GROUP EXHIBIT A

FRONT STREET UNDERGROUND UTILITY UPGRADES

GENERAL INSTRUCTIONS REGARDING THE SOLICITATION OF CONTRACTED SERVICES

Solicitations are open to all business firms actively engaged in providing the materials, equipment, and services specified and inferred. Active engagement will be verified via references.

1) Section 102 of the Standard Specifications pertaining to advertisement, bidding, award, and contract execution shall not apply. Instead, the City of Wheaton's General Instructions Regarding the Solicitation of Contracted Services shall apply to the advertisement, bidding, award and contract execution for this Underground Utilities Upgrades contract.

2) SOLICITATION PROCESS

a) Documents:

i) The City of Wheaton's website, www.wheaton.il.us/bids/ is the official source for all documents related to this solicitation. The City is not responsible for documents distributed by any other source.

ii) It is the responsibility of the Bidder to seek clarification of any requirement that may not be clear. This includes a review of all solicitation documents.

iii) All questions concerning this solicitation shall be submitted via e-mail to the attention of the Procurement Officer by the last date for questions as reflected on the cover page of this document. A written response in the form of a public addendum will be published on the City's website, www.wheaton.il.us/bids/.

iv) Any interpretation, correction or change of the solicitation documents will be made by published Addendum. Interpretations, corrections, and changes to the solicitation documents made in any other manner will not be binding. All addenda will be published on the City's website at http://www.wheaton.il.us/bids/. It is up to the Bidder to check this site for the most current addendum.

v) Bidders shall acknowledge the receipt of any addendum.

b) The Cone of Silence:

i) The Cone of Silence is designed to protect the integrity of the procurement process by shielding it from undue influences.

ii) During the period beginning with the issuance of the solicitation document through the execution of the award document, bidders are prohibited from all communications regarding this solicitation with City staff, City consultants, City legal counsel, City agents, or elected officials.

iii) Any attempt by a bidder to influence a member or members of the aforementioned may be grounds to disqualify the bidder from participation in this solicitation.

c) Exceptions to the Cone of Silence:

i) Written communications directed to the Procurement Officer

ii) All communications occurring at pre-bid meetings

iii) Oral presentations during finalist interviews, negotiation proceedings, or site visits

iv) Oral presentations before publicly noticed committee meetings

v) Contractors already on contract with the City to perform services for the City are allowed discussions necessary for the completion of an existing contract.

vi) Procurement of goods or services for Emergency situations

3) INVESTIGATION

a) It shall be the responsibility of the Bidder to make any and all investigations necessary to become thoroughly informed of what is required and specified in the solicitation.

i) If the site of the work is an area restricted from the general public, a pre-bid meeting will be provided for all potential bidders to perform this inspection.

ii) If the site of the work is an area open to the general public, the potential bidder may perform their inspection at a time of their choosing.

b) Bidder shall inspect in detail the site of the proposed work and familiarize himself with all the local conditions affecting the work and the detailed requirements of delivery, installation, or construction.
c) No plea of ignorance by the bidder of conditions that exist or that may hereafter exist, because of failure or omission on the part of the bidder to make the necessary examinations and investigations, will be accepted as a basis for varying the requirements of the City or the compensation to the bidder.

4) OFFERS
a) Exceptions to specifications, requirements, terms and conditions must be clearly identified.
b) Offers including goods or equipment must include: Manufacturer's warranties and/or guarantees
c) Offers including service during the warranty/guarantee period must include, in writing, any restrictions, and/or associated costs.
d) QUOTES are to be submitted via fax or e-mail. Verbal offers will not be accepted.
e) FORMAL OFFERS must be on the forms provided and compiled in the order stated. Do not use binders, folders, tabs, or papers larger than 8.5 x 11.
f) Delivery of an offer is acceptance of the City's requirements. Offers containing terms and conditions contrary to those specified, or taking exception to any of the Special Terms and Conditions, General Terms and Conditions, Specifications, or Addenda as stated by the City may be considered non-responsive.
g) The City shall not accept an offer which is based upon any other offer, contract, or reference to any other document or numbers not included in the solicitation documents.

5) ORDER OF PRECEDENCE
a) Wherever requirements are in conflict, the order of precedence shall be as follows: City Agreement, City Specifications, City Special Terms, and Conditions; City General Terms and Conditions.
b) City requirements take precedence over Bidder's offer.

6) SIGNATURES AS OFFER
a) The signing of the submittal by the bidder constitutes an offer. If accepted by the City, the offer becomes part of the Agreement.
b) Offers by:
   i) Individuals or sole proprietorships shall be signed by a person with the authority to enter into legal binding contracts. Said individual shall use his usual signature.
   ii) Partnerships shall be signed with partnership name by one of the members of the partnership, or an authorized representative, followed by the signature and title of the person signing.
   iii) corporations shall be signed with the name of the corporation, followed by the signature and title of the person authorized to bind it in the matter.

7) WITHDRAWAL OF OFFERS
a) Offers may be withdrawn at any time prior to the scheduled opening or due date. Requests to withdraw an offer shall be in writing, properly signed, and received by the Procurement Officer prior to the due date.
b) Offers may not be withdrawn after the due date without the approval of the Procurement Officer.
c) Negligence in preparing an offer confers no right of withdrawal after opening / due date.

8) TIMEFRAME AND CONSEQUENCES
a) Offers must be received before the designated time.
b) Offers received after the designated time will be returned to the sender without review. Offers received late that may be attributed to delays by overnight delivery services, or by delivery services trying to deliver when offices are closed, will be considered late and returned to the sender.
c) Unless otherwise specified in the solicitation, offers shall be binding for ninety (90) calendar days following due date.

9) PUBLIC OPENINGS
a) Formal offers by sealed envelope will be publicly opened at the time and location stated. The Procurement Officer shall read the name of the bidder, offered price, and note if deviations are stated. after the opening an

apparent low bid will be announced. Award will be based on analysis of costs, deviations, city budget, and approval by City Council.

b) Results of Openings will be published on the City's website www.wheaton.il.us/bids/ within three business days.

c) Bidders are encouraged to attend all openings and to offer constructive suggestions for improvements to the solicitation process, to increase competition, and ways in which the City may achieve greater savings and increased transparency.

d) Despite the reading of offers at a public opening, if the offers are thence rejected and thus subject to rebid, the read results will not be published and will be exempt from FOIA requests.

10) REQUIREMENTS

a) Brand Names or Equal:

i) Specifications are prepared to describe the goods and services which the City deems to be in its best interests to meet its performance requirements. These specifications shall be considered the minimum standards expected of the contractor.

ii) If an offer does not indicate deviations or alternatives to the specifications, the City shall assume the offer is fully compliant with all specifications.

iii) Specifications are not intended to exclude potential contractors. Any reference in the City's specifications to a brand name, manufacturer, trade name, catalog number or the like is descriptive, not restrictive, indicating materials that are satisfactory.

iv) Consideration of other makes and models will be considered, provided the bidder submits a request for pre-approval by the Last Date for Questions stated on the cover page. Bidder should state exactly what he proposes and attach a cut sheet, illustration or other descriptive matter which will clearly indicate the character of the item. A written response in the form of a public addendum will be published on the City's website, www.wheaton.il.us/bids/.

b) Quantities:

i) All quantities represent an estimate of the quantity of the work to be done and/or materials to be ordered. It is given as a basis for comparison of offers and to determine the awarding of the contract.

ii) The City does not expressly or by implication agree that the actual quantities involved will correspond to the published estimate. The bidder accepts that the quantities stated are estimates only and will not hold the City bound to said number.

iii) The City reserves the right to modify the estimates, or remove them in their entirety, whichever is in the best interests of the City.

11) BID BONDS

a) The City requires a Bid Bond / Bid Deposit of 10% of the full Agreement price.

b) If a Bid Deposit (preferred), it shall be submitted with the formal offer and be in the form of a certified check or a bank cashier's check made payable to the City of Wheaton. Checks will be retained by the City until an award is fully executed, at which time the checks will be promptly returned to the unsuccessful Bidders.

i) The Bid Deposit check of the successful Bidder will be retained until the Agreement has been executed and all required documents, including a Performance Bond, are received.

ii) The Bid Deposit check of the successful Bidder shall be forfeited to the City if the Bidder withdraws its offer, or neglects, refuses or is unable to enter into an Agreement.

c) If Bidder chooses to use a Bid Bond, the Bid Bond must be in compliance with all bond requirements mandated by the State of Illinois.

12) DEVIATIONS TO REQUUIREMENTS AND ALTERNATE OFFERS

a) If the Bidder is unable to meet most of the specifications, but believes their product/work will meet the needs of the city, the Bidder should submit an Alternate Bid and include material specification sheets, performance data, or other documentation justifying consideration.

b) If a Bidder plans to submit multiple offers, each offer must be packaged separately and identified on the outer envelope and on the cover page of the offer in a way that can be differentiated from the other offer(s).

c) The Procurement Officer reserves the right to make the final determination of compliance or whether any deviation or alternate is of an equivalent or better quality and which offer can best meet the needs of the City. Such determination shall be incorporated within Purchasing's recommendation to the City Council.

13) ENVIRONMENTAL REQUIREMENTS

a) The City is committed to becoming a sustainable city that conserves its use of resources to optimize efficiency and minimize waste. The City is committed to providing services in an equitable manner for present and future generations.
b) Recycled Content Products: It is in the City's interest to purchase products with the highest recycled material content feasible. The City requests that Bidders suggest recycled content products as alternatives.
c) Recycled Packing Material: The City desires that all shipping containers/packing material for equipment, materials and supplies delivered to the City contain no less than the specified minimum EPA percentage requirements of post-consumer recycled content. Containers and packing material should show the recycled product logo and recycled content percentage information.
d) To help "Turn Wheaton Green", the bidder's sustainability policy, as well as green initiatives for this solicitation, will be considered in the evaluation of the offer.

14) PRICE

a) The price offered shall remain firm throughout the duration of the Agreement.
b) Failure to record all requested breakdown of prices may result in disqualification. Unit price shall be shown for each unit specified. In case of mistake in extended price, unit price shall govern.
c) Price shall represent the entire cost of all requirements stated within the solicitation and Agreement. No subsequent claim will be recognized for any surcharges, add on costs, increase in material prices, cost indexes, wage scales, fuel surcharges, freight costs, packaging or any other rates affecting the industry or this project.

15) FOR PROJECTS BID AS TIME AND MATERIAL

a) Time, inclusive of but not limited to salaries, benefits, overtime, set-up, break-down, includes all costs associated with labor for this service.
b) Material, inclusive of but not limited to goods, components, equipment, includes all costs associated with all items necessary to complete this service.
    i) Complete illustrative and technical data, drawings, and/or printed literature for the materials or equipment quoted should be included with the offer.
c) Overhead and Profit shall include all costs not covered under material or labor, such as fixed costs and taxes.

16) DISCOUNTS

a) Discounts of less than thirty (30) days will not be considered in the evaluation.
b) Discounts for thirty (30) days or more may be considered in in the evaluation.
c) Where the net offer is equal to an offer with a discount deducted, the award shall be made to the net offer.
d) Discounts will be figured from the date of receipt of a proper invoice or the approval of the quality of the product received or service completed – whichever is later.

17) TAXES

a) Unit prices shall not include any local, state or federal taxes.
b) The City is exempt by law from paying sales tax on goods, equipment, and products permanently incorporated to the project, from State and City Retailer's Occupation Tax, State Service Occupation Tax, State Use Tax, and Federal Excise Tax.
c) The City's Sales Tax Exemption Number is E9997-4312-07.
d) The Contractor shall pay sales, consumer, use and other similar taxes.

18) EVALUATION OF OFFERS

a) Receipt of One (or too few) offers: If the City receives one or too few bids, as defined by the City, from a publicly broadcasted solicitation, the City may reschedule the opening to a later date. The offers received will either be:
    i) returned unopened to the Bidder for re-submittal at the new due date and time, or

ii) if there are no changes in requirements, and pending agreement with the Bidder, held until the new due date and time

b) If the City does not receive any bids, from a publicly broadcasted solicitation, the City may negotiate with any interested parties.

19) DETERMINING RESPONSIVENESS OF THE OFFER

a) Responsive bids are inclusive of, but not restricted to: received prior to the due date and time, completed as stated in the solicitation documents, inclusive of all required documents, compliant to all product requirements and specifications, able to meet delivery requirements, accepting of all Agreement terms and conditions.

20) WAIVERS AND REJECTIONS OF OFFERS

a) The City reserves the right to waive any informality, technical requirement, deficiency, or irregularity in the offer. The City may conduct discussion with Bidders to further clarify the offer as may be necessary. Correction of the offer shall be effected by submission within 4 hours (e-mail or fax) of a corrected page with changes documented and signed.

b) The City reserves the right to reject any or all offers for any reason including but not limited to: budgetary constraints, unclear solicitation documents, change in needs, suspicion of collusion, pricing aberrations, front end loading; mathematically unbalanced proposals in which prices for some items are substantially out of proportion to comparable prices, materially unbalanced proposals in which material requirements for some items are substantially higher to comparable proposals; poor quality or poor performance in past City Agreements, and other reasons deemed important to the City.

c) The City reserves the right to accept or reject any offer in which the Bidder names a total price for all the work without breaking down requested material costs, labor costs, and/or overhead and profit.

d) Multiple offers from an individual, firm, partnership, corporation, or association under the same or different names are subject to rejection unless specifically permitted in the solicitation. Reasonable grounds for believing that a bidder is interested in more than one offer may result in rejection of all offers in which the bidder is interested. Any or all offers will be rejected if there is any reason for believing that collusion exists.

e) Nothing in this section will preclude a firm acting as a subcontractor to be included as a subcontractor for two or more prime contractors submitting a proposal for work. However, a subcontractor may not submit a proposal as a prime contractor, and a prime contractor may not submit a proposal as a subcontractor.

f) FOIA: If the City rejects all offers and concurrently provides notice of its intent to reissue the solicitation, the rejected offers remain exempt from FOIA requirements until the City awards or rejects the reissued solicitation.

21) DETERMINING RESPONSIBLENESS OF THE BIDDER

a) The City reserves the right to determine the competence, the financial stability, and the operational capacity, of any Bidder.

b) Upon request by the City, Bidders shall furnish evidence for the City to evaluate their resources and ability to provide the goods and services required. Such evidence may include; but not be limited to: tour of facilities, staffing levels, listing of equipment and vehicles, listing of personnel's qualifications, certificates, licenses; listing of committed but not yet completed orders; financial statements.

c) Bidder may be required to submit samples of items within a specified timeframe and at no expense to the City. If not destroyed in testing, samples will be returned at the Supplier's request and expense. Samples which are not requested for return within thirty (30) days will become the property of the City.

d) Bidders may be required to affect a demonstration of the item or service being proposed. Such demonstration must be at a site convenient and agreeable to the affected City personnel and at no cost to the City.

e) Bidders may be required to provide references. The City reserves the right to contact said references or other references that may be familiar with the Bidder. The City reserves the right to eliminate a bidder who has not demonstrated the required years of service within the required specialty.

f) Bidders may be required to provide their internal policy on sustainability.

g) The City reserves the right to determine if such information might hinder, influence the quality of the work specified, or prevent the prompt completion of additional work such as future maintenance and service.

22) CONFIDENTIAL INFORMATION

a) Bidders may be required to provide evidence of financial viability. This may be a Dunn and Bradstreet Report, a financial statement prepared by a licensed Certified Public Accountant showing the Bidder's financial condition at the end of the past fiscal year, an annual report.
b) Bidders may be required to provide other information which they consider proprietary and confidential, and if made known to the public, may affect their ability to compete in the marketplace. Said information will be subject to Illinois State FOIA requirements including the following exemptions:
    i) (5 ILCS 140/7) (From Ch. 116, par. 207) Sec. 7.
    ii) Exemptions. (1) The following shall be exempt from inspection and copying: (g) Trade secrets and commercial or financial information obtained from a person or business where the trade secrets or commercial or financial information are furnished under a claim that they are proprietary, privileged or confidential, and that disclosure of the trade secrets or commercial or financial information would cause competitive harm to the person or business and only insofar as the claim directly applies to the records requested.
c) Bidders considering requests to be proprietary and confidential should submit an additional redacted offer. Failure to do so may result in information becoming available to the public.

23) SELECTION PROCESS

a) The City endeavors to select the offer meeting the best interests of the City as stated by its City Council based on the totality of lawful considerations.
b) The City's determination of best overall value may include consideration of the City's internal cost structure for meeting requirements, such as the city's inventory carrying costs, ordering lead times, equipment maintenance costs, standardization, available project management resources, and items typically identified with and relating to a "Life Cycle Cost Analysis".
c) The City will consider the following non-exclusive list in determining award: soft costs of Agreement management; total cost of ownership factors such as transition costs, training costs, additional requirements such as spare parts and special tooling.
d) The City will contact references to verify bidder's ability and skill to perform the work required based on: past work of similar nature, quality of work, proactive nature of work crew, adherence to the project's production schedule and proposed price constraints, and references' experience if the contractor has character, integrity, and a reputation for good judgment.
e) If the city's evaluation yields a concern with the potentially recommended bidder's ability, the City reserves the right to require a Performance Bond at no additional cost to the city.
f) Should identical low, responsive and responsible bids be received from two or more Bidders, the City shall exercise one of the following tie breaking methods:
    i) Tie Bid (two suppliers): The Procurement Officer, with a witness present, may flip a coin with heads representing the Offeror whose name appears first in alphabetical order. If the toss is heads, said Offeror will receive the recommendation to award.
    ii) Tie Bid (three or more suppliers): The Procurement Officer, with a witness and each vendor present, shall shuffle a new deck of playing cards and have each Offeror cut the cards. The Offeror who cuts the highest card (with Ace high) shall be recommended for award.

24) AWARD

a) Except as otherwise stated, bidders will be awarded within ninety (90) days from the opening date.
b) Award is based on the lowest responsive responsible offer; offering the lowest life-cycle cost; providing the best overall value to the City; and deemed most advantageous to the City, price and other factors considered.
c) When there is a Base Bid and Alternates, the low bidder shall be the lowest responsible and responsive bid submitted for the Base Bid and Alternate A. If all Bids and Alternate A exceed the project budget, the city reserves the right to award to the bidder presenting the best alternatives for the city.
d) When there is a Base Bid and Options, the low bidder shall be the lowest responsible and responsive bid submitted for the best combinations for the city.
e) The City reserves the right to award by item, part or portion of an item, group of items, in the aggregate, or to reject any and all offers in whole or in part according to the best interests of the City.

i) Bidder may restrict their offer to consideration in the aggregate by so stating on the proposal form, but must name a unit price on each item.

f) The successful Bidder may be required to enter into an Agreement with the City of Wheaton covering all matters set forth in the solicitation document, and addenda.

25) REQUIREMENTS IF AWARDED THE WORK

a) Registration: The successful supplier, prior to the execution of the order, or no later than 10 days after receipt of the award document, must be registered to do business in the City of Wheaton and the State of Illinois.

b) Insurance: The successful Bidder, if awarded by Agreement, will be required to carry insurance acceptable to the City. *(reference Contract Addendum 1)*.

i) Certificates of Insurance, Endorsements, and a Waiver of Subrogation must be submitted with the execution of the contract.

ii) The Bidders obligation to purchase stated insurance cannot be waived by the city's action or inaction.

c) Bonds: The successful bidder, if awarded by Agreement, may be required to provide a bond/bonds. Said bonds must be through a bonding company listed on the Department of the Treasury's Listing of Certified Companies http://www.fiscal.treasury.gov/fsreports/ref/suretyBnd/c570.htm

i) Surety must be in compliance with any bond requirements mandated by the State of Illinois.

d) Security Clearance: Background checks inclusive of finger printing MAY be required for contractors servicing secured areas. Contractors will submit a list of employees' names to the Project Manager who will coordinate the background checks with the police department. Said list should include staff to cover absences or reassignment.

i) Anyone with a background history showing a conviction for a felony; theft history of any kind, sex offense history, or any crime involving moral turpitude, illegal drug or narcotics use, sale or possession, or anyone showing a felony charge pending, or who has any outstanding warrants of any type, including misdemeanor traffic or felony warrants, may be subject to arrest, and will not be allowed to work under this Agreement.

ii) The contractor shall be responsible for all personnel engaged in the work. Contractor must ensure that: said personnel have been completely and satisfactorily cleared by the City of Wheaton for work within secure areas; a sufficient amount of backup or relief personnel to cover absenteeism or replacement have been completely and satisfactorily cleared or work; equipment and personnel do not enter facilities except as required during the progress of the work.

iii) The City reserves the right to request removal of any contractor's employee upon submitting proper justification should such action be considered necessary to the best interests of the City. Contractor is permitted to add/replace personnel with approved backup personnel, or reassign personnel already cleared by the City for work within secure areas. The City must be provided written notice prior to time of replacement.

26) AUDIT

a) The successful Bidder may be audited by the City or an agent of the City. Audits may be at the request of federal or state regulatory agencies, other governmental agencies, courts of law, consultants hired by the City or other parties which in the City's opinion requires information. Data, information, and documentation will include, but not be limited to, original estimate files, change order estimate files, detailed worksheets, subcontractor proposals, supplier quotes and rebates, and all project related correspondence, and subcontractor and supplier change order files.

27) PROTESTS

a) Any Bidder who claims to be aggrieved in connection with a solicitation, the selection process, a pending award, or other reasonable issue may initiate a protest.

i) Protests involving the solicitation process or stated requirements must be presented in writing via e-mail to the Procurement Officer no later than the last date for questions as reflected on the cover page of this document.

ii) Protests involving the evaluation of offers, staff recommendations, or the award process must be submitted in writing to the Procurement Officer no later than three business days after bid results are publicly posted.

b) Protests must include: the name and address of the protestor; appropriate identification of the solicitation; if an award has been initiated, the award document number (if available), identification of the procedure that is alleged to have been violated; precise statement(s) of the relevant facts; identification of the issue to be resolved; protestor's argument and supporting documentation (Exhibits, evidence, or documents to substantiate any claims).

c) A person filing a notice of protest will be required, at the time the notice of protest is filed, to post a bond in the form of a cashier's check in an amount equal to twenty-five percent of the City's estimate of the total volume of the award, or $1,000, whichever is less.
   i) If the decision of the Protest does not uphold the action taken by the City, then the City shall return the amount, without deduction, to the Bidder filing the protest.
   ii) If the decision of the Protest upholds the action taken by the City, then the City shall retain the amount of the cashier's check in payment for a portion of the cost and expense for time spent by City staff in responding to the protest and in conducting the evaluation of the protest.

d) Upon receipt of the notice of protest, the Procurement Officer shall stop the award process.
   i) The Procurement Officer will rule on the protest in writing within two business days from receipt of protest.
   ii) Appeals of the Procurement Officer's decision must be made in writing within two business days after receipt thereof and submitted to the City Manager for final resolution. Appellant shall have the opportunity to be heard and an opportunity to present evidence in support of the appeal.
   iii) The City Manager's decision is final.

28) OTHER ENTITY USE

a) Although this solicitation is specific to the City of Wheaton, Offerors have the option of allowing this offer, if awarded by the City to the Offeror, to be available to other local entities and agencies within the DuPage-Kane-Cook-Will and Kendall Counties. If the successful Offeror and the interested entity/agency mutually agree on the Terms and Conditions, inclusive of pricing, both parties may perform business under the authority of this solicitation and Agreement.

b) It is understood that at no time will any city or municipality or other agency be obligated for placing an order for any other city, municipality, or agency; nor will any city or municipality or agency be obligated for any bills incurred by any other city or municipality or agency. Further, it is understood that each agency will issue its own purchase order to the awarded Supplier.

END OF GENERAL INSTRUCTIONS REGARDING THE SOLICITATION OF CONTRACTED SERVICES

FRONT STREET UNDERGROUND UTILITY UPGRADES

GENERAL TERMS AND CONDITIONS FOR CONTRACTORS

1) Where these General Terms and Conditions for Contractors are inconsistent with any provision of the Standard Specifications for Road and Bridge Construction or the Supplemental Specifications and Recurring Special Provisions, these General Terms and Conditions shall control.

2) TIME FRAME
   a) Bid posted on July 28, 2017.
   b) Last Date for Questions: Friday, August 4, 2017 at 12:00 pm local time
   c) Bid Responses Due: Friday, August 11, 2017, prior to 11:00 am local time
   d) Project Completion Date: November 17, 2017.

3) AGREEMENT ADMINISTRATION
   a) A "Work May Proceed" order will be issued by Procurement upon confirmation of a properly executed Agreement.
   b) Once the "Work May Proceed" order is issued, the contractor's primary contact with the city will become the Project Manager.
   c) The Project Manager's primary responsibility is to assure the city receives the contracted services in accordance to the terms and conditions and specifications of the Agreement. The Project Manager will, but is not limited to: oversee the entire project from kick-off activities through close out and payment of final invoice; monitor equipment, materials, and project progress; address any quality issues and change orders; verify schedule of Values, output, schedule status; conduct random inspections.
   d) The contractor will provide the name and contact information of a Key Representative to the Project Manager who can be contacted during time of emergency or at any hour city staff sees fit to do so.
   a. If security clearance is required for this work, it will be pursued at this time.

4) COMMUNICATIONS PLAN
   a) The Contractor shall attend a pre-construction meeting with the City project engineer prior to commencement of any work.
   b) The successful bidder must submit the following for approval at, or before, the pre-construction meeting:
      i) Project schedule, including anticipated completion date
      ii) List of all essential project personnel with job title and experience listed
   c) The Contractor shall designate an individual who must be present, at all times, on the site and who will serve as the Contractor's authorized representative throughout the completion of the Work and who shall be readily available to respond to communications. This individual must be a competent, English-speaking individual who is capable of reading and understanding the Agreement Documents. This representative shall be subject to receive instructions and have full authority to execute the directions, without delay, and promptly supply any necessary labor, equipment, material, or incidentals to do so. If any person employed shall refuse or neglect to obey the directions of the Project Manager, in anything relating to the Work, or shall appear to be incompetent, disorderly, or unfaithful, he/she shall, upon request of the City, be at once discharged and shall not be employed again on any part of the Work.
   d) The Contractor shall provide the name and phone number of the Contractor's representative who, in the case of an off-hours emergency can be readily accessible and be available for quick response to the site. If that person does not respond within the period of time requested all reasonable costs, including the payment of overtime wages or charges, shall be deducted from payments due the Contractor. Contractor shall immediately notify the Project Manager in writing of any change in the identity and telephone number of the Contractor's representative.
   e) The contractor is required to provide the City's project manager with written/e-mailed bulletins addressing the status of the project throughout the life of the Agreement.

f) The bulletins shall cover all work performed and completed and shall confirm the schedule of the work yet to be performed. It shall also state any assumptions and/or exclusions.
g) The bulletin shall identify problems encountered, or still outstanding, with an explanation of the cause and resolution of the problem or how the problem will be resolved.
h) The contractor will be responsible for conducting status meetings with the project manager as scheduled. The meetings can be in person or over the phone, at the discretion of the city.

5) WORK HOURS
a) Monday – Friday work hours shall start no earlier than 7:00 a.m. (excluding City holidays) and continue until dusk or with the approval of the Project Manager.
b) The contractor shall notify the Project Manager at least 48 hours prior to initial start of operations, and prior to any temporary cessation and resumption of operations.

6) DOCUMENTS
a) Contractor is to maintain at the job site a complete and current set of drawings, plans and Agreement documents; bulletins, supplemental instructions, proposals, change orders, subcontractor's proposals, supplier's invoices, all written requests, and responses to each required change.
b) All documents must accurately reflect the current status of all pertinent data including changes in the line item quantities and contract sum attributed to change orders.
c) All documents are to be available to the Project Manager.
d) All documents are to be available for auditing purposes, Freedom of Information Act compliance requirements and other reasons necessitated by the city.

7) MANUFACTURER'S REQUIREMENTS
a) All work must be performed according to manufacturer's stated recommendations.
b) If manufacturer's stated recommendations conflict with specifications, issues should be addressed in writing to the Project Manager prior to proceeding with any work.
c) If manufacturer's stated recommendations include required services not listed within the specifications, said services must be considered as inherent to the city's specifications and offers should include said services.
d) All work is to be performed consistent to industrial performance standards.

8) SAFETY AND HEALTH
a) All Occupational Safety and Health Administration (OSHA) standards apply.
b) Store volatile wastes in covered metal containers and remove from premises daily.
c) Provide adequate ventilation during use of volatile or noxious substances.
d) Contractor shall be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the performance of the Work required under the Agreement.
e) Contractor shall take reasonable precautions for safety of, and shall provide reasonable protection to prevent damage, injury or loss to (i) employees on the project and other person who may be affected thereby; (ii) the Work and materials and equipment to be incorporated therein, whether in storage on or off the site, under care, custody or control of Contractor or subcontractors; and (iii) other property at the Project Site or adjacent thereto, such as trees, shrubs, lawns, walks, pavements, roadways, structures, and utilities not designated for removal, relocation or replacement in the course of construction.
f) Contractor shall erect and maintain, as required by existing conditions and performance of the Work, reasonable safeguards for safety and protection, including posting danger signs and other warnings against hazards, promulgating safety regulations and notifying owners and users of adjacent sites and utilities.

9) PAYMENT
a) A schedule of dates when Applications for Payments must be submitted will be determined at the Preconstruction meeting. Confirm with Paul that there will be a meeting and schedule will be determined – if not find out from him how the payments will be schedule or determined and list it here.

b) City shall pay Contractor or cause the Contractor to be paid an amount equal to the estimated value of the Work the Contractor performed less a retained amount in accordance with the following:
   i) The City shall retain ten percent (10%) from each payment due the Contractor to ensure the Contractor's satisfactory performance.
   ii) After the Contractor completes fifty percent (50%) of the Work to the City's satisfaction, the City may reduce any retained amount during the remaining progress of the Work provided Contractor continues to make satisfactory progress and there is no specific cause for greater withholding.
   iii) The City may use the retained amounts to remedy any defective or uncorrected Work. At the time of the final payment, the City may apply any retained amounts to offset any approved adjustment or authorized deduction to the Contract Price.

c) All Applications for Payment must reflect the following applicable information: Agreement Number, name of the Project, name of the Contractor, and the services/deliverables with the price depicted in the same format as the offer.

d) The following must be submitted with each Application for Payment: Lien waivers from Contractor, sub-contractors and suppliers; and Certified Payrolls. The failure to provide such forms shall delay payment to Contractor.
   i) The first Application for Payment shall be accompanied by the General Contractor's partial waiver of lien, called Waiver of Lien to Date, for the full amount of payment due.
   ii) Each subsequent Application for Payment shall be accompanied by the General Contractor's Waiver of Lien to Date, plus the partial waivers of lien of Labor, Subcontractors and Material Suppliers who were included in the immediately preceding Application for Payment to the extent of that payment.
   iii) The final Application for Payment must be accompanied by the Final Waiver of Lien for the full amount of the Contract from the General Contractor, Labor, Subcontractors, and Material Suppliers, including those who have not previously furnished such final waivers.

e) Approved Applications for Payment shall be paid in accordance with this Agreement and the Illinois Local Government Prompt Payment Act.

f) The City reserves the right to make payments to Contractor pursuant to this Agreement through its Purchasing Card Program, MasterCard.

g) Any Applications for Payment submitted in excess of six (6) months from the date that the progress Work for which payment application is being made was completed, will not be paid.

h) Under no circumstances will a third party be reimbursed for Work performed under this Agreement.

10) CONTRACTOR SERVICE ISSUES

a) Recourse for non-compliant construction services shall be managed, in any order, via (a) Punch List, (b) Retainage and/or (c) Performance Bonds.

11) PROJECT CLOSE OUT

a) Verification of quality and completion of service
b) Completion of Punch List and all areas of non-compliance or incomplete tasks
c) Review Liquidated Damages
d) Review Retainage
e) Final Payment: Prior to authorization of Final Payment, the following documents must be submitted:
   i) Completed Waivers and Liens
   ii) All Certified Payrolls
   iii) Documented completion of the Punch List
   iv) Statements of Warranty
   v) Written approval of the City's Project Manager

END OF GENERAL TERMS AND CONDITIONS FOR CONTRACTORS

City of Wheaton

Front Street Underground Utility Upgrades Contract

Special Provision Document

Advertising Submittal

July 21, 2017

Primera Engineers, Ltd.

City of Wheaton – Front Street Underground Utility Upgrades

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*** indicates parts of proposal to be returned with bid**

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*** indicates parts of proposal to be returned with bid**

RETURN WITH BID

NOTICE TO BIDDERS

County DuPage
Local Public Agency City of Wheaton
Section Number
Route Front Street

Sealed proposals for the improvement described below will be received at the office of The Procurement Officer,
303 W. Wesley Street, Wheaton, Illinois 60187 (Address) until 11:00 AM (Time) on August 11, 2017 (Date)

Sealed proposals will be opened and read publicly at the office of The Procurement Officer
303 W. Wesley Street, Wheaton, Illinois 60187 (Address) at 11:00 AM (Time) on August 11, 2017 (Date)

DESCRIPTION OF WORK

Name Front Street Underground Utility Upgrades Length: 1815.00 feet (0.34 miles)
Location Front Street from West Street to Cross Street
Proposed Improvement (See Special Provisions - Sheet 2)

1. Plans and proposal forms will be available in the office of Online at:
   http://www.wheaton.il.us/departments/purchasing/ Contact: Linda Styczen at LStyczen@wheaton.il.us (Address)
2. ☒ Prequalification
   If checked, the 2 low bidders must file within 24 hours after the letting an "Affidavit of Availability" (Form BC 57), in duplicate, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work. One original shall be filed with the Awarding Authority and one original with the IDOT District Office.
3. The Awarding Authority reserves the right to waive technicalities and to reject any or all proposals as provided in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals.
4. The following BLR Forms shall be returned by the bidder to the Awarding Authority:
   a. BLR 12200: Local Public Agency Formal Contract Proposal
   b. BLR 12200a Schedule of Prices
   c. BLR 12230: Proposal Bid Bond (if applicable)
   d. BLR 12326: Affidavit of Illinois Business Office
   e. BC 57: Affidavit of Availability
5. The quantities appearing in the bid schedule are approximate and are prepared for the comparison of bids. Payment to the Contractor will be made only for the actual quantities of work performed and accepted or materials furnished according to the contract. The scheduled quantities of work to be done and materials to be furnished may be increased, decreased or omitted as hereinafter provided.
6. Submission of a bid shall be conclusive assurance and warranty the bidder has examined the plans and understands all requirements for the performance of work. The bidder will be responsible for all errors in the proposal resulting from failure or neglect to conduct an in depth examination. The Awarding Authority will, in no case be responsible for any costs, expenses, losses or changes in anticipated profits resulting from such failure or neglect of the bidder.
7. The bidder shall take no advantage of any error or omission in the proposal and advertised contract.
8. If a special envelope is supplied by the Awarding Authority, each proposal should be submitted in that envelope furnished by the Awarding Agency and the blank spaces on the envelope shall be filled in correctly to clearly indicate its contents. When an envelope other than the special one furnished by the Awarding Authority is used, it shall be marked to clearly indicate its contents. When sent by mail, the sealed proposal shall be addressed to the Awarding Authority at the address and in care of the official in whose office the bids are to be received. All proposals shall be filed prior to the time and at the place specified in the Notice to Bidders. Proposals received after the time specified will be returned to the bidder unopened.
9. Permission will be given to a bidder to withdraw a proposal if the bidder makes the request in writing or in person before the time for opening proposals.

RETURN WITH BID

PROPOSAL

County DuPage
Local Public Agency City of Wheaton
Section Number
Route Front Street

1. Proposal of

for the improvement of the above section by the construction of Sanitary sewer and watermain complete with service extensions along Front Street.

a total distance of 1,815 feet, of which a distance of 1,815 feet, (0.34 miles) are to be improved.

2. The plans for the proposed work are those prepared by Primera Engineers, Ltd. and approved by the Department of Transportation on
3. The specifications referred to herein are those prepared by the Department of Transportation and designated as "Standard Specifications for Road and Bridge Construction" and the "Supplemental Specifications and Recurring Special Provisions" thereto, adopted and in effect on the date of invitation for bids.
4. The undersigned agrees to accept, as part of the contract, the applicable Special Provisions indicated on the "Check Sheet for Recurring Special Provisions" contained in this proposal.
5. The undersigned agrees to complete the work within working days or by 11/17/2017 unless additional time is granted in accordance with the specifications.
6. A proposal guaranty in the proper amount, as specified in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals, will be required. Bid Bonds will be allowed as a proposal guaranty. Accompanying this proposal is either a bid bond if allowed, on Department form BLR 12230 or a proposal guaranty check, complying with the specifications, made payable to:

City of Wheaton Treasurer of

The amount of the check is ( ).

7. In the event that one proposal guaranty check is intended to cover two or more proposals, the amount must be equal to the sum of the proposal guaranties, which would be required for each individual proposal. If the proposal guaranty check is placed in another proposal, it will be found in the proposal for: Section Number .
8. The successful bidder at the time of execution of the contract will be required to deposit a performance bond for one hundred ten percent (110%) of the full amount of the award. When a performance bond is not required, the proposal guaranty check will be held in lieu thereof. If this proposal is accepted and the undersigned fails to execute a contract and performance bond as required, it is hereby agreed that the Bid Bond or check shall be forfeited to the Awarding Authority.
9. Each pay item should have a unit price and a total price. If no total price is shown or if there is a discrepancy between the product of the unit price multiplied by the quantity, the unit price shall govern. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price.
10. A bid will be declared unacceptable if neither a unit price nor a total price is shown.
11. The undersigned submits herewith the schedule of prices on BLR 12200a covering the work to be performed under this contract.
12. The undersigned further agrees that if awarded the contract for the sections contained in the combinations on BLR 12200a, the work shall be in accordance with the requirements of each individual proposal for the multiple bid specified in the Schedule for Multiple Bids below.

Illinois Department of Transportation

SCHEDULE OF PRICES

County DuPage
Local Public Agency City of Wheaton
Section N/A
Route Front Street

Schedule for Multiple Bids

Combination Letter	Sections Included in Combinations	Total

Schedule for Single Bid

(For complete information covering these items, see plans and specifications)

Bidder's Proposal for making Entire Improvements

Item No.	Items	Unit	Quantity	Unit Price	Total
1	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	16		
2	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	18		
3	EARTH EXCAVATION	CU YD	4		
4	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	50		
5	POROUS GRANULAR EMBANKMENT	TON	50		
6	TRENCH BACKFILL	CU YD	3657		
7	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	100		
8	INLET FILTERS	EACH	19		
9	SUBBASE GRANULAR MATERIAL, TYPE B 5"	SQ YD	301		
10	SUBBASE GRANULAR MATERIAL, TYPE B 12"	SQ YD	1605		
11	AGGREGATE FOR TEMPORARY ACCESS	TON	500		
12	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	640		
13	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	5125		
14	DETECTABLE WARNINGS	SQ FT	60		
15	PAVEMENT REMOVAL	SQ YD	1885		
16	COMBINATION CURB AND GUTTER REMOVAL	FOOT	581		
17	SIDEWALK REMOVAL	SQ FT	5125		
18	STORM SEWER REMOVAL 10"	FOOT	80		
19	STORM SEWER REMOVAL 12"	FOOT	120		
20	DUCTILE IRON WATER MAIN TEE, 10" X 4"	EACH	1		
21	DUCTILE IRON WATER MAIN TEE, 10" X 6"	EACH	28		
22	DUCTILE IRON WATER MAIN TEE, 10" X 10"	EACH	4		
23	DUCTILE IRON WATER MAIN TEE, 12" X 6"	EACH	1		
24	DUCTILE IRON WATER MAIN TEE, 12" X 12"	EACH	1		
25	DUCTILE IRON WATER MAIN REDUCER, 6" X 4"	EACH	3		
26	DUCTILE IRON WATER MAIN REDUCER, 8" X 6"	EACH	1		
27	DUCTILE IRON WATER MAIN REDUCER, 10" X 8"	EACH	2		
28	DUCTILE IRON WATER MAIN REDUCER, 12" X 10"	EACH	1		
29	DUCTILE IRON WATER MAIN 4"	FOOT	11		
30	DUCTILE IRON WATER MAIN 6"	FOOT	593		
31	DUCTILE IRON WATER MAIN 8"	FOOT	39		
32	DUCTILE IRON WATER MAIN 10"	FOOT	1331		
33	DUCTILE IRON WATER MAIN 12"	FOOT	3		
34	WATER VALVES 4"	EACH	1		

RETURN WITH BID

Item No.	Items	Unit	Quantity	Unit Price	Total
35	WATER VALVES 6"	EACH	25		
36	WATER VALVES 8"	EACH	2		
37	WATER VALVES 10"	EACH	6		
38	TAPPING VALVES AND SLEEVES 10"	EACH	1		
39	DUCTILE IRON WATER MAIN FITTINGS 6" 11.25 DEGREE BEND	EACH	1		
40	DUCTILE IRON WATER MAIN FITTINGS 10" 11.25 DEGREE BEND	EACH	2		
41	DUCTILE IRON WATER MAIN FITTINGS 4" 45.00 DEGREE BEND	EACH	8		
42	DUCTILE IRON WATER MAIN FITTINGS 10" 45.00 DEGREE BEND	EACH	2		
43	DUCTILE IRON WATER MAIN FITTINGS 10" 90.00 DEGREE BEND	EACH	1		
44	WATER SERVICE LINE 1"	FOOT	104		
45	WATER SERVICE LINE 1 1/2"	FOOT	18		
46	WATER SERVICE LINE 2"	FOOT	76		
47	WATER SERVICE LINE 4"	FOOT	64		
48	WATER SERVICE LINE 6"	FOOT	91		
49	ADJUSTING WATER SERVICE LINES	FOOT	26		
50	FIRE HYDRANTS TO BE REMOVED	EACH	5		
51	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	3		
52	MANHOLES, TYPE A, 4'-DIAMETER	EACH	3		
53	REMOVING MANHOLES	EACH	3		
54	FILLING VALVE BOXES	EACH	3		
55	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	581		
56	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	6		
57	CONCRETE THRUST BLOCKS	EACH	87		
58	NON-SPECIAL WASTE DISPOSAL	CU YD	50		
59	SPECIAL WASTE DISPOSAL	CU YD	50		
60	MOBILIZATION	LSUM	1		
61	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	32		
63	PAINT PAVEMENT MARKING - LINE 6"	FOOT	360		
64	PAINT PAVEMENT MARKING - LINE 24"	FOOT	60		
65	REMOVE EXISTING WATER VALVE	EACH	5		
66	STREET SWEEPING	HOUR	30		
67	SANITARY SEWER SERVICE, 6" PVC, COMPLETE	EACH	30		
68	SANITARY SEWER, PVC (D3034) SDR 26, 12"	FOOT	890		
69	REMOVE CURB STOP BOX	EACH	25		
70	ABANDON EXISTING UTILITY	LSUM	1		
71	SANITARY SEWER REMOVAL 12"	FOOT	890		
72	EXPLORATION TRENCH, SPECIAL	FOOT	150		
73	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1		
74	DUST CONTROL WATERING	UNIT	60		
75	POLYETHYLENE ENCASEMENT	FOOT	2064		
76	PRESSURE CONNECTION 10" X 10"	EACH	1		
77	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 10"	FOOT	80		
78	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	120		
79	FIELD LOK GASKETS FOR DUCTILE IRON WATER MAIN, 4"	EACH	10		
80	FIELD LOK GASKETS FOR DUCTILE IRON WATER MAIN, 6"	EACH	39		

RETURN WITH BID

Item No.	Items	Unit	Quantity	Unit Price	Total
81	FIELD LOK GASKETS FOR DUCTILE IRON WATER MAIN, 8"	EACH	4		
82	FIELD LOK GASKETS FOR DUCTILE IRON WATER MAIN, 10"	EACH	89		
83	FIELD LOK GASKETS FOR DUCTILE IRON WATER MAIN, 12"	EACH	2		
84	CUT AND INSTALL END CAPS	EACH	13		
85	WATER SERVICE COMPLETE	EACH	26		
86	CUT IN CONNECTIONS	EACH	8		
87	CCDD MATERIAL MANAGEMENT ALLOWANCE	LSUM	1		
88	CCDD/LUST TESTING, MANAGEMENT AND COMPLIANCE	LSUM	1		
89					
90					
91					
92					
93					
94					
95					
96					
97					
98					
99					
100					
101					
	BIDDERS PROPOSAL FOR THE ENTIRE IMPROVEMENT (TOTAL BID)			**$**	

ALL OF THE ABOVE ITEMS, COMPLETE, INPLACE FOR THE TOTAL AMOUNT OF:

DOLLAR $ CENTS

Illinois Department of Transportation

Local Agency Proposal Bid Bond

Route Front Street
County DuPage
Local Agency City of Wheaton
Section _____

RETURN WITH BID

PAPER BID BOND

WE _____ as PRINCIPAL,

and _____ as SURETY,

are held jointly, severally and firmly bound unto the above Local Agency (hereafter referred to as "LA") in the penal sum of 10% of the total bid price, or for the amount specified in the proposal documents in effect on the date of invitation for bids whichever is the lesser sum. We bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly pay to the LA this sum under the conditions of this instrument.

WHEREAS THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that, the said PRINCIPAL is submitting a written proposal to the LA acting through its awarding authority for the construction of the work designated as the above section.

THEREFORE if the proposal is accepted and a contract awarded to the PRINCIPAL by the LA for the above designated section and the PRINCIPAL shall within fifteen (15) days after award enter into a formal contract, furnish surety guaranteeing the faithful performance of the work, and furnish evidence of the required insurance coverage, all as provided in the "Standard Specifications for Road and Bridge Construction" and applicable Supplemental Specifications, then this obligation shall become void; otherwise it shall remain in full force and effect.

IN THE EVENT the LA determines the PRINCIPAL has failed to enter into a formal contract in compliance with any requirements set forth in the preceding paragraph, then the LA acting through its awarding authority shall immediately be entitled to recover the full penal sum set out above, together with all court costs, all attorney fees, and any other expense of recovery.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their

respective officers this _____ day of _____

Principal

_____ _____
(Company Name) (Company Name)

By: _____ By: _____
(Signature and Title) (Signature and Title)

(If PRINCIPLE is a joint venture of two or more contractors, the company names, and authorized signatures of each contractor must be affixed.)

Surety

_____ By: _____
(Name of Surety) (Signature of Attorney-in-Fact)

STATE OF ILLINOIS,

COUNTY OF _____

I, _____, a Notary Public in and for said county,

do hereby certify that _____
(Insert names of individuals signing on behalf of PRINCIPAL & SURETY)

who are each personally known to me to be the same persons whose names are subscribed to the foregoing instrument on behalf of PRINCIPAL and SURETY, appeared before me this day in person and acknowledged respectively, that they signed and delivered said instruments as their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this _____ day of _____

My commission expires _____ _____
(Notary Public)

ELECTRONIC BID BOND

☐ **Electronic bid bond is allowed (box must be checked by LA if electronic bid bond is allowed)**

The Principal may submit an electronic bid bond, in lieu of completing the above section of the Proposal Bid Bond Form. By providing an electronic bid bond ID code and signing below, the Principal is ensuring the identified electronic bid bond has been executed and the Principal and Surety are firmly bound unto the LA under the conditions of the bid bond as shown above. (If PRINCIPAL is a joint venture of two or more contractors, an electronic bid bond ID code, company/Bidder name title and date must be affixed for each contractor in the venture.)

Electronic Bid Bond ID Code

_____
(Company/Bidder Name)

_____ _____
(Signature and Title) Date

RETURN WITH BID

Illinois Department of Transportation

Affidavit of Illinois Business Office

County DuPage
Local Public Agency City of Wheaton
Section Number
Route Front Street

State of Illinois)
) ss.
County of DuPage)

I, _____ of _____ , _____ ,
(Name of Affiant) (City of Affiant) (State of Affiant

being first duly sworn upon oath, states as follows:

1. That I am the _____ of _____ .
officer or position bidder
2. That I have personal knowledge of the facts herein stated.
3. That, if selected under this proposal, _____ , will maintain a
(bidder)
business office in the State of Illinois which will be located in _____ County, Illinois.
4. That this business office will serve as the primary place of employment for any persons employed in the construction contemplated by this proposal.
5. That this Affidavit is given as a requirement of state law as provided in Section 30-22(8) of the Illinois Procurement Code.

_____
(Signature)

_____
(Print Name of Affiant)

This instrument was acknowledged before me on day of _____ , _____ .

(SEAL)

_____
(Signature of Notary Public)

SUBCONTRACTOR LIST

1. In accordance with the bidding requirements for the work entitled:

CITY OF WHEATON
Front Street Front Street Underground Utility Upgrades Project

for portions of the work the bidder proposes to use the following subcontractors. Except as otherwise approved by owner, bidder proposes to perform all other portions of the work with his own forces;

2. Portion of the work — Subcontractor name and address

_____ _____

_____

_____

_____ _____

_____

_____

_____ _____

_____

_____

_____ _____

_____

_____

_____ _____

_____

_____

Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability
For the Letting of _____

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show **NONE.**

	1	2	3	4	Awards Pending	
Contract Number						
Contract With						
Estimated Completion Date						
Total Contract Price						Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor						
Uncompleted Dollar Value if Firm is the Subcontractor						
				Total Value of All Work		

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

						Accumulated Totals
Earthwork						
Portland Cement Concrete Paving						
HMA Plant Mix						
HMA Paving						
Clean & Seal Cracks/Joints						
Aggregate Bases & Surfaces						
Highway, R.R. and Waterway Structures						
Drainage						
Electrical						
Cover and Seal Coats						
Concrete Construction						
Landscaping						
Fencing						
Guardrail						
Painting						
Signing						
Cold Milling, Planning & Rotomilling						
Demolition						
Pavement Markings (Paint)						
Other Construction (List)						
						$ 0.00
Totals						

Disclosure of this information is **REQUIRED** to accomplish the statutory purpose as outlined in the "Illinois Procurement Code." Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others.

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4	Awards Pending
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted					

I, being duly sworn, do hereby declare that this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates.

Subscribed and sworn to before me

this _____ day of _____ , _____ Type or Print Name _____

Officer or Director Title

_____ Signed _____

Notary Public

My commission expires _____

Company _____

(Notary Seal)

Address _____

_____

SPECIAL PROVISION
FOR
Low Impact Design - Green Infrastructure Training

All general and sub-contractors who manage or carry out routine maintenance or replacement of public surfaces are required to provide annual training to their employees in current green infrastructure or low impact design practices.

All training shall be in accordance with the current regulations governed by the National Pollution Discharge Elimination System (NPDES) ILR-40 General Permit Section 5, Article D, Paragraph ii.

Contractors shall provide confirmation of training below.

I, _____ (Company Owner or Management Representative) hereby acknowledge that all employees working on this project who will manage or carry out maintenance or replacement of public surfaces have completed the required annual low impact design/green technology training for this permit cycle year (April 1, ____ – March 31, ____).

Signature: _____ Title: _____

Date: _____ Company: _____

CUSTOMIZED MAILING LABEL FOR SEALED BID

XXXXXXX CUT OUT XXXXXXX

Cut along outer border and affix this label to your sealed bid envelope to identify it as a "Sealed Bid".

SEALED BID – DO NOT OPEN

PROPOSAL FOR:

PROPOSAL FROM: ***(Insert your company name below)***

Sealed Proposals due:

TO BE OPENED BY PROCUREMENT OFFICER

MAIL TO:

Procurement Office
City Hall /
City of Wheaton
P.O. BOX 0727
303 West Wesley Street
Wheaton, IL 60187-0727

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets

SPECIAL PROVISION
FOR
INSURANCE

Effective: February 1, 2007
Revised: August 1, 2007

All references to Sections or Articles in this specification shall be construed to mean specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation.

The Contractor shall name the following entities as additional insured under the Contractor's general liability insurance policy in accordance with Article 107.27:

City of Wheaton ("City")

Primera Engineers, Ltd.

Design Workshop

Gandhi and Associates

The entities listed above and their officers, employees, and agents shall be indemnified and held harmless in accordance with Article 107.26.

The following Special Provisions supplement the "Standard Specifications for Road and Bridge Construction", Adopted April 1, 2016 , the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways", and the "Manual of Test Procedures of Materials" in effect on the date of invitation of bids, and the Supplemental Specifications and Recurring Special Provisions indicated on the Check Sheet included here in which apply to and govern the construction of Front St- Underground Utility Upgrades , and in case of conflict with any part, or parts, of said Specifications, the said Special Provisions shall take precedence and shall govern.

See Attached for the Following Special Provisions and Materials Information:

Description of Improvements

Project Specific Special Provisions

Index for Supplemental Specifications and Recurring Special Provisions

Check Sheet for Recurring Special Provisions

Check Sheet for Local Roads Special Provisions

Illinois DOT District One Special Provisions

Check Sheet for BDE Special Provisions

BDE Special Provisions

City of Wheaton Water Distribution Specifications/Fittings

Product Information and Specification List

- Valve Box Adaptor II
- Infi-Shield Uni-Band
- Canusa Wrap – Pipe Wrap
- Infra-RISER Rubber Adjustment Riser
- Catch-All Inlet Protector
- Detectable Warning Systems

Storm Water Pollution Prevention Plan

Soil Laboratory Testing (pH Deterimination)

Trench Backfill Chart

CITY OF WHEATON

SPECIAL PROVISIONS

The following Special Provisions supplement the "Standard Specifications for Road and Bridge Construction," adopted April 1, 2016, the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways," and the "Manual of Test Procedures for Materials" in effect on the date of invitation for bids, and the Supplemental Specifications and Recurring Special Provisions indicated on the Check Sheet included herein which apply to and govern the construction of Front Street Underground Utility Upgrades in the City of Wheaton, DuPage County and in case of conflict with any part or parts of Standard Specifications, the said Special Provisions shall take precedence and shall govern.

Front Street Underground Utility Upgrades in the City of Wheaton
DuPage County

LOCATION OF IMPROVEMENT

This project is the Front Street Underground Utility Upgrades in the City of Wheaton. The total length of improvement along Front Street is approximately 1,815 feet (0.34 miles). The project is located with the City of Wheaton in DuPage County.

DESCRIPTION OF IMPROVEMENT

The proposed improvement consists of the replacement of approximately 890 linear feet of sanitary sewer with watermain quality pipe, the replacement of approximately 1,997 linear feet of water main, the replacement of sanitary and water services, removal and replacement of storm sewer (watermain quality), removal and replacement of sidewalks and curbs and gutters along with ADA ramps, installation of fire hydrants with auxiliary valves and valve boxes, and installation of sanitary manholes along Front Street in the City of Wheaton.

COORDINATION WITH THE CITY AND BUSINESSES

This contract is in a very sensitive area in the City of Wheaton that has residential housing and businesses of all types and times. Each business has a different time of operation and advance coordination with each affected business will be required. The Contractor shall supply the City with a proposed construction schedule at the beginning of the project with estimated days of water and/or sewer shutdowns. The City shall determine how this information will be shared with others. No scheduled disconnection of utilities shall occur without express authorization from the City. It is the responsibility of the Contractor to notify each business seventy-two (72) hours prior to any water and/or sanitary sewer shutdown.
.

Add the following paragraph to the beginning of Article 105.06 of the SSRBC; “The Contractor shall identify all work items (including the critical items listed above) at the beginning of the contract and coordinate the sequence and timing of their execution and completion with the City and businesses through the City and/or Engineer. All of these work items shall be identified as

separate line items in the Contractor's proposed Construction Progress Schedule. Additional compensation or the extension of contract time will not be allowed for the progress of work items affected by the lack of such coordination by the Contractor"

REASONABLE DELAY CLAUSE

The Contractor shall be responsible for reinstating water services to all businesses. Any delays due to idle time during reinstatement of water services due to unforeseen conflicts in the service reinstatement schedule shall not receive additional compensation.

STATUS OF UTILITIES TO BE ADJUSTED
Effective: January 30, 1987
Revised: January 24, 2013

Utilities companies involved in this project have provided the following estimated durations:

NAME OF UTILITY	**TYPE**	**LOCATION**	**Estimated Duration of Time for the Completion of Relocation or Adjustments**
ComEd Eric Jostes 708-518-6209	Electricity	None	Watch and Protect
Nicor Gas Bruce Koppang 630-388-3046	Gas	None	Watch and Protect
AT&T Janet Ahern (630) 573-6414	Telecom	None	Watch and Protect
Comcast Martha Gieras (630) 600-6352	Cable	None	Watch and Protect
Union Pacific Railroad Adam C. Engelkamp (402) 544-8571	Gas	None	Watch and Protect (will not show up on a JULIE/811 layout)

The above represents the best information available to the City of Wheaton, J.U.L.I.E. design engineer and is included for the convenience of the bidder. The applicable portions of Articles 105.07 and 107.31 of the Standard Specifications shall apply.

In accordance with 605 ILCS 5/9-113 of the Illinois Compiled Statutes, utility companies have 90 days to complete the relocation of their facilities after receipt of written notice from the Department. The 90-day written notice will be sent to the utility companies after the following occurs:

1) Proposed right of way is clear for contract award.
2) Final plans have been sent to and received by the utility company.

3) Utility permit is received by the City and the City is ready to issue said permit.
4) If a permit has not been submitted, a 15 day letter is sent to the utility company notifying them they have 15 days to provide their permit application. After allowing 15 days for submission of the permit the 90 day notice is sent to the utility company.
5) Any time within the 90 day relocation period the utility company may request a waiver for additional time to complete their relocation. The Department has 10 days to review and respond to a waiver request.

WATER AND SEWER MAIN CONSTRUCTION

Water and Sewer Main Construction shall conform to "The Standard Specifications for Water and Sewer Main Construction in Illinois", adopted July, 2014, Edition #7 or most current version (Hereinafter referred to as Standard Specification for Water and Sewer Main Construction) and in case of conflict with any part or parts of Standard Specifications, the said Special Provisions shall take precedence and shall govern.

PREQUALIFICATION OF BIDDERS

Add the following to Section 102 of the Standard Specifications:

"Each prospective bidder, in evidence of competence, shall furnish the Awarding Authority as a prerequisite to the release of proposal forms by the Awarding Authority, a certified or photo static copy of a "Certificate of Eligibility" issued by the Illinois Department of Transportation, according to the IDOT "Prequalification Manual".

PRECONSTRUCTION MEETING

A preconstruction conference shall be held between the Contractor, the Engineer and various other representatives before construction starts, to discuss scheduling, contracts, handling of materials, payments, and any other information relative to the work.

The Contractor shall provide a schedule to the Engineer seven business days prior to the preconstruction conference for review and approval by the Engineer at the time of the meeting.

MAINTENANCE OF ROADWAYS

Beginning on the date that work begins on this project, the Contractor shall assume responsibility for normal maintenance of all existing roadways within the limits of the improvement. This normal maintenance shall include all repair work deemed necessary by the Engineer, but shall not include snow removal operations. Traffic control and protection for maintenance of roadways will be provided by the Contractor as required by the Engineer.

Stock piling of debris or materials on site or overnight within the City right-of-way is prohibited.

COMPLETION DATE

The Contractor shall complete all work on or before the completion date of this contract which will be **November 17, 2017**. This shall include all punch list work.

Failure to complete the work on November 17, 2017 will result in delay and will incur liquidated damages as stated in the Special Provision for "Failure to Complete the Work on Time".

FAILURE TO COMPLETE THE WORK ON TIME

The completion date of the contract has been specified. All work including all punch list items shall be completed by November 17, 2017.

The time of completion for the performance of this contract is of the essence of this contract and since quantifying losses arising from Contractor's delay are inherently difficult insofar as delay may impact traffic, the provision of City services to the public, as well as contract administration costs, the City will require Contractor to compensate the City in the amount of **$3,000.00** per calendar day beyond the November 17, 2017 completion date specified, in accordance with the liquidated damage accrual and monetary deduction provisions contained in Article 108.09 of the Standard Specifications. This is not meant to be a penalty, but rather as a reasonable measure of damages given the nature of the losses that may result from delay. Any extensions agreed to by executed change orders or alterations in work will be considered in the application of liquidated damages. To the extent that this provision conflicts with Article 108.09 of the Standard Specifications for Road and Bridge Construction pertaining to the failure to complete the work on time, this provision shall control.

PROGRESS SCHEDULE

Add the following after the second paragraph of Article 108.02 of the Standard Specifications:

Work on Front Street shall proceed in a continuous manner. Each block shall be considered by the Contractor as a contract within itself. Each phase of work such as excavation, underground utilities, patching, concrete curb and gutter, concrete flatwork, paving, landscaping, restoration, etc., shall begin within three (3) days of the completion of the previous controlling phase. Should the Contractor fail to begin working on a controlling phase within three (3) days of completion of the previous phase on each block, or within such extended time as may have been allowed, the Contractor shall be liable to the City in the amount of $3,000.00 per calendar day for each day beyond the third day after completion of the previous controlling work phase. Such compensation is not meant to be a penalty but is a measure of liquidated damages which is provided for due to the difficulty in quantifying losses arising from the Contractor's delay which may impact traffic, the provision of City services to the public, as well as contract administration costs. To the extent that this provision conflicts with Article 108.09 of the Standard Specifications for Road and Bridge Construction pertaining to the failure to complete the work on time, this provision shall control. .

. The Contractor shall be held responsible for complying with this schedule unless it submits a revised written work-day schedule to the Engineer for each street and/or subdivision under this contract and the Engineer approves the revised written schedule.

The Contractor shall provide a construction schedule broken down per block of improvements by the time of the preconstruction conference. This shall include water service shut downs for each business/resident on Front Street.

ONE YEAR GUARANTEE

Any defective material, or workmanship, or any unfaithful or imperfect work, which may be discovered before the final acceptance of the work and/or within one (1) year thereafter, shall be corrected immediately on the requirements of the Engineer, without extra charge, notwithstanding that it may have been overlooked in the previous inspections and estimates. Failure to review construction shall not relieve the Contractor from any obligation to perform sound and reliable work as herein described.

To insure compliance with this provision, the Contractor shall provide the City with a Maintenance Bond for 10 percent of the final contract amount. This Maintenance Bond shall cover a period of one (1) year from the date of final acceptance, which shall be defined as the date of the final payment estimate, and shall guarantee the warranty requirements required hereunder. Failure to provide the required Maintenance Bond shall constitute a breach of Contractor's obligations under this Agreement. Each surety providing a bond must be licensed in Illinois and have an A.M. Best Company Inc. financial strength rating of at least A-. All bonds signed by an agent must be accompanied by a certified copy of his or her authority to act. A copy of all bond certificates shall be attached to this Agreement and made a part hereof.

The Contractor warrants to the Owner and Engineer that all materials and equipment furnished under the Contract will be new and, in the case of equipment, in good working order, that all materials, equipment and labor, (hereinafter "Work"), furnished under the Contract will be free from defects of any kind and shall be in strict conformance with the contract requirements. This warranty shall not be restricted by the limitations of any manufacturer's warranty. Work not conforming to these requirements, including substitutions not properly approved and authorized, may be considered defective. Liability or refusal of a Subcontractor or equipment supplier responsible for the defective work or materials, to correct or replace same, shall not excuse the Contractor from performing under this warranty.

SAWCUTTING EXISTING PAVEMENT, DRIVEWAYS, SIDEWALK, OR CURB AND GUTTER

At locations where it is necessary to saw cut asphalt surfaces, concrete pavement, concrete or asphalt driveway pavement, concrete sidewalk, or concrete curb and gutter, where it will abut the proposed new construction, a uniformly straight cut shall be obtained by the use of a diamond concrete saw. The use of pneumatic tools to make these cuts is prohibited.

This work shall be considered as included in the contract unit prices for the various pay items of the proposed construction involved and no additional compensation will be allowed.

CONCRETE BREAKERS

When removing pavement, curb and gutter, shoulder, and/or any other structures, the use of any type of concrete breakers which might damage the underground public or private utilities is prohibited. Under no circumstances will the use of a frost ball be permitted.

STREET SWEEPING

Street sweeping shall be completed in accordance with Section 107.15 of the Standard Specifications except modified herein.

The Contractor shall also be responsible for cleaning the pavement of all dirt and debris from any vehicular traffic in addition to his own equipment. The Contractor shall be responsible to reduce the amount of dust on roadways within or adjacent to the limits of construction caused by dirt and debris tracked by traffic from within the limits of construction.

If, at the end of the day's operation, the pavement has not been cleaned to the satisfaction of the Engineer, street sweeping will be required. The Contractor will be given a 24-hour notice by the Engineer to sweep the pavement, which was not in the opinion of the Engineer, satisfactorily cleaned. If, after the 24-hour notice has expired, the Contractor has failed to sweep the pavement, the City will sweep the pavement and deduct the cost of such work from moneys due the Contractor.

The cost of all work mentioned above shall be incidental to the unit prices bid and not paid to the Contractor.

If, in the opinion of the Engineer, street sweeping is required beyond the limits of the Contractors responsibility, the sweeping will be paid for as STREET SWEEPING at the unit price bid per hour.

SURVEY LAYOUT & STAKING

Construction Layout and Staking shall be the responsibility of the Contractor. It will be the Contractor's responsibility to protect and maintain the survey control points throughout the duration of the project. If the Contractor requires resetting of or clarification of survey control points he may do so by making a request to the Engineer. The request shall must be no less than 48 hours from the time the Contractor needs the noted control point. All costs associated for the Engineer to have a surveyor come to the site and re-stake survey control points shall be deducted from the contract. A minimum of 0.5 day of labor will be deducted for any resurveying of survey control points.

At the close of the job the Contractor shall will be required to tum in all red line markups detailing installed inverts, utility locations, and drain tile encounters. The markups shall will be incorporated into the as-built drawings. The as-built survey shall be performed by a surveyor under the direction of the Engineer. The Contractor shall provide one (1) laborer to assist the surveyor in opening manholes and obtaining as-built information. The Contractor shall be required to have the site readily accessible for the as-built survey which includes but is not limited to; access to all affected structures and inverts on the project, and limited to no blockage of visual site lines for survey equipment. If the surveyor needs to return due to any disruptions caused by the Contractor the additional costs will be deducted from the contract. All costs associated for the proper execution of construction layout and staking contained herein shall be included in the cost for MOBILIZATION.

CCDD MATERIALS MANAGEMENT ALLOWANCE

Description. This work shall cover unforeseen costs borne unto the Contractor for CCDD materials that have been rejected from the fill site and require additional waste investigation and/or remediation. Due to limited space at the project the rejected material shall be transported to the Contractor's or other approved facility so the load can be examined by the third party engineer. The rejected material shall be placed on and covered in Visqueen while a determination is made by the third party engineer.

It is hereby understood that the City of Wheaton shall reserve judgment on payment out of this allowance. The Contractor is forewarned that all efforts to obtain approval shall be made first with the third party engineer and the CCDD fill site. Payments from this allowance shall only be recommended if determined by the Engineer that reasonable efforts were made to obtain approvals for the material and due to unforeseen circumstances the materials were rejected.

The allowance specified for this work shall be $ 40,000 will only be paid in part in accordance with work provided and as specified herein.

Measurement and Payment. This work will be measured for payment in accordance with Article 109.04.b of the Standard Specifications. All submittals will be reviewed by the Engineer and the City. Upon approval from the City payments shall be made from the CCDD MATERIALS MANAGEMENT ALLOWANCE. Such payments shall include the costs for all materials, labor and equipment to load, unload, protect, and haul rejected CCDD material to the appropriate offsite disposal location.

CCDD/LUST TESTING, MANAGEMENT, & COMPLIANCE

All costs that involve the classification, inspection, testing, and compliance of all excavated material that is to be hauled and disposed from the site are to be included in the lump sum unit price for CCDD / LUST TESTING, MANAGEMENT & COMPLIANCE.

The purpose of this item is to ensure that soils leaving the site are properly tested, identified, separated, documented, and hauled to their respective IEPA approved handling facility. The Contractor shall acquire the services of a third party environmental engineer that specializes in the identification and remediation of contaminated soils.

The third party engineer shall provide a Statement of Qualifications indicating their previous experience in identifying and remediating contaminated soils in the State of Illinois. The Statement shall be presented to the Engineer no more than ten (10) days after the low bidder receives their Notice of Award.

Prior to Construction the third party engineer shall perform the following preliminary soil inspections to verify and classify excavated materials:

LUST Locations:

1. Perform a minimum of one (1) soil boring adjacent to the LUST location at the point where the deepest proposed excavation is to occur.
2. Soil samples shall be collected and tested every 2 ft. for BTEX, PNA, and SPLP metals up to the depth of proposed excavation

Remaining Locations:

1. Perform a minimum of five (5) soil borings at even intervals throughout the project at the point where the deepest proposed excavation is to occur.
2. Soil samples shall be collected and tested every 2 ft. for BTEX, PNA, and SPLP metals up to the depth of proposed excavation

The third party engineer shall then submit to the Engineer an Identification & Operations Plan that shall list the following:

1. Identification and classification procedures of excavated materials from the site
2. Establish probable limits and quantities for the following materials:
   - Special Waste as identified in Section 669 of the State Standards
   - Clean Construction Demolition Debris as identified per Public Act 96-1416
   - Non-special Waste as identified in Section 669 of the State Standards
3. Provide a list of approved disposal sites AND include Contractor haul costs on a per load basis

The Engineer shall be responsible to review and approve the Identification and Operations Plan (hereinafter “Plan”). Contractor shall not commence any excavation activity until the Plan has been approved.

During construction the Contractor's third party engineer shall be responsible to inspect, identify, and certify the materials leaving the site. The third party engineer shall provide to the Engineer copies of all testing results, trucking manifests, and other required documentation regarding the identification & disposal of excavated material.

CCDD Handling:

The following provisions shall apply to all materials classified by the third party engineer as CCDD.

GENERAL

SECTION INCLUDES

Regulatory requirements.
Definition.
Use as fill.
Exceptions.
Contractor's responsibilities.

REGULATORY REQUIREMENTS

The Illinois Environmental Protection Agency (IEPA) Bureau of Land regulates fill pits to protect groundwater and ensure that they remain uncontaminated when filled with soil and construction debris. This action is mandated under Public Act 96-1416. This specification was developed to guide the Contractor in complying with the requirements of IEPA. The Contractor shall adhere to legal and regulatory requirements whether or not they are listed in this specification.

DEFINITION

Clean construction or demolition debris (CCDD) is uncontaminated broken concrete without protruding metal bars, bricks, rock, stone, or reclaimed asphalt pavement generated from construction or demolition activities. When uncontaminated soil is mixed with any of these materials, the uncontaminated soil is also considered CCDD. Uncontaminated soil that is not mixed with other CCDD materials is not CCDD. For the purposes of CCDD classification, industrial/commercial property includes any real property that does not meet the definition of

residential property, conservation property, or agricultural property and includes public roadway right-of-ways.

USE AS FILL

Filling quarries, mines, and other excavations with CCDD requires a permit from the Illinois EPA's Bureau of Land. Per the IEPA "Other excavations" do not include holes, trenches, or similar earth removal created as part of normal construction, removal, or maintenance of a structure, utility, or transportation infrastructure. A list of existing CCDD fill locations is attached to this specification section. This list may not be current at the time bids are due or that CCDD is to be removed from the Site.

EXCEPTIONS

In lieu of following the requirements specified herein for the use of CCDD as fill, the Contractor may elect to dispose of construction debris as a waste. If the Contractor chooses to dispose of construction debris as a waste, they shall abide by all applicable State and local regulations governing waste disposal.

CONTRACTOR'S RESPONSIBILITIES

All fees associated with using CCDD as fill, including fees imposed by the Illinois EPA, shall be paid by the Contractor and shall be included in the Contract Price. It is the Contractors responsibility to check that the attached list is current prior to removing CCDD from the Site. CCDD used as fill shall be at a location approved by the Illinois EPA.

The third party engineer shall submit form #LPC-663 (attached herein) to the IEPA. Neither the Owner nor the Engineer will sign the required certification forms. The third-party engineer shall reference the numerical standards listed in 35 III. Adm. Code 742, Tiered Approach to Corrective Action Objectives (TACO) for making the determination whether the CCDD meets the requirements of uncontaminated soil.

Measurement and Payment. This work will be measured for payment in accordance with Article 109.04.b of the Standard Specifications. All submittals will be reviewed by the Engineer and the City. Upon approval from the City payments shall be made from the lump sum CCDD / LUST TESTING, MANAGEMENT & COMPLIANCE. The price shall be considered payment in full for all materials, labor and equipment to perform this work including trench backfill and pavement patching if necessary.

