INVITATION TO BID

Requesting:	Bid(s) For Woolley Road and Plainfield Road Watermain Extension
Issue Date:	March 16, 2023
Pre-Bid Meeting:	N/A
Pre-Bid Meeting Location:	N/A
Last Date for Questions:	March 29, 2023, at 9:00 AM local time
Addendum Posted:	March 31, 2023, at 12:00 PM
Proposals Due:	April 6, 2023, at 10:00 AM local time
Location:	Village of Oswego 100 Parkers Mill Oswego, IL 60543
Note:	Illinois Prevailing Wage Act (820 ILCS 130/1-12) does apply

All questions concerning this solicitation shall be submitted via e-mail to cburns@oswegoil.org before the date stated above. A written response in the form of a public addendum will be published on the Village's website by the said date above.

Contact with anyone other than the cburns@oswegoil.org for matters relative to this solicitation during the solicitation process is prohibited.

Contact for this proposal:
Christina Burns, Deputy Village Administrator in writing at cburns@oswegoil.org

TABLE OF CONTENTS

LEGAL NOTICE

INVITATION TO BID CONCRETE SERVICES

The Village of Oswego will be accepting sealed bids for Woolley Road and Plainfield Road Watermain Connection throughout the Village at the address listed below until **Wednesday, April 6, 2023, at 10:00 a.m.** Bids will be publicly opened and read aloud at date and time listed at the location stated below. Bids not physically received by the date and time listed above will be returned, unopened to the firm. Emailed or faxed bids will not be accepted. All bids should be addressed to:

Village of Oswego
Re: (vendor name)
Invitation to Bid – Woolley Road and Plainfield Road Watermain Extension
Attention:
100 Parkers Mill
Oswego, IL 60543

Bid packets are available online at http://www.oswegoil.org. The link can be found under the Business & Development Tab-Bids & RFPs. Additional packets may be picked up at Oswego Village Hall, 100 Parkers Mill, Oswego, Illinois, 60543. Please contact the Deputy Village Administrator to schedule a time to pick up the packet.

Bidders are advised of the following requirements of this contract: 1. Applicability of Illinois Prevailing Wage Act, 2. 10% bid security with the bid submittal, 3. performance bond on the award of contract, and 4. labor and material payment bond on award of contract.

Any questions regarding this legal notice or specifications shall be directed to Christina Burns Deputy Village Administrator in writing at cburns@oswegoil.org

The bidder shall at all times observe and conform to all laws, ordinances, and regulations of the Federal, State, and Village which may in any manner affect the preparation of bids or the performance of the contract.

Christina Burns
Deputy Village Administrator

Illinois Department of Transportation

Check Sheet for Recurring Special Provisions

Local Public Agency	County	Section Number
Village of Oswego	Kendall	

☐ **Check this box for lettings prior to 01/01/2023.**

The Following Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

Recurring Special Provisions

Check Sheet #			Page No.
1	☐	Additional State Requirements for Federal-Aid Construction Contracts	53
2	☐	Subletting of Contracts (Federal-Aid Contracts)	56
3	☐	EEO	57
4	☐	Specific EEO Responsibilities Non Federal-Aid Contracts	67
5	☐	Required Provisions - State Contracts	72
6	☐	Asbestos Bearing Pad Removal	78
7	☐	Asbestos Waterproofing Membrane and Asbestos HMA Surface Removal	79
8	☐	Temporary Stream Crossings and In-Stream Work Pads	80
9	☒	Construction Layout Stakes	81
10	☐	Use of Geotextile Fabric for Railroad Crossing	84
11	☐	Subsealing of Concrete Pavements	86
12	☐	Hot-Mix Asphalt Surface Correction	90
13	☐	Pavement and Shoulder Resurfacing	92
14	☐	Patching with Hot-Mix Asphalt Overlay Removal	93
15	☐	Polymer Concrete	95
16	☐	Reserved	97
17	☐	Bicycle Racks	98
18	☐	Temporary Portable Bridge Traffic Signals	100
19	☐	Nighttime Inspection of Roadway Lighting	102
20	☐	English Substitution of Metric Bolts	103
21	☐	Calcium Chloride Accelerator for Portland Cement Concrete	104
22	☐	Quality Control of Concrete Mixtures at the Plant	105
23	☐	Quality Control/Quality Assurance of Concrete Mixtures	113
24	☐	Reserved	129
25	☐	Reserved	130
26	☐	Temporary Raised Pavement Markers	131
27	☐	Restoring Bridge Approach Pavements Using High-Density Foam	132
28	☐	Portland Cement Concrete Inlay or Overlay	135
29	☐	Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching	139
30	☐	Longitudinal Joint and Crack Patching	142
31	☐	Concrete Mix Design - Department Provided	144
32	☐	Station Numbers in Pavements or Overlays	145

Local Public Agency	County	Section Number
Village of Oswego	Kendall	

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

Check Sheet #			Page No.
LRS 1		**Reserved**	147
LRS 2	☐	Furnished Excavation	148
LRS 3	☒	Work Zone Traffic Control Surveillance	149
LRS 4	☒	Flaggers in Work Zones	150
LRS 5	☐	Contract Claims	151
LRS 6	☒	Bidding Requirements and Conditions for Contract Proposals	152
LRS 7	☐	Bidding Requirements and Conditions for Material Proposals	158
LRS 8		**Reserved**	164
LRS 9	☐	Bituminous Surface Treatments	165
LRS 10		**Reserved**	169
LRS 11	☒	Employment Practices	170
LRS 12	☒	Wages of Employees on Public Works	172
LRS 13	☒	Selection of Labor	174
LRS 14	☐	Paving Brick and Concrete Paver Pavements and Sidewalks	175
LRS 15	☐	Partial Payments	178
LRS 16	☐	Protests on Local Lettings	179
LRS 17	☐	Substance Abuse Prevention Program	180
LRS 18	☐	Multigrade Cold Mix Asphalt	181
LRS 19	☐	Reflective Crack Control Treatment	182

SPECIAL PROVISIONS

The following Special Provisions supplement the Standard Specifications: All items of this project shall be governed by specifications included in the documents listed:

- "Standard Specifications for Road and Bridge Construction" prepared by the Department of Transportation of the State of Illinois and adopted by said department (latest edition) and hereinafter referred to as the "Standard Specifications".
- "Supplemental Specifications and Recurring Special Provisions" adopted by the Illinois Department of Transportation (latest edition).
- "Standards and Specifications for Soil Erosion and Sediment Control" by IEPA Illinois Urban Manual - a technical manual designed for Urban Ecosystem Protection and Enhancement, (latest edition).
- "Standard Specifications for Water and Sewer Main Construction in Illinois" (latest edition).
- "Illinois Manual on Uniform Traffic Control Devices for Streets & Highways". (latest edition).
- "Fox Metro Water Reclamation District Standard Specifications" (latest edition)
- In the event of a conflict between these various standards, the Village of Oswego Subdivision and Development Control Regulations standards shall apply. (latest edition).

LOCATION OF PROJECT

This project is located at the intersection of Plainfield Road and Woolley Road in the Village of Oswego, Kendall County, Illinois.

DESCRIPTION OF PROJECT

The installation of 324' of 12' watermain from Wooley Road heading northeast on the east side of Plainfield Road and connecting to the existing watermain on the west side of Plainfield Road. Trenchless installation of 87' of 24" casing pipe under Plainfield Road for connection to west side of Plainfield Road.

SPECIAL CONDITIONS

1.1. The Contractor shall guarantee all materials and workmanship for a period of not less than one (1) year from the date of final acceptance by the Village.

1.2. Reference to Standard Specifications: All items of this project shall be governed by specifications included in the documents listed below:

1.2.1. "Standard Specifications for Road and Bridge Construction" prepared by the Department of Transportation of the State of Illinois and adopted by said department (latest edition) and hereinafter referred to as the "Standard Specifications".

1.2.2. "Supplemental Specifications and Recurring Special Provisions" adopted by the Illinois Department of Transportation (latest edition).

1.2.3. "Standards and Specifications for Soil Erosion and Sediment Control" by IEPA Illinois Urban Manual - a technical manual designed for Urban Ecosystem Protection and Enhancement, (latest edition).

1.2.4. "Standard Specifications for Water and Sewer Main Construction in Illinois" (latest edition).

1.2.5. "Illinois Manual on Uniform Traffic Control Devices for Streets & Highways". (latest edition).

1.2.6. "Fox Metro Water Reclamation District Standard Specifications" (latest edition)

1.2.7. In the event of a conflict between these various standards, the Village of Oswego Subdivision and Development Control Regulations standards shall apply. (latest edition).

1.3. Water Use: A contractor shall not use any fire hydrants within the Village limits. Water can be obtained by contacting the Village Public Works Department, 100 Theodore Drive, Oswego, IL (630-554-3242).

1.4. Traffic Control and Protection: No work shall commence until traffic control devices provided by the Contractor comply with Section 700 of the IDOT Standard Specifications for Road and Bridge Construction, current edition. The Contractor shall at all times conduct the work in such a manner as to minimize obstruction to vehicular and pedestrian traffic. Whenever possible, the Contractor shall provide and maintain at his own expense such temporary roads and approaches as may be necessary to provide access to driveways, houses, buildings or other property abutting the improvements. In no case will the Contractor obstruct entranceways into private property without first seeking Village and private property owner's approval.

1.5. Punchlist: The Village will prepare punch-lists of items that require correction prior to acceptance. Under extenuating circumstances, the Village may direct that certain items of work not affecting the safe opening of the roadways and sidewalks may be completed within 5 guaranteed working days allowed for clean-up and punch-list items. If all work is not accepted within that time, the Contractor will be subject to the Special Provision for Failure to Complete the Work on Time.

1.6. Utility Location: The Contractor must exercise extreme caution, make all necessary arrangements, and provide all services to protect existing utility lines adjacent to the work area. The Contractor shall notify J.U.L.I.E. (800-892-0123) for utility locates prior to commencing any work. He shall assume all responsibility for coordinating work with the utilities involved.

1.7. Permits and Bonds: The Contractor prior to the start of construction shall obtain necessary State, or County permits, as required to perform the work outlined under this contract. It shall be the Contractor's responsibility to conduct his operations in such a manner so as to comply

with all provisions and conditions of the permits. The Contractor shall also provide all necessary bonds and certificates of insurance for work on or adjacent to any State, County, Village highway or for work within their respective right-of-way. The cost of providing bonds and insurance and complying with the provisions and conditions of the permits shall be considered as included in the contract.

OTHER PERTINENT INFORMATION

N/A at this time for the project

PRE-EXISTING CONDITIONS

The contractor shall provide a record of pre-existing conditions of the site utilizing video tape or still pictures as required by the Village and Engineer.

EXISTING UTILITIES

The Contractor shall familiarize himself or herself with the locations of all utilities and structures that may be found in the vicinity of the construction. The Contractor shall conduct his operations to avoid damage to all public or private utilities and structures. Should any damage occur due to the Contractor's negligence, repairs shall be made by the Contractor at his expense in a manner acceptable to the Village. The Contractor shall notify all utility owners of his construction schedule and shall coordinate construction operations with the utility owners so that relocation of utility lines and structures may proceed in an orderly manner. The notification shall be in writing, with copies transmitted to the Village.

COOPERATION WITH ADJACENT CONTRACTS

The intent of this provision is to inform the Contractor that adjacent contracts are scheduled during the same time period as this contract. The Contractor is required to cooperate with these adjacent contracts in accordance with Section 105.08 of the Standard Specifications and may be required to modify his staging operations in order to meet these requirements. No additional compensation will be made for delay or anticipated profits as a result of this coordination.

The following contracts are anticipated to be under construction at the same time as this project:

- No additional projects have been identified at the time of drafting the bid documents.

CLEAN CONSTRUCTION DEMOLITION DEBRIS (CCDD)

In addition to the requirements of Section 107.01 of the Standard Specifications, the Contractor shall be solely responsible for the complete removal of excavated material as well as full legal and proper disposal off-site. The Contractor shall adhere to all requirements set forth by the IEPA and Public Act 96-1416 for Clean Construction and Demolition Debris which shall include, but not be limited to, field and laboratory analyses, certification of material from a licensed Professional Engineer, dumping fees, and associated documentation.

Preliminary testing of the existing material has not been performed by the Village. It is unknown if the material removed will be suitable for disposal at a CCDD facility. If the Contractor elects to attempt to dispose of the material at a CCDD facility, the requirements of this special provision shall apply.

The cost of all excavation, testing, hauling, and disposal of materials removed shall be as INCLUDED in the cost of the unit pay item being removed or installed. No additional compensation will be provided.

When test results indicate that the excavated materials exceed the Residential Tier 1 Soil and/or Class One Groundwater Remediation Objectives (SRO & GRO) presented in 35 Illinois Administrative Code 742 (IAC), all additional costs for transporting and disposing the material shall be paid for in accordance with Article 109.04 of the Standard Specifications.

PERMIT REQUIREMENTS AND RESTRICTIONS

Permits are required from the following agencies:

- Illinois Environmental Protection Agency (IEPA) – Division of Public Water Supplies
    - Application for Construction Permit
    - Submittal to the Agency has been completed on March 13, 2023

- Village of Oswego – Public Works Department
    - Village Approval
    - Executed Contract Documents and Notice to Proceed

On behalf of the Village, HR Green, Inc. has prepared the plans and started the application process to these agencies for the required permits; however, those permits not included in the bid documents have not been received as of the date of these documents. No work that is covered by these permits shall begin until the required permits have been received. The Contractor shall be required to coordinate the requested permits by the permitting agencies.

The Village reserves the right to not issue the Notice to Proceed until all permits have been received. There shall be no damages or additional compensation due to the Contractor for delays due to delay in obtaining the permits, and the Contractor's sole remedy, where applicable and approved by the Village, shall be an extension of time.

STREET CLOSURES

The Contractor will not be allowed to close any roadway travel lanes at any time and for the entire duration of the project. No additional compensation will be allowed to the Contractor due to this roadway restriction or scope of work.

DUST CONTROL

The CONTRACTOR shall be responsible for controlling the dust and air-borne dirt generated by construction activities per Section 107 of the Standard Specifications. The cost of all materials

required and labor necessary to comply with the above provisions will not be paid for separately but shall be considered as included in the unit bid prices of the contract, and no additional compensation will be allowed.

SWEEPING/CLEANING OF THE CONSTRUCTION SITE

The Contractor shall be responsible for sweeping/cleaning streets of any debris and material that has accumulated as a result of daily construction activities in accordance with Section 107.15 of the Standard Specifications. This work shall also include cleaning the streets of any tracking discharged from vehicles exiting the work area. The cost of all materials required and labor necessary to comply with the above provisions will not be paid for separately but shall be considered as included in the unit bid prices of the contract, and no additional compensation will be allowed.

PROTECTION OF EXISTING DRAINAGE FACILITIES DURING CONSTRUCTION

Unless otherwise noted on the plans, the existing drainage facilities shall remain in use during the period of construction. Locations of existing drainage structures and sewers as shown on the plans are approximate. Prior to commencing work, the Contractor, at his own expense, shall determine the exact locations of existing structures which are within the proposed construction limit.

All existing drainage structures are to be kept free of any debris resulting from the Contractor's construction operations. Any debris in the drainage structures resulting from construction operations shall be removed at the Contractor's own expense, and no extra compensation will be allowed. Should reconstruction or adjustment of a drainage structure be required by the Village in the field, the necessary work and payment shall be in accordance with the pay items and special provisions included in this contract.

The Contractor shall take the necessary precautions when working near or above existing sewers in order to protect these pipes during construction from any damage resulting from his operations. All work and material necessary to replace existing sewers damaged because of noncompliance with this provision shall be as directed by the Village in accordance with Section 550 of the Standard Specifications and at the Contractor’s own expense, and no additional compensation will be allowed.

During construction, if the Contractor encounters or otherwise becomes aware of any sewers, underdrains or field drains within the right-of-way other than those shown on the plans, he shall so inform the Village, who shall direct the work necessary to maintain or replace the facilities in service and to protect them from damage during construction if maintained. Existing facilities to be maintained that are damaged because of the non-compliance with this provision shall be replaced at the Contractor's own expense.

PROTECTION OF EXISTING INFRASTRUCTURE

This work shall consist of the protection of the existing concrete sidewalks, driveway aprons and concrete pavers during the construction from damage by the Contractor’s trucks, excavating equipment, placement of bituminous prime coat and any other equipment used by the Contractor.

When removing curb and gutter, sidewalk, pavement or any other structure (if applicable), the Contractor shall take every precaution necessary to ensure that there will be no damage to underground public or private utilities. Under no circumstances will the use of a frost ball concrete breaker be allowed.

The Contractor shall use plywood sheets, wood planks or other approved material to protect the existing sidewalk and aprons from damage by the Contractor's equipment and trucks.

The Contractor shall provide sufficient planking or other approved materials needed to protect the existing concrete surfaces from damage during construction.

The Contractor may ride his equipment on the sidewalk area, but not on the top of the curb unless he can prove that no damage will result to the curb.

The cost to furnish, place, move and dispose of plywood, planking, or other approved materials needed to continually protect and clean the existing roadways, concrete sidewalk, aprons and curb and gutter will not be paid for seperately, but will be considered incidental to the contract and no additional compenstatoin will be allowed.

CONSTRUCTION ACCESS

In the event the Contractor requires access via private property, he shall take the lead role in coordination with private property owners to gain permission to use private property to gain access as required to complete this work. The Village will assist the Contractor with introductions to the private property owner. The Contractor shall obtain written consent from the property owner prior to usage with a copy of the agreement provided to the Village.

The Contractor shall be responsible for the restoration of all damage to private property outside of the work zone limits shown on the plans. The Contractor shall assume all liability and protect and save harmless the Village from any damages or claims for use of private property. This work will not be paid for separately but shall be as included in the unit prices bid and no additional compensation will be allowed.

DEWATERING

When and if dewatering the construction area is necessary, all waters shall be filtered by using filter bags or an alternative measure approved by the Village. All filter bags must have secondary containment devices and should be placed on level ground. Water must have sediment removed before being allowed to return to the original lake, creek and or ditch. The discharge shall be designed so that returning waters do not cause erosion.

Where and if required, temporary diversions shall be installed in accordance with the plan details. Aggregate ditch checks shall be installed in addition to ditch filters in the event of high turbidity conditions within the work area. The aggregate ditch checks shall be in accordance with Section 280 of the Standard Specifications and IDOT Highway Standard 280001-07.

The Contractor shall submit the temporary diversion and dewatering plan to the Village for review as required. The plan shall include the method, design, location, and maintenance of the dewatering plan, filter bag(s), temporary diversions, and aggregate ditch checks.
Dewatering, temporary diversions, and pumping for all construction operations will not be measured separately for payment but shall be as included in the cost of the related item of work requiring the dewatering operation or temporary diversion. Dewatering will include means, methods and all materials and equipment to dewater and provide filtration of waters before re-entering the ditches, and/or storm sewer.

This work will not be paid for separately but shall be as included in the unit prices bid and no additional compensation will be allowed.

SAW CUTTING

This work (as necessary or required) shall consist of sawing the existing pavement, curb, sidewalks, and bituminous and concrete driveways in order to separate that portion to be removed from that which will remain. This work shall be performed at all locations where proposed improvements will meet existing conditions, and as indicated on the plans or as directed by the Village.

The Contractor shall make all saw cuts with a concrete saw meeting the approval of the Village.
All saw cutting will be considered as included in the unit bid prices and will not be paid for separately and no additional compensation will be allowed.

REMOVE AND RE-ERECT EXISTING SIGN

Description:
The contractor shall remove and reinstalling the existing signpost(s) to its preconstruction condition or better. All materials from the existing signpost will be removed in a manner to be salvaged. Any of the material damaged by the Contractor shall be replaced by the Contractor at his/her own expense. No allowances shall be made to the Contractor for varying material types and/or methods of construction. This work shall be in accordance with Section / Article 107.20 of the IDOT SSRBC.

See plans for the location of the sign(s) that were identified to be removed and reinstalled as part of the project.

The cost of all materials required and labor necessary to comply with the above provisions will not be paid for separately but shall be considered as included in the unit bid prices of the contract, and no additional compensation will be allowed.

SPECIAL PROVISIONS PER IDENTIFIED PAY ITEM

WATER MAIN, 24" MIN. (CASING PIPE)

Description:
This work shall include providing a steel casing pipe for the TRENCHLESS PIPE INSTALLATION per the roadway crossing purposes to then install the water main size as specified where it must cross the roadway as indicated in the plans. The casing pipe shall be a steel casing pipe and pipe size as required to provide the adequate casing of the installed water main size as specified including the appropriate casing spacers installed on the carrier pipe.
Casing spacers shall be Cascade CCS or approved equal and shall be paid separately under TRENCHLESS PIPE INSTALLATION.
The Contractor is advised to review the site and familiarize themselves with the soil conditions prior to finalizing his bid for this portion of the work. No additional compensation shall be allowed for changes in the construction method due to ground conditions that may exist at the time of construction. All work shall be performed in accordance with the Standard Specification except as described in the following specifications and the Steel Sleeve Specification contained herein. The Contractor shall field verify the elevations and locations of any and all utilities that may cross beneath or over the proposed crossing prior to ordering structures or beginning the trenchless operation so as to not damage the existing utilities during trenchless operations. No additional compensation shall be given for any modifications required to be made to the proposed water main line design (including but not limited to re-ordering/restocking structures) or for any delay time incurred due to a difference in assumed and actual elevations of the existing utilities if any exist.

Materials:
Casing material shall be according to the following: All casing pipe shall be smooth, Grade B welded steel pipe meeting the requirements of ASTM A139 and ANSI/AWWA C200 (AWWA Standard for Steel Casing Pipe - 6 in. (150 mm) and larger), minimum yield strength of 35,000 psi.
Unless otherwise shown on the plans, steel casings shall be of the size and thickness shown in the table below:
Standard sizes of steel sleeves used as casings* Carrier Pipe ID in Inches, Casing Wall Thickness in Inches, Casing Outside Diameter in Inches:

- **12", min. 0.375", 24"**.

Method of Measurement: This work shall be measured per linear foot of casing of specified size installed.

Basis of Payment: This work shall be paid for at the contract unit price per foot for WATER MAIN, 24" MIN. (CASING PIPE) – "Material" which price shall include the casing pipe, delivery, and equipment necessary to provide the casing pipe as part of the project as shown on the contract plans.