Permitted CCDD Fill Applications

Name	Site Number	Site Address	City	Zip	Phone	Contact Last Name	Contact First Name
City of Princeton CCDD Facility	0118193005	1600N Rd., R.R.6	Princeton	61356	815-875-2631	Wright	Steve
Brookville Quarry CCDD	0158200001	US Rt 52/IL Rt 64	Brookville	61064	815-626-5192	Arnold	Robert
Fitzmar Landfill Inc	0310450011	28th St and East End Ave	Chicago Height	60411		Orr	Kathleen
Lambrecht Property-CCDD	0311055032	Glenwood Dyer Rd & Frontage Rd	Glenwood	60425	815-726-7722	Klingberg	Daniel
Reliable Lyons CCDD	0311715020	4226 S Lawndale Ave	Lyons	60534		Haworth	William
Hanson Material Service Yd 585	0311745012	9101 W 47th St	McCook	60525	708-485-8211	Hall	Bret
Vulcan Construction Materials LP McCook Quarry	0311745029	5500 E Joliet Rd	McCook	60525	708-485-6602	Van Kovering	Kelly
Richton Park-CCDD	0311800001	22100 Central Rd	Richton Park	60471	708-449-1250	Butler	James
Gifford East-CCDD	0314125046	1395 Gifford Rd	Elgin	60120		Haworth	William
Little, Willis-CCDD	0418055004	CR 2100 E	Murdock	61941	217-832-9511	Little	Myron
Prairie Material Sales Yd 92	0890255034	1151 Penney Rd	East Dundee	60118	847-844-8257	Plummer	David
Prairie Material Sales Yd 91	0890305044	1 South 396 Lorang Rd	Elburn	60119	630-557-2396	Plummer	David
Central Blacktop Co Inc	0890805023	Bowes Road	South Elgin	60177		Vondra	Michael
Fox River Stone Co	0890805051	1300 South Route 31	South Elgin	60177	847-742-6060	Wallace	Sarah
Raymond Street-CCDD	0890805066	1400 Route 25	South Elgin	60177	630-497-8700	Haworth	William
Middle St CCDD	0894125006	1155 W Middle St	South Elgin	60177	630-497-8700	Haworth	William
47 Acres/Southwind Business Park	0894125007	2250 Southwind Blvd	Bartlett	60103	630-497-8700	Haworth	William
Beverly Materials CCDD	0894250020	32W007 Route 72	East Dundee	60118	847-695-9300	Zumbrunn	David
Palumbo Management CCDD	0898065017	32W638 E Main St/E of Higgins Rd	East Dundee	60118	312-455-1181	Palumbo	Joseph
Blue Heron Business Park-Bartlett	0898075002	23108 W Bartlett Rd	Bartlett	60103		Haworth	William
Lakeview Estates CCDD	0898105004	NE Harter Rd @ Lorang Rd	Kaneville	60144		Koty	John
EF Heil LLC Site 2	0918000002	2405 Waldron Road	Kankakee	60901	815-436-3500	Grande	Patrick
Prairie Material Sales Yd 95	0918065001	8215-C N Route 45/52	Manteno	60950	815-468-8700	Plummer	David
Midwest Aggregates	0970055126	28435 W Rte 173	Antioch	60002	847-395-2595	Mertes	Jim

Name	Site Number	Site Address	City	Zip	Phone	Contact Last Name	Contact First Name
Cannon Pit	0990305107	I-80 & Rte178	LaSalle	61301	815-664-2341	Hoxsey	Bruce
Sheridan Sand & Gravel-Wiensland	0991105008	105 S Wiensland	Sheridan	60551	815-496-2826	Vardijan	Branko
Hedrick Property CCDD Site	0994905104	800 W Second St	Streator	61364	815-257-0649	Koty	John
Sheridan Sand & Gravel-N 4201 Rd	0998215024	2679 N 4201 Rd	Sheridan	60551	815-496-2421	Vardijan	Branko
Twoomey Pit CCDD	1078120003	2000th Ave & 2050th St	Lawndale	61751		Reichle	Joe
Petersen Sand & Gravel CCDD	1110600018	914 W Rte 120	Lakemoor	60050	847-395-3313	Thelen	Steve
Prairie Material Sales Yd 90	1110655054	8293 S Route 23	Marengo	60152	815-568-5554	Plummer	David
Thelen Sand & Gravel	1114200001	28955 E IL Rt 173	Antioch	60002	847-395-3313	Steve	Thelen
Reliable Sand and Gravel Co Inc	1118115015	2121 S River Road	McHenry	60051	815-385-5020	Roberts	Don
Rowe Construction Co-Downs	1138120003	700 North & 2000 East	Downs	61736	309-830-5060	Luker	Phil
Downs CCDD Facility	1138123002	West of Co Rd 200 E; South of Co Rd 750N	Downs	61736		Bottens	Joseph Shane
McAdam & Associates CCDD	1610656079	340 34th Ave	Rock Island	61201	309-786-6027	McAdam	David
Buckhart Sand & Gravel Co Inc	1670755002	10499 Buckhart Rd	Rochester	62563	217-525-1752	Ealey	Charles
Farmdale Pit	1798065010	22493 Farmdale Rd	East Peoria	61611	309-699-0961	Moore	Steve
Anna Quarries Inc	1810050003	1000 Quarry Road	Anna	62906	618-833-5121	Pyatt	William
Galt Road CCDD Facility	1958095004	13237 Galt Road	Sterling	61081	815-626-5192	Arnold	Robert
Quality Ready Mix Concrete Co	1958105001	13134 Galt Rd	Sterling	61081	815-772-7181	Holesinger	Randy
Chicago Street CCDD, LLC	1970455178	1127 S Chicago St	Joliet	60436	815-723-3000	Sandeno	Kenneth
E F Heil LLC Site 1	1970805144	12152 S Npville/Plainfield Rd	Plainfield	60585	815-436-7465	Heil	Edward
Hanson Material Service Yd 588	1970900001	Route 53	Romeoville	60446	815-838-6200	Hall	Bret
Orange Crush LLC-Romeoville	1970905104	1001 Independence Ave	Romeoville	60446	708-544-9440	Ehlert	Clifford
Land & Lakes Clean Fill Site	1970905141	1371 N Joliet Rd	Romeoville	60446	847-825-5000	Cowhey Jr	James
Richards St CCDD	1974450034	800 S Richards St	Joliet	60432	815-726-6284	Hess Jr	Phil
Elmhurst Chicago Stone Co-Barbers Corners	1978030002	351 Royce Road	Bolingbrook	60490	630-832-4000	Peter	Stamatopoulos
DeBe Land Dev Inc Quarry	1978095150	1450 South Brandon Road	Joliet	60436-85	708-460-1725	Koty	John
FJV Development	1978175017	3210 Mound Rd	Joliet	60436	773-847-1900	Koty	John

Name	Site Number	Site Address	City	Zip	Phone	Contact Last Name	Contact First Name
Vulcan-Bolingbrook Quarry A&B	1978200006	22700 111th St	Naperville	60564	630-904-1110	Van Kovering	Kelly
North Shore-CCDD	2010175083	9034 N Second St	Machesney Par	61115	815-654-4700	Kutz	Troy
Pierpont Quarry	2010306479	So Pierpont Ave	Rockford	61102	815-654-4700	Kutz	Troy
Cooling CCDD Site	2010306480	5815 Kilburn Ave	Rockford	61101	815-654-4700	Kutz	Troy
Sandy Hollow Quarry	2010306481	3801 Sandy Hollow Rd	Rockford	61109	815-654-4700	Kutz	Troy
Northern IL Svc Auburn CCDD	2010306610	1901 Harrison Rd	Rockford	61101	815-874-4422	Klinger	Wayne
Northern Illinois Svc Co	2010405051	4950 Rockton Rd	Roscoe	61073	815-874-4422	Klinger	Wayne
Stenstrom Sand & Gravel CCDD	2010405066	5200 Rhodes St	Roscoe	61104	815-398-3478	Sockness	Dave
Speedway Quarry	2010506331	9572 Forest Hills Road	Loves Park	61111	815-633-1500	Sockness	Dave
Roscoe Rock & Sand CCDD	2018105003	5029 McCurry Road	Roscoe	61073	815-389-1858	Bauch	Margaret

Total Number of Sites 60

NON-SPECIAL WASTE DISPOSAL

Revise Article 669.01 of the Standard Specifications to read:

"The Contractor has been provided with geotechnical reports by Rubino Engineering pertaining to material testing in compliance with LPC 662 and LPC 663.The Contractor shall be provided with any geotechnical reports pertaining to material testing in compliance with LPC 662 and LPC 663. The Contractor shall at their own expense, have an independent company verify soil analysis results associated with disposal of materials if the Contractor disagrees with the test results. It shall be the Contractor's responsibility to dispose of any unsuitable materials in compliance with State of Illinois regulations. The Contractor shall provide in writing to the Engineer location and verification of where materials shall be disposed of. "

Add the following paragraph after Article 669.01 of the Standard Specifications:

General - The City has retained a geotechnical consultant to perform material testing for CCDD Compliance. Results are available to the Contractor upon written request to the Engineer. The Contractor shall retain their own independent testing company if a dispute with the test result occurs. No additional compensation shall be given to the Contractor.

Add the following after the second paragraph of Article 669.19 of the Standard Specifications:

"Payment for disposal of non-special waste shall not exceed planned quantity. Any additional payment for disposal of material beyond planned quantity shall be the responsibility of the Contractor."

DISPOSAL OF EXCAVATED MATERIAL

This work shall consist of meeting IEPA requirements for the disposal of excavated material including, but not limited to, clean construction or demolition debris (CCDD), uncontaminated soil, and/or contaminated soil. **Excavated materials shall be removed from the site by the end of each day.**

The Contractor shall use an IDOT approved environmental consultant to perform soil analysis including PH and submit the report to the City prior to the start of construction. The Contractor shall take a minimum of two soil samples per street behind curb at the direction of the environmental consultant.

The Contractor shall provide CCDD and soil fill site operators with all testing information and fees as required by the IEPA and fill site operators. The City shall not provide certification as an owner or operator of the site of origin presuming that excavated soil is uncontaminated. This will require the Contractor to provide fill site operators with IEPA form LPC-663 "Uncontaminated Soil Certification by Licensed Professional Engineer". It shall be the Contractors sole responsibility to dispose all the excavated material classified as CCDD as part of this contract.

Excavated material requiring non-special or special waste disposal shall be paid for at the contact unit price per cubic yard for Special/Non-Special Waste Disposal. The Contractor shall submit an invoice from the soil fill site to be paid for all special/non special waste disposals. Soil testing and reporting shall be paid for as the contract unit price per EACH for SPECIAL WASTE DISPOSAL.

FILLING VALVE BOXES

Work shall be accordance to Section 605 of the Standard Specifications except:

The first paragraph of Article 605.04 will be revised to include valve vaults.

The third paragraph of Article 605.06 will be revised to include **FILLING VALVE BOXES** as a listed pay item.

Disposal of all materials resulting from the filling or removing existing valve vaults shall be considered included in the cost of the item.

DIRT ON PAVEMENT OR STRUCTURES

Add the following after the first paragraph of Article 107.15 of the Standard Specifications:

"All areas other than pavement shall be cleaned up as directed by the ENGINEER. The CONTRACTOR shall remove all refuse and unused material of any type and clean all areas disrupted by Work. This shall include, but not limited to, restoring surface drainage in earthen areas to ensure acceptable surface water runoff.

Failure to comply with this requirement within 24 hours after receipt of a written or email request from the City, shall result in deduction in the contract amount for reimbursement to the City to complete this work."

USE OF FIRE HYDRANTS

Add the following after the first paragraph of Article 107.18 of the Standard Specifications:

"Water shall be available to the CONTRACTOR free of charge for construction operations. The CONTRACTOR shall be responsible for accountability of water usage by means of a water meter. A water meter is available and may be obtained from the City of Wheaton Water Department for a deposit of Seven Hundred Dollars ($700) which shall be refunded upon return of the meter in good condition, to the City of Wheaton Water Department."

DUST CONTROL WATERING

Add the following after the fourth paragraph of Article 107.36 of the Standard Specifications:

"Dust shall be controlled by sweeping, vacuuming and wetting pavement in a manner to mitigate excessive dust and debris in the pavement. The Contractor shall provide a sweeper at the end of each work week or as directed by the Engineer.

The Contractor shall have a maximum of 4 hours to respond to the Engineer's request. Failure to comply with this request shall result in a stoppage of work until the site is hand swept to the Engineer's satisfaction. The Contractor shall sweep all pavements at the end of the day before 5:00PM or as directed by the Engineer.

Failure to comply shall result in liquidated damages of $800.00 per calendar day and is not meant to be a penalty, but rather is intended to be a reasonable measure of damages given the difficulty of quantifying the nature of the losses that may result from the existence of trash, debris, and pollutants in and around the roadway."

Revise the last paragraph of Article 107.36 to read as follows:

Method of Measurement. The work will be measured for payment in units of ½ hours of sweeping time. The Contractor shall provide the Engineer with copies of sweeping service receipts containing records of the location, date, and number of hours the sweeping equipment was in use in the City.

Basis of Payment. Sweeping and wetting of streets will be paid for at the contract unit price per unit for DUST CONTROL WATERING.

RECLAIMED ASPHALT PAVEMENT

Revise Section 1031 of the Standard Specifications to read:

1031.01 Description. Reclaimed asphalt pavement shall be according to the following.

(a) Reclaimed Asphalt Pavement (RAP). RAP is the material produced by cold milling or crushing an existing hot-mix asphalt (HMA) pavement. The Contractor shall supply written documentation that the RAP originated from routes or airfields under federal, state, or local agency jurisdiction.

1031.02 Stockpiles. RAP stockpiles shall be according to the following.

(a) RAP Stockpiles. The Contractor shall construct individual, sealed RAP stockpiles meeting one of the following definitions. No additional RAP shall be added to the pile after the pile has been sealed. Stockpiles shall be sufficiently separated to prevent intermingling at the base. Stockpiles shall be identified by signs indicating the type as listed below (i.e. "Homogeneous Surface"). Prior to milling, the Contractor shall request the District provide documentation on the quality of the RAP to clarify the appropriate stockpile.

(1) Fractionated RAP (FRAP). FRAP shall consist of RAP from Class I, HMA (High and Low ESAL) mixtures. The coarse aggregate in FRAP shall be crushed aggregate and may represent more than one aggregate type and/or quality, but shall be at least C quality. All FRAP shall be fractionated prior to testing by screening into a minimum of two size fractions with the separation occurring on or between the #4 (4.75 mm) and 1/2 in. (12.5 mm) sieves. Agglomerations shall be minimized such that 100 percent of the RAP shall pass the sieve size specified below for the mix into which the FRAP will be incorporated.

Mixture FRAP will be used in:	Sieve Size that 100 % of FRAP Shall Pass
IL-19.0	1 1/2 in. (40 mm)
IL-9.5	3/4 in. (20 mm)
IL-4.75	1/2 in. (13 mm)

(2) Homogeneous. Homogeneous RAP stockpiles shall consist of RAP from Class I, HMA (High and Low ESAL) mixtures and represent: 1) the same aggregate quality,

but shall be at least C quality; 2) the same type of crushed aggregate (either crushed natural aggregate, ACBF slag, or steel slag); 3) similar gradation; and 4) similar asphalt binder content. If approved by the Engineer, combined single pass surface/binder millings may be considered "homogeneous" with a quality rating dictated by the lowest coarse aggregate quality present in the mixture.

(3) Conglomerate. Conglomerate RAP stockpiles shall consist of RAP from Class I, HMA (High and Low ESAL) mixtures. The coarse aggregate in this RAP shall be crushed aggregate and may represent more than one aggregate type and/or quality, but shall be at least C quality. This RAP may have an inconsistent gradation and/or asphalt binder content prior to processing. All conglomerate RAP shall be processed prior to testing by crushing to where all RAP shall pass the 5/8 in. (16 mm) or smaller screen. Conglomerate RAP stockpiles shall not contain steel slag.

(4) Non-Quality. RAP stockpiles that do not meet the requirements of the stockpile categories listed above shall be classified as "Non-Quality".

RAP/FRAP containing contaminants, such as earth, brick, sand, concrete, sheet asphalt, bituminous surface treatment (i.e. chip seal), pavement fabric, joint sealants, etc., will be unacceptable unless the contaminants are removed to the satisfaction of the Engineer. Sheet asphalt shall be stockpiled separately.

1031.03 Testing. RAP/FRAP testing shall be according to the following.

(a) RAP/FRAP Testing. When used in HMA, the RAP/FRAP shall be sampled and tested either during or after stockpiling.

(1) During Stockpiling. For testing during stockpiling, washed extraction samples shall be run at the minimum frequency of one sample per 500 tons (450 metric tons) for the first 2000 tons (1800 metric tons) and one sample per 2000 tons (1800 metric tons) thereafter. A minimum of five tests shall be required for stockpiles less than 4000 tons (3600 metric tons).

(2) After Stockpiling. For testing after stockpiling, the Contractor shall submit a plan for approval to the District proposing a satisfactory method of sampling and testing the RAP/FRAP pile either in-situ or by restockpiling. The sampling plan shall meet the minimum frequency required above and detail the procedure used to obtain representative samples throughout the pile for testing.

Each sample shall be split to obtain two equal samples of test sample size. One of the two test samples from the final split shall be labeled and stored for Department use. The Contractor shall extract the other test sample according to Department procedure. The Engineer reserves the right to test any sample (split or Department-taken) to verify Contractor test results.

1031.04 Evaluation of Tests. Evaluation of test results shall be according to the following.

(a) Evaluation of RAP/FRAP Test Results. All of the extraction results shall be compiled and averaged for asphalt binder content and gradation, and when applicable Gmm. Individual extraction test results, when compared to the averages, will be accepted if within the tolerances listed below.

Parameter	FRAP/ Homogeneous/ Conglomerate
1 in. (25 mm)	
1/2 in. (12.5 mm)	± 8%
No. 4 (4.75 mm)	± 6%
No. 8 (2.36 mm)	± 5%
No.16 (1.18 mm)	
No. 30 (600 µm)	± 5%
No. 200 (75 µm)	± 2.0 %
Asphalt Binder	± 0.4 % [1/]
G_{mm}	± 0.03

[1/] The tolerance for FRAP shall be ± 0.3 %.

If more than 20 percent of the individual sieves and/or asphalt binder content tests are out of the above tolerances, the RAP/FRAP shall not be used in HMA unless the RAP/FRAP representing the failing tests is removed from the stockpile. All test data and acceptance ranges shall be sent to the District for evaluation.

With the approval of the Engineer, the ignition oven may be substituted for extractions according to the ITP, "Calibration of the Ignition Oven for the Purpose of Characterizing Reclaimed Asphalt Pavement (RAP)".

1031.05 Quality Designation of Aggregate in RAP/FRAP.

(a) RAP. The aggregate quality of the RAP for homogeneous and conglomerate stockpiles shall be set by the lowest quality of coarse aggregate in the RAP stockpile and are designated as follows.

(1) RAP from Class I, Superpave/HMA (High ESAL), or (Low ESAL) IL-9.5L surface mixtures are designated as containing Class B quality coarse aggregate.

(2) RAP from Class I binder, Superpave/HMA (High ESAL) binder, or (Low ESAL) IL-19.0L binder mixtures are designated as containing Class C quality coarse aggregate.

(b) FRAP. If the Engineer has documentation of the quality of the FRAP aggregate, the Contractor shall use the assigned quality provided by the Engineer.

If the quality is not known, the quality shall be determined as follows. Coarse and fine FRAP stockpiles containing plus #4 (4. 75 mm) sieve coarse aggregate shall have a maximum tonnage of 5000 tons (4500 metric tons). The Contractor shall obtain a representative sample witnessed by the Engineer. The sample shall be a minimum of 50 lb (25 kg). The sample shall be extracted according to Illinois Modified AASHTO T 164 by a consultant laboratory prequalified by the Department for the specified testing.

The consultant laboratory shall submit the test results along with the recovered aggregate to the District Office. The cost for this testing shall be paid by the Contractor. The District will forward the sample to the Bureau of Materials and Physical Research

Aggregate Lab for MicroDeval Testing, according to ITP 327. A maximum loss of 15.0 percent will be applied for all HMA applications.

1031.06 Use of RAP/FRAP in HMA. The use of RAP/FRAP shall be the Contractor's option when constructing HMA in all contracts.

(a) The use of RAP/FRAP in HMA shall be as follows.

(1) Coarse Aggregate Size. The coarse aggregate in all RAP shall be equal to or less than the nominal maximum size requirement for the HMA mixture to be produced.

(2) Steel Slag Stockpiles. Homogeneous RAP stockpiles containing steel slag will be approved for use in all HMA (High ESAL and Low ESAL) Surface and Binder Mixture applications.

(3) Use in HMA Surface Mixtures (High and Low ESAL). RAP/FRAP stockpiles for use in HMA surface mixtures (High and Low ESAL) shall be FRAP or homogeneous in which the coarse aggregate is Class B quality or better. RAP/FRAP from Conglomerate stockpiles shall be considered equivalent to limestone for frictional considerations. Known frictional contributions from plus #4 (4.75 mm) homogeneous RAP and FRAP stockpiles will be accounted for in meeting frictional requirements in the specified mixture.

(4) Use in HMA Binder Mixtures (High and Low ESAL), HMA Base Course, and HMA Base Course Widening. RAP/FRAP stockpiles for use in HMA binder mixtures (High and Low ESAL), HMA base course, and HMA base course widening shall be FRAP, homogeneous, or conglomerate, in which the coarse aggregate is Class C quality or better.

(5) Use in Shoulders and Subbase. RAP/FRAP stockpiles for use in HMA shoulders and stabilized subbase (HMA) shall be FRAP, homogeneous, or conglomerate.

(6) When the Contractor chooses the RAP option, the percentage of RAP shall not exceed the amounts indicated below for a given Ndesign.

a. RAP. When RAP is used, the percentage of virgin asphalt binder replacement shall not exceed the amounts listed in the Max RAP ABR table listed below for the given Ndesign.

RAP Maximum Asphalt Binder Replacement (ABR) Percentage

HMA Mixtures 1/, 2/	RAP Maximum ABR %		
Ndesign	Binder/Leveling Binder	Surface	Polymer Modified
30	30	30	10
50	25	15	10
70	15	10	10
90	10	10	10

1/ For Low ESAL HMA shoulder and stabilized subbase, the RAP ABR shall not exceed 50 percent of the mixture.

2/ When RAP ABR exceeds 20 percent, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28). If warm mix asphalt (WMA) technology is utilized and production temperatures do not exceed 275 °F (135 °C), the high and low virgin asphalt binder grades shall each be reduced by one grade when RAP ABR exceeds 25 percent (i.e. 26 percent RAP ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28).

b. FRAP. When FRAP is used, the percentage of virgin asphalt binder replacement shall not exceed the amounts listed in the FRAP table listed below for the given Ndesign.

FRAP Maximum Asphalt Binder Replacement (ABR) Percentage

HMA Mixtures 1/, 2/	RAP Maximum ABR %		
Ndesign	Binder/Leveling Binder	Surface	Polymer Modified 3/, 4/
30	50	40	10
50	40	35	10
70	40	30	10
90	40	30	10

1/ For Low ESAL HMA shoulder and stabilized subbase, the FRAP ABR shall not exceed 50 percent of the mixture.

2/ When FRAP ABR exceeds 20 percent for all mixes, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28). If warm mix asphalt (WMA) technology is utilized and production temperatures do not exceed 275 °F (135 °C), the high and low virgin asphalt binder grades shall each be reduced by one grade when FRAP ABR exceeds 25 percent (i.e. 26 percent ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28).

3/ For SMA the FRAP ABR shall not exceed 20 percent.

4/ For IL-4.75 mix the FRAP ABR shall not exceed 30 percent.

1031.07 HMA Mix Designs. At the Contractor's option, HMA mixtures may be constructed utilizing RAP/FRAP material meeting the detailed requirements specified herein.

(a) RAP/FRAP mix designs shall be submitted for verification. If additional RAP/FRAP stockpiles are tested and found that no more than 20 percent of the results, as defined under "Testing" herein, are outside of the control tolerances set for the original RAP/FRAP stockpile and HMA mix design, and meets all of the requirements herein, the additional RAP/FRAP stockpiles may be used in the original mix design at the percent previously verified.

1031.08 HMA Production. HMA production utilizing RAP/FRAP shall be as follows.

(a) The coarse aggregate in all RAP/FRAP used shall be equal to or less than the nominal maximum size requirement for the HMA mixture being produced. To remove or reduce agglomerated material, a scalping screen, gator, crushing unit, or comparable sizing

device approved by the Engineer shall be used in the RAP feed system to remove or reduce oversized material. If material passing the sizing device adversely affects the mix production or quality of the mix, the sizing device shall be set at a size specified by the Engineer. If the RAP/FRAP control tolerances or QC/QA test results require corrective action, the Contractor shall cease production of the mixture containing RAP/FRAP and either switch to the virgin aggregate design or submit a new RAP/FRAP design.

(b) HMA plants utilizing RAP/FRAP shall be capable of automatically recording and printing the following information.

(1) Dryer Drum Plants.

a. Date, month, year, and time to the nearest minute for each print.
b. HMA mix number assigned by the Department.
c. Accumulated weight of dry aggregate (combined or individual) in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).
d. Accumulated dry weight of RAP/FRAP in tons (metric tons) to the nearest 0.1ton (0.1 metric ton).
e. Accumulated mineral filler in revolutions, tons (metric tons), etc. to the nearest0.1 unit.
f. Accumulated asphalt binder in gallons (liters), tons (metric tons), etc. to the nearest 0.1 unit.
g. Residual asphalt binder in the RAP/FRAP material as a percent of the total mix to the nearest 0.1 percent.
h. Aggregate and RAP/FRAP moisture compensators in percent as set on the control panel. (Required when accumulated or individual aggregate and RAP/FRAP are printed in wet condition.)

(2) Batch Plants.

a. Date, month, year, and time to the nearest minute for each print.
b. HMA mix number assigned by the Department.
c. Individual virgin aggregate hot bin batch weights to the nearest pound (kilogram).
d. Mineral filler weight to the nearest pound (kilogram).
e. RAP/FRAP weight to the nearest pound (kilogram).
f. Virgin asphalt binder weight to the nearest pound (kilogram).
g. Residual asphalt binder in the RAP/FRAP material as a percent of the total mix to the nearest 0.1 percent.

The printouts shall be maintained in a file at the plant for a minimum of one year or as directed by the Engineer and shall be made available upon request. The printing system will be inspected by the Engineer prior to production and verified at the beginning of each construction season thereafter.

1031.09 RAP in Aggregate Surface Course and Aggregate Wedge Shoulders, Type B.

The use of RAP in aggregate surface course (temporary access entrances only) and aggregate wedge shoulders, Type B shall be as follows.

(a) Stockpiles and Testing. RAP stockpiles may be any of those listed in Article 1031.02, except "Non-Quality" and "FRAP". The testing requirements of Article 1031.03 shall not apply. RAP used shall be according to the current Bureau of Materials and Physical Research Policy Memorandum, "Reclaimed Asphalt Pavement (RAP) for Aggregate Applications".

(b) Gradation. One hundred percent of the RAP material shall pass the 1 1/2 in. (37.5 mm) sieve. The RAP material shall be reasonably well graded from coarse to fine. RAP material that is gap-graded or single sized will not be accepted."

INLET FILTERS

Add the following after the second subparagraph of Article 280.04(c) of the Standard Specification:

"Inlet Filter Systems shall be the "Catch-All" with Overflow, as furnished by MarMac Manufacturing Co., or approved equal.

The Filter bag shall be constructed of a polypropylene filter geotextile fabric with a minimum weight of 4 ounces per square yard, a minimum flow rate of 145 gallons per minute per square foot, and designed for a minimum silt and debris capacity of 2 cubic feet. The filter bag shall be reinforced with a polyester mesh fabric with a minimum weight of 4 ounces per square yard. The filter bag shall be suspended from a galvanized steel ring, or frame conforming to ASTM-A36, utilizing a stainless steel band and locking clamp. The frame shall be designed with an overflow feature to prevent any ponding between scheduled cleanings."

Add the following after first paragraph of Article 280.05 of the Standard Specifications:

"The Contractor shall inspect, and clean all inlet erosion control every week or after a half inch rainfall, or as directed by the Engineer."

Revise the second paragraph of Article 280.08 of the Standard Specifications to read:

"Maintenance of temporary erosion control systems shall be included in the cost of this item."

Revise the second paragraph of Article 280.08(d) of the Standard Specifications to read:

"All costs for furnishing, installing, and maintaining inlet filters, shall be paid for at the contract unit price per each for **INLET FILTERS**." This shall include all costs for replacement of filter baskets to new frames.

STORM SEWERS

Work shall be in accordance to Section 550 of the Standard Specifications except for the following:

The Owner shall provide T.V. reports, if available.

All storm sewer pipes shall be watermain quality pipes.

Polyvinyl Pipe (PVC) Sewer Pipe Joints shall be solvent welded joints per ASTM D 2855 or flexible elastomeric seals per ASTM D 3212.

Once all underground work has been completed, the Contractor shall patch the areas as specified in the plans. All pavement patching required as a result of this line item shall be completed no more than 72 hours after the underground work is completed.

The location and re-connection of all existing sewer services shall be the responsibility of the Contractor and shall be included in the cost of this line item.

End treatments, pipe tees, and elbows shall be included in the cost of the pipe.

Removal and replacement of unsuitable material below plan bedding grade shall be paid for in accordance with Article 109.04 of the Standard Specifications.

All sewers shall be tested 30 days after installation to test for any deflections or imperfections. This work shall be incidental to this pay item.

SANITARY SEWERS

Work shall be in accordance to Section 550 of the Standard Specifications except for the following:

The Owner shall provide T.V. reports, if available.

All sanitary sewer pipes shall be watermain quality pipes.

Polyvinyl Pipe (PVC) Sewer Pipe Joints shall be solvent welded joints per ASTM D 2855 or flexible elastomeric seals per ASTM D 3212.

Once all underground work has been completed, the Contractor shall patch the areas as specified in the plans. All pavement patching required as a result of this line item shall be completed no more than 72 hours after the underground work is completed.

The location and re-connection of all existing sewer services shall be the responsibility of the Contractor and shall be included in the cost of this line item.
End treatments, pipe tees, and elbows shall be included in the cost of the pipe.

Bypass pumping.

1) Eliminate flow in pipe segment to be replaced and inspected by inserting solid plugs in upstream manhole.
2) Provide pumping equipment and conduits to transfer sewage flows from upstream side of the plug to a downstream manhole, around the pipe segment during the inspection.
3) All Pumps shall have noise attenuation measures.

Removal and replacement of unsuitable material below plan bedding grade shall be paid for in accordance with Article 109.04 of the Standard Specifications

This work shall be paid for at the contract unit price per foot for **SANITARY SEWERS**, of the class, type, and diameter specified and of the kind of material when specified.

All sewers shall be tested 30 days after installation to test for any deflections or imperfections. This work shall be incidental to this pay item.

SANITARY SEWER SERVICE, 6" PVC, COMPLETE

Description. This work shall consist of constructing new sanitary sewers services from the main to the property line at all location where a sanitary service is encountered or where shown on the plans or as directed by the Engineer. Sanitary sewers services shall conform to the plan details, the Standard Specifications for Water and Sewer Main Construction in Illinois.

Materials. Sanitary sewer service pipes shall be PVC SDR 26 pipe meeting the requirements of ASTM D-3035 or a sewer safe lined ductile iron pipe of class 52. Pipe shall be laid in approved bedding as shown on the plan details. All pipe and fittings will be water main quality.

Construction. No cut-in connection shall be made by breaking or cutting a hole in the main and inserting the spigot end of an ordinary sewer pipe.

All trenches within two feet of paved surfaces or driving areas shall be backfilled with CA-6 material and property compacted. Mechanically compacted backfill shall be placed in six-inch horizontal layers of thickness. Each layer shall be evenly spread, moistened (or dried as necessary), and then tamped or rolled until 90-percent relative density compaction is achieved.

Method of Measurement. Sanitary sewer services will be measured for payment per each.

Basis of Payment. Sanitary services shall be paid for at the contract unit price per each for SANITARY SEWER SERVICE, 6" PVC, COMPLETE. These prices shall include all materials, labor and equipment necessary to perform the work as specified herein. No additional compensation will be given to temporary connections to existing laterals for staging purposes. All connections to the existing sanitary service lateral an/or clean out are incidental to this pay item. Trench backfill where required will be paid for as TRENCH BACKFILL.

WATER MAIN

Revise the first paragraph Article 561.02 of the Standard Specifications to read:

Materials. Trenched water mains shall be Class 52 Ductile Iron pipe with push-on joints, and shall conform to Specification AWWA-C151. The exterior of ductile iron pipe shall be coated with a layer of arc-sprayed zinc per ISO 8179. The mass of the zinc applied shall be 200 g/m2 of pipe surface area. A finishing layer topcoat shall be applied to the zinc. The coating system shall conform in every respect to ISO 8179-1 "Ductile iron pipes – External zinc-based coating – Part 1: Metallic zinc with finishing layer. Second edition 2004-06-01."

All joints within casings shall use a restraining gasket - American Fast-Grip, US Pipe Field Lok, or approved equal. Mechanical joints shall be used at all tees, crosses, and other fittings at locations shown on the Plans, and shall be installed strictly in accordance with the manufacturer's instructions.

Horizontal directional drilled water main shall be Class 52 restrained joint - American Flex Ring, US Pipe TR Flex, or approved equal. Mechanical joints shall be used at all tees, crosses, and other fittings at locations shown on the Plans, and shall be installed strictly in accordance with the manufacturer's instructions. **Substitution of this material is prohibited.** All horizontal directional drilled water main shall be double wrapped with polyethylene encasement.

Water main shall be installed in accordance with Section 561 of the Standard Specifications. Excavation, backfilling, installation, and separation of water mains shall be in accordance with Section 41 of the Standard Specifications for Water and Sewer Main Construction in Illinois. The requirements of the Illinois Department of Public Health shall govern the horizontal and vertical separation of water mains from sewers.

All chlorination or flushing taps shall be a minimum two (2) inch diameter. Taps shall be provided by the Contractor and be included in the cost of the water main installation.

Add the following to the first paragraph Article 561.03 of the Standard Specifications:

Any existing valves or water services that are to be abandoned due to the installation of the new water main shall have the box extensions removed and the surrounding area patched or landscaped as the case may be.

Tees installed on the new water main shall have mechanical joint plugs installed for testing purposes. All such plugs shall be removed and salvaged by the Contractor after the new water main has been successfully tested and chlorinated. This work shall be considered included to the cost of **WATER MAIN** of the diameter specified.

Delete the second paragraph of Article 561.03(b) of the Standard Specifications.

Revise the first paragraph Article 561.04 of the Standard Specifications to read:

Method of Measurement. The water main will be measured for payment in place in feet along the centerline of the pipe with no deductions made for valves, tees, bends, and crosses. Tees, bends, crosses, and thrust blocking shall not be measured for payment separately, but shall be considered included to the cost of water main of the diameter specified.

Revise the first paragraph Article 561.05 of the Standard Specifications to read:

Basis of Payment. This work will be paid for at the contract unit price per foot for **WATER MAIN** of the material, joint type, installation method and diameter specified. This price will include the cost of installation of a new corporation stop and 45° brass "L" for each service being connected to the new main as shown on the plans or as directed by the Engineer, all pipe, fittings, tees, bends, beveled pipe, reducers, joint materials, the hydrostatic tests, all excavation (except excavation in rock), backfilling, thrust blocking (concrete), pipe bedding, and all appurtenances necessary to construct the water main.

The price shall include the reconnection of all short side services where no new copper is needed to connect to the new water main.

Pavement removal and replacement shall be measured and paid for separately.

All costs incurred to abandon the valves and water services shall be included in the cost of installing the new water main.

All new water mains and services shall be inspected by the City with leak detection equipment immediately after installation of water main and one (1) year after the completion of work.

The Contractor shall make provisions to hire a qualified contractor to verify leaks identified by the City. No additional compensation shall be provided but instead shall be considered included in the contract.

De-chlorination of water discharged from the new water main shall follow criteria established by the Environmental Protection Agency (EPA). No additional compensation

shall be given to perform this work, but instead, this work shall be included in the cost of the contract.

CONCRETE THRUST BLOCK

Description. This work shall consist of constructing cast-in-place concrete thrust blocks on slope drains as shown on the plan details and directed by the Engineer.

Materials. The concrete shall be Class SI in accordance with Section 1020 of the Standard Specifications.

Method of Measurement. This work will be measured in place and the volume computed per each.
Basis of Payment. This work will be paid for at the contract unit price per each for CONCRETE THRUST BLOCK. This price shall include all material, labor and equipment necessary to perform the work specified herein.

POLYETHYLENE ENCASEMENT, SPECIAL

Description. This work shall consist of installing polyethylene encasement on all ductile iron pipe and underground water main appurtenances.
General. All ductile iron waterman and fittings shall be encased in polyethylene wrap and secured with polyethylene tape.

Materials. The materials shall conform to AWWA Standard Specifications for polyethylene encasement for gray and ductile cast-iron piping for water and other liquids, ANSI/AWWA C105/A21.5. In addition, polyethylene encasement for use with ductile iron pipe systems shall consist of three layers of co-extruded linear low density polyethylene (LLDPE), fused into a single wall thickness of not less than 8 mils. The inside surface of the polyethylene wrap to be in contact with the pipe exterior shall be infused with a blend of anti-microbial biocide to mitigate microbiologically influenced corrosion and a volatile corrosion inhibitor to control galvanic corrosion.

Ductile iron pipe and the polyethylene encasement used to protect it shall be installed in accordance with AWWA C600 and ASNI/AWWA C105/A21.5 and also in accordance with all recommendations and practices of the AWWA M41, "Manual of Water Supply Practices - Ductile Iron Pipe and Fittings".
Specifically, the wrap shall be overlapped one foot in each direction at joints and secured in place around the pipe and any wrap at tap locations shall be taped tightly prior to tapping and inspected for any needed repairs following the tap. All installations shall be carried out by personnel trained and equipped to meet these various requirements.

Horizontal Directional Drilled water main shall have two layers of polyethylene encasement applied as per ANSI/AWWA C105/A21.5 and Ductile Iron Pipe Research Association's "Horizontal Directional Drilling with Ductile Iron Pipe".

Method of Measurement. This work will be measured for payment in place in feet. Where 2 or more layers of polyethylene encasement are specified, each layer shall be measured separately.

Basis of Payment. This work will be paid for at the contract unit price per foot for **POLYETHYLENE ENCASEMENT**. No additional compensation shall be given for the difference in cost between varying diameters of polyethylene encasement.

WATER SERVICE LINE

This work shall consist of replacing water service lines as shown on the Plans and Details. The diameters are given to the best of the City's knowledge for bidding purposes. It is the Contractor's responsibility to determine the actual diameter. No additional compensation shall be given for varying diameters of water service lines.

The construction of the water service line shall be in accordance with Section 562 of the Standard Specifications, unless specified otherwise in these Special Provisions. The existing water service line shall be replaced with Type K copper pipe.

All "far side" water services shall be jacked or augured. Open cut installation shall only be permitted at the direction of the Engineer. If the existing "far side" service is copper, it shall be connected to the new water main without being replaced. Compression couplings shall be permitted.

This work shall be paid for at the Contractor unit price per **LINEAL FOOT** for **WATER SERVICE LINE** of the inside diameter specified, measured in-place. This price shall include the cost of all materials and all excavation, except excavation in rock. No additional compensation shall be given for water service diameters that differ from diameters shown on the Plans. This price shall include all labor, equipment, and materials necessary to "push" the service under the roadway and for disconnection of the existing service.

All other pavement removal and replacement shall be measured and paid for separately. All patching as a result of this line item shall be completed immediately after the underground work is completed.

Trench backfill shall be measured and paid for as provided in Section 208 of the Standard Specifications.

Shut down for any and all water service connections shall be between 7 am and 5 pm. All shut downs shall be coordinated with the city and businesses/residences. A 72 hour notice shall be given to all parties prior to shut down.

Due to the types of businesses, sequential shut downs may not be allowed.

LEAD WATER SERVICES

Description. This work shall consist of the removal of lead service lines from the b-box in the right-of-way to the water meter inside the building (business or residence) as show on the plans or as directed by the City and/or Engineer.

Shut down of the water services to the businesses and residents shall be between 7am and 5pm and the Contracts shall give a 72 hour notice to the City, businesses and residents of any shutdown of water service.

The removal of the lead service line will be properly disposed of by the Contractor at no additional cost.

All work inside the building shall be completed by Licensed Plumber in the State of Illinois.

The City of Wheaton will complete the shut-off, cleaning and flushing of all lead service lines once the connection is made by the Contractor. The Contractor shall notify the City 72 hours in advance before the service is going to be replaced and reinstated.

All work to complete the new water service line will be paid for and installed per the Special Provisions WATER SERVICE LINE and WATER SERVICE COMPLETE.

Method of Measurement. This work will NOT be measured for payment.

The water service line will be measured for payment according to Article 562.04.

Basis of Payment. This work will be NOT be paid for separately but considered incidental to the WATER SERVICE LINE and WATER SERVICE COMPLETE.

Excavation and spoil removal shall not be paid for separately but shall be considered included in the cost of this WATER SERVICE LINE and WATER SERVICE COMPLETE. No additional compensation shall be given for varying diameter services, but instead, shall be considered included in the contract.

ADJUSTING SANITARY SEWERS AND WATER SERVICE LINES

Work shall be accordance to Section 563 of the Standard Specifications except for the following:

a) Storm and sanitary sewer services shall be SDR-26 and shall be watermain quality pipe.

b) Existing "Y" or "T" connection on the sewer main shall be replaced and connected to the existing sewer main by means of the specified grade of PVC pipe and compression couplings.

CUT-IN CONNECTION

Description of Work. This work shall include all labor and materials necessary to connect the new water main to an existing main. This shall involve the saw cutting and removal of pavement, excavation of all material necessary to remove old fittings, the removal of existing connection fittings and pipe (tee, cross, sleeves , valves, valve vaults, etc.), and all backfill necessary to restore excavated area to previous grade.

Work shall be staged in such a way as to maximize the number of cut-in connections that can be performed per each shutdown of an existing water main. No shutdowns of water main will be allowed on Fridays or Mondays without prior approval by the Engineer.

Method of Measurement. Measurement for this item shall be on an EACH basis per location of connection.

Basis of Payment. This item shall be paid for per each for CUT-IN CONNECTION, which shall include any saw cutting of pavement, pavement removal, excavations, cutting and removal of fittings and pipe, cleaning and prepping pipe for connection, and all backfill necessary to bring hole to original grade. All newly installed water main and fittings shall be paid for as DUCTILE IRON PIPE, of the size specified, and DUCTILE IRON FITTINGS respectively.

FIELD LOK GASKETS FOR DI WATER MAIN

Description. For water main approaching or exiting any horizontal or vertical bend fitting within casing pipes, and all push-on joints shall have “Field LOK Gaskets”. The pipe length restrained by Field LOK Gaskets at each side of the bend shall be 20 linear feet.

Materials. Joint restraints shall be Field LOK 350 Gaskets as manufactured by US Pipe. Field LOK Gaskets shall be compatible with the ductile iron, cement-lined asphaltic coating or paint, push-on joint, thickness class 52, of the size as designated in the Plans.

Shop Drawings. Shop drawings of all items related to the manufacturer and installation of the Field LOK Gaskets shall be submitted and approved by the Engineer.

Method of Measurement and Basis of Payment. This work will be paid for at the contract unit price per each for FIELD LOK GASKETS FOR DI WATER MAIN, of the diameter specified, measured in place. This price shall include the cost of all joint materials and labor necessary to complete this work as specified.

REMOVE EXISTING WATER VALVE

Description. This work shall consist of removing valves with their associated items as shown on the plans or as directed by the Engineer. All work shall be accomplished, measured and paid for in accordance with the requirements of Section 605 of the IDOT Standard Specifications, except as modified herein.

All existing frames, lids and valve covers shall be delivered to the City of Wheaton.

If the outlet and inlet pipes are not being removed but are to be abandoned, then this work shall also include sealing the ends of the pipes with concrete or brick masonry. Filling the hole left by the removal of the utility structure with Trench Backfill is part of this work, and will not be paid for separately.

Basis of Payment. The work will be measured and paid for at the contract unit price per each for REMOVE EXISTING WATER VALVE, which price shall be payment in full for completing this work as specified.

REMOVE CURB STOP BOX

Description. This work shall consist of removing curb stop boxes with their associated items as shown on the plans or as directed by the Engineer.

All salvageable curb boxes and covers shall be delivered to the City of Wheaton.

Basis of Payment. The work will be measured and paid for at the contract unit price per each for REMOVE CURB STOP BOX, which price shall be payment in full for completing this work as specified.

SANITARY SEWER REMOVAL

Description. This work shall consist of removing sanitary sewers within the project limits that are deemed old, damaged or not functioning correctly at locations directed by the City of Wheaton and the Engineer.

Construction Requirements. Removal of all sewers shall be performed in accordance with "Standard Specifications for Water and Sewer Construction in Illinois" or as approved by the Engineer.

Disposal of removed material to a proper location shall be included in this work. Disposal shall be offsite and meet all applicable legal requirements.

Pipes that are lined shall be removed and disposed of properly. Removal and disposal of any insert/liner in the sanitary sewer will not be paid separately but will be included in the removal of the sanitary sewer of the specified diameter.

Prior to removal of any sanitary sewer, the Contractor shall coordinate with the City, Engineer and businesses/residents before any work shall start.

Basis of Payment. This work will be paid at the contract unit price per foot for SANITARY SEWER REMOVAL of the size identified in the field, which price shall include all materials, labor and equipment necessary to remove and provide new sanitary sewers at locations as directed by the City and/or Engineer.

MANHOLE CONSTRUCTION, ADJUSTMENT, AND RECONSTRUCTION

Delete Note 2 of Article 602.02 of the Standard Specification.

Revise Note 3 of Article 602.02 of the Standard Specification to read:

"Multi-Purpose Rubber Adjustment Riser Rings shall be used (Metal adjustment rings shall NOT be permitted). The rubber adjustment rings shall conform to ASTM Standards (C-642-90, D-2240, D412-87, D 575, D 395, C672-91, C531-85, and D573-88) or approved equal. Beveled rings shall be used in cases were the surface slopes differ in elevation. **Brick shims are prohibited . The Contractor shall use butyl mastic between the frame and rings. Roofing tar or other products other than butyl mastic are prohibited . If it is determined that unsuitable materials were used for adjustments, the Contractor shall remove all material and re-adjust the structure to the Engineer's satisfaction. Failure to correct the situation shall result in withholding payment for the adjustment of the structure.**

When the Plans indicate the adjustment of an existing sanitary manhole, the adjustment shall include the reinstallation of the existing chimney seal or the installation of a new chimney seal, as the case may be."

Add the following after the first paragraph of Article 602.07 of the Standard Specifications:

"The Contractor shall provide and install a precast reinforced concrete sanitary manhole with a one piece integral base and bench section. All pipe connections are to be made with a pre-installed synthetic rubber sleeve with stainless steel clamps. All joints between barrel sections, rubber riser rings, and frames shall be sealed with a flexible butyl gasket material, such as "E-Z Stick", "Ram Neck" or approved equal. In addition, the casting, risers, and cone section shall be sealed by the use of an internal chimney seal conforming to ASTM C-923 or approved equal. The sanitary manhole detail as shown on the plans shall be included under this Special Provision by reference."

Add the following after the second paragraph of Article 602.11(c) of the Standard Specifications:

"The Contractor shall postpone placing the final surface course for 48 hours in order to inspect all adjusted structures which are within the paved areas. If it is determined that the structure is incorrectly adjusted, the Contractor shall make the necessary repairs to the structure prior to the placement of the final surface. No additional compensation shall be made for this item, but instead, shall be considered included in the cost of this item.

The salvaged castings shall be stored at a convenient location on the job site for pick up by the City."

Add the following after the second paragraph of Article 602.13 of the Standard Specifications:

"The Contractor shall verify all invert elevations and pipe configurations in manholes prior to ordering the new structure. All pipe connections to the precast reinforced concrete sanitary manhole structure shall be made with a pre-installed synthetic rubber sleeve. No exceptions shall be made because of the Contractor's failure to complete adequate investigation before ordering materials. The Engineer shall make every reasonable attempt to confirm the configurations of the delivered manholes before the existing structure is removed. The failure of the Engineer, or his representative, to identify improperly manufactured structures does not alleviate the Contractor of his responsibility in this regard. Failure to install manholes to these specifications will result in non-payment of the structure until the structure is replaced to the satisfaction of the Engineer.

Where a new structure is replacing an existing structure of similar dimensions, all pipe connections shall be reconnected to the new structure with pipe of the same size.

Pipe material for storm sewer structures shall be PVC SDR-26, if the existing pipe is vitrified clay pipe. Pipe replacement of all other types shall be identical to that of the existing pipe. Pipe material for sanitary sewer structures shall be PVC SDR-26 when the existing line is vitrified clay pipe. **NON-SHEAR TYPE Fernco, Mission or approved equal couplings** shall be used when connecting pipe of different materials."

Revise the first paragraph of Article 602.16 of the Standard Specifications to read:

"Basis of Payment. When new construction is specified, this work will be paid for at the contract unit price per each for MANHOLES of the type or type and diameter specified, and with the type of frame and grate or frame and lid specified or median inlet number specified.

For bidding purposes, the manhole and sanitary manhole line items have specified depths less than or equal to eight feet (<8') and greater than eight feet (>8').

When adjustment or reconstruction is specified and existing frames, grates, and lids are to be used, this work will be paid for at the contract unit price per each for MANHOLES TO BE ADJUSTED or MANHOLES TO BE RECONSTRUCTED.

When adjustment or reconstruction is specified and new frames, grates, lids or median inlets are to be used, this work will be paid for at the contract unit price per each for MANHOLES TO BE ADJUSTED WITH NEW FRAME AND GRATE or LID of the type specified, or WITH NEW MEDIAN INLET of the number specified; MANHOLES TO BE RECONSTRUCTED WITH NEW FRAME AND GRATE or LID of the type specified, or WITH NEW MEDIAN INLET of the number specified.

Which price shall include all costs for setting or resetting the frame, grate, or lid, or for installing or reinstalling the chimney seal as the case may be, and for all pavement patching. Setting of all frames shall be performed as shown on the plans."

TRAFFIC CONTROL AND PROTECTION, SPECIAL

Traffic Control shall be according to the applicable sections of the Standard Specifications, the Supplemental Specifications, the "Illinois Manual on Uniform Traffic Control Devices for Streets and Highways", any special details and Highway Standards contained in the plans, and the Special Provisions contained herein.

Special attention is called to Article 107.09 of the Standard Specifications and the following Highway Standards, Details, Quality Standard for Work Zone Traffic Control Devices, Recurring Special Provisions and Special Provisions contained herein, relating to traffic control.

The Contractor shall contact the District One Bureau of Traffic at least 72 hours in advance of beginning work.

STANDARDS: 701301-04, 701501-06, 701601-09, 701606-10, 701701-10, 701801-06, 701901-06, 780001-05

DETAILS: TC-10, TC-13, TC-14, TC-16

SPECIAL PROVISIONS: Maintenance of Roadways, Traffic Control and Protection (Arterials), LRS 3 Work Zone Traffic Control Surveillance, LRS 4 Flaggers in Work Zones

Add the following after the fifth paragraph of Article 701.04 of the Standard Specifications.

"The Contractor shall insure that all traffic control devices installed by him are operational, functional, and effective 24-hours a day, including Sundays and Holidays.

When traffic is to be directed over a detour route, the Contractor shall furnish, erect, maintain and remove all applicable traffic control devices along the detour route according to the details shown in the plans.

The Contractor shall maintain at least one lane of traffic at all times on two lane roads and at least one lane in each direction on four or more lane roads, during the construction of this project. Two flaggers will be required at all times for each separate operation where two-way traffic is maintained over one lane of pavement. The Contractor shall also maintain entrances, side roads, and pedestrian pathways along the proposed improvement. Interference with traffic and pedestrian movements and inconvenience to owners of abutting property and the public shall be kept to a minimum.

Delays to the Contractor caused by complying with these requirements shall be included in the cost of TRAFFIC CONTROL AND PROTECTION, SPECIAL, and no additional compensation shall be allowed."

Add the following to the third paragraph of Article 701.18(b) in the Standard Specifications.

"A sufficient quantity of replacement devices based on vulnerability to damage shall be readily available to meet this requirement."

Revise the third paragraph of Article 701.18(b) of the Standard Specifications to read:

"In an emergency as determined by the Engineer, the City reserves the right to immediately affix temporary repairs, placement of barricades, or provide temporary access at driveways, trench crossing, or pavement rehabilitation areas by City personnel at time and one-half pay rate plus any rental and/or material costs incurred and the Contractor agrees that in such event, the City may charge such costs that may be incurred against the Contractor or his surety."

Revise Article 701.19 of the Standard Specifications to read:

Method of Measurement. **TRAFFIC CONTROL AND PROTECTION, SPECIAL** will be measured on a lump sum basis.

Revise Article 701.20 of the Standard Specifications to read:

Basis of Payment. This work shall be paid for at the contract lump sum price for **TRAFFIC CONTROL AND PROTECTION, SPECIAL**, which price shall be payment in full for all labor, materials, transportation, handling, and incidentals necessary to furnish, install, maintain, replace, relocate, and remove all traffic control devices indicated in the plans and specifications. The salvage value of the materials removed shall be reflected in the bid price for this item.

In the event that flaggers or additional construction signage is required, the cost to furnish these items would be included in the cost for **TRAFFIC CONTROL AND PROTECTION, SPECIAL**.

EXPLORATION TRENCH, SPECIAL

Description. This work shall consist of the Contractor making excavations to determine the exact horizontal and vertical locations for various underground utilities as directed by the Engineer. It shall include any necessary bracing and shoring as well as backfill and compaction.

Basis of Payment. This work shall be paid for at the contract unit price per foot for EXPLORATION TRENCH, SPECIAL.

Which price shall be payment in full for all machine sawing, excavation, trench backfill, materials, labor, trench shoring and any equipment necessary to perform the work.

Backfill material shall either be native materials in locations where there will be no structures built upon the fill, or aggregate trench backfill in areas upon which will be constructed pavements or concrete.

Permanent pavement patching shall be paid for separately.

PRESSURE CONNECTION

Description. This work shall consist of installing pressure tap valves and tees of the sizes and dimensions specified. The installations shall be according to the applicable sections of the current version of the Standard Specifications for Water and Sewer Main Construction in Illinois and to the Plan Details. The Engineer and City of Wheaton Water Department shall inspect the pressure taps.

General. The Contractor shall supply the valves, tap machine, and pressure tap tees to complete the work as required. Each pressure tap valve shall be installed with a valve box and cover.

Materials. The pressure tap valve and tee shall conform to the following or approved equal:

Pressure Tap Valve and Tee.

a) Mueller A2360-16 Resilient Wedge Valve
or
b) American Flow Control Series 2500 Flanged X Mechanical Joint Resilient Wedge Valve

Tapping Sleeve.

a) Smith Blair 665 Stainless Steel Taping Sleeve

Method of Measurement. This work will be measured for payment as each. Each installed pressure tap and valve will be considered one each.

Basis of Payment. This work will be paid for at the contract unit price per each for **TAPPING VALVES AND SLEEVES,** of the specified size, and shall include all materials, labor and equipment necessary to complete the work as described.

Each pressure tap valve shall be installed with a valve box and cover which shall be considered included in the cost of each valve.

All excavation and trench backfill required for the pressure tap and valve shall be included in the price of this item.

Pavement removal and replacement shall be measured and paid for separately.

WATER VALVES

Description. This work shall consist of the installation of valves that conform to the applicable sections of the current version of the Standard Specifications for Water and Sewer Main Construction in Illinois, and to the plan details. Each valve shall be installed with a valve box cover and rubber valve setter.

General. The Contractor shall supply and install all valves as shown on the plans.

Materials. The mainline valves shall be gate valves and shall conform to the following or approved equal.

a) Muller A-2360-20 Resilient Wedge Valve with Mechanical Joint Ends
   or
b) American Flow Control Series 2500 Resilient Wedge Valve

All valve boxes shall be 664-S Series Tyler Screw Type Cast Iron 2 piece valve boxes or approved equal.

Plastic valve boxes, plastic valve box extensions/risers, or slip in valve box risers are not acceptable.

Method of Measurement. This work will be measured for payment as each. Each installed valve and valve box cover and rubber valve setter will be considered one each.

Basis of Payment. This work will be paid for at the contract unit price per each for **WATER VALVES,** of the specified size, and shall include all materials, labor and equipment necessary to complete the work as described.

WATER SERVICE COMPLETE

Description. This work shall consist of the installation of a complete water service assembly from an existing or new water main to, and including the curb box.

Shut down of the water services to the businesses and residents shall be between 7am and 5pm and the Contracts shall give a 72 hour notice to the City, businesses and residents of any shutdown of water service.

The reconnection of the water services will not necessarily be completed in sequence but will be determined on the business type and times.

All end caps furnished and installed at the end of the water service lines shall be incidental to WATER SERVICE COMPLETE.

General. This work shall include spoil removal, and all fittings necessary to perform this work. No additional compensation shall be given for varying diameter services, but instead, shall be considered included in the contract.

The water service line shall be installed according to Article 562.03 and the Special Provision **WATER SERVICE LINE**.

Materials. The water service complete assembly shall conform to the following or approved equals.

Corporation Cock
a) Mueller 300 Ball Corporation Valve B-25000N
   Or
b) Ford Corporation Stops FB600-Size-NL

Corporation Cock Quarter and Eighth Bends – ¾", 1", 1 ¼", 1 ½" and 2"
a) Mueller brass with compression ends and swivel nut, flare nut. Non-swivel accepted on sizes where others aren't made. Mueller H-15075N, H-15076N
   Or
b) Ford brass with compression ends with swivel nut, flare nut. Non-swivel accepted on sizes where others aren't made. Ford LA04-Size-NL, L04-Size-NL.

Curb Stop
a) Mueller 300 Ball Curb Valve B-25155N
   Or
b) Ford Ball Valve Curb Stop B44-size M-NL

Curb Box
a) Mueller H-10300 Curb Box with Minneapolis Pattern Base

Service Saddles (for diameter sizes over 1")
a) Smith-Blair Model 317 Epoxy Coated Ductile Iron with Double Stainless Steel Strap

The water service line shall be installed according to Article 562.02 and the Special Provision for **WATER SERVICE LINE**.

Method of Measurement. This work will be measured for payment as each. Each installed corporation cock, corporation cock quarter and eighth bends, curb stop, curb box and service saddles, will be considered one each.

The water service line will be measured for payment according to Article 562.04.

Basis of Payment. This work will be paid for at the contract unit price per each for **WATER SERVICE COMPLETE** which shall include all labor, equipment, and materials necessary to install the service as specified.

Excavation and spoil removal shall not be paid for separately but shall be considered included in the cost of this item. No additional compensation shall be given for varying diameter services, but instead, shall be considered included in the contract.

Copper water service line will be paid for according to Article 562.05.

FIRE HYDRANTS

Description. This work shall consist of the installation of new fire hydrants and auxiliary valves to be connected to the existing water main or to a new water main.

General. Work shall be performed according to applicable sections of the current version of the Standard Specifications for Sewer & Water Main Construction in Illinois and the detail as shown on the plans.

Materials. The hydrant shall be a Mueller Centurion A-421 or approved equal, 4 ½" valve opening with 6" flange by mechanical joint resilient wedge gate type auxiliary valve. The hydrant shall be of a break flange construction and placed in the locations as shown on the plans. The Fire Hydrant shall be factory painted safety yellow.

The auxiliary valve shall be a Mueller #A-2360-19 resilient wedge series or approved equal. The valve box shall be a Tyler 664-S or approved equal.

Construction Requirements. Hydrants shall not be closer than 3' to the back of curb, no closer than 5' to the nearest edge of a drive approach, no closer than 18" to any sidewalk. Fire hydrants shall be plumb and set so that the lowest hose connection is a minimum of 18" and maximum 24" above the surrounding finished grade. A minimum of 1/4 cubic yard of coarse washed stone shall be placed at and around the base to a level 6" above the drain outlets to permit the draining of the hydrant barrel.
Final adjustment of the Fire Hydrant shall be considered included in the cost of this item. No additional compensation shall be given for fittings or extensions that are necessary to avoid utility conflicts or connect to the existing or new water main.

Method of Measurement. This work will be measured for payment as each. Each installed fire hydrant and auxiliary valve will be considered one each.

Basis of Payment. This work shall be paid for at the contact unit price per each for **FIRE HYDRANTS** which shall include all labor, equipment, and materials necessary to install the hydrant as specified.

FIRE HYDRANTS TO BE REMOVED

Description. This work shall consist of the removal of fire hydrants, yard hydrants/valves and auxiliary valves on abandoned water main.

Construction Requirements. After installation and testing of the proposed water main, hydrants on the existing water main to be abandoned shall be removed. The existing hydrant and auxiliary valve and yard hydrant/valve shall be removed as a one-piece unit and set aside for pick up by City crews. All excavation necessary shall only be sufficient to remove the existing hydrant.

Method of Measurement. This work will be measured for payment as each. Each removed fire hydrant and auxiliary valve will be considered one each.

Basis of Payment. This work will be paid for at the contract unit price per each for **FIRE HYDRANTS TO BE REMOVED**, which shall include all labor, materials, and equipment necessary to affect each hydrant removal.

Trench backfill necessary to fill the resulting excavation shall not be paid for separately but shall be considered included in the cost of this item.

CUT AND INSTALL END CAPS

Description. This work shall consist of the removal of existing valves and/or pipe on water main and the installation of an end cap.

Materials. Material shall be according to the following or approved equal.

End Caps for Class “A” pipe shall be Tyler Union Mechanical Joint Cap, with EBAA Iron Megalug mechanical joint restraint gland. End Caps for Class “B-C-D” pipe shall be Tyler Union MJ x PE Dual-Purpose Cutting-in Sleeve with Tyler Union Mechanical Joint Cap, with EBAA Iron Megalug mechanical joint restraint glands.

When the elimination of an existing tee or cross is shown on the plans, a length of pipe matching the diameter of the existing main shall be installed with two (2) long body sleeves, Smith Blair #462 with stainless steel hardware or approved equals at the discretion of the Engineer. This work shall be performed in lieu of installing the number of end caps normally required.

Construction. The existing water main and appurtenances shall be removed as shown on the plans to accommodate the installation of an end cap. The end cap shall be blocked with concrete blocks against undisturbed earth. In addition, each cap shall be tied back to the water main with a stainless steel threaded rod to either a mechanical joint or a retaining gland and be encased in polyethylene wrap.

The Engineer shall determine the method to be used on the basis of existing conditions. Wood shims shall only be permitted when encased in Class SI Concrete. A brass plug shall be installed on the end cap.

All excavation shall be minimized to an extent sufficient to install the end cap.

Method of Measurement. Cut and install end cap will be measure for payment as each. Each installed end cap, concrete blocks, concrete, and retaining gland, or Omni sleeves and pipe section will be considered each.

Basis of Payment. This work will be paid for at the contract unit price per each for **CUT AND INSTALL END CAPS,** which shall include all materials, labor, and equipment as required. No allowance will be made for varying diameters of end caps.

Trench backfill and pavement removal and replacement will be measured and paid for separately.

ABANDON EXISTING UTILITIES

Description. This work shall consist of abandoning existing water mains, storm sewers and/or sanitary sewer mains at the locations shown on the plans and as directed by the Engineer. Abandoning of the water mains and sanitary sewer shall consist of cutting, capping and/or plugging the main or sanitary sewer. The Contractor will be permitted to choose his preferred abandonment method with the exception that all existing pipes that will conflict with the new construction shall be removed and disposed of. Any material that is salvageable shall become the property of the City of Wheaton. Materials determined not to be salvaged by the Engineer shall be disposed of offsite by the Contractor in accordance with Article 202.03. The excavated areas that are within 2-feet of proposed paved areas shall be backfilled with trench backfill material. The other excavated areas not within 2-feet of paved areas shall be backfilled with select earth material.

Measurement and Payment. This work will be measured for payment at the contract unit price lump sum for ABANDON EXISTING UTILITY, which price shall include excavating, plugging, removal and disposing of piping, valve bonnets and boxes, dewatering the abandoned line, cutting and removing sections of pipe, capping or plugging pipes, and backfilling with earth or trench backfill material, protection, replacement or repair of utilities, drainage systems, structures, and miscellaneous property; removal and disposal of surplus excavated material, and clean up. The removal of valve vaults and manholes will be paid for separately as specified herein.

INDEX
FOR
SUPPLEMENTAL SPECIFICATIONS
AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2017

This index contains a listing of SUPPLEMENTAL SPECIFICATIONS, frequently used RECURRING SPECIAL PROVISIONS, and LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS.

ERRATA Standard Specifications for Road and Bridge Construction
(Adopted 4-1-16) (Revised 1-1-17)

SUPPLEMENTAL SPECIFICATIONS

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CHECK SHEET
FOR
RECURRING SPECIAL PROVISIONS

Adopted April 1, 2016

The following RECURRING SPECIAL PROVISIONS indicated by an "X" are applicable to this contract and are included by reference:

RECURRING SPECIAL PROVISIONS

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FOR
LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS

Adopted April 1, 2016

The following LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS indicated by an "X" are applicable to this contract and are included by reference:

LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS

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STORM SEWER ADJACENT TO OR CROSSING WATER MAIN
Effective: February 1, 1996
Revised: January 1, 2007

This work consists of constructing storm sewer adjacent to or crossing a water main, at the locations shown on the plans. The material and installation requirements shall be according to the latest edition of the "Standard Specifications for Water and Sewer Main Construction in Illinois", and the applicable portions of Section 550 of the Standard Specifications; which may include concrete collars and encasing pipe with seals if required.

Pipe materials shall meet the requirements of Sections 40 and 41-2.01 of the "Standard Specifications for Water and Sewer Main Construction in Illinois", except PVC pipe will not be allowed. Ductile-Iron pipe shall meet the minimum requirements for Thickness Class 50.

Encasing of standard type storm sewer, according to the details for "Water and Sewer Separation Requirements (Vertical Separation)" in the "STANDARD DRAWINGS" Division of the "Standard Specifications for Water and Sewer Main Construction in Illinois", may be used for storm sewers crossing water mains.

Basis of Payment: This work will be paid according to Article 550.10 of the Standard Specifications, except the pay item shall be STORM SEWER (WATER MAIN REQUIREMENTS), of the diameter specified.

TRAFFIC CONTROL AND PROTECTION (ARTERIALS)
Effective: February 1, 1996
Revised: March 1, 2011

Specific traffic control plan details and Special Provisions have been prepared for this contract. This work shall include all labor, materials, transportation, handling and incidental work necessary to furnish, install, maintain and remove all traffic control devices required as indicated in the plans and as approved by the Engineer.

When traffic is to be directed over a detour route, the Contractor shall furnish, erect, maintain and remove all applicable traffic control devices along the detour route according to the details shown in the plans.

Method of Measurement: All traffic control (except Traffic Control and Protection (Expressways) and temporary pavement markings) indicated on the traffic control plan details and specified in the Special Provisions will be measured for payment on a lump sum basis.

Basis of Payment: All traffic control and protection will be paid for at the contract lump sum price for TRAFFIC CONTROL AND PROTECTION (SPECIAL).

Temporary pavement markings will be paid for separately unless shown on a Standard.

ADJUSTMENTS AND RECONSTRUCTIONS
Effective: March 15, 2011

Revise the first paragraph of Article 602.04 to read:

"**602.04 Concrete.** Cast-in-place concrete for structures shall be constructed of Class SI concrete according to the applicable portions of Section 503. Cast-in-place concrete for pavement patching around adjustments and reconstructions shall be constructed of Class PP-1 concrete, unless otherwise noted in the plans, according to the applicable portions of Section 1020."

Revise the third, fourth and fifth sentences of the second paragraph of Article 602.11(c) to read:

"Castings shall be set to the finished pavement elevation so that no subsequent adjustment will be necessary, and the space around the casting shall be filled with Class PP-1 concrete, unless otherwise noted in the plans, to the elevation of the surface of the base course or binder course. HMA surface or binder course material shall not be allowed. The pavement may be opened to traffic according to Article 701.17(e)(3)b."

Revise Article 603.05 to read:

"**603.05 Replacement of Existing Flexible Pavement.** After the castings have been adjusted, the surrounding space shall be filled with Class PP-1 concrete, unless otherwise noted in the plans, to the elevation of the surface of the base course or binder course. HMA surface or binder course material shall not be allowed. The pavement may be opened to traffic according to Article 701.17(e)(3)b."

Revise Article 603.06 to read:

"**603.06 Replacement of Existing Rigid Pavement.** After the castings have been adjusted, the pavement and HMA that was removed, shall be replaced with Class PP-1 concrete, unless otherwise noted in the plans, not less than 9 in. (225 mm) thick. The pavement may be opened to traffic according to Article 701.17(e)(3)b.

The surface of the Class PP concrete shall be constructed flush with the adjacent surface."

Revise the first sentence of Article 603.07 to read:

"**603.07 Protection Under Traffic.** After the casting has been adjusted and the Class PP concrete has been placed, the work shall be protected by a barricade and two lights according to Article 701.17(e)(3)b."

COARSE AGGREGATE FOR BACKFILL, TRENCH BACKFILL AND BEDDING (D-1)

Effective: November 1, 2011

This work shall be according to Section 1004.05 of the Standard Specifications except for the following:

> Reclaimed Asphalt Pavement (RAP) maybe blended with gravel, crushed gravel, crushed stone crushed concrete, crushed slag, chats, crushed sand stone or wet bottom boiler slag. The RAP materials shall be crushed and screened. Unprocessed RAP grindings will not be permitted. The RAP shall be uniformly graded and shall pass the 1.0 in. (25 mm) screen. When RAP is blended with any of the coarse aggregate listed above, the blending shall be done mechanically with calibrated feeders. The feeders shall have an accuracy of $\pm$ 2.0 percent of the actual quantity of material delivered. The final blended product shall not contain more than 40 percent by weight RAP.

The coarse aggregate listed above shall meet CA 6 and CA 10 gradations prior to being blended with the processed and uniformly graded RAP.

DRAINAGE AND INLET PROTECTION UNDER TRAFFIC (DISTRICT 1)

Effective: April 1, 2011
Revised: April 2, 2011

Add the following to Article 603.02 of the Standard Specifications:

"(i) Temporary Hot-Mix Asphalt (HMA) Ramp (Note 1) ……. 1030
(j) Temporary Rubber Ramps (Note 2)

Note 1. The HMA shall have maximum aggregate size of 3/8 in. (95 mm).

Note 2. The rubber material shall be according to the following.

Property	Test Method	Requirement
Durometer Hardness, Shore A	ASTM D 2240	75 ±15
Tensile Strength, psi (kPa)	ASTM D 412	300 (2000) min
Elongation, percent	ASTM D 412	90 min
Specific Gravity	ASTM D 792	1.0 - 1.3
Brittleness, °F (°C)	ASTM D 746	-40 (-40)"

Revise Article 603.07 of the Standard Specifications to read:

"**603.07 Protection Under Traffic.** After the casting has been adjusted and the Class PP concrete has been placed, the work shall be protected by a barricade and two lights according to Article 701.17(e)(3)b.

When castings are under traffic before the final surfacing operation has been started, properly sized temporary ramps shall be placed around the drainage and/or utility castings according to the following methods.

(a) Temporary Asphalt Ramps. Temporary hot-mix asphalt ramps shall be placed around the casting, flush with its surface and decreasing to a featheredge in a distance of 2 ft (600 mm) around the entire surface of the casting.

(b) Temporary Rubber Ramps. Temporary rubber ramps shall only be used on roadways with permanent posted speeds of 40 mph or less and when the height of the casting to be protected meets the proper sizing requirements for the rubber ramps as shown below.

Dimension	Requirement
Inside Opening	Outside dimensions of casting + 1 in. (25 mm)
Thickness at inside edge	Height of casting ± 1/4 in. (6 mm)

Thickness at outside edge	1/4 in. (6 mm) max.
Width, measured from inside opening to outside edge	8 1/2 in. (215 mm) min

Placement shall be according to the manufacturer's specifications.

Temporary ramps for castings shall remain in place until surfacing operations are undertaken within the immediate area of the structure. Prior to placing the surface course, the temporary ramp shall be removed. Excess material shall be disposed of according to Article 202.03."

BDE SPECIAL PROVISIONS
For the April 28 and June 16, 2017 Lettings

The following special provisions indicated by an "x" are applicable to this contract and will be included by the Project Development and Implementation Section of the BD&E. An * indicates a new or revised special provision for the letting.

	File Name	#		Special Provision Title	Effective	Revised
	80099	1		Accessible Pedestrian Signals (APS)	April 1, 2003	Jan. 1, 2014
*	80382	2		Adjusting Frames and Grates	April 1, 2017	
	80274	3		Aggregate Subgrade Improvement	April 1, 2012	April 1, 2016
	80192	4		Automated Flagger Assistance Device	Jan. 1, 2008	
	80173	5		Bituminous Materials Cost Adjustments	Nov. 2, 2006	July 1, 2015
	80241	6		Bridge Demolition Debris	July 1, 2009	
	5026I	7		Building Removal-Case I (Non-Friable and Friable Asbestos)	Sept. 1, 1990	April 1, 2010
	5048I	8		Building Removal-Case II (Non-Friable Asbestos)	Sept. 1, 1990	April 1, 2010
	5049I	9		Building Removal-Case III (Friable Asbestos)	Sept. 1, 1990	April 1, 2010
	5053I	10		Building Removal-Case IV (No Asbestos)	Sept. 1, 1990	April 1, 2010
	80366	11		Butt Joints	July 1, 2016	
	80198	12		Completion Date (via calendar days)	April 1, 2008	
	80199	13		Completion Date (via calendar days) Plus Working Days	April 1, 2008	
	80293	14		Concrete Box Culverts with Skews > 30 Degrees and Design Fills ≤ 5 Feet	April 1, 2012	July 1, 2016
	80311	15		Concrete End Sections for Pipe Culverts	Jan. 1, 2013	April 1, 2016
	80277	16		Concrete Mix Design – Department Provided	Jan. 1, 2012	April 1, 2016
	80261	17	X	Construction Air Quality – Diesel Retrofit	June 1, 2010	Nov. 1, 2014
	80029	18		Disadvantaged Business Enterprise Participation	Sept. 1, 2000	July 2, 2016
	80378	19		Dowel Bar Inserter	Jan. 1, 2017	
	80229	20		Fuel Cost Adjustment	April 1, 2009	July 1, 2015
	80304	21		Grooving for Recessed Pavement Markings	Nov. 1, 2012	Aug. 1, 2014
	80246	22		Hot-Mix Asphalt – Density Testing of Longitudinal Joints	Jan. 1, 2010	April 1, 2016
*	80347	23		Hot-Mix Asphalt – Pay for Performance Using Percent Within Limits – Jobsite Sampling	Nov. 1, 2014	April 1, 2017
*	80383	24		Hot-Mix Asphalt – Quality Control for Performance	April 1, 2017	
	80376	25		Hot-Mix Asphalt – Tack Coat	Nov. 1, 2016	
	80367	26		Light Poles	July 1, 2016	
	80368	27		Light Tower	July 1, 2016	
	80336	28		Longitudinal Joint and Crack Patching	April 1, 2014	April 1, 2016
	80369	29		Mast Arm Assembly and Pole	July 1, 2016	
	80045	30		Material Transfer Device	June 15, 1999	Aug. 1, 2014
	80165	31		Moisture Cured Urethane Paint System	Nov. 1, 2006	Jan. 1, 2010
	80349	32		Pavement Marking Blackout Tape	Nov. 1, 2014	April 1, 2016
	80371	33	X	Pavement Marking Removal	July 1, 2016	
*	80377	34		Portable Changeable Message Signs	Nov. 1, 2016	April 1, 2017
	80359	35		Portland Cement Concrete Bridge Deck Curing	April 1, 2015	Jan. 1, 2017
	80338	36		Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching	April 1, 2014	April 1, 2016
	80300	37		Preformed Plastic Pavement Marking Type D - Inlaid	April 1, 2012	April 1, 2016
	80328	38		Progress Payments	Nov. 2, 2013	
	3426I	39		Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2006
	80157	40		Railroad Protective Liability Insurance (5 and 10)	Jan. 1, 2006	
	80306	41		Reclaimed Asphalt Pavement (RAP) and Reclaimed Asphalt Shingles (RAS)	Nov. 1, 2012	April 1, 2016
	80340	42		Speed Display Trailer	April 2, 2014	Jan. 1, 2017
	80127	43		Steel Cost Adjustment	April 2, 2004	July 1, 2015
	80379	44		Steel Plate Beam Guardrail	Jan. 1, 2017	

	File Name	#		Special Provision Title	Effective	Revised
	80317	45		Surface Testing of Hot-Mix Asphalt Overlays	Jan. 1, 2013	April 1, 2016
*	80298	46	X	Temporary Pavement Marking (NOTE: This special provision was previously named *"Pavement Marking Tape Type IV"*.)	April 1, 2012	April 1, 2017
	20338	47		Training Special Provisions	Oct. 15, 1975	
	80318	48		Traversable Pipe Grate	Jan. 1, 2013	April 1, 2014
	80381	49		Traffic Barrier Terminal, Type 1 Special	Jan. 1, 2017	
	80380	50		Tubular Markers	Jan. 1, 2017	
	80288	51		Warm Mix Asphalt	Jan. 1, 2012	April 1, 2016
	80302	52		Weekly DBE Trucking Reports	June 2, 2012	April 2, 2015
	80289	53		Wet Reflective Thermoplastic Pavement Marking	Jan. 1, 2012	
	80071	54		Working Days	Jan. 1, 2002	

The following special provisions are in the 2017 Supplemental Specifications and Recurring Special Provisions.