DUCTILE IRON WATER MAIN 12”

Materials:
Provide ductile iron pipe complying with ANSI A21.51, thickness Class 52, with joints complying with ANSI A21.11. External coating shall be standard, as specified for general use in ASA Specification A21.51. All pipe and fittings shall be manufactured in the United States of America, or approved equal. Use internal cement lining complying with ANSI A21.4 or AWWA C205, standard thickness. Use ductile iron fittings with mechanical joint complying with ANSI A21.10 or A21.53. Use internal cement lining complying with ANSI A021.4, standard thickness. All watermains shall be cement lined ductile iron pipe with push-on or mechanical joints and shall be encased in polyethylene film in accordance with AWWA C-105-82.

Fittings shall be cement lined, tar coated cast iron with mechanical joints rated 250 psi per AWWA C110/ANSI 21.20.

Additional Requirements: The construction of water main shall be done in accordance with the requirements of Section 561 of the Standard Specifications, “Standard Specifications for Water and Sewer Main Construction in Illinois” latest edition.

All fittings shall be manufactured in the United States of America, or an approved equal per the Village Standards. Use ductile iron fittings with mechanical joint complying with ANSI A21.10 or A21.53.

Ductile Iron complying with AWWA C153.
Mechanical joint complying with AWWA C111.
Gaskets complying with AWWA C111.

WATER VALVES 12" - GATE VALVE

Gate valve shall be installed in accordance with the Village of Oswego requirements, 561 of the IDOT Specifications, and standards herein. This item shall include the gate valve of type and size specified and all fittings/hardware necessary or required to complete installation by the contractor.

All main line valves shall be “American Flow Control” type gate valves (or approved equal per Village) and will be housed in a precast concrete vault of the appropriate size upon construction.

All valves shall be AWWA C515-01, ductile iron body, bronze fitted, modified wedge disc, resilient seat type with non-rising stem and O-ring packing designed for 250-pound working pressure, as manufactured by “American Flow Control”, or approved equal. External Bolts and Hex Nuts: Stainless steel according to ASTM A 240, Type 304

Additional Requirements: The construction of water main shall be done in accordance with the requirements of Section 561 of the Standard Specifications, "Standard Specifications for Water and Sewer Main Construction in Illinois" latest edition.

VALVE VAULT, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID

Description:
The water valves (gate or butterfly valves) shall be suitable for ordinary water works service, intended to be installed in a normal position on buried pipelines for water distribution systems. All main valves shall be installed in precast concrete vaults conforming to ASTM C478 as detailed in the Valve Vault Detail. All vaults for newly constructed water main shall have flexible rubber watertight pipe connectors. Pressure connection taps/vaults shall seal the pipe entrances for the existing pipe with anti-hydro cement as shown in the plan details.

Valve vault frames shall be Neenah R-1530 and lids shall be a "Neenah" type B, or approved equal, with the word "WATER" stamped into the lid.

Each valve vault cone and barrel section joint shall also be externally sealed with a 9" wide (min.) sealing band of rubber and mastic. The band shall have an outer layer of rubber or polyethylene with an under layer of rubberized mastic (with a protective film), meeting the requirements of ASTM C-877, type II or type III.

All Valve Vaults are to include two (2) – 1" corporation stop coupling (MUELLER B-25008) or approved equal for testing and flushing purposes as indicated on the Village of Oswego Water Main Pressure Connection Detail and Valve Vault Type A Detail.

Valve Vaults shall be reinforced concrete in accordance with ASTM C478. The casting shall be as specified in the Plans.

Blocking to prevent movement of mains under pressure at bends and fittings shall be Portland Cement Concrete (PCC), a minimum of 12-inches thick pre-cast blocks, placed between solid ground and the fittings in such a manner that pipe fittings and joints will be accessible for repairs. All bends of 22 ½ degrees or greater, and all tees and plugs shall be thrust protected to prevent movement of the line under pressure. Thrust protection may also be attained by the use of a combination of mechanical retaining glands and threaded stainless steel rods. Wood blocks or shims will not be allowed for thrust blocking.

The cost of thrust blocking to be considered as included in the cost of the item being installed.

Pressure Connections are paid for separately.

Method of Measurement:
This work shall be measured per each valve as sized specified, valve vault with specified diameter specified with special frame and lid.

Basis of Payment:
This work shall be paid for at the contract unit price each for WATER VALVE of specified size and VALVE VAULT, TYPE A, 5' DIAMETER, WITH SPECIAL FRAME AND LID of the type and size specified, which price shall include providing and installing the valve vault, trench backfill, and backfill material as detailed on the plans.

TRENCHLESS PIPE INSTALLATION

Description:
This work shall consist of excavating the bore and receiving pits, providing the necessary equipment based on preferred method, materials based on method, and labor required for installing TRENCHLESS PIPE INSTALLATION (i.e. Operation/Installation) that will include installing both DUCTILE IRON WATER MAIN 12" and WATER MAIN, 24" MIN. (CASING PIPE) under Plainfield Road both by trenchless methods as shown on the details in the plans.

See plans for Water Main Tag identifying locations for TRENCHLESS PIPE INSTALLATION.

Construction Methods:
The method used for trenchless installation of the proposed DUCTILE IRON WATER MAIN 12" water main and WATER MAIN, 24" MIN. (CASING PIPE) under Plainfield Road as shown on the plans shall be at the Contractor's option or preferred method to complete the Work as shown on the plans by trenchless installation. Most used construction methods for this scope of work would be auger boring, and pipe jacking for new construction technologies and similar work. The contractor shall take on the sole responsibility to visit the site to become familiar with site conditions that may affect cost, progress, performance, and preferred method of the work to be performed. The contractor to provide the necessary shop drawings of the preferred trenchless installation method to be used, equipment, and included materials but not limited to, restrained joint, casing spacers (as required and approved manufacture by Village), 24" steel casing pipe (as required and approved manufacture by Village), and casing end seals (as required and approved manufacture by Village).

Casing spacers shall be stainless steel, model CCS as manufactured by Cascade Waterworks Mfg. Co. of Yorkville, IL or approved equal, and shall be bolt on style with a two-piece shell made from T-304 stainless steel of a minimum 14-gauge thickness. Risers shall be made of T-304 14-gauge stainless steel. Installation.

The ends of the casing pipe shall be sealed with brick and mortar, or other manufactured casing ends to seal both ends of the pipe. This work shall be in compliance with all applicable details and provision references included in the approved plans and VILLAGE Standards.

Additional Requirements:
The Contractor is advised to review the site and familiarize themselves with the soil conditions prior to finalizing his bid for this portion of the work. No additional compensation shall be allowed for changes in the construction method due to ground conditions that may exist at the time of

construction. All work shall be performed in accordance with the Standard Specification except as described in the following specifications and the Steel Sleeve Specification contained herein. The Contractor shall field verify the elevations and locations of any and all utilities that may cross beneath or over the proposed crossing prior to ordering structures or beginning the trenchless operation so as to not damage the existing utilities during trenchless operations. No additional compensation shall be given for any modifications required to be made to the proposed water main line design (including but not limited to re-ordering/restocking structures) or for any delay time incurred due to a difference in assumed and actual elevations of the existing utilities if any exist.

Method of Measurement:
This work shall be measured per linear foot of TRENCHLESS PIPE INSTALLATION as specified in plans. The locations specified for TRENCHLESS PIPE INSTALLATION, the DUCTILE IRON WATER MAIN 12" and WATER MAIN, 24" MIN. (CASING PIPE) shall be paid for separately under those identified individual pay item(s).

Basis of Payment:
The work will be paid for at the contract unit price per foot for TRENCHLESS PIPE INSTALLATION, which shall include equipment based on method, materials based on method, all excavation, trench shoring as necessary, and disposal of material and surplus excavated material from the trench, trench backfill, dewatering, and all other labor and equipment necessary to complete the work in its entirety as intended and shown on the contract plans.

CONNECTION TO EXISTING WATER MAIN 12"

Description:
The CONTRACTOR shall perform cut-in connections to the existing water main at locations shown on the drawings and in the manner detailed.

Connecting to the existing water main will require interruption of services. The VILLAGE, the ENGINEER, and the CONTRACTOR shall mutually agree upon a date and time which will allow ample time to assemble labor and materials and to notify all Customers/Residents affected. Customers/Residents shall be notified at least 24 hours but not more than 48 hours prior to being taken out of service.

The CONTRACTOR shall not operate valves on existing mains (unless otherwise authorized and witnessed by the VILLAGE) and will be closed and opened only by the employees of the VILLAGE's Water Distribution Department.

The CONTRACTOR shall expose the water main to be connected to and shall confirm the size and type of piping present.

The CONTRACTOR shall obtain the necessary materials required to make a proper connection. The CONTRACTOR shall coordinate prior to making any connections with the VILLAGE on any BOIL ORDERS that are to be issued and follow the VILLAGE's protocol or sequencing of the CONNECTION TO EXISTING WATER MAIN operations.

The CONTRACTOR shall not proceed until he has all the required materials on site. The CONTRACTOR shall limit the time for connections to four (4) hours. In no case, shall a customer(s) be out of service overnight.

Once the new water mains have been tested and approved for service then the CONTRACTOR shall, under the direction of the ENGINEER, place the new water main in service.

Couplings shall be included to the connection to existing water main.

Basis of Payment:
This work will be paid for at the contract unit price per each for CONNECTION TO EXISTING WATER MAIN 12", which price shall include all equipment, labor, disposal of abandoned pipe, rounded stone bedding, brick and mortar the abandoned water main, backfilling the void left, and other materials (not listed for payment separately) required to properly connect to existing water mains. One connection to existing water main will be paid for each location where a coupling is used to connect new water main to the existing water main. Ductile Iron Fittings required for these connections will be considered as included to this pay item. Trench backfill used while connecting to the existing water main shall be considered as included to this pay item.

Dewatering, if required, shall be considered as included in the cost of the Contract.

DUCTILE IRON SLEEVE 12"

Description.
This work shall consist of installing ductile iron sleeves on the water distribution system while making a connection from the proposed water main to the existing water main for modifications of the type and size specified as shown on the plans.

Tapping Sleeves:
1. Use two-piece bolted sleeve ductile iron or stainless-steel type with mechanical joints.
2. Provide joint accessories.
3. Measure existing water main outside diameter to determine proper tapping sleeve size
4. Acceptable manufacturers (or approved equal):
    1. Ductile iron: McWane Ductile F-5205.
    2. Stainless steel: Cascade CST extra heavy duty.

Tapping valves:
1. Use fully ported gate valves complying with AWWA C500.
2. Use mechanical joints type, McWane Ductile F-5093.

Basis of Payment.
This work will be paid for at the contract unit price per each DUCTILE IRON SLEEVE of the size specified.

EXPLORATION TRENCH, SPECIAL

Description.
This item shall consist of excavating a trench at locations designated by the Engineer for the purpose of locating existing underground facilities, existing building services, or existing utility lines within the limits of the proposed improvement. The trench shall be deep enough to expose the existing utility line, and the width of the trench shall be sufficient to allow proper investigation to determine if the line needs to be replaced and to determine conflicts with the proposed improvements. The exploration trench shall be backfilled with trench backfill meeting the requirements of the Standard Specifications, the cost of which shall be included in the item of EXPLORATION TRENCH (SPECIAL).

An estimated length of exploration trench has been shown in the Summary of Quantities to establish a unit price, and payment shall be based on the actual length of trench explored without a change in unit price because of adjustment of plan quantity.

Method of Measurement.
EXPLORATION TRENCH, SPECIAL will be measured in feet of the actual trench excavated.

Basis of Payment.
This work will be paid at the contract unit price per foot for EXPLORATION TRENCH, SPECIAL, regardless of the depth required, and no extra compensation will be allowed for any delays, inconveniences or damages sustained by the Contractor in performing this work.

CONSTRUCTION LAYOUT

Description:
This work shall consist of providing construction layout of the proposed improvements shown on the plans to provide construction layout for the Contractor. This work shall be performed in accordance with the IDOT Supplemental Specifications and Recurring Special Provisions (SSRSP) – Adopted January 1, 2023, and as directed by the Engineer. This work shall be performed per the Special Provision for Construction Layout Stakes outlined in the SSRSP. This work shall consist of furnishing all materials, equipment and labor required for the Construction Layout.

Method of Measurement:
This work shall be measured for payment in lump sum for CONSTRUCTION LAYOUT.

Basis of Payment:
This work shall be paid for at the contract unit price per lump sum for CONSTRUCTION LAYOUT which the price shall include all of items listed in the SSRSP for Construction Layout Stakes.

MISCELLANEOUS ADDITIONS TO PROJECT AT VILLAGE'S DISCRETION

Description:
This item is to provide for additional budget in the contract for additional scope of work that may be required but not specifically included in the contract plans and specifications and/or work that may be included in the contract plans and specifications but not covered by a contract pay item prior to the bidding process.

Construction Requirements:
All work shall conform to appropriate articles of the Standard Specifications, VILLAGE ordinances, VILLAGE Details and specifications that are considered industry standards or standards set forth by a governing body (i.e. VILLAGE, IDOT, MUTCD, etc.) for the furnishing, fabrication, installation or removal of the included items.

Materials:
All furnished material shall conform to appropriate articles of the Standard Specifications, VILLAGE ordinances, VILLAGE details and specifications that are considered industry standards or standards set forth by a governing body (i.e. VILLAGE, IDOT, MUTCD, etc.) for the furnishing, fabrication, installation, or removal of the included items.

Disposal of Material & Safety:
All materials resulting from this extra work shall be disposed of at the contractor's expense, outside the limits of the job, at locations acceptable to the Engineer and in accordance with Section 107.01 of the Standard Specifications, as amended by Public Act 90-761.

Method of Measurement:
This item shall be measured for payment in the appropriate dimensions for the work performed.

Basis of Payment:
The Contractor will include in his/her Bid Sum of 1 unit at the amount per unit identified of $10,000.00 for Base Bid for miscellaneous additions to the project at the VILLAGE's Discretion. Only additional work, as approved by the VILLAGE in writing, will be eligible for payment. Additional work may consist of items such as additional connection to an existing water main of odd size, or other construction item(s) that may be deemed necessary by the VILLAGE to add to the project and not otherwise identified as an identified bid item.

CONTRACTOR BID AGREEMENT

TO:

Village of Oswego
100 Parkers Mill
Oswego, IL 60543

The undersigned Bidder, in compliance with your advertisement for Bids for work as specified, and related documents prepared by or at the direction of the Village of Oswego, Owner, and being familiar with all conditions surrounding the work, including availability of labor and material, do hereby propose to furnish materials, labor, equipment, and services and pay for same and shall perform all work required for the completion of the Project, in accordance with the Contract documents and at the price provided.

Bidder certifies this Bid to be for the project described in the Instruction to Bidders document and to be in accordance with plans, specifications, and Contract Documents, including the invitation for Bids.

In no event shall any delays or extensions of time be construed as cause or justification for payment of extra compensation to the Contractor. Any claims for an increase of the Contract time shall be made in writing to the Village within seven (7) days of the cause.

_____

Printed Name of Contractor

_____

Company Name

_____

Address *Village, State, Zip Code*

_____

Phone Number *Email Address*

_____

Printed Name of Authorized Representative *Title*

_____

Signature of Authorized Representative *Date*

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:

Village of Oswego

HR Green, Inc.

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

BDE SPECIAL PROVISIONS
For the April 28, 2023 and June 16, 2023 Lettings

The following special provisions indicated by a “check mark” are applicable to this contract and will be included by the Project Coordination and Implementation Section of the Bureau of Design & Environment (BDE).

File Name	#		Special Provision Title	Effective	Revised
80099	1	☐	Accessible Pedestrian Signals (APS)	April 1, 2003	Jan. 1, 2022
80274	2	☐	Aggregate Subgrade Improvement	April 1, 2012	April 1, 2022
80192	3	☐	Automated Flagger Assistance Devices	Jan. 1, 2008	April 1, 2023
80173	4	☐	Bituminous Materials Cost Adjustments	Nov. 2, 2006	Aug. 1, 2017
80426	5	☐	Bituminous Surface Treatment with Fog Seal	Jan. 1, 2020	Jan. 1, 2022
80436	6	☐	Blended Finely Divided Minerals	April 1, 2021	
* 80241	7	☐	Bridge Demolition Debris	July 1, 2009	
* 5053I	8	☐	Building Removal	Sept. 1, 1990	Aug. 1, 2022
* 5026I	9	☐	Building Removal with Asbestos Abatement	Sept. 1, 1990	Aug. 1, 2022
80384	10	☐	Compensable Delay Costs	June 2, 2017	April 1, 2019
* 80198	11	☑	Completion Date (via calendar days)	April 1, 2008	
* 80199	12	☐	Completion Date (via calendar days) Plus Working Days	April 1, 2008	
80261	13	☑	Construction Air Quality – Diesel Retrofit	June 1, 2010	Nov. 1, 2014
80434	14	☐	Corrugated Plastic Pipe (Culvert and Storm Sewer)	Jan. 1, 2021	
* 80029	15	☐	Disadvantaged Business Enterprise Participation	Sept. 1, 2000	Mar. 2, 2019
80229	16	☐	Fuel Cost Adjustment	April 1, 2009	Aug. 1, 2017
80447	17	☐	Grading and Shaping Ditches	Jan. 1, 2023	
80433	18	☐	Green Preformed Thermoplastic Pavement Markings	Jan. 1, 2021	Jan. 1, 2022
80443	19	☐	High Tension Cable Median Barrier Removal	April 1, 2022	
80446	20	☐	Hot-Mix Asphalt - Longitudinal Joint Sealant	Nov. 1, 2022	
80438	21	☐	Illinois Works Apprenticeship Initiative – State Funded Contracts	June 2, 2021	Sept. 2, 2021
80045	22	☐	Material Transfer Device	June 15, 1999	Jan. 1, 2022
80441	23	☐	Performance Graded Asphalt Binder	Jan. 1, 2023	
* 3426I	24	☐	Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2022
80445	25	☑	Seeding	Nov. 1, 2022	
80448	26	☐	Source of Supply and Quality Requirements	Jan. 2, 2023	
80340	27	☐	Speed Display Trailer	April 2, 2014	Jan. 1, 2022
80127	28	☐	Steel Cost Adjustment	April 2, 2004	Jan. 1, 2022
80397	29	☐	Subcontractor and DBE Payment Reporting	April 2, 2018	
80391	30	☑	Subcontractor Mobilization Payments	Nov. 2, 2017	April 1, 2019
80437	31	☐	Submission of Payroll Records	April 1, 2021	Nov. 1, 2022
80435	32	☐	Surface Testing of Pavements – IRI	Jan. 1, 2021	Jan. 1, 2023
80410	33	☐	Traffic Spotters	Jan. 1, 2019	
* 20338	34	☐	Training Special Provisions	Oct. 15, 1975	Sept. 2, 2021
80429	35	☐	Ultra-Thin Bonded Wearing Course	April 1, 2020	Jan. 1, 2022
80439	36	☑	Vehicle and Equipment Warning Lights	Nov. 1, 2021	Nov. 1, 2022
80440	37	☐	Waterproofing Membrane System	Nov. 1, 2021	
80302	38	☐	Weekly DBE Trucking Reports	June 2, 2012	Nov. 1, 2021
80427	39	☑	Work Zone Traffic Control Devices	Mar. 2, 2020	
* 80071	40	☐	Working Days	Jan. 1, 2002	

Highlighted items indicate a new or revised special provision for the letting.

An * indicates the special provision requires additional information from the designer, which needs to be submitted separately. The Project Coordination and Implementation Section will then include the information in the applicable special provision.

The following special provisions have been deleted from use.

File Name	Special Provision Title	Effective	Revised
5048I	Building Removal-Case II (Non-Friable Asbestos)	Sept. 1, 1990	April 1, 2010
5049I	Building Removal-Case III (Friable Asbestos)	Sept. 1, 1990	April 1, 2010

The following special provisions are in the 2023 Supplemental Specifications and Recurring Special Provisions.

File Name	Special Provision Title	New Location(s)	Effective	Revised
80293	Concrete Box Culverts with Skews > 30 Degrees and Design Fills ≤ 5 Feet	Articles 540.04 & 540.06	April 1, 2012	July 1, 2016
80311	Concrete End Sections for Pipe Culverts	Articles 540.07, 542.01, 542.02, 542.07, 542.11 & 542.12	Jan. 1, 2013	April 1, 2016
80422	High Tension Cable Median Barrier	Articles 644.02, 644.05, 782.01, 782.04, 782.07 & 1097.02	Jan. 1, 2020	Jan. 1, 2022
80442	Hot-Mix Asphalt	Articles 1030.09 & 1030.10	Jan. 1, 2022	Aug. 1, 2022
80444	Hot-Mix Asphalt – Patching	Errata – Article 442.08(b)	April 1, 2022	
80411	Luminaires, LED	Articles 801.05(a), 821.02(d), 821.03, 821.08 & 1067.01-1067.06	April 1, 2019	Jan. 1, 2022
80418	Mechanically Stabilized Earth Retaining Walls	Articles 1003.07 & 1004.06	Nov. 1, 2019	Nov. 1, 2020
80430	Portland Cement Concrete – Haul Time	Article 1020.11(a)(7)	July 1, 2020	
80395	Sloped Metal End Section for Pipe Culverts	Articles 540.07, 542.01, 542.02, 542.07, 542.11 & 542.12	Jan. 1, 2018	
80318	Traversable Pipe Grate for Concrete End Sections	Articles 540.04, 540.07, 540.08 & 542.01, 542.02, 542.07, 542.11 & 542.12	Jan. 1, 2013	Jan. 1, 2018

All Regional Engineers

Scott E. Stitt

Special Provision for Completion Date (via calendar days)

January 14, 2011

This special provision was developed per the recommendations of an FHWA/IDOT Joint Process Review to establish a form of contract time which is based upon a set number of calendar days.

This special provision should be used at the district's discretion and per the guidance in Chapter 66 of the Bureau of Design and Environment Manual.

The districts should include the BDE Check Sheet marked with the applicable special provisions for the April 29, 2011, and subsequent lettings. The Project Development and Implementation Section will include a copy in the contract.

This special provision will be available on the transfer directory January 14, 2011.

80198m

COMPLETION DATE (VIA CALENDAR DAYS) (BDE)

Effective: April 1, 2008

The Contractor shall complete all work on or before the completion date of this contract which will be based upon calendar days.

The completion date will be determined by adding the specified number of calendar days to the date the Contractor begins work, or to the date ten days after execution of the contract, whichever is the earlier, unless a delayed start is granted by the Engineer.