File Name	Special Provision Title	New Location	Effective	Revised
80360	Coarse Aggregate Quality	Article 1004.01	July 1, 2015	
80363	Engineer's Field Office	Article 670.07	April 1, 2016	
80358	Equal Employment Opportunity	Recurring CS #1 and #5	April 1, 2015	
80364	Errata for the 2016 Standard Specifications	Supplemental	April 1, 2016	
80342	Mechanical Side Tie Bar Inserter	Articles 420.03, 420.05, and 1103.19	Aug. 1, 2014	April 1, 2016
80370	Mechanical Splicers	Article 1006.10	July 1, 2016	
80361	Overhead Sign Structures Certification of Metal Fabricator	Article 106.08	Nov. 1, 2015	April 1, 2016
80365	Pedestrian Push-Button	Article 888.03	April 1, 2016	
80353	Portland Cement Concrete Inlay or Overlay	Recurring CS #34	Jan. 1, 2015	April 1, 2016
80372	Preventive Maintenance – Bituminous Surface Treatment (A-1)	Recurring CS #28	Jan. 1, 2009	July 1, 2016
80373	Preventive Maintenance – Cape Seal	Recurring CS #29	Jan. 1, 2009	July 1, 2016
80374	Preventive Maintenance – Micro-Surfacing	Recurring CS #30	Jan. 1, 2009	July 1, 2016
80375	Preventive Maintenance – Slurry Seal	Recurring CS #31	Jan. 1, 2009	July 1, 2016
80362	Steel Slag in Trench Backfill	Articles 1003.01 and 1003.04	Jan. 1, 2016	
80355	Temporary Concrete Barrier	Articles 704.02, 704.04, 704.05, and 704.06	Jan. 1, 2015	July 1, 2015

The following special provisions require additional information from the designer. The additional information needs to be included in a separate document attached to this check sheet. The Project Development and Implementation section will then include the information in the applicable special provision. The Special Provisions are:

- Bridge Demolition Debris
- Building Removal - Case I
- Building Removal – Case II
- Building Removal - Case III
- Building Removal-Case IV
- Completion Date
- Completion Date Plus Working Days
- DBE Participation
- Material Transfer Device
- Railroad Protective Liability Insurance
- Training Special Provisions
- Working Days

CONSTRUCTION AIR QUALITY – DIESEL RETROFIT (BDE)

The reduction of emissions of particulate matter (PM) for off-road equipment shall be accomplished by installing retrofit emission control devices. The term "equipment" refers to diesel fuel powered devices rated at 50 hp and above, to be used on the jobsite in excess of seven calendar days over the course of the construction period on the jobsite (including rental equipment).

Contractor and subcontractor diesel powered off-road equipment assigned to the contract shall be retrofitted using the phased in approach shown below. Equipment that is of a model year older than the year given for that equipment's respective horsepower range shall be retrofitted:

Effective Dates	Horsepower Range	Model Year
June 1, 2010 1/	600-749	2002
	750 and up	2006
June 1, 2011 2/	100-299	2003
	300-599	2001
	600-749	2002
	750 and up	2006
June 1, 2012 2/	50-99	2004
	100-299	2003
	300-599	2001
	600-749	2002
	750 and up	2006

1/ Effective dates apply to Contractor diesel powered off-road equipment assigned to the contract.

2/ Effective dates apply to Contractor and subcontractor diesel powered off-road equipment assigned to the contract.

The retrofit emission control devices shall achieve a minimum PM emission reduction of 50 percent and shall be:

a) Included on the U.S. Environmental Protection Agency (USEPA) *Verified Retrofit Technology List* (http://www.epa.gov/cleandiesel/verification/verif-list.htm), or verified by the California Air Resources Board (CARB) (http://www.arb.ca.gov/diesel/verdev/vt/cvt.htm); or

b) Retrofitted with a non-verified diesel retrofit emission control device if verified retrofit emission control devices are not available for equipment proposed to be used on the project, and if the Contractor has obtained a performance certification from the retrofit device manufacturer that the emission control device provides a minimum PM emission reduction of 50 percent.

Note: Large cranes (Crawler mounted cranes) which are responsible for critical lift operations are exempt from installing retrofit emission control devices if such devices adversely affect equipment operation.

Diesel powered off-road equipment with engine ratings of 50 hp and above, which are unable to be retrofitted with verified emission control devices or if performance certifications are not available which will achieve a minimum 50 percent PM reduction, may be granted a waiver by the Department if documentation is provided showing good faith efforts were made by the Contractor to retrofit the equipment.

Construction shall not proceed until the Contractor submits a certified list of the diesel powered off-road equipment that will be used, and as necessary, retrofitted with emission control devices. The list(s) shall include (1) the equipment number, type, make, Contractor/rental company name; and (2) the emission control devices make, model, USEPA or CARB verification number, or performance certification from the retrofit device manufacturer. Equipment reported as fitted with emissions control devices shall be made available to the Engineer for visual inspection of the device installation, prior to being used on the jobsite.

The Contractor shall submit an updated list of retrofitted off-road construction equipment as retrofitted equipment changes or comes on to the jobsite. The addition or deletion of any diesel powered equipment shall be included on the updated list.

If any diesel powered off-road equipment is found to be in non-compliance with any portion of this special provision, the Engineer will issue the Contractor a diesel retrofit deficiency deduction.

Any costs associated with retrofitting any diesel powered off-road equipment with emission control devices shall be considered as included in the contract unit prices bid for the various items of work involved and no additional compensation will be allowed. The Contractor's compliance with this notice and any associated regulations shall not be grounds for a claim.

Diesel Retrofit Deficiency Deduction

When the Engineer determines that a diesel retrofit deficiency exists, a daily monetary deduction will be imposed for each calendar day or fraction thereof the deficiency continues to exist. The calendar day(s) will begin when the time period for correction is exceeded and end with the Engineer's written acceptance of the correction. The daily monetary deduction will be $1,000.00 for each deficiency identified.

The deficiency will be based on lack of diesel retrofit emissions control.

If a Contractor accumulates three diesel retrofit deficiency deductions for the same piece of equipment in a contract period, the Contractor will be shutdown until the deficiency is corrected. Such a shutdown will not be grounds for any extension of the contract time, waiver of penalties, or be grounds for any claim.

PAVEMENT MARKING REMOVAL (BDE)

Effective: July 1, 2016

Revise Article 783.02 of the Standard Specifications to read:

"**783.02 Equipment.** Equipment shall be according to the following.

Item	Article/Section
(a) Grinders (Note 1)	
(b) Water Blaster with Vacuum Recovery	1101.12

Note 1. Grinding equipment shall be approved by the Engineer."

Revise the first paragraph of Article 783.03 of the Standard Specifications to read:

"**783.03 Removal of Conflicting Markings.** Existing pavement markings that conflict with revised traffic patterns shall be removed. If darkness or inclement weather prohibits the removal operations, such operations shall be resumed the next morning or when weather permits. In the event of removal equipment failure, such equipment shall be repaired, replaced, or leased so removal operations can be resumed within 24 hours."

Revise the first and second sentences of the first paragraph of Article 783.03(a) of the Standard Specifications to read:

"The existing pavement markings shall be removed by the method specified and in a manner that does not materially damage the surface or texture of the pavement or surfacing. Small particles of tightly adhering existing markings may remain in place, if in the opinion of the Engineer, complete removal of the small particles will result in pavement surface damage."

Revise the first paragraph of Article 783.04 of the Standard Specifications to read:

"**783.04 Cleaning.** The roadway surface shall be cleaned of debris or any other deleterious material by the use of compressed air or water blast."

Revise the first paragraph of Article 783.06 of the Standard Specifications to read:

"**783.06 Basis of Payment.** This work will be paid for at the contract unit price per each for RAISED REFLECTIVE PAVEMENT MARKER REMOVAL, or at the contract unit price per square foot (square meter) for PAVEMENT MARKING REMOVAL – GRINDING and/or PAVEMENT MARKING REMOVAL – WATER BLASTING."

Delete Article 1101.13 from the Standard Specifications.

City of Wheaton Distribution Specifications – As of April 5, 2017

All Materials shall be as specified below or approved equal, be produced in North America and be the current year model. All brass shall be "No-lead", meeting the requirements of the Reduction of Lead in Drinking Water Act.

Water main

Unless approved in writing all water main shall be 8" minimum size Class 52 Zinc-coated Ductile Iron pipe.

If PVC water main is allowed, it must be approved in writing and shall be Certa-Lok PVC or equal. The design shall include two #10 Solid Insulated Copper tracer wires that terminate in a Valvco Inc. Tracer Wire Access Box at each end. Shop drawings of the tracer wires must be submitted and approved for all PVC water main.

Polyethylene Wrap – Required on all Water Main Installations

1. All ductile iron water main and fittings shall be encased with linear low density V-Bio Enhanced polyethylene wrap, 8 mils thick. Polyethylene wrap shall be secured with polyethylene tape at overlaps, ends, and every four feet along the pipe barrel.

Fire Hydrants

1. Mueller Centurian A-421, 4½ inch valve opening with 6-inch flange x mechanical A2360 resilient wedge valve attached. All bolts shall be stainless steel on all valves and hydrants.

Gate Valves

1. Mueller A2360-23 (4-inch through 12-inch) or A2361-23 (16-inch) resilient wedge gate valve
   OR
2. American Flow Control Series 2500 resilient wedge valve

Mechanical Joints

1. EBAA Iron Megalug mechanical joint restraint gland

Tapping Valves

1. Mueller A2360-19 flange x mechanical joint resilient wedge valve
   OR
2. American Flow Control Series 2500 flange x mechanical joint resilient wedge valve

Tapping Sleeves – All Pressure Connections 4" to 8" Shall Be Done By The City Of Wheaton

1. Smith-Blair 665 stainless steel tapping sleeve with stainless steel flange
   OR
2. Ford FTSS stainless tapping sleeve with stainless steel flange

Valve Boxes

1. Tyler Union 664S screw type cast iron two-piece valve box
   Note: Plastic valve boxes or plastic extensions **are not** allowed
2. Valve Box Adaptor II
   a. Type A Gate Valves – 4"-6" Mueller, 4"-6"-8" AFC
   b. Type B Gate Valves – 8" Mueller, 10"-12" AFC
   c. Type D Gate Valves – 10" Mueller
   d. Type E Gate Valves – 12" Mueller, 16" AFC
3. Valve box extensions shall be Tyler Union #58, #60 or Tyler Union #69 riser.

End Caps

1. Class “A” pipe: Tyler Union Mechanical Joint Cap.

   Class “B-C-D” pipe: Tyler Union MJ x PE Dual-Purpose Cutting-in Sleeve with Tyler Union Mechanical Joint Cap.

Service Fittings

1. **Corporation Cock**
   a. Mueller 300 Ball Corporation Valve B-25000N
   OR
   b. Ford Corporation Stops FB600-*size*-NL

2. **Corporation Cock Quarter and Eighth Bends – ¾", 1", 1 ¼”, 1 ½” and 2"**
   a. Mueller brass with compression ends and swivel nut. Flare nut, non-swivel accepted on sizes where others aren’t made. Mueller P-15075N, P-15076N
   OR
   b. Ford brass with compression ends and swivel nut. Flare nut, non-swivel accepted on sizes where others aren’t made. Ford LA04-*size*-NL, L04-*size*-NL.

3. **Curb Stop**
   a. Mueller 300 Ball Curb Valve P-25155N
   OR
   b. Ford Ball Valve Curb Stop B44-*size*M-NL

4. **Curb Box**
   a. Mueller H-10300 curb box with Minneapolis Pattern Base.

5. **Service Saddles**
   a. Smith-Blair Model 317 Epoxy Coated Ductile Iron with double stainless steel strap.

PRODUCT INFORMATION AND SPECIFICATIONS

The Contractor shall use the following specified products as enclosed herein or approved equal.

1. Valve Box Adaptor II
2. Infi-Shield Uni-Band
3. Canusa Wrap – Pipe Wrap
4. Infra-RISER Rubber Adjustment Riser
5. Catch-All Inlet Protector

Valve Box Adaptor II

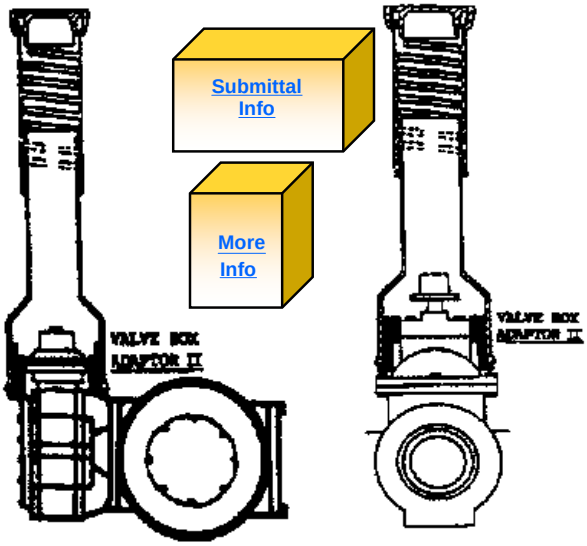
Municipal water utilities and contractors have benefited over the years from the use of the Valve Box Adaptor II.

The Valve Box Adaptor II has eliminated improper keying of the valves due to settling and shifting of the valve box.

Using the Valve Box Adaptor II has proven to be a cost effective product for water utilities. It has reduced future budget costs by eliminating the excavation and resetting of the valve box.

Advantages

- **Eliminates settling and shifting of the gate and butterfly valve boxes.**
- **Protects epoxy coating on valves.**
- **Centers valve box over operating nut.**
- **Seals valve box with a resilient material.**
- **Cost effective**



SERVING THE WATER & SEWER INDUSTRY
ADAPTOR INC.
AMERICAN MADE PRODUCTS
SINCE 1976

Products

Home

More Products

Valve Box Adaptor II Specs

All valve boxes shall be installed upon the valve with the use of a Valve Box Adaptor II as manufactured by Adaptor Inc. or an approved equal. The adaptor shall be installed in lieu of hardwood blocking and shall be incidental to the valve and box installations.

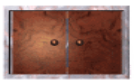
Manufactured from a rubber compound.

Type	Valve & Size
A	AFC 3”- 8” Mueller 4”, 6” Matco 12”
B	AFC 10”, 12” Mueller 8”
C	Kennedy/Clow/M&H 4”- 8” East Jordan 6”
D	Mueller 10”
E	Kennedy/Clow/M&H 10”- 16” Mueller 12” AFC 16” East Jordan 8”
F	East Jordan 10”, 12” Mueller 2”, 2 1/2”
G	Mueller 3” Matco 8”
A-EJ	East Jordan 4” AVK 6”
A-Matco	Matco 6”
B-Matco	Matco 4”
D-Matco	Matco 10”
H-Matco	Matco 3”
I-Matco	Matco 2”
H-AVK	AVK 2 1/2”- 4”
C-AVK	AVK 8”- 16”
I-AVK	AVK 2”

The Valve Box Adaptor II are made for a Tyler box or equal.

Manufactured for all types and sizes of Gate Valve, Butterfly Valves and valve boxes for water, gas and wastewater valves.

***If using a Bibby box call for sizing and prices.



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More Products

For more info on pricing or your local distributor contact Adaptor Inc.

INFI-SHIELD®

UNI-BAND

SPECIFICATION FOR MANHOLE ADJUSTMENT RINGS
Patent Pending

PART I - GENERAL

1.01 SCOPE
This section shall include the complete Uni-Band seal manhole sealing system. The sealing system shall prevent leakage of water into the manhole through the frame joint area and through the adjustment ring area.

1.02 MATERIALS TO BE FURNISHED
All materials required for the installation of the Uni-Band manhole sealing system shall be furnished by the Contractor and shall be new, of first grade, and shall be of reputable manufacturers known to the trade.

PART II - PRODUCTS

2.01 GENERAL
The casting shall be sealed to the structure with a Uni-Band sealing system as manufactured by Sealing Systems, Inc. (800-478-2054) or approved equal. The seal shall be a continuous seamless band made of high quality EPDM (Ethylene Propylene Diene Monomer) rubber with a minimum thickness of 65 mils. There shall be a preformed L shaped corner molded into the top of the seal. The top section and the side section will extend from the L shaped corner at a generally 90-degree angle to each other. Wherein the seal is preformed in substantially the same shape as when attached to the manhole structure. The thickness of the L shaped corner extending 1" into the top section and 1" down the side section is increased and may be at least twice the thickness of the top section reinforcing the seal at this particular area. There shall be a 2" to 3" wide strip of butyl mastic attached to the underside of top section of the seal. There shall be a 2" wide strip of butyl mastic attached to the inside of the side section at the bottom of the seal. The mastic shall be non-hardening butyl rubber sealant, with a minimum thickness of 1/8", and shall seal to the cone/top of the manhole section and over the flange of the casting frame. An aerosol primer shall be used to enhance the bond strength of the seal to the structure.

PART III - EXECUTION

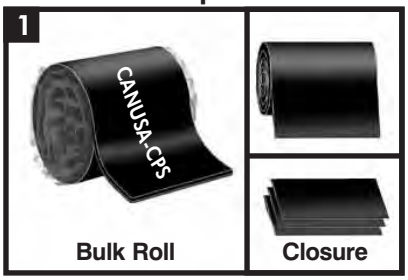
3.01 INSTALLATION
The Uni-Band seal sealing system shall be installed according to the manufacturers recommendations. The top section of the seal shall extend 3" attaching to the casting base/flange with the side section covering over the entire grade adjustment ring area and onto the cone section a minimum of 2".

CanusaWrap™

Two-piece protective bulk roll with separate closure

Product Description

1



CanusaWrap™ is typically shipped in bulk rolls. The adhesive is protected from contamination by an inner liner. Closures are shipped either in bulk rolls or pre-cut.

Storage & Safety Guidelines

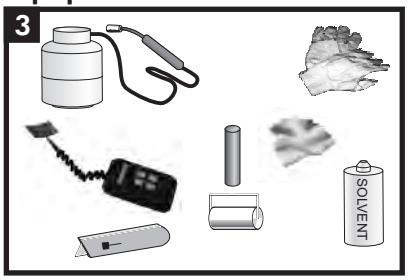
2

To ensure maximum performance, store Canusa products in a dry, ventilated area. Keep products sealed in original cartons and avoid exposure to direct sunlight, rain, snow, dust or other adverse environmental elements. Avoid prolonged storage at temperatures above 35°C *(95°F)* or below -20°C *(-4°F)*. Product installation should be done in accordance with local health and safety regulations.

These installation instructions are intended as a guide for standard products. Consult your Canusa representative for specific projects or unique applications.

Equipment List

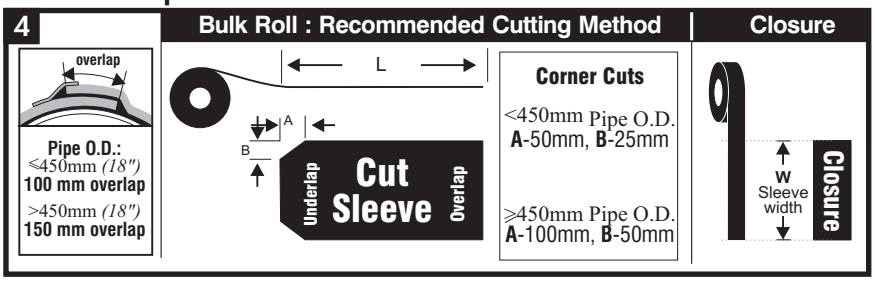
3



Propane tank, hose, torch & regulator
Appropriate tools for surface abrasion
Knife, roller, rags & approved solvent cleanser
Digital thermometer with suitable probe
Standard safety equipment; gloves, goggles, hard hat, etc.

Product Preparation Guidelines

4



As a guideline,cut the required lengths of Sleeve material (L)and Closure material (W) from the bulk roll as follows

L = Coated Pipe circumference + overlap dimension

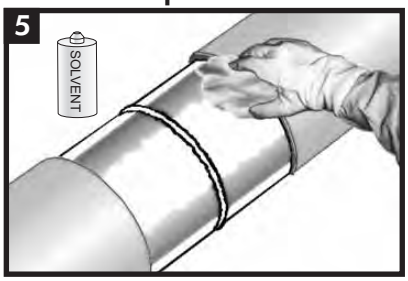
W = Sleeve Width

Ensure that the sleeve and closure are not damaged or contaminated. Trim corners as shown .

Please see **"CanusaWrap™ Sleeve Cutting Guideline"** for more information on alternative cutting methods.

Surface Preparation

5



Ensure that the PE coating edges are beveled to 30°. Clean exposed steel and adjacent pipe coating with a solvent cleanser to remove the presence of oil, grease, and other contaminants.

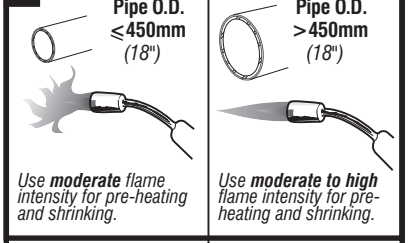
Surface Preparation and Pre-Heat Chart

6

	Standard Sleeves		Surface Preparation				Min. Pre-Heat Temp.
			SIS Standard		*SSPC Standard*		°C *(°F)*
			Minimum	Preferred	Minimum	Preferred	
Mastic	WLG	WTG	St2	**Sa2**	SP2	**SP6**	**50** *(122)*
	WLC	WTC	St2	**Sa2**	SP2	**SP6**	**60** *(140)*
	WLS	WTS	St2	**Sa2**	SP2	**SP6**	**65** *(150)*
	WLO	WTO	St2	**Sa2**	SP2	**SP6**	**75** *(167)*
	WLON	WTON	St2	**Sa2**	SP2	**SP6**	**75** *(167)*
	WLNN	WTNN	St3	**Sa2½**	SP3	**SP10**	**90** *(195)*
Hot Melt	WLA		St3	**Sa2½**	SP3	**SP10**	**60** *(140)*
	WLAS		St3	**Sa2½**	SP3	**SP10**	**90** *(195)*

Flame Intensity & Torch Size

7



*Use **moderate** flame intensity for pre-heating and shrinking.*

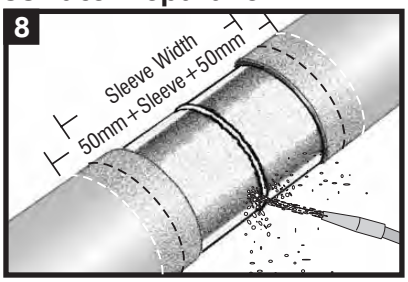
Minimum Torch Size: **150,000 BTU/hr.**

*Use **moderate to high** flame intensity for pre-heating and shrinking.*

Minimum Torch Size: **300,000 BTU/hr.**

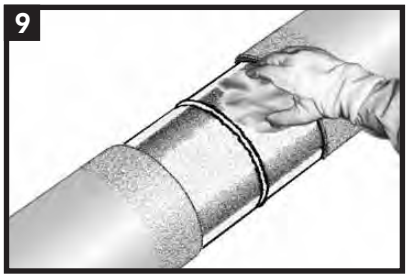
Surface Preparation

8



Ensure that the pipe is dry before cleaning. Prepare the steel joint area using the Surface Preparation and Pre-Heat Chart as a guideline. Lightly abrade the pipe coating adjacent to the cutback area to a distance of 50mm (2") beyond each end of the sleeve width.

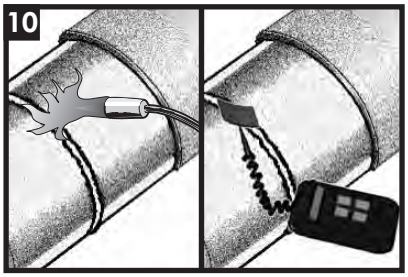
9



Wipe clean or air blast the steel and pipe coating to remove foreign contaminants.

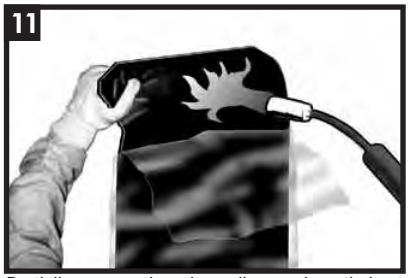
Pre-Heat

10

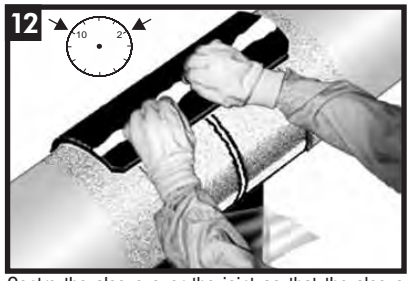


Pre-heat the joint area to the minimum required temperature (see Surface Preparation & Pre-Heat Chart). Using a temperature measuring device, ensure that the correct temperature is reached on the steel and at least 50mm (2") on each side of the sleeve.

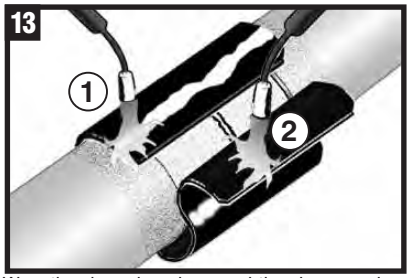
Sleeve Installation



Partially remove the release liner and gently heat the underlap approximately 150 mm (6") from the edge.

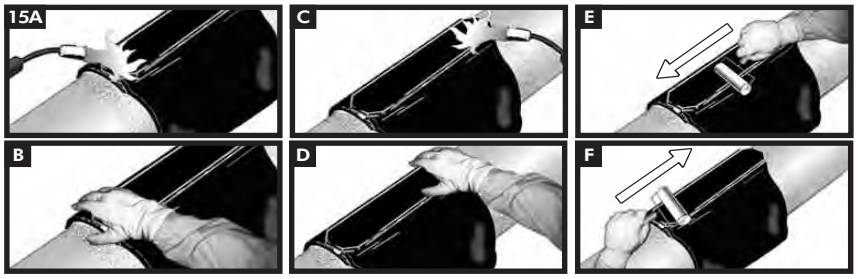


Centre the sleeve over the joint so that the sleeve overlaps between the 10 and 2 o'clock positions. Press the underlap firmly into place and remove the remaining release liner.

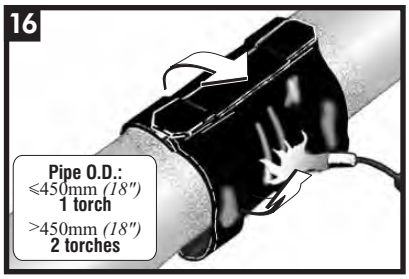


Wrap the sleeve loosely around the pipe, ensuring the appropriate overlap. Gently heat the backing of the underlap and the adhesive side of the overlap. Press the overlap into place.

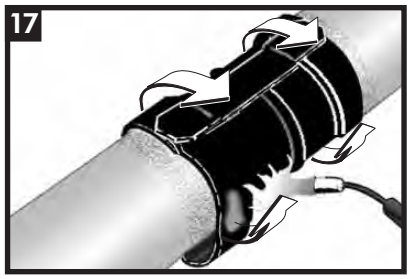
Remove any release liners from the Closure Strip . Centre the closure on the overlapping sleeve. Press down firmly.



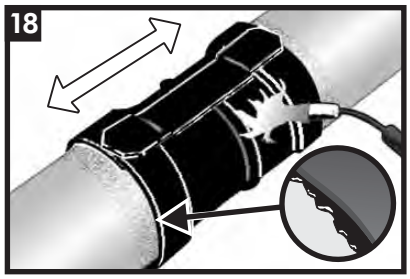
Gently heat the closure and pat it down with a gloved hand. Repeating this procedure, move from one side to the other. Smooth any wrinkles by gently working them outward from the centre of the closure with a roller.



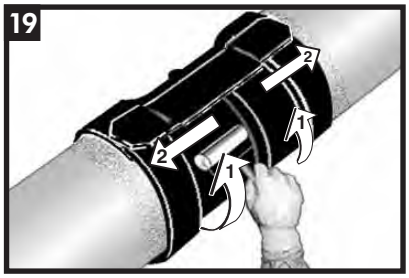
Using the appropriate sized torch, begin at the centre of the sleeve and heat circumferentially around the pipe. Use broad strokes. If utilizing two torches, operators should work on opposite sides of pipe.



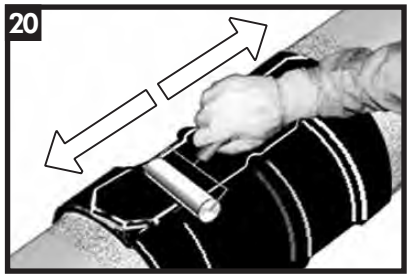
Continue heating from the centre toward one end of the sleeve until recovery is complete. In a similar manner, heat and shrink the remaining side.



Shrinking has been completed when the adhesive begins to ooze at the sleeve edges all around the circumference. Finish shrinking the sleeve with long horizontal strokes over the entire surface to ensure a uniform bond.

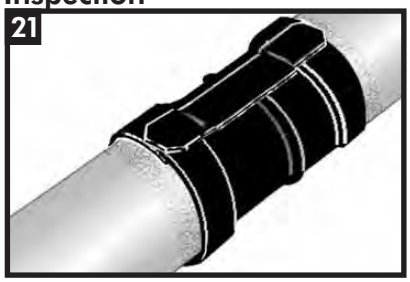


While the sleeve is still hot and soft, use a hand roller to gently roll the sleeve surface and push any trapped air up and out of the sleeve, as shown above. If necessary, reheat to roll out air.



Continue the procedure by also firmly rolling the closure with long horizontal strokes from the weld outwards.

Inspection



Visually inspect the installed sleeve for the following:

- Sleeve is in full contact with the steel joint.
- Adhesive flows beyond both sleeve edges.
- No cracks or holes in sleeve backing.

Backfilling Guidelines

After shrinking is complete, allow the sleeve to cool for 2 hours prior to lowering and backfilling. To prevent damage to the sleeve, use selected backfill material, (no sharp stones or large particles) otherwise an extruded polyethylene mesh or other suitable shield should be used.

CANUSA-CPS
A SHAWCOR COMPANY

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Canusa warrants that the product conforms to its chemical and physical description and is appropriate for the use stated on the installation guide when used in compliance with Canusa's written instructions. Since many installation factors are beyond our control, the user shall determine the suitability of the products for the intended use and assume all risks and liabilities in connection therewith. Canusa's liability is stated in the standard terms and conditions of sale. Canusa makes no other warranty either expressed or implied. All information contained in this installation guide is to be used as a guide and is subject to change without notice. This installation guide supersedes all previous installation guides on this product. E&OE

Printed on recycled paper. Recyclable.

AN INFRA-RISER® SOLUTION FOR EVERY APPLICATION

INFRA-RISER® SHAPES

ROUND	SQUARE	RECTANGULAR
Round with taper	Square with taper	Rectangular with taper

THICKNESS	OPTION
.5″ 1″ 1.5″ 2″ 2.5″ 3″*	Flat Tapered

* Maximum height of stacked INFRA-RISER® composite rubber adjustment riser should not exceed 3″ on any installation.

CONTACT US FOR MORE INFORMATION

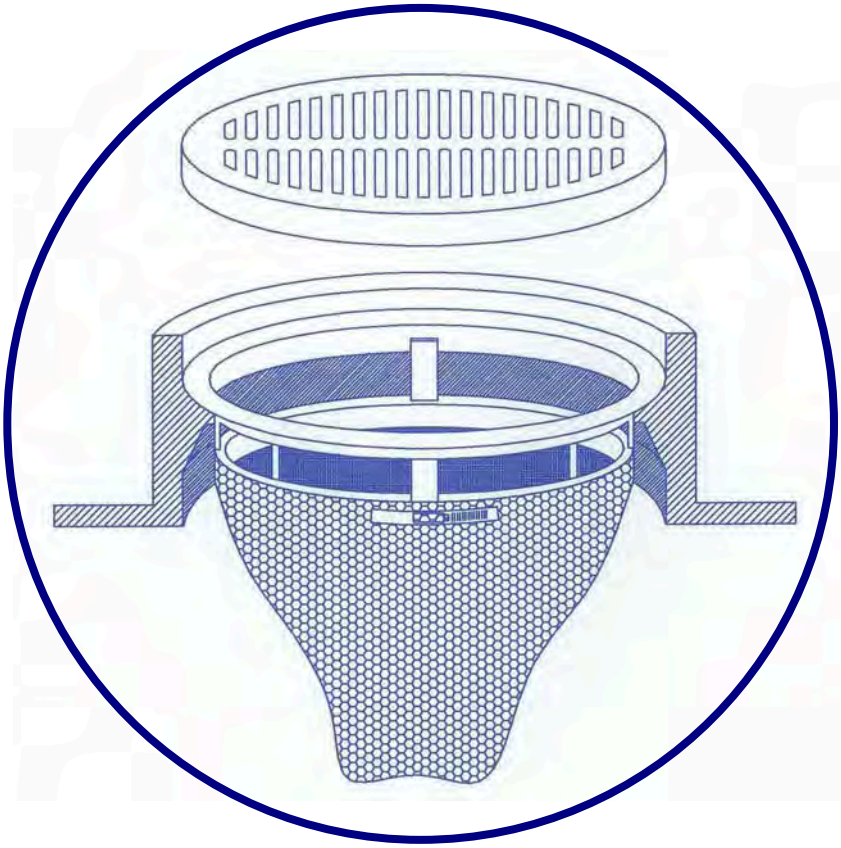
Your local East Jordan Iron Works Representative will provide you with more information on the INFRA-RISER® composite adjustment riser product line, including:

- Technical specifications and drawings for round, square, rectangular or tapered INFRA-RISER® adjustment risers
- Complete listing of available sizes
- Installation procedure for vacuum test

Catch-All

Inlet Protector

Custom fitted to virtually any inlet casting

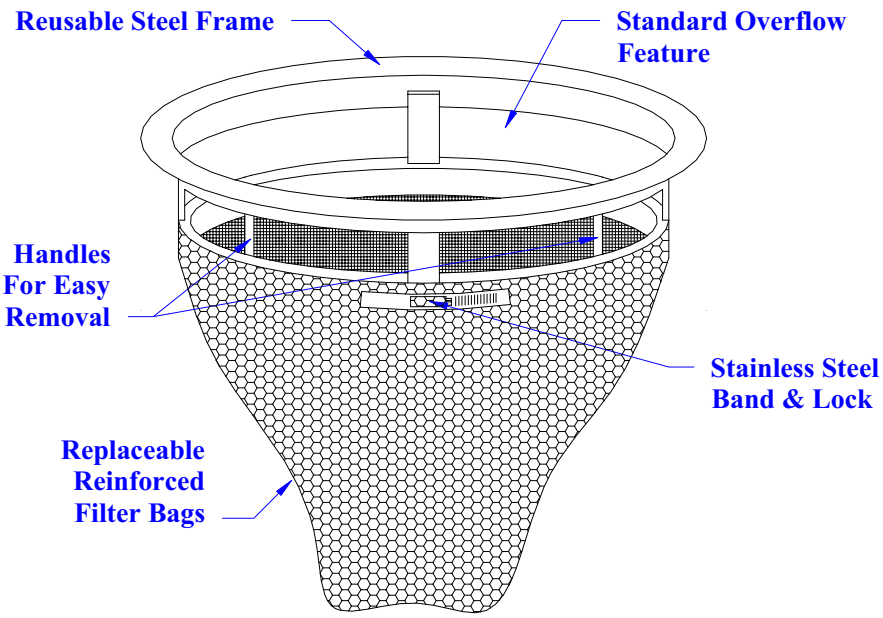


INSTALLED COMPLETELY BELOW THE GRATE

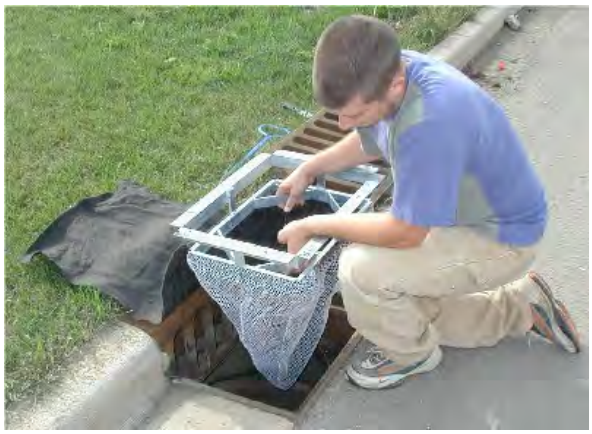
Marathon Materials, Inc.
25523 W. Schultz Street
Plainfield, IL 60544
(800) 983-9493

Distributed by…

Catch-All - **is a manufactured inlet filtration device designed to significantly reduce the ingress of pollutants into stormwater systems, and therefore, improve water quality. Designs are available for a custom fit in virtually any drainage structure casting.**



Catch-All HR **is available to provide the added benefit of hydrocarbon removal.**



Design Benefits

1. Pollution Prevention
   - Sediment Control
2. Pollution Removal
   - Hydrocarbons (Catch-All HR)
   - Total Suspended Sediment
   - Phosphorus*
   - Nitrogen*
   - Heavy Metals*

* *By virtue of sediment control*

Applications

1. Site Development & Highway Construction
   - Inlet Protection / Sediment Control
2. Permanent BMP
   - Maintenance Yards
   - Wash Bays
   - Parking Lots & Garages
   - Airports – Tarmac, Cab/Limo Stands, Rental Returns
   - Bank/Fast Food Drive-Ups
   - Reduce Maintenance of Underground Detention Systems
   - Reduce Maintenance of Underground Oil/Water Separators

SEDIMENT CONTROL, INLET FILTERS

Description: This work shall consist of the furnishing, installation, and removal of a drainage structure inlet filter assembly, consisting of a frame and filter bag, to collect sediment in surface stormwater runoff at locations shown on the plans or as directed by the Engineer.

The Contractor shall inspect the work site and review the plans to determine the number and dimensions of the various types of drainage structure frames (circular and rectangular) into which the inlet filters will be installed prior to ordering materials.

The drainage structure inlet filter assembly shall be installed under the grate on the lip of the drainage structure frame with the fabric bag hanging down into the drainage structure.

The drainage structure inlet filter assembly shall remain in place until final removal of the assembly is directed by the Engineer. The drainage structure inlet filter assembly shall remain the property of the Contractor.

Final removal of the assembly shall include the disposal of debris or silt that has accumulated in the filter bag at the time of final removal. Periodic cleaning of the filter is paid for separately.

Materials: The drainage structure inlet filter shall be the "Catch-All Inlet Protector", as furnished by Marathon Materials, Inc., 25523 W. Schultz St., Plainfield, IL 60544, (800) 983-9493, or approved equal. A detail drawing in the plans depicts the drainage structure inlet filter assembly.

The drainage structure inlet filter assembly consists of a steel frame with a replaceable geotextile fabric bag attached with a steel band with locking cap that is suspended from the frame. A clean used bag and a used steel frame in good condition, meeting the approval of the Engineer, may be substituted for new materials.

The drainage structure inlet filter assembly frame shall be rigid steel meeting the requirements of ASTM-A36. The frame shall include an overflow feature that is welded to the frame's ring. The overflow feature shall be designed to allow full flow of water into the structure if the filter bag is filled with sediment. The dimensions of the assembly frame shall allow the drainage structure grate to fit into the inlet filter assembly frame opening. The assembly frame shall rest on the inside lip of the drainage structure frame for the full variety of existing and proposed drainage structure frames that are present on this contract.

The drainage structure inlet filter assembly bag shall be constructed of a polypropylene geotextile fabric with a minimum weight of 4 ounces per square yard, a minimum flow rate of 145 gallons per minute per square foot, and designed for a minimum silt and debris capacity of 2 cubic feet. The filter bag shall be reinforced with an outer layer of polyester mesh fabric with a minimum weight of 4 ounces per square yard. The filter bag shall be suspended from the steel frame with a stainless steel band and locking cap. The inlet filter assembly frame shall not cause the drainage structure grate to extend higher than 1/8 inch above the drainage structure frame.

Basis of Payment: The work will be paid for at the contract unit price per each for SEDIMENT CONTROL, INLET FILTERS, which price shall include all costs for labor, materials, equipment, and incidentals necessary to perform the work.

SEDIMENT CONTROL, INLET FILTERS CLEANING

Description: This work shall consist of cleaning sediment out of a drainage structure inlet filter when directed by the Engineer. This cleaning work is to be periodically performed as directed by the Engineer, for the duration of the use of each drainage structure inlet filter assembly. The Engineer will be the sole judge of the need for cleaning, based on the rate that debris and silt is collected at each inlet filter location.

Cleaning of the inlet filter shall consist of inspecting, cleaning (includes removal and proper disposal of debris and silt that has accumulated in the filter fabric bag), by vactoring, removing and dumping or any other method approved by the Engineer.

Method of Measurement: Cleaning of the drainage structure inlet filter shall be measured for payment each time that the cleaning work is performed at each of the drainage structure inlet filter locations.

Basis of Payment: The work will be paid for at the contract unit price per each for SEDIMENT CONTROL, INLET FILTERS CLEANING, which price shall include all costs for labor, materials, equipment, and incidentals necessary to perform the work.

Catch-All Inlet Protector

INLET FILTER SYSTEM MATERIALS

I. Non-Woven Polypropylene Filter Geotextile

Property	Test Method	Units	Minimum Average Roll Value (English)
Grab Tensile Strength	ASTM-D-4632	lbs	100
Grab Tensile Elongation	ASTM-D-4632	%	50
Mullen Burst	ASTM-D-3786	psi	225
Puncture	ASTM-D-4833	lbs	65
Trapezoidal Tear	ASTM-D-4533	lbs	45
UV Resistance	ASTM-D-4355	% @ hrs	70 @ 500
Hydraulic			
Apparent Opening Size	ASTM-D-1420	US Sieve	70
Permittvity	ASTM-D-4491	Sec. – 1	2.0
Flow Rate	ASTM-D-4491	Gal/min/ft²	145

II. Reinforcing Polyester Outer Mesh Fabric

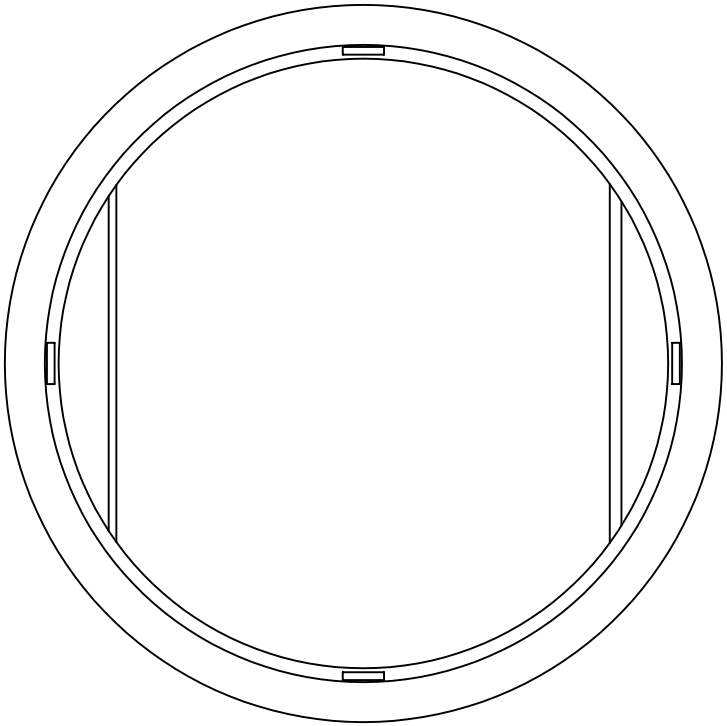
Property	Test Method	Value
Content	ASTM-D-629	Polyester
Weight (oz/yd²)	ASTM-D-3776	4.55 ± 15%
Whales (holes) inch	ASTM-D-3887	7.5 ± 2
Chorses (holes) inch	ASTM-D-3887	15.5 ± 2
Instronball Burst (psi)	ASTM-D-3887	120 min
Thickness	ASTM-D-1777	.040 ± .005

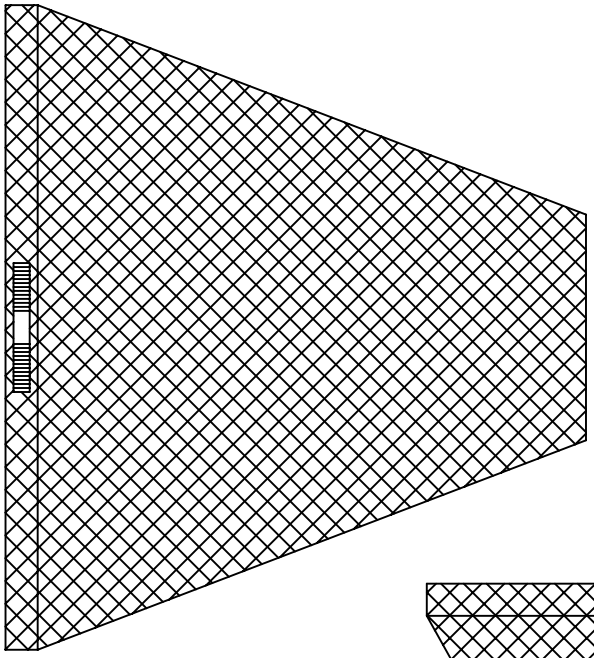
III. HR (*Hydrocarbon Removal*) Pillow Capacities

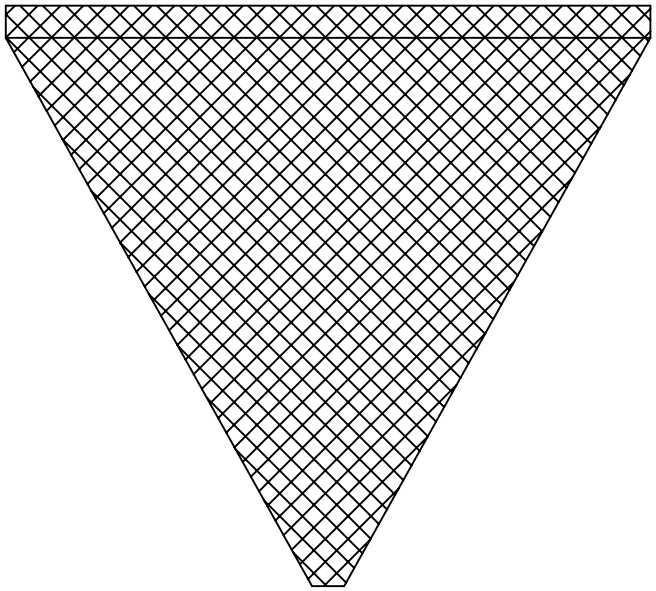
HR Pillow - 2.6 oz. Adsorbent/lf.

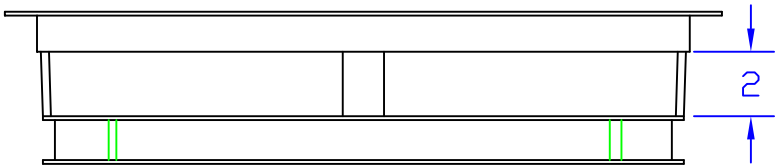
Type of Oil	Capacity by Weight – Oil / Adsorbent
Diesel	10:1
Fuel Oil	9:1
Machine Oil	8:1
30W Motor Oil	7:1

All capacities are rounded down







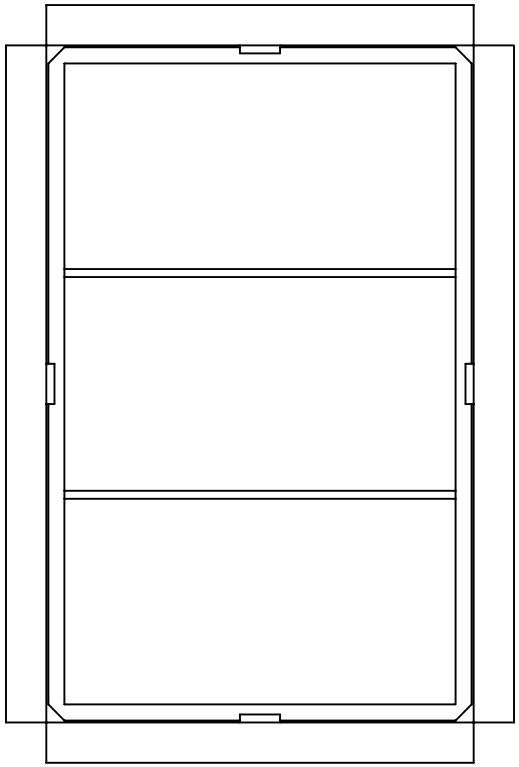


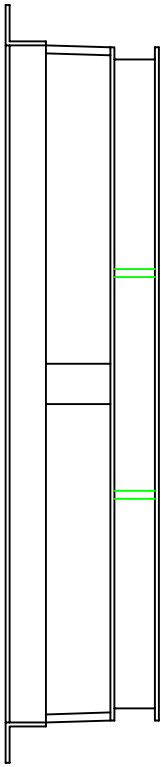
GENERAL NOTES:
FRAME: Top flange fabricated from 1¼"x1¼"x⅛" angle. Base rim fabricated from 1½"x½"x⅛" channel. Handles and suspension brackets fabricated from 1¼"x¼" flat stock. All steel conforming to ASTM-A36.
SEDIMENT BAG: Bag fabricated from 4 oz./sq.yd. non-woven polypropylene geotextile reinforced with polyester mesh. Bag secured to base rim with a stainless steel band and lock.

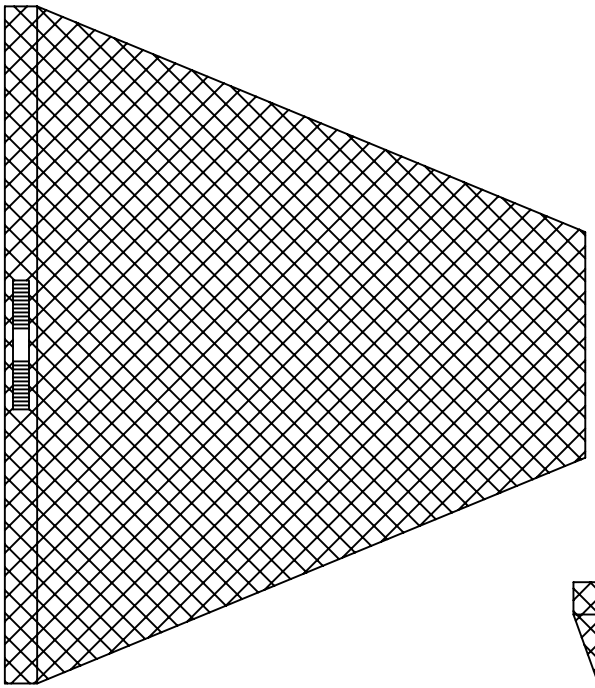
DATE	REVISIONS
01-11-02	Original

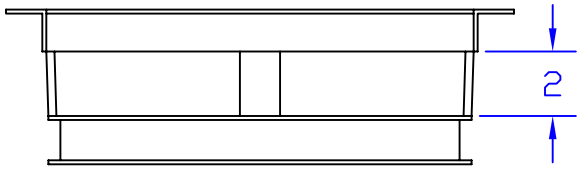
Typical Round
Catch-All

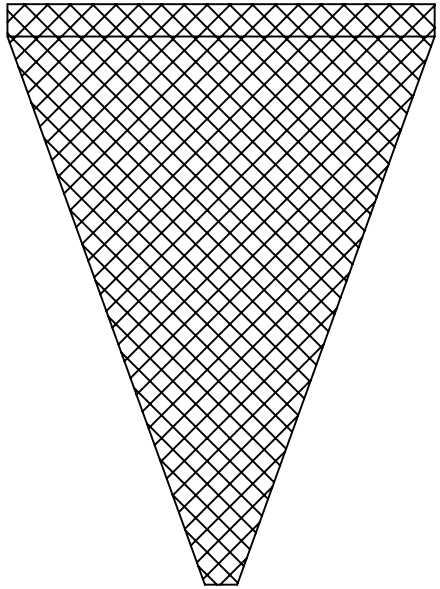
Marathon Materials, Inc.











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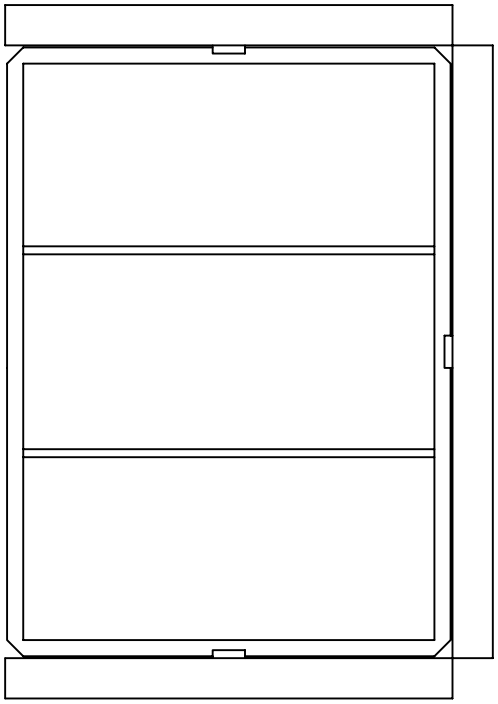
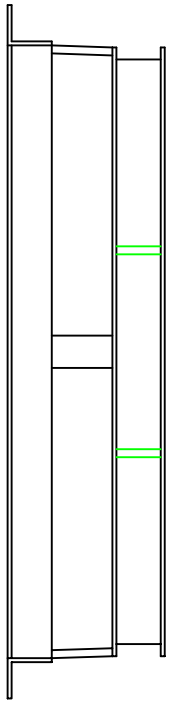
SEDIMENT BAG: Bag fabricated from 4 oz./sq.yd. non-woven polypropylene geotextile reinforced with polyester mesh. Bag secured to base rim with a stainless steel band and lock.

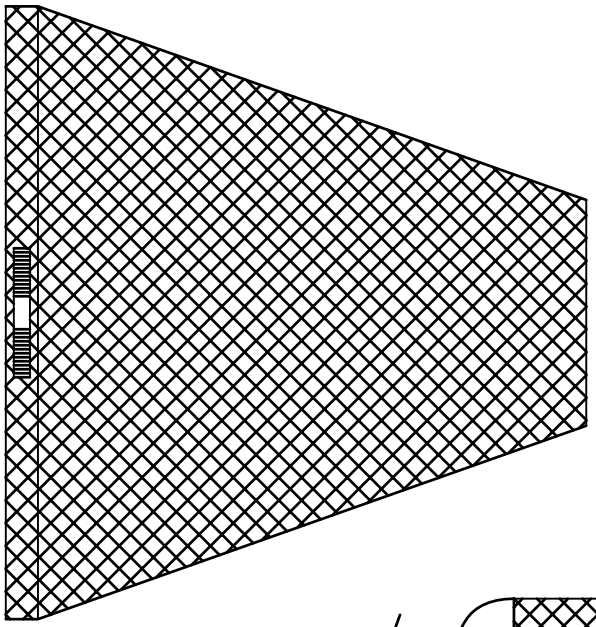
DATE	REVISIONS
01-22-02	Original

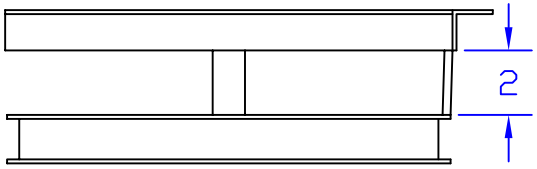
Typical Rectangular Catch-All

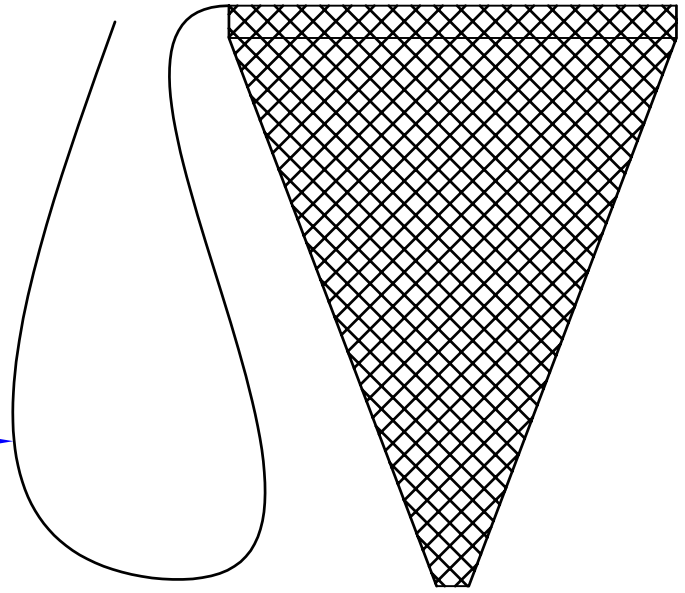
Marathon Materials, Inc.











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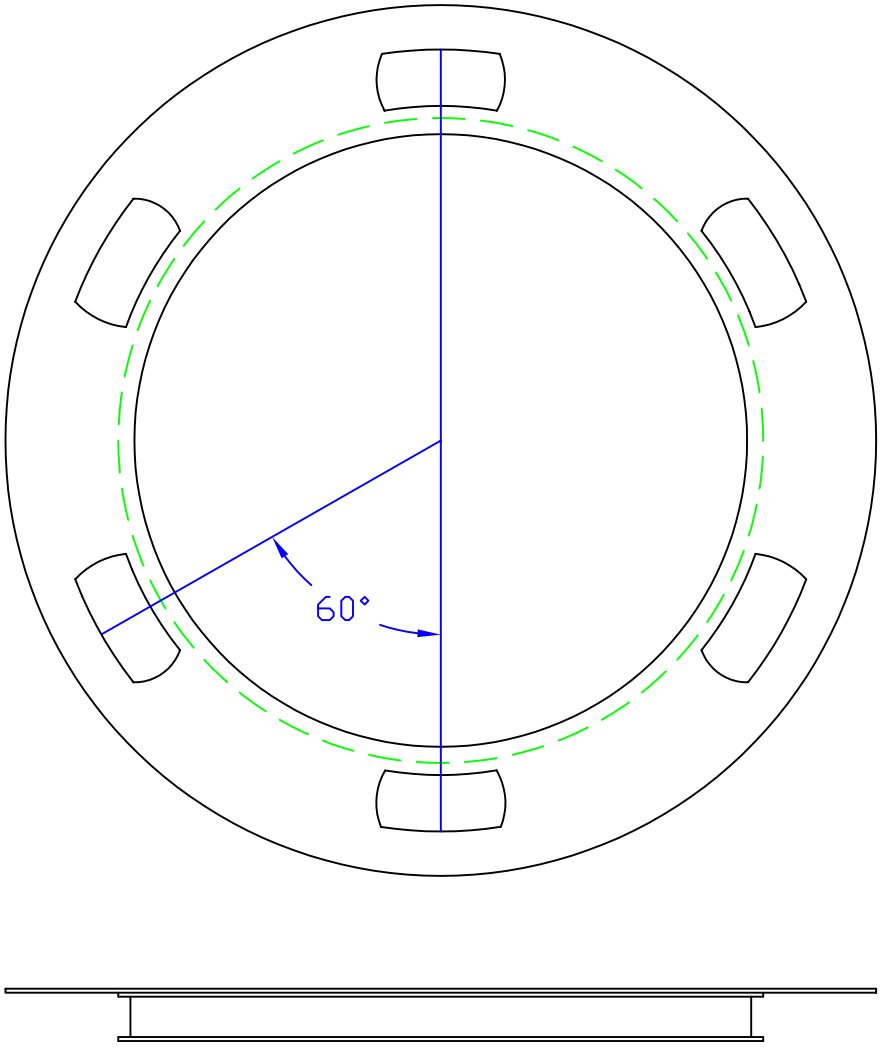
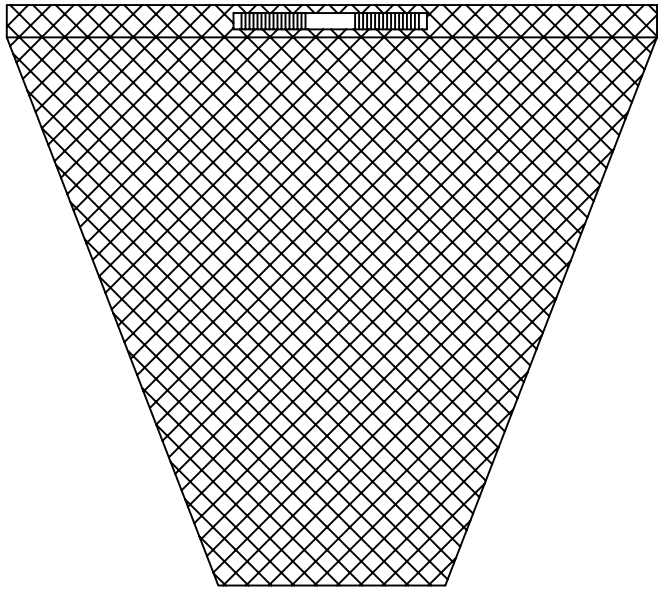
DATE	REVISIONS
01-11-02	Original
05-07-04	Remove Back Rail

Typical Curb Box
Catch-All

Marathon Materials, Inc.





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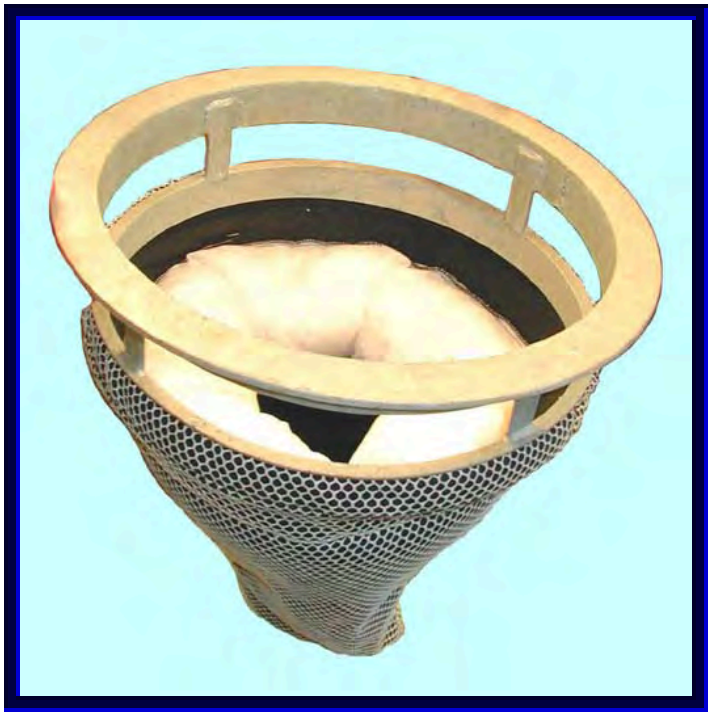
SEDIMENT BAG: Bag fabricated from 4 oz./sq.yd. non-woven polypropylene geotextile reinforced with polyester mesh. Bag secured to base rim with a stainless steel band and lock.

DATE	REVISIONS	
01-22-02	Original	Typical Beehive Catch-All
		Marathon Materials, Inc.

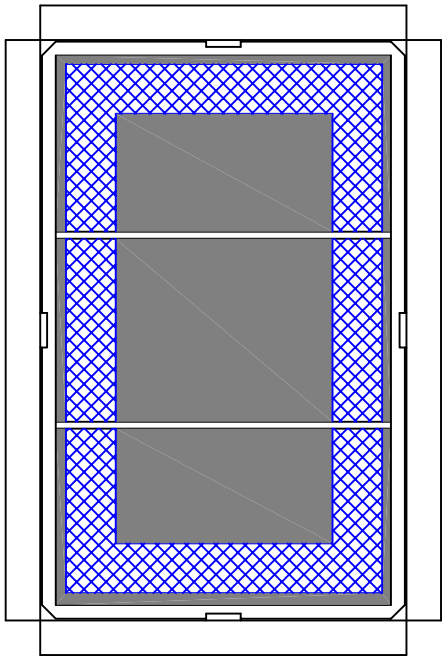
Catch-All HR

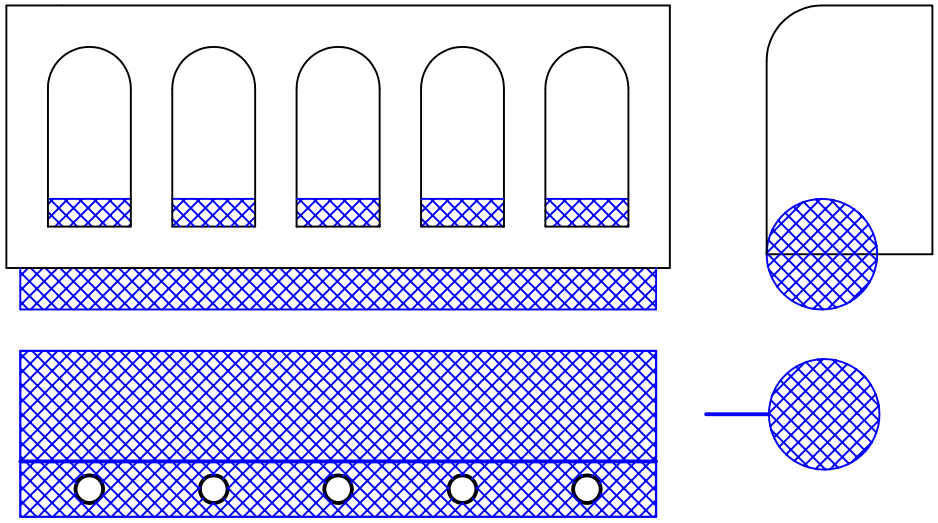


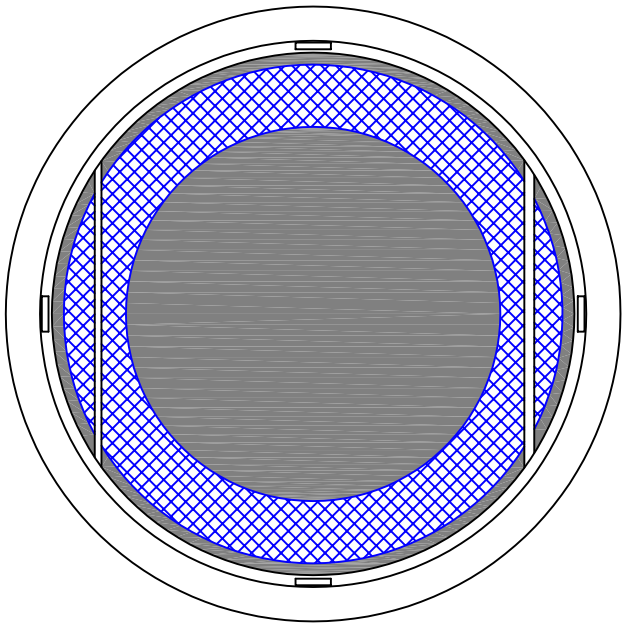
Catch-All Inlet Protector HR – combines all of the benefits of the standard Catch-All with the added benefit of hydrocarbon removal.

- Custom fitted to virtually any inlet casting
- Standard overflow feature
- Replaceable reinforced sediment bags
- Rugged welded steel frames
- Quick and simple installation & maintenance

Marathon Materials, Inc.
(800) 983-9493
25523 W. Schultz St.
Plainfield, IL 60544
www.marathonmaterials.com







This detail depicts the typical placement of the HR (hydrocarbon removal) pillow. An HR pillow is hemmed to the entire perimeter of the sediment bag +/- 4" from the top of the bag and extends +/- 4" towards center. Curb boxes are protected with a separate pillow that is secured to either the curb box vanes or the top flange of the Catch-All frame.

DATE	REVISIONS	Catch-All HR Adsorbent Pillow
5.12.04	Original	
		Marathon Materials, Inc.

Suggested Maintenance
Catch-All Inlet Protector

The frequency and degree of maintenance required is dependent on site conditions and rainfall. Certain types of soil and run-off laden with hydrocarbons, (oil, solvents, etc.), tend to "*silt-up*" the fabric bags more quickly than others.

Generally, the bags can be emptied, inverted, washed, and re-used throughout an entire project. They may also be vacuumed. The bag must be replaced if it is severely worn or torn.

GUIDELINES FOR CONSTRUCTION SITES

1. Inspect the bag at least every 2 weeks – Clean, if needed
2. Inspect the bag every time there is rainfall totaling 1 or more inches – Clean, if needed
3. Replace the bag if it has a hole in it
4. Replace the bag if it appears clean but won't pass water

Suggested Maintenance
Catch-All HR

Typically, the Catch-All HR is installed in a paved parking lot or maintenance yard. The degree and frequency of maintenance required is generally far less than for Catch-Alls installed at construction sites.

GUIDELINES FOR PARKING LOTS & MAINTENANCE YARDS

1. Inspect the bag at least once per month – Clean, if needed
2. Inspect the bag every time there is rainfall totaling more than two inches – Clean, if needed
3. Replace the bag every 6 months; More often for harsh environments
4. Replace the bag after any oil, gasoline, or solvent spill
5. Replace the bag if it has a hole in it
6. Replace the bag if it appears clean but won't pass water

INLET FILTER SYSTEM w/Hydrocarbon Removal

PART 1 GENERAL

1.01 WORK REQUIRED

An inlet filter system, as shown in the details, shall be installed and maintained in open grate frames as directed by the engineer.

1.02 SUBMITTALS

The Contractor shall make submittals of the manufacturer's literature, shop drawings, installation and maintenance instructions, and other items in accordance with the provisions of the Standard Specifications.

PART 2 PRODUCTS

2.01 INLET FILTER SYSTEM HR

Inlet filter system HR shall consist of a replaceable reinforced filter bag with hydrocarbon removal capabilities suspended from a retainer ring, or frame. Inlet Filter Systems shall be the Catch-All **HR**, with Overflow, as furnished by Marathon Materials, Inc., or pre-approved equal.

The filter bag shall be constructed of a non-woven polypropylene filter geotextile fabric with a minimum weight of 4 oz./yd.^{2}, a minimum flow rate of 145 gal./min./ft.^{2}, and designed for a minimum silt and debris capacity of 2 cu. ft. The filter bag shall be reinforced with a polyester mesh fabric with a minimum weight of 4 oz./yd.^{2} and shall be fitted with a hydrocarbon removal pillow. The hydrocarbon removal pillow shall be hemmed around the entire perimeter of the sediment bag and extend a minimum of four inches towards center. The pillow shall have the capacity to adsorb a minimum seven times its own weight of hydrocarbon-based pollutants. *Curb boxes shall be fitted with a separate pillow, meeting the same requirements, that extends the full width of the box.* The filter bag shall be suspended from a galvanized steel ring, or frame, conforming to ASTM-A36, utilizing a stainless steel band and locking clamp. The frame shall be designed with an overflow feature to prevent any ponding during heavy rainfall.

Illinois Department of Transportation

Storm Water Pollution Prevention Plan

Route	Marked Route	Section
Front Street	N/A	1
Project Number	**County**	**Contract Number**
	DuPage	

This plan has been prepared to comply with the provisions of the National Pollutant Discharge Elimination System (NPDES) Permit No. ILR10 (Permit ILR10), issues by the Illinois Environmental Protection Agency (IEPA) for storm water discharges from construction site activities.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print Name	Title	Agency
	City Engineer	City of Wheaton
Signature		**Date**

I. Site Description

A. Provide a description of the project location (include latitude and longitude):

Front Street Utilities Improvements:West to Cross - 41°51’53”/88°06’35”

B. Provide a description of the construction activity which is subject of this plan:

Sanitary Sewer removal and replacement & new watermain

C. Provide the estimated duration of this project:

September 2017 to November 2017

D. The total area of the construction site is estimated to be 0.85 acres.

The total area of the site estimated to be disturbed by excavation, grading or other activities is 0.6 acres.