80198

CONSTRUCTION AIR QUALITY – DIESEL RETROFIT (BDE)

Effective: June 1, 2010
Revised: November 1, 2014

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.

80261

WORK ZONE TRAFFIC CONTROL DEVICES (BDE)

Effective: March 2, 2020

Add the following to Article 701.03 of the Standard Specifications:

"(q) Temporary Sign Supports .....1106.02"

Revise the third paragraph of Article 701.14 of the Standard Specifications to read:

"For temporary sign supports, the Contractor shall provide a FHWA eligibility letter for each device used on the contract. The letter shall provide information for the set-up and use of the device as well as a detailed drawing of the device. The signs shall be supported within 20 degrees of vertical. Weights used to stabilize signs shall be attached to the sign support per the manufacturer's specifications."

Revise the first paragraph of Article 701.15 of the Standard Specifications to read:

"**701.15 Traffic Control Devices.** For devices that must meet crashworthiness standards, the Contractor shall provide a manufacturer's self-certification or a FHWA eligibility letter for each Category 1 device and a FHWA eligibility letter for each Category 2 and Category 3 device used on the contract. The self-certification or letter shall provide information for the set-up and use of the device as well as a detailed drawing of the device."

Revise the first six paragraphs of Article 1106.02 of the Standard Specifications to read:

"**1106.02 Devices.** Work zone traffic control devices and combinations of devices shall meet crashworthiness standards for their respective categories. The categories are as follows.

Category 1 includes small, lightweight, channelizing and delineating devices that have been in common use for many years and are known to be crashworthy by crash testing of similar devices or years of demonstrable safe performance. These include cones, tubular markers, plastic drums, and delineators, with no attachments (e.g. lights). Category 1 devices manufactured after December 31, 2019 shall be MASH-16 compliant. Category 1 devices manufactured on or before December 31, 2019, and compliant with NCHRP 350 or MASH 2009, may be used on contracts let before December 31, 2024.

Category 2 includes devices that are not expected to produce significant vehicular velocity change but may otherwise be hazardous. These include vertical panels with lights, barricades, temporary sign supports, and Category 1 devices with attachments (e.g. drums with lights). Category 2 devices manufactured after December 31, 2019 shall be MASH-16 compliant. Category 2 devices manufactured on or before December 31, 2019, and compliant with NCHRP 350 or MASH 2009, may be used on contracts let before December 31, 2024.

Category 3 includes devices that are expected to cause significant velocity changes or other potentially harmful reactions to impacting vehicles. These include crash cushions (impact

attenuators), truck mounted attenuators, and other devices not meeting the definitions of Category 1 or 2. Category 3 devices manufactured after December 31, 2019 shall be MASH-16 compliant. Category 3 devices manufactured on or before December 31, 2019, and compliant with NCHRP 350 or MASH 2009, may be used on contracts let before December 31, 2029. Category 3 devices shall be crash tested for Test Level 3 or the test level specified.

Category 4 includes portable or trailer-mounted devices such as arrow boards, changeable message signs, temporary traffic signals, and area lighting supports. It is preferable for Category 4 devices manufactured after December 31, 2019 to be MASH-16 compliant; however, there are currently no crash tested devices in this category, so it remains exempt from the NCHRP 350 or MASH compliance requirement.

For each type of device, when no more than one MASH-16 compliant is available, an NCHRP 350 or MASH-2009 compliant device may be used, even if manufactured after December 31, 2019."

Revise Articles 1106.02(g), 1106.02(k), and 1106.02(l) to read:

"(g) Truck Mounted/Trailer Mounted Attenuators. The attenuator shall be approved for use at Test Level 3. Test Level 2 may be used for normal posted speeds less than or equal to 45 mph.

(k) Temporary Water Filled Barrier. The water filled barrier shall be a lightweight plastic shell designed to accept water ballast and be on the Department's qualified product list.

Shop drawings shall be furnished by the manufacturer and shall indicate the deflection of the barrier as determined by acceptance testing; the configuration of the barrier in that test; and the vehicle weight, velocity, and angle of impact of the deflection test. The Engineer shall be provided one copy of the shop drawings.

(l) Movable Traffic Barrier. The movable traffic barrier shall be on the Department's qualified product list.

Shop drawings shall be furnished by the manufacturer and shall indicate the deflection of the barrier as determined by acceptance testing; the configuration of the barrier in that test; and the vehicle weight, velocity, and angle of impact of the deflection test. The Engineer shall be provided one copy of the shop drawings. The barrier shall be capable of being moved on and off the roadway on a daily basis."

80427

Illinois Department of Transportation

Memorandum

To:	Regional Engineers
From:	Jack A. Elston
Subject:	Special Provision for Subcontractor Mobilization Payments
Date:	January 11, 2019

This special provision was developed by the Bureau of Construction and Office of Chief Council to comply with Illinois Procurement Code 30 ILCS 500/30-50. It has been revised to shorten the timing of the mobilization payment from “at least 14 days” to “at least 7 days” prior to the subcontractor starting work

This special provision should be inserted into all contracts.

The districts should include the BDE Check Sheet marked with the applicable special provisions for the April 26, 2019 and subsequent lettings. The Project Coordination and Implementation Section will include a copy in the contract.

This special provision will be available on the transfer directory January 11, 2019.

80391m

SUBCONTRACTOR MOBILIZATION PAYMENTS (BDE)

Effective: November 2, 2017
Revised: April 1, 2019

Replace the second paragraph of Article 109.12 of the Standard Specifications with the following:

"This mobilization payment shall be made at least seven days prior to the subcontractor starting work. The amount paid shall be at the following percentage of the amount of the subcontract reported on form BC 260A submitted for the approval of the subcontractor's work.

Value of Subcontract Reported on Form BC 260A	Mobilization Percentage
Less than $10,000	25%
$10,000 to less than $20,000	20%
$20,000 to less than $40,000	18%
$40,000 to less than $60,000	16%
$60,000 to less than $80,000	14%
$80,000 to less than $100,000	12%
$100,000 to less than $250,000	10%
$250,000 to less than $500,000	9%
$500,000 to $750,000	8%
Over $750,000	7%"

80391

Illinois Department of Transportation

Memorandum

To:	Regional Engineers
From:	Jack A. Elston
Subject:	Special Provision for Vehicle and Equipment Warning Lights
Date:	July 23, 2021

This special provision was developed to ensure the Contractor's vehicles and equipment are properly equipped with warning lights.

This special provision should be inserted into all contracts.

The districts should include the BDE Check Sheet marked with the applicable special provisions for the November 5, 2021 and subsequent lettings. The Project Coordination and Implementation Section will include a copy in the contract.

80439m

VEHICLE AND EQUIPMENT WARNING LIGHTS (BDE)

Effective: November 1, 2021

Add the following paragraph after the first paragraph of Article 701.08 of the Standard Specifications:

"The Contractor shall equip all vehicles and equipment with high-intensity oscillating, rotating, or flashing, amber or amber-and-white, warning lights which are visible from all directions. The lights shall be in operation while the vehicle or equipment is engaged in construction operations."

80439

Illinois Department of Transportation

Memorandum

To:	Regional Engineers
From:	Jack A. Elston
Subject:	Special Provision for Seeding
Date:	August 5, 2022

This special provision was developed to update the seeding mixtures by eliminating seed varieties no longer available and allowing alternative fescues. It was also revised to replace the seeding dates with temperature requirements and establish a consistent period of establishment.

This special provision should be inserted into all contracts with SEEDING or INTERSEEDING.

The districts should include the BDE Check Sheet marked with the applicable special provisions for the November 18, 2022 and subsequent lettings. The Project Coordination and Implementation Section will include a copy in the contract.

80445m

SEEDING (BDE)

Effective: November 1, 2022

Revise Article 250.07 of the Standard Specifications to read:

"**250.07 Seeding Mixtures.** The classes of seeding mixtures and combinations of mixtures will be designated in the plans.

When an area is to be seeded with two or more seeding classes, those mixtures shall be applied separately on the designated area within a seven day period. Seeding shall occur prior to placement of mulch cover. A Class 7 mixture can be applied at any time prior to applying any seeding class or added to them and applied at the same time.

TABLE 1 - SEEDING MIXTURES			
Class - Type		Seeds	lb/acre (kg/hectare)
1	Lawn Mixture 1/	Kentucky Bluegrass	100 (110)
		Perennial Ryegrass	60 (70)
		Festuca rubra ssp. r*ubra* (Creeping Red Fescue)	40 (50)
1A	Salt Tolerant Lawn Mixture 1/	Kentucky Bluegrass	60 (70)
		Perennial Ryegrass	20 (20)
		Festuca rubra ssp. *rubra* (Creeping Red Fescue)	20 (20)
		Festuca brevipilla (Hard Fescue)	20 (20)
		Puccinellia distans (Fults Saltgrass or Salty Alkaligrass)	60 (70)
1B	Low Maintenance Lawn Mixture 1/	Turf-Type Fine Fescue 3/	150 (170)
		Perennial Ryegrass	20 (20)
		Red Top	10 (10)
		Festuca rubra ssp. *rubra* (Creeping Red Fescue)	20 (20)
2	Roadside Mixture 1/	*Lolium arundinaceum* (Tall Fescue)	100 (110)
		Perennial Ryegrass	50 (55)
		Festuca rubra ssp. r*ubra* (Creeping Red Fescue)	40 (50)
		Red Top	10 (10)
2A	Salt Tolerant Roadside Mixture 1/	*Lolium arundinaceum* (Tall Fescue)	60 (70)
		Perennial Ryegrass	20 (20)
		Festuca rubra ssp. *rubra* (Creeping Red Fescue)	30 (20)
		Festuca brevipila (Hard Fescue)	30 (20)
		Puccinellia distans (Fults Saltgrass or Salty Alkaligrass)	60 (70)
3	Northern Illinois Slope Mixture 1/	*Elymus canadensis* (Canada Wild Rye) 5/	5 (5)
		Perennial Ryegrass	20 (20)
		Alsike Clover 4/	5 (5)
		Desmanthus illinoensis (Illinois Bundleflower) 4/ 5/	2 (2)
		Schizachyrium scoparium (Little Bluestem) 5/	12 (12)
		Bouteloua curtipendula (Side-Oats Grama) 5/	10 (10)
		Puccinellia distans (Fults Saltgrass or Salty Alkaligrass)	30 (35)
		Oats, Spring	50 (55)
		Slender Wheat Grass 5/	15 (15)
		Buffalo Grass 5/ 7/	5 (5)
3A	Southern Illinois Slope Mixture 1/	Perennial Ryegrass	20 (20)
		Elymus canadensis (Canada Wild Rye) 5/	20 (20)
		Panicum virgatum (Switchgrass) 5/	10 (10)
		Schizachyrium scoparium (Little Blue Stem) 5/	12 (12)
		Bouteloua curtipendula (Side-Oats Grama) 5/	10 (10)
		Dalea candida (White Prairie Clover) 4/ 5/	5 (5)
		Rudbeckia hirta (Black-Eyed Susan) 5/	5 (5)
		Oats, Spring	50 (55)