E. The following is a weighted average of the runoff coefficient for this project after construction activities are completed:

0.85

F. List all soils found within project boundaries. Include map unit name, slope information and erosivity:

Stiff silty CLAY

G. Provide an aerial extent of wetland acreage at the site:

N/A

H. Provide a description of potentially erosive areas associated with this project:

Areas will be in paved areas with surface and underground drainage systems.

I. The following is a description of soil disturbing activities by stages, their locations, and their erosive factors (e.g. steepness of slopes, length of scopes, etc.):

Excavating and grading for water mains & sanitary sewers, pavement and sidewalk removal and replacement. Erosion control devices should remain in place until pavement placement has been completed.

J. See the erosion control plans and/or drainage plans for this contract for information regarding drainage patterns, approximate slopes anticipated before and after major grading activities, locations where vehicles enter or exit the site and controls to prevent off site sediment tracking (to be added after contractor identifies locations), areas of soil disturbance, the location of major structural and non-structural controls identified in the plan, the location of areas where stabilization practices are expected to occur, surface waters (including wetlands) and locations where storm water is discharged to surface water including wetlands.

K. Identify who owns the drainage system (municipality or agency) this project will drain into:

The City of Wheaton owns the drainage system

L. The following is a list of General NPDES ILR40 permittees within whose reporting jurisdiction this project is located.

N/A

M. The following is a list of receiving water(s) and the ultimate receiving water(s) for this site. The location of the receiving waters can be found on the erosion and sediment control plans:

N/A

N. Describe areas of the site that are to be protected or remain undisturbed. These areas may include steep slopes, highly erodible soils, streams, stream buffers, specimen trees, natural vegetation, nature preserves, etc.

N/A

O. The following sensitive environmental resources are associated with this project, and may have the potential to be impacted by the proposed development:

- ☐ Floodplain
- ☐ Wetland Riparian
- ☐ Threatened and Endangered Species
- ☐ Historic Preservation
- ☐ 303(d) Listed receiving waters for suspended solids, turbidity, or siltation
- ☐ Receiving waters with Total Maximum Daily Load (TMDL) for sediment, total suspended solids, turbidity, or siltation
- ☐ Applicable Federal, Tribal, State or Local Programs
- ☐ Other

1. 303(d) Listed receiving waters (fill out this section if checked above):

N/A

   a. The name(s) of the listed water body, and identification of all pollutants causing impairment:

   N/A

   b. Provide a description of how erosion and sediment control practices will prevent a discharge of sediment resulting from a storm event equal to or greater than a twenty-five (25) year, twenty-four (24) hour rainfall event:

   N/A

   c. Provide a description of the location(s) of direct discharge from the project site to the 303(d) water body:

   N/A

   d. Provide a description of the location(s) of any dewatering discharges to the MS4 and/or water body:

   N/A

2. TMDL (fill out this section if checked above)

   a. The name(s) of the listed water body:

   N/A

b. Provide a description of the erosion and sediment control strategy that will be incorporated into the site design that is consistent with the assumptions and requirements of the TMDL:

N/A

c. If a specific numeric waste load allocation has been established that would apply to the project's discharges, provide a description of the necessary steps to meet the allocation:

N/A

P. The following pollutants of concern will be associated with this construction project:

☒ Soil Sediment	☐ Petroleum (gas, diesel, oil, kerosene, hydraulic oil / fluids)
☒ Concrete	☐ Antifreeze / Coolants
☒ Concrete Truck waste	☒ Waste water from cleaning construction equipment
☒ Concrete Curing Compounds	☐ Other (specify) _____
☐ Solid waste Debris	☐ Other (specify) _____
☐ Paints	☐ Other (specify) _____
☐ Solvents	☐ Other (specify) _____
☐ Fertilizers / Pesticides	☐ Other (specify) _____

II. Controls

This section of the plan addresses the controls that will be implemented for each of the major construction activities described in I.C. above and for all use areas, borrow sites, and waste sites. For each measure discussed, the Contractor will be responsible for its implementation as indicated. The Contractor shall provide to the Resident Engineer a plan for the implementation of the measures indicated. The Contractor and subcontractors, will notify the Resident Engineer of any proposed changes, maintenance, or modifications to keep construction activities compliant with the Permit ILR10. Each such Contractor has signed the required certification on forms which are attached to, and are a part of, this plan:

A. **Erosion and Sediment Controls:** At a minimum, controls must be coordinated, installed, and maintained to:

B. **Stabilization Practices:** Provided below is a description of interim and permanent stabilization practices, including

site- specific scheduling of the implementation of the practices. Site plans will ensure that existing vegetation is preserved where attainable and disturbed portions of the site will be stabilized. Stabilization practices may include but are not limited to: temporary seeding, permanent seeding, mulching, geotextiles, sodding, vegetative buffer strips, protection of trees, preservation of mature vegetation, and other appropriate measures. Except as provided below in II(B)(1) and II(B)(2), stabilization measures shall be initiated **immediately** where construction activities have temporarily or permanently ceased, but in no case more than **one (1) day** after the construction activity in that portion of the site has temporarily or permanently ceases on all disturbed portions of the site where construction will not occur for a period of fourteen (14) or more calendar days.

1. Where the initiation of stabilization measures is precluded by snow cover, stabilization measures shall be initiated as soon as practicable.
2. On areas where construction activity has temporarily ceased and will resume after fourteen (14) days, a temporary stabilization method can be used.

The following stabilization practices will be used for this project:

☒ Preservation of Mature Vegetation	☐ Erosion Control Blanket / Mulching
☐ Vegetated Buffer Strips	☐ Sodding
☒ Protection of Trees	☐ Geotextiles
☐ Temporary Erosion Control Seeding	☐ Other (specify) _____

- ☐ Temporary Turf (Seeding, Class 7) ☐ Other (specify) _____
- ☐ Temporary Mulching ☐ Other (specify) _____
- ☐ Permanent Seeding ☐ Other (specify) _____

Describe how the stabilization practices listed above will be utilized during construction:

Inlet filters will be placed at all existing open lid drainage structures to prevent silt from entering the drainage system.

Describe how the stabilization practices listed above will be utilized after construction activities have been completed:

Inlet filters will not be removed until the final pavement has been installed.

C. **Structural Practices:** Provided below is a description of structural practices that will be implemented, to the degree attainable, to divert flows from exposed soils, store flows or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Such practices may include but are not limited to: perimeter erosion barrier, earth dikes, drainage swales, sediment traps, ditch checks, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, and temporary or permanent sediment basins. The installation of these devices may be subject to Section 404 of the Clean Water Act.

The following stabilization practices will be used for this project:

- ☐ Perimeter Erosion Barrier ☐ Rock Outlet Protection
- ☐ Temporary Ditch Check ☐ Riprap
- ☒ Storm Drain Inlet Protection ☐ Gabions
- ☐ Sediment Trap ☐ Slope Mattress
- ☐ Temporary Pipe Slope Drain ☐ Retaining Walls
- ☐ Temporary Sediment Basin ☐ Slope Walls
- ☐ Temporary Stream Crossing ☐ Concrete Revetment Mats
- ☐ Stabilized Construction Exits ☐ Level Spreaders
- ☐ Turf Reinforcement Mats ☐ Other (specify) _____
- ☐ Permanent Check Dams ☐ Other (specify) _____
- ☐ Permanent Sediment Basin ☐ Other (specify) _____
- ☐ Aggregate Ditch ☐ Other (specify) _____
- ☐ Paved Ditch ☐ Other (specify) _____

Describe how the structural practices listed above will be utilized during construction:

Inlet protection shall be provided by installing inlet filters on all existing open lid drainage structures.

Describe how the structural practices listed above will be utilized after construction activities have been completed:

N/A

D. **Treatment Chemicals**

Will polymer flocculents or treatment chemicals be utilized on this project: ☐ Yes ☒ No

If yes above, identify where and how polymer flocculents or treatment chemicals will be utilized on this project.

E. **Permanent Storm Water Management Controls:** Provided below is a description of measures that will be installed during the construction process to control volume and pollutants in storm water discharges that will occur after construction operations have been completed. The installation of these devices may be subject to Section 404 of the Clean Water act.

1. Such practices may include but are not limited to: storm water detention structures (including wet ponds), storm water retention structures, flow attenuation by use of open vegetated swales and natural depressions, infiltration of runoff on site, and sequential systems (which combine several practices).

   The practices selected for implementation were determined on the basis of the technical guidance in Chapter 41 (Construction Site Storm Water Pollution Control) of the IDOT Bureau of Design & Environment Manual. If practices other than those discussed in Chapter 41 are selected for implementation or if practices are applied to situations different from those covered in Chapter 41, the technical basis for such decisions will be explained below.
2. Velocity dissipation devices will be placed at discharge locations and along the length of any outfall channel as necessary to provide a non-erosive velocity flow from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected (e.g. maintenance of hydrologic conditions such as the hydroperiod and hydrodynamics present prior to the initiation of construction activities).

   Description of permanent storm water management controls:

Storm water detention will not be provided on this project. Pollutants in storm water discharges will be filtered by vegetation and inlet filters. Earth surface areas that are disturbed will be replaced in kind to prevent erosion and to filter pollutants. Inlet filters will be installed at all open lid drainage structures to prevent silt from entering the drainage system until the pavement is installed.

F. **Approved State or Local Laws:** The management practices, controls, and provisions contained in this plan will be in accordance with IDOT specifications, which are at least as protective as the requirements contained in the Illinois Environmental Protection Agency's Illinois Urban Manual. Procedures and requirements specified in applicable sediment and erosion site plans or storm water management plans approved by local officials shall be described or incorporated by reference in the space provided below. Requirements specified in sediment and erosion site plans, site permits, storm water management site plans or site permits approved by local officials that are applicable to protecting surface water resources are, upon submittal of an NOI, to be authorized to discharge under the Permit ILR10 incorporated by reference and are enforceable under this permit even if they are not specifically included in the plan.

Description of procedures and requirements specified in applicable sediment and erosion site plans or storm water management plans approved by local officials:

N/A

G. **Contractor Required Submittals:** Prior to conducting any professional services at the site covered by this plan, the Contractor and each subcontractor responsible for compliance with the permit shall submit to the Resident Engineer a Contractor Certification Statement, BDE 2342a.

1. The Contractor shall provide a construction schedule containing an adequate level of detail to show major activities with implementation of pollution prevention BMPs, including the following items:

2. The Contractor and each subcontractor shall provide, as an attachment to their signed Contractor Certification Statement, a discussion of how they will comply with the requirements of the permit in regard to the following items and provide a graphical representation showing location and type of BMPs to be used when applicable:

III. Maintenance

When requested by the Contractor, the Resident Engineer will provide general maintenance guides to the Contractor for the practices associated with this project. The following additional procedures will be used to maintain, in good and effective operating conditions, the vegetation, erosion and sediment control measures and other protective measures identified in this plan. It will be Contractor's responsibility to attain maintenance guidelines for any manufactured BMPs which are to be installed and maintained per manufacture's specifications.

The Contractor will be responsible for installing and maintaining the erosion control systems as directed by the Engineer and/or City. The maintenance of the temporary erosion control systems will not be paid for separately as described in Article 280.08 of the Standard Specifications and shall be included in the cost of the various erosion control pay items.

IV. Inspections

Qualified personnel shall inspect disturbed areas of the construction site which have not yet been finally stabilized, structural control measures, and locations where vehicles and equipment enter and exit the site using IDOT Storm Water Pollution Prevention Plan Erosion Control Inspection Report (BC 2259). Such inspections shall be conducted at least once every seven (7) calendar days and within twenty-four (24) hours of the end of a storm or by the end of the following business or work day that is 0.5 inch or greater or equivalent snowfall.

Inspections may be reduced to once per month when construction activities have ceased due to frozen conditions. Weekly inspections will recommence when construction activities are conducted, or if there is 0.5" or greater rain event, or a discharge due to snowmelt occurs.

If any violation of the provisions of this plan is identified during the conduct of the construction work covered by this plan, the Resident Engineer shall notify the appropriate IEPA Field Operations Section office by e-mail at: epa.swnoncomp@illinois.gov, telephone or fax within twenty-four (24) hours of the incident. The Resident Engineer shall then complete and submit an "Incidence of Non-Compliance" (ION) report for the identified violation within five (5) days of the incident. The Resident Engineer shall use forms provided by IEPA and shall include specific information on the cause of noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance. All reports of non-compliance shall be signed by a responsible authority in accordance with Part VI. G of the Permit ILR10.

The Incidence of Non-Compliance shall be mailed to the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Attn: Compliance Assurance Section
1021 North Grand East
Post Office Box 19276
Springfield, Illinois 62794-9276

Additional Inspections Required:

N/A

V. Failure to Comply

Failure to comply with any provisions of this Storm Water Pollution Prevention Plan will result in the implementation of a National Pollutant Discharge Elimination System/Erosion and Sediment Control Deficiency Deduction against the Contractor and/or penalties under the Permit ILR10 which could be passed on to the Contractor.

Illinois Department of Transportation

Contractor Certification Statement

Prior to conducting any professional services at the site covered by this contract, the Contractor and every subcontractor must complete and return to the Resident Engineer the following certification. A separate certification must be submitted by each firm. Attach to this certification all items required by Section II.G of the Storm Water Pollution Prevention Plan (SWPPP) which will be handled by the Contractors/subcontractor completing this form.

Route	Marked Route	Section
Front Street	N/A	1

Project Number	County	Contract Number
	DuPage	

This certification statement is a part of SWPPP for the project described above, in accordance with the General NPDES Permit No. ILR10 issued by the Illinois Environmental Protection Agency.

I certify under penalty of law that I understand the terms of the Permit No. ILR10 that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

In addition, I have read and understand all of the information and requirements stated in SWPPP for the above mentioned project; I have received copies of all appropriate maintenance procedures; and, I have provided all documentation required to be in compliance with the Permit ILR10 and SWPPP and will provide timely updates to these documents as necessary.

☐ Contractor

☐ Sub-Contractor

Print Name	Signature

Title	Date

Name of Firm	Telephone

Street Address	City/State/Zip

Items which the Contractor/subcontractor will be responsible for as required in Section II.G. of SWPPP:

Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663 Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: West Front St. CCDD Testing Office Phone Number, if available: _____

Physical Site Location (address, inclduding number and street):
W. Front St.-S. Hale St. to S. Main St.

City: Wheaton State: IL Zip Code: 60187

County: DuPage Township: _____

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.864853 (Decimal Degrees) Longitude: -88.107511 (-Decimal Degrees)

Identify how the lat/long data were determined:

☐ GPS ☒ Map Interpolation ☐ Photo Interpolation ☐ Survey ☐ Other

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner		Site Operator	
Name:	City of Wheaton	Name:	
Street Address:	303 W. Wesley Street	Street Address:	
PO Box:	727	PO Box:	
City:	Wheaton	City:	
State:	IL	State:	
Zip Code:	60187	Zip Code:	
Phone:	630-260-2000	Phone:	
Contact:		Contact:	
Email, if available:		Email, if available:	

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: West Front St. CCDD Testing

Latitude: 41.864853 Longitude: -88.107511

Uncontaminated Site Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

Refer to attachment A.1b.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

One sample was analyzed for BETX,PNAs,Lead, and pH. Lab results were below maximum allowable concentrations and within acceptable pH range. See attached reports.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Gregory W. Wilcox, P.E. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Winston Engineering

Street Address: 2256 Southwind Blvd

City: Bartlett State: IL Zip Code: 60103

Phone: 630-503-5028

Gregory W. Wilcox, P.E.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

3/1/17
Date:

GREGORY W. WILCOX
062-041979
REGISTERED
PROFESSIONAL
ENGINEER
OF
ILLINOIS

P.E. or L.P.G. Seal:

WINSTON ENGINEERING
2256 Southwind Blvd
Bartlett, IL 60103
Phone: 630-503-5028
Fax: 630-524-9020

A.4c--Field pH

Sampled By:

☒ Winston Engineering
☐ Customer
☐ Other: _____

Customer Name	Project Name	Project Location	Date Collected	Test Performed By	Date Tested
Rubino Engineering	West Front St. CCDD Testing	W. Front St.-S. Hale St. to S. Main St. Wheaton	2/9/17	AP	2/10/17

pH Meter Mfgr: Oakton Instruments **Method Used:** NY Dot GTM-24
Model #: pH 110 Meter **Calibration:** Time:7:50am Date:2/10

pH Test Results

Soil Sample Number	Soil Sample Name	Sample Matrix	Sample Type	Temp (ºC)	pH Test Result
1	F-2	Solid	Soil	20.6	8.37

Analyst Signature:_____ Title: Environmental Scientist

Should you have any questions regarding your pH test results, or need additional information please call us at (630) 503-5028

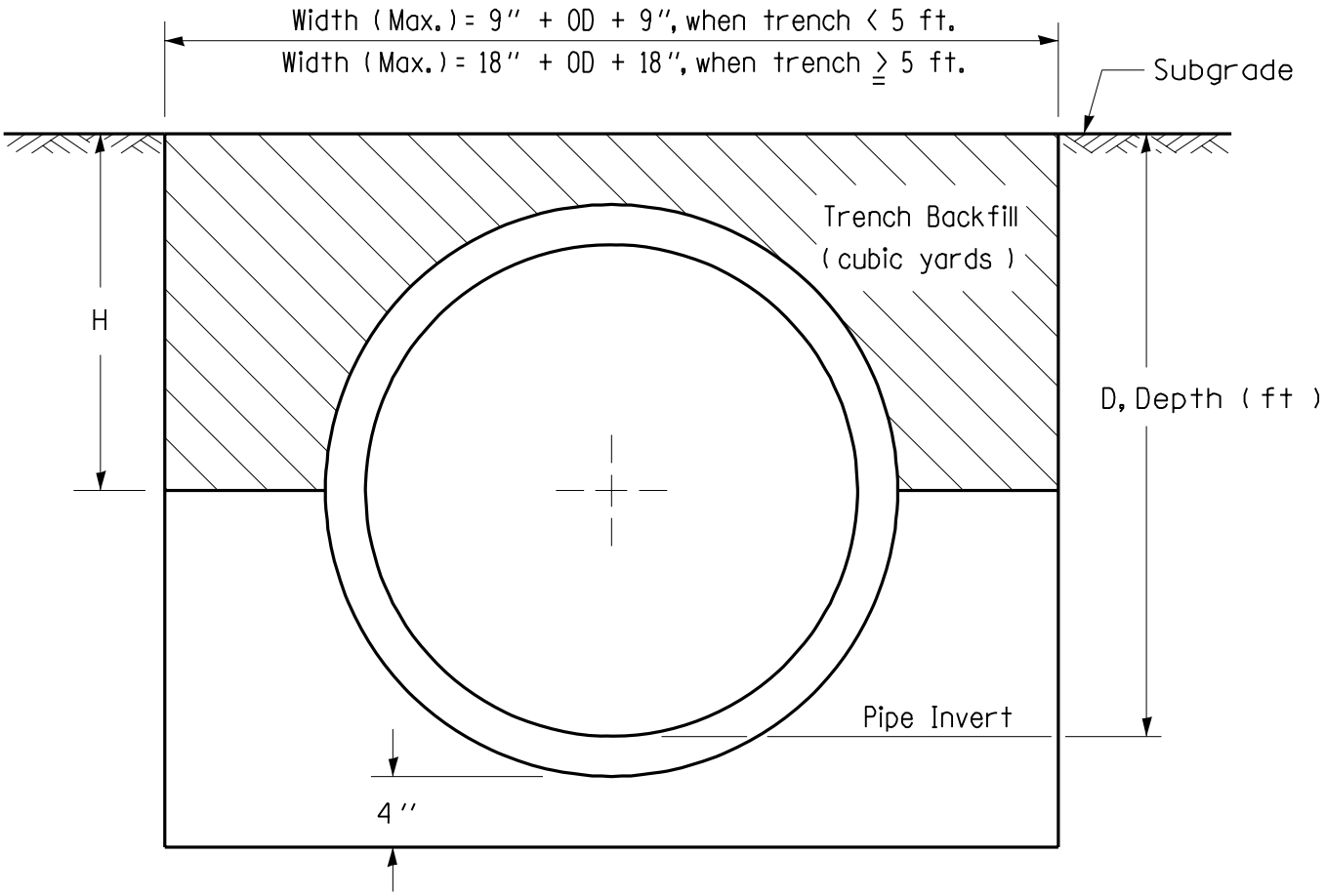
Section E

TRENCH BACKFILL TABLES FOR CONCRETE PIPES

These tables can be used by the designer or the field engineer to determine the volume of TRENCH BACKFILL that can be paid for when backfilling storm sewer trenches. Maximum trench widths adopted by the January 1, 2002 Standard Specifications are used.

NOTE: The calculated volumes are based on the use of standard **English sized pipes** which meet the tolerances of the Metric pay item.

TRENCH BACKFILL TABLE FOR CIRCULAR CONCRETE PIPE, ENGLISH



EXAMPLE

Given:	Pipe = 42” Storm Sewer	
	Average Depth, D = 6.8 feet	
	Trench Length = 84.7 feet	
Find:	Cubic Yards or TRENCH BACKFILL	
Solution:	From Table, Cubic yard/lin. ft.	= 1.093
	x Trench length	= x 84.7
	TRENCH BACKFILL	= 92.6 cu. yds.

NOTE: If the field engineer measures a width of trench less than the maximum permitted, the values included herein will be of no value. The actual volume of TRENCH BACKFILL used will therefore have to be calculated using the following formula:

$$\text{Cubic Yards} = \left[(H' \times W') - \left(\frac{\text{Pipe End Area}}{2} \right) \right] \times L' \times 1/27$$

VOLUME OF TRENCH BACKFILL (CU.YDS.) PER LINEAL FT. OF STORM SEWER

D(ft) = Average Depth of Trench from Subgrade to Invert of Pipe	Inside Diameter Wall thickness	8” 1.667”	10” 1.833”	12” 2.00”	15” 2.25”	18” 2.50”	21” 2.75”
	2.0	0.138	0.136	0.132	0.121	0.105	0.083
	2.2	0.156	0.155	0.152	0.143	0.130	0.111
	2.4	0.174	0.175	0.173	0.167	0.155	0.138
	2.6	0.192	0.194	0.194	0.190	0.180	0.166
	2.8	0.210	0.214	0.215	0.213	0.205	0.193
	3.0	0.228	0.234	0.236	0.236	0.231	0.220
	3.2	0.246	0.253	0.257	0.259	0.256	0.248
	3.4	0.264	0.272	0.278	0.282	0.281	0.275
	3.6	0.282	0.292	0.299	0.305	0.307	0.303
	3.8	0.300	0.311	0.320	0.329	0.332	0.330
	4.0	0.319	0.331	0.341	0.352	0.358	0.358
	4.2	0.336	0.350	0.362	0.375	0.383	0.385
	4.4	0.354	0.370	0.383	0.398	0.408	0.413
	4.6	0.610	0.622	0.632	0.642	0.647	0.647
	4.8	0.639	0.653	0.664	0.676	0.684	0.686
	5.0	0.668	0.683	0.696	0.711	0.720	0.724
	5.2	0.698	0.714	0.728	0.745	0.756	0.763
	5.4	0.727	0.745	0.760	0.779	0.793	0.801
	5.6	0.756	0.776	0.792	0.813	0.829	0.840
	5.8	0.785	0.807	0.824	0.848	0.866	0.879
	6.0	0.815	0.837	0.856	0.882	0.902	0.918
	6.2	0.844	0.867	0.888	0.916	0.938	0.956
	6.4	0.873	0.898	0.921	0.950	0.975	0.994
	6.6	0.903	0.929	0.953	0.985	1.011	1.033
	6.8	0.932	0.959	0.985	1.019	1.048	1.071
	7.0	0.961	0.990	1.017	1.053	1.084	1.110
	7.2	0.990	1.021	1.049	1.087	1.121	1.149
	7.4	1.019	1.051	1.081	1.122	1.157	1.187
	7.6	1.049	1.082	1.113	1.156	1.193	1.226
	7.8	1.078	1.113	1.145	1.190	1.230	1.264
	8.0	1.107	1.143	1.177	1.224	1.266	1.303
	8.2	1.136	1.174	1.209	1.259	1.303	1.342
	8.4	1.165	1.205	1.241	1.293	1.340	1.380
	8.6	1.195	1.235	1.274	1.328	1.376	1.419
	8.8	1.224	1.266	1.306	1.362	1.412	1.458
	9.0	1.253	1.297	1.338	1.396	1.449	1.496
	9.2	1.282	1.327	1.370	1.430	1.485	1.535
	9.4	1.311	1.358	1.402	1.465	1.522	1.574
	9.6	1.341	1.389	1.435	1.499	1.558	1.612
	9.8	1.370	1.419	1.467	1.533	1.594	1.651
	10.0	1.399	1.450	1.499	1.568	1.631	1.689
	10.2	1.428	1.481	1.531	1.602	1.667	1.728
	10.4	1.457	1.511	1.563	1.636	1.704	1.767
	10.6	1.487	1.542	1.595	1.671	1.740	1.805
	10.8	1.516	1.573	1.627	1.705	1.776	1.844
	11.0	1.545	1.603	1.659	1.739	1.813	1.882
	11.2	1.574	1.634	1.691	1.773	1.849	1.921
	11.4	1.603	1.665	1.723	1.808	1.886	1.960
	11.6	1.633	1.696	1.755	1.842	1.922	1.998
	11.8	1.662	1.726	1.788	1.876	1.958	2.037
	For each additional 0.2’ depth						
		+0.0292	+0.0307	+0.0321	+0.0343	+0.0364	+0.0386

VOLUME OF TRENCH BACKFILL (CU.YDS.) PER LINEAL FT. OF STORM SEWER

D(ft) = Average Depth of Trench from Subgrade to Invert of Pipe	Inside Diameter Wall thickness	24” 3.00”	27” 3.25”	30” 3.50”	33” 3.75”	36” 4.00”	42” 4.50”
	2.4	0.116					
	2.6	0.146	0.121				
	2.8	0.175	0.152	0.124			
	3.0	0.205	0.184	0.158			
	3.2	0.235	0.216	0.192	0.163		
	3.4	0.264	0.248	0.226	0.199	0.168	
	3.6	0.294	0.280	0.260	0.236	0.206	
	3.8	0.323	0.311	0.294	0.272	0.244	
	4.0	0.353	0.343	0.328	0.308	0.282	0.216
	4.2	0.383	0.375	0.362	0.344	0.321	0.259
	4.4	0.412	0.407	0.571	0.548	0.520	0.448
	4.6	0.642	0.632	0.616	0.595	0.569	0.502
	4.8	0.683	0.674	0.661	0.643	0.619	0.556
	5.0	0.723	0.717	0.706	0.690	0.668	0.610
	5.2	0.764	0.760	0.751	0.737	0.718	0.663
	5.4	0.805	0.803	0.796	0.784	0.767	0.717
	5.6	0.846	0.846	0.841	0.831	0.816	0.771
	5.8	0.886	0.889	0.886	0.879	0.866	0.824
	6.0	0.927	0.932	0.931	0.926	0.915	0.878
	6.2	0.968	0.975	0.976	0.973	0.964	0.932
	6.4	1.009	1.018	1.022	1.020	1.014	0.985
	6.6	1.049	1.061	1.067	1.068	1.063	1.039
	6.8	1.090	1.103	1.112	1.115	1.113	1.093
	7.0	1.131	1.146	1.157	1.162	1.162	1.147
	7.2	1.172	1.189	1.202	1.209	1.211	1.200
	7.4	1.212	1.232	1.247	1.256	1.261	1.254
	7.6	1.253	1.275	1.292	1.304	1.310	1.308
	7.8	1.294	1.318	1.337	1.351	1.359	1.361
	8.0	1.335	1.361	1.382	1.398	1.409	1.415
	8.2	1.375	1.404	1.427	1.445	1.458	1.469
	8.4	1.416	1.447	1.473	1.493	1.508	1.523
	8.6	1.457	1.490	1.518	1.540	1.557	1.577
	8.8	1.498	1.533	1.563	1.587	1.607	1.630
	9.0	1.539	1.576	1.608	1.635	1.656	1.684
	9.2	1.579	1.619	1.653	1.682	1.706	1.738
	9.4	1.620	1.662	1.698	1.729	1.755	1.791
	9.6	1.661	1.704	1.743	1.776	1.804	1.845
	9.8	1.701	1.747	1.788	1.823	1.854	1.899
	10.0	1.742	1.790	1.833	1.871	1.903	1.953
	10.2	1.783	1.833	1.878	1.918	1.953	2.006
	10.4	1.824	1.876	1.924	1.965	2.002	2.060
	10.6	1.864	1.919	1.968	2.012	2.051	2.114
	10.8	1.905	1.962	2.013	2.060	2.100	2.167
	11.0	1.946	2.005	2.058	2.107	2.150	2.221
	11.2	1.987	2.048	2.103	2.154	2.199	2.275
	11.4	2.028	2.091	2.148	2.201	2.249	2.328
	11.6	2.068	2.133	2.193	2.249	2.298	2.382
	11.8	2.109	2.176	2.239	2.296	2.347	2.436
	12.0	2.150	2.219	2.284	2.343	2.397	2.490
	12.2	2.191	2.262	2.329	2.390	2.446	2.543
	For each additional 0.2’ depth:						
		+0.0407	+0.0429	+0.0451	+0.0472	+0.0494	+0.0537

VOLUME OF TRENCH BACKFILL (CU.YDS.) PER LINEAL FT. OF STORM SEWER

D(ft) = Average Depth of Trench from Subgrade to Invert of Pipe	Inside Diameter Wall thickness	48” 5.00”	54” 5.50”	60” 6.00”	66” 6.50”	72” 7.00”	78” 7.50”
	4.6	0.414					
	4.8	0.472					
	5.0	0.530	0.430				
	5.2	0.588	0.492				
	5.4	0.646	0.555				
	5.6	0.704	0.617	0.509			
	5.8	0.762	0.679	0.576			
	6.0	0.820	0.742	0.643			
	6.2	0.878	0.804	0.709	0.594		
	6.4	0.936	0.866	0.776	0.665		
	6.6	0.994	0.929	0.843	0.736	0.608	
	6.8	1.052	0.991	0.909	0.807	0.683	
	7.0	1.110	1.053	0.976	0.878	0.759	
	7.2	1.168	1.116	1.043	0.949	0.834	0.699
	7.4	1.226	1.178	1.109	1.020	0.909	0.778
	7.6	1.284	1.240	1.176	1.091	0.985	0.858
	7.8	1.342	1.303	1.243	1.162	1.060	0.938
	8.0	1.400	1.365	1.309	1.233	1.135	1.017
	8.2	1.458	1.428	1.376	1.304	1.211	1.097
	8.4	1.517	1.490	1.443	1.375	1.286	1.177
	8.6	1.575	1.553	1.510	1.446	1.362	1.257
	8.8	1.633	1.615	1.576	1.517	1.437	1.336
	9.0	1.691	1.677	1.643	1.588	1.512	1.416
	9.2	1.749	1.739	1.710	1.659	1.588	1.495
	9.4	1.807	1.802	1.776	1.730	1.663	1.575
	9.6	1.865	1.864	1.843	1.801	1.738	1.655
	9.8	1.923	1.927	1.910	1.872	1.813	1.734
	10.0	1.981	1.989	1.977	1.943	1.889	1.814
	10.2	2.039	2.051	2.043	2.014	1.964	1.893
	10.4	2.097	2.113	2.110	2.085	2.039	1.973
	10.6	2.155	2.176	2.177	2.156	2.115	2.053
	10.8	2.213	2.238	2.243	2.227	2.190	2.132
	11.0	2.271	2.300	2.310	2.298	2.265	2.212
	11.2	2.329	2.363	2.377	2.369	2.341	2.292
	11.4	2.387	2.425	2.443	2.440	2.416	2.371
	11.6	2.445	2.487	2.509	2.511	2.491	2.451
	11.8	2.503	2.550	2.576	2.582	2.566	2.531
	12.0	2.561	2.612	2.643	2.653	2.642	2.610
	12.2	2.619	2.675	2.709	2.724	2.717	2.690
	12.4	2.677	2.738	2.776	2.795	2.792	2.770
	12.6	2.735	2.800	2.843	2.866	2.868	2.849
	12.8	2.793	2.862	2.909	2.937	2.943	2.929
	13.0	2.852	2.925	2.976	3.008	3.018	3.008
	13.2	2.910	2.987	3.043	3.079	3.094	3.088
	13.4	2.968	3.049	3.110	3.150	3.169	3.168
	13.6	3.026	3.111	3.176	3.221	3.244	3.247
	13.8	3.084	3.174	3.243	3.292	3.320	3.327
	14.0	3.142	3.236	3.310	3.363	3.395	3.407
	14.2	3.200	3.298	3.376	3.434	3.470	3.486
	12.4	3.258	3.361	3.443	3.505	3.545	3.566
	For each additional 0.2’ depth						
		+0.0580	+0.0623	+0.0667	+0.0710	+0.0753	+0.0796

VOLUME OF TRENCH BACKFILL (CU.YDS.) PER LINEAL FT. OF STORM SEWER

Inside Diameter Wall thickness	84” 8.00”	90” 8.50”	96” 9.00”	102” 9.50”	108” 10.00”
7.8	0.795				
8.0	0.879				
8.2	0.963				
8.4	1.047	0.896			
8.6	1.131	0.984			
8.8	1.215	1.073	0.910	0.726	0.522
9.0	1.299	1.161	1.002	0.823	0.623
9.2	1.382	1.249	1.095	0.920	0.724
9.4	1.466	1.338	1.187	1.017	0.825
9.6	1.550	1.426	1.280	1.114	0.927
9.8	1.634	1.514	1.373	1.211	1.028
10.0	1.718	1.602	1.467	1.307	1.129
10.2	1.802	1.690	1.558	1.404	1.230
10.4	1.886	1.778	1.650	1.501	1.331
10.6	1.970	1.866	1.743	1.598	1.433
10.8	2.054	1.955	1.835	1.695	1.534
11.0	2.138	2.043	1.928	1.792	1.635
11.2	2.222	2.131	2.021	1.889	1.737
11.4	2.306	2.220	2.113	1.986	1.838
11.6	2.390	2.308	2.206	2.083	1.939
11.8	2.474	2.396	2.298	2.180	2.040
12.0	2.558	2.485	2.391	2.277	2.141
12.2	2.642	2.573	2.484	2.374	2.243
12.4	2.726	2.661	2.576	2.471	2.344
12.6	2.810	2.749	2.669	2.567	2.445
12.8	2.894	2.838	2.761	2.664	2.547
13.0	2.978	2.926	2.854	2.761	2.648
13.2	3.062	3.014	2.947	2.858	2.749
13.4	3.146	3.102	3.039	2.955	2.850
13.6	3.230	3.191	3.132	3.052	2.951
13.8	3.314	3.279	3.224	3.149	3.053
14.0	3.398	3.367	3.317	3.246	3.154
14.2	3.482	3.455	3.410	3.343	3.255
14.4	3.566	3.544	3.502	3.440	3.357
14.6	3.649	3.632	3.595	3.537	3.458
14.8	3.733	3.720	3.687	3.634	3.559
15.0	3.817	3.809	3.780	3.730	3.660
15.2	3.901	3.897	3.873	3.827	3.761
15.4	3.985	3.985	3.965	3.924	3.863
15.6	4.069	4.074	4.058	4.021	3.964
15.8	4.153	4.162	4.150	4.118	4.065
16.0	4.237	4.250	4.243	4.215	4.166
16.2	4.321	4.338	4.335	4.312	4.268
16.4	4.405	4.426	4.428	4.409	4.369
16.6	4.488	4.515	4.521	4.506	4.470
16.8	4.572	4.603	4.613	4.603	4.571
17.0	4.656	4.691	4.706	4.699	4.672
17.2	4.740	4.780	4.798	4.796	4.774
17.4	4.824	4.868	4.891	4.893	4.875
17.6	4.908	4.956	4.984	4.990	4.976
For each additional 0.2’ depth:					
	+0.0839	+0.0883	+0.0926	+0.0969	+0.1012

D(ft) = Average Depth of Trench from Subgrade to Invert of Pipe

CITY OF WHEATON

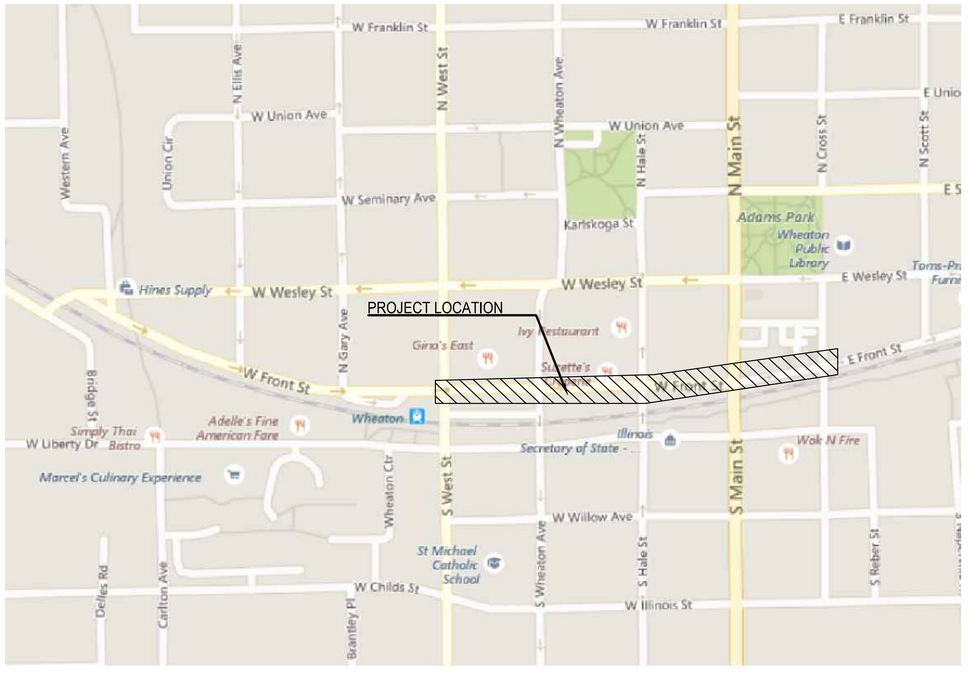
DUPAGE COUNTY, ILLINOIS

FRONT STREET
UNDERGROUND UTILITY UPGRADES

FOR INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	GENERAL NOTES AND LEGEND
3-4	SOQ
5	UTILITIES SCHEDULE
6-7	EXISTING CONDITIONS PLAN
8	TYPICAL SECTIONS
9	ALIGNMENT AND TIES PLAN
10	MOT NOTES AND LEGEND
11-18	MOT PLAN
19-23	MOT TEMPORARY DETOURS
24-26	PLAN AND PROFILE - UTILITIES
27-28	EROSION AND SEDIMENT CONTROL PLAN
29-38	DETAILS

LOCATION OF SECTION INDICATED THUS: – ■ –



LOCATION MAP

N.T.S.

0 100' 200' 300' — 1"= 100'
0 10' 20' 30' — 1"= 10'

0 50' 100' — 1"= 50'

0 50' 100' — 1"= 40'

0 50' 100' — 1"= 30'

0 50' 100' — 1"= 20'

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION

1–800–892–0123
OR 811

CITY OF WHEATON

APPROVED _____ 20____

_____
CITY ENGINEER

ROBERT J. DEMING 062-057483 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

_____ 11–30–2017
ROBERT J. DEMING, P.E. DATE

ISSUED FOR BID

Primera

100 S. Wacker Drive, Suite 700 • Chicago, IL 60606 • P 312/606-0910 • F 312/606-0415

GENERAL CONSTRUCTION NOTES

1. THE GOVERNING DOCUMENTS FOR THIS PROJECT SHALL INCLUDE THE PROJECT SPECIFICATIONS, PROJECT PLANS, THE CITY OF WHEATON STANDARDS, THE LATEST EDITION OF STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION AND THE LATEST EDITION OF STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN ILLINOIS.

2. CODES OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY TITLES, AND ALL PERTINENT O.S.H.A. REGULATIONS SHALL BE ADHERED TO FOR THE CONSTRUCTION OF THIS PROJECT.

3. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS FROM REGULATORY AGENCIES FOR PROJECT PRIOR TO BEGINNING WORK. ALL PERMIT FEES SHALL BE PAID FOR BY OWNER.

4. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING ALL INSPECTIONS REQUIRED BY PERMITTING AGENCIES.

5. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES TO MARK FIELD LOCATIONS OF THEIR FACILITIES PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND PRESERVATION OF THESE FACILITIES. ANY UTILITY LOCATIONS SHOWN ON THE PLANS ARE BASED ON AVAILABLE RECORDS AND ARE FOR GENERAL DIRECTION ONLY AND MUST BE VERIFIED BY THE CONTRACTOR IN THE FIELD. CONTRACTOR SHALL INFORM THE OWNER/ENGINEER AND THE RESPONSIBLE MUNICIPAL DEPARTMENT PRIOR TO COMMENCING WORK ON EACH CATEGORY OF CONSTRUCTION, I.E. ELECTRIC, SANITARY, STREET, STORM SEWER IMPROVEMENT, ETC. A TWENTY FOUR (24) HOUR NOTICE SHALL BE GIVEN FOR ANY ITEM THAT REQUIRES FINAL TESTING AND INSPECTION.

6. CONTRACTOR SHALL INDEMNIFY OWNER AND ENGINEER AGAINST ANY PERSONAL INJURY CLAIMS OR OTHER CLAIMS RESULTING FROM THE PERFORMANCE OF ANY WORK IN CONNECTION WITH THE INSTALLATION OF WORK. ALL CONTRACTORS AND SUBCONTRACTORS SHALL OBTAIN AND MAINTAIN COMPREHENSIVE GENERAL LIABILITY AND OTHER INSURANCE AS SPECIFIED WILL PROVIDE PROTECTION FROM ANY OF THE AFORESAID CLAIMS WHICH MAY ARISE OUT OF, OR RESULT FROM THE PERFORMANCE OF WORK BY ANYONE DIRECTLY OR INDIRECTLY EMPLOYED BY THE CONTRACTOR, OR BY ANYONE WHOSE ACTS THE CONTRACTOR MAY BE LIABLE FOR.

7. CONTRACTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE, SHOP DRAWING SCHEDULE AND PAYMENT SCHEDULE WITHIN FOURTEEN (14) DAYS OF NOTICE OF AWARD.

8. ANY SUBCONTRACTORS TO BE USED FOR PROJECT MUST BE SUBMITTED AND APPROVED BY THE CITY WITHIN FIFTEEN (15) DAYS OF THE NOTICE OF AWARD.

9. ANY OPEN EXCAVATIONS, OR OTHER POTENTIALLY DANGEROUS AREAS SHALL BE COVERED/PLATED OR BACK FILLED IN AN ACCEPTABLE MANNER AT THE END OF EACH DAY FOR THE PROTECTION OF THE CONTRACTOR'S EMPLOYEES AND GENERAL PUBLIC SAFETY.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER BRACING. SHORING, AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS BEFORE CONSTRUCTION BEGINS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS ROADWAYS AND ASSOCIATED STRUCTURES AND UTILITIES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE CITY.

11. DIMENSIONS NOT SHOWN IN THIS PLANS ARE TO BE DETERMINED BY THE MANUFACTURER/CONTRACTOR AND/OR FIELD VERIFIED DURING CONSTRUCTION BASED ON ACTUAL CONDITIONS.

12. CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING CONFLICTS BETWEEN FIELD CONDITIONS AND CONTRACT DOCUMENTS. ANY CONFLICTS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY AND CONTRACTOR SHALL REQUEST CLARIFICATION IN WRITING BEFORE PROCEEDING. IF THE CONTRACTOR PROCEEDS PRIOR TO CLARIFICATION FROM ENGINEER, THE WORK WILL BE PERFORMED AT THE CONTRACTOR'S RISK.

13. CONTRACTOR SHALL KEEP A CURRENT AND ACCURATE MASTER SET OF AS-BUILT DRAWINGS. ANY EXISTING CONDITIONS OR WORK WHICH DIFFERS FROM THE CONSTRUCTION PLANS SHALL BE NOTED AND SHOWN CORRECTLY ON THE AS-BUILT SET INCLUDING ALL DISCIPLINES. MULTIPLE SETS OF AS-BUILT DRAWINGS FOR DIFFERENT DISCIPLINES WILL NOT BE ACCEPTABLE. AS-BUILTS WILL INCLUDE POSITION AND ELEVATIONS OF ALL PROPOSED AND EXISTING PIPES EXPOSED DURING THE PROJECT. THE CONTRACTORS FAILURE TO MAINTAIN A COMPREHENSIVE SET OF THE AS-BUILT DRAWING WILL RESULT IN A DEDUCT FROM THE CONTRACT VALUE.

14. THE OWNER AND THEIR REPRESENTATIVES SHALL BE ALLOWED ACCESS TO THE SITE AT ALL TIMES. THE CONTRACTOR SHALL TAKE WHATEVER STEPS NECESSARY TO ASSURE ON-SITE SAFETY, ACCESSIBILITY, AND FULL COOPERATION WITH THE OWNER'S REPRESENTATIVE.

15. NO BURNING OR INCINERATION OF TREES, BRUSH, OR RUBBISH WILL BE PERMITTED.

16. CONTRACTOR SHALL BE PRESENT TO RECEIVE ALL DELIVERIES. OWNER WILL NOT BE RESPONSIBLE FOR RECEIVING, UNLOADING, OR STORAGE OF DELIVERIES.

17. QUANTITY LISTS ARE SUPPLIED AS A CONVENIENCE. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES ON-SITE. THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO PLANNING.

18. THE CONTRACTOR SHALL CLEAN-UP ALL WORK AREAS AT THE END OF EACH WORK DAY. ANY PUBLIC ACCESS OR ROAD THAT ARE ADJACENT TO CONSTRUCTION AREAS AND USED FOR INGRESS AND EGRESS SHALL BE MONITORED AND KEPT CLEAR OF DEBRIS, INSPECTED DAILY, AND CLEANED BY THE CONTRACTOR WHEN NECESSARY.

19. CONTRACTOR SHALL BE FINANCIALLY RESPONSIBLE FOR ANY FINES, LEGAL FEES, AND OPERATION COSTS CAUSED BY THEIR ACTIONS DURING THE CONSTRUCTION PROCESS.

20. EXISTING PAVEMENT MARKINGS REMOVED FROM CONSTRUCTION SHALL BE RESTORED IN KIND.

21. THE CONTRACTOR SHALL REPAIR ALL UTILITY DAMAGES DURING CONSTRUCTION, INCLUDING IRRIGATION SYSTEMS. SUCH REPAIRS SHALL BE INCIDENTAL TO THAT CONSTRUCTION AND WILL NOT BE PAID FOR SEPARATELY.

22. ALL DISTURBED PLANTING AREAS SHALL BE REPLACED IN KIND AS SHOWN ON THE PLANS. EXISTING TURF WHICH IS DAMAGED OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY OR EASEMENTS SHALL BE REESTABLISHED WITH SOD AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

23. ALL SALVAGEABLE FRAMES AND GRATES WHICH ARE NOT INCORPORATED IN THE WORK SHALL BE RETURNED TO THE CITY. THE CITY SHALL RETAIN THE RIGHT TO ALLOW THE CONTRACTOR TO SALVAGE THE FRAMES AND GRATES.

24. WHEN CONNECTIONS ARE TO BE MADE TO EXISTING PIPING AND STRUCTURES, THE LOCATION AND ELEVATION OF THE EXISTING PIPING OR STRUCTURE IS FOUND TO BE DIFFERENT THAN THAT SHOWN ON THE DRAWINGS WHERE SUCH DISCREPANCY IS FOUND, WORK SHALL NOT PROCEED UNTIL DIRECTED ACCORDINGLY BY THE ENGINEER.

25. WHERE THE PROPOSED COMBINATION CONCRETE CURB AND GUTTER JOINS THE EXISTING CURB AND GUTTER, A TRANSITION BETWEEN THE TWO CONFIGURATIONS MAY BE REQUIRED THIS WORK WILL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR CURB AND GUTTER OF THE SIZE AND TYPE SPECIFIED IN THE PLANS.

26. AT THE CONCLUSION OF EACH PHASED STAGE OF THE PROJECT THE CONTRACTOR SHALL BE RESPONSIBLE TO CLEAN THE PROPOSED SANITARY SEWERS BY HYDRO JET. THE CLEANING SHALL PROCEED INTO ANY ADJACENT DOWNSTREAM SEWER SYSTEM FOR A MINIMUM DISTANCE OF 1,000 LF (IF AVAILABLE). COST FOR HYDRO JETTING IS TO BE INCLUSIVE WITH UNIT COSTS OF THE PROJECT. THIS INCLUDES ALL MANHOLES AND LATERALS.

27. REMOVAL AND REPLACEMENT OF CURB AND GUTTER AT INTERSECTION RADIUS RETURNS THAT FALL WITHIN THE DRIP LINE OF PARKWAY TREES MUST BE EXCAVATED BY SMALL MACHINERY AND/OR HAND TOOLS. LOCATIONS TO BE DETERMINED BY THE ENGINEERS.

28. NON-SHEAR COUPLINGS WILL BE INCIDENTAL AT LOCATIONS WHERE NEW AND EXISTING SEWER CONNECT.

29. THE ELEVATIONS SHOWN ON THE CONSTRUCTION PLANS ARE FINISHED GRADE UNLESS NOTED OTHERWISE.

30. COMPACTION IS REQUIRED IN ALL FILL AREAS.

31. UNSUITABLE MATERIAL SHALL BE CONSIDERED AS MATERIAL WHICH IS NOT SUITABLE FOR THE SUPPORT OF PAVEMENT AND UTILITY CONSTRUCTION, AND IS ENCOUNTERED BELOW NORMAL TOPSOIL DEPTH AND THE PROPOSED SUBGRADE ELEVATION. THE DECISION TO REMOVE SAID MATERIAL, AND TO WHAT EXTENT, SHALL BE MADE BY A SOILS ENGINEER WITH THE CONCURRENCE OF THE OWNER. FILL MATERIAL SHALL BE PLACED IN LOOSE LIFTS THAT SHALL NOT EXCEED 8 INCHES.

32. ALL EXCESS MATERIAL (BROKEN CONCRETE, ASPHALT, CULVERT PIPE, WASTE ROADWAY EXCAVATOR, AND SURPLUS MATERIALS FROM UTILITY TRENCHES) SHALL BE WASTED OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY.

33. IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO SELECT DUMPING SITES. HE/SHE SHALL PROVIDE A LIST OF THESE SITES TO THE ENGINEER FOR HIS/HER EXAMINATION AND GENERAL INFORMATION.

34. PAVEMENT SAW CUTTING FOR ITEMS TO BE REMOVED ON THE PLANS, AS SPECIFIED IN SECTION 440 OF THE STANDARD SPECIFICATIONS, OR AS REQUIRED BY THE ENGINEER, SHALL BE INCLUDED IN THE COST OF THE ITEMS BEING REMOVED.

35. THE THICKNESS OF THE HMA SHOWN ON THE PLANS IS NOMINAL. DEVIATIONS MAY OCCUR IN THE FIELD DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE UPON WHICH THE HMA IS BEING PLACED.

36. THE LOCATIONS AND ELEVATIONS OF THE VARIOUS UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE NOT TO BE TAKEN AS EXACT. THE CONTRACTOR SHALL EXERCISE CARE WHEN CONDUCTION CONSTRUCTION OPERATIONS NEAR UTILITIES TO PREVENT DAMAGE. THE FAILURE OF A UTILITY COMPANY TO ACCURATELY LOCATE THEIR UTILITY DOES NOT FREE THE CONTRACTOR FROM RESPONSIBILITY. THE MAJOR CONCERN OF THE CITY OF WHEATON IS PUBLIC SAFETY.

37. ALTHOUGH A SEWER SCHEDULE IS PROVIDED AS PART OF THE PROJECT PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL STRUCTURE DEPTHS, PIPE DIAMETERS, AND ALIGNMENT PRIOR TO ORDERING MATERIALS. THE CITY SHALL REJECT ALL STRUCTURES THAT ARE INCORRECTLY CONSTRUCTED.

38. THE CONTRACTOR SHALL COOPERATE WITH THE CITY IN ANY UNDERGROUND UTILITY CONSTRUCTION WHICH THE CITY MAY WANT TO PERFORM DURING THE CONTRACTOR'S OPERATIONS.

39. AGGREGATE BASE COURSE PLACED UNDER THE PROPOSED CURB AND GUTTER SHALL NOT BE MEASURED FOR PAYMENT, BUT SHALL BE INCLUDED IN THE COST OF THE COMBINATION CURB AND GUTTER. THE QUANTITY OF THIS AGGREGATE SHALL BE OF A DEPTH SUFFICIENT TO BRING THE CURB AND GUTTER TO THE PROPOSED GRADE. ALL GUTTER FLAG SHALL BE A MINIMUM OF NINE INCHES THICK, UNLESS INDICATED OTHERWISE.

40. WHEN WATER SERVICE BOXES FALL WITHIN THE LIMITS OF CONCRETE FLATWORK, THE CONTRACTOR SHALL PROVIDE EITHER A SECTION OF 4" POLY VINYL CHLORIDE (PVC) PIPE OR 4" HIGH DENSITY POLYETHYLENE (HDPE) PIPE TO SLEEVE THE BOX. THE SLEEVE SHALL EITHER BE REMOVED OR TRIMMED TO MATCH THE EXISTING CONCRETE GRADE LEVEL. THE FINAL RESULT SHALL BE A SMOOTH FINISHED "BOX-OUT" AROUND THE SERVICE BOX WHICH SHALL FACILITATE EASY REMOVAL OF THE CAP.

41. THE CONTRACTOR SHALL USE A LASER ALIGNMENT INSTRUMENT TO MAINTAIN VERTICAL SLOPE CONTROL DURING THE INSTALLATION OF NEW SEWER BETWEEN MANHOLES. THE EXCEPTION SHALL BE WHEN THE ENGINEER APPROVES ALTERNATE PROCEDURES OR IN SITUATIONS WHEN ONLY SECTIONS OF THE SEWER ARE BEING REPLACED.

42. THE REMOVAL OF EXISTING SEWERS AND SEWER STRUCTURES SHALL BE INCLUDED IN THE INSTALLATION OF THE NEW SEWERS AND SEWER STRUCTURES IF THE PROPOSED SEWERS AND SEWER STRUCTURES ARE PLACED IN A DIFFERENT LOCATION, THE REMOVAL OF THE EXISTING SEWERS AND SEWER STRUCTURES SHALL BE PAID FOR SEPARATELY.

43. ALL FRAMES WITH CLOSED LIDS BEING FURNISHED FOR THIS PROJECT AS CONSTRUCTION, ADJUSTMENT, OR RECONSTRUCTION OF ANY MANHOLE CATCH BASIN, INLET, OR WATER VALVE VAULT SHALL HAVE CAST INTO THE LID ONE OR MORE OF THE FOLLOWING WORDS:

   A. ALL LIDS BEING USED FOR STORM SEWER MANHOLES SHALL BEAR THE WORD "STORM".
   B. ALL LIDS BEING USED FOR SANITARY MANHOLES SHALL BEAR THE WORD "SANITARY.
   C. ALL LIDS BEING USED FOR CITY'S WATER SYSTEM STRUCTURES SHALL BEAR THE WORD "WATER". THE INLCUSION OF THESE LIDS SHALL BE INCLUDED IN THE COST OF THE APPROPRIATE CONTACT LINE ITEM.

44. NO METAL RISER RINGS OR BRICK SHIMS SHALL BE USED TO ADJUST MANHOLES.

45. TELEVISION INSPECTION REPORTS FOR STORM AND SANITARY SYSTEMS ARE AVAILABLE TO THE CONTRACTOR FOR BIDDING OR CONSTRUCTION PURPOSES. AVAILABLE REPORTS CAN BE OBTAINED BY REQUEST.

46. IF AT ANY TIME DURING THE CONSTRUCTION OF THIS PROJECT LOOSE MATERIAL IS DEPOSITED INTO THE FLOW LINE OF A SEWER STRUCTURE IN SUCH A WAY AS TO RESTRICT OR OBSTRUCT THE NATURAL FLOW OF WATER IN THE STRUCTURE, THE MATERIAL SHALL BE REMOVED BEFORE THE CLOSE OF THE WORKING DAY DURING WHICH IT WAS DEPOSITED. AT THE CONCLUSION OF CONSTRUCTION ACTIVITIES AND BEFORE THE CITY ACCEPTS THE PROJECT. ALL SEWERS AND SEWER STRUCTURES THAT FALL WITHIN THE LIMITS OF THE PROJECT SHALL BE FREE OF CONSTRUCTION DEBRIS AND LOOSE MATERIAL. ALL LABOR EQUIPMENT AND MATERIALS TO ACCOMPLISH THIS WORK SHALL BE INCLUDED IN THE CONTRACT AND SHALL NOT BE PAID FOR SEPARATELY.

47. PARKING RESTRICTIONS CAN BE USED BY THE CONTRACTOR TO CLEAR THE WORK AREA. THE CONTRACTOR SHALL APPLY TO THE CITY OF WHEATON 1 WEEK PRIOR TO RESTRICTING PARKING.

48. NO PARKING SIGNS SHALL BE INCIDENTAL TO THE CONTRACT AND POSTED 48 HOURS PRIOR TO THE START OF CONSTRUCTION OPERATIONS.

49. ALL LEAD SERVICE LINES SHALL BE REPLACED FROM THE BUFFALO BOX TO THE BUILDING'S EXISTING WATER METER IN THE BUILDING'S INTERIOR. ALL WORK FROM THE BUFFALO BOX TO THE EXISTING WATER METER SHALL BE PERFORMED BY A LICENSED PLUMBER.

EARTH / GRADING / EXCAVATION

1. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE DURING CONSTRUCTION AND PREVENT STORM WATER FROM RUNNING INTO OR STANDING IN EXCAVATED AREAS.

TRAFFIC CONTROL

1. THE CONTRACTOR SHALL PROVIDE FOR THE SAFE AN ORDERLY PASSAGE OF TRAFFIC AND PEDESTRIANS WHERE HIS OPERATION ABUTS PUBLIC THOROUGHFARES AND ALL ADJACENT PROPERTY. NO OVER NIGHT CLOSURES OF ROADWAYS OR SIDEWALKS ARE PERMITTED.

2. ALL TRAFFIC CONTROL DEVICES USED ON THIS PROJECT SHALL CONFORM TO THE PLANS, SPECIAL PROVISIONS, TRAFFIC CONTROL STANDARDS, "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL DEVICES" AND THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS." NO MODIFICATION OF THESE REQUIREMENTS WILL BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER OR THE OWNER.

SOIL EROSION AND SEDIMENTATION CONTROL

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION, IMPLEMENTATION, AND MAINTENANCE OF ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES.

2. THE TEMPORARY EROSION CONTROL MEASURES SHALL BE IN PLACE AND WORK EFFECTIVELY UNTIL ALL THE PERMANENT EROSION CONTROL ITEMS ARE FULLY FUNCTIONAL.

3. THE CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES WEEKLY AND AFTER ANY STORM EVENT IN EXCESS OF 1/2 INCH. ANY DEFICIENCIES SHALL BE CORRECTED IMMEDIATELY.

4. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE DISPOSED OF WITHIN THIRTY (30) DAYS AFTER FINAL APPROVAL

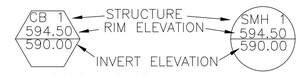
5. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE FOLLOWED WHEN EXISTING CURB AND GUTTER IS REMOVED AND EXISTING DRAINAGE STRUCTURES ARE TO REMAIN ACTIVE. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE DETAIL PROVIDED IN THE CONTRACT DOCUMENTS. ALL LABOR EQUIPMENT, AND MATERIALS NECESSARY TO PERFORM THIS WORK SHALL BE INCLUDED IN THE CONTRACT LINE ITEM COMBINATION CURB AND GUTTER REMOVAL.

ENVIRONMENTAL TESTING

1. THE CONTRACTOR SHALL REFER TO SPECIAL CONDITIONS SECTIONS 669 SPECIAL WASTE DISPOSAL; CCDD TESTING, MANAGEMENT, COMPLIANCE AND CCDD MATERIALS MANAGEMENT ALLOWANCE FOR ALL SPECIAL WASTE TESTING AND DISPOSAL REQUIREMENTS.

SURVEY LEGEND

	EXISTING
EXISTING R.O.W.	P/L
WATER MAIN	W
ELECTRIC LINE	E
GAS LINE	G
TELCO LINE	T
FIBER OPTIC LINE	F
STORM SEWER	> >
SANITARY SEWER	>
OVERHEAD TRANSMISSION LINES	OTL
METAL FENCE	□
WOOD FENCE	○
STORM MANHOLE	○
CATCH BASIN	⊘
INLET	⧄
SANITARY MANHOLE	Ⓢ
TELCO PEDESTAL	Ⓣ
WATER MANHOLE	Ⓦ
WATER VALVE	⋈
HYDRANT	
B-BOX	⊕
LIGHT POLE	
GAS VALVE	⋈
UTILITY POLE	
MAILBOX	⊡
BORING	●
SIGN	
TREE W/DIAMETER	#"ø
TOP OF FOUNDATION	T/F: 700.00
SPOT ELEVATION	X670.20



CIVIL SITE LEGEND

NEW DUCTILE IRON PIPE CLASS 52 WATERMAIN W/ POLYETHYLENE WRAP	W
NEW TYPE K COPPER WATER SERVICE	
NEW PVC, SDR 26, WATERMAIN QUALITY STORM SEWER	
NEW GATE VALVE IN VALVE BOX	
NEW FIRE HYDRANT ASSEMBLY WITH VALVE BOX	
NEW WATER SERVICE B-BOX	
NEW SANITARY MANHOLE	
NEW PVC, SDR 26 WATERMAIN QUALITY SANITARY SEWER	
NEW SANITARY LATERAL, 6 INCH WATERMAIN QUALITY	
NEW B-6.12 CURB & GUTTER	
STRIP & REMOVE SOD AND TOPSOIL/SUBGRADE AND PROVIDE SODDING, SPECIAL	
PAVEMENT REMOVAL AND REPLACEMENT (SEE TYPICAL CROSS-SECTION)	
SIDEWALK REMOVAL AND REPLACEMENT (SEE TYPICAL CROSS-SECTION)	
LINEAR ITEM REMOVAL	xxxxxxxxxxxxxxxx
ITEM TO BE REMOVED/SLAVAGED	X

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DRAWN BY DHK DATE 7/21/2017
CHECKED BY RJD SCALE NTS

Primera
100 S. Wacker Drive, Suite 700 · Chicago, IL 60606 · P 312/606-0910 · F 312/606-0615

CITY OF WHEATON, IL
303 West Wesley Street
Wheaton, Illinois 60187
630-260-2000

REVISIONS		
NO.	DATE	DESCRIPTION

FRONT STREET
UNDERGROUND UTILITY UPGRADES

GENERAL NOTES AND LEGEND

DRAWING NO. 2 OF 38

Item No.	CODED PAY ITEM NUMBER	PAY ITEM	UNIT	TOTAL QUANTITIES	FRONT STREET	RECORD QUANTITY
1	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	16	16	
2	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	18	18	
3	20200100	EARTH EXCAVATION	CU YD	4	4	
4	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	50	50	
5	20700110	POROUS GRANULAR EMBANKMENT	TON	50	50	
6	20800150	TRENCH BACKFILL	CU YD	3657	3657	
7	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	100	100	
8	28000510	INLET FILTERS	EACH	19	19	
9	31101300	SUBBASE GRANULAR MATERIAL, TYPE B 5"	SQ YD	301	301	
10	31101810	SUBBASE GRANULAR MATERIAL, TYPE B 12"	SQ YD	1605	1605	
11	40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	500	500	
12	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	640	640	
13	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	5125	5125	
14	42400800	DETECTABLE WARNINGS	SQ FT	60	60	
15	44000100	PAVEMENT REMOVAL	SQ YD	1885	1885	
16	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	581	581	
17	44000600	SIDEWALK REMOVAL	SQ FT	5125	5125	
18	55100400	STORM SEWER REMOVAL 10"	FOOT	80	80	
19	55100500	STORM SEWER REMOVAL 12"	FOOT	120	120	
20	56100025	DUCTILE IRON WATER MAIN TEE, 10" X 4"	EACH	1	1	
21	56100030	DUCTILE IRON WATER MAIN TEE, 10" X 6"	EACH	28	28	
22	56100040	DUCTILE IRON WATER MAIN TEE, 10" X 10"	EACH	4	4	
23	56100050	DUCTILE IRON WATER MAIN TEE, 12" X 6"	EACH	1	1	
24	56100065	DUCTILE IRON WATER MAIN TEE, 12" X 12"	EACH	1	1	
25	56101146	DUCTILE IRON WATER MAIN REDUCER, 6" X 4"	EACH	3	3	

Item No.	CODED PAY ITEM NUMBER	PAY ITEM	UNIT	TOTAL QUANTITIES	FRONT STREET	RECORD QUANTITY
26	56101150	DUCTILE IRON WATER MAIN REDUCER, 8" X 6"	EACH	1	1	
27	56101156	DUCTILE IRON WATER MAIN REDUCER, 10" X 8"	EACH	2	2	
28	56101162	DUCTILE IRON WATER MAIN REDUCER, 12" X 10"	EACH	1	1	
29	56102900	DUCTILE IRON WATER MAIN 4"	FOOT	11	11	
30	56103000	DUCTILE IRON WATER MAIN 6"	FOOT	593	593	
31	56103100	DUCTILE IRON WATER MAIN 8"	FOOT	39	39	
32	56103200	DUCTILE IRON WATER MAIN 10"	FOOT	1331	1331	
33	56103300	DUCTILE IRON WATER MAIN 12"	FOOT	3	3	
34	56104800	WATER VALVES 4"	EACH	1	1	
35	56104900	WATER VALVES 6"	EACH	25	25	
36	56105000	WATER VALVES 8"	EACH	2	2	
37	56105100	WATER VALVES 10"	EACH	6	6	
38	56109000	TAPPING VALVES AND SLEEVES 10"	EACH	1	1	
39	56109398	DUCTILE IRON WATER MAIN FITTINGS 6" 11.25 DEGREE BEND	EACH	1	1	
40	56109402	DUCTILE IRON WATER MAIN FITTINGS 10" 11.25 DEGREE BEND	EACH	2	2	
41	56109416	DUCTILE IRON WATER MAIN FITTINGS 4" 45.00 DEGREE BEND	EACH	8	8	
42	56109422	DUCTILE IRON WATER MAIN FITTINGS 10" 45.00 DEGREE BEND	EACH	2	2	
43	56109436	DUCTILE IRON WATER MAIN FITTINGS 10" 90.00 DEGREE BEND	EACH	1	1	
44	56200300	WATER SERVICE LINE 1"	FOOT	104	104	
45	56200500	WATER SERVICE LINE 1 1/2"	FOOT	18	18	
46	56200700	WATER SERVICE LINE 2"	FOOT	76	76	
47	56201120	WATER SERVICE LINE 4"	FOOT	64	64	
48	56201160	WATER SERVICE LINE 6"	FOOT	91	91	
49	56300300	ADJUSTING WATER SERVICE LINES	FOOT	26	26	
50	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	5	5	

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CITY OF WHEATON, IL
303 West Wesley Street
Wheaton, Illinois 60187
630-260-2000

REVISIONS		
NO.	DATE	DESCRIPTION

FRONT STREET
UNDERGROUND UTILITY UPGRADES

SCHEDULE OF QUANTITIES

DRAWING NO. 3 OF 38

Item No.	CODED PAY ITEM NUMBER	PAY ITEM	UNIT	TOTAL QUANTITIES	FRONT STREET	RECORD QUANTITY
51	56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	3	3	
52	60220200	MANHOLES, TYPE A, 4'-DIAMETER	EACH	3	3	
53	60500040	REMOVING MANHOLES	EACH	3	3	
54	60500370	FILLING VALVE BOXES	EACH	3	3	
55	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	581	581	
56	60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	6	6	
57	61000050	CONCRETE THRUST BLOCKS	EACH	87	87	
58	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	50	50	
59	66900205	SPECIAL WASTE DISPOSAL	CU YD	50	50	
60	67100100	MOBILIZATION	LSUM	1	1	
61	78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	32	32	
62	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	2100	2100	
63	78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	360	360	
64	78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	60	60	
65	X0323449	REMOVE EXISTING WATER VALVE	EACH	5	5	
66	X0323677	STREET SWEEPING	HOUR	30	30	
67	X0323760	SANITARY SEWER SERVICE, 6" PVC, COMPLETE	EACH	30	30	
68	X0326156	SANITARY SEWER, PVC (D3034) SDR 26, 12"	FOOT	890	890	
69	X0327077	REMOVE CURB STOP BOX	EACH	25	25	
70	X0327547	ABANDON EXISTING UTILITY	LSUM	1	1	
71	X0487800	SANITARY SEWER REMOVAL 12"	FOOT	890	890	
72	X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	150	150	
73	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1	
74	Z0019600	DUST CONTROL WATERING	UNIT	60	60	
75	Z0041900	POLYETHYLENE ENCASEMENT	FOOT	2064	2064	

Item No.	CODED PAY ITEM NUMBER	PAY ITEM	UNIT	TOTAL QUANTITIES	FRONT STREET	RECORD QUANTITY
76	Z0044900	PRESSURE CONNECTION 10" X 10"	EACH	1	1	
77	Z0056646	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 10"	FOOT	80	80	
78	Z0056648	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	120	120	
79	*********	FIELD LOK GASKETS FOR DUCTILE IRON WATER MAIN, 4"	EACH	10	10	
80	*********	FIELD LOK GASKETS FOR DUCTILE IRON WATER MAIN, 6"	EACH	39	39	
81	*********	FIELD LOK GASKETS FOR DUCTILE IRON WATER MAIN, 8"	EACH	4	4	
82	*********	FIELD LOK GASKETS FOR DUCTILE IRON WATER MAIN, 10"	EACH	89	89	
83	*********	FIELD LOK GASKETS FOR DUCTILE IRON WATER MAIN, 12"	EACH	2	2	
84	********	CUT AND INSTALL END CAPS	EACH	13	13	
85	********	WATER SERVICE COMPLETE	EACH	26	26	
86	********	CUT IN CONNECTIONS	EACH	8	8	
87	********	CCDD MATERIAL MANAGEMENT ALLOWANCE	LSUM	1	1	
88	********	CCDD/LUST TESTING, MANAGEMENT AND COMPLIANCE	LSUM	1	1	
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CITY OF WHEATON, IL
303 West Wesley Street
Wheaton, Illinois 60187
630-260-2000

REVISIONS		
NO.	DATE	DESCRIPTION

FRONT STREET
UNDERGROUND UTILITY UPGRADES

SCHEDULE OF QUANTITIES

DRAWING NO. 4 OF 38

INLET FILTERS			
STATION	OFFSET (FT)	RT/LT	QTY
FRONT STREET			
100+54.40	33.0	LT	1
101+00.90	30.2	LT	1
100+93.90	93.1	RT	1
105+56.40	21.7	RT	1
105+71.50	25.0	LT	1
108+16.30	22.6	RT	1
109+25.70	22.3	RT	1
109+87.88	43.7	LT	1
110+57.40	18.4	RT	1
111+83.63	19.4	RT	1
113+76.40	41.7	LT	1
113+77.70	43.2	RT	1
114+21.30	37.8	RT	1
114+21.90	42.4	LT	1
115+08.00	32.6	RT	1
117+74.10	32.3	RT	1
117+87.00	29.2	LT	1
118+19.80	22.7	RT	1
118+32.50	17.3	LT	1
TOTAL			19

FIRE HYDRANTS VALVE BOX AND ASSEMBLY			
STATION	OFFSET (FT)	RT/LT	QTY
FRONT STREET			
104+77.05	19.04	LT	1
109+31.30	20.45	LT	1
114+42.90	22.75	RT	1
TOTAL			3

FIRE HYDRANTS TO BE REMOVED AND SALVAGED			
STATION	OFFSET (FT)	RT/LT	QTY
FRONT STREET			
104+58.10	16.80	LT	1
109+42.10	24.90	LT	1
114+55.11	22.45	RT	1
117+48.81	36.18	RT	1
TOTAL			4

SANITARY SEWER SERVICE, 6 INCH PVC			
STATION	OFFSET (FT)	RT/LT	QTY
FRONT STREET			
101+53.52	1.8	LT	1
101+65.60	1.7	LT	1
101+80.70	2.2	LT	1
101+97.10	2.2	LT	1
102+36.27	2.7	LT	1
102+53.27	2.7	LT	1
102+63.12	2.7	LT	1
102+82.00	1.8	LT	1
103+28.57	2.7	LT	1
103+93.28	1.8	LT	1
104+49.20	2.8	LT	1
105+89.42	1.4	LT	1
106+61.40	2.1	LT	1
106+95.40	0.8	LT	1
107+02.02	0.4	LT	1
107+03.93	0.4	LT	1
107+89.32	0.5	LT	1
108+11.25	0.4	LT	1
108+35.36	1.3	LT	1
108+44.72	0.2	LT	1
114+38.81	25.1	LT	1
114+58.69	24.1	LT	1
114+86.37	23.0	LT	1
115+11.34	22.1	LT	1
115+33.34	21.5	LT	1
115+52.31	20.3	LT	1
115+75.28	19.3	LT	1
116+03.27	18.5	LT	1
116+29.25	17.8	LT	1
117+39.96	12.8	LT	1
TOTAL			30