Class – Type		Seeds	lb/acre (kg/hectare)
4	Native Grass 2/ 6/	*Andropogon gerardi* (Big Blue Stem) 5/	4 (4)
		Schizachyrium scoparium (Little Blue Stem) 5/	5 (5)
		Bouteloua curtipendula (Side-Oats Grama) 5/	5 (5)
		Elymus canadensis (Canada Wild Rye) 5/	1 (1)
		Panicum virgatum (Switch Grass) 5/	1 (1)
		Sorghastrum nutans (Indian Grass) 5/	2 (2)
		Annual Ryegrass	25 (25)
		Oats, Spring	25 (25)
		Perennial Ryegrass	15 (15)
4A	Low Profile Native Grass 2/ 6/	*Schizachyrium scoparium* (Little Blue Stem) 5/	5 (5)
		Bouteloua curtipendula (Side-Oats Grama) 5/	5 (5)
		Elymus canadensis (Canada Wild Rye) 5/	1 (1)
		Sporobolus heterolepis (Prairie Dropseed) 5/	0.5 (0.5)
		Annual Ryegrass	25 (25)
		Oats, Spring	25 (25)
		Perennial Ryegrass	15 (15)
4B	Wetland Grass and Sedge Mixture 2/ 6/	Annual Ryegrass	25 (25)
		Oats, Spring	25 (25)
		Wetland Grasses (species below) 5/	6 (6)

Species:	% By Weight
Calamagrostis canadensis (Blue Joint Grass)	12
Carex lacustris (Lake-Bank Sedge)	6
Carex slipata (Awl-Fruited Sedge)	6
Carex stricta (Tussock Sedge)	6
Carex vulpinoidea (Fox Sedge)	6
Eleocharis acicularis (Needle Spike Rush)	3
Eleocharis obtusa (Blunt Spike Rush)	3
Glyceria striata (Fowl Manna Grass)	14
Juncus effusus (Common Rush)	6
Juncus tenuis (Slender Rush)	6
Juncus torreyi (Torrey's Rush)	6
Leersia oryzoides (Rice Cut Grass)	10
Scirpus acutus (Hard-Stemmed Bulrush)	3
Scirpus atrovirens (Dark Green Rush)	3
Bolboschoenus fluviatilis (River Bulrush)	3
Schoenoplectus tabernaemontani (Softstem Bulrush)	3
Spartina pectinata (Cord Grass)	4

Class – Type		Seeds	lb/acre (kg/hectare)
5	Forb with Annuals Mixture 2/ 5/ 6/	Annuals Mixture (Below) Forb Mixture (Below)	1 (1) 10 (10)

Annuals Mixture - Mixture not exceeding 25 % by weight of any one species, of the following:

Coreopsis lanceolata (Sand Coreopsis)
Leucanthemum maximum (Shasta Daisy)
Gaillardia pulchella (Blanket Flower)
Ratibida columnifera (Prairie Coneflower)
Rudbeckia hirta (Black-Eyed Susan)

Forb Mixture - Mixture not exceeding 5 % by weight PLS of any one species, of the following:

Amorpha canescens (Lead Plant) 4/
Anemone cylindrica (Thimble Weed)
Asclepias tuberosa (Butterfly Weed)
Aster azureus (Sky Blue Aster)
Symphyotrichum leave (Smooth Aster)
Aster novae-angliae (New England Aster)
Baptisia leucantha (White Wild Indigo) 4/
Coreopsis palmata (Prairie Coreopsis)
Echinacea pallida (Pale Purple Coneflower)
Eryngium yuccifolium (Rattlesnake Master)
Helianthus mollis (Downy Sunflower)
Heliopsis helianthoides (Ox-Eye)
Liatris aspera (Rough Blazing Star)
Liatris pycnostachya (Prairie Blazing Star)
Monarda fistulosa (Prairie Bergamot)
Parthenium integrifolium (Wild Quinine)
Dalea candida (White Prairie Clover) 4/
Dalea purpurea (Purple Prairie Clover) 4/
Physostegia virginiana (False Dragonhead)
Potentilla arguta (Prairie Cinquefoil)
Ratibida pinnata (Yellow Coneflower)
Rudbeckia subtomentosa (Fragrant Coneflower)
Silphium laciniatum (Compass Plant)
Silphium terebinthinaceum (Prairie Dock)
Oligoneuron rigidum (Rigid Goldenrod)
Tradescantia ohiensis (Spiderwort)
Veronicastrum virginicum (Culver's Root)

Class – Type		Seeds	lb/acre (kg/hectare)
5A	Large Flower Native Forb Mixture 2/ 5/ 6/	Forb Mixture (see below)	5 (5)
	Species:		% By Weight
	Aster novae-angliae (New England Aster)		5
	Echinacea pallida (Pale Purple Coneflower)		10
	Helianthus mollis (Downy Sunflower)		10
	Heliopsis helianthoides (Ox-Eye)		10
	Liatris pycnostachya (Prairie Blazing Star)		10
	Ratibida pinnata (Yellow Coneflower)		5
	Rudbeckia hirta (Black-Eyed Susan)		10
	Silphium laciniatum (Compass Plant)		10
	Silphium terebinthinaceum (Prairie Dock)		20
	Oligoneuron rigidum (Rigid Goldenrod)		10
5B	Wetland Forb 2/ 5/ 6/	Forb Mixture (see below)	2 (2)
	Species:		% By Weight
	Acorus calamus (Sweet Flag)		3
	Angelica atropurpurea (Angelica)		6
	Asclepias incarnata (Swamp Milkweed)		2
	Aster puniceus (Purple Stemmed Aster)		10
	Bidens cernua (Beggarticks)		7
	Eutrochium maculatum (Spotted Joe Pye Weed)		7
	Eupatorium perfoliatum (Boneset)		7
	Helenium autumnale (Autumn Sneeze Weed)		2
	Iris virginica shrevei (Blue Flag Iris)		2
	Lobelia cardinalis (Cardinal Flower)		5
	Lobelia siphilitica (Great Blue Lobelia)		5
	Lythrum alatum (Winged Loosestrife)		2
	Physostegia virginiana (False Dragonhead)		5
	Persicaria pensylvanica (Pennsylvania Smartweed)		10
	Persicaria lapathifolia (Curlytop Knotweed)		10
	Pychanthemum virginianum (Mountain Mint)		5
	Rudbeckia laciniata (Cut-leaf Coneflower)		5
	Oligoneuron riddellii (Riddell Goldenrod)		2
	Sparganium eurycarpum (Giant Burreed)		5
6	Conservation Mixture 2/ 6/	*Schizachyrium scoparium* (Little Blue Stem) 5/	5 (5)
		Elymus canadensis (Canada Wild Rye) 5/	2 (2)
		Buffalo Grass 5/ 7/	5 (5)
		Vernal Alfalfa 4/	15 (15)
		Oats, Spring	48 (55)
6A	Salt Tolerant Conservation Mixture 2/ 6/	*Schizachyrium scoparium* (Little Blue Stem) 5/	5 (5)
		Elymus canadensis (Canada Wild Rye) 5/	2 (2)
		Buffalo Grass 5/ 7/	5 (5)
		Vernal Alfalfa 4/	15 (15)
		Oats, Spring	48 (55)
		Puccinellia distans (Fults Saltgrass or Salty Alkaligrass)	20 (20)
7	Temporary Turf Cover Mixture	Perennial Ryegrass	50 (55)
		Oats, Spring	64 (70)

Notes:

1/ Seeding shall be performed when the ambient temperature has been between 45 ºF (7 ºC) and 80 ºF (27 ºC) for a minimum of seven (7) consecutive days and is forecasted to be the same for the next five (5) days according to the National Weather Service.
2/ Seeding shall be performed in late fall through spring beginning when the ambient temperature has been below 45 ºF (7 ºC) for a minimum of seven (7) consecutive days and ending when the ambient temperature exceeds 80 ºF (27 ºC) according to the National Weather Service.
3/ Specific variety as shown in the plans or approved by the Engineer.
4/ Inoculation required.
5/ Pure Live Seed (PLS) shall be used.
6/ Fertilizer shall not be used.
7/ Seed shall be primed with KNO_3 to break dormancy and dyed to indicate such.

Seeding will be inspected after a period of establishment. The period of establishment shall be six (6) months minimum, but not to exceed nine (9) months. After the period of establishment, areas not exhibiting 75 percent uniform growth shall be interseeded or reseeded, as determined by the Engineer, at no additional cost to the Department."

80445

Kendall County Prevailing Wage Rates posted on 3/1/2023

						Overtime								
Trade Title	**Rg**	**Type**	**C**	**Base**	**Foreman**	**M-F**	**Sa**	**Su**	**Hol**	**H/W**	**Pension**	**Vac**	**Trng**	**Other Ins**
ASBESTOS ABT-GEN	All	ALL		47.40	48.40	1.5	1.5	2.0	2.0	15.11	17.15	0.00	0.90	
ASBESTOS ABT-MEC	All	BLD		39.60	42.77	1.5	1.5	2.0	2.0	14.77	13.59	0.00	0.86	
BOILERMAKER	All	BLD		53.66	58.48	2.0	2.0	2.0	2.0	6.97	23.69	0.00	2.67	
BRICK MASON	All	BLD		49.81	54.79	1.5	1.5	2.0	2.0	12.10	21.56	0.00	1.10	
CARPENTER	All	ALL		52.01	54.01	1.5	1.5	2.0	2.0	11.79	25.27	1.00	0.80	
CEMENT MASON	All	ALL		49.70	51.70	2.0	1.5	2.0	2.0	11.65	26.65	0.00	0.55	
CERAMIC TILE FINISHER	All	BLD		44.18	44.18	1.5	1.5	2.0	2.0	12.25	14.77	0.00	1.00	
CERAMIC TILE LAYER	All	BLD		51.44	55.44	1.5	1.5	2.0	2.0	12.25	18.48	0.00	1.08	
COMMUNICATION TECHNICIAN	All	BLD		43.08	45.88	1.5	1.5	2.0	2.0	17.30	15.06	0.00	1.51	
ELECTRIC PWR EQMT OP	All	ALL		47.56	64.89	1.5	1.5	2.0	2.0	7.00	13.32	0.00	1.19	1.43
ELECTRIC PWR GRNDMAN	All	ALL		36.53	64.89	1.5	1.5	2.0	2.0	7.00	10.23	0.00	0.92	1.10
ELECTRIC PWR LINEMAN	All	ALL		57.17	64.89	1.5	1.5	2.0	2.0	7.00	16.01	0.00	1.43	1.72
ELECTRIC PWR TRK DRV	All	ALL		37.86	64.89	1.5	1.5	2.0	2.0	7.00	10.61	0.00	0.95	1.14
ELECTRICIAN	All	BLD		51.84	56.09	1.5	1.5	2.0	2.0	18.05	18.52	0.00	1.81	
ELEVATOR CONSTRUCTOR	All	BLD		62.47	70.28	2.0	2.0	2.0	2.0	16.03	20.21	5.00	0.65	
FENCE ERECTOR	All	ALL		48.83	52.74	2.0	2.0	2.0	2.0	13.31	25.25	0.00	1.28	
GLAZIER	All	BLD		48.75	50.25	1.5	2.0	2.0	2.0	15.19	24.43	0.00	1.70	
HEAT/FROST INSULATOR	All	BLD		52.80	55.97	1.5	1.5	2.0	2.0	14.77	16.76	0.00	0.86	
IRON WORKER	All	ALL		48.83	52.74	2.0	2.0	2.0	2.0	13.31	25.25	0.00	1.28	
LABORER	All	ALL		47.40	48.15	1.5	1.5	2.0	2.0	15.11	17.15	0.00	0.90	
LATHER	All	ALL		52.01	54.01	1.5	1.5	2.0	2.0	11.79	25.27	1.00	0.80	
MACHINIST	All	BLD		53.18	57.18	1.5	1.5	2.0	2.0	9.93	8.95	1.85	1.47	
MARBLE FINISHER	All	ALL		38.00	51.41	1.5	1.5	2.0	2.0	12.10	19.60	0.00	0.60	
MARBLE SETTER	All	BLD		48.96	53.86	1.5	1.5	2.0	2.0	12.10	21.03	0.00	0.78	
MATERIAL TESTER I	All	ALL		37.40		1.5	1.5	2.0	2.0	15.11	17.15	0.00	0.90	
MATERIALS TESTER II	All	ALL		42.40		1.5	1.5	2.0	2.0	15.11	17.15	0.00	0.90	
MILLWRIGHT	All	ALL		52.01	54.01	1.5	1.5	2.0	2.0	11.79	25.27	1.00	0.80	
OPERATING ENGINEER	All	BLD	1	55.10	59.10	2.0	2.0	2.0	2.0	22.15	19.30	2.00	2.55	
OPERATING ENGINEER	All	BLD	2	53.80	59.10	2.0	2.0	2.0	2.0	22.15	19.30	2.00	2.55	
OPERATING ENGINEER	All	BLD	3	51.25	59.10	2.0	2.0	2.0	2.0	22.15	19.30	2.00	2.55	
OPERATING ENGINEER	All	BLD	4	49.50	59.10	2.0	2.0	2.0	2.0	22.15	19.30	2.00	2.55	