NEW VALVES AND BOXES				
STATION	OFFSET (FT)	RT/LT	SIZE (IN)	QTY
FRONT				
114+80.50	33.80	LT	4	1
101+85.29	29.77	LT	6	1
101+96.52	3.10	RT	6	1
102+19.13	29.65	LT	6	1
103+00.43	25.71	RT	6	1
103+18.80	29.50	LT	6	1
104+04.54	25.02	RT	6	1
105+18.66	2.31	RT	6	1
106+47.91	30.00	LT	6	1
107+02.31	25.40	RT	6	1
107+13.48	8.86	LT	6	1
108+05.30	25.70	RT	6	1
108+22.91	29.20	LT	6	1
108+45.81	25.79	RT	6	1
108+58.06	30.43	LT	6	1
109+13.13	28.84	LT	6	1
109+19.60	26.00	RT	6	1
114+61.55	34.40	LT	6	1
115+19.65	32.80	LT	6	1
115+27.40	32.60	LT	6	1
115+44.84	32.10	LT	6	1
115+90.70	30.80	LT	6	1
116+20.35	29.70	LT	6	1
116+42.10	29.80	LT	6	1
117+25.69	27.00	LT	6	1
117+47.50	26.20	LT	6	1
104+88.17	14.64	LT	8	1
109+55.26	14.5	LT	8	1
101+01.94	7.20	LT	10	1
104+83.20	6.42	LT	10	1
109+48.00	5.80	LT	10	1
109+92.62	14.38	LT	10	1
114+09.90	21.25	LT	10	1
118+15.70	8.65	LT	10	1
TOTAL				34

CORP STOPS				
STATION	OFFSET (FT)	RT/LT	SIZE (IN)	QTY
FRONT STREET				
103+00.50	27.70	RT	1	1
107+02.32	27.30	RT	1	1
108+05.30	27.70	RT	1	1
108+22.96	31.20	LT	1	1
108+45.80	27.80	RT	1	1
108+58.10	32.40	LT	1	1
114+61.64	36.40	LT	1	1
115+27.40	35.25	LT	1	1
115+44.90	34.10	LT	1	1
116+20.50	32.00	LT	1	1
116+42.20	31.80	LT	1	1
117+25.80	29.30	LT	1	1
101+85.28	31.80	LT	1	1
103+18.80	31.20	LT	1	1
104+04.57	27.05	RT	1	1
102+19.20	31.65	LT	1.5	1
109+19.61	28.00	RT	1.5	1
115+19.60	35.50	LT	1.5	1
106+48.00	32.00	LT	2	1
107+79.53	39.01	LT	2	1
109+13.20	30.80	LT	2	1
115+90.82	32.80	LT	2	1
117+47.60	28.00	LT	2	1
TOTAL				23

NEW FITTINGS					
STATION	OFFSET (FT)	RT/LT	TYPE	SIZE (IN)	QTY
FRONT					
114+80.46	23.51	LT	TEE	10 X 4	1
101+85.39	7.00	LT	TEE	10 X 6	1
101+96.50	7.00	LT	TEE	10 X 6	1
102+19.12	6.96	LT	TEE	10 X 6	1
103+00.25	6.80	LT	TEE	10 X 6	1
103+18.76	6.77	LT	TEE	10 X 6	1
104+04.40	6.60	LT	TEE	10 X 6	1
104+77.03	6.50	LT	TEE	10 X 6	1
105+18.60	6.35	LT	TEE	10 X 6	1
106+47.90	6.00	LT	TEE	10 X 6	1
107+02.12	5.86	LT	TEE	10 X 6	1
107+13.47	5.84	LT	TEE	10 X 6	1
108+05.12	5.58	LT	TEE	10 X 6	1
108+22.86	5.53	LT	TEE	10 X 6	1
108+45.65	5.48	LT	TEE	10 X 6	1
108+58.04	5.45	LT	TEE	10 X 6	1
109+13.23	5.30	LT	TEE	10 X 6	1
109+19.41	5.28	LT	TEE	10 X 6	1
109+31.25	5.25	LT	TEE	10 X 6	1
114+36.39	24.76	LT	TEE	10 X 6	1
114+61.11	24.40	LT	TEE	10 X 6	1
115+19.70	21.78	LT	TEE	10 X 6	1
115+27.45	21.45	LT	TEE	10 X 6	1
115+44.33	20.68	LT	TEE	10 X 6	1
115+90.20	18.65	LT	TEE	10 X 6	1
116+19.62	17.34	LT	TEE	10 X 6	1
116+41.50	16.37	LT	TEE	10 X 6	1
117+24.88	12.68	LT	TEE	10 X 6	1
117+46.88	11.70	LT	TEE	10 X 6	1
104+88.19	9.64	LT	TEE	10 X 10	1
109+56.63	7.44	LT	TEE	10 X 10	1
114+02.00	15.50	LT	TEE	10 X 10	1
118+20.66	8.43	LT	TEE	10 X 10	1
100+94.04	19.60	LT	TEE	12 X 6	1
100+93.50	7.20	LT	TEE	12 X 12	1
101+96.58	6.46	RT	REDUCER	6 X 4	1
105+18.70	5.71	RT	REDUCER	6 X 4	1
107+13.50	12.33	LT	REDUCER	6 X 4	1
109+52.10	31.04	LT	REDUCER	8 X 6	1
104+88.16	9.64	LT	REDUCER	10 X 8	1
109+56.00	10.6	LT	REDUCER	10 X 8	1
100+96.56	7.20	LT	REDUCER	12 X 10	1
TOTAL					42

BBOX				
STATION	OFFSET (FT)	RT/LT	SIZE (IN)	QTY
FRONT				
102+98.71	27.61	RT	0.75	1
107+00.58	27.34	RT	0.75	1
108+03.51	27.66	RT	0.75	1
108+25.49	31.17	LT	0.75	1
108+44.10	27.70	RT	0.75	1
108+56.06	32.44	LT	0.75	1
114+59.48	36.50	LT	0.75	1
115+29.33	35.27	LT	0.75	1
115+42.74	34.08	LT	0.75	1
116+22.63	31.88	LT	0.75	1
116+40.00	31.83	LT	0.75	1
117+27.97	29.20	LT	0.75	1
101+87.28	31.78	LT	1	1
104+02.78	27.10	RT	1	1
103+23.21	31.36	LT	1	1
102+17.14	31.70	LT	1.5	1
109+17.87	28.03	RT	1.5	1
115+21.58	35.50	LT	1.5	1
106+45.91	32.00	LT	2	1
107+79.56	38.91	LT	2	1
109+20.87	30.80	LT	2	1
115+88.65	32.90	LT	2	1
117+49.72	27.80	LT	2	1
TOTAL				23

NEW BENDS					
STATION	OFFSET (FT)	RT/LT	TYPE	SIZE (IN)	QTY
FRONT					
109+50.20	40.80	LT	11.25	6	1
109+45.07	5.21	LT	11.25	10	1
109+97.50	15.3	LT	11.25	10	1
101+96.67	20.40	RT	45	4	1
102+09.13	32.70	RT	45	4	1
105+18.70	6.26	RT	45	4	1
105+21.30	8.85	RT	45	4	1
107+13.50	15.83	LT	45	4	1
107+09.50	19.90	LT	45	4	1
114+80.50	35.90	LT	45	4	1
114+77.50	38.40	LT	45	4	1
114+03.85	15.84	LT	45	10	1
114+07.90	20.90	LT	45	10	1
118+21.00	11.60	LT	90	10	1
TOTAL					14

WATER MAIN							
STATION	OFFSET	RT/LT	STATION	OFFSET	RT/LT	SIZE (IN)	QTY (FT)
FRONT STREET							
114+80.46	23.51	LT	114+80.50	33.80	LT	4	10.40
101+85.39	7.00	LT	101+85.29	29.77	LT	6	28.8
101+96.50	7.00	LT	101+96.58	6.46	RT	6	11.4
102+19.12	6.96	LT	102+19.13	29.65	LT	6	22.7
103+00.25	6.80	LT	103+00.43	25.71	RT	6	32.5
103+18.76	6.77	LT	103+18.80	29.50	LT	6	22.7
104+04.40	6.60	LT	104+04.54	25.02	RT	6	31.6
104+77.03	6.50	LT	104+77.02	19.00	LT	6	12.5
105+18.60	6.35	LT	105+18.62	5.71	RT	6	12.1
106+47.90	6.00	LT	106+47.91	30.00	LT	6	24.0
107+02.12	5.86	LT	107+02.31	25.40	RT	6	31.3
107+13.47	5.84	LT	107+13.48	8.86	LT	6	3.0
108+05.12	5.58	LT	108+05.30	25.70	RT	6	31.3
108+22.86	5.53	LT	108+22.91	29.20	LT	6	23.7
108+45.65	5.48	LT	108+45.81	25.79	RT	6	31.3
108+58.04	5.45	LT	108+58.06	30.43	LT	6	25.0
109+13.23	5.30	LT	109+13.13	28.84	LT	6	23.5
109+19.41	5.28	LT	109+19.60	26.00	RT	6	31.3
109+31.25	5.25	LT	109+31.31	20.43	LT	6	15.0
109+52.10	31.00	LT	109+50.34	45.80	LT	6	15.0
114+36.39	24.76	LT	114+42.90	22.75	RT	6	47.9
114+61.11	24.40	LT	114+61.55	34.40	LT	6	12.8
115+19.70	21.78	LT	115+19.65	32.80	LT	6	11.0
115+27.45	21.45	LT	115+27.40	32.60	LT	6	11.2
115+44.33	20.68	LT	115+44.84	32.10	LT	6	11.4
115+90.20	18.65	LT	115+90.70	30.80	LT	6	15.3
116+19.62	17.34	LT	116+20.35	29.70	LT	6	12.4
116+41.50	16.38	LT	116+42.10	29.80	LT	6	13.4
117+24.88	12.68	LT	117+25.69	27	LT	6	14.3
117+46.88	11.7	LT	117+47.50	26.2	LT	6	14.5
104+88.18	9.64	LT	104+88.12	27.55	LT	8	17.91
109+55.95	10.57	LT	109+52.10	31.00	LT	8	20.80
100+96.60	7.20	LT	104+88.20	6.47	LT	10	391.60
104+88.20	6.47	LT	104+88.18	9.64	LT	10	3.50
104+88.20	6.47	LT	109+56.63	7.44	LT	10	465.30
109+56.63	7.44	LT	109+55.95	10.57	LT	10	3.00
109+56.63	7.44	LT	110+02.50	15.25	LT	10	44.10
114+01.94	15.50	LT	118+20.70	8.43	LT	10	417.50
118+20.70	8.43	LT	118+20.60	6.43	LT	10	2.00
118+20.70	8.43	LT	118+23.10	11.70	LT	10	4.00
100+93.78	7.10	LT	100+96.60	7.20	LT	12	3.00
TOTAL							1976

WATER MAIN QUALITY STORM							
STATION	OFFSET	RT/LT	STATION	OFFSET	RT/LT	SIZE (IN)	QTY (FT)
FRONT STREET							
105+12.70	16.2	LT	105+11.18	10.79	RT	10	30.0
105+25.44	39.6	LT	105+11.18	10.79	RT	10	50.0
105+70.83	25.5	LT	105+11.18	10.79	RT	12	70.0
117+86.62	28.5	LT	118+10.22	13.74	RT	12	50.0
TOTAL							200

MANHOLES TO BE REMOVED AND REPLACED			
STATION	OFFSET (FT)	RT/LT	QTY
FRONT STREET			
100+72.24	2.0	LT	1
105+02.82	2.3	LT	1
109+61.88	0.2	LT	1
TOTAL			3

15 INCH SANITARY SEWER R&R						
STATION	OFFSET	RT/LT	STATION	OFFSET	RT/LT	QTY
FRONT STREET						
100+72.43	2.15	LT	105+2.82	2.34	LT	430.44
105+2.82	2.34	LT	109+61.88	0.16	LT	459.07
TOTAL						890

WATER SERVICE LINES							
STATION	OFFSET	RT/LT	STATION	OFFSET	RT/LT	SIZE (IN)	QTY (FT)
FRONT STREET							
103+00.43	25.71	RT	102+96.95	30.00	RT	1	6.00
107+02.32	27.30	RT	106+58.80	29.60	RT	1	6.00
108+05.30	27.70	RT	108+01.80	29.70	RT	1	6.00
108+22.96	31.20	LT	108+28.10	33.30	LT	1	6.00
108+45.80	27.80	RT	108+42.35	29.80	RT	1	6.00
108+58.10	32.40	LT	108+54.00	34.30	LT	1	6.00
114+61.64	36.40	LT	114+57.40	36.60	LT	1	6.00
115+27.40	35.25	LT	115+31.75	38.95	LT	1	6.00
115+44.90	34.10	LT	115+40.76	38.00	LT	1	9.00
116+20.50	32.00	LT	116+24.75	31.80	LT	1	5.00
116+42.20	31.80	LT	116+38.00	33.10	LT	1	6.00
117+25.80	29.30	LT	117+30.20	31.30	LT	1	6.00
101+85.28	31.80	LT	101+89.27	33.80	LT	1	10.00
103+18.80	31.20	LT	103+27.60	33.50	LT	1	10.00
104+04.57	27.05	RT	104+01.12	32.50	RT	1	10.00
102+19.13	29.65	LT	102+15.10	32.70	LT	1.5	6.00
109+19.61	28.00	RT	109+16.12	30.30	RT	1.5	6.00
115+19.60	35.50	LT	115+23.73	37.50	LT	1.5	6.00
106+48.00	32.00	LT	106+43.88	33.10	LT	2	6.00
107+79.48	5.65	LT	107+79.59	44.53	LT	2	40.00
109+13.20	30.80	LT	109+28.63	32.80	LT	2	18.00
115+90.82	32.80	LT	115+86.35	33.00	LT	2	6.00
117+47.60	28.00	LT	117+52.05	32.47	LT	2	6.00
101+96.52	3.10	RT	102+09.15	34.70	RT	4	34.00
105+18.68	5.71	RT	105+21.33	14.30	RT	4	10.00
107+13.50	12.33	LT	107+09.47	21.88	LT	4	12.00
114+80.50	33.80	LT	114+77.64	40.50	LT	4	8.00
101+85.29	29.77	LT	101+85.30	33.80	LT	6	4.00
102+19.13	29.65	LT	102+19.20	33.65	LT	6	4.00
103+00.43	25.71	RT	103+00.50	29.70	RT	6	4.00
103+18.80	29.50	LT	103+18.81	33.50	LT	6	4.00
104+04.54	25.02	RT	104+04.60	30.05	RT	6	4.00
106+47.91	30.00	LT	106+47.95	34.00	LT	6	4.00
107+02.31	25.40	RT	107+02.33	29.30	RT	6	4.00
107+13.48	8.86	LT	107+13.50	12.33	LT	6	2.00
108+05.30	25.70	RT	108+05.33	30.75	RT	6	5.00
108+22.91	29.20	LT	108+22.91	32.26	LT	6	3.00
108+45.81	25.79	RT	108+45.85	30.80	RT	6	5.00
108+58.06	30.43	LT	108+58.10	34.40	LT	6	4.00
109+13.13	28.84	LT	109+13.12	32.80	LT	6	4.00
109+19.60	26.00	RT	109+19.63	31.00	RT	6	4.00
114+61.55	34.40	LT	114+61.73	38.40	LT	6	4.00
115+19.65	32.80	LT	115+19.62	37.50	LT	6	4.00
115+27.40	32.60	LT	115+27.37	37.30	LT	6	4.00
115+44.84	32.10	LT	115+45.00	36.10	LT	6	4.00
115+90.70	30.80	LT	115+90.90	34.80	LT	6	4.00
116+20.35	29.70	LT	116+20.60	34.04	LT	6	4.00
116+42.10	29.80	LT	116+42.30	33.80	LT	6	4.00
117+25.69	27.00	LT	117+25.97	31.30	LT	6	4.00
117+47.50	26.20	LT	117+47.70	30.00	LT	6	4.00
TOTAL							353

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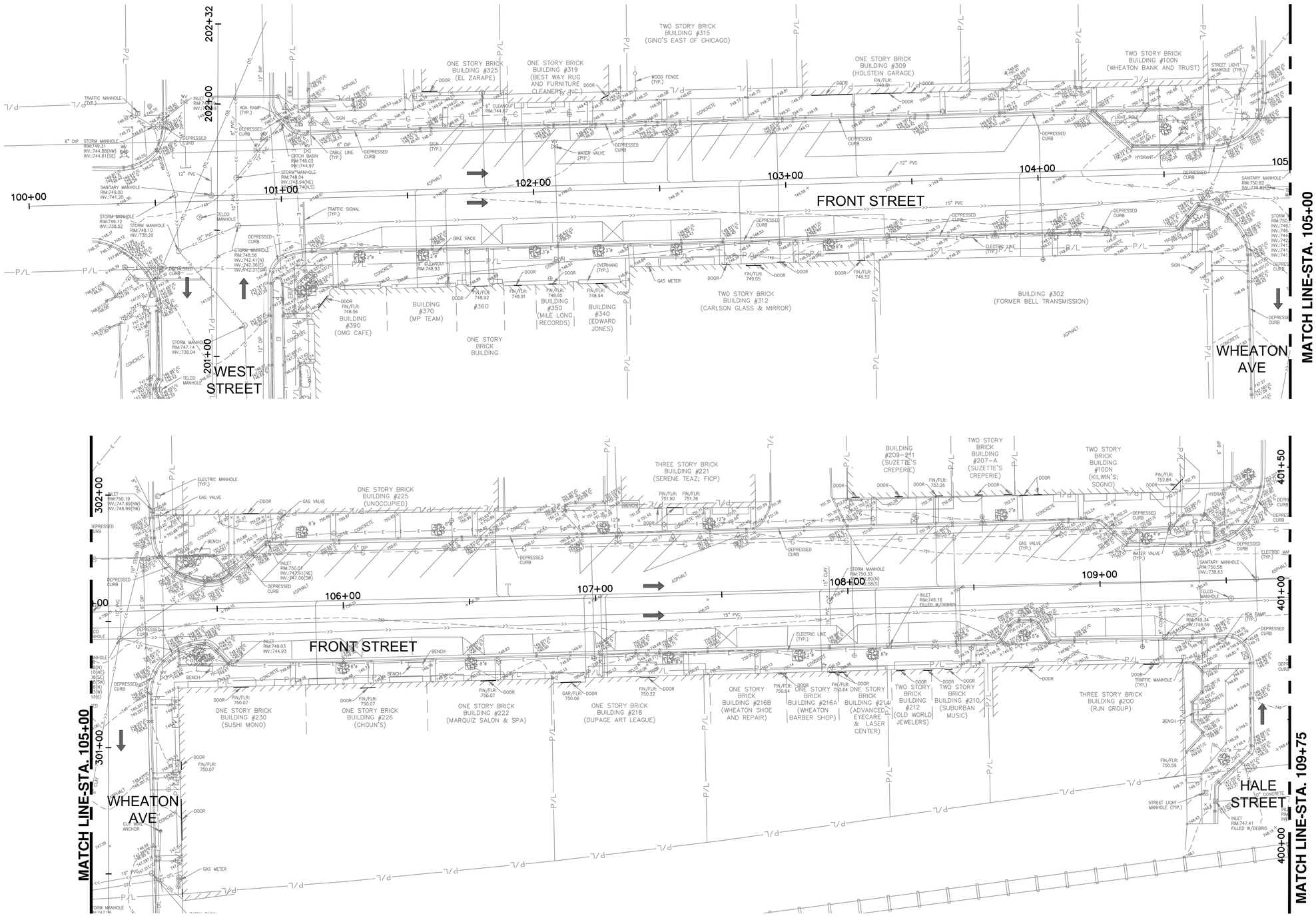
FRONT STREET
UNDERGROUND UTILITY UPGRADES

UTILITY SCHEDULE

DRAWING NO. 5 OF 38



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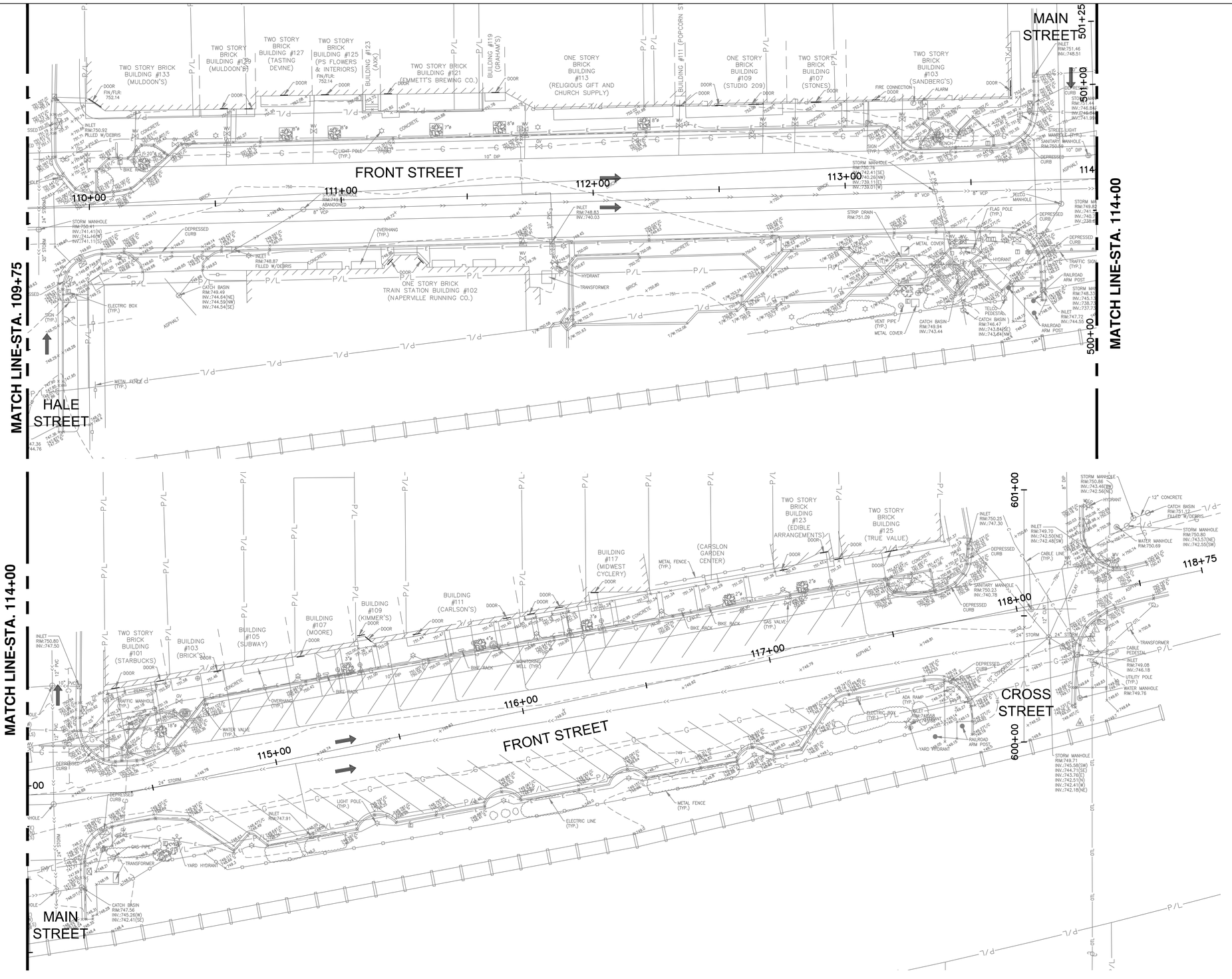
FRONT STREET UNDERGROUND UTILITY UPGRADES

EXISTING CONDITIONS PLAN

DRAWING NO. 6 OF 38



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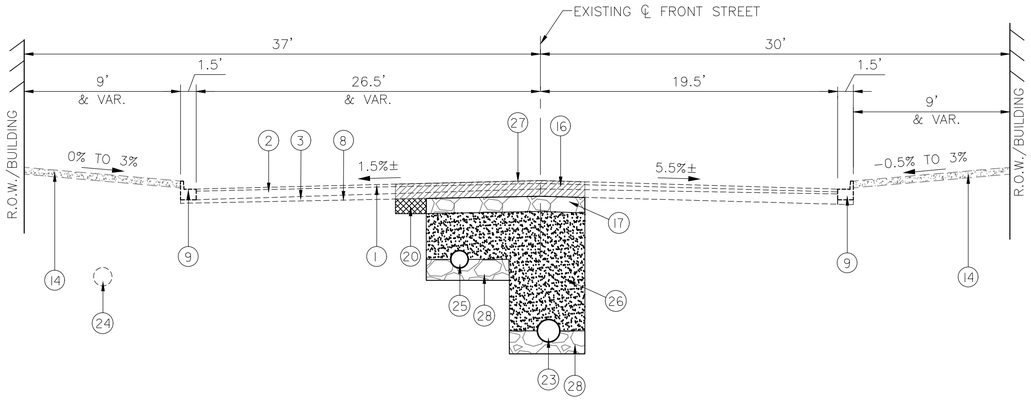
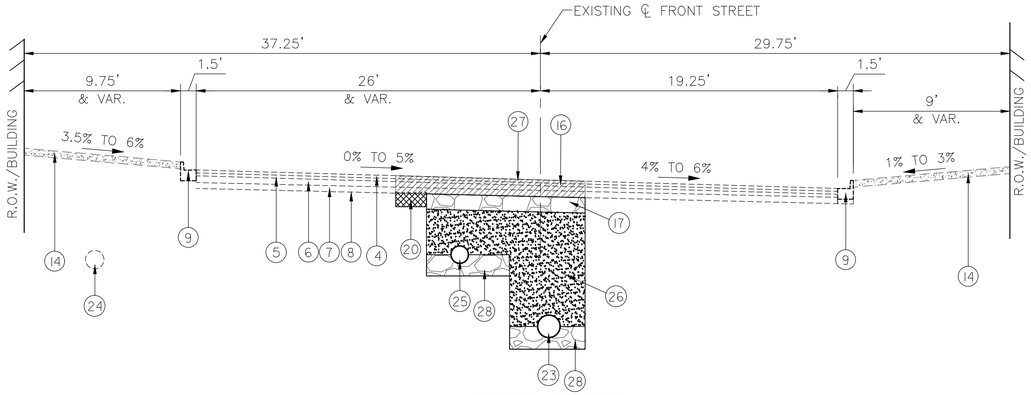
FRONT STREET UNDERGROUND UTILITY UPGRADES

EXISTING CONDITIONS PLAN

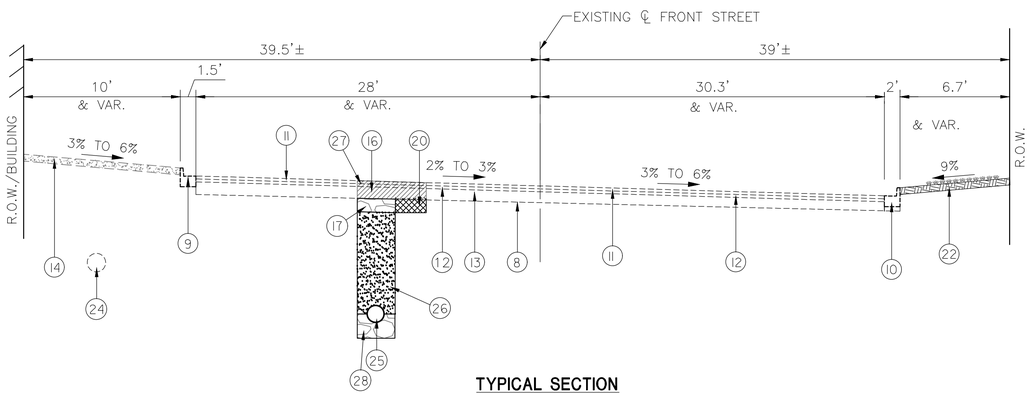
DRAWING NO. 7 OF 38



TYPICAL SECTION
FRONT STREET
WEST TO WHEATON



TYPICAL SECTION
FRONT STREET
WHEATON TO HALE



TYPICAL SECTION
FRONT STREET
MAIN TO CROSS

LEGEND

1. EXISTING SURFACE COURSE, APPROXIMATELY 3.75"
2. EXISTING BINDER COURSE, APPROXIMATELY 5"
3. EXISTING AGGREGATE BASE COURSE, 11"
4. EXISTING SURFACE COURSE, APPROXIMATELY 1.5"
5. EXISTING BINDER COURSE, APPROXIMATELY 3.5"
6. EXISTING BRICK PAVERS
7. EXISTING AGGREGATE BASE COURSE, 7"
8. EXISTING COMPACTED SUBGRADE
9. EXISTING CONCRETE CURB & GUTTER B-6.12
10. EXISTING CONCRETE CURB & GUTTER B-6.18
11. EXISTING SURFACE COURSE, APPROXIMATELY 2"
12. EXISTING BINDER COURSE, APPROXIMATELY 4"
13. EXISTING AGGREGATE BASE COURSE, 8"
14. EXISTING SIDEWALK
15. NEW B-6.12 CONCRETE CURB & GUTTER*
16. NEW 6" HMA BINDER COURSE, IL-19.0, N50
17. NEW 12" CA-6 AGGREGATE BASE COURSE.
18. NEW PCC SIDEWALK, 5"*
19. SUBBASE GRANULAR MATERIAL, TYPE B, 6"*
20. REMOVAL & DISPOSAL OF UNSUITABLE MATERIALS
21. POROUS GRANULAR EMBANKMENT
22. EXISTING LANDSCAPING
23. 15" SANITARY SEWER TO BE REMOVED & REPLACED WITH WATERMAIN QUALITY PIPE
24. EXISTING WATERMAIN TO BE ABANDONED AND CAPPED
25. PROPOSED 10" WATER MAIN
26. TRENCH BACKFILL
27. PAVEMENT REMOVAL
28. PIPE BEDDING (INCIDENTAL TO PIPE/SEWER)

* AREAS OF NEW SIDEWALK & PCC CURB AND GUTTER ARE FOR AREAS OF WATER & SANITARY SERVICES

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	**AIR VOIDS**
FRONT STREET TEMPORARY PAVEMENT (ADT 0 -10,000)	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 6"	4% @ 50 Gyr.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

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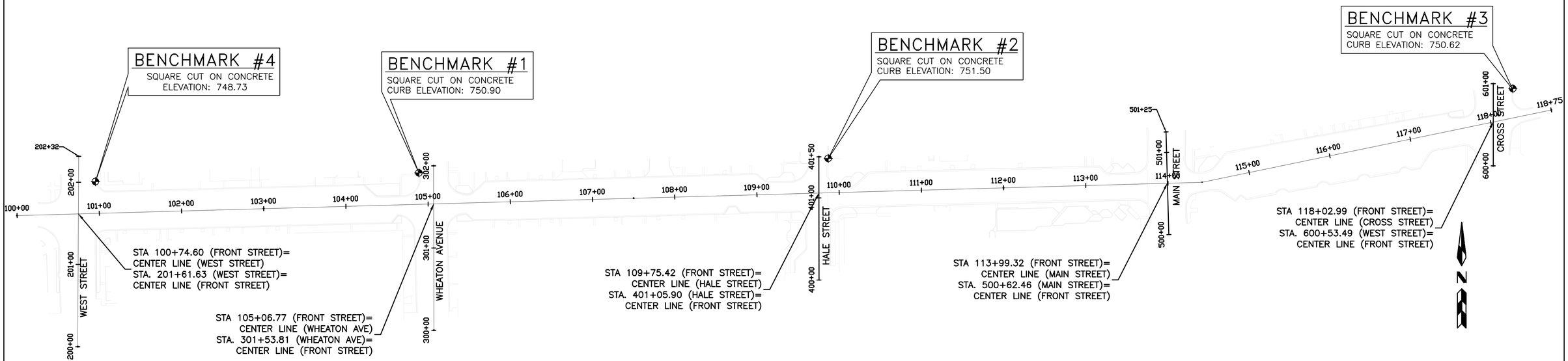
FRONT STREET UNDERGROUND UTILITY UPGRADES

TYPICAL CROSS SECTIONS

DRAWING NO. 8 OF 38



PROPOSED FRONT STREET CENTERLINE COORDINATE TABLE		
STATION	NORTHING	EASTING
100+00.00	1893388.56	1044605.28
103+00.00	1893397.01	1044905.19
107+50.00	1893409.68	1045355.01
112+00.00	1893422.35	1045804.80
114+41.51	1893429.16	1046046.21
118+75.10	1892517.11	1046470.79

PROPOSED WEST STREET CENTERLINE COORDINATE TABLE		
STATION	NORTHING	EASTING
200+00.00	1892229.05	1044679.07
201+61.63	1893390.66	1044679.85
202+31.69	1892460.72	1044680.19

PROPOSED WHEATON AVE CENTERLINE COORDINATE TABLE		
STATION	NORTHING	EASTING
300+00.00	1893249.03	1045112.04
301+53.81	1893402.83	1045111.85
302+00.00	1893449.02	1045111.80

PROPOSED HALE STREET CENTERLINE COORDINATE TABLE		
STATION	NORTHING	EASTING
400+00.00	1893310.13	1045580.38
401+05.90	1893416.03	1045580.31
401+50.00	1893460.13	1045580.29

PROPOSED MAIN STREET CENTERLINE COORDINATE TABLE		
STATION	NORTHING	EASTING
500+00.00	1893365.52	1046005.75
500+62.46	1893427.89	1046004.05
501+25.00	1893490.40	1046002.35

PROPOSED CROSS STREET CENTERLINE COORDINATE TABLE		
STATION	NORTHING	EASTING
600+00.00	1893449.00	1046400.18
600+53.49	1893502.48	1046400.18
601+00.00	1893549.00	1046400.19

CONTROL POINTS						
CONTROL POINT NO.	LOCATION		NORTHING	EASTING	ELEVATION	DESCRIPTION
	STATION	OFFSET				
FRONT STREET						
1	104+89.99	38.22 LT	1893440.56	1045094.00	750.90	CUT SQUARE
2	109+87.91	41.69 LT	1893458.05	1045591.63	751.50	CUT SQUARE
3	118+34.46	34.80 LT	1893542.95	1046423.94	750.62	CUT SQUARE
4	100+96.45	38.59 LT	1893429.85	1044700.60	748.73	CUT SQUARE

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FRONT STREET
UNDERGROUND UTILITY UPGRADES

ALIGNMENT AND TIES PLAN

DRAWING NO. 9 OF 38

GENERAL NOTES FOR TRAFFIC CONTROL

1. ROAD WORK ALLOWED TO TAKE PLACE FROM 7 A.M. TO DUSK.

2. MAINTAIN PEDESTRIAN AND ADA ACCCESS AT 3 OF 4 CROSSWALKS AT ALL TIMES.

3. DRAWING ILLUSTRATES GENERAL DESIGN. ROAD AND SIDEWALK CLOSURES SHOULD BE STAGGERED AS TO MINIMIZE IMPACT ON TRAFFIC FLOW.

4. CONTRACTOR TO MAINTAIN ACCESS TO ALL DRIVEWAYS AND ONE WAY STREETS AT ALL TIMES. CONTRACTOR TO COORDINATE CLOSURES WITH AFFECTED PROPERTY OWNERS AND/OR TENANTS PRIOR TO WORK NEAR DRIVEWAY ACCESSES. CONTRACTOR TO MAINTAIN ONE (1) LANE OF TRAFFIC IN ALL DIRECTIONS AT ALL TIMES UNLESS A DETOUR IS PROPOSED.

5. FRONT STREET BUSINESS OWNERS SHALL BE NOTIFIED 72 HOURS IN ADVANCE OF CONSTRUCTION OPERATIONS WHICH MAY AFFECT THEIR DAILY SCHEDULE. THE CONTRACTOR SHALL COORDINATE WORK THROUGH THE RESIDENT ENGINEER IN ORDER TO AVOID ANY INCONVENIENCE TO LOCAL BUSINESSES.

6. ALL TRAFFIC CONTROL OPERATIONS WITHIN THE LIMITS OF THIS PROJECT SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING:

   - STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS ADOPTED APRIL 1, 2016
   - FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS
   - THE CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION'S REGULATIONS FOR OPENINGS, CONSTRUCTION AND REPAIR IN THE PUBLIC WAY

   CONSTRUCTION ALONG ROADWAYS SHALL BE COORDINATED WITH THE CITY OF WHEATON'S ENGINEERING DEPARTMENT AND THE OWNER TO ENSURE THAT THE CONVENIENCE AND SAFETY OF THE GENERAL PUBLIC AND OF PROPERTY OWNERS AND TENANTS ALONG THE ROADWAY SHALL BE PROVIDED FOR IN AN ADEQUATE AND SATISFACTORY MANNER. AT NO TIME SHALL THE EXISTING ROADWAYS BE CLOSED TO TRAFFIC, UNLESS APPROVED BY THE CITY OF WHEATON. DURING CONSTRUCTION OPERATIONS ACCESS SHALL BE PROVIDED TO PRIVATE PROPERTY ALONG EXISTING ROADWAYS. THE CONTRACTOR(S) SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS, BARRICADES, AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC. ALL PARKING RESTRICTIONS MUST BE APPROVED BY THE CITY OF WHEATON. AT THE COMPLETIONS OF WORK, ALL PARKING RESTRICTION SIGNS ARE TO BE REMOVED BY CONTRACTOR.

7. THIS TRAFFIC PLAN IS INTENDED TO GUIDE THE CONTRACTOR IN DIVERTING THE EXISTING TRAFFIC FLOWS IN A SAFE AND EFFICIENT MANNER DURING THE COURSE OF THE PROJECT. THE SAFETY OF THE PUBLIC IS OF PARAMOUNT IMPORTANCE, AND MUST NEVER BE COMPROMISED.

8. LANE CLOSURE LENGTH FOR TRAFFIC CONTROL DEVICES IS DEFINED AS $L = WS^2/60$ WHERE
   L = TAPER LENGTH IN FEET
   W = WIDTH OF OFFSET IN FEET
   S = POSTED SPEED LIMIT IN MPH
   WHEREVER APPLICABLE, THE TRAFFIC CONTROL PLANS UNDER THIS COVER UTILIZE THIS FORMULA IN DETERMINING TAPER LENGTHS FOR ALL LANE REDUCTIONS. THE APPROPRIATE TAPER LENGTH (L) SHOULD BE DETERMINED USING THE CRITERIA SHOWN IN TABLES 6C-3 AND 6C-4.

9. PRIOR TO THE BEGINNING OF WORK IN A GIVEN WORK LOCATION, ALL TRAFFIC CONTROL DEVICES SHALL BE IN PLACE AT THAT LOCATION.

10. DETAILS OF TRAFFIC CONTROL DEVICES CAN BE FOUND IN THE IDOT STANDARD NO. 701901.

11. REFER TO TYPICAL TEMPORARY TRAFFIC CONTROL SIGNS FOR TEMPORARY TRAFFIC CONTROL SIGNS WHEN NECESSARY FOR CONSTRUCTION IN PROPOSED PHASING AREAS.

12. ALL DIMENSIONS GIVEN ARE FOR TRAFFIC CONTROL PURPOSES ONLY. REFER TO CONSTRUCTION DRAWINGS FOR PROJECT DETAILS.

13. ARROW BOARDS ARE OPTIONAL ON ONE WAY STREETS WHEN THE PARKING LANE IS NOT UTILIZED AS A TRAFFIC LANE DURING CONSTRUCTION HOURS.

14. ANY SIGNS THAT ARE TO BE IN PLACE FOR MORE THAN FOUR (4) DAYS MUST HAVE A VERTICAL CLEARANCE OF 7 FEET FROM THE TOP OF PAVEMENT TO THE BOTTOM THE F SIGN. THESE SIGNS SHALL BE POST MOUNTED IN THE GROUND WHERE POSSIBLE.

15. ALL TRAFFIC LANES AND PARKING SPACES SHALL BE REOPENED AT THE END OF EACH CONSTRUCTION DAY.

16. THE ACTUAL LOCATION OF NO PARKING SIGNS WILL BE DEPENDENT ON THE CURRENT STAGE OF CONSTRUCTION.

17. ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE CONSTRUCTION ACTIVITIES ARE TAKING PLACE SHALL BE COMPLETELY COVERED BY THE CONTRACTOR

18. SIZES OF SIGNS NOT SPECIFIED IN THE PLANS SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF THE STATE OF ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

19. SIDEWALK ACCESS SHALL BE MAINTAINED ON ONE SIDE OF THE STREET AT ALL TIMES. CLOSED SIDEWALKS SHALL BE PROPERLY BARRICADED AND SIGNED IN ACCORDANCE WITH IDOT STANDARD 701801.

20. THE "SIDEWALK CLOSED – USE OTHER SIDE" SIGN SHALL BE PLACED AT THE NEAREST CROSSWALK OR INTERSECTION TO EACH END OF THE SIDEWALK CLOSURE. IF THE SIDEWALK CLOSURE OCCURS AT A CORNER, THE SIGNS SHALL BE ERECTED ON THE CORNERS ACROSS THE STREET FROM THE CLOSURE. THE "SIDEWALK CLOSED" SIGNS SHALL BE USED AT THE ENDS OF THE ACTUAL CLOSURE. SIDEWALK CLOSURES SHALL CONFORM TO IDOT STANDARD 701801.

21. WHERE A HANDICAPPED PEDESTRIAN RAMP IS RESTRICTED DUE TO A CLOSURE, TEMPORARY RAMPS SHALL BE PROVIDED. THIS SHALL BE INCIDENTAL TO THE PROJECT.

22. DO NOT REMOVE EXISTING WHITE STOP BARS UNLESS OTHERWISE NOTED ON PAVEMENT MARKING PLANS OR DIRECTED BY THE ENGINEER.

23. ALL DRUMS OR TYPE II BARRICADES SHALL BE PLACED AT 25' CENTERS WITHIN THE FIRST 250' OF CLOSURES AND THROUGHOUT THE TURN LANES; ELSEWHERE THEY ARE TO BE PLACED AT 50' CENTERS, MAXIMUM, OR AS DIRECTED BY THE ENGINEER.

24. THE COST OF ARROW BOARDS SHALL BE CONSIDERED INCIDENTAL TO TRAFFIC CONTROL AND PROTECTION.

25. LANE CLOSURES FOR ALL INTERSECTION IMPROVEMENTS SHALL BE IN ACCORDANCE WITH IDOT STANDARDS 701606 AND/OR 701701.

TYPICAL TEMPORARY TRAFFIC CONTROL SIGNS

(NOTE: TEXT BELOW REFERS TO MUTCD IDENTIFIERS)

①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭
W4-2R	W4-2L	W6-3	R11-2	R3-1	R3-2	W20-2	W20-3	W20-5R	W20-5L	W20-7	W20-I103	W21-1a	G20-2
36"x36" 48"x48"	36"x36" 48"x48"	36"x36" 48"x48"	48"x30"	24"x24"	24"x24"	36"x36" 48"x48"	36"x36" 48"x48"	36"x36" 48"x48"	36"x36" 48"x48"	36"x36" 48"x48"	36"x36" 48"x48"	36"x36" 48"x48"	36"x36" 48"x48"

⑮	⑯	⑰	⑱	⑲	⑳	㉑	㉒	㉓	㉔	㉕	㉖	㉗	㉘
M4-8	M4-8a	M4-9L	M4-9R	M6-1L	M6-1R	W20-I103	R3-7R	R3-7L	W11-1	R11-4	R7-201-5	W20-4	M4-8
24"x12" 30"x15"	24"x18"	30"x24" 48"x36"	30"x24" 48"x36"	21"x15"	21"x15"	48"x48"	30"x30"	30"x30"	48"x48"	60"x30"	24"x30"	48"x48"	24"x12" 30"x15"

LEGEND

- EX. GAS MAIN TO BE RETIRED
- PROP. GAS INSTALLATION
- PROP. TRAFFIC CONTROL PRESTAGE
- PROP. TRAFFIC CONTROL STAGE
- PROP. TRAFFIC DIRECTION
- EXISTING TRAFFIC DIRECTION
- ARROW BOARD
- SIGN
- FLAGGER
- DRUM FOR 2-WAY TRAFFIC CHANNELIZATION WITH STEADY BURN BI-DIRECTIONAL LIGHTS
- TYPE II BARRICADE WITH STEADY BURN LIGHT
- TYPE III BARRICADE WITH TWO FLASHING LIGHTS

SUGGESTED SEQUENCE OF MAINTENANCE OF TRAFFIC:

PRESTAGE
1. REMOVE LANDSCAPED ISLAND AND CURBING AT STATION 108+50± ON SOUTH SIDE OF ROAD.
2. INSTALL NEW CURB AND HMA BINDER AND AGGREGATE BASE.
3. MOVING TEMPORARY CLOSURE TO SAWCUT EXISTING PAVEMENT, CURBING, AND SIDEWALKS.

STAGE 1
1. TEMPORARY CLOSURE OF WEST AND FRONT WITH DETOUR.
2. CLOSURE OF NORTH HALF OF FRONT STREET FROM WEST STREET TO WHEATON AVENUE
3. TEMPORARY CLOSURE OF WHEATON AND FRONT WITH DETOUR.
4. CLOSURE OF NORTH HALF OF FRONT STREET FROM WHEATON TO HALE STREET.
5. TEMPORARY CLOSURE OF HALE AND FRONT WITH A TEMPORARY DETOUR.
6. REPEAT OF STEPS 2. THROUGH 6.

STAGE 2
1. CLOSURE OF SOUTH HALF OF FRONT STREET FROM WEST STREET TO WHEATON AVENUE.
2. TEMPORARY CLOSURE OF WHEATON AND FRONT WITH DETOUR.
3. CLOSURE OF SOUTH HALF OF FRONT STREET FROM WHEATON TO HALE STREET.
4. TEMPORARY CLOSURE OF HALE STREET AND FRONT STREET .
5. TEMPORARY CLOSURE OF MAIN AND FRONT WITH TEMPORARY DETOUR.
6. CLOSURE OF NORTHERN PORTION OF FRONT STREET FROM MAIN TO CROSS.
7. TEMPORARY CLOSURE OF CROSS AND FRONT WITH DETOUR.

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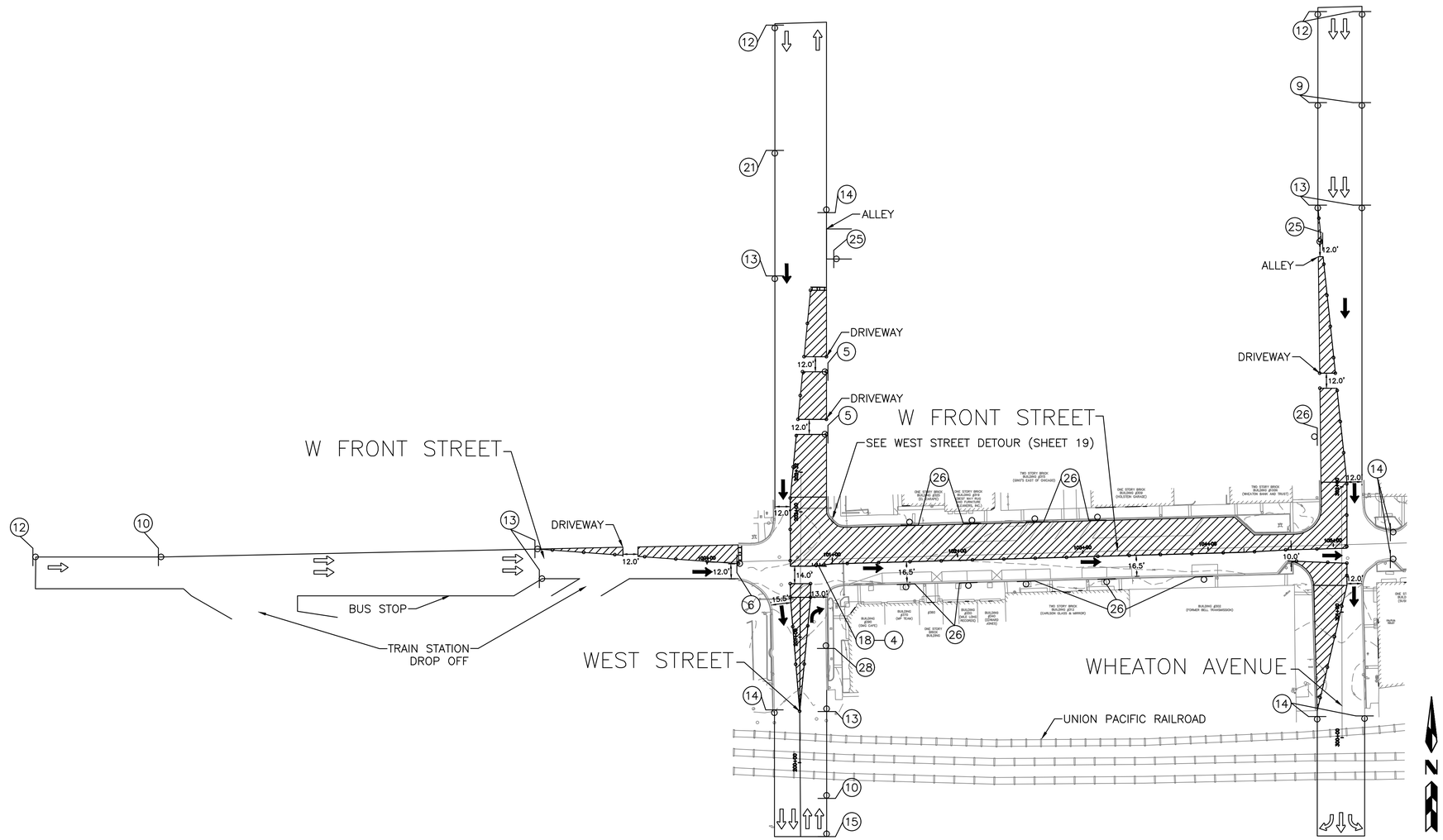
REVISIONS		
NO.	DATE	DESCRIPTION

FRONT STREET
UNDERGROUND UTILITY UPGRADES

MAINTENANCE OF TRAFFIC
NOTES AND LEGEND

DRAWING NO.
10 OF 38



STAGE I

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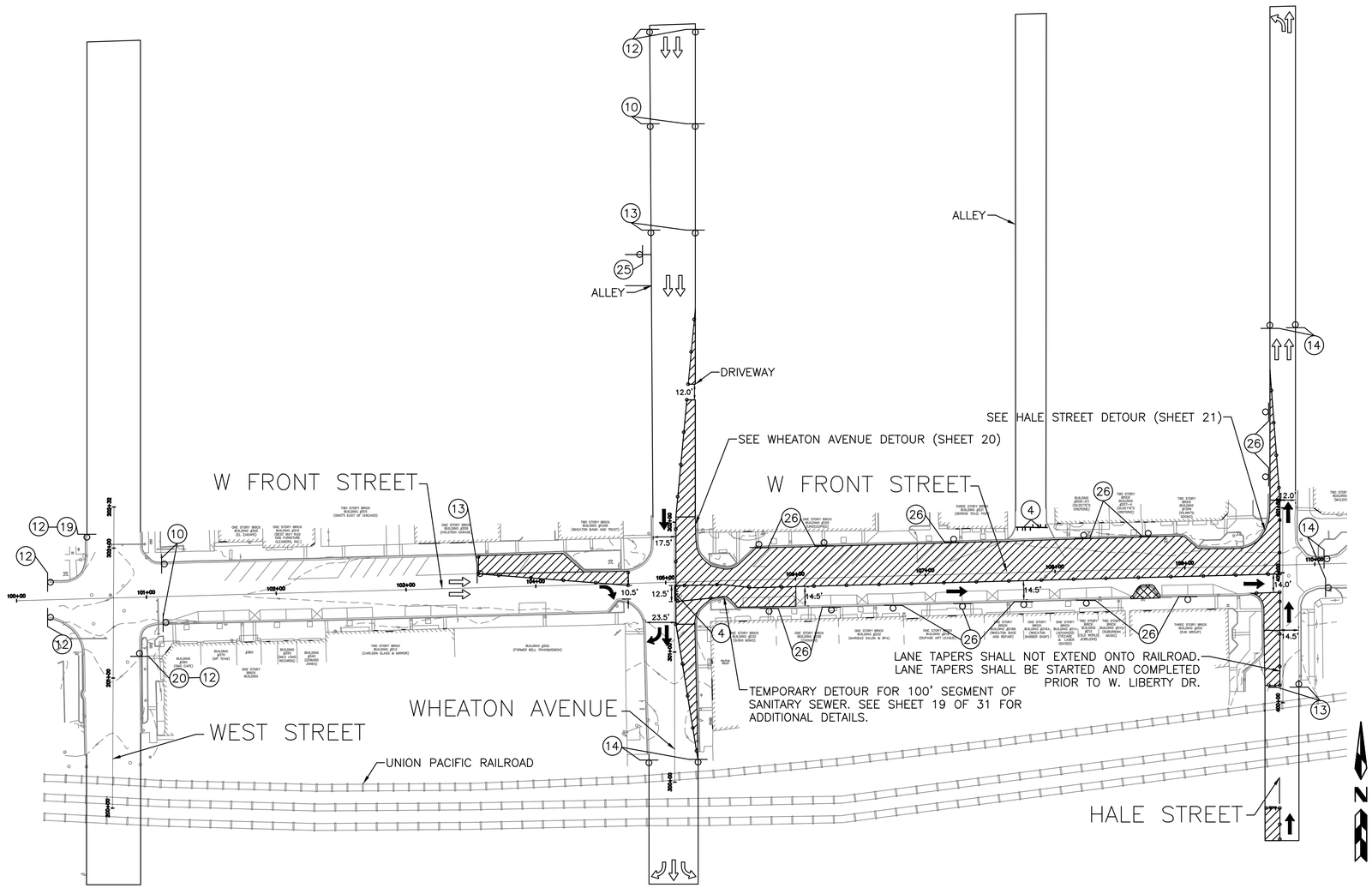
CHECKED BY RJD	SCALE 1" = 50'	Primera 100 S. Wacker Drive, Suite 700 · Chicago, IL 60606 · P 312/606-0910 · F 312/606-0415	FRONT STREET UNDERGROUND UTILITY UPGRADES STAGE 1 MAINTENANCE OF TRAFFIC PLAN WEST STREET TO WHEATON AVE
			DRAWING NO. 11 OF 38



STAGE I

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CHECKED BY RJD	SCALE 1" = 50'	303 West Wesley Street Wheaton, Illinois 60187 630-260-2000	FRONT STREET UNDERGROUND UTILITY UPGRADES
Primera 100 S. Wacker Drive, Suite 700 · Chicago, IL 60606 · P 312/606-0910 · F 312/606-0415			STAGE 1 MAINTENANCE OF TRAFFIC PLAN WHEATON AVE TO HALE STREET
			DRAWING NO. 12 OF 38

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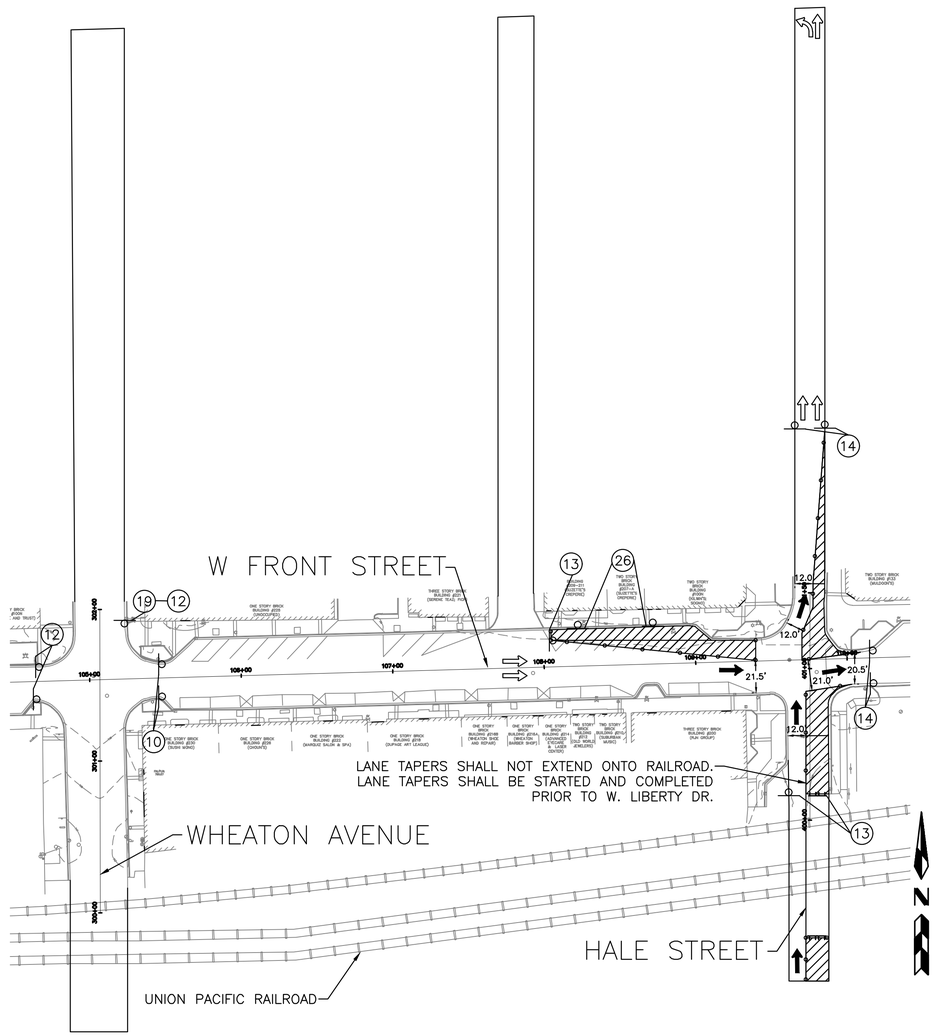

STAGE I

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FRONT STREET
UNDERGROUND UTILITY UPGRADES

STAGE 1 MAINTENANCE OF TRAFFIC PLAN WHEATON AVE TO HALE STREET

DRAWING NO. 13 OF 38

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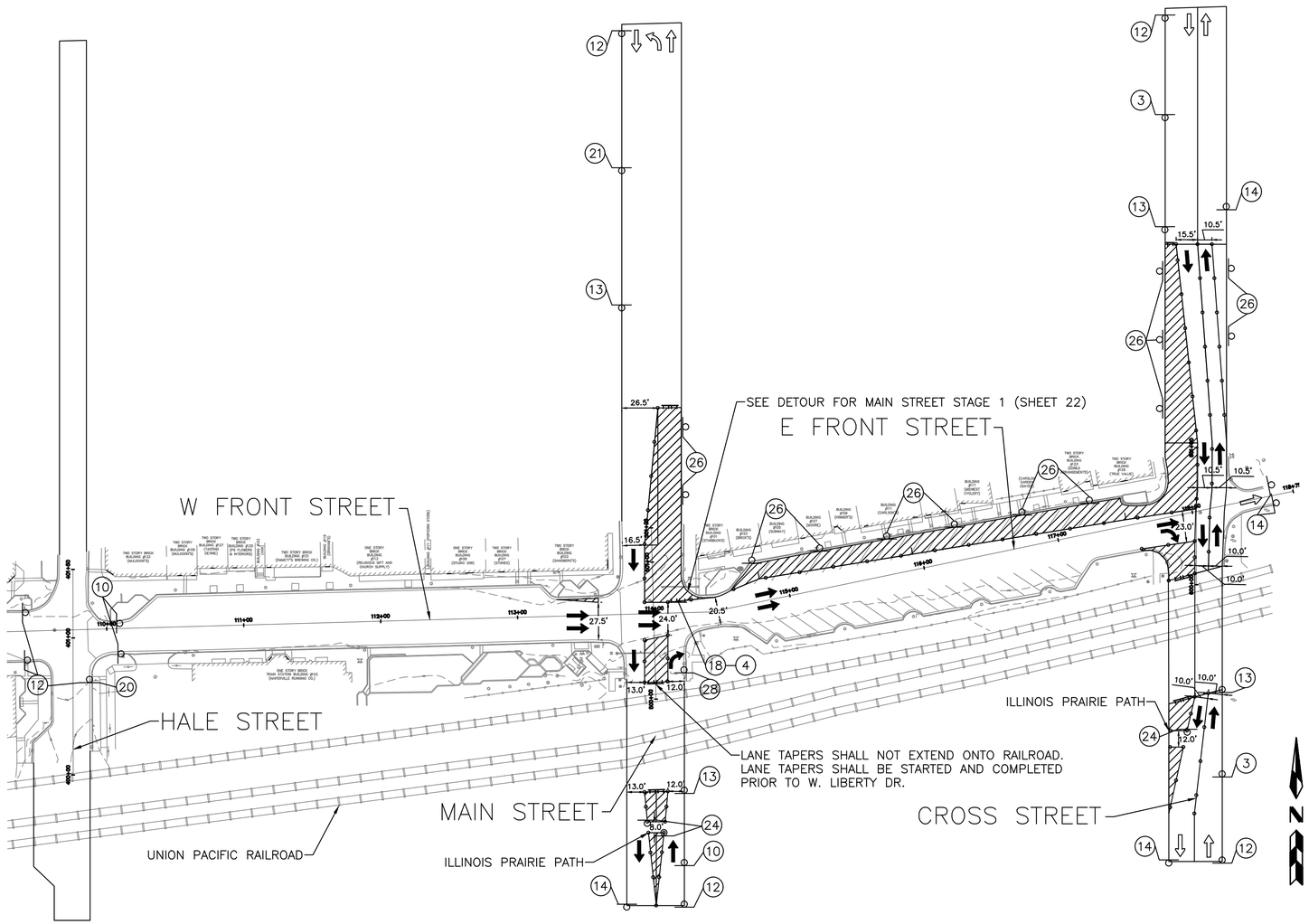

STAGE 1

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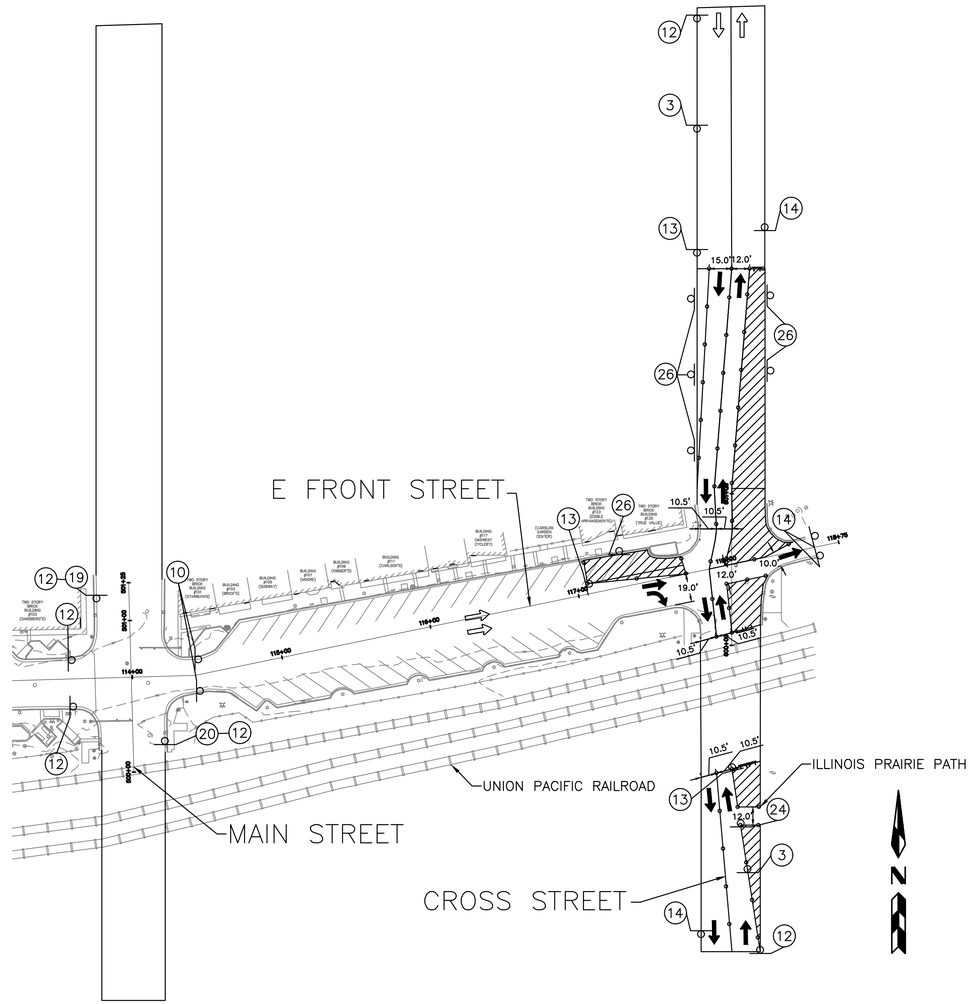
FRONT STREET UNDERGROUND UTILITY UPGRADES

STAGE 1 MAINTENANCE OF TRAFFIC PLAN MAIN STREET TO CROSS STREET

DRAWING NO. 14 OF 38



STAGE 1

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FRONT STREET
UNDERGROUND UTILITY UPGRADES

STAGE 1 MAINTENANCE OF TRAFFIC PLAN MAIN STREET TO CROSS STREET

DRAWING NO. 15 OF 38

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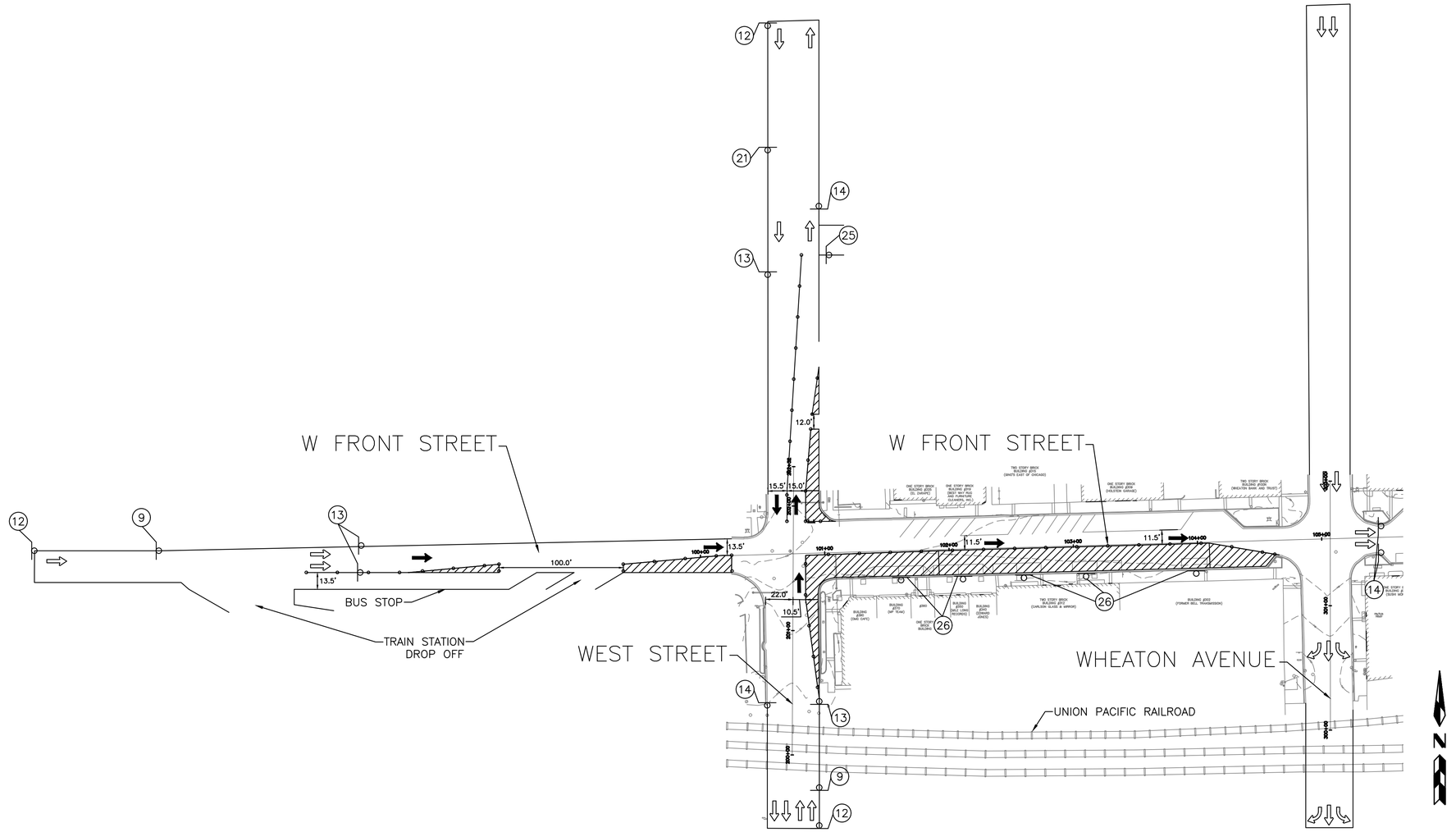

STAGE II

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FRONT STREET
UNDERGROUND UTILITY UPGRADES

STAGE 2 MAINTENANCE OF TRAFFIC PLAN WEST STREET TO WHEATON AVE

DRAWING NO. 16 OF 38

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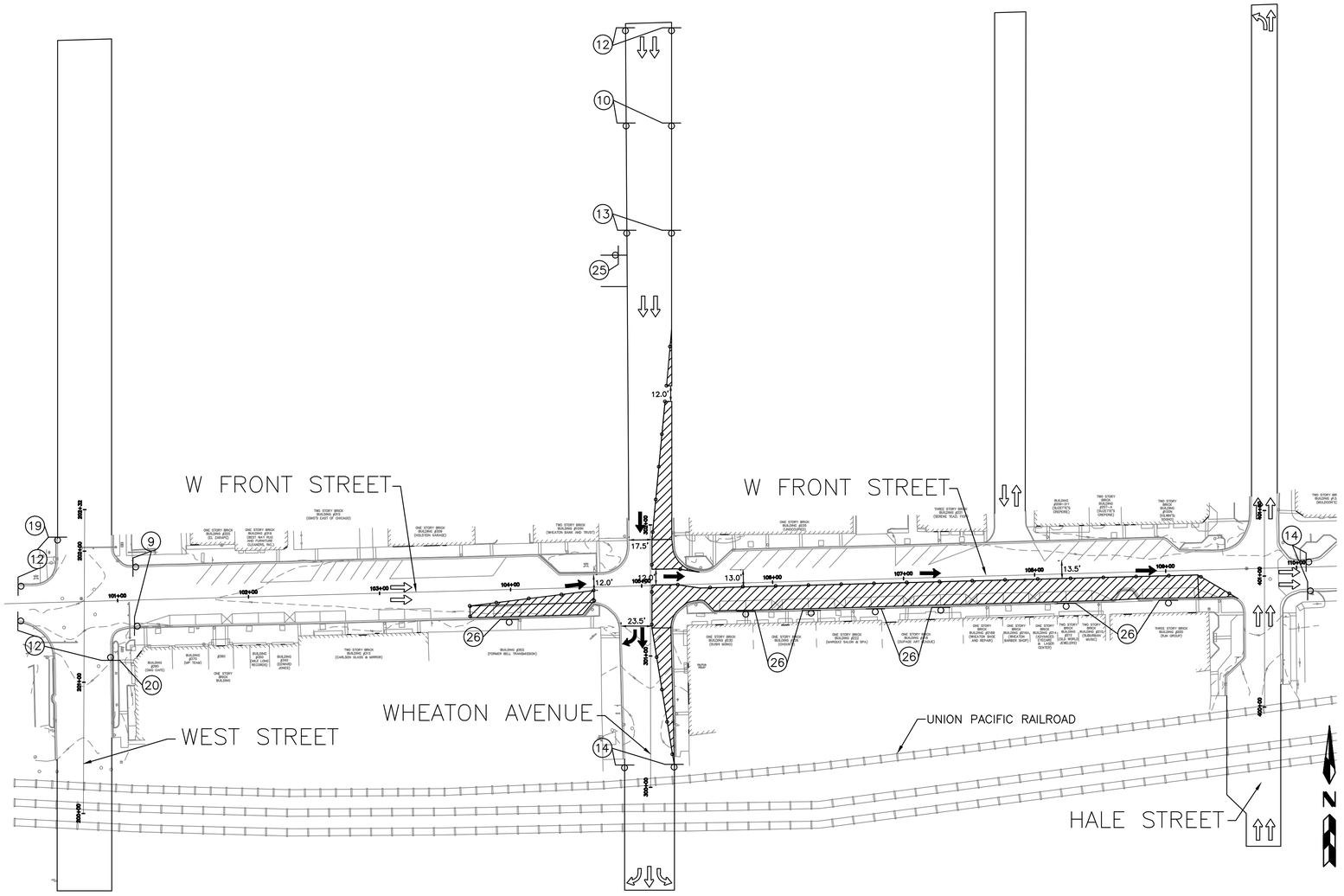

STAGE II

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FRONT STREET UNDERGROUND UTILITY UPGRADES

STAGE 2 MAINTENANCE OF TRAFFIC PLAN WHEATON AVE TO HALE STREET

DRAWING NO. 17 OF 38

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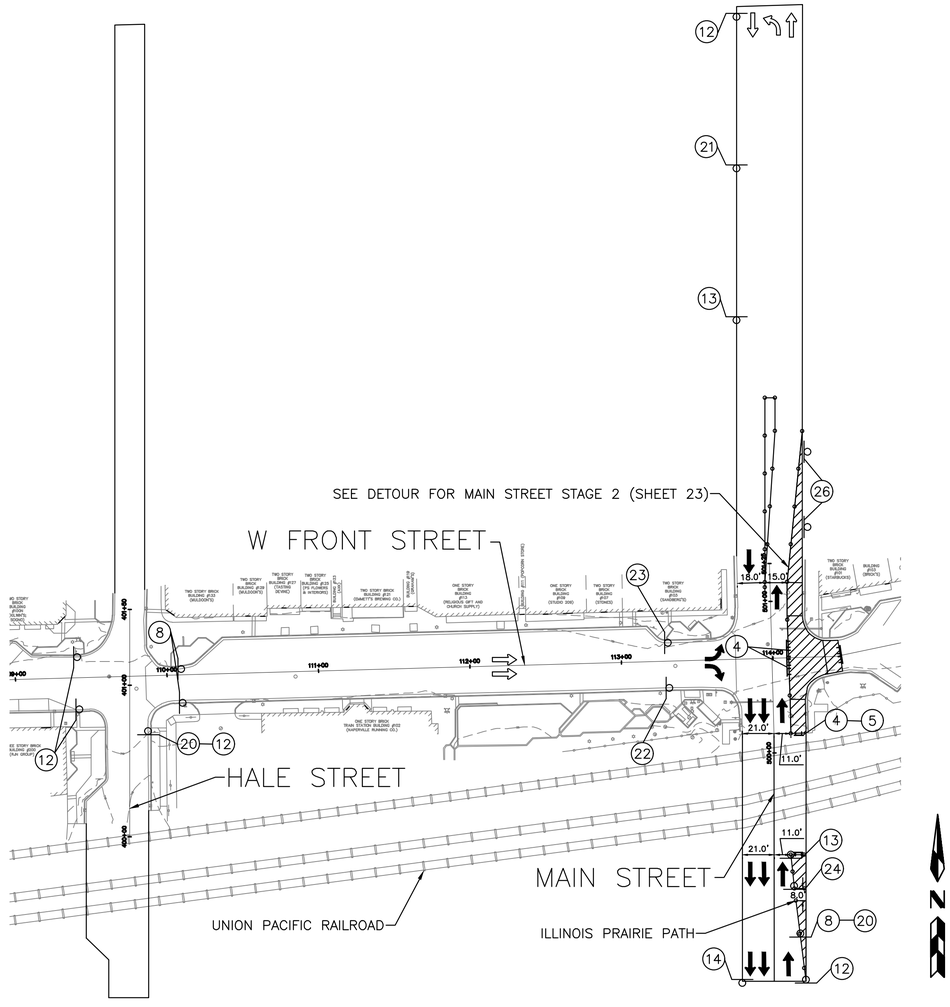

STAGE II

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FRONT STREET
UNDERGROUND UTILITY UPGRADES

STAGE 2 MAINTENANCE OF TRAFFIC PLAN MAIN STREET TO CROSS STREET

DRAWING NO. 18 OF 38

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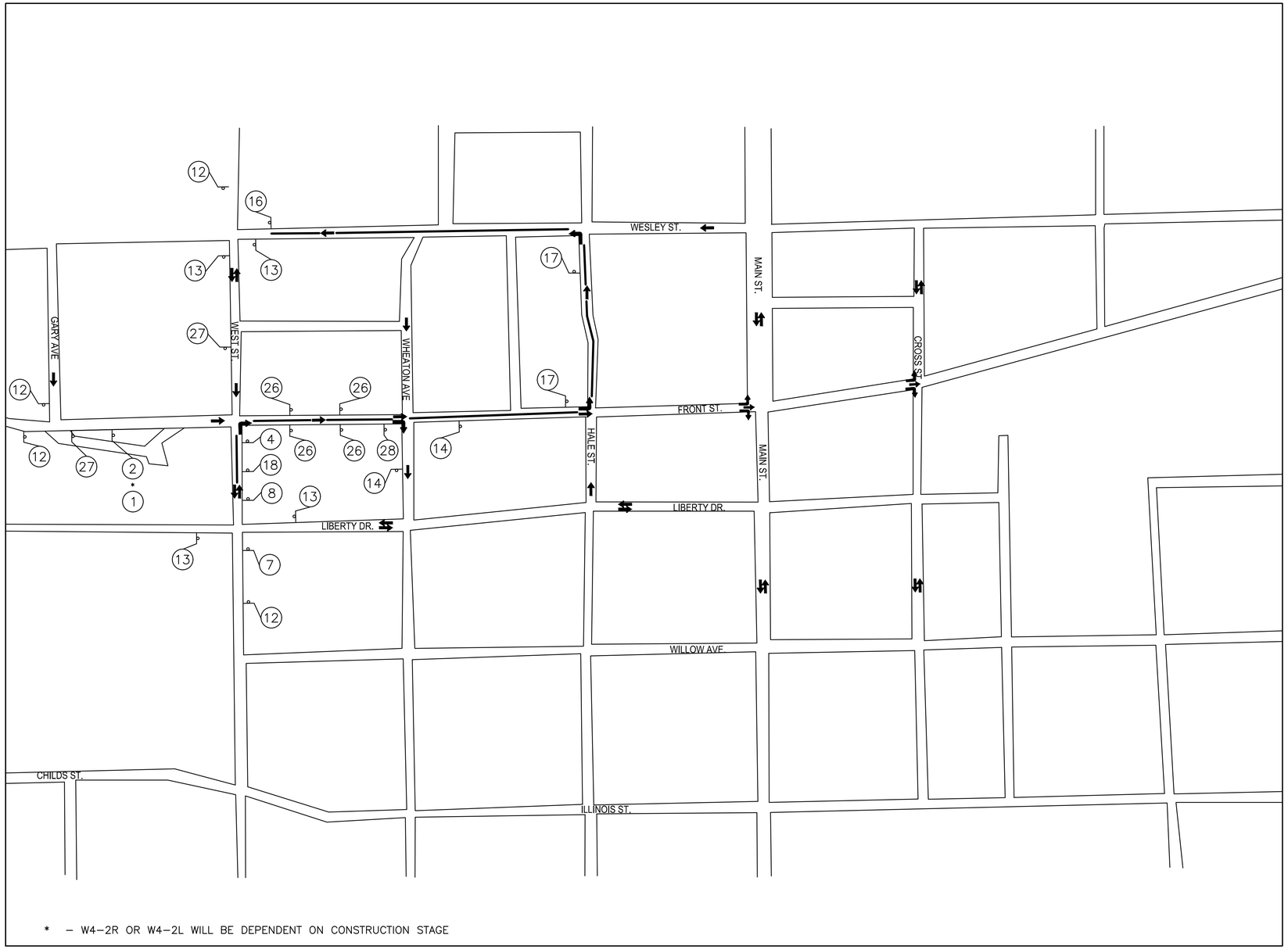

TEMPORARY TRAFFIC CONTROL SIGNS REQUIRED FOR THIS DETOUR

①	②	④	⑥	⑦
W4–2R	W4–2L	R11–2	R3–2	W20–2
36"x36" 48"x48"	36"x36" 48"x48"	48"x30"	24"x24"	36"x36" 48"x48"

⑧	⑫	⑬	⑭	⑯
W20–3	W20–I103	W21–1a	G20–2	M4–8a
36"x36" 48"x48"	36"x36" 48"x48"	36"x36" 48"x48"	36"x36" 48"x48"	24"x18"

⑰	⑱	㉖	㉗	㉘
M4–9L	M4–9R	R7–201–5	W20–4	M4–8
30"x24" 48"x36"	30"x24" 48"x36"	24"x30"	48"x48"	24"x12" 30"x15"

NOTE: DETOUR IS ONLY FOR THE CONNECTION WORK ON WEST STREET. ONCE WORK IS COMPLETED ON WEST STREET, DETOUR SHALL BE REMOVED. ALL STREETS SHALL BE OPEN TO TRAFFIC AFTER EACH WORK DAY.

0' 75' 150' 450'
SCALE: 1" = 150'

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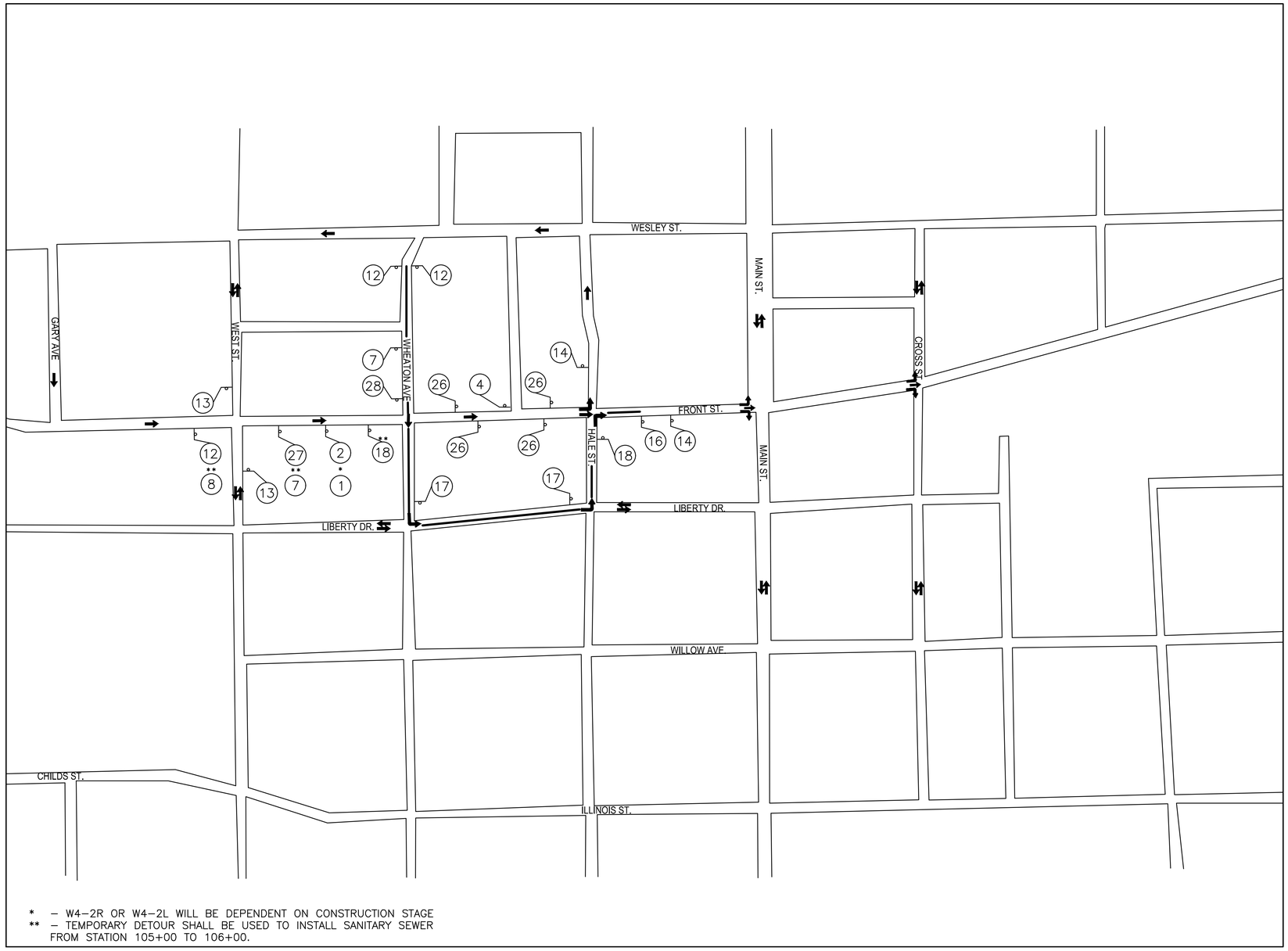
FRONT STREET
UNDERGROUND UTILITY UPGRADES

TEMPORARY DETOUR PLAN
WEST STREET

DRAWING NO. 19 OF 38



* – W4–2R OR W4–2L WILL BE DEPENDENT ON CONSTRUCTION STAGE
** – TEMPORARY DETOUR SHALL BE USED TO INSTALL SANITARY SEWER FROM STATION 105+00 TO 106+00.

0' 75' 150' 450'
SCALE: 1" = 150'

TEMPORARY TRAFFIC CONTROL SIGNS REQUIRED FOR THIS DETOUR

① W4–2R	② W4–2L	④ R11–2	⑥ R3–2	⑦ W20–2
36"x36" 48"x48"	36"x36" 48"x48"	48"x30"	24"x24"	36"x36" 48"x48"
⑧ W20–3	**⑫ W20–I103**	**⑬ W21–1a**	**⑭ G20–2**	**⑯ M4–8a**
36"x36" 48"x48"	36"x36" 48"x48"	36"x36" 48"x48"	36"x36" 48"x48"	24"x18"
⑰ M4–9L	**⑱ M4–9R**	**㉖ R7–201–5**	**㉗ W20–4**	**㉘ M4–8**
30"x24" 48"x36"	30"x24" 48"x36"	24"x30"	48"x48"	24"x12" 30"x15"

NOTE: DETOUR IS ONLY FOR THE CONNECTION WORK ON WHEATON AVENUE.
ONCE WORK IS COMPLETED ON WHEATON AVENUE, DETOUR SHALL BE REMOVED.
ALL STREETS SHALL BE OPEN TO TRAFFIC AFTER EACH WORK DAY.

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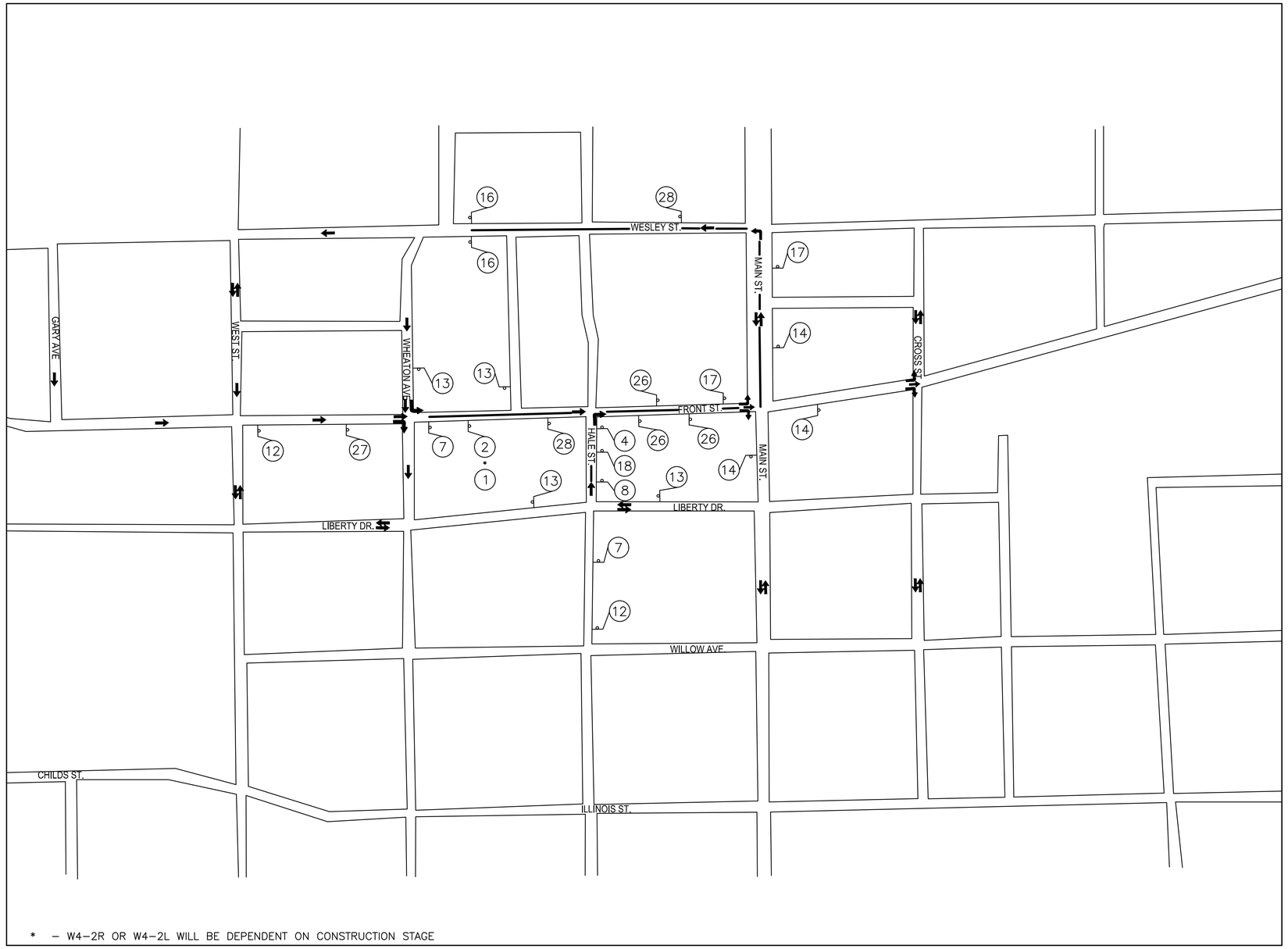
NO.	DATE	DESCRIPTION

FRONT STREET
UNDERGROUND UTILITY UPGRADES

TEMPORARY DETOUR PLAN
WHEATON AVENUE

DRAWING NO.
20 OF 38



NOTE: DETOUR IS ONLY FOR THE CONNECTION WORK ON HALE STREET. ONCE WORK IS COMPLETED ON HALE STREET, DETOUR SHALL BE REMOVED.
ALL STREETS SHALL BE OPEN TO TRAFFIC AFTER EACH WORK DAY.

0' 75' 150' 450'
SCALE: 1" = 150'

TEMPORARY TRAFFIC CONTROL SIGNS REQUIRED FOR THIS DETOUR

①	②	④	⑥	⑦
W4–2R	W4–2L	R11–2	R3–2	W20–2
36”x36” 48”x48”	36”x36” 48”x48”	48”x30”	24”x24”	36”x36” 48”x48”

⑧	⑫	⑬	⑭	⑯
W20–3	W20–I103	W21–1a	G20–2	M4–8a
36”x36” 48”x48”	36”x36” 48”x48”	36”x36” 48”x48”	36”x36” 48”x48”	24”x18”

⑰	⑱	㉖	㉗	㉘
M4–9L	M4–9R	R7–201–5	W20–4	M4–8
30”x24” 48”x36”	30”x24” 48”x36”	24”x30”	48”x48”	24”x12” 30”x15”

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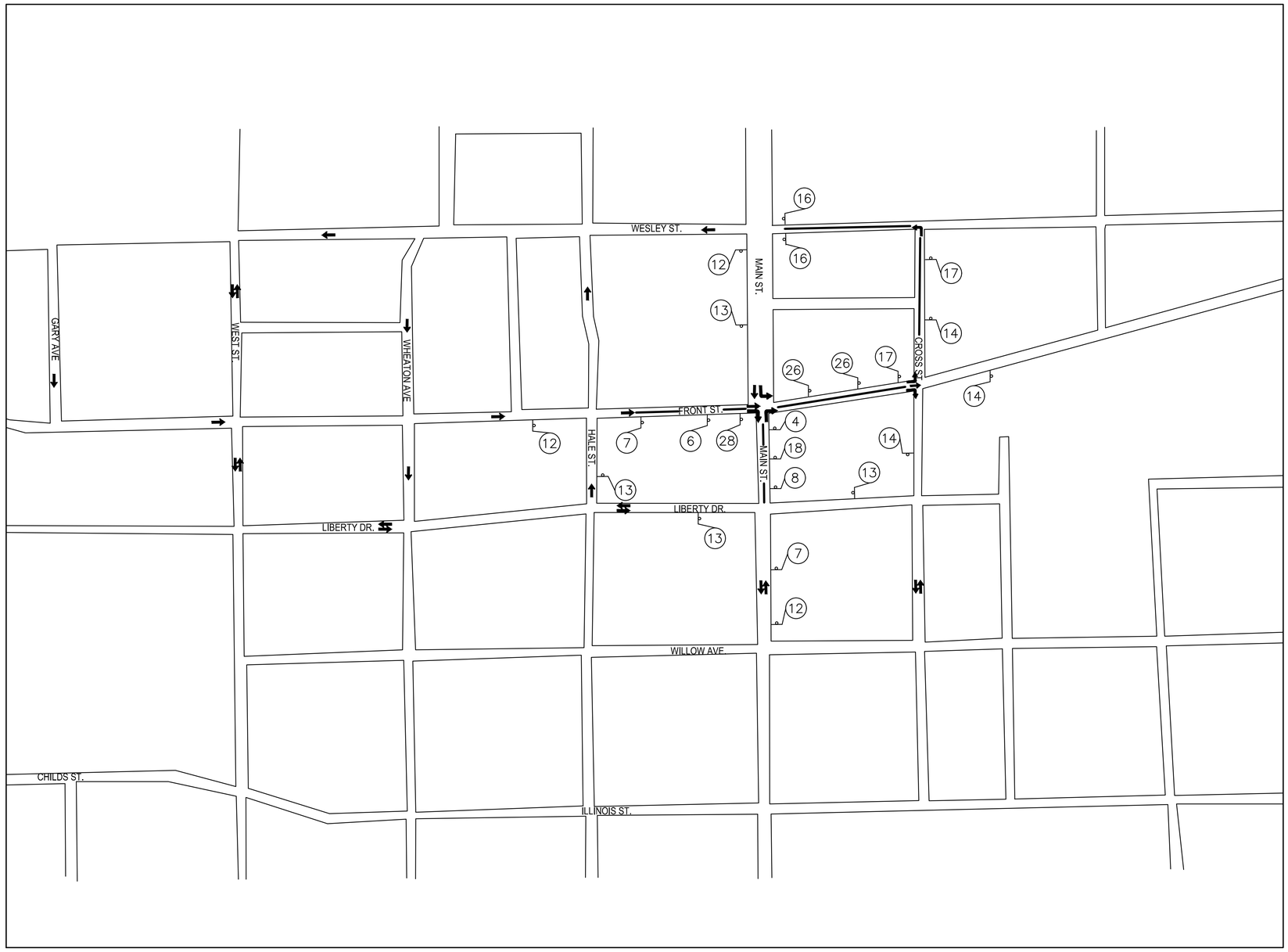
FRONT STREET
UNDERGROUND UTILITY UPGRADES

TEMPORARY DETOUR PLAN
HALE STREET

DRAWING NO. 21 OF 38



TEMPORARY TRAFFIC CONTROL SIGNS REQUIRED FOR THIS DETOUR

①	②	④	⑥	⑦
W4–2R	W4–2L	R11–2	R3–2	W20–2
36”x36” 48”x48”	36”x36” 48”x48”	48”x30”	24”x24”	36”x36” 48”x48”

⑧	⑫	⑬	⑭	⑯
W20–3	W20–1103	W21–1a	G20–2	M4–8a
36”x36” 48”x48”	36”x36” 48”x48”	36”x36” 48”x48”	36”x36” 48”x48”	24”x18”

⑰	⑱	㉖	㉗	㉘
M4–9L	M4–9R	R7–201–5	W20–4	M4–8
30”x24” 48”x36”	30”x24” 48”x36”	24”x30”	48”x48”	24”x12” 30”x15”

NOTE: DETOUR IS ONLY FOR THE CONNECTION WORK ON MAIN STREET. ONCE WORK IS COMPLETED ON MAIN STREET, DETOUR SHALL BE REMOVED.
ALL STREETS SHALL BE OPEN TO TRAFFIC AFTER EACH WORK DAY.

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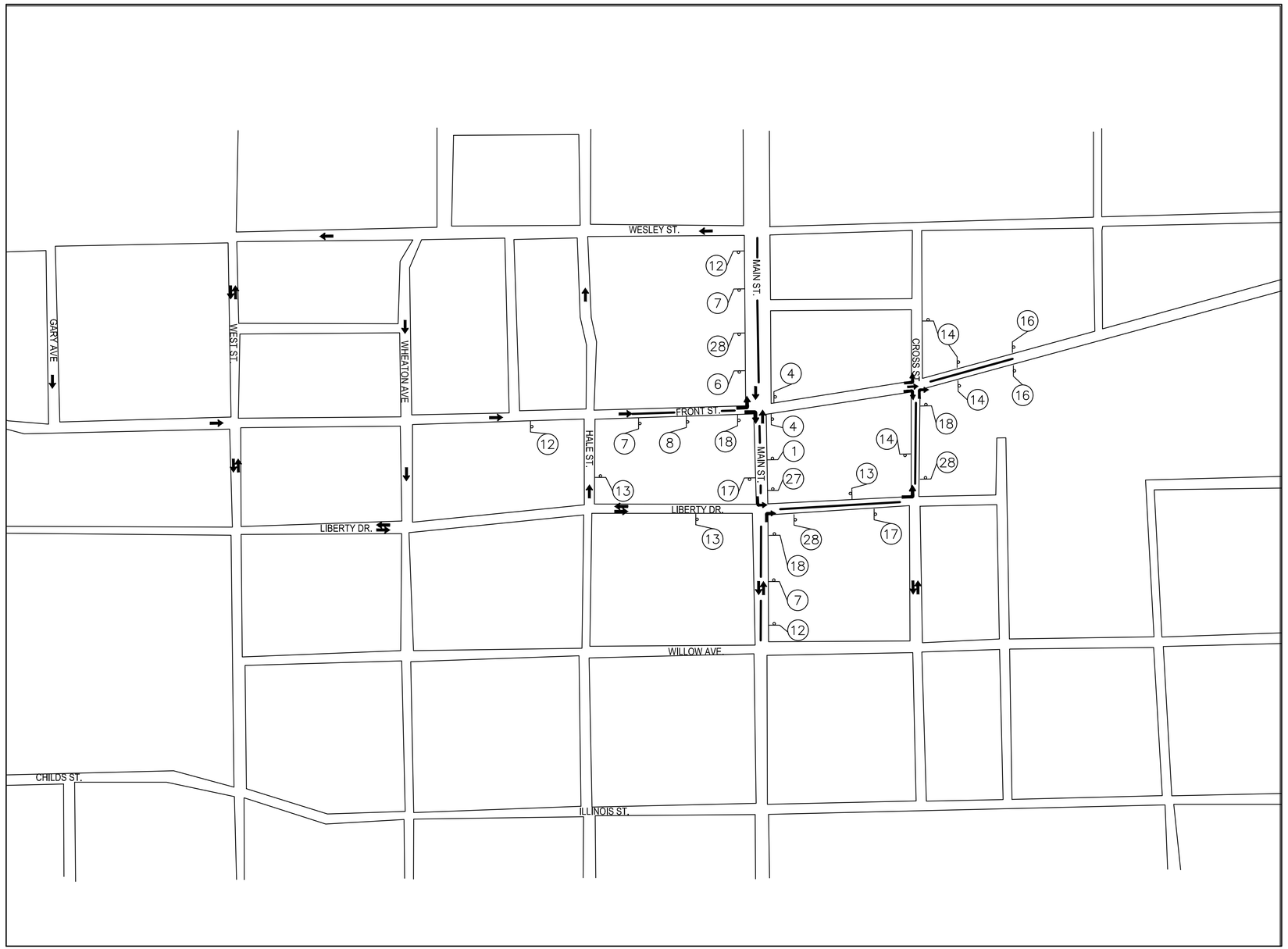
NO.	DATE	DESCRIPTION

FRONT STREET
UNDERGROUND UTILITY UPGRADES

STAGE 1 TEMPORARY DETOUR
PLAN MAIN STREET

DRAWING NO. 22 OF 38



TEMPORARY TRAFFIC CONTROL SIGNS REQUIRED FOR THIS DETOUR

①	②	④	⑥	⑦
W4–2R	W4–2L	R11–2	R3–2	W20–2
36”x36” 48”x48”	36”x36” 48”x48”	48”x30”	24”x24”	36”x36” 48”x48”

⑧	⑫	⑬	⑭	⑯
W20–3	W20–I103	W21–1a	G20–2	M4–8a
36”x36” 48”x48”	36”x36” 48”x48”	36”x36” 48”x48”	36”x36” 48”x48”	24”x18”

⑰	⑱	㉖	㉗	㉘
M4–9L	M4–9R	R7–201–5	W20–4	M4–8
30”x24” 48”x36”	30”x24” 48”x36”	24”x30”	48”x48”	24”x12” 30”x15”

NOTE: DETOUR IS ONLY FOR THE CONNECTION WORK ON MAIN STREET. ONCE WORK IS COMPLETED ON MAIN STREET, DETOUR SHALL BE REMOVED.
ALL STREETS SHALL BE OPEN TO TRAFFIC AFTER EACH WORK DAY.

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NO.	DATE	DESCRIPTION

FRONT STREET
UNDERGROUND UTILITY UPGRADES

STAGE 2 TEMPORARY DETOUR
PLAN MAIN STREET

DRAWING NO. 23 OF 38

REMOVE LID AND FILL VALVE BOX
REMOVE VALVE BOX AND INSTALL END CAP
CONNECT TO EX. SERVICE
INSTALL 6" END CAP
INSTALL 1" TAP W/CORP. STOP
NEW 6" VALVE BOX
ELIMINATE EX. CROSS & INSTALL 12"X6" TEE TO WEST MAIN
INSTALL 12"X10" REDUCER
INSTALL 12"X12" TEE
NEW VB-1
NEW B-BOX (TYP.)
INSTALL 10"X6" TEE
INSTALL 10"X6" TEE
CONNECT TO EX. SERVICE
NEW B-BOX (TYP.)
INSTALL 6" END CAP
INSTALL 1.5" SADDLE W/CORP. STOP
NEW 6" VALVE BOX
INSTALL 1" TAP W/CORP. STOP
NEW 6" VALVE BOX
ABANDON EXISTING 6" WATERMAIN
NEW 6" VALVE BOX
NEW 6" X 4" REDUCER
NEW 4" 45° BENDS
INSTALL 10"X6" TEE
INSTALL 10"X6" TEE
INSTALL 6" END CAP
NEW B-BOX (TYP.)
CONNECT TO EX. SERVICE
REMOVE EX. VALVE BOX AND INSTALL END CAP
NEW 8" VALVE BOX
REMOVE EXISTING 8"X6" REDUCER AND CONNECT TO EX. 8" WATERMAIN
REMOVE EXISTING VALVE & 6"X6" TEE
REMOVE AND REPLACE FIRE HYDRANT AND VALVE BOX ASSEMBLY
INSTALL 10"X6" TEE
INSTALL 10"X6" TEE
NEW 6" VALVE BOX
INSTALL 10" VALVE BOX
NEW 10" X 8" REDUCER
INSTALL 1" TAP W/CORP. STOP
INSTALL 6" END CAP
INSTALL 10"X10" TEE
REMOVE & REPLACE EX. SANITARY STRUCTURE
INSTALL NEW 10" VALVE BOX
REMOVE 430 LF 12" SAN SEWER AND REPLACE WITH WATER QUALITY PIPE (TOTAL OVER PAGES 10 & 11)
INSTALL 10"X6" TEE
REMOVE TREE
REPLACE SAN. SERVICES W/ 6" WMQ PVC (TYP.)
CONNECT TO EX. SERVICE W/ REDUCER
NEW B-BOX (TYP.)
NEW 6" VALVE BOX
INSTALL 1" TAP W/CORP. STOP
INSTALL 6" END CAP
CONNECT TO EX. SERVICE
NEW B-BOX (TYP.)
FRONT STREET
WEST STREET
WHEATON AVE
MATCH LINE-STA. 105+00
100+00
101+00
102+00
103+00
104+00
105
202+32
202+00
201+00
ONE STORY BRICK BUILDING #325 (EL ZARAPE)
ONE STORY BRICK BUILDING #318 (BEST WAY RUG AND FURNITURE CLEANERS, INC.)
TWO STORY BRICK BUILDING #315 (GINO'S EAST OF CHICAGO)
ONE STORY BRICK BUILDING #309 (HOLSTEIN GARAGE)
TWO STORY BRICK BUILDING #100N (WHEATON BANK AND TRUST)
BUILDING #390 (OMG CAFE)
BUILDING #370 (MP TEAM)
BUILDING #360
BUILDING #350 (MILE LONG RECORDS)
BUILDING #340 (EDWARD JONES)
TWO STORY BRICK BUILDING #312 (CARLSON GLASS & MIRROR)
BUILDING #302 (FORMER BELL TRANSMISSION)
ONE STORY BRICK BUILDING
SANITARY MANHOLE RIM:749.00 INV.:741.20
STORM MANHOLE RIM:749.12 INV.:738.52
STORM MANHOLE RIM:748.10 INV.:738.20
STORM MANHOLE RIM:748.56 INV.:742.40 INV.:742.36 INV.:742.32
STORM MANHOLE RIM:747.14 INV.:738.04
CATCH BASIN RIM:746.18 INV.:743.68
CATCH BASIN RIM:747.89 INV.:742.24(NW) INV.:741.99(W) INV.:741.89(S)
CATCH BASIN RIM:746.10 INV.:744.30(E) INV.:743.80(W)
STORM MANHOLE RIM:747.16 INV.:741.01(SE)
SANITARY MANHOLE RIM:750.82 BOC:739.82(E)
INLET RIM:746.75 INV.:743.25
MANHOLE RIM:747.08
STORM MANHOLE RIM:744.97 INV.:744.97
INLET RIM:746.31 INV.:744.81
6" DIP STORM MANHOLE RIM:749.31 INV.:739.31 (NW)
754
752
750
748
746
744
742
740
738
736
WEST STREET
WHEATON AVE
℄ EXIST. FRONT STREET ALIGNMENT
℄ EX. FRONT STREET ALIGNMENT
EX. PAVEMENT ELEVATION
NEW VB-2
NEW SAN MH-1
NEW VB-1
>5.5' (TYP)
EX ELECTRIC
EX ELECTRIC B/P=746.8±
10" WM T/P=744.36
EX TELE
EX ELECTRIC
EX TELE B/P=745.21
10" WM T/P=743.13
EX ELECTRIC B/P=745.1±
15" WM T/P=743.20
EX SAN
EX 10" STM B/P=742.55
15" SAN T/P=742.50
"TEE" FITTING (TYP.)
NEW 10 INCH DIP WM (TYP.)
EXISTING 15" SANITARY
STA:100+74.80
INV = 741.19
EXISTING 12" WATERMAIN
748.64
749.01
749.41
749.88
750.74
100+00
100+50
101+00
101+50
102+00
102+50
103+00
103+50
104+00
104+50
105+00
105+50
N

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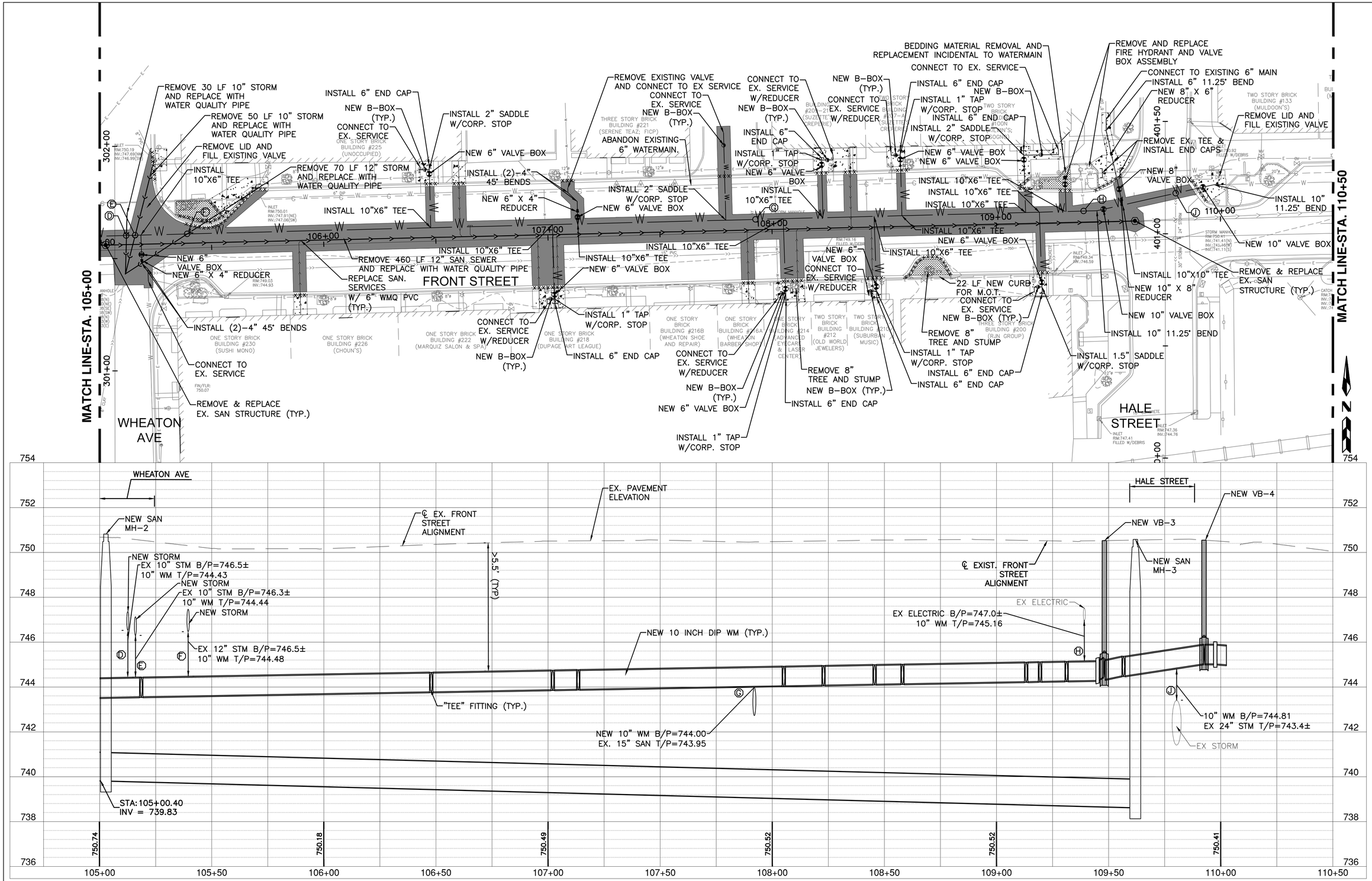
NO.	DATE	DESCRIPTION

FRONT STREET
UNDERGROUND UTILITY UPGRADES

PLAN AND PROFILE - UTILITIES
WEST TO WHEATON

DRAWING NO. 24 OF 38



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CHECKED BY RJD SCALE VERT:SCALE: 1" = 5' HORIZ:SCALE: 1" = 20'

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CITY OF WHEATON, IL
303 West Wesley Street
Wheaton, Illinois 60187
630-260-2000

REVISIONS		
NO.	DATE	DESCRIPTION

FRONT STREET
UNDERGROUND UTILITY UPGRADES

PLAN AND PROFILE - UTILITIES
WHEATON TO HALE

DRAWING NO. 25 OF 38

MATCH LINE-STA. 113+50

NEW 10" VALVE BOX (TYP.)
INSTALL 10" 45° BEND
CUT AND CAP EX. WATERMAIN
NEW HOT TAP CONNECTION W/10"X10" TEE
INSTALL 10" 45° BEND
INSTALL 10"X6" TEE
NEW FIRE HYDRANT AND VALVE BOX ASSEMBLY
INSTALL 6" END CAP
INSTALL 1" TAP W/CORP. STOP
NEW B-BOX (TYP.)
CONNECT TO EX. SERVICE W/ REDUCER
CONNECT TO EX. SERVICE
INSTALL 1" TAP W/CORP. STOP
CONNECT TO EX. SERVICE
INSTALL 6" END CAP
INSTALL 1.5" SADDLE W/CORP. STOP
INSTALL (2)-4" 45° BENDS
NEW 4" VALVE BOX
REMOVE EX. VALVE BOX
BEDDING MATERIAL REMOVAL AND REPLACEMENT INCIDENTAL TO WATERMAIN
NEW 6" VALVE BOX
INSTALL 10"X6" TEE
REMOVE YARD HYDRANT AND CAP
REMOVE 18" TREE AND STUMP
CONNECT TO EX. SERVICE W/ REDUCER (2)
NEW B-BOX (TYP.)
INSTALL 6" END CAP
INSTALL 1" TAP W/CORP. STOP
CONNECT TO EX. SERVICE
INSTALL 10"X4" TEE
INSTALL 10"X6" TEE
ABANDON EX. 6" WATERMAIN
(2) NEW 6" VALVE BOX
NEW B-BOX (TYP.)
INSTALL 6" END CAP
INSTALL 2" SADDLE W/CORP. STOP
INSTALL 6" END CAP
NEW 6" VALVE BOX
INSTALL 10"X6" TEE
CONNECT TO EX. SERVICE W/ REDUCER (2)
NEW B-BOX (TYP.)
INSTALL 6" END CAP
INSTALL 1" TAP W/CORP. STOP
NEW 6" VALVE BOX
INSTALL 10"X6" TEE
INSTALL 1" TAP W/CORP. STOP
NEW 6" VALVE BOX
INSTALL 10"X6" TEE
CONNECT TO EX. SERVICE W/ REDUCER
INSTALL 10"X6" TEE
REMOVE EXISTING BUILDING LEAD SERVICE AND REPLACE WITH NEW COPPER SERVICE
NEW B-BOX (TYP.)
INSTALL 2" SADDLE W/CORP. STOP
NEW 6" VALVE BOX
INSTALL 10"X6" TEE
REPLACE SAN. SERVICES W/ 6" WMQ PVC (TYP.)
INSTALL 1" TAP W/CORP. STOP
REMOVE YARD HYDRANT AND CAP
NEW 10" VALVE BOX
REMOVE 10"X10" TEE AND REPLACE W/ 10" 90° BEND
INSTALL 10"X10" TEE
REMOVE 50 LF 12" STORM AND REPLACE WITH WATER QUALITY PIPE

FRONT STREET
MAIN STREET

500+00 501+00 501+25 114+00 115+00 116+00 117+00 118+00 118+75 600+00 601+00

GENERAL NOTES:

1. ALL WORK TO REPLACE LEAD SERVICE LINES SHALL BE PERFORMED BY A LICENSED PLUMBER FROM THE CURB BOX TO THE BUILDING'S INTERIOR WATER METER.

N

MAIN STREET

NEW VB-5
EX. PAVEMENT ELEVATION
℄ EX. FRONT STREET ALIGNMENT
NEW VB-6
>5.5' (TYP)
EX GAS
EX GAS
EX GAS B/P=747.0± 10" WM T/P=745.09
EX GAS B/P=746.2± 10" WM T/P=745.03
NEW 10 INCH DIP WM (TYP.)
"TEE" FITTING (TYP.)
EX CABLE
EX CABLE B/P=746.5± 10" WM T/P=744.57
NEW STORM
NEW 12" STM B/P=746.4± 10" WM T/P=744.55
NEW 10" WM B/P=743.64
EX. 15" SAN T/P=742.25
EX SANITARY

750.00 749.64 749.93 749.95 750.20

754 752 750 748 746 744 742 740 738

113+50 114+00 114+50 115+00 115+50 116+00 116+50 117+00 117+50 118+00 118+50

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303 West Wesley Street
Wheaton, Illinois 60187
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REVISIONS		
NO.	DATE	DESCRIPTION

FRONT STREET UNDERGROUND UTILITY UPGRADES

PLAN AND PROFILE - UTILITIES MAIN TO CROSS

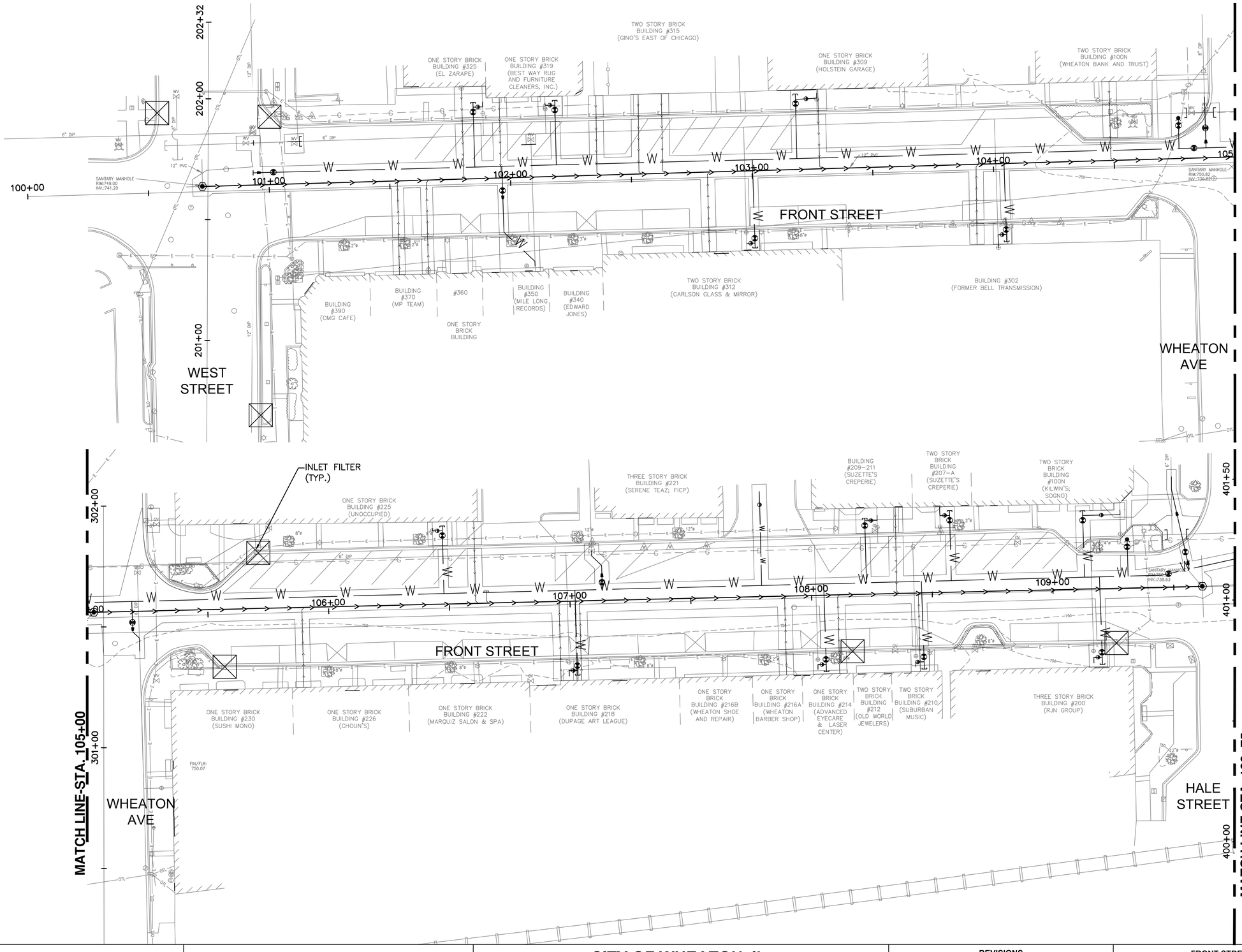
DRAWING NO. 26 OF 38

LEGEND

INLET FILTER

GENERAL NOTES:

1. ALL EROSION PROTECTION MUST BE MAINTAINED AND ROUTINELY CLEANED DURING DEMOLITION AND CONSTRUCTION.



DRAWN BY	DHK	DATE	7/21/2017
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303 West Wesley Street
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REVISIONS		
NO.	DATE	DESCRIPTION

FRONT STREET
UNDERGROUND UTILITY UPGRADES

EROSION AND SEDIMENT CONTROL PLAN

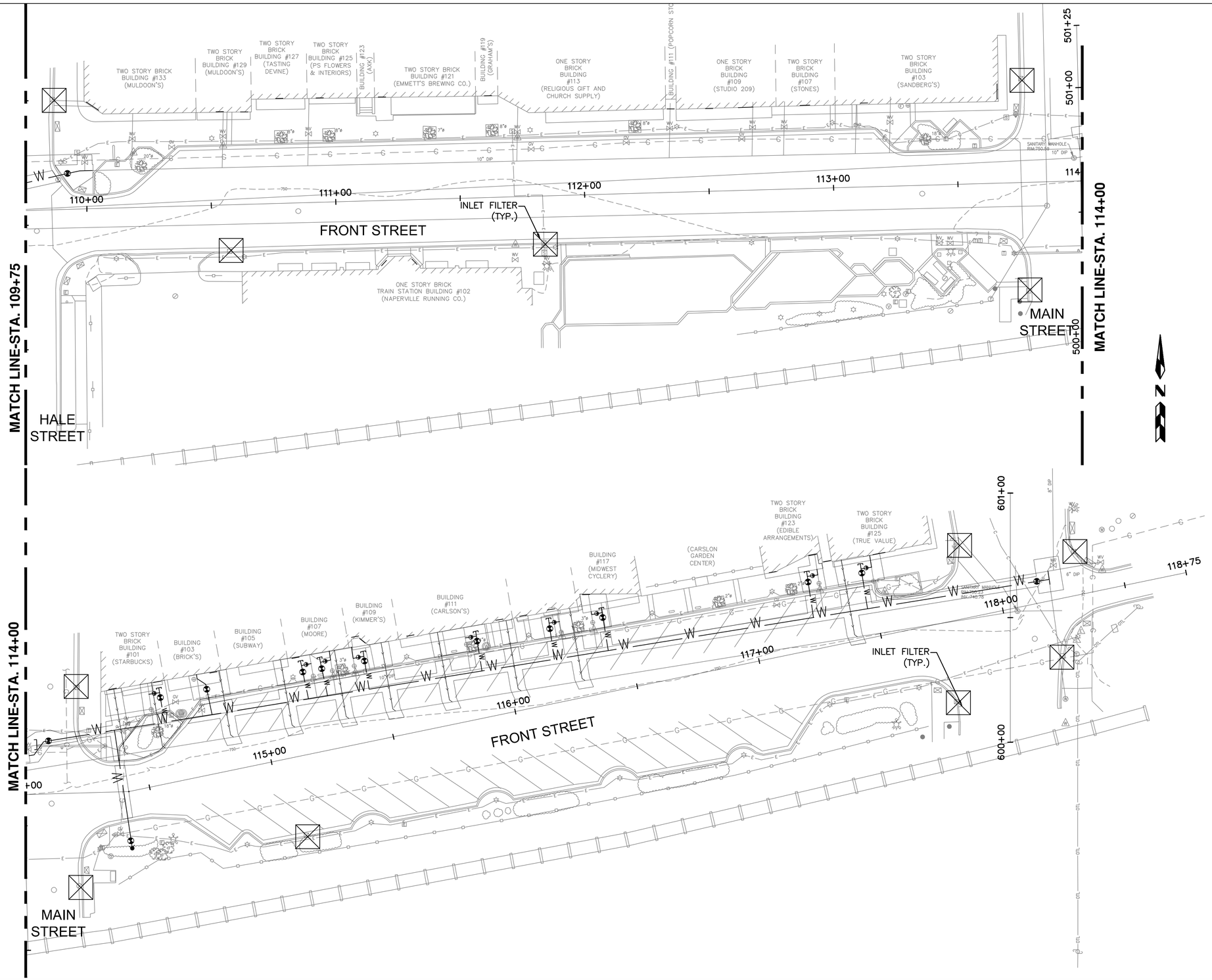
DRAWING NO. 27 OF 38

LEGEND

INLET FILTER

GENERAL NOTES:

1. ALL EROSION PROTECTION MUST BE MAINTAINED AND ROUTINELY CLEANED DURING DEMOLITION AND CONSTRUCTION.



DRAWN BY	DHK	DATE	7/21/2017
CHECKED BY	RJD	SCALE	1" = 20'

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REVISIONS		
NO.	DATE	DESCRIPTION

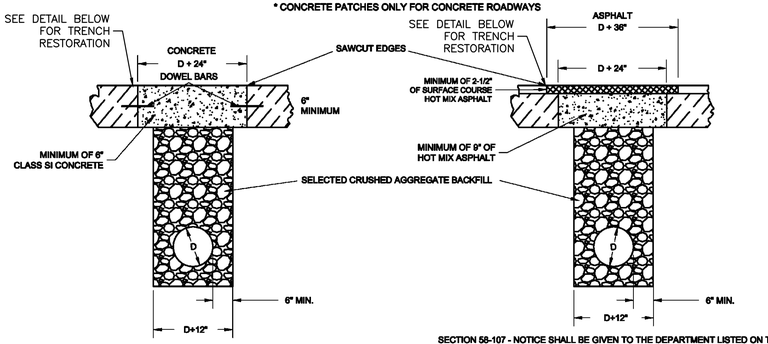
FRONT STREET
UNDERGROUND UTILITY UPGRADES

EROSION AND SEDIMENT CONTROL PLAN

DRAWING NO. 28 OF 38

STREET CUT REPAIR SPECIFICATIONS

Reference "Standard Specifications for Road and Bridge Construction" LATEST EDITION.
* ASPHALT PATCHES ONLY FOR ASPHALT ROADWAYS
* CONCRETE PATCHES ONLY FOR CONCRETE ROADWAYS



SECTION 58-106 - ANY STREET OR SIDEWALK DISTURBED BY EXCAVATION SHALL BE RESTORED TO ITS ORIGINAL CONDITION WITHIN 72 HOURS FROM THE TIME THE WORK COMMENCED, UNLESS GRANTED AN EXTENSION BY THE CITY ENGINEER. IN ALL CASES, HOWEVER, STREET OPENINGS SHALL BE BACK FILLED WITH APPROVED GRANULAR MATERIAL AND A TEMPORARY PAVEMENT SURFACE OF COMPACTED, COLD ASPHALT MATERIAL, A MINIMUM OF TWO INCHES IN DEPTH, SHALL BE PLACED ON THE AREA DISTURBED BY CONSTRUCTION WITHIN 12 HOURS FROM THE TIME THE WORK COMMENCED.

PATCHING ON ARTERIAL, COLLECTOR AND CENTRAL BUSINESS DISTRICT ROADWAYS, OR ROADWAYS THAT MAY BE DESIGNATED BY THE CITY, MUST BE BACK FILLED AND PATCHED THE DAY OF CONSTRUCTION. REFERENCE CROSS SECTIONS ABOVE.

PERMIT REQUIREMENTS: A STREET CUT PERMIT IS REQUIRED PRIOR TO ANY WORK.

A MINIMUM OF 24 HRS. NOTICE IS REQUIRED PRIOR TO INSPECTION.

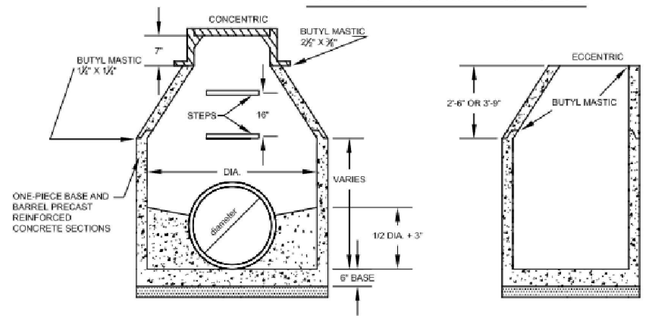
SECTION 58-107 - NOTICE SHALL BE GIVEN TO THE DEPARTMENT LISTED ON THE PERMIT AT LEAST 24 HOURS BEFORE THE WORK OF REFILLING ANY EXCAVATION OR TUNNEL IN ANY STREET, ALLEY OR OTHER PUBLIC PLACE COMMENCES.

SECTION 58-14 - ANY PERSON DOING ANY PERMITTED WORK WITHIN ANY STREET OR ALLEY RIGHT-OF-WAY WITHIN THE CITY SHALL MAINTAIN SUFFICIENT AND SUITABLE SIGNS, BARRICADES AND LIGHTS DESIGNED TO WARN THE PUBLIC AGAINST HAZARDS CREATED BY THE PERMITTED WORK BEING DONE OR TO PREVENT DAMAGE TO ANY SUCH WORK.

NOTE:
1. ONE LANE OF TRAFFIC SHALL BE MAINTAINED FOR PERMITTED FULL WIDTH STREET CUTS.
2. CONCRETE PATCHES NOT PERMITTED ON ASPHALT STREETS.
3. DOWEL BARS SHALL BE USED TO TIE NEW CONCRETE INTO EXISTING CONCRETE.

CITY OF WHEATON	
DESIGN DETAILS AND STANDARDS	
FIGURE # 2	
DATE: 03-15-16	FILE NAME: Street Cut Repair.dwg

TYPE A MANHOLE



OTES:
Sanitary Manhole castings
A. In paved and parkway areas Neenah R-1772-C (380 lbs.) with a solid lid or approved equal. EJIW 1022-3 (370 lbs.) will not be accepted.
B. In backlot areas Neenah R-1772-B (325 lbs.) or EJIW 10-2 (330 lbs.) Either with solid lid. OR Neenah R4340B (open lid) or EJIW 6527 (open lid) or approved equal.

All frames and lids must have concealed pick holes and gasketed "T-Seal" self-sealing features

All lids must be stamped "City of Wheaton Sanitary", or "City of Wheaton Storm" as the case may be.

Manholes to have ONE piece integral base and barrel section.

Manholes to be 4' diameter for sewers 18" or less, and 5' diameter for sewers larger than 18" and less than 48".

Manholes 4' in diameter which exceed a depth of 4' shall have steps to be coated with polypropylene plastic. "Press Fit" type installation. Steps shall be 16" apart on center.

All Manholes to have chimney seal collars.

All joints between barrel sections shall be sealed with flexible butyl mastic material 1½" wide by 1½" thick. All joints between riser rings and frames to be sealed with flexible butyl mastic material 2½" wide and ⅜" thick.

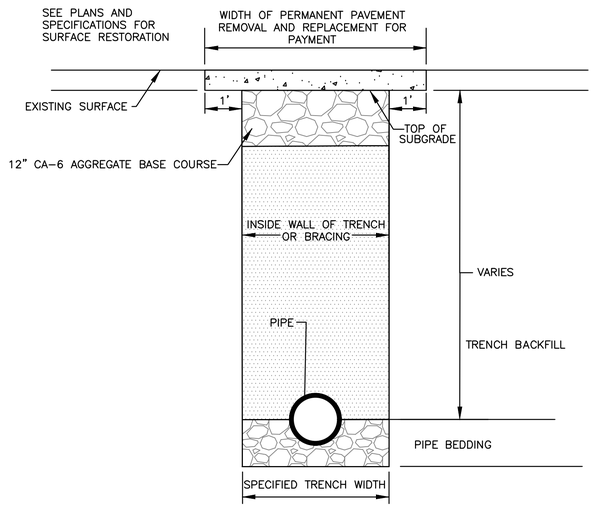
When shimming is required in street areas, beveled rubber riser rings shall be used. BRICK SHIMMING OR MORTAR IS NOT ALLOWED.

). The 4" base shall be made of poured in place Class SI concrete or precast with 4" aggregate cushion.

). The maximum amount of adjustment for frame elevation is 8" with 2 rings.

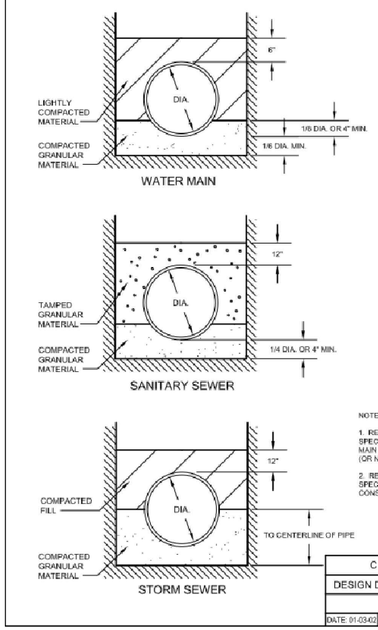
). When an eccentric cone is used:
A. If the Manhole is of 4' dia. then the cone shall be 2'-6" in height.
B. If the Manhole is of 5' dia. then the cone shall be 3'-9" in height.

CITY OF WHEATON	
DESIGN DETAILS AND STANDARDS	
FIGURE # 8	
DATE: 01-06-00	FILENAME: type a manhole.dwg



TRENCH DETAIL PER TYPICAL SECTION

BEDDING AND BACKFILL DETAIL

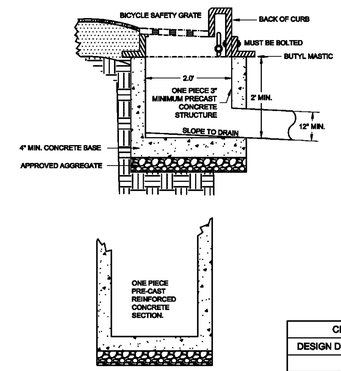


NOTES:
1. REFERENCE: STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, MAY 1996 (OR NEWEST VERSION), SECTION 20-2.20.
2. REFERENCE: STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST VERSION.

CITY OF WHEATON	
DESIGN DETAILS AND STANDARDS	
FIGURE # 8	
DATE: 01-03-02	FILENAME: bedding and backfill.dwg

CURBLINE INLET OR CATCH BASIN

1. A MAXIMUM ADJUSTMENT OF 8" USING 2 (TWO) RUBBER RINGS IS ALLOWED.
2. BRICKS ARE NOT PERMITTED FOR ADJUSTMENTS.
3. FRAME AND GRATE SHALL BE NEENAH R-3010
4. ALL JOINTS BETWEEN BARREL SECTION, RISER, AND CASTING SHALL BE SEALED WITH FLEXIBLE BUTYL MASTIC MATERIAL 2-1/4" WIDE AND 3/8" THICK OR ENGINEER APPROVED SUBSTITUTE. MORTAR IS NOT ALLOWED.
5. THE GRATE SHALL BE A BICYCLE SAFETY GRATE.
6. REFERENCE: STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, CURRENT EDITION
7. ANY SUBSTITUTIONS MUST BE APPROVED BY THE CITY ENGINEER.
8. 2' INSIDE DIAMETER TO BE USED AT END OF PIPE RUN ONLY. IN ALL INSTANCES WHERE 2 OR MORE PIPES ENTER OR EXIT C.B., 4' INSIDE DIAMETER STRUCTURE MUST BE USED.
9. MINIMUM PIPE DIAMETER IS 12" ON 2' DIAMETER STRUCTURE.
10. FRAME BACKS MUST HAVE STAMPED FISH SYMBOL PER NPDES REQUIREMENTS.



CITY OF WHEATON	
DESIGN DETAILS AND STANDARDS	
FIGURE # 5	
DATE: 05-15-16	FILE NAME: Curbline Inlet or Catch Basin.dwg

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303 West Wesley Street
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REVISIONS		
NO.	DATE	DESCRIPTION

FRONT STREET
UNDERGROUND UTILITY UPGRADES

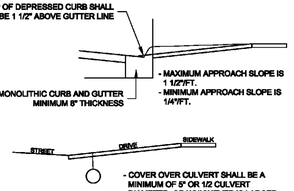
CIVIL DETAILS

DRAWING NO.
29 OF 38

DRIVE APPROACH & SIDEWALK SPECIFICATIONS

GENERAL STANDARDS

1. ALL PORTLAND CEMENT CONCRETE SHALL CONFORM TO ILLINOIS DEPARTMENT OF TRANSPORTATION CLASS SI MIX.
2. WHERE NEW CONCRETE WORK MEETS OR ABUTS ANY EXISTING CONCRETE STRUCTURES, THE EXISTING CONCRETE SHALL BE SAW CUT TO A STRAIGHT AND CLEAN EDGE AND EXPANSION MATERIAL PLACED BETWEEN THE NEW AND EXISTING WORK.
3. EXPANSION MATERIAL IS ALSO REQUIRED BETWEEN NEW CURB AND NEW CONCRETE APPROACHES; NEW SIDEWALK AND NEW CONCRETE DRIVEWAYS; AND NEW CURB AND NEW SIDEWALK.
4. A CULVERT WILL BE REQUIRED WHERE THE STREET DOES NOT HAVE CURB AND GUTTER.
5. REPLACEMENT OF BARRIER CURB AND GUTTER WITH DEPRESSED CURB AND GUTTER TO BE WITH A SINGLE POUR. GUTTER SHALL BE A MINIMUM OF 8" THICK.
6. WIRE MESH, REBAR, AND OTHER FORMS OF REINFORCEMENT ARE NOT ALLOWED IN CITY SIDEWALKS
7. PEA GRAVEL IS NOT ALLOWED AS FILL OR BASE MATERIAL.
8. ALL CURB REPLACEMENTS SHALL BE A MINIMUM OF 5' IN LENGTH.



RESIDENTIAL APPROACH

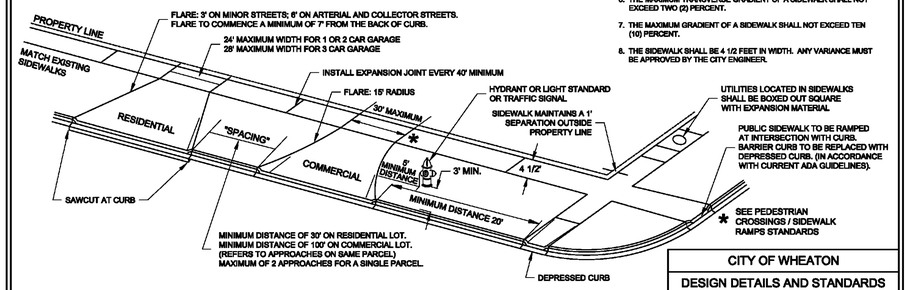
1. SHALL BE 8" THICK, PORTLAND CEMENT CONCRETE, CLASS SI
2. 1 1/2" BITUMINOUS CONCRETE ON AN 8" THICK AGGREGATE BASE
3. BRICK PAVERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. MANUFACTURER'S SPECIFICATIONS MUST BE SUBMITTED AS PART OF THE PERMIT APPLICATION.

COMMERCIAL APPROACH

1. 8" THICK, PORTLAND CEMENT CONCRETE, CLASS SI (BITUMINOUS IS NOT PERMITTED)

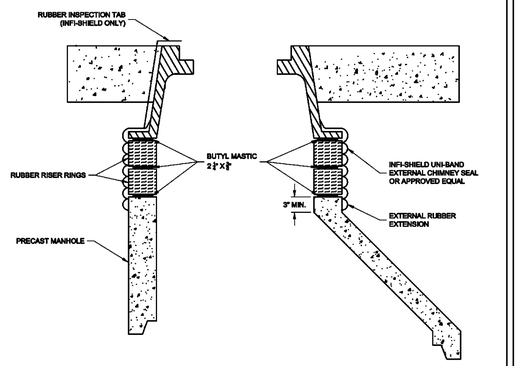
SIDEWALK

1. 4" THICK, PORTLAND CEMENT CONCRETE ON A COMPACTED CRUSHED AGGREGATE OR BANK RUN GRAVEL BASE.
2. 5" THICK THROUGH RESIDENTIAL APPROACHES
3. 6" THICK THROUGH COMMERCIAL APPROACHES
4. WALK SHALL BE NO LOWER THAN THE CENTERLINE OF THE STREET.
5. THE SIDEWALK SHALL HAVE SCORED TRANSVERSE JOINTS AT EQUAL SPACING OF FIVE (5) FEET.
6. THE MAXIMUM TRANSVERSE GRADIENT OF A SIDEWALK SHALL NOT EXCEED TWO (2) PERCENT.
7. THE MAXIMUM GRADIENT OF A SIDEWALK SHALL NOT EXCEED TEN (10) PERCENT.
8. THE SIDEWALK SHALL BE 4 1/2 FEET IN WIDTH. ANY VARIANCE MUST BE APPROVED BY THE CITY ENGINEER.



CITY OF WHEATON	
DESIGN DETAILS AND STANDARDS	
FIGURE # 1	
DATE: 03-15-16	FILE NAME: Drive Approach & Sidewalk.dwg

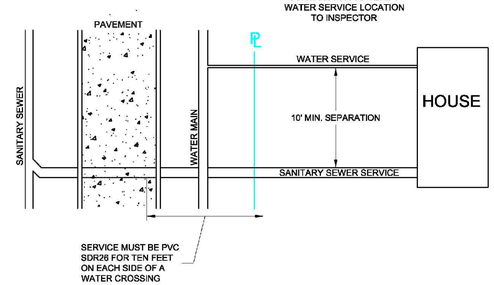
SANITARY MANHOLE EXTERNAL CHIMNEY SEAL

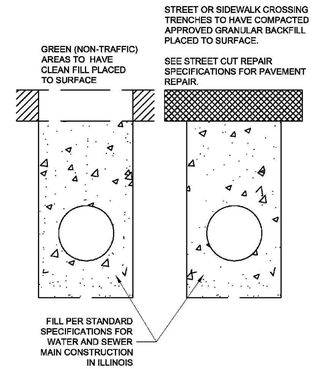


CITY OF WHEATON	
DESIGN DETAILS AND STANDARDS	
FIGURE # 12	
DATE: 03-15-16	FILE NAME: Sanitary Manhole External Chimney Seal.dwg

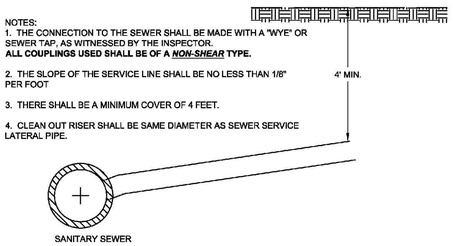
SANITARY SEWER SERVICE LATERAL DETAIL

A MINIMUM 24-HOUR NOTICE IS REQUIRED PRIOR TO SCHEDULING AN INSPECTION





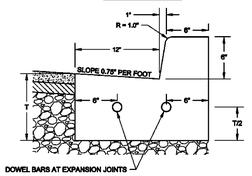
NOTES:
1. THE CONNECTION TO THE SEWER SHALL BE MADE WITH A "WYE" OR SEWER TAP, AS WITNESSED BY THE INSPECTOR. **ALL COUPLINGS USED SHALL BE OF A *NON-SHEAR* TYPE.**
2. THE SLOPE OF THE SERVICE LINE SHALL BE NO LESS THAN 1/8" PER FOOT
3. THERE SHALL BE A MINIMUM COVER OF 4 FEET.
4. CLEAN OUT RISER SHALL BE SAME DIAMETER AS SEWER SERVICE LATERAL PIPE.



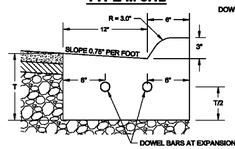
CITY OF WHEATON	
DESIGN DETAILS AND STANDARDS	
FIGURE # 15	
DATE: 03-15-16	FILE NAME: Sanitary Service Lateral Detail.dwg

CURB & GUTTER SPECIFICATIONS

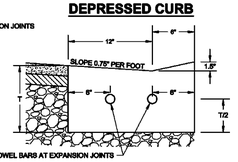
TYPE B 6.12



TYPE M 3.12



DEPRESSED CURB



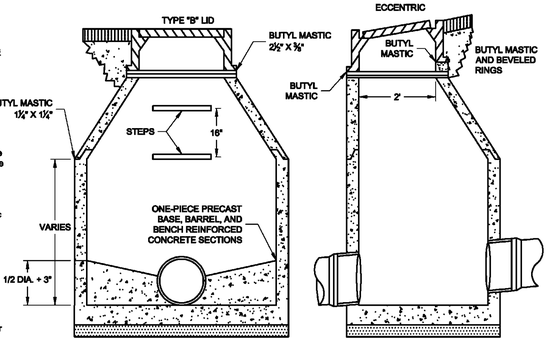
NOTE:
1. TWO NO.8 STEEL DOWEL BARS WITH CAPS TO BE USED AT ALL EXPANSION JOINTS 100 ft. INTERVALS.
2. CONSTRUCTION JOINTS AT 25 ft. INTERVALS.
3. INSTALL THREE 3/8" REBAR AT ALL TRENCH CROSSINGS. BARS TO EXTEND TWO FEET BEYOND EDGE OF TRENCH AND HAVE A MINIMUM LENGTH OF 10 FT.
4. THE BASE COURSE WILL BE OF A DEPTH SUFFICIENT TO BRING THE CURB AND GUTTER TO THE PROPOSED GRADE.
5. THE BASE COURSE LOCATED UNDER THE CURB AND GUTTER WILL NOT BE MEASURED FOR PAYMENT, BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR COMBINATION CONCRETE CURB AND GUTTER OF THE TYPE SPECIFIED.

T = THICKNESS OF PAVEMENT

CITY OF WHEATON	
DESIGN DETAILS AND STANDARDS	
FIGURE # 4	
DATE: 03-15-16	FILE NAME: Curb & Gutter.dwg

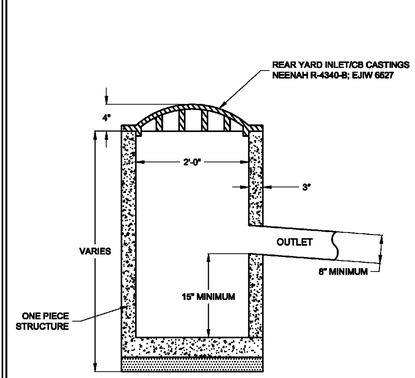
SANITARY MANHOLE

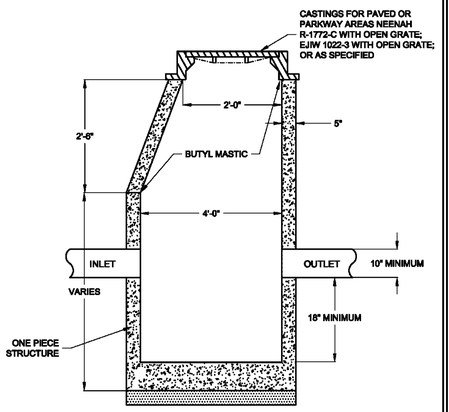
NOTES:
1. Sanitary Manhole castings
   A. In paved and parkway areas Neenah R-1772-C (380 lbs.) with a solid lid.
   B. In backlot areas Neenah R-1772-B (325 lbs.).
2. All frames and lids must have concealed pick holes and gasketed self-sealing features. "O" ring seals are not permitted. Flat gaskets "T" seals are required, and frame must accommodate chimney seal.
3. All lids must be stamped "Sanitary Manhole".
4. Manholes to have one piece integral base and barrel section.
5. Manholes to be 4' diameter for sewers 18" or less, and 5' diameter for sewers larger than 18" and less than 48".
6. Manholes 4' in diameter which exceed a depth of 4' shall have steps to be coated with polypropylene plastic, "Press Fit" type installation. Steps shall be 16" apart on center.
7. All Manholes to have chimney seal collars.
8. All joints between barrel sections shall be sealed with flexible butyl mastic material 1¼" wide by 1¼" thick. All joints between riser rings and frames to be sealed with flexible butyl mastic material 2½" wide ⅜" thick.
9. External or internal chimney seals must be installed between the dome and frame.
10. All connections to be by preinstalled synthetic rubber sleeve with stainless steel clamps, non shear-type.
11. When shimming to grade is required in paved areas, beveled rubber adjustment rings and butyl mastic shall be used. No shimming of any kind or or mortar layers are allowed.
13. The maximum amount of adjustment for frame elevation is 8" with 2 concrete or rubber riser rings. Beveled riser rings shall be used in cases where a difference in elevation exists. Metal riser rings are not allowed and bricks shall not be used for shimming the frame on the structure.
14. When an eccentric cone is used:
   A. If the Manhole is of 4' dia. then the cone shall be of 2'-6" in height.
   B. If the Manhole is of 5' dia. then the cone shall be of 3'-9" in height



CITY OF WHEATON	
DESIGN DETAILS AND STANDARDS	
FIGURE # 16	
DATE: 03-15-16	FILE NAME: Sanitary Manhole.dwg

CATCH BASIN WITH FRAME AND GRATE FOR INLET





NOTES:
1. MAXIMUM ADJUSTMENT OF 8" USING 2 RUBBER RISER RINGS. NO METAL RISER RINGS OR BRICK ALLOWED.
2. ALL JOINTS BETWEEN BARREL SECTION, RISER, AND CASTINGS ARE TO BE SEALED WITH FLEXIBLE BUTYL GASKET MATERIAL TWO AND ONE QUARTER (2-1/4) INCHES WIDE AND THREE-EIGHTS (3/8) INCHES THICK OR APPROVED EQUAL.
3. MORTAR IS NOT ALLOWED.
4. FOUR (4) FOOT DIAMETER CATCH BASIN STRUCTURES WHICH EXCEED A DEPTH OF FOUR (4) FEET SHALL HAVE POLYPROPYLENE PLASTIC COATED "PRESS FIT" MANHOLE STEPS INSTALLED.
5. FLEXIBLE BUTYL MASTIC MATERIAL SHALL BE PLACED BETWEEN ALL BARREL SECTIONS, RUBBER RISER RINGS, AND FRAMES.
6. 2' INSIDE DIAMETER TO BE USED AT END OF PIPE RUN ONLY IN ALL INSTANCES WHERE 2 OR MORE PIPES ENTER OR EXIT C.B. 4' INSIDE DIAMETER STRUCTURE MUST BE USED IN ALL OTHER CASES.
7. MAXIMUM PIPE DIAMETER IS 12" IN A 2' DIAMETER SEWER STRUCTURE.