OPERATING ENGINEER	All	BLD	5	58.85	59.10	2.0	2.0	2.0	2.0	22.15	19.30	2.00	2.55	
OPERATING ENGINEER	All	BLD	6	56.10	59.10	2.0	2.0	2.0	2.0	22.15	19.30	2.00	2.55	
OPERATING ENGINEER	All	BLD	7	58.10	59.10	2.0	2.0	2.0	2.0	22.15	19.30	2.00	2.55	
OPERATING ENGINEER	All	FLT		41.00	41.00	1.5	1.5	2.0	2.0	20.90	17.85	2.00	2.15	
OPERATING ENGINEER	All	HWY	1	53.30	57.30	1.5	1.5	2.0	2.0	22.15	19.30	2.00	2.55	
OPERATING ENGINEER	All	HWY	2	52.75	57.30	1.5	1.5	2.0	2.0	22.15	19.30	2.00	2.55	
OPERATING ENGINEER	All	HWY	3	50.70	57.30	1.5	1.5	2.0	2.0	22.15	19.30	2.00	2.55	
OPERATING ENGINEER	All	HWY	4	49.30	57.30	1.5	1.5	2.0	2.0	22.15	19.30	2.00	2.55	
OPERATING ENGINEER	All	HWY	5	48.10	57.30	1.5	1.5	2.0	2.0	22.15	19.30	2.00	2.55	
OPERATING ENGINEER	All	HWY	6	56.30	57.30	1.5	1.5	2.0	2.0	22.15	19.30	2.00	2.55	
OPERATING ENGINEER	All	HWY	7	54.30	57.30	1.5	1.5	2.0	2.0	22.15	19.30	2.00	2.55	
ORNAMENTAL IRON WORKER	All	ALL		48.83	52.74	2.0	2.0	2.0	2.0	13.31	25.25	0.00	1.28	
PAINTER	All	ALL		50.30	52.30	1.5	1.5	1.5	2.0	19.73	4.15	0.00	1.55	
PAINTER - SIGNS	All	BLD		41.55	46.67	1.5	1.5	2.0	2.0	3.04	3.90	0.00	0.00	
PILEDRIVER	All	ALL		52.01	54.01	1.5	1.5	2.0	2.0	11.79	25.27	1.00	0.80	
PIPEFITTER	All	BLD		53.00	56.00	1.5	1.5	2.0	2.0	11.85	22.85	0.00	2.92	
PLASTERER	All	BLD		47.75	50.62	1.5	1.5	2.0	2.0	17.08	19.18	0.00	1.00	
PLUMBER	All	BLD		54.80	58.10	1.5	1.5	2.0	2.0	16.70	17.04	0.00	1.58	
ROOFER	All	BLD		48.00	53.00	1.5	1.5	2.0	2.0	11.83	15.26	0.00	0.99	
SHEETMETAL WORKER	All	BLD		53.33	56.00	1.5	1.5	2.0	2.0	11.85	19.43	0.00	1.59	2.54
SPRINKLER FITTER	All	BLD		54.55	57.30	1.5	1.5	2.0	2.0	14.20	18.70	0.00	0.75	
STEEL ERECTOR	All	ALL		48.83	52.74	2.0	2.0	2.0	2.0	13.31	25.25	0.00	1.28	
STONE MASON	All	BLD		49.81	54.79	1.5	1.5	2.0	2.0	12.10	21.56	0.00	1.10	
TERRAZZO FINISHER	All	BLD		45.57	45.57	1.5	1.5	2.0	2.0	12.25	17.14	0.00	1.03	
TERRAZZO MECHANIC	All	BLD		49.41	52.91	1.5	1.5	2.0	2.0	12.25	18.60	0.00	1.07	
TRUCK DRIVER	All	ALL	1	42.70	43.25	1.5	1.5	2.0	2.0	10.65	11.96	0.00	0.15	
TRUCK DRIVER	All	ALL	2	42.85	43.25	1.5	1.5	2.0	2.0	10.65	11.96	0.00	0.15	
TRUCK DRIVER	All	ALL	3	43.05	43.25	1.5	1.5	2.0	2.0	10.65	11.96	0.00	0.15	
TRUCK DRIVER	All	ALL	4	43.25	43.25	1.5	1.5	2.0	2.0	10.65	11.96	0.00	0.15	
TUCKPOINTER	All	BLD		49.53	50.53	1.5	1.5	2.0	2.0	9.04	21.06	0.00	1.07	

Legend

Rg Region
Type Trade Type - All,Highway,Building,Floating,Oil & Chip,Rivers
C Class
Base Base Wage Rate
OT M-F Unless otherwise noted, OT pay is required for any hour greater than 8 worked each day, Mon through Fri. The number

listed is the multiple of the base wage.
OT Sa Overtime pay required for every hour worked on Saturdays
OT Su Overtime pay required for every hour worked on Sundays
OT Hol Overtime pay required for every hour worked on Holidays
H/W Health/Welfare benefit
Vac Vacation
Trng Training
Other Ins Employer hourly cost for any other type(s) of insurance provided for benefit of worker.

Explanations KENDALL COUNTY

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. 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

Construction, installation, maintenance and removal of telecommunication facilities (voice, sound, data and video), telephone, security, and data inside wire, interconnect, terminal equipment, central offices, PABX and equipment, micro waves, V-SAT, bypass, CATV, WAN (wide area network), 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; Welder.

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 ENGINEERS - FLOATING

Diver. Diver Wet Tender, Diver Tender, ROV Pilot, ROV Tender

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".

GENERAL CONDITIONS

1. Contractor Qualifications

The Contractor must be experienced in providing said services to local governments. Submitters that cannot demonstrate successful previous experience in the work of the type in this contract will be considered not responsible and will not be considered for award of the contract.

The Contractor must possess (own or rent) and/or assure the availability of sufficient equipment, meeting the requirements that follow, to successfully pursue the work in this contract.

2. Work Schedule

The Contractor shall complete the work required as soon as practicable. The only exception to this requirement will be extenuating circumstances as may be accepted by the Village. Requests for exceptions due to extenuating circumstances must be made in writing to the Village within 48 hours of the occurrence. The Village's decision on extenuating circumstances will be final.

Subsequent to the award of the contract, at the commencement of weather conducive to providing these services, a notice to proceed shall be issued. The Contractor shall commence work as soon as possible thereafter.

The project must be completed by

Work will not be permitted on Sunday or the following legal holidays:

New Year's Day	Labor Day
Martin Luther King's Birthday	Veteran's Day
President's Day	Thanksgiving Day
Memorial Day	Day after Thanksgiving
Independence Day	Christmas Eve, ½ Day (afternoon)
Christmas Day	

Due to the timing of this project, work shall be prohibited during certain public events in said area. Events specifically affected pertaining to this project will be the PrairieFest, June 15-18, 2023.

3. Customer Service & Private Property

- Respect for the property is very important. The Contractor should consider specialized equipment to minimize property damage.
- The Contractor shall be responsible for defending and satisfying any claims for driveway or sidewalk damage.
    - All driveways or sidewalks in the construction zone should be photographed by the Contractor prior to initiation of work.

- Said photographs will support defense by Contractor against claims for the same.
- Unresolved claims against the Contractor will delay approval of the final payment.

4. **Safety Officer**

- The Contractor shall provide a Safety Officer contact for the Village.
- The Safety Officer shall address all concerns, and communicate resolution to the Village, within a one (1) hour window.

5. **Method of Assignment**

The Village may add, delete, or change the work locations or details of the marking layouts at any time during the work period, with at least two (2) working days prior notice to the Contractor.

6. **Equipment**

All Equipment required to perform the contract is the sole responsibility of the Contractor and should be included in the bid. Multiple mobilizations may be expected and will not be treated like extras.

7. **Traffic Control and Public Safety**

Direction of Operation – When traveling in lanes open to the public traffic, the Contractor's vehicles shall always move with and not against the flow of traffic. These vehicles shall enter and leave work areas in a manner that will not be hazardous to, or interfere with, traffic and shall not park or stop except within designated parking areas.

All equipment shall be maintained in accordance with existing Illinois State Law and shall be supplied with operational amber flashing lights/strobes and have "slow-moving vehicle designators" as required. All vehicles and equipment must be marked to properly identify the Contractor's company, including phone number and must be visible at all times.

A. Manual on Uniform Traffic Control Devices.
B. Regulations of the Department and the Village of Oswego.
C. Other Federal (including OSHA), State or Municipal acts, statutes, rulings, ordinances, decisions or regulations as might apply.
D. All subsequent revisions and supplements to the above documents.
E. The importance of following correct safety procedures is emphasized. The Village reserves the right to disallow payment for any work performed where the proper safety precautions are not followed.
F. The safety of the public and the convenience of traffic shall be regarded as prime importance. Unless otherwise provided herein, all portions of streets shall be kept open to traffic.
G. The Contractor shall take all reasonable precautions for the safety and reasonable protection to all of their employees and other persons and property to prevent damage, injury or loss to the same.

H. Work can be completed during late evening or overnight hours when traffic is minimal.

8. **Bid Bond**

Unless specifically waived, each bid shall be accompanied by a bid security in an amount of ten percent (10%) or such other percentage as stated in the supplementary conditions of the full amount of the bid in the form of a certified or bank cashier's check or bid bond. In a reasonable time after the bid opening, bid deposits of all except the three lowest responsible bidders will be released. The remaining deposits will be released after the successful bidder has entered into the contract and furnished the required insurance and bonds. The bid deposit shall become the property of the Village if the successful bidder within fourteen (14) days from awarding the contract refuses or is unable to comply with the contract requirements, not as a penalty, but as liquidated damages.

9. **Performance and Labor and Material Payment Bonds**

Unless specifically waived or amended, the successful bidder shall furnish at the time of execution of the contract a performance bond for the full amount of the contract to guarantee the completion of any work to be performed by the Contractor under the contract, payment of material used in such work, and for all labor performed in such work including by sub-contractors.