CITY OF WHEATON	
DESIGN DETAILS AND STANDARDS	
FIGURE # 25	
DATE: 03-15-16	FILE NAME: CATCH BASIN FOR INLET.dwg

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CITY OF WHEATON, IL
303 West Wesley Street
Wheaton, Illinois 60187
630-260-2000

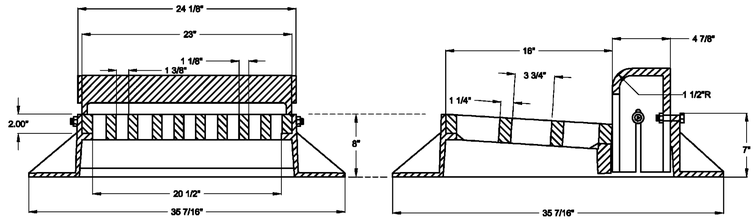
REVISIONS		
NO.	DATE	DESCRIPTION

FRONT STREET
UNDERGROUND UTILITY UPGRADES

CIVIL DETAILS

DRAWING NO. 30 OF 38

SPECIAL FRAME AND GRATE FOR CATCH BASIN AND INLET
TOTAL WEIGHT 355 lbs



NEENAH #R-3010 OR EQUIVALENT FRAME AND GRATE
1. Use Vane grates, specify right or left, this shall be approved by Sewer Division first.
2. Curb box shall be adjustable from three (3) inches to seven (7) inches.
3. All frame backs must have stamped symbol of a fish per NPDES regulations.

CITY OF WHEATON	
DESIGN DETAILS AND STANDARDS	
FIGURE # 26	
DATE: 03-15-16	FILE NAME: Special Frame and Grate.dwg

Procedure for Pressure Testing Water Mains 4" Through 8"

Contractor Responsibility:

1. The contractor shall notify the Water Division a minimum of 2 working days, prior to the tap request date.
2. Scheduling of work shall be made through the Water Services Manager.
3. The City shall not be held responsible or liable for any delays the contractor experiences regarding this work.
4. The contractor shall excavate a ditch to the dimensions specified below.
   a. 1'0" below the bottom of the water main.
   b. 1'0" behind the back edge of the water main.
   c. 10'0" from the front edge of the water main in the direction where the tapping sleeve and valve will be installed.
   d. The trench shall be a minimum of 5'0" wide.
5. The contractor shall purchase a City of Wheaton approved tapping sleeve and valve.
6. The contractor shall supply qualified manpower to clean the water main and install the tapping sleeve and valve; prior to the City arriving at the job site.
7. The tapping sleeve and valve should be centered in the trench a minimum of 18 inches from any tap or bell.
8. The contractor shall assure air and water tightness of the tapping sleeve and valve.
9. The contractor shall provide sufficient manpower to assist the City in lowering the drilling machine into the ditch, attach it to the valve, and remove equipment to our truck.
10. The contractor shall restore the area of the excavation to it's original integrity,
11. The contractor shall be responsible for making sure the tapping valve and sleeve are level. This will be checked by the City once the tapping machine is installed and if adjustments need to be made they shall be done by the contractor.
12. The excavation shall be protected by sloping/benching the sides, shoring the sides, or using a trench shield.

City's Responsibility

1. The City shall supply equipment and labor to pressure test the tapping sleeve and valve, to assure tightness.
2. The City shall supply the tapping machine and operator to perform the task of tapping the water main.

CITY OF WHEATON	
DESIGN DETAILS AND STANDARDS	
Water Main Information	
DATE: 03-15-16	FILE NAME: Water Main Pressure Test.dwg

VALVE BOX SETTER

Serving the Water & Sewer Industry
ADAPTOR INC.
Since 1976
2151 South 54th Street
West Allis, WI 53219
Phone: 414.764.6733
Fax: 414.764.1694
www.adaptorinc.com

Valve Box Adaptor II

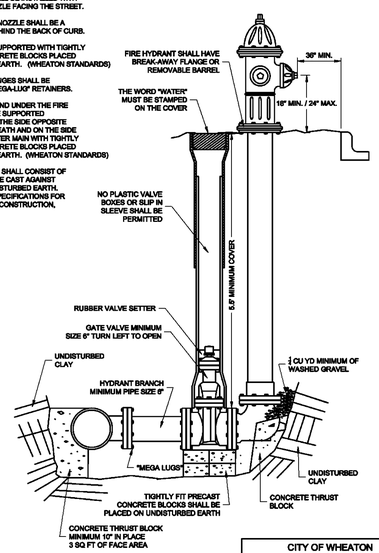
ADVANTAGES

- Eliminates settling and shifting of the valve box over the Gate Valve.
- Allows proper keying of the valve.
- Protects epoxy coating on valves.
- Centers valve box over operating nut.
- Seals valve box with a resilient material.
- Cost Effective

CITY OF WHEATON	
DESIGN DETAILS AND STANDARDS	
FIGURE # 32	
DATE: 03-15-16	FILE NAME: Valve Box Setter 1.dwg

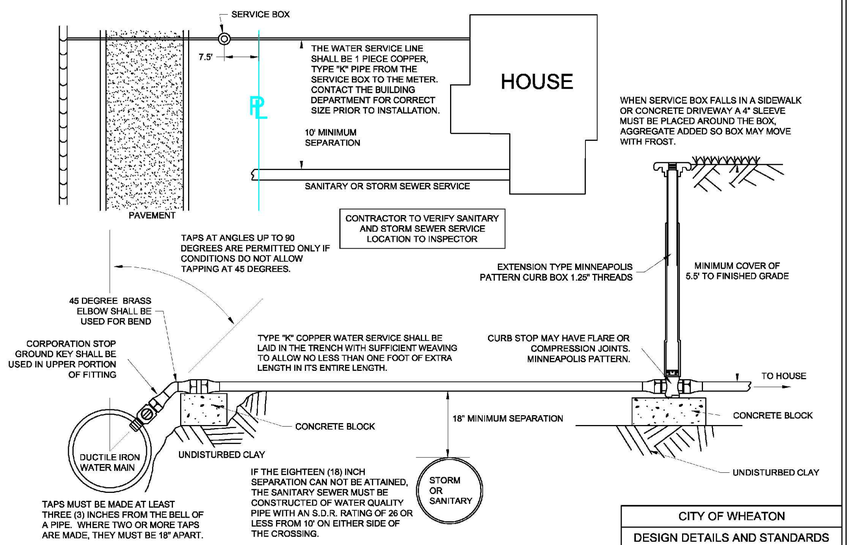
FIRE HYDRANT AND VALVE DETAIL

1. FIRE HYDRANT SHALL BE INSTALLED WITH THE STEAMER NOZZLE FACING THE STREET.
2. THE FACE OF THE NOZZLE SHALL BE A MINIMUM OF 36" BEHIND THE BACK OF CURB.
3. VALVE SHALL BE SUPPORTED WITH TIGHTLY FIT PRECAST CONCRETE BLOCKS PLACED ON UNDISTURBED EARTH. (WHEATON STANDARDS)
4. FITTINGS AND FLANGES SHALL BE RETAINED WITH "MEGA-LUG" RETAINERS.
5. THE 90 DEGREE BEND UNDER THE FIRE HYDRANT SHALL BE SUPPORTED UNDERNEATH AND THE SIDE OPPOSITE THE MAIN UNDERNEATH AND ON THE SIDE OPPOSITE THE WATER MAIN WITH TIGHTLY FIT PRECAST CONCRETE BLOCKS PLACED ON UNDISTURBED EARTH. (WHEATON STANDARDS)
6. THRUST BLOCKING SHALL CONSIST OF CLASS SI CONCRETE CAST AGAINST FITTINGS AND UNDISTURBED EARTH. (REF. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION).



CITY OF WHEATON	
DESIGN DETAILS AND STANDARDS	
FIGURE # 30	
DATE: 03-15-16	FILE NAME: Fire Hydrant and Valve.dwg

WATER SERVICE CONNECTION DETAIL



CITY OF WHEATON	
DESIGN DETAILS AND STANDARDS	
FIGURE # 31	
DATE: 03-15-16	FILE NAME: Water Service.dwg

VALVE BOX SETTER

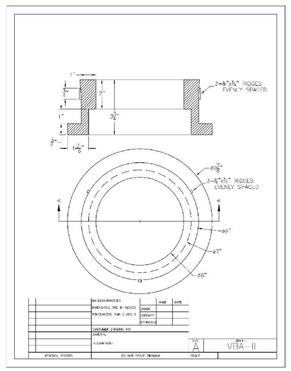
Valve Box Adaptor II

Detail Specifications

All valve boxes shall be installed upon the valve with the use of a Valve Box Adaptor II as manufactured by Adaptor Inc. or an approved equal.

The VBA-II shall be installed in lieu of hardwood blocking and shall be incidental to the valve and box installation.

Manufactured from recycled "Green" natural rubber.



AMERICAN MADE PRODUCTS

WWW.ADAPTORINC.COM

CITY OF WHEATON	
DESIGN DETAILS AND STANDARDS	
FIGURE # 33	
DATE: 03-15-16	FILE NAME: Valve Box Setter 2.dwg

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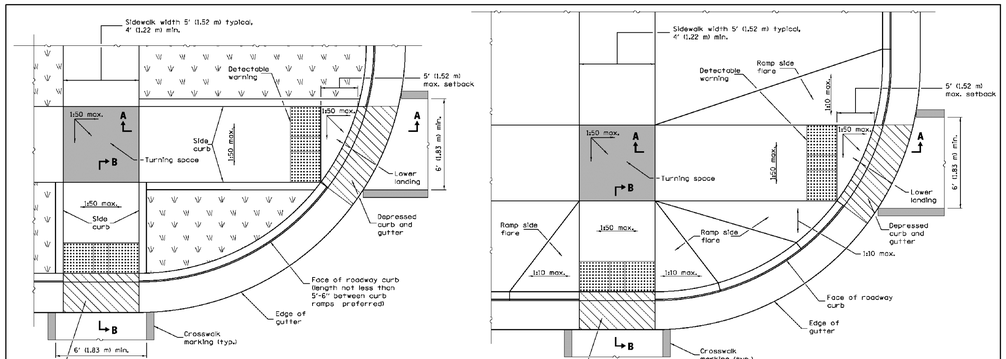
Wheaton, Illinois 60187
630-260-2000

REVISIONS		
NO.	DATE	DESCRIPTION

FRONT STREET
UNDERGROUND UTILITY UPGRADES

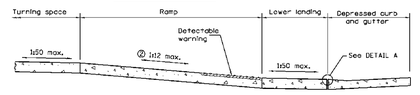
CIVIL DETAILS

DRAWING NO.
31 OF 38



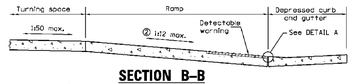
RAMPS IN LANDSCAPED AREA
SETBACK ≤ 5'

RAMPS IN PAVED AREA
SETBACK ≤ 5'



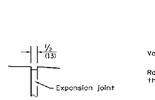
SECTION A–A

② The running slope of the curb ramp shall not require the ramp length to exceed 15' (4.5 m).

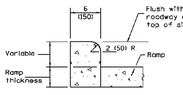


SECTION B–B

② The running slope of the curb ramp shall not require the ramp length to exceed 15' (4.5 m).



DETAIL A



SIDE CURB DETAIL

See Sheet 2 for GENERAL NOTES.

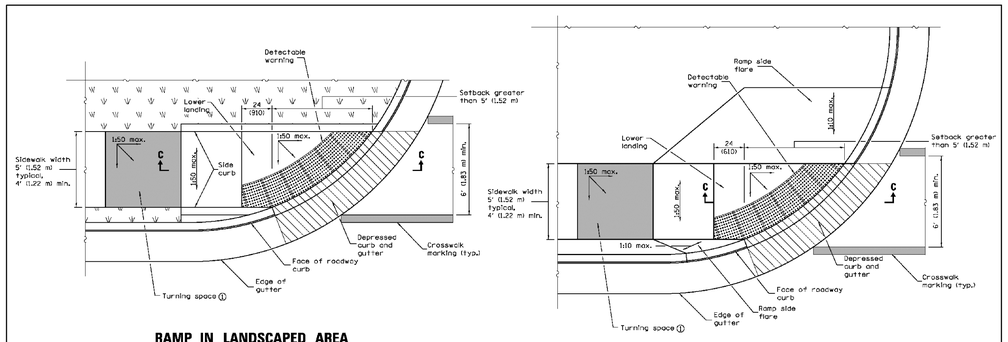
Illinois Department of Transportation
PASSED January 1, 2017
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2017
ENGINEER OF BUREAU OF DESIGN AND ENVIRONMENT
STANDARD 424001-09

DATE	REVISIONS
1-1-17	Added 2' dimension to det.
	warnings for setbacks
	greater than 5'.
1-1-15	① not appl. to int. sidewalks.
	Rev. gen. notes. Ctrd upper
	landing to Turning space.

PERPENDICULAR CURB RAMPS FOR SIDEWALKS

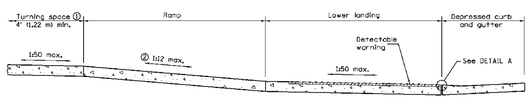
(Sheet 1 of 2)

STANDARD 424001-09



RAMP IN LANDSCAPED AREA
SETBACK > 5'

RAMP IN PAVED AREA
SETBACK > 5'



SECTION C–C

① Turning space not required for ramp slopes flatter than 1:20.

② The running slope of the curb ramp shall not require the ramp length to exceed 15' (4.5 m).

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (rise).

Where the turning space is constrained on a side opposite a ramp, the minimum length of the turning space in the direction of the ramp-run shall be 5' (1.52 m).

Where 1:50 maximum slope is shown, 1:64 is preferred.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

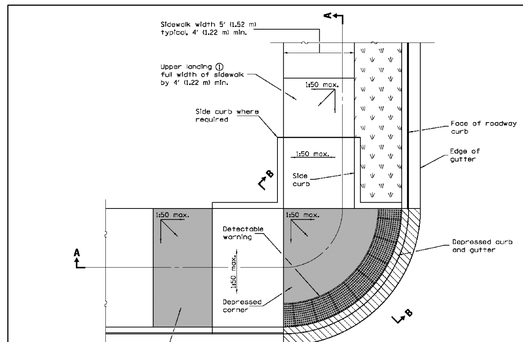
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
PASSED January 1, 2017
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2017
ENGINEER OF BUREAU OF DESIGN AND ENVIRONMENT
STANDARD 424001-09

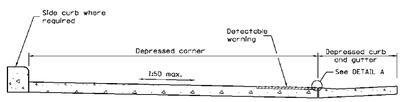
PERPENDICULAR CURB RAMPS FOR SIDEWALKS

(Sheet 2 of 2)

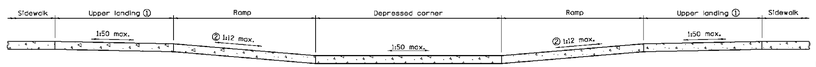
STANDARD 424001-09



DEPRESSED CORNER



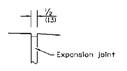
SECTION B–B



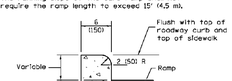
SECTION A–A

① Upper landing(s) not required for ramp slopes flatter than 1:20.

② The running slope of the curb ramp shall not require the ramp length to exceed 15' (4.5 m).



DETAIL A



SIDE CURB DETAIL

GENERAL NOTES

This standard shall only be used for curb radii of 6 ft. (1.83 m) or greater.

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (rise).

Where 1:50 maximum slope is shown, 1:64 is preferred.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
PASSED January 1, 2015
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2015
ENGINEER OF BUREAU OF DESIGN AND ENVIRONMENT
STANDARD 424021-03

DATE	REVISIONS
1-1-15	Added note ②.
1-1-14	Revised sidewalk width.
	Revised gen. notes to limit
	curb rad. to 6' (1.83 m) min.

DEPRESSED CORNER FOR SIDEWALKS

STANDARD 424021-03

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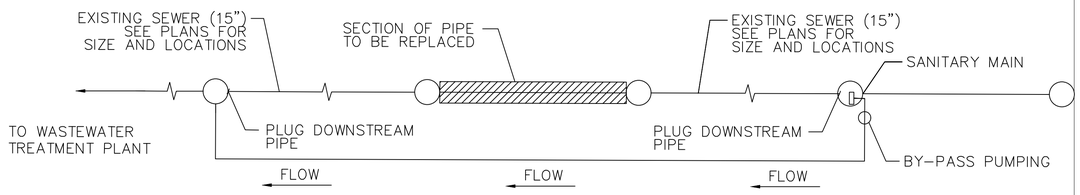
REVISIONS		
NO.	DATE	DESCRIPTION

FRONT STREET
UNDERGROUND UTILITY UPGRADES

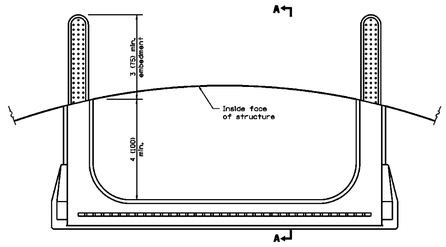
CIVIL DETAILS

DRAWING NO.
32 OF 38

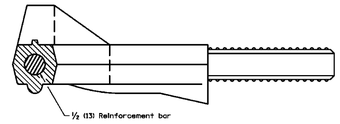


BY-PASS PUMP ALL FLOW TYPICAL

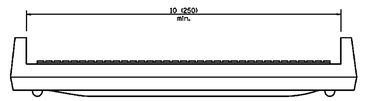
PLASTIC STEPS



PLAN VIEW



SECTION A-A



ELEVATION VIEW

Illinois Department of Transportation
PASSED January 1, 2009
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2009
ENGINEER OF BUREAU OF ROADWAY STANDARDS
ISSUED 1-1-07

MANHOLE STEPS

(Sheet 2 of 2)

STANDARD 602701-02

SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

SYMBOLS

- Work area
- Cone, drum or barricade (not required for moving operations)
- Sign on portable or permanent support
- Flagger with traffic control sign
- Barricade or drum with flashing light
- Type III barricade with flashing lights

1. Refer to SIGN SPACING TABLE for distances.
2. For approved sidered closures.
3. Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
4. Cones, drums or barricades at 20' (6 m) centers.

GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement requiring the closure of one traffic lane in an urban area.

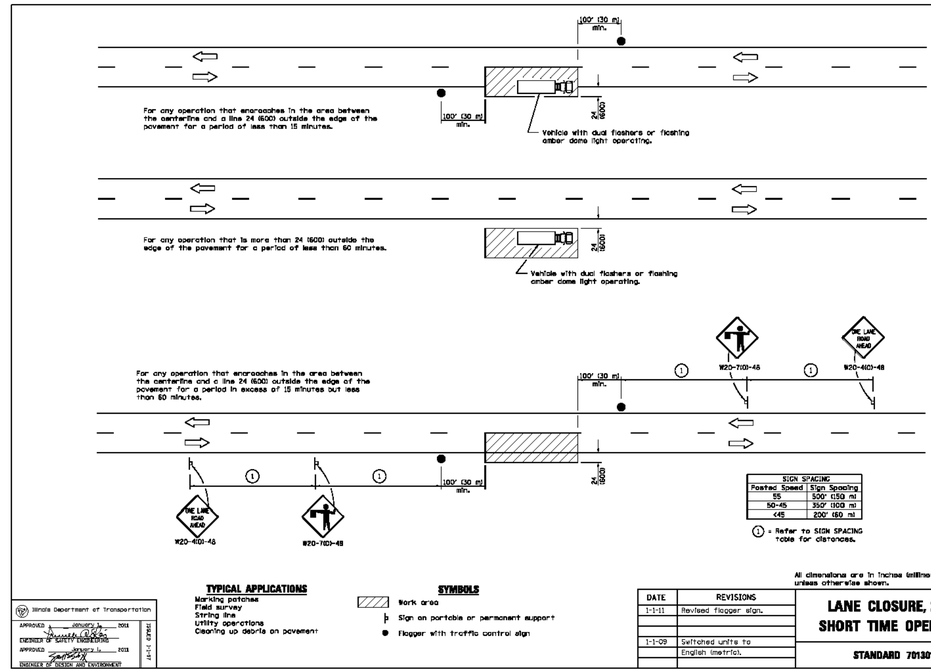
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
APPROVED January 1, 2011
ENGINEER OF SAFETY ENGINEERING
APPROVED January 1, 2011
ENGINEER OF BUREAU OF ROADWAY STANDARDS
ISSUED 1-1-07

DATE	REVISIONS
1-1-11	Revised flagger sign.
1-1-09	Switched units to English (metric).
	Corrected sign No.'s.

URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED

STANDARD 701501-06



SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

(1) = Refer to SIGN SPACING table for distances.

TYPICAL APPLICATIONS

Marking patches
Field survey
String line
Utility operations
Cleaning up debris on pavement

SYMBOLS

- Work area
- Sign on portable or permanent support
- Flagger with traffic control sign

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
APPROVED January 1, 2011
ENGINEER OF SAFETY ENGINEERING
APPROVED January 1, 2011
ENGINEER OF BUREAU OF ROADWAY STANDARDS
ISSUED 1-1-07

DATE	REVISIONS
1-1-11	Revised flagger sign.
1-1-09	Switched units to English (metric).

LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS

STANDARD 701301-04

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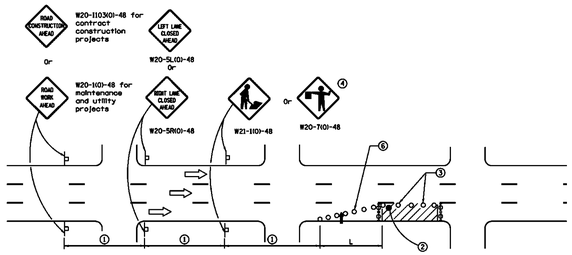
630-260-2000

REVISIONS		
NO.	DATE	DESCRIPTION

FRONT STREET
UNDERGROUND UTILITY UPGRADES

CIVIL DETAILS

DRAWING NO.
33 OF 38



SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
≤45	200' (60 m)

SYMBOLS

- Arrow board
- Cone, drum or barricade
- Sign on portable or permanent support
- Work area
- Barricade or drum with flashing light
- Type III barricade with flashing lights
- Flagger with traffic control sign.

1. Refer to SIGN SPACING TABLE for distances.
2. Required for speeds > 40 MPH
3. Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
4. Use flagger sign only when flagger is present.
5. For approved alderood closures.
6. Cones, drums or barricades at 20' (6 m) in taper.

GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement during shoulder operations or where construction requires lane closures in urban areas.

Calculate L as follows:

SPEED LIMIT	FORMULAS English	(Metric)
40 mph (70 km/h) or less:	$L=\frac{WS^2}{60}$	$L=\frac{WS^2}{150}$
45 mph (80 km/h) or greater:	L=(W)(S)	L=0.65(W)(S)

W = Width of offset in feet (meters).

S = Normal posted speed mph (km/h).

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

APPROVED _____ 2014 — ENGINEER OF SAFETY ENGINEERING

APPROVED _____ 2014 — ENGINEER OF DESIGN AND ENVIRONMENT

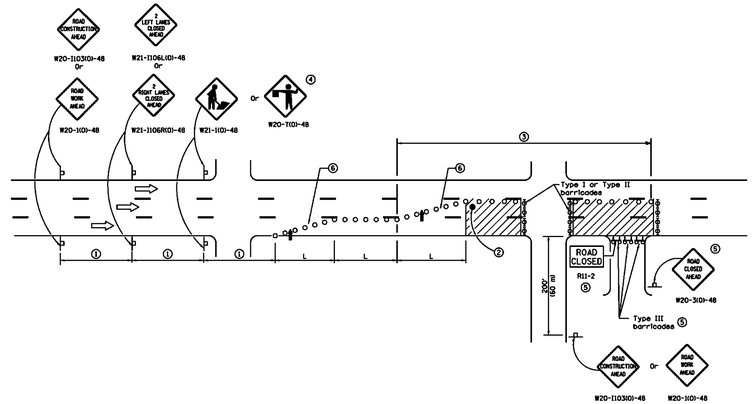
BDE 801 1-1-07

DATE	REVISIONS
1-1-14	Revised workers sign
	number to agree with
	current MUTCD.
1-1-13	Omitted text 'WORKERS'
	sign.

URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN

(Sheet 1 of 2)

STANDARD 701601-09



Illinois Department of Transportation

APPROVED _____ 2014 — ENGINEER OF SAFETY ENGINEERING

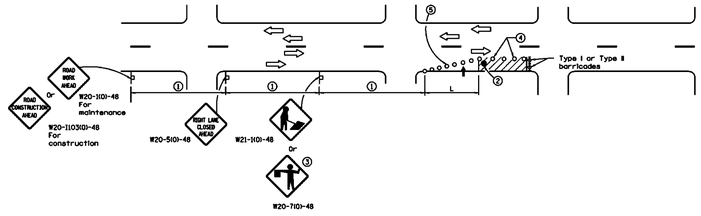
APPROVED _____ 2014 — ENGINEER OF DESIGN AND ENVIRONMENT

BDE 801 1-1-07

URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN

(Sheet 2 of 2)

STANDARD 701601-09



SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
≤45	200' (60 m)

SYMBOLS

- Arrow board
- Cone, drum or barricade
- Sign on portable or permanent support
- Work area
- Barricade or drum with flashing light
- Flagger with traffic control sign.

1. Refer to SIGN SPACING TABLE for distances.
2. Required for speeds > 40 mph.
3. Use flagger sign only when flagger is present.
4. Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
5. Cones, drums or barricades at 20' (6 m) centers in taper.

GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement requiring the closure of one traffic lane in an urban area.

Calculate L as follows:

SPEED LIMIT	FORMULAS English	(Metric)
40 mph (70 km/h) or less:	$L=\frac{WS^2}{60}$	$L=\frac{WS^2}{150}$
45 mph (80 km/h) or greater:	L=(W)(S)	L=0.65(W)(S)

W = Width of offset in feet (meters).

S = Normal posted speed mph (km/h).

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

APPROVED _____ 2015 — ENGINEER OF SAFETY ENGINEERING

APPROVED _____ 2015 — ENGINEER OF DESIGN AND ENVIRONMENT

BDE 801 1-1-15

DATE	REVISIONS
1-1-15	Renamed standard. Moved
	code on Sheet 2 to new
	Highway Standard.
1-1-14	Revised workers sign
	number to agree with
	current MUTCD.

URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN

STANDARD 701606-10

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DRAWN BY DHK DATE 7/21/2017

CHECKED BY RJD SCALE NTS

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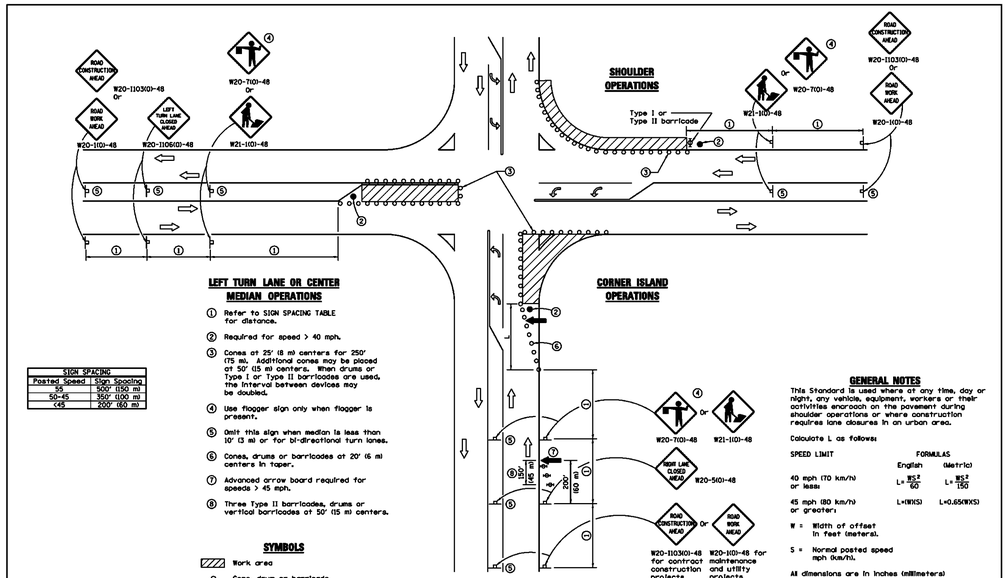
CITY OF WHEATON, IL
303 West Wesley Street
Wheaton, Illinois 60187
630-260-2000

REVISIONS NO.	DATE	DESCRIPTION

FRONT STREET
UNDERGROUND UTILITY UPGRADES

CIVIL DETAILS

DRAWING NO. 34 OF 38



LEFT TURN LANE OR CENTER MEDIAN OPERATIONS

1. Refer to SIGN SPACING TABLE for distance.
2. Required for speed > 40 mph.
3. Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
4. Use flagger sign only when flagger is present.
5. Omit this sign when median is less than 10' (3 m) or for bi-directional turn lanes.
6. Cones, drums or barricades at 20' (6 m) centers in taper.
7. Advanced arrow board required for speeds > 45 mph.
8. Three Type II barricades, drums or vertical barricades at 50' (15 m) centers.

SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
≤40	200' (60 m)

SYMBOLS

- Work area
- Cone, drum or barricade
- Sign on portable or permanent support
- Arrow board
- Barricade or drum with flashing light
- Flagger with traffic control sign

GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement during shoulder operations or where construction requires lane closures in an urban area.

Calculate L as follows:

SPEED LIMIT	FORMULAS English	(Metric)
40 mph (70 km/h) or less:	$L=\frac{WS^2}{60}$	$L=\frac{WS^2}{150}$
45 mph (80 km/h) or greater:	L=(WXS)	L=0.65(WXS)

W = Width of offset in feet (meters).

S = Normal posted speed mph (km/h).

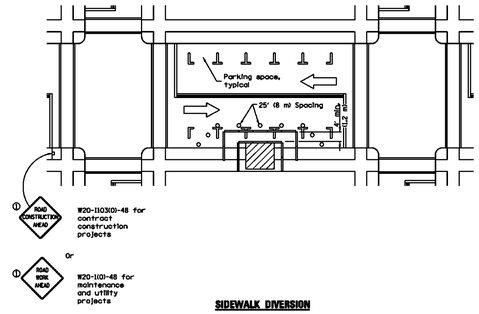
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
APPROVED April 1, 2016 — ENGINEER OF SAFETY ENGINEERING
APPROVED April 1, 2016 — ENGINEER OF BUREAU OF ENVIRONMENT
SHEET 1 OF 2 SHEETS 1-1-17

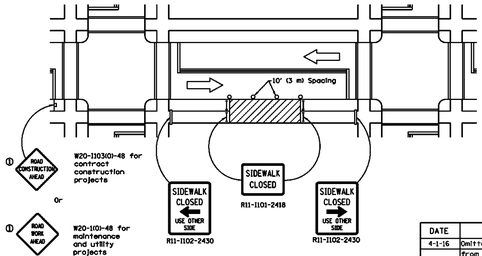
DATE	REVISIONS
4-1-16	Corrected sign number for LEFT TURN LANE CLOSED AHEAD.
1-1-14	Added devices at arrow board upstream from taper.
	Rev. workers sign number.

URBAN LANE CLOSURE, MULTILANE INTERSECTION

STANDARD 701701-10



SIDEWALK DIVERSION



SIDEWALK CLOSURE

SYMBOLS

- Work area
- Sign on portable or permanent support
- Barricade or drum
- Cone, drum or barricade
- Type III barricade
- Detectable pedestrian channelizing barricade

GENERAL NOTES

This Standard is used where, at any time, pedestrian traffic must be rerouted due to work being performed.

This Standard must be used in conjunction with other Traffic Control & Protection Standards when roadway traffic is affected.

Temporary facilities shall be detectable and accessible.

The temporary pedestrian facilities shall be provided on the same side of the closed facilities whenever possible.

The SIDEWALK CLOSED / USE OTHER SIDE sign shall be placed at the nearest crosswalk or intersection to each end of the closure. Where the closure occurs at a corner, the signs shall be erected on the corners across the street from the closure. The SIDEWALK CLOSED signs shall be used at the ends of the actual closures.

Type III barricades and R11-2-4830 signs shall be positioned as shown in "ROAD CLOSED TO ALL TRAFFIC" detail on Standard 701901.

All dimensions are in inches (millimeters) unless otherwise shown.

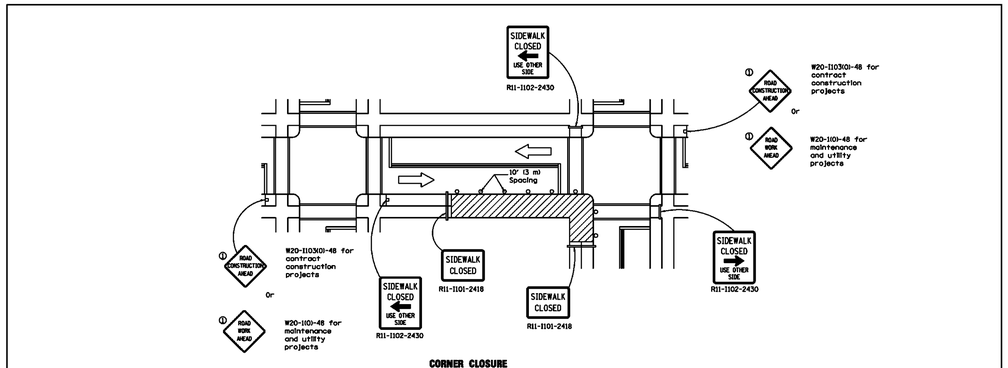
Illinois Department of Transportation
APPROVED April 1, 2016 — ENGINEER OF SAFETY ENGINEERING
APPROVED April 1, 2016 — ENGINEER OF BUREAU OF ENVIRONMENT
SHEET 1 OF 2 SHEETS 1-1-17

DATE	REVISIONS
4-1-16	Omitted orange safety fence from standard as this is covered in the std. spec.
1-1-12	Added SIDEWALK DIVERSION. Modified appearance of plan views. Renamed Std.

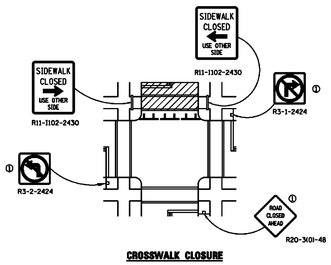
SIDEWALK, CORNER OR CROSSWALK CLOSURE

(Sheet 1 of 2)

STANDARD 701801-06



CORNER CLOSURE



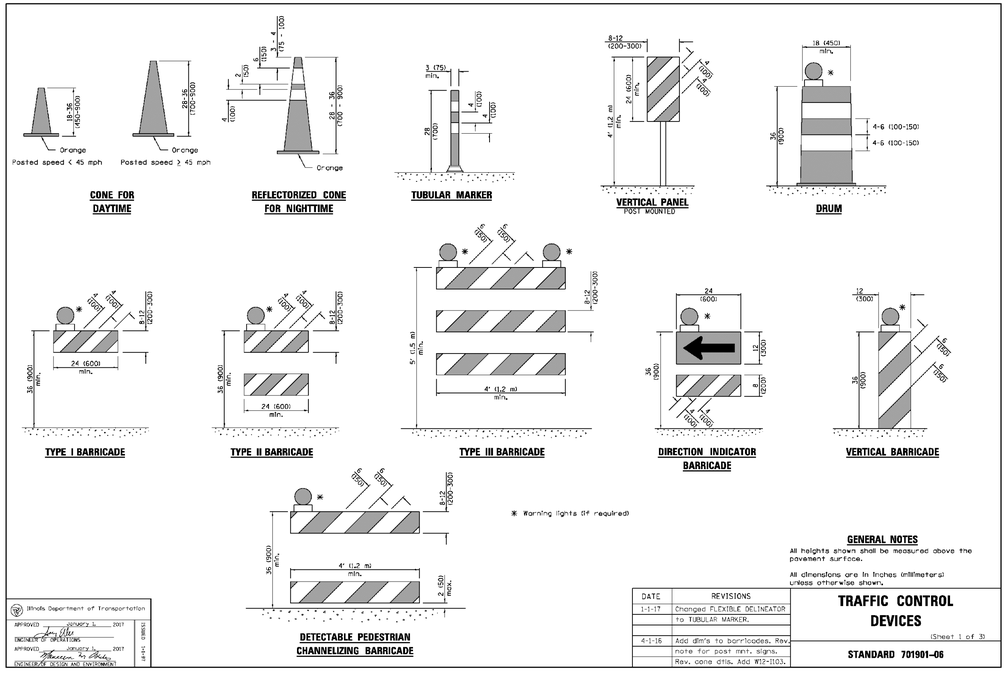
CROSSWALK CLOSURE

Illinois Department of Transportation
APPROVED April 1, 2016 — ENGINEER OF SAFETY ENGINEERING
APPROVED April 1, 2016 — ENGINEER OF BUREAU OF ENVIRONMENT
SHEET 2 OF 2 SHEETS 1-1-17

SIDEWALK, CORNER OR CROSSWALK CLOSURE

(Sheet 2 of 2)

STANDARD 701801-06



GENERAL NOTES

All heights shown shall be measured above the pavement surface.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
APPROVED 12/20/2017 — ENGINEER OF SAFETY ENGINEERING
APPROVED 12/20/2017 — ENGINEER OF BUREAU OF ENVIRONMENT
SHEET 1 OF 3 SHEETS 1-1-17

DATE	REVISIONS
1-1-17	Changed FLEXIBLE DELINEATOR to TUBULAR MARKER.
4-1-16	Add dim's to barricades. Rev. note for post mnt. signs. Rev. cone dtls. Add W12-1103.

TRAFFIC CONTROL DEVICES

(Sheet 1 of 3)

STANDARD 701901-06

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DRAWN BY DHK DATE 7/21/2017
CHECKED BY RJD SCALE NTS

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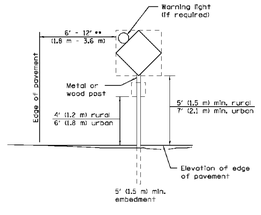
CITY OF WHEATON, IL
303 West Wesley Street
Wheaton, Illinois 60187
630-260-2000

REVISIONS NO.	DATE	DESCRIPTION

FRONT STREET
UNDERGROUND UTILITY UPGRADES

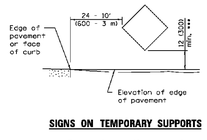
CIVIL DETAILS

DRAWING NO. 35 OF 38



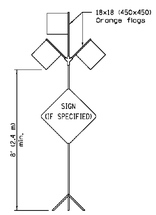
POST MOUNTED SIGNS

** When curb or paved shoulder are present this dimension shall be 24 (600) to the face of curb or 6' (1.8 m) to the outside edge of the paved shoulder.



SIGNS ON TEMPORARY SUPPORTS

*** When work operations exceed four days, this dimension shall be 5' (1.5 m) min. If located behind other devices, the height shall be sufficient to be seen completely above the devices.



HIGH LEVEL WARNING DEVICE

G20-1104(01-6036) G20-1105(01-6024)

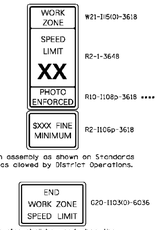
This signing is required for all projects 2 miles (3200 m) or more in length.

ROAD CONSTRUCTION NEXT X MILES sign shall be placed 500' (150 m) in advance of project limits.

END CONSTRUCTION sign shall be erected at the end of the job unless another job is within 2 miles (3200 m).

Dual sign displays shall be utilized on multi-lane highways.

WORK LIMIT SIGNING



W21-1(61)-3618
R2-1-3648
R10-1108b-3618 ****
R2-1109p-3618

Sign assembly as shown on Standards or as allowed by District Operations.

G20-1103(01-6036)

This sign shall be used when the above sign assembly is used.

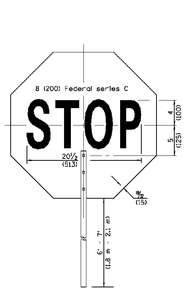
HIGHWAY CONSTRUCTION SPEED ZONE SIGNS

**** R10-1108p shall only be used along roadways under the jurisdiction of the State.

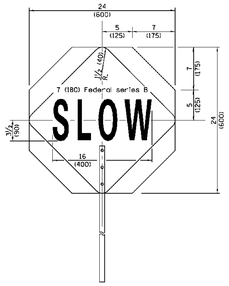
W12-1103-4848

WIDTH RESTRICTION SIGN

XX'-XX" width and X miles are variable.



FRONT SIDE



REVERSE SIDE

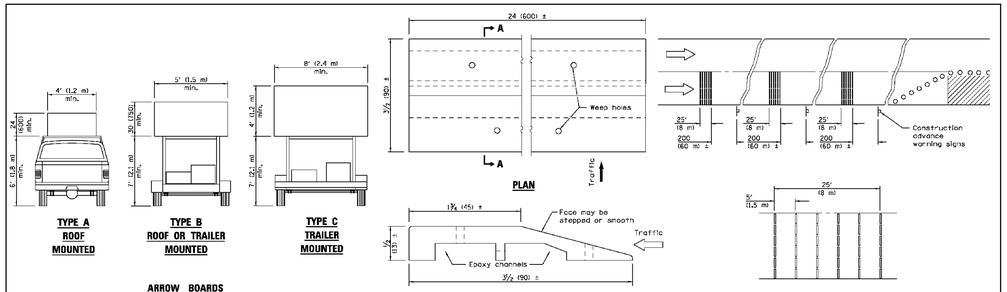
FLAGGER TRAFFIC CONTROL SIGN

Illinois Department of Transportation
APPROVED JANUARY 1, 2015 — ENGINEER OF OPERATIONS
APPROVED JANUARY 1, 2015 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 801 1-1-15

TRAFFIC CONTROL DEVICES

(Sheet 2 of 3)

STANDARD 701901-06



TYPE A ROOF MOUNTED | **TYPE B ROOF OR TRAILER MOUNTED** | **TYPE C TRAILER MOUNTED**

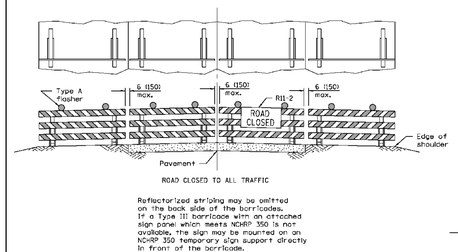
ARROW BOARDS

PLAN

SECTION A-A

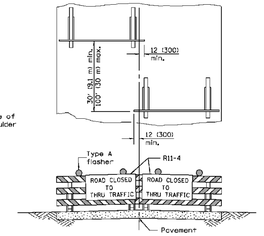
TYPICAL INSTALLATION

TEMPORARY RUMBLE STRIPS



ROAD CLOSED TO ALL TRAFFIC

Reflectorized striping may be omitted on the back side of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the sign may be mounted on an NCHRP 350 temporary sign support directly in front of the barricade.



ROAD CLOSED TO THRU TRAFFIC

Reflectorized striping shall appear on both sides of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the signs may be mounted on NCHRP 350 temporary sign supports directly in front of the barricade.

TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD

Illinois Department of Transportation
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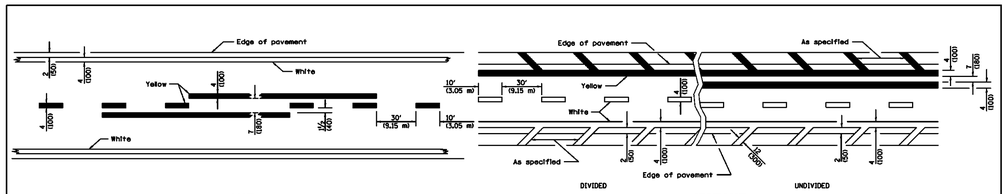
APPROVED JANUARY 1, 2015 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 801 1-1-15

TRAFFIC CONTROL DEVICES

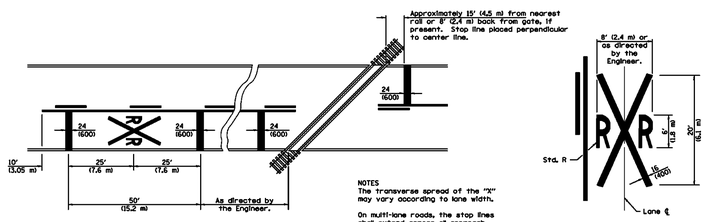
(Sheet 3 of 3)

STANDARD 701901-06



2 LANE | **MULTI LANE**

LANE AND EDGE LINES



NOTES
The transverse spread of the "X" may vary according to lane width.

On multi-lane roads, the stop lines shall extend across all approach lanes and separate R2R symbols shall be placed adjacent to each other in each lane.

When the pavement marking symbol is used, a portion of the symbol should be located directly adjacent to the Advance Warning Sign (W10-1) as placed by Table 2C-4, Condition B of the MUTCD.

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

All dimensions are in inches (millimeters) unless otherwise shown.

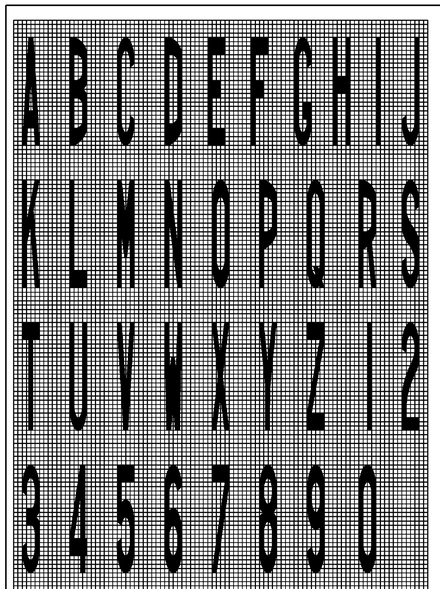
DATE	REVISIONS
1-1-15	Added symbols. Revised bike symbol. Revised note for stop line at RR crossing.
1-1-14	Added bike symbol. Renamed 'LANE DROP ARROW' detail to 'LANE-REDUCTION ARROW'.

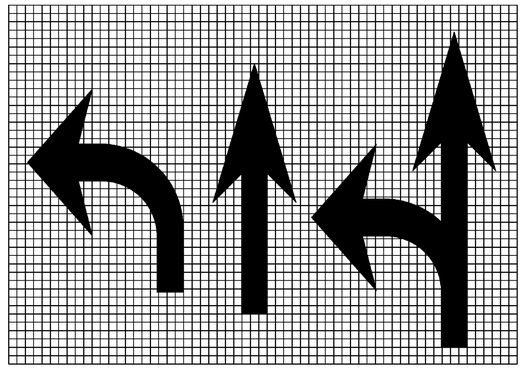
Illinois Department of Transportation
APPROVED JANUARY 1, 2015 — ENGINEER OF OPERATIONS
APPROVED JANUARY 1, 2015 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 801 1-1-15

TYPICAL PAVEMENT MARKINGS

(Sheet 1 of 3)

STANDARD 780001-05





Legend Height	Arrow Size	a
6' (1.8 m)	Small	2.9 (74)
8' (2.4 m)	Large	3.8 (96)

The space between adjacent letters or numerals should be approximately 3 (75) for 6' (1.8 m) legend and 4 (100) for 8' (2.4 m) legend.

LETTER AND ARROW GRID SCALE

Illinois Department of Transportation
APPROVED JANUARY 1, 2015 — ENGINEER OF OPERATIONS
APPROVED JANUARY 1, 2015 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 801 1-1-15

TYPICAL PAVEMENT MARKINGS

(Sheet 2 of 3)

STANDARD 780001-05

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DRAWN BY DHK DATE 7/21/2017

CHECKED BY RJD SCALE NTS

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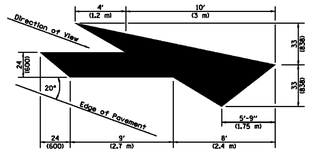
CITY OF WHEATON, IL
303 West Wesley Street
Wheaton, Illinois 60187
630-260-2000

REVISIONS		
NO.	DATE	DESCRIPTION

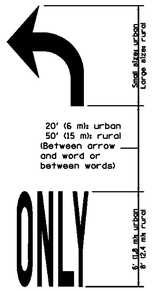
FRONT STREET
UNDERGROUND UTILITY UPGRADES

CIVIL DETAILS

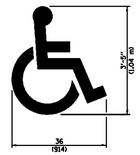
DRAWING NO.
36 OF 38



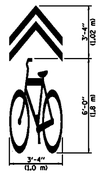
LANE-REDUCTION ARROW
Right lane-reduction arrow shown.
Use mirror image for left lane.



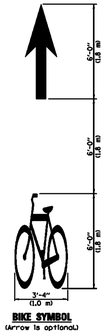
WORD AND ARROW LAYOUT



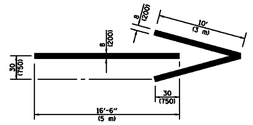
INTERNATIONAL SYMBOL OF ACCESSIBILITY



SHARED LANE SYMBOL



BIKE SYMBOL
(Arrow is optional)



WRONG WAY ARROW

Illinois Department of Transportation

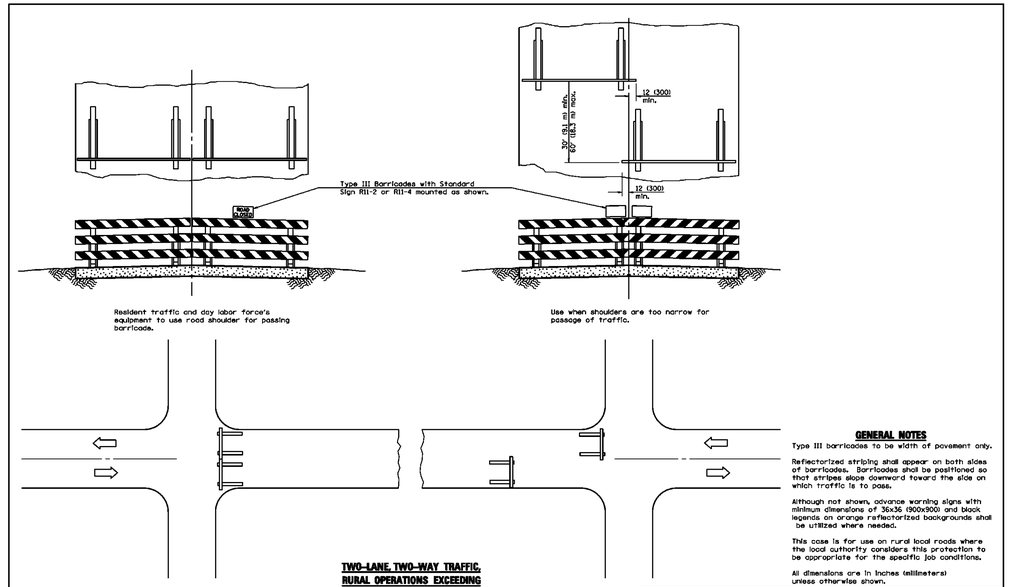
APPROVED January 1, 2015
ENGINEER OF OPERATIONS

APPROVED January 1, 2015
ENGINEER OF DESIGN AND ENVIRONMENT

IDOT STANDARD 701901-05

TYPICAL PAVEMENT MARKINGS
(Sheet 3 of 3)

STANDARD 780001-05



TWO-LANE, TWO-WAY TRAFFIC, RURAL OPERATIONS EXCEEDING ONE DAYLIGHT PERIOD

GENERAL NOTES

Type III barricades to be width of pavement only.

Reflectorized striping shall appear on both sides of barricades. Barricades shall be positioned so that stripes slope downward toward the side on which traffic is to pass.

Although not shown, advance warning signs with minimum dimensions of 36x36 (900x900) and black legends on orange reflectorized backgrounds shall be utilized where needed.

This case is for use on rural local roads where the local authority considers this protection to be appropriate for the specific job conditions.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

APPROVED January 1, 2009
ENGINEER OF LOCAL ROADS AND STREETS

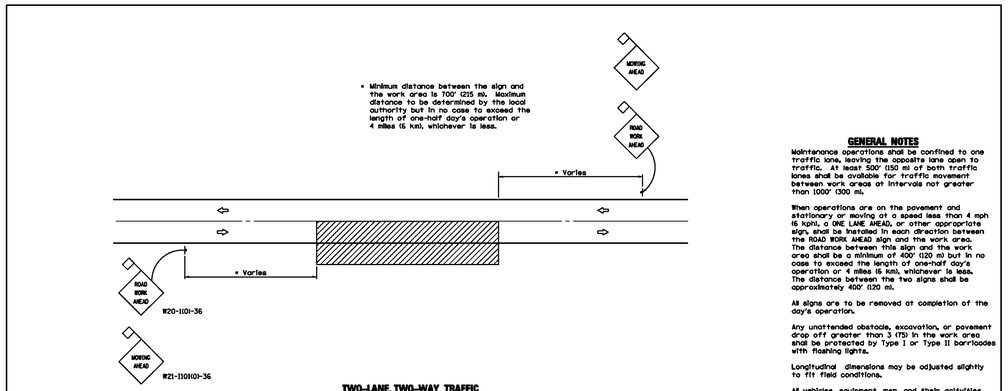
APPROVED January 1, 2005
ENGINEER OF DESIGN AND ENVIRONMENT

IDOT STANDARD 701106-01

DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-98	Rev. "R11-1" to "R11-4". Rev. 4th General Note.

TRAFFIC CONTROL DEVICES – DAY LABOR CONSTRUCTION

STANDARD B.L.R. 17-4



TWO-LANE, TWO-WAY TRAFFIC RURAL OPERATIONS DAY OPERATIONS ONLY

SYMBOLS

Work area

Sign with 18x18 (450x450) min. orange flag attached.

TYPICAL APPLICATIONS

MOWING
SPREADING AGGREGATE
WEED SPRAYING
SURFACE MAINTENANCE
BITUMINOUS RESURFACING
CRACK POURING
SHOULDER REPAIR
CLEANING DITCHES

GENERAL NOTES

Maintenance operations shall be confined to one traffic lane, leaving the opposite lane open to traffic. At least 500' (150 m) of both traffic lanes shall be available for traffic movement between work areas at intervals not greater than 1000' (300 m).

When operations are on the pavement and stationary or moving at a speed less than 4 mph (6 kph), a ONE LANE AHEAD, or other appropriate sign, shall be installed in each direction between the ROAD WORK AHEAD sign and the work area. The distance between this sign and the work area shall be a minimum of 400' (120 m) but in no case to exceed the length of one-half day's operation or 4 miles (6 km), whichever is less. The distance between the two signs shall be approximately 400' (120 m).

All signs are to be removed at completion of the day's operation.

Any unattended obstacle, excavation, or pavement drop off greater than 3 (75) in the work area shall be protected by Type I or Type II barricades with flashing lights.

Longitudinal dimensions may be adjusted slightly to fit field conditions.

All vehicles, equipment, men, and their activities are restricted at all times to one side of the pavment.

Flashing lights or rotating beacons are required for all maintenance vehicles while in operation.

Applicable operations illustrated in Standard 701301 may be used when operations do not exceed 15 minutes on the pavement or 60 minutes on the shoulder respectively.

All warning signs shall have minimum dimensions of 36x36 (900x900) and have black legend on an orange reflectorized background.

When fluorescent signs are used, orange flags are not required.

This case is for use on rural local roads where the local authority considers this protection to be appropriate for the specific job conditions.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

APPROVED January 1, 2015
ENGINEER OF LOCAL ROADS AND STREETS

APPROVED January 1, 2015
ENGINEER OF DESIGN AND ENVIRONMENT

IDOT STANDARD 701901-03

DATE	REVISIONS
1-1-15	Corrected RWA sign number.
1-1-09	Switched units to English (metric). Moved one General Note.

TRAFFIC CONTROL DEVICES– DAY LABOR MAINTENANCE

STANDARD B.L.R. 18-6

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DRAWN BY DHK DATE 7/21/2017
CHECKED BY RJD SCALE NTS

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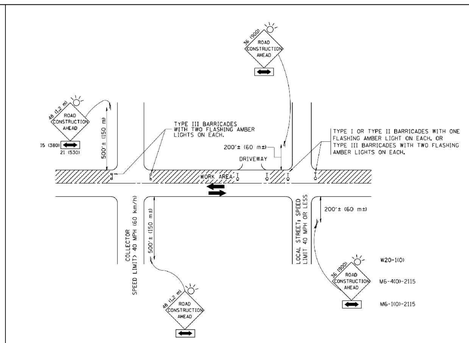
CITY OF WHEATON, IL
303 West Wesley Street
Wheaton, Illinois 60187
630-260-2000

REVISIONS NO.	DATE	DESCRIPTION

FRONT STREET
UNDERGROUND UTILITY UPGRADES

CIVIL DETAILS

DRAWING NO.
37 OF 38



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER.

   a) ONE **ROAD CONSTRUCTION AHEAD** SIGN (W20-1101) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER.

   a) ONE **ROAD CONSTRUCTION AHEAD** SIGN (W20-1101) 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500'-1000' (150 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.

3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY

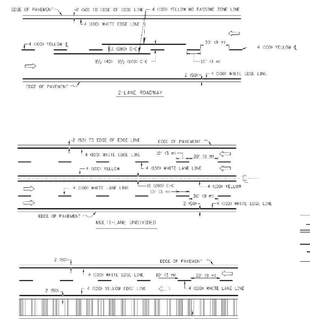
USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701801, STD. 701804 OR THE APPROPRIATE STANDARD), THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

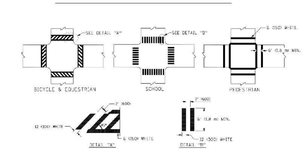
D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in millimeters (inches) unless otherwise shown.

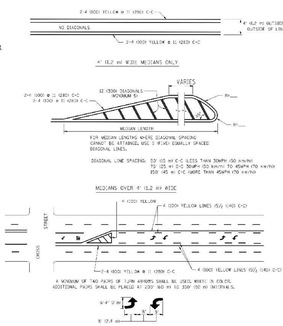
F.I.S. NAME = W:\plan_work\CAD\STD\TRF\tc600001.dgn	USER NAME = jpeglowski	DESIGNED - L.M.A.	REVISED - J. OBERLE 10-18-95	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
	PLOT SCALE = 50.000 ' / IN.	DRAWN -	REVISED - A. HOUSER 10-15-96				TC-10		
	PLOT DATE = 1/24/2008	CHECKED -	REVISED - A. HOUSER 03-06-98					CONTRACT NO.	
		DATE - 06-89	REVISED - T. RAMMACHER 01-06-00		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS	FED. AID PROJECT	



TYPICAL LANE AND EDGE LINE MARKING

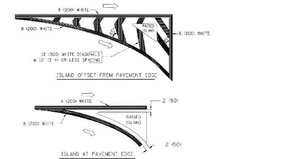


TYPICAL CROSSWALK MARKING



TYPICAL PAINTED MEDIAN MARKING

TYPICAL TURN LANE MARKING



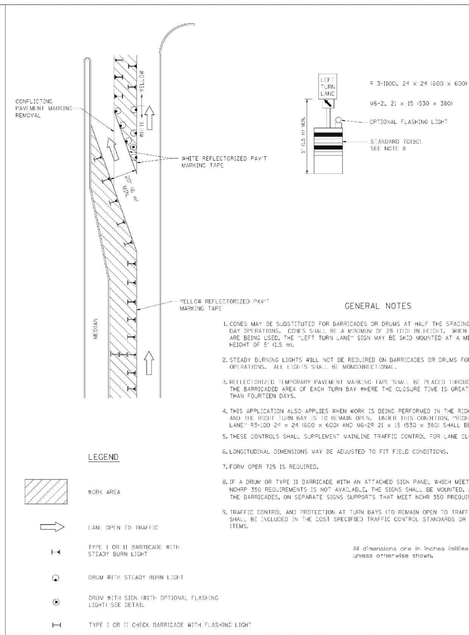
TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTER OF MULTI-LANE UNDIVIDED PAVEMENT	8 ⊕ 4 (200)	SOLID	YELLOW	8 (200) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 8 ⊕ 4 (200)	SOLID SOLID	YELLOW YELLOW	3/4 (600) C-C FROM SKIP-DASH DIVIDING LINE OR 2 (50) BETWEEN SOLID LINES
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
OUTER LINES EXTENSIONS OF CENTERLINE, LANE OR BOTH LINE MARKINGS	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	3' (600) LINE WITH 5' (1.5 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW LEFT WHITE RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW. USE 4 (100) BET. NEC. AND NEXT TO BARRIER CURB
PATH LINE MARKINGS	4 (100) ONE FULL CIRCLE EVERY 3 CYCLES (3' DIA.)	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 ⊕ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH 24 PICKS	YELLOW WHITE	10' (3 m) LINE WITH 10' (3 m) SPACE (SEE SKIP-DASH & STD. 1240 C.C. BETWEEN SOLID LINES) SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAILS
CROSSWALK LINES (PEDESTRIAN) A. PARALLEL (BARS) B. LONGITUDINAL (BARS) (SCHOOL)	2 ⊕ 6 (150) 6 (300) ⊕ 90° 12 (300) ⊕ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NO. LINES THAN 12' (3.6 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO NEAREST CROSSWALK LINE IF SIGNAL IS PRESENT, OTHERWISE PLACE AT DESIRED STOPPING POINT
PAINTED MEDIANS	2 ⊕ 4 (100) WIDE @ 1200 DIAGONALS @ 60°	SOLID	YELLOW TWO WAY TRAFFIC WHITE ONE WAY TRAFFIC	8 (200) C-C FOR 1:6 DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
	NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS			
CURB MARKING AND CHANNELIZING LINES	8 (200) WITH 12' (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS 8 (200) C-C ALONG THAN 30MPH (50 km/h) 12 (300) C-C ALONG OVER 40MPH (70 km/h) AND/OR 22' (6 m) C-C OVER 40MPH (70 km/h)
RAILROAD CROSSING	24 (600) TRANSVERSE LINES, THEN 12' (3.6 m) C-C TO 50' (15 m) FROM LINE FOR 72'	SOLID	WHITE	SEE STORM TO MINIMIZE PARKING AREA OF: "H"=DES. FT. (DES. M) "V"=DES. FT. (DES. M)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	NOT USE ON C-C LESS THAN 30MPH (50 km/h) TO 120 on C-C 150 MPH (50 km/h) TO 40MPH (70 km/h) (150 DES. FT. C-C COVER 40MPH AND 4 km/h)

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION AND STATE STANDARD TESTING.

All dimensions are in inches (millimeters) unless otherwise shown.

F.I.S. NAME = W:\plan_work\CAD\STD\TRF\tc600004.dgn	USER NAME = jpeglowski	DESIGNED - EVERS	REVISED - T. RAMMACHER 10-27-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE TYPICAL PAVEMENT MARKINGS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
	PLOT SCALE = 50.000 ' / IN.	DRAWN -	REVISED - E. JUDIS 05-09-95				TC-13		
	PLOT DATE = 1/24/2008	CHECKED - C-CHECD	REVISED -					CONTRACT NO.	
		DATE - 03-09-90	REVISED -		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS	FED. AID PROJECT	



GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28" (700) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1300 24 x 24 (600 x 600) AND W6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPEN 725 IS REQUIRED.
8. IF A DRUM OR TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL R40C4 MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SIDE DETAIL
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

All dimensions are in inches (millimeters) unless otherwise shown.

F.I.S. NAME = W:\plan_work\CAD\STD\TRF\tc600005.dgn	USER NAME = dmcdonough	REVISED - T. RAMMACHER 01-27-97	REVISED - T. RAMMACHER 08-04-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
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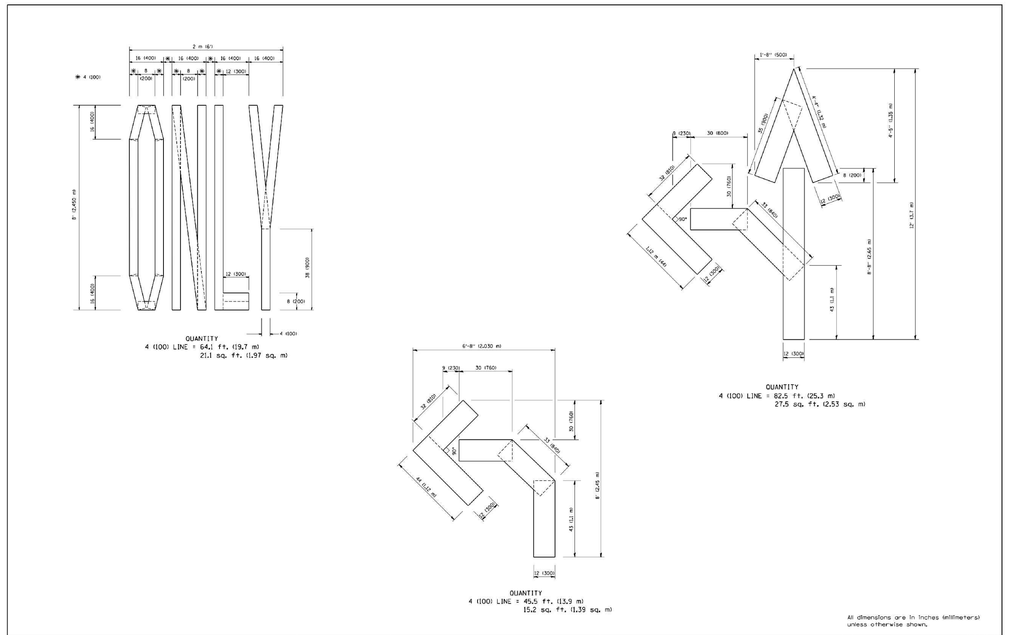
	PLOT DATE = 1/24/2008	REVISED - T. RAMMACHER 12-06-00	REVISED -		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS	FED. AID PROJECT	



QUANTITY
4 (100) LINE = 64.1 ft. (19.7 m)
21.1 sq. ft. (1.97 sq. m)

QUANTITY
4 (100) LINE = 82.5 ft. (25.3 m)
27.5 sq. ft. (2.53 sq. m)

QUANTITY
4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.39 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

F.I.S. NAME = W:\plan_work\CAD\STD\TRF\tc600016.dgn	USER NAME = jpeglowski	DESIGNED -	REVISED - T. RAMMACHER 06-05-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING	F.A. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
	PLOT SCALE = 50.000 ' / IN.	DRAWN -	REVISED - T. RAMMACHER 03-02-98				TC-16		
	PLOT DATE = 1/24/2008	CHECKED -	REVISED - E. GOMEZ 08-28-00					CONTRACT NO.	
		DATE - 09-08-94	REVISED -		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS	FED. AID PROJECT	

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DRAWN BY DHK DATE 7/21/2017

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CITY OF WHEATON, IL
303 West Wesley Street
Wheaton, Illinois 60187
630-260-2000

REVISIONS NO.	DATE	DESCRIPTION

FRONT STREET
UNDERGROUND UTILITY UPGRADES

CIVIL DETAILS

DRAWING NO.
38 OF 38

FRONT STREET UNDERGDOUND UTILITY UPGRADES

COST PROPOSAL INSTRUCTIONS

PLEASE SUBMIT 2 original Cost Proposals in sequential order as follows:

1) Formal Contract Proposal (as listed in the Index of Special Provisions)
    i) Notice to Bidders
    ii) Proposal
    iii) Schedule of Prices (IDOT form BLR12200a)
2) Local Agency Proposal Bid Bond (IDOT form BLR 12230)
3) Affidavit of Illinois Business Office (IDOT form BLR 12326)
4) Subcontractor list
5) Affidavit of Availability (IDOT form BC 57)
6) Special Provision for Low Impact Design – Green Infrastructure Training
7) Sealed Bid Envelope Label
8) Certification of Compliance
9) Notice of Deviations
10) Contractor Certification Part I
11) Contractor Certification Part II
12) Equal Employment Opportunity Clause
13) Drug Free Workplace Certification
14) Certificate of Insurance, Endorsements, Waiver of Subrogation

Do not submit perforated pages, nor bind your proposal in anything other than paper clips or binder clips.

BIDDER has examined copies of all the Invitation to Bid Documents and of the following Amendments (receipt of all which is hereby acknowledged):

Amendment #	Date	Amendment #	Date
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

It is the Bidder's responsibility to check the City of Wheaton web site to see if any amendments are issued regarding this project. Amendments may be issued until 48 hours before bid due date. http://www.wheaton.il.us/bids/.

EXHIBIT 1

This number must appear on the face of all invoices and documents related to this Agreement **No.** _____

CITY OF WHEATON, ILLINOIS
FRONT STREET UNDERGROUND UTILITY UPGRADES
AGREEMENT

THIS AGREEMENT is made and entered this _____day of _____by and between the **CITY OF WHEATON**, an Illinois municipal corporation **("City")**, located at 303 W. Wesley Street, Wheaton, Illinois, 60187 and _____**("Contractor")**, located at _____.

WHEREAS, the City has determined that it is reasonable and appropriate to engage the Contractor to provide materials, labor, equipment, supervision and services required to provide Front Street underground utility upgrades in the City of Wheaton (hereinafter, **"Front Street Underground Utility Upgrades"**) consistent with the City's Front Street Underground Utility Upgrades Invitation to Bid package which is attached hereto and incorporated herein as if fully set forth as **Group Exhibit A**; and

WHEREAS, Contractor has submitted a cost proposal to provide the materials, labor, equipment, supervision and services required to provide Front Street underground utility upgrades in the City of Wheaton, a copy of the Contractor's proposal is attached hereto and incorporated herein as if fully set forth as **Group Exhibit B**, and Contractor represents that it has the necessary expertise and experience to provide Front Street underground utility upgrades in the City, upon the terms and conditions set forth herein below.

NOW, THEREFORE, in consideration of the recitals and the mutual covenants, agreements, and conditions set forth in the Agreement, the parties agree as follows:

SECTION 1. PROJECT.

1.1 Recitals. The recitals set forth above, including **Group Exhibit A** and **Group Exhibit B**, are incorporated herein as substantive terms and conditions of this Agreement and represent the intent of the parties. Any inconsistency between the services as stated by the City in **Group Exhibit A** and the services as proposed by the Contractor in **Group Exhibit B** shall be controlled by the services as stated by the City in **Group Exhibit A**, unless specifically waived in writing in the contrary to this Subsection 1.1. Where this Agreement is inconsistent with any provision of **Group Exhibit A** or **Group Exhibit B**, this Agreement shall control.

1.2 Project Name. The name of this project is **Front Street Underground Utility Upgrades ("Project").**

1.3 Work To Be Done By Contractor. For and in consideration of the payments indicated in the Bid hereto attached, the Contractor shall at its own cost and expense perform all the work and furnish all the labor, material, equipment and other property necessary to do, construct, install, and complete all the work and improvements required, all in full accordance with and in compliance with and as required by the hereinafter specified Contract Documents, including any and all Addenda for such work, and to do all other things required of the Contractor by the Contract Documents for such work.

1.4 Contract Documents. The Contract Documents listed here, all of which are as fully a part of this Agreement as if herein set out verbatim, or if not attached, as if attached hereto, constitute component parts of this Agreement:

1. This Agreement
2. Bid Invitation Package
    - Cover Page
    - General Instructions Regarding the Solicitation of Contracted Services
    - General Terms and Conditions for Contractors
    - Special Provision Document
        - Notice to Bidders
        - Proposal
        - Schedule of Prices
        - Local Agency Proposal Bid Bond
        - Affidavit of Business Office
        - Subcontractor List
        - Affidavit of Availability
        - Low Impact Design
    - Supplemental Specifications and Recurring Special Provisions
        - Project Information and Specifications
    - Storm Water Pollution Prevention Plan
    - Soil Laboratory Testing (pH Determination)
    - Trench Backfill Chart
    - Contractor Certification Statement
    - Uncontaminated Soil Certification
    - Trench Backfill Tables for Concrete Pipes
    - Plans
    - Certification of Compliance
    - Notice of Deviations
    - Contractor Certification Part I: Sexual Harassment, Tax, Substance Abuse, Collusion, Employ Illinois Workers, & Prevailing Wage
    - Contractor Certification Part II: Patriot Act/USA Freedom Act, Americans with Disabilities Act, Steel Products, Public Works Employment Discrimination, & Safety
    - Equal Employment Opportunity Clause
    - Drug-Free Workplace Certification
3. Certificate of Insurance
5. Contract Drawings
6. All Bonds mentioned or referred to in the foregoing Documents
7. Any and all other Documents or Papers included or referred to in the foregoing Documents.

all of which documents are on file with the City. Where this Agreement is inconsistent with any provision of the Standard Specifications for Road and Bridge Construction or the Supplemental Specifications and Recurring Special Provisions, this Agreement shall control.

1.5 Time of Performance. The Contractor shall commence work within in ten (10) calendar days after receipt from the City of a formal Notice to Proceed and shall complete the Project by November 17, 2017. The Contractor agrees that time is of the essence.

1.6 Independent Contractor Status. The Contractor shall act as an independent contractor in providing and performing the Work. Nothing in, nor done pursuant to, this Agreement shall be construed (i) to create the relationship of principal and agent, employer and employee, partners, or joint-venturers between the City and Contractor; or (ii) to create any relationship between the City

and any subcontractor of the Contractor. Contractor is not in any way authorized to make any contract, agreement, or promise on behalf of the City, or to create any implied obligation on behalf of the City, and Contractor specifically agrees that it shall not do so. The City shall not have the authority to control the method or manner by which Contractor complies with the terms of this Agreement.

1.7 Bonds. Contractor shall furnish with the executed Agreement, a performance bond equal to one-hundred and ten percent (110%) of the full contract price, on forms approved by the City, as security for the faithful performance and completion of all the Contractor's obligations under the Contract Documents, and covering the payment of all materials used in the performance of this Agreement and for all labor and services performed under this Agreement. Such bond(s) shall be conditioned to save and keep harmless the City from any and all claims, demands, losses, suits, costs, expenses and damages which may be brought, sustained or recovered against the City by reason of any negligence, default or failure of the Contractor in building, constructing or completing the Work, and that the Work shall be free from all defects and remain in good order and condition for one year from its completion and acceptance by the City; ordinary wear and tear, and damage resulting from accident or willful destruction excepted. Failure to provide the required bond(s) shall constitute a breach of Contractor's obligations under this Agreement. Each surety providing a bond must be licensed in Illinois and have an A.M. Best Company, Inc. financial strength rating of at least A-. All bonds signed by an agent must be accompanied by a certified copy of his or her authority to act. It shall be the duty of the Contractor to advise the surety or sureties of any Change Orders that result in an increase to Consultant's compensation and to ensure that the amounts of the bonds are updated to reflect and cover any such increases throughout the course of the Project. A copy of all bond certificates shall be attached to this Agreement and made a part hereof.

1.8 Additional Work. The Contractor shall provide only the Work specified in the Contract Documents. Additional work that is not part of the Work of the Contract Documents may be assigned subject to prior written approval or direction by the City. Payment for additional work shall be mutually agreed upon by the parties before the commencement of any additional work. Any additional work shall be subject to the terms and conditions of this Agreement.

SECTION 2. COMPENSATION AND METHOD OF PAYMENT.

2.1 Agreement Amount. The total amount billed by the Contractor for the Work performed for the Project under this Services Agreement shall not exceed $_____, including reimbursable expenses, without the prior express written authorization of the City.

2.2 Payment. The Contractor shall receive and accept payments indicated in its Bid as full compensation for furnishing all materials and equipment and for doing all the work contemplated and embraced in this Agreement. City shall make payments to the Contractor in accordance with the Payment provisions of the General Term and Conditions for Contractors contained in Group Exhibit A.

2.3 Unappropriated Funds. The obligation of the City for payment to the Contractor is limited to the availability of funds appropriated in a current fiscal period, and continuation of this Agreement into a subsequent fiscal period is subject to the appropriation of funds, unless otherwise authorized by law.

2.4 Taxes, Benefits, and Royalties. The Agreement Amount includes all applicable federal, state and City taxes of every kind and nature applicable to the Work as well as all taxes, contributions, and premiums for unemployment insurance, old age or retirement benefits, pensions, annuities, or similar benefits and all costs, royalties, and fees arising from the use of, or the incorporation into, the Work, of patented or copyrighted equipment, materials, supplies, tools,

appliances, devices, processes, or inventions. All claims or right to claim additional compensation by reason of the payment of any such tax, contribution, premium, costs, royalties, or fees is hereby waived and released by Contractor.

2.5 Interest Waiver. Contractor hereby waives any and all claims or rights to interest on money claimed to be due pursuant to this Agreement, and all such rights to interest to which it may otherwise be entitled pursuant to law, including, but not limited to, pursuant to the Local Government Prompt Payment Act, (50 ILCS 505/1 *et seq.*) as amended or the Illinois Interest Act (815 ILCS 205/1, *et seq.*) as amended.

2.6 Records. The Contractor shall maintain records showing actual time devoted and costs incurred in connection with the Work performed under this Agreement, and shall permit the authorized representative of the City to inspect, audit and make copies of all data and records of the Contractor for the Work done under this Agreement. All such records shall be clearly identifiable. The records shall be made available to the City during normal business hours during the Agreement period, and for three years after the termination of the Agreement.

SECTION 3. REPRESENTATIONS OF CONTRACTOR.

3.1 Warranty of Services. The Contractor represents, certifies and warrants that it shall perform and complete the Work in a manner consistent with the level of care, skill, and diligence exercised by other recognized Contractors in the Wheaton area, under similar circumstances at the time the Work is performed. The representations, certifications, and warranties expressed shall be in addition to any other representations, certifications, and warranties expressed in this Agreement, or expressed or implied by law, which are hereby reserved unto the City.

3.2 Solvency. The Contractor represents that it is financially solvent and has the necessary financial resources to perform the Work with the standard of care required under this Agreement.

SECTION 4. INSURANCE; LIABILITY

4.1 Insurance. Contemporaneous with the Contractor's execution of this Agreement, the Contractor shall provide certificates and policies of insurance, all with coverages and limits acceptable to the City, and evidencing at least the minimum insurance coverages and limits as set forth by the City in the **Agreement Addendum 1** included in Group Exhibit A to this Agreement.

4.2 No Personal Liability. No elected or appointed official, director, officer, agent or employee of the City shall be personally liable, in law or in contract, to the Contractor as the result of the execution, approval or attempted execution of this Agreement.

4.3 No Liability to Any Third Party. The City shall have no liability to any third party in contract, tort or otherwise for incidental or consequential damages of any kind, including, without limitation, punitive or economic damages or lost profits, regardless of whether the City shall be advised, shall have reason to know or in fact shall know of the possibility.

4.4 Third Party Beneficiaries. There are no third party beneficiaries of this Agreement.

SECTION 5. CONFIDENTIAL INFORMATION.

5.1 Confidential Information. The term "**Confidential Information**" shall mean information in the possession or under the control of the City relating to the technical, business, or corporate affairs of the City; City property; user information, including, without limitation, any

information pertaining to usage of the City's computer system, including and without limitation, any information obtained from server logs or other records of electronic or machine readable form; and the existence of, and terms and conditions of, this Agreement. City Confidential Information shall not include information that can be demonstrated: (i) to have been rightfully in the possession of the Contractor from a source other than the City prior to the time of disclosure of said information to the Contractor under this Agreement ("**Time of Disclosure**"); (ii) to have been in the public domain prior to the Time of Disclosure; (iii) to have become part of the public domain after the Time of Disclosure by a publication or by any other means except an unauthorized act or omission or breach of this Agreement on the part of the Contractor or the City; or (iv) to have been supplied to the Contractor after the Time of Disclosure without restriction by a third party who is under no obligation to the City to maintain such information in confidence.

5.2 No Disclosure of Confidential Information by the Contractor. The Contractor acknowledges that it in the event that it shall, in performing the Work for the City under this Agreement, have access to or be directly or indirectly exposed to Confidential Information, that Contractor shall hold confidential all Confidential Information and shall not disclose or use such Confidential Information without express prior written consent of the City. The Contractor shall use reasonable measures at least as strict as those the Contractor uses to protect its own confidential information. Such measures shall include, without limitation, requiring employees and subcontractors of the Contractor to execute a non-disclosure agreement before obtaining access to Confidential Information.

5.3 Breach of Confidentiality. In the event of breach of the confidentiality provisions of Section 5 of this Agreement, it shall be conclusively presumed that irreparable injury would result to the City and there would be no adequate remedy at law. The City shall be entitled to obtain temporary and permanent injunctions, without bond and without proving damages, to enforce this Agreement. The City shall be entitled to damages for any breach of the injunction, including but not limited to, compensatory, incidental, consequential, exemplary and punitive damages. The confidentiality provisions of this Agreement survive the termination or performance of this Agreement.

SECTION 6. TERMINATION.

6.1 Termination. Notwithstanding any other provision hereof, the City may terminate this Agreement, with or without cause, at any time upon fifteen (15) days prior written notice to the Contractor. In the event that this Agreement is so terminated, the City shall pay Contractor for the Work performed and reimbursable expenses actually incurred as of the effective date of termination, less any sums attributable, directly or indirectly, to Contractor's breach of this Agreement. The written notice required under this subsection shall be either (i) served personally during regular business hours; (ii) served by facsimile during regular business hours (iii) served by certified or registered mail, return receipt requested, addressed to the address listed at the end of this Agreement with postage prepaid and deposited in the United States mail or (iv) by e-mail sent to the Contractor's Key Project Personnel. Notice served personally, by facsimile transmission or e-mail shall be effective upon receipt, and notice served by mail shall be effective upon receipt as verified by the United States Postal Service. Contractor shall provide the City with its Key Project Personnel's e-mail address upon its execution of this Agreement. On receiving such notice, Contractor shall, unless the notice directs otherwise, immediately discontinue all Work under this Agreement. As soon as practicable after receiving the termination notice, Contractor shall submit an invoice to the City showing in detail the Work performed under this Agreement up to the termination date. Contractor's receipt of payment for Work rendered upon City's termination of this Agreement, is Contractor's sole and exclusive remedy for termination for convenience by the City. City's termination for convenience does not constitute a default or breach of this Agreement. CONTRACTOR WAIVES ANY CLAIM (OTHER THAN ITS CLAIM FOR PAYMENT FOR WORK PERFORMED), IT MAY HAVE NOW OR IN THE FUTURE FOR

FINANCIAL LOSSES OR OTHER DAMAGES RESULTING FROM CITY'S TERMINATION FOR CONVENIENCE.

SECTION 7. COMPLIANCE WITH LAWS AND GRANTS.

7.1 Freedom of Information Act. The Contractor shall, within four (4) business days of the City's request, provide any documents in the Contractor's possession related to this Agreement which the City is required to disclose to a requester under the Illinois Freedom of Information Act ("**FOIA**"). This provision is a material covenant of this Agreement. Contractor agrees to not apply any costs or charge any fees to the City regarding the procurement of records required pursuant to an FOIA request. Should Contractor request that the City utilize a lawful exemption under FOIA in relation to any FOIA request thereby denying that request, Contractor agrees to pay all costs connected therewith (such as reasonable attorneys' fees and witness fees, filing fees, and any other expenses) to defend the denial of the request. The defense shall include, but not be limited to, challenged or appealed denials of FOIA requests to either the Illinois Attorney General or a court of competent jurisdiction. Contractor agrees to defend, indemnify, and hold harmless the City, and agrees to pay all costs in connection therewith (such as reasonable attorneys' and witness fees, filing fees, and any other expenses) to defend any denial of a FOIA request by Contractor's request to utilize a lawful exemption to the City.

7.2 Generally: Permits/Codes/Business Laws/Safety Standards/Grants. Contractor shall give all notices, pay all fees, and take all other action that may be necessary to ensure that the Services are provided, performed, and completed in accordance with all required governmental permits, licenses, or other approvals and authorizations that may be required in connection with providing, performing, and completing the Services, and will comply with all applicable municipal, county, state and federal statutes, ordinances, rules, and regulations, including without limitation all applicable building and fire codes, now in force or which may hereafter be in force, any statutes regarding qualification to do business, and all local, state and federal safety standards. Contractor shall comply with all conditions of any federal, state, or local grant received by Owner or Contractor with respect to this Agreement or the Services. Contractor shall be solely liable for any fines or civil penalties that are imposed by any governmental or quasi-governmental agency or body that may arise, or be alleged to have arisen, out of or in connection with Contractor's, or its subcontractors', performance of, or failure to perform, the Services or any part thereof. Every provision of law required by law to be inserted into this Agreement shall be deemed to be inserted herein.

7.3 No Delinquent Taxes. The Contractor represents and certifies that the Contractor is not barred from contracting with a unit of state or local government as a result of a delinquency in the payment of any tax administered by the Illinois Department of Revenue unless the Contractor is contesting, in accordance with the procedures established by the appropriate revenue act, its liability for the tax, or has entered into an agreement with Department of Revenue for payment of all taxes due and is currently in compliance with that agreement, as set forth in 11-42.1-1 et seq. of the Illinois Municipal Code, 65 ILCS 5/11-42.1-1 et seq.

7.4 No Collusion. The Contractor represents and certifies that the Contractor is not barred from contracting with a unit of state or local government as a result of a violation of either Section 33E-3 or Section 33E-4 of Article 33E of the Criminal Code of 2012, 720 ILCS 5/33E-1 et seq. The Contractor represents that the only persons, firms, or corporations interested in this Agreement as principals are those disclosed to the City prior to the execution of this Agreement, and that this Agreement is made without collusion with any other person, firm, or corporation. If at any time it shall be found that the Contractor has, in procuring this Agreement, colluded with any other person, firm, or corporation, then the Contractor shall be liable to the City for all loss or damage that the City may suffer, and this Agreement shall, at the City's option, be null and void.

7.5 **Sexual Harassment Policy**. The Contractor shall certify that it has a written sexual harassment policy in full compliance with Section 2-105(A)(4) of the Illinois Human Rights Act, 755 ILCS 5/2-105(A)(4).

7.6 **Patriot Act (USA Freedom Act) Compliance.** The Contractor represents and warrants to the City that neither it nor any of its principals, shareholders, members, partners, or affiliates, as applicable, is a person or entity named as a Specially Designated National and Blocked Person (as defined in Presidential Executive Order 13224) and that it is not acting, directly or indirectly for or on behalf of a Specially Designated National and Blocked Person. The Contractor further represents and warrants to the City that the Contractor and its principals, shareholders, members, partners, or affiliates, as applicable, are not directly or indirectly, engaged in, and are not facilitating, the transactions contemplated by this Agreement on behalf of any person or entity named as a Specially Designated National and Blocked Person. The Contractor hereby agrees to defend, indemnify and hold harmless the City, its corporate authorities, and all City elected or appointed officials, officers, employees, agents, representatives, engineers, and attorneys, from and against any and all claims, damages, losses, risks, liabilities, and expenses (including reasonable attorneys' fees and costs) arising from or related to any breach of the representations and warranties in this subsection.

7.7 **Anti-Discrimination Laws.** Contractor shall comply with all federal and state laws prohibiting discrimination because of, or requiring affirmative action based on race, color, religion, sex, sexual orientation, marital status, order of protection status, national origin or ancestry, citizenship status, age, physical or mental disability unrelated to ability, military status or an unfavorable discharge from military service, and shall execute the Equal Employment Opportunity Clause compliance certification attached to this Agreement in Group Exhibit A.

7.8 **Americans with Disabilities Act.** Contractor shall utilize standards and/or methods that do not discriminate against the disabled in compliance with the Americans with Disabilities Act, 42 U.S.C. §§12101 et seq.

7.9 **Drug Free Workplace Act.** Contractor shall comply with all conditions of the Illinois Drug Free Workplace Act, 30 ILCS 580/3 et seq.

7.10 **CDL Driver Controlled Substances and Alcohol Use and Testing.** To the extent that the Contractor and any employees, agents, or subcontractors thereof, will operate any commercial vehicles requiring the necessity for a state issued Commercial Driver's License, Contractor shall comply with Federal Highway Authority Rules on Controlled Substances and Alcohol Use and Testing, 49 CFR Parts 40 and 382 and shall notify the City of any employee, agent subcontractor driver participating in a drug and alcohol testing program pursuant to the aforementioned rules during the term of this Agreement.

7.11 **Employment of Illinois Workers on Public Works Projects Act.** When applicable, Contractor shall comply with the Illinois labor employment requirements as set forth in the Employment of Illinois Workers on Public Works Projects Act, 30 ILCS 570/1 et seq.

7.12 **Public Works Employment Discrimination Act.** Contractor shall comply with all conditions and requirements of the Illinois Public Works Employment Discrimination Act, 775 ILCS 10/0.01 et seq.

7.13 **Steel Products Procurement Act.** When applicable, any steel product used or supplied in the performance of the contract or any subcontract thereto, shall be manufactured or

produced in the United States, as required by the Illinois Steel Products Procurement Act, 30 ILCS 565/1 et seq.

7.14 Substance Abuse Prevention. Pursuant to the Substance Abuse Prevention on Public Works Projects ("SAPPWP") 820 ILCS 265/1 et seq., employees of the Contractor and employees of any Subcontractor are prohibited from the use of drugs or alcohol, as defined in the SAPPWP, while performing work on any public works project. The Contractor certifies that it has a written Substance Abuse Prevention Program for the prevention of substance abuse among its employees which meets or exceed the requirements of the SAPPWP or shall have a collective bargaining agreement in effect dealing with the subject matter.

7.15 Prevailing Wage Act. Some or all of the Work herein required under this Agreement may involve the construction of a "public work," within the meaning of the Illinois Prevailing Wage Act, 820 ILCS 130/0.01 et seq. ("the Act"). The Act requires contractors and subcontractors to pay laborers, workers and mechanics performing services on public works projects no less than the "prevailing rate of wages" (hourly cash wages plus fringe benefits) in the county where the work is performed. For information regarding current prevailing wage rates, please refer to the Illinois Department of Labor's website at: http://www.state.il.us/agency/idol/rates/rates.HTM. All contractors and subcontractors rendering work under this contract must comply with all requirements of the Act, including but not limited to, all wage, notice and record keeping duties, as more fully set forth in the "Special Provisions for: Wages of Employees on Public Works" contained in Group Exhibit A to this Agreement. The Contractor shall indemnify the City for any and all violations of the prevailing wage laws and any rules and regulations now and hereafter issued pursuant to said laws.

7.16 Veterans Preference Act. When applicable, Contractor shall comply with all employment preference requirements of the Illinois Veterans Preference Act, 330 ILCS 55/0.01 et seq.

7.17 Execution of Certifications. Contractor shall execute the legal certifications and compliance with laws documentation which is attached hereto and incorporated herein as if fully set forth as **Group Exhibit C**.

SECTION 8. GENERAL PROVISIONS.

8.1 Work Products. Designs, drawings, plans, specifications, photos, reports, information, observations, calculations, notes, studies, logbooks, instructions, manuals, models, recommendations, printed and electronic files, and any other data or information, in any form, prepared, collected, or received by the Contractor in connection with any or all of the Work to be performed under this Agreement ("**Documents**") shall be and remain the exclusive property of the City. At the City's request, or upon termination of this Agreement, the Contractor shall cause the Documents to be promptly delivered to the City.

8.2 News Releases. The Contractor shall not issue any news releases or other public statements regarding the Work without prior approval from the City Manager.

8.3 Integration. The provisions set forth in this Agreement represent the entire agreement between the parties and supersede all prior agreements, promises, and representations, as it is the intent of the parties to provide for a complete integration within the terms of this Agreement.

8.4 Amendment. No amendment or modification to this Agreement shall be effective unless and until such amendment or modification is in writing, properly approved in accordance with applicable procedures, and executed.

8.5 Assignment. This Agreement, or any part, rights or interests hereof, may not be assigned by the City or by the Contractor to any other person, firm or corporation without the prior written consent of the other party.

8.6 Limitation of Liability. CITY SHALL NOT BE LIABLE TO CONTRACTORS FOR ANY INDIRECT, CONSEQUENTIAL, SPECIAL, INCIDENTAL, PUNITIVE, OR EXEMPLARY DAMAGES, INCLUDING WITHOUT LIMITATION, LOST PROFITS (DIRECT OR INDIRECT) AND LOST REVENUES HOWSOEVER ARISING, WHETHER OR NOT CHARACTERIZED IN NEGLIGENCE, TORT, CONTRACT OR OTHER THEORY OF LIABILITY, EVEN IF CITY HAS BEEN ADVISED OF THE POSSIBILITY OF OR COULD HAVE FORESEEN ANY SUCH DAMAGES.

8.7 Binding Effect. The terms of this Agreement shall bind and inure to the benefit of the parties hereto and their agents, successors, and assigns.

8.8 Waiver. Any failure of either the City or the Contractor to strictly enforce any term, right or condition of this Agreement, whether implied or express, shall not be construed as a waiver of such term, right or condition, nor shall it be deemed to or constitute a continuing waiver unless otherwise expressly provided in this Agreement.

8.9 Severability. If any term, covenant, condition, or provision of this Agreement is held by a court of competent jurisdiction to be invalid, void, or unenforceable, the remainder of the provisions shall remain in full force and effect and shall in no way be affected, impaired or invalidated.

8.10 Governing Laws/Jurisdiction. This Agreement shall be interpreted according to the laws of the State of Illinois. Exclusive jurisdiction for any litigation involving any aspect of this Agreement shall be in the Eighteenth Judicial Circuit Court, DuPage County, Illinois.

8.11 Force Majeure. No party hereto shall be deemed to be in default or to have breached any provision of this Agreement as the result of any delay, failure in performance or interruption of services resulting directly or indirectly from acts of God, acts of civil or military disturbance, or war, which are beyond the control of such non-performing party.

8.12 Headings. The headings of the several paragraphs of this Agreement are inserted only as a matter of convenience and for reference and are in no manner intended to define, limit or describe the scope of intent of any provision of this Agreement, nor shall they be construed to affect in any manner the terms and provisions hereof or the interpretation or construction thereof.

8.13 Rights Cumulative. Unless expressly provided to the contrary in this Agreement, each and every one of the rights, remedies, and benefits provided by this Agreement shall be cumulative and shall not be exclusive of any other such rights, remedies and benefits allowed by law.

8.14 Counterpart Execution. This Agreement may be executed in several counterparts, each of which, when executed, shall be deemed to be an original, but all of which together shall constitute one and the same instrument.

8.15 Notice. Unless otherwise expressly provided in this Agreement, any notice or communication required or permitted to be given under this Agreement shall be in writing and shall be delivered (i) personally, (ii) by a reputable overnight courier, (iii) by certified mail, return receipt requested, and deposited in the U.S. Mail, postage prepaid, (iv) by facsimile, or (v) by electronic internet mail ("e-mail"). Facsimile notices shall be deemed valid only to the extent that they are (a) actually received by the individual to whom addressed and (b) followed by delivery of actual notice in

the manner described in either (i), (ii), or (iii) above within three (3) business days thereafter at the appropriate address set forth below. E-mail notices shall be deemed valid and received by the addressee thereof when delivered by e-mail and (a) opened by the recipient on a business day at the address set forth below, and (b) followed by delivery of actual notice in the manner described in either (i), (ii), or (iii) above within three (3) business days thereafter at the appropriate address set forth below. Unless otherwise expressly provided in this Agreement, notices shall be deemed received upon the earlier of (a) actual receipt; or (b) one business day after deposit with an overnight courier as evidenced by a receipt of deposit; or (c) three business days following deposit in the U.S. mail, as evidence by a return receipt. By notice complying with the requirements of this Subsection, each party shall have the right to change the address or the addressee, or both, for all future notices and communications to such party, but no notice of a change of addressee or address shall be effective until actually received.

Notices and communications shall be addressed to, and delivered to as follows:

If to the Contractor:

If to the City:
City of Wheaton
Attn: City Clerk
303 W. Wesley Street, Box 727
Wheaton, IL 60187-727
E-Mail: cityclerk@wheaton.il.us
Fax #: 630-260-2017

8.16 Contract Numbering. The faces of all invoices and documents shall contain the following contract number_____ for reference purposes.

IN WITNESS WHEREOF, the parties have entered into this Agreement this ___day of _____ 2017.

CITY OF WHEATON, an Illinois municipal corp.

By: _____Date:_____

ATTEST:

BY: _____
Sharon Barrett-Hagen, City Clerk

BY:_____ Date:_____
Signature

Its: _____

ATTEST:

BY:_____

Title: _____

FRONT STREET UNDERGROUND UTILITY UPGRADES

CERTIFICATION OF COMPLIANCE

(I) The undersigned certifies that they agree to fulfill all Requirements, Specifications, Terms and Conditions.
(II) The undersigned certifies that they agree to fulfill all Agreement Requirements.
(III) The undersigned certifies that they agree to present alternative Greener products/processes to the City for consideration in this work.

Check One:

☐**There are no conflicts of interest**; and in the event that a conflict of interest is identified anytime during the duration of this award, or reasonable time thereafter, you, your firm, or your firm's ownership, management or staff will immediately notify the City of Wheaton in writing.

☐ **There is an affiliation or business relationship** between you, your management or staff, your firm, or your firm's ownership, and an employee, officer, or elected official of the City of Wheaton who makes recommendations to the City of Wheaton with respect to expenditures of money, employment, and elected or appointed positions. Provide any and all affiliations or business relationships that might cause a conflict of interest or any potential conflict of interest. Include the name of each City of Wheaton affiliate with whom you, your firm, or your firm's ownership, management or staff, has an affiliation or a business relationship.

This Business Firm is: (check one)

☐ Corporation ☐ Partnership ☐ Individual ☐ LLC

Firm Name:_____

Firm Address: _____

_____

Signature: _____

Print Name: _____

Position: _____

Phone #: _____

Fax #: _____

e-mail address: _____

Date signed: _____

ACKNOWLEDGED AND AGREED TO:

By _____
(Authorized Signature and Title)

Operational Contact for this work

Name: _____

Phone #: _____

e-mail: _____

Sales Contact

Name: _____

Phone #: _____

e-mail: _____

Billing Contact

Name: _____

Phone #: _____

e-mail: _____

State of _____

County of _____

Signed and sworn (or affirmed) to before me on _____ (date)

By _____ (name/s of person/s making statement).

_____
(Signature of Notary Public)

(Seal)

Failure to complete and return this form may be considered sufficient reason for rejection of the bid.

FRONT STREET UNDERGROUND UTILITY UPGRADES

NOTICE OF DEVIATIONS

NOTICE OF DEVIATIONS for the (1) Specification and/or (2) Agreement Requirements: We deviate from (1) the desired SPECIFICATIONS of the City of Wheaton and/or (2) the FRONT STREET UNDERGROUND UTILITY UPGRADES AGREEMENT, in the following areas (Please reference the specific requirement number):

As best as can be ascertained, there are no deviations other than those listed.

Company Name_____

Signature_____ Job Title_____

Print Name_____ Date Signed_____

Contractor Certification Part I: Sexual Harassment, Tax, Substance Abuse, Collusion, Employ Illinois Workers, & Prevailing Wage

_____, having been first duly sworn deposes and states as follows:
(Officer or Owner of Company)
_____, having submitted a proposal for:
(Name of Company)

Front Street Underground Utility Upgrades

hereby certifies that the undersigned Contractor:

1. has a written sexual harassment policy in place in full compliance with 775 ILCS 5/2-105(A)(4).

2. is not delinquent in the payment of any tax administered by the Illinois Department of Revenue, or if it is:

    a. it is contesting its liability for the tax or the amount of tax in accordance with procedures established by the approved Revenue Act; or

    b. it has entered into an agreement with the Department of Revenue for payment of all taxes due and is currently in compliance with that agreement.

3. is in full compliance with the Federal Highway Administration Rules on Controlled Substances and Alcohol Use and Testing, 49 CFR Parts 40 and 382 and that _____ is/are currently participating
(Name of employee/driver or "all employee drivers") in a drug and alcohol testing program pursuant to the aforementioned rules.

(Check either 4A or 4B, depending upon which certification is correct.)

___4A. has in place a written program which meets or exceeds the program requirements of the Substance Abuse Prevention on Public Works Projects Act (Public Act 95-0635), and has provided a written copy thereof to the City of Wheaton; or

___4B. has in place a collective bargaining agreement which deals with the subject matter of the Substance Abuse Prevention on Public Works Projects Act (Public Act 95-0635).

5. is not barred from contracting with any unit of state or local government as a result of a violation of either Section 33E-3 or 33E-4 of the Illinois Criminal Code, or of any similar offense of "bid-rigging" or "bid-rotating" of any state of the United States.

6. agrees that, to the extent required by the Employment of Illinois Workers on Public Works Act (30 ILCS 570/1 et seq.), as now existing or hereafter amended, the undersigned shall comply with the Illinois labor employment requirements as set forth in the Act.

7. is, to the extent required, in compliance with all requirements of the Illinois Prevailing Wage Act, 820 ILCS 130/0.01 et seq.

ACKNOWLEDGED AND AGREED TO:

By _____
(Authorized Signature and Title)

State of _____

County of _____

Signed and sworn (or affirmed) to before me on _____ (date)

By _____ (name/s of person/s making statement).

_____

(Signature of Notary Public)

(Seal)

Failure to complete and return this form may be considered sufficient reason for rejection of the bid.

Contractor Certification Part II: Patriot Act/USA Freedom Act, Americans with Disabilities Act, Steel Products, Public Works Employment Discrimination, & Safety

_____, having been first duly sworn deposes and states as follows:
(Officer or Owner of Company)
_____, having submitted a proposal for:
(Name of Company)

Front Street Underground Utility Upgrades

hereby certifies that the undersigned Contractor:

1. is not barred from bidding and/or contracting with a unit of state or local government as a result of a violation of the USA Patriot Act of 2001, 107 Public Law 56 (October 26, 2001)(the "Patriot Act") and the USA Freedom Act, H.R. 2048, Pub. L. 114-23 which restored and modified the Patriot Act, or other statutes, orders, rules, and regulations of the United States government and its various executive departments, agencies and offices related to the subject matter of the Patriot Act, including, but not limited to, Executive Order 13224 effective September 24, 2001. Contractor also certifies that it is not acting, directly or indirectly, for or on behalf of any person, group, entity or nation named by the United States Treasury Department as a Specially Designated National and Blocked Person, or for or on behalf of any person, group, entity or nation designated in Presidential Executive Order 13224 as a person who commits, threatens to commit, or supports terrorism; and Contractor further certifies that it is not engaged in this transaction directly or indirectly on behalf of, or facilitating this transaction directly or indirectly on behalf of, any such person, group, entity or nation.

2. agrees, to the extent required by the Americans with Disabilities Act ("ADA"), 42 U.S.C. §§12101 et seq., the undersigned shall utilize standards and/or methods that do not discriminate against the disabled.

3. agrees, when applicable, that steel products used or supplied in the performance of the contract or any subcontract thereto shall be manufactured or produced in the United States, as required by the Illinois Steel Products Procurement Act, 30 ILCS 565/1 et seq.

4. shall comply with the Public Works Employment Discrimination Act, 775 ILCS 10/0.01 et seq.

5. shall comply with all local, state and federal safety standards.

6. has and will comply with the Illinois Veterans Preference Act, 330 ILCS 55/0.01 et seq.

ACKNOWLEDGED AND AGREED TO:

By _____
(Authorized Signature and Title)

State of _____

County of _____

Signed and sworn (or affirmed) to before me on _____ (date)

By _____ (name/s of person/s making statement).

_____
(Signature of Notary Public)

(Seal)

Failure to complete and return this form may be considered sufficient reason for rejection of the bid.

EQUAL EMPLOYMENT OPPORTUNITY CLAUSE

Section I: This EQUAL EMPLOYMENT OPPORTUNITY CLAUSE is required by the Illinois Human Rights Act and the Rules and Regulations of the Illinois Department of Human Rights published at 44 Illinois Administrative Code Section 750 *et seq*; also known as Title 44: Government Contracts, Grantmaking, Procurement and Property Management, Subtitle B: Supplemental Procurement Rules, Chapter X: Department of Human Rights, Part 750: Procedures Applicable to all Agencies.

Section II: In the event of the Contractor's non-compliance with the provisions of this Equal Employment Opportunity Clause or the Illinois Human Rights Act, the Contractor may be declared ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and the contract may be cancelled or voided in whole or in part, and other sanctions or penalties may be imposed or remedies invoked as provided by statute or regulation. During the performance of this contract, the Contractor agrees as follows:

1) That he or she will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, marital status, order of protection status, national origin or ancestry, citizenship status, age, physical or mental disability unrelated to ability, military status or an unfavorable discharge from military service; and, further, that he or she will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any underutilization.

2) That, if he or she hires additional employees in order to perform this contract or any portion of this contract, he or she will determine the availability (in accordance with this Part) of minorities and women in the areas from which he or she may reasonably recruit and he or she will hire for each job classification for which employees are hired in a way that minorities and women are not underutilized.

3) That, in all solicitations or advertisements for employees placed by him or her or on his or her behalf, he or she will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, sexual orientation, marital status, order of protection status, national origin or ancestry, citizenship status, age, physical or mental disability unrelated to ability, military status or an unfavorable discharge from military service.

4) That he or she will send to each labor organization or representative of workers with which he or she has or is bound by a collective bargaining or other agreement or understanding, a notice advising the labor organization or representative of the Contractor's obligations under the Act and this Part. If any labor organization or representative fails or refuses to cooperate with the contractor in his or her efforts to comply with the Act and this Part, the contractor will promptly notify the Department and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations under the contract.

5) That he or she will submit reports as required by this Part, furnish all relevant information as may from time to time be requested by the Department or the contracting agency, and in all respects comply with the Act and this Part.

6) That he or she will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and the Department for purposes of investigation to ascertain compliance with the Act and the Department's Rules and Regulations.

7) That he or she will include verbatim or by reference the provisions of this clause in every subcontract awarded under which any portion of the contract obligations are undertaken or assumed, so that the

provisions will be binding upon the subcontractor. In the same manner as with other provisions of this contract, the Contractor will be liable for compliance with applicable provisions of this clause by subcontractors; and further it will promptly notify the contracting agency and the Department in the event any subcontractor fails or refuses to comply with the provisions. In addition, the Contractor will not utilize any subcontractor declared by the Illinois Human Rights Commission to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

Section III: For the purposes of subsection 7 of Section II, "subcontract" means any agreement, arrangement or understanding, written or otherwise, between the Contractor and any person under which any portion of the Contractor's obligations under one or more public contracts is performed, undertaken or assumed; the term "subcontract," however, shall not include any agreement, arrangement or understanding in which the parties stand in the relationship of an employer and an employee, or between a Contractor or other organization and its customers.

ACKNOWLEDGED AND AGREED TO:

By _____
(Authorized Signature and Title)

State of _____

County of _____

Signed and sworn (or affirmed) to before me on _____ (date)

By _____ (name/s of person/s making statement).

_____
(Signature of Notary Public)

(Seal)

Failure to complete and return this form may be considered sufficient reason for rejection of the bid.

DRUG FREE WORKPLACE CERTIFICATION

In compliance with State of Illinois Compiled Statutes, Chapter 30-580 (30 ILCS 580/30), the Contractor certifies and agrees that it will provide a drug free workplace by:

1. Publishing a Statement:
   A. Notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance, including cannabis, is prohibited in the Contractor's workplace.

   B. Specifying the actions that will be taken against employees for violations of such prohibition.

   C. Notifying the employee that, as a condition of employment on such Agreement, the employee will:
      i. Abide by the terms of the statement; and
      ii. Notify the employer of any criminal drug statute conviction for a violation occurring in the workplace no later than five (5) days after such conviction.

2. Establishing a Drug Free Awareness Program to inform employees about:
   A. The dangers of drug abuse in the workplace;
   B. The Contractor's policy for maintaining a drug free workplace;
   C. Available counseling, rehabilitation, or assistance programs; and
   D. Penalties imposed for drug violations.

3. Providing a copy of the Statement required by Section 1 to each employee engaged in the performance of the Agreement and to post the Statement in a prominent place in the workplace.

4. Notifying the contracting agency within ten (10) days after receiving notice under part (C), subsection (ii) of paragraph 1 above, from an employee or otherwise receiving actual notice of such conviction.

5. Imposing a sanction on, or requiring the satisfactory participation in a Drug Abuse Assistance or Rehabilitation Program, by any employee who is so convicted, as required by Section 5 of the Drug Free Workplace Act.

6. Assisting employees in selecting a course of action in the event drug counseling, treatment, and rehabilitation are required and indicating that a trained referral team is in place.

7. Making a good faith effort to continue to maintain a drug free workplace through implementation of the Drug Free Workplace Act.

Failure to abide by this certification shall subject the Contractor to the penalties provided in the "Drug-Free Workplace Act."

The undersigned affirms, under penalties of perjury, that he/she is authorized to execute this certification on behalf of the designated organization.

_____

(Printed name of Contractor)

_____

Address

_____

City State Zip Code

_____

Signature of Authorized Representative

_____

Title Date

ACKNOWLEDGED AND AGREED TO:

By _____
(Authorized Signature and Title)

State of _____

County of _____

Signed and sworn (or affirmed) to before me on _____ (date)

By _____ (name/s of person/s making statement).

_____
(Signature of Notary Public)

(Seal)

Failure to complete and return this form may be considered sufficient reason for rejection of the bid.

Special Provisions for:
Insurance Coverage for Contractual Services

To the extent that these Special Provisions for: Insurance Coverage for Contractual Services conflict with Article 107.27 of the Standard Specifications, these provisions shall control.

The Contractor and each of its agents, subcontractors, and consultants hired to perform the Work, shall purchase and maintain during the term of this contract insurance coverage which will satisfactorily insure the Contractor and where appropriate, the City against claims and liabilities which may arise out of the Work. Such insurance shall be issued by companies authorized to do business in the State of Illinois and approved by the City. The insurance coverages shall include, but not necessarily be limited to, the following:

- **Worker's Compensation Insurance** with limits as required by the applicable statutes of the State of Illinois. The employer's liability coverage under the worker's compensation policy shall have limits not less than FIVE HUNDRED THOUSAND DOLLARS ($500,000) and each accident/injury and FIVE HUNDRED THOUSAND DOLLARS ($500,000) each employee/disease and FIVE HUNDRED THOUSAND DOLLARS ($500,000) policy limit.
  The workers' compensation policy shall provide a waiver of subrogation (aka Waiver of our Right to Recover from Others Endorsement), to the City.

- **Commercial General Liability Insurance** protecting the Contractor against any and all liability claims which may arise in the course of performance of this contract. The limits of liability shall be not less than ONE MILLION DOLLARS ($1,000,000) each occurrence bodily injury/property damage combined single limit and ONE MILLION DOLLARS ($1,000,000) aggregate bodily injury/property damage combined single limit. The policy of commercial liability insurance shall include contractual liability coverage and an endorsement naming the City as an additional insured on a primary and non-contributory basis. Completed Operations coverage shall continue for a period of two years after completion of the project. Explosion, Collapse and Underground liabilities (XCU) coverage shall be included.

- **Commercial Automobile Liability Insurance** covering the Contractor's owned, non-owned, and hired vehicles which protects the Contractor against automobile liability claims whether on or off of the city's premises with coverage limits of not less than ONE MILLION DOLLARS ($1,000,000) per accident bodily injury/property damage combined single limit. The policy of commercial liability insurance shall include contractual liability coverage and an endorsement naming the City as an additional insured on a primary and non-contributory basis.

- **Umbrella or Excess Liability Insurance co**verage of not less than FIVE MILLION ($5,000,000) per occurrence.

Nothing herein set forth shall be construed to create any obligation on the part of the City to indemnify Contractor for any claims of negligence against Contractor or its agents, employees, subcontractors or consultants. Prior to commencement of any work under this Agreement, Contractor shall file with the City the required original certificates of insurance with endorsements, including those of subcontractors, which shall clearly state all of the following:

A. The policy number; name of insurance company; name and address of the agent or authorized representative; name, address, and telephone number of the insured; project name and address; policy expiration date; and specific coverage amounts; and

B. That the City of Wheaton (including its agents, elected officials, officers and employees) is named as an additional insured under all coverage, except Workers' Compensation, and that all such coverage shall be primary and non-contributory for the City, its agents, elected officials, officers, and employees. A waiver of subrogation (aka Waiver of our Right to Recover from Others Endorsement), on all coverages shall be provided; and

C. Should any of the above described policies be cancelled before the expiration date thereof, notice will be delivered in accordance with the policy provisions; and

D. Contractor's insurance is primary with respects to any other valid or collectible insurance City may possess, including any self-insured retention that City may have; and

E. Any deductibles or self-insured retention shall be stated on the certificates of insurance provided to the City; and

In addition to all of the insurance requirements identified above and contained on the certificates of insurance, all policies of insurance coverage under this section shall also be subject to the following requirements.

F. All insurance carriers providing coverage under this Agreement shall be authorized to do business in the State of Illinois and shall be rated at least A:VI in A.M. Best and Companies Insurance Guide or otherwise acceptable to the City.

G. The City of Wheaton shall have the right to reject the insurer/insurance of the contractor or any subcontractor; and

H. Occurrence policies are preferred. The city may accept claims made policies for Professional Liability or Pollution/Environmental Liability on a case by case basis providing the contractor purchases a claims made policy for four (4) years past the contract completion date.

I. The City will consider deductible amounts as part of its review of the financial stability of the bidder; and

J. No acceptance and/or approval of any insurance by the City shall be construed as relieving or excusing the Contractor, or the surety, or its bond, from any liability or obligation imposed upon either or both of them by the provisions of the Contract Documents; and

K. The City may require increases in Contractor's insurance coverage amounts over the course of this Agreement as it deems necessary so long as it reimburses Contractor for the actual increase in Contractor's insurance premiums attributable to the City's requested increase; and

L. Insurance coverage required by this contract shall be in force throughout the Contract Term and upon written request by the City, the Contractor shall, within 7 days, provide to the City acceptable evidence of current insurance. Should the Contractor fail to provide acceptable evidence of current insurance following written request, the City shall have the absolute right to terminate the Contract without any further obligation to the Contractor; and

M. Contractual and other liability insurance provided under this Contract shall not contain a supervision, inspection or engineering services exclusion that would preclude the City from supervising or inspecting the project to the end result. The Contractor shall assume all on-the-job responsibilities as to the control of persons directly employed by it; and

N. All existing structures, utilities, roads, services, trees, shrubbery and landscaping shall be protected against damage or interruption of service at all times by the Contractor and its subcontractors during the term of the Contract.

END OF SPECIAL PROVISIONS FOR INSURANCE COVERAGE FOR CONTRACTUAL SERVICES

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s). A waiver of subrogation is required.

PRODUCER	CONTACT NAME:	
	PHONE (A/C, No, Ext):	FAX (A/C, No):
	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	NAIC #
INSURED	INSURER A :	
	INSURER B :	
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	GENERAL LIABILITY						EACH OCCURRENCE	$ $1,000,000
	[X] COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
	[ ] CLAIMS-MADE [X] OCCUR						MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$ $1,000,000
							GENERAL AGGREGATE	$ $3,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						PRODUCTS - COMP/OP AGG	$ $3,000,000
	[ ] POLICY [X] PRO-JECT [ ] LOC							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$ $1,000,000
	[X] ANY AUTO						BODILY INJURY (Per person)	$
	[ ] ALL OWNED AUTOS [ ] SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	[X] HIRED AUTOS [X] NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
	[X] **UMBRELLA LIAB** [X] OCCUR						EACH OCCURRENCE	$ $5,000,000
	[X] **EXCESS LIAB** [ ] CLAIMS-MADE						AGGREGATE	$ $5,000,000
	[ ] DED [ ] RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N						[X] WC STATU-TORY LIMITS [ ] OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? [ ] **(Mandatory in NH)**	N / A					E.L. EACH ACCIDENT	$ $500,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$ $500,000
							E.L. DISEASE - POLICY LIMIT	$ $500,000
	[ ] Professional Liability and Errors and Omissions:							$5,000,000
	[x] Owners/Contractors Protection							$5,000,000
	[x] XCU Coverage Included with General Liability							
	[x] Pollution/Environmental Liability							

HIGH

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Bid/Project Name or Contract Name and #
Contractor
Contact
Address
Phone #, Email Address, Fax #

-The City of Wheaton is an additional insured on a primary and non-contributory basis on all insurance policies with respect to Liability.
- Endorsements and a Waiver of Subrogation shall be provided for all policies with each updated certificate.
- Contractors: It shall be the responsibility of the contractor to insure that all subcontractors comply with the same insurance requirements.

CERTIFICATE HOLDER

City of Wheaton
303 West Wesley Street
PO Box 727
Wheaton, IL 60187-0727

Attn: Procurement Officer
(fax) 630-260-2017

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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Special Provisions for:
Wages of Employees on Public Works

This Agreement may be subject to the "Prevailing Wage Act," 820 ILCS 130/0.01 *et seq* ("The Act"). It shall be the responsibility of the Contractor to determine whether the Act is applicable and if so to comply with all its terms and conditions. Any Contractor having a question as to whether the Act is applicable shall consult with their own attorney to ascertain applicability. The City shall not have any duty to inform the Contractor of the Acts applicability. If, however the City informs the Contractor that the Act is applicable it shall be the Contractor's obligation to comply with all its terms and conditions unless the Contractor can establish to the satisfaction of the City that the Act is inapplicable. If it is determined that The Act applies to this Agreement, all Contractors and subcontractors subject to its terms shall comply with all of its provisions, including, but not limited to the following:

1. Not less than the prevailing rate of wages as found by the City of Wheaton or Department of Labor or by a court on review shall be paid to all laborers, workers and mechanics performing work under this Agreement. These prevailing rates of wages are included in this Agreement.

2. In all Contractors' bonds the Contractor shall include a provision that will guarantee the faithful performance of the prevailing wage clause provided by this Agreement.

3. If the Department of Labor revises the prevailing rate of hourly wages to be paid by the public body, the revised rate shall apply to the Contractor, and the public body shall be responsible to notify the Contractor and each subcontractor, of the revised rate.

4. The Contractor and each subcontractor shall:

    a. make and keep, for a period of not less than 5 years, records of all laborers, mechanics, and other workers employed by them on the project; the records shall include each worker's name, address, telephone number when available, social security number, classification or classifications, the hourly wages paid in each pay period, the number of hours worked each day, the starting and ending times of work each day, the hourly wage rate, the hourly overtime wage rate, the hourly fringe benefit rates, the name and address of each fringe benefit fund, the plan sponsor or each fringe benefit, if applicable, and the plan administrator of each fringe benefit if applicable; and

    b. submit no later than the 15th day of each calendar month, in person, by mail, or electronically a certified payroll to the City. The certified payroll shall consist of a complete copy of the records identified in paragraph 4(a), above. The certified payroll shall be accompanied by a statement signed by the Contractor or subcontractor which avers that:
        i. such records are true and accurate;
        ii. the hourly rate paid to each worker is not less than the general prevailing rate of hourly wages required by this Act; and
        iii. the Contractor or subcontractor is aware that filing a certified payroll that he or she knows to be false is a Class A misdemeanor.

5. Upon 7 business days' notice, the Contractor and each subcontractor shall make available for inspection the records identified in paragraph 4 to the City of Wheaton, its officers and agents, and to the Director of Labor and his deputies and agents driving reasonable hours at a location within this State during reasonable hours.

This schedule contains the prevailing wage rates required to be paid for work performed on or after Monday, June 5, 2017 on public works projects in this County. Pursuant to 820 ILCS 130/4, public bodies in this County that have active public works projects are responsible for notifying all contractors and subcontractors working on those public works projects of the change (if any) to rates that were previously in effect. The failure of a public body to provide such notice does not relieve contractors or subcontractors of their obligations under the Prevailing Wage Act, including the duty to pay the relevant prevailing wage in effect at the time work subject to the Act is performed.

DUPAGE COUNTY
PREVAILING WAGE
RATES EFFECTIVE JUNE
5, 2017

TradeTitle	Region	Type	Class	Base Wage	Foreman Wage	M-F OT	OSA	OSH	H/W	Pension	Vacation	Training
ASBESTOS ABT-GEN	All	All		40.40	40.95	1.5	1.5	2.0	14.23	11.57	0.00	0.50
ASBESTOS ABT-MEC	All	BLD		37.46	39.96	1.5	1.5	2.0	11.62	11.06	0.00	0.72
BOILERMAKER	All	BLD		47.07	51.30	2.0	2.0	2.0	6.97	18.13	0.00	0.40
BRICK MASON	All	BLD		44.88	49.37	1.5	1.5	2.0	10.25	15.30	0.00	0.85
CARPENTER	All	All		45.35	47.35	1.5	1.5	2.0	11.79	17.60	0.00	0.63
CEMENT MASON	All	All		44.25	46.25	2.0	1.5	2.0	13.65	15.51	0.00	0.65
CERAMIC TILE FNSHER	All	BLD		37.81	37.81	1.5	1.5	2.0	10.55	10.12	0.00	0.65
COMMUNICATION TECH	All	BLD		33.00	35.40	1.5	1.5	2.0	10.10	17.19	2.07	0.61
ELECTRIC PWR EQMT OP	All	All		37.89	51.48	1.5	1.5	2.0	5.00	11.75	0.00	0.38
ELECTRIC PWR EQMT OP	All	HWY		40.59	55.15	1.5	1.5	2.0	5.25	12.59	0.00	0.71
ELECTRIC PWR GRNDMAN	All	All		29.30	51.48	1.5	1.5	2.0	5.00	9.09	0.00	0.29
ELECTRIC PWR GRNDMAN	All	HWY		32.50	55.15	1.5	1.5	2.0	5.25	10.09	0.00	0.58
ELECTRIC PWR LINEMAN	All	All		45.36	51.48	1.5	1.5	2.0	5.00	14.06	0.00	0.45
ELECTRIC PWR LINEMAN	All	HWY		48.59	55.15	1.5	1.5	2.0	5.25	15.07	0.00	0.85

ELECTRIC PWR TRK DRV	All	All		30.34	51.48	1.5	1.5	2.0	5.00	9.40	0.00	0.30
ELECTRIC PWR TRK DRV	All	HWY		31.40	53.29	1.5	1.5	2.0	5.00	9.73	0.00	0.31
ELECTRICIAN	All	BLD		38.74	42.74	1.5	1.5	2.0	12.10	20.81	4.43	0.68
ELEVATOR CONSTRUCTOR	All	BLD		51.94	58.43	2.0	2.0	2.0	14.43	14.96	4.16	0.90
FENCE ERECTOR	NE	All		38.34	40.34	1.5	1.5	2.0	13.15	13.10	0.00	0.40
FENCE ERECTOR	W	ALL		45.06	48.66	2.0	2.0	2.0	10.52	20.76	0.00	0.70
GLAZIER	All	BLD		41.70	43.20	1.5	2.0	2.0	13.94	18.99	0.00	0.94
HT/FROST INSULATOR	All	BLD		48.45	50.95	1.5	1.5	2.0	11.47	12.16	0.00	0.72
IRON WORKER	E	All		46.20	48.20	2.0	2.0	2.0	13.65	21.52	0.00	0.35
IRON WORKER	W	All		45.56	49.20	2.0	2.0	2.0	11.02	21.51	0.00	0.70
LABORER	All	All		40.20	40.95	1.5	1.5	2.0	14.23	11.57	0.00	0.50
LATHER	All	All		44.35	46.35	1.5	1.5	2.0	13.29	16.39	0.00	0.63
MACHINIST	All	BLD		45.35	47.85	1.5	1.5	2.0	7.26	8.95	1.85	0.00
MARBLE FINISHERS	All	All		33.45	33.45	1.5	1.5	2.0	10.25	14.44	0.00	0.46
MARBLE MASON	All	BLD		44.13	48.54	1.5	1.5	2.0	10.25	14.97	0.00	0.59
MATERIAL TESTER I	All	All		30.20	30.20	1.5	1.5	2.0	14.23	11.57	0.00	0.50
MATERIALS TESTER II	All	All		35.20	35.20	1.5	1.5	2.0	14.23	11.57	0.00	0.50
MILLWRIGHT	All	All		45.35	47.35	1.5	1.5	2.0	11.79	17.60	0.00	0.63
OPERATING ENGINEER	All	BLD	1	49.10	34.50	2.0	2.0	2.0	18.05	13.60	1.90	1.30
OPERATING ENGINEER	All	BLD	2	47.80	53.10	2.0	2.0	2.0	18.05	13.60	1.90	1.30
OPERATING ENGINEER	All	BLD	3	45.25	53.10	2.0	2.0	2.0	18.05	13.60	1.90	1.30
OPERATING ENGINEER	All	BLD	4	43.50	53.10	2.0	2.0	2.0	18.05	13.60	1.90	1.30
OPERATING ENGINEER	All	BLD	5	52.85	53.10	2.0	2.0	2.0	18.05	13.60	1.90	1.30
OPERATING ENGINEER	All	BLD	6	50.10	53.10	2.0	2.0	2.0	18.05	13.60	1.90	1.30
OPERATING ENGINEER	All	BLD	7	52.10	53.10	2.0	2.0	2.0	18.05	13.60	1.90	1.30
OPERATING ENGINEER	All	FLT		37.00	54.75	1.5	1.5	2.0	17.65	12.65	1.90	1.35
OPERATING ENGINEER	All	HWY	1	47.30	51.30	1.5	1.5	2.0	18.05	13.60	1.90	1.30
OPERATING ENGINEER	All	HWY	2	46.75	51.30	1.5	1.5	2.0	18.05	13.60	1.90	1.30

OPERATING ENGINEER	All	HWY	3	44.70	51.30	1.5	1.5	2.0	18.05	13.60	1.90	1.30
OPERATING ENGINEER	All	HWY	4	43.30	51.30	1.5	1.5	2.0	18.05	13.60	1.90	1.30
OPERATING ENGINEER	All	HWY	5	42.10	51.30	1.5	1.5	2.0	18.05	13.60	1.90	1.30
OPERATING ENGINEER	All	HWY	6	50.30	51.30	1.5	1.5	2.0	18.05	13.60	1.90	1.30
OPERATING ENGINEER	All	HWY	7	48.30	51.30	1.5	1.5	2.0	18.05	13.60	1.90	1.30
ORNAMNTL IRON WORKER	E	All		45.00	47.50	2.0	2.0	2.0	13.55	17.94	0.00	0.65
ORNAMNTL IRON WORKER	W	All		45.06	48.66	2.0	2.0	2.0	10.52	20.76	0.00	0.70
PAINTER	All	All		42.93	44.93	1.5	1.5	1.5	10.30	8.20	0.00	1.35
PAINTER SIGNS	All	BLD		33.92	38.09	1.5	1.5	1.5	2.60	2.71	0.00	0.00
PILEDRIVER	All	All		44.35	46.35	1.5	1.5	2.0	13.29	16.39	0.00	0.63
PIPEFITTER	All	BLD		47.50	50.50	1.5	1.5	2.0	9.55	17.85	0.00	2.07
PLASTERER	All	BLD		44.63	47.31	1.5	1.5	2.0	10.25	15.03	0.00	0.85
PLUMBER	All	BLD		48.25	50.25	1.5	1.5	2.0	14.09	12.65	0.00	1.18
ROOFER	All	BLD		41.70	44.70	1.5	1.5	2.0	8.28	11.59	0.00	0.53
SHEETMETAL WORKER	All	BLD		45.77	47.77	1.5	1.5	2.0	10.65	14.10	0.00	0.82
SPRINKLER FITTER	All	BLD		47.20	49.20	1.5	1.5	2.0	12.25	11.55	0.00	0.55
STEEL ERECTOR	E	All		42.07	44.07	2.0	2.0	2.0	13.45	19.59	0.00	0.35
STEEL ERECTOR	W	All		45.06	48.66	2.0	2.0	2.0	10.52	20.76	0.00	0.70
STONE MASON	All	BLD		44.88	49.37	1.5	1.5	2.0	10.25	15.30	0.00	0.85
TERRAZZO FINISHER	All	BLD		39.54	39.54	1.5	1.5	2.0	10.55	11.79	0.00	0.67
TERRAZZO MASON	All	BLD		43.38	43.38	1.5	1.5	2.0	10.55	13.13	0.00	0.79
TILE MASON	All	BLD		43.84	47.84	1.5	1.5	2.0	10.55	11.40	0.00	0.99
TRAFFIC SAFETY WRKR	All	HWY		33.50	35.10	1.5	1.5	2.0	8.10	7.62	0.00	0.25
TRUCK DRIVER	All	All	1	36.30	36.85	1.5	1.5	2.0	8.10	9.76	0.00	0.15
TRUCK DRIVER	All	All	2	36.45	36.85	1.5	1.5	2.0	8.10	9.76	0.00	0.15
TRUCK DRIVER	All	All	3	36.65	36.85	1.5	1.5	2.0	8.10	9.76	0.00	0.15
TRUCK DRIVER	All	All	4	36.85	36.85	1.5	1.5	2.0	8.10	9.76	0.00	0.15
TUCKPOINTER	All	BLD		43.62	44.62	1.5	1.5	2.0	10.25	14.11	0.00	0.48

Explanations

DUPAGE COUNTY

IRON WORKERS AND FENCE ERECTOR (WEST) - West of Route 53.

The following list is considered as those days for which holiday rates of wages for work performed apply: New Years Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Christmas Day and Veterans Day in some classifications/counties. Generally, any of these holidays which fall on a Sunday is celebrated on the following Monday. This then makes work performed on that Monday payable at the appropriate overtime rate for holiday pay. Common practice in a given local may alter certain days of celebration. If in doubt, please check with IDOL.

EXPLANATION OF CLASSES

ASBESTOS - GENERAL - removal of asbestos material/mold and hazardous materials from any place in a building, including mechanical systems where those mechanical systems are to be removed. This includes the removal of asbestos materials/mold and hazardous materials from

ductwork or pipes in a building when the building is to be demolished at the time or at some close future date.

ASBESTOS - MECHANICAL - removal of asbestos material from mechanical systems, such as pipes, ducts, and boilers, where the mechanical systems are to remain.

TRAFFIC SAFETY - work associated with barricades, horses and drums used to reduce lane usage on highway work, the installation and removal of temporary lane markings, and the installation and removal of temporary road signs.

CERAMIC TILE FINISHER

The grouting, cleaning, and polishing of all classes of tile, whether for interior or exterior purposes, all burned, glazed or unglazed products; all composition materials, granite tiles, warning detectable tiles, cement tiles, epoxy composite materials, pavers, glass, mosaics, fiberglass, and all substitute materials, for tile made in tile-like units; all mixtures in tile like form of cement, metals, and other materials that are for and intended for use as a finished floor

surface, stair treads, promenade roofs, walks, walls, ceilings, swimming pools, and all other places where tile is to form a finished interior or exterior. The mixing of all setting mortars including but not limited to thin-set mortars, epoxies, wall mud, and any other sand and cement mixtures or adhesives when used in the preparation, installation, repair, or maintenance of tile and/or similar materials. The handling and unloading of all sand, cement, lime, tile, fixtures, equipment, adhesives, or any other materials to be used in the preparation, installation, repair, or maintenance of tile and/or similar materials. Ceramic Tile Finishers shall fill all joints and voids regardless of method on all tile work, particularly and especially after installation of said tile work. Application of any and all protective coverings to all types of tile installations including, but not be limited to, all soap compounds, paper products, tapes, and all polyethylene coverings, plywood, masonite, cardboard, and any new type of products that may be used to protect tile installations, Blastrac equipment, and all floor scarifying equipment used in preparing floors to receive tile. The clean up and removal of all waste and materials. All demolition of existing tile floors and walls to be re-tiled.

COMMUNICATIONS TECHNICIAN

Low voltage installation, maintenance and removal of telecommunication facilities (voice, sound, data and video) including telephone and data inside wire, interconnect, terminal equipment, central offices, PABX, fiber optic cable and equipment, micro waves, V-SAT, bypass, CATV, WAN (wide area networks), LAN (local area networks), and ISDN (integrated system digital network), pulling of wire in raceways, but not the installation of raceways.

MARBLE FINISHER

Loading and unloading trucks, distribution of all materials (all stone, sand, etc.), stocking of floors with material, performing all rigging for heavy work, the handling of all material that may be needed for the installation of such materials, building of scaffolding, polishing if needed, patching, waxing of material if damaged, pointing up, caulking, grouting and cleaning of marble, holding water on diamond or Carborundum blade or saw for setters cutting, use of tub saw or any other saw needed for preparation of material, drilling of holes for wires that anchor material set by

setters, mixing up of molding plaster for installation of material, mixing up thin set for the installation of material, mixing up of sand to cement for the installation of material and such other work as may be required in helping a Marble Setter in the handling of all material in the erection or installation of interior marble, slate, travertine, art marble, serpentine, alberene stone, blue stone, granite and other stones (meaning as to stone any foreign or domestic materials as are specified and used in building interiors and exteriors and customarily known as stone in the trade), carrara, sanionyx, vitrolite and similar opaque glass and the laying of all marble tile, terrazzo tile, slate tile and precast tile, steps, risers treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and which are used on interior and exterior which are installed in a similar manner.

MATERIAL TESTER I: Hand coring and drilling for testing of materials; field inspection of uncured concrete and asphalt.

MATERIAL TESTER II: Field inspection of welds, structural steel, fireproofing, masonry, soil, facade, reinforcing steel, formwork, cured concrete, and concrete and asphalt batch plants; adjusting

proportions of bituminous mixtures.

OPERATING ENGINEER - BUILDING

Class 1. Asphalt Plant; Asphalt Spreader; Autograde; Backhoes with Caisson Attachment; Batch Plant; Benoto (requires Two Engineers); Boiler and Throttle Valve; Caisson Rigs; Central Redi-Mix Plant; Combination Back Hoe Front End-loader Machine; Compressor and Throttle Valve; Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Conveyor (Truck Mounted); Concrete Paver Over 27E cu. ft; Concrete Paver 27E cu. ft. and Under: Concrete Placer; Concrete Placing Boom; Concrete Pump (Truck Mounted); Concrete Tower; Cranes, All; Cranes, Hammerhead; Cranes, (GCI and similar Type); Creter Crane; Spider Crane; Crusher, Stone, etc.; Derricks, All; Derricks, Traveling; Formless Curb and Gutter Machine; Grader, Elevating; Grouting Machines; Heavy Duty Self-Propelled Transporter or Prime Mover; Highlift Shovels or Front Endloader 2-1/4 yd. and over; Hoists, Elevators, outside type rack and pinion and similar machines; Hoists, One, Two and Three Drum; Hoists, Two Tugger One Floor; Hydraulic Backhoes; Hydraulic Boom Trucks; Hydro Vac (and similar equipment); Locomotives, All; Motor Patrol; Lubrication Technician; Manipulators;

Pile Drivers and Skid Rig; Post Hole Digger; Pre-Stress Machine; Pump Cretes Dual Ram; Pump Cretes: Squeeze Cretes-Screw Type Pumps; Gypsum Bulker and Pump; Raised and Blind Hole Drill; Roto Mill Grinder; Scoops - Tractor Drawn; Slip-Form Paver; Straddle Buggies; Operation of Tie Back Machine; Tournapull; Tractor with Boom and Side Boom; Trenching Machines.

Class 2. Boilers; Broom, All Power Propelled; Bulldozers; Concrete Mixer (Two Bag and Over); Conveyor, Portable; Forklift Trucks; Highlift Shovels or Front Endloaders under 2-1/4 yd.; Hoists, Automatic; Hoists, Inside Elevators; Hoists, Sewer Dragging Machine; Hoists, Tugger Single Drum; Laser Screed; Rock Drill (Self-Propelled); Rock Drill (Truck Mounted); Rollers, All; Steam Generators; Tractors, All; Tractor Drawn Vibratory Roller; Winch Trucks with "A" Frame.

Class 3. Air Compressor; Combination Small Equipment Operator; Generators; Heaters, Mechanical; Hoists, Inside Elevators (remodeling or renovation work); Hydraulic Power Units (Pile Driving, Extracting, and Drilling); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Low Boys; Pumps, Well Points; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 4. Bobcats and/or other Skid Steer Loaders; Oilers; and Brick Forklift.

Class 5. Assistant Craft Foreman.

Class 6. Gradall.

Class 7. Mechanics; Welders.

OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

Class 1. Asphalt Plant; Asphalt Heater and Planer Combination; Asphalt Heater Scarfire; Asphalt Spreader; Autograder/GOMACO or other similar type machines: ABG Paver; Backhoes with Caisson Attachment; Ballast Regulator; Belt Loader; Caisson Rigs; Car Dumper; Central Redi-Mix Plant; Combination Backhoe Front Endloader Machine, (1 cu. yd. Backhoe Bucket or over or with attachments); Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Paver over 27E cu. ft.; Concrete Placer; Concrete Tube Float; Cranes, all attachments; Cranes, Tower

Cranes of all types: Creter Crane: Spider Crane; Crusher, Stone, etc.; Derricks, All; Derrick Boats; Derricks, Traveling; Dredges; Elevators, Outside type Rack & Pinion and Similar Machines; Formless Curb and Gutter Machine; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver Truck Mounted; Hoists, One, Two and Three Drum; Heavy Duty Self-Propelled Transporter or Prime Mover; Hydraulic Backhoes; Backhoes with shear attachments up to 40' of boom reach; Lubrication Technician; Manipulators; Mucking Machine; Pile Drivers and Skid Rig; Pre-Stress Machine; Pump Cretes Dual Ram; Rock Drill - Crawler or Skid Rig; Rock Drill - Truck Mounted; Rock/Track Tamper; Roto Mill Grinder; Slip-Form Paver; Snow Melters; Soil Test Drill Rig (Truck Mounted); Straddle Buggies; Hydraulic Telescoping Form (Tunnel); Operation of Tieback Machine; Tractor Drawn Belt Loader; Tractor Drawn Belt Loader (with attached pusher - two engineers); Tractor with Boom; Tractaire with Attachments; Traffic Barrier Transfer Machine; Trenching; Truck Mounted Concrete Pump with Boom; Raised or Blind Hole Drills (Tunnel Shaft); Underground Boring and/or Mining Machines 5 ft. in diameter and over tunnel, etc; Underground Boring and/or Mining Machines under 5 ft. in diameter; Wheel Excavator; Widener (APSCO).

Class 2. Batch Plant; Bituminous Mixer; Boiler and Throttle Valve; Bulldozers; Car Loader Trailing Conveyors; Combination Backhoe Front Endloader Machine (Less than 1 cu. yd. Backhoe Bucket or over or with attachments); Compressor and Throttle Valve; Compressor, Common Receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 7S Series to and including 27 cu. ft.; Concrete Spreader; Concrete Curing Machine, Burlap Machine, Belting Machine and Sealing Machine; Concrete Wheel Saw; Conveyor Muck Cars (Haglund or Similar Type); Drills, All; Finishing Machine - Concrete; Highlift Shovels or Front Endloader; Hoist - Sewer Dragging Machine; Hydraulic Boom Trucks (All Attachments); Hydro-Blaster; Hydro Excavating (excluding hose work); Laser Screed; All Locomotives, Dinky; Off-Road Hauling Units (including articulating) Non Self-Loading Ejection Dump; Pump Cretes: Squeeze Cretes - Screw Type Pumps, Gypsum Bulker and Pump; Roller, Asphalt; Rotary Snow Plows; Rototiller, Seaman, etc., self-propelled; Self-Propelled Compactor; Spreader - Chip - Stone, etc.; Scraper - Single/Twin Engine/Push and Pull; Scraper - Prime Mover in Tandem (Regardless of Size); Tractors pulling attachments, Sheeps Foot, Disc, Compactor, etc.; Tug Boats.

Class 3. Boilers; Brooms, All Power Propelled; Cement Supply Tender;

Compressor, Common Receiver (2); Concrete Mixer (Two Bag and Over); Conveyor, Portable; Farm-Type Tractors Used for Mowing, Seeding, etc.; Forklift Trucks; Grouting Machine; Hoists, Automatic; Hoists, All Elevators; Hoists, Tugger Single Drum; Jeep Diggers; Low Boys; Pipe Jacking Machines; Post-Hole Digger; Power Saw, Concrete Power Driven; Pug Mills; Rollers, other than Asphalt; Seed and Straw Blower; Steam Generators; Stump Machine; Winch Trucks with "A" Frame; Work Boats; Tamper-Form-Motor Driven.

Class 4. Air Compressor; Combination - Small Equipment Operator; Directional Boring Machine; Generators; Heaters, Mechanical; Hydraulic Power Unit (Pile Driving, Extracting, or Drilling); Light Plants, All (1 through 5); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Pumps, Well Points; Vacuum Trucks (excluding hose work); Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 5. SkidSteer Loader (all); Brick Forklifts; Oilers.

Class 6. Field Mechanics and Field Welders

Class 7. Dowell Machine with Air Compressor; Gradall and machines of

like nature.

OPERATING ENGINEER - FLOATING

Diver. Diver Wet Tender, Diver Tender, ROV Pilot, ROV Tender

SURVEY WORKER - Operated survey equipment including data collectors, G.P.S. and robotic instruments, as well as conventional levels and transits.

TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION

Class 1. Two or three Axle Trucks. A-frame Truck when used for transportation purposes; Air Compressors and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry-alls; Fork Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors 2-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Power Mower Tractors; Self-propelled Chip Spreader; Skipman; Slurry Trucks, 2-man operation; Slurry Truck Conveyor Operation, 2 or 3 man; Teamsters;

Unskilled Dumpman; and Truck Drivers hauling warning lights, barricades, and portable toilets on the job site.

Class 2. Four axle trucks; Dump Crets and Adgetors under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yeards; Ready-mix Plant Hopper Operator, and Winch Trucks, 2 Axles.

Class 3. Five axle trucks; Dump Crets and Adgetors 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnatrailers or turnapulls when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, 1-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry trucks, 1-man operation; Winch trucks, 3 axles or more; Mechanic--Truck Welder and Truck Painter.

Class 4. Six axle trucks; Dual-purpose vehicles, such as mounted crane trucks with hoist and accessories; Foreman; Master Mechanic;

Self-loading equipment like P.B. and trucks with scoops on the front.

TERRAZZO FINISHER

The handling of sand, cement, marble chips, and all other materials that may be used by the Mosaic Terrazzo Mechanic, and the mixing, grinding, grouting, cleaning and sealing of all Marble, Mosaic, and Terrazzo work, floors, base, stairs, and wainscoting by hand or machine, and in addition, assisting and aiding Marble, Masonic, and Terrazzo Mechanics.

Other Classifications of Work:

For definitions of classifications not otherwise set out, the Department generally has on file such definitions which are available. If a task to be performed is not subject to one of the classifications of pay set out, the Department will upon being contacted state which neighboring county has such a classification and

provide such rate, such rate being deemed to exist by reference in this document. If no neighboring county rate applies to the task, the Department shall undertake a special determination, such special determination being then deemed to have existed under this determination. If a project requires these, or any classification not listed, please contact IDOL at 217-782-1710 for wage rates or clarifications.

LANDSCAPING

Landscaping work falls under the existing classifications for laborer, operating engineer and truck driver. The work performed by landscape plantsman and landscape laborer is covered by the existing classification of laborer. The work performed by landscape operators (regardless of equipment used or its size) is covered by the classifications of operating engineer. The work performed by landscape truck drivers (regardless of size of truck driven) is covered by the classifications of truck driver.

MATERIAL TESTER & MATERIAL TESTER/INSPECTOR I AND II

Notwithstanding the difference in the classification title, the classification entitled "Material Tester I" involves the same job duties as the classification entitled "Material Tester/Inspector I". Likewise, the classification entitled "Material Tester II" involves the same job duties as the classification entitled "Material Tester/Inspector II".

Agreement #: _____
Agreement Addendum #: ___
For Office Use Only

Agreement Between the City of Wheaton, Il
and _____

FRONT STREET UNDERGROUND UTILITY UPGRADES

CHANGE ORDER #_____

Change Order required due to:
☐Changed/Unforeseen Condition
☐Change in Scope
☐Errors and Omissions
☐Other: _____

Type of Change Order:
☐Fixed Cost of $_____
☐Time & Materials, not to exceed: $_____
☐Emergency Change, not to exceed $_____
☐Extension of Completion Date

Attached is: ☐Contractor's Proposal ☐Description of Change

Cost and Schedule Control Summary

If this section is left blank, Change Order will not result in additional charges:

Original Agreement Amount	$_____
Previous COs Adds/Deducts	$_____
This CO Add/Deduct	$_____
Revised Agreement Amount	$_____

If this section is left blank, Change Order will not result in additional time to complete the project:

Original Agreement Duration	_____days
Previous COs Add/Deduct	_____days
This CO Add/Deduct	_____days
Revised Agreement Duration	_____days
Revised Agreement Completion Date	_____

The compensation (time and cost set forth in this Change Order comprises the total compensation due the Contractor, all subcontractors, and all suppliers, for the work or change defined in this Change Order, including impact on the unchanged work. By signing the Change Order, the Contractor acknowledges and agrees on behalf of himself, all subcontractors, and all suppliers, that the stipulated compensation includes payment for all work contained in the Change Order, plus all payment interruptions of schedules, extended field overhead costs, delay, and all impact, ripple effect or cumulative impact on all other work under this Agreement. The signing of the Change Order indicates that the Change Order constitutes full mutual accord and satisfaction of subcontractors, and all suppliers, as a result of the change. The Contractor on behalf of himself, all subcontractors and all suppliers, agrees to waive all rights, without exception or reservation of any whatsoever to file any further claim related to the Change Order. No further claim or request for equitable adjustment of any type shall rise out of or as a result of this Change Order or the impact of this Change Order on the remainder of the work under this Agreement.

All terms and Conditions of the original Agreement apply to this Change Order and remain the same and in full force and effect.

For Budget Purposes

Project Manager: _____ Date: _____ Department Head: _____ Date: _____

Contractor: _____ Date: _____

Upon approval, forward this document to Procurement for Amendment of Agreement.