Performance bond satisfactory to the Village must be executed by a Surety Company authorized to do business in the State or otherwise secured in a manner satisfactory to the Village, in an amount equal to 110% of the contract price specified. The surety on the bond shall be a company that is licensed by the Department of Insurance authorizing it to execute surety bonds and the company shall have a financial strength rating of at least A as rated by A.M. Best Company, Inc., Moody's Investors Service, Standard & Poor's Corporation, or a similar rating agency.

In the event that the bidder fails to furnish the bonds within 14 days after notification of the award, then the bid guarantee shall be retained by the Village as liquidated damages and not as a penalty. It is agreed that the sum is a fair estimate of the amount of damages that the Village will sustain due to the bidder's failure to furnish the bonds.

10. **Retainage During Guarantee Period**

Out of the amount representing the total amount due upon completion of work in any month, the Village shall deduct ten percent (10%) and shall hold such sum for a guarantee period which shall expire not less than ninety (90) days after the completion of the last work done in the Contract Work Period of each year.

11. **Billing/Invoicing**

All billing and invoicing will be at the completion of the job with detailed itemized billing. Billing will include the date, the work performed, and the total cost. After receipt of a correct invoice, payments shall be due and owing by the Village in accordance with the terms and provisions of the Local Government Prompt Payment Act, Illinois Compiled Statutes, Ch. 50, Sec. 505, et. seq.

If in the opinion of the Village, the Contractor has not or is not satisfactorily performing the work covered by this specification, and within forty-eight (48) hours of receipt of a written demand from the Village, for performance, has not cured any defect in performance specifically itemized in such demand, the Village may, at its option:

A. Withhold payment.
B. Consider all or any part of this contract breached and terminate the contract, or
C. May hire another Contractor to cure any defects in performance or complete all work covered by this specification for the remaining term of this contract.
D. Any demand for performance shall be specifically delivered to the Contractor by personal delivery, certified or registered mail.

The Village will make periodic inspections and follow up as needed with the Contractor to discuss any issues, etc.

12. **Delivery of Materials**

It shall be the Contractor's responsibility to see that merchandise is delivered within or adjacent to the area of installation repair as specified by the Village.

The work described in this specification shall be done with the least inconvenience. Vehicles must have egress capabilities at all times. The amount of time that normal operations are interrupted must be kept to an absolute minimum and shall be coordinated with the Village.

The Contractor is responsible to protect all existing and newly installed work, materials, equipment, improvements, utilities, structures, and vegetation at all times during the course of this contract. Any property or incidentals damaged during the course of this contract shall be repaired or replaced to the satisfaction of the Village.

13. **Injury to Property**

In case any direct or indirect damage is done to public or private property by or because of the work, or in consequence of any act or omission on the part of the Contractor, his employees or agents, the Contractor shall, at his own cost, restore such property to a condition similar or equal to that existing before such damage was done, by repairing, rebuilding, or otherwise restoring, as may be required by the Village, or shall make good such damage in a satisfactory manner; and in case of failure on the part of the Contractor to promptly so restore or make good such damage, the Village may, upon 48 hours written notice, proceed to repair, rebuild, or otherwise restore such property as may be necessary, and the cost thereof will be deducted from any monies due to become due to the Contractor under the Contract; or the Director of Public Works may deduct from any monies due to the Contractor a sum sufficient, in the judgment of the Village, to reimburse the owners of the property so damaged.

14. **Decisions and Explanations by Village**

The Village shall decide any and all questions which may arise as to the quality and acceptability of materials furnished and work performed and as to the manner of performance and rate of

progress of the work and shall decide all questions which may arise as to the interpretations of any or all plans relating to the work and of the specifications, and all questions, as to the acceptable fulfillment of the Contract on the part of the Contractor; and the Village shall determine the amount and quantity of the several kinds of work performed and materials which are to be paid for under the Contract, and such decision and estimate shall be final and conclusive, and such estimate, in case any questions shall arise, shall be a condition precedent to the right of the Contractor to receive any money due under the Contract. Any doubt as to the meaning of any of the provisions of the specifications, Contracts, or plans will be interpreted by the Village. The decision of the Village will be final.

15. **Maintenance of Traffic**

The purpose of this contract is to provide for the safe and continuous maintenance of traffic through the locations where services are being performed and to minimize accidents and accident severity while at the same time minimizing inconvenience to the traveling public and the Contractor.

All work shall be performed in accordance with IDOT Special Provision for Flaggers in Work Zones (LRS4), if applicable.

Normal rush hour traffic conditions are from 6:30 a.m. to 9:00 a.m., and 3:30 p.m. to 6:30 p.m. on certain high-volume roads. Work performed during these times will be restricted to secondary roads not subject to significant rush hour peaks. The Village shall determine which locations are subject to the above restrictions.

The Contractor shall be solely responsible for all accidents and/or damage to persons and/or property that may result from the Contractor's operations.

INSTRUCTIONS TO BIDDERS

1. **Preparation and Submission of Bids:**
   A. Each bid shall be submitted on the exact form furnished. All blank spaces for bid prices, unit costs and alternates must be filled in using both words and figures if indicated. In case of any discrepancy in the amount Bid, the prices expressed in written words shall govern.
   B. Each Bidder must submit a complete Bid package, including the following items:
      a) **One (1) paper and one (1) electronic copy of the entire bid packet**
      b) **Signed Contract (2 copies)**
      c) **Signed Bid Sheet**
      d) **Detailed Exception Sheet**
      e) **Equipment List**
      f) **Subcontractors List**
      g) **References**
      h) **Signed Contractor Bid Agreement**
      i) **Bid Bond**
   C. Bidders may attach separate sheets to the Bid for the purpose of explanation, exception, alternate Bid and to cover unit prices, if needed.
   D. Bidders may withdraw their Bid either personally or by written request at any time before the hour set for the Bid opening and may resubmit it. No Bid may be withdrawn or modified after the Bid opening except where the award of the contract has been delayed for a period of more than thirty (30) days.
   E. In submitting this Bid, the Bidder further declares that the only person or party interested in the bid as principals are those named herein; and that the Bid is made without collusion with any other person, firm or corporation.
   F. The Bidder further declares that he has carefully examined this entire Bid Package, and he has familiarized himself with all of the local conditions affecting the contract and the detailed requirements of this work and understands that in making the Bid he waives all rights to plead a misunderstanding regarding same.
   G. The Bidder further understands and agrees that if his bid is accepted, he is to furnish and provide all necessary machinery, tools, apparatus, and other means to do all of the work and to furnish all of the materials specified in the contract, except such materials as are to be furnished by the owner (Village), in the manner and at the time therein prescribed, and in accordance with the requirements therein set forth.
   H. The Bidder further agrees that if the Village decides to extend or shorten the work, or otherwise alters it by extras or deductions, including the elimination of one or more of the items, as provided in the specifications, he will perform the work as altered, increased or decreased.
   I. The Bidder further agrees that the Village representative may at any time during the progress of the work covered by this Contract, order other work or materials incidental thereto and that all such work and materials as do not appear in the Bid or contract as a specific item covered by a lump sum price, and which are not included under the Bid price for other items in the Contract, shall be performed as extra work.
   J. The Bidder further agrees to execute all documents within this Bid Package, for this work and present all of these documents to the Village.

K. The Bidder further agrees to execute all documents within this Bid Package, obtain a Certificate of Insurance for this work and present all of these documents within fifteen (15) days after the receipt of the Notice of Award and the Contract.
L. The Bidder further agrees to begin work not later than ten (10) days after receipt of the Notice to Proceed, unless otherwise provided, and to execute the work in such a manner and with sufficient materials, equipment and labor as will ensure its completion within the time limit specified within the Bid, it is understood and agreed that the completion within the time limit is an essential part of the contract.
M. By submitting a Bid, the Bidder understands and agrees that, if his Bid is accepted, and he fails to enter into a contract forthwith, he shall be liable to the Village for any damages the Village may thereby suffer.
N. No Bid will be considered unless the party offering it shall furnish evidence satisfactory to the Village that he has necessary facilities, ability, and pecuniary resources to fulfill the conditions of the Contract.
O. No Bid shall be considered unless the party offering it shall furnish evidence satisfactory to the Village that he has the necessary facilities, ability, and pecuniary resources to fulfill the conditions of the Contract.

2. **Additional Information Request:** Questions regarding this Bid and specific questions regarding the specifications in this Bid can be emailed to Christina Burns, Deputy Village Administrator, Village of Oswego, 100 Parkers Mill, Oswego, IL 60543 or email cburns@oswegoil.org. Answers will be provided in writing to all potential Bidders; No oral comments will be made to any Bidder as to the meaning of the Bid and Specifications or other contract documents. Bidders will not be relieved of obligations due to failure to examine or receive documents, visit the site or become familiar with conditions or facts of which the Bidder should have been aware of, and the Village will reject all claims related thereto.

   Information (other than in the form of a written Addendum issued by the Village) from any officer, agent, or employee of the Village or any other person shall not affect the risks or obligations assumed by the Bidder or relieve him from fulfilling any of the conditions and obligations set forth in the bid and other contract documents. Before the bids are opened, all modifications or additions to the bid documents will be made in the form of a written Addendum issued by the Village. Any Addendum issued will be posted on the Village's website. In the event of a conflict with the original contract documents, addenda shall govern all other contract documents to the extent specified. Subsequent addenda shall govern over prior addenda only to the extent specified.

   The Bidder shall be required to acknowledge receipt of the formal Addendum by signing the Addendum and including it with the bid quotation. Failure of a Bidder to include a signed formal Addendum in its bid quotation shall deem its quotation non-responsive: provided, however, that the Village may waive this requirement if it in its best interest.

3. **Conditions:** The Bidder is responsible for being familiar with all conditions, instructions, and documents governing this project and Bid. Failure to make such investigation and preparations shall not excuse the Contractor from the performance of the duties and obligations imposed under the terms of this contract. The Bidder acknowledges that local ordinance permits the Village to give preference to local businesses.

A. The Village is exempt from Federal excise tax and the Illinois Retailer's Occupation Tax. This Bid cannot include any amounts of money for these taxes.
B. To be valid, the Bids shall be itemized so that selection for purchase may be made, there is included in the price of each unit the cost of delivery (FOB Destination).
C. The Village shall reserve the right to add or to deduct from the Alternate Bid any item at the prices indicated in the itemization of the Bid.
D. All Bids shall be good for thirty (30) days from the date of the Bid opening.
E. Bidders shall be required to comply with all applicable federal, state and local laws, including those relating to the employment of labor without discrimination on the basis of age, race, color handicap, sex, national origin or religious creed and prevailing wages

4. **Award of Bid:** The Village reserves the right to reject any or all Bids or packages and to waive any informality or technical error and to accept any bid deemed most favorable to the interests of the organization.
   A. The items of work not specifically mentioned in the Schedule which are necessary and required to complete the work intended shall be done incidentally to and as part of the items of work for which a unit price is given. No additional payment will be made for such incidental work. The Bidder shall be responsible for identifying all costs to complete the project on time and in order to create a functional and operational system in accordance with the Plans and Specifications.
   B. The Village has the sole discretion to award the alternate bid based upon the best interest of the Village.
   C. All awards made in accordance with this Code are final determinations.
   D. The Contract shall be deemed as have been awarded when formal notice of award shall have been duly served upon the intended awardee.
   E. In addition to price, the Village will consider:
      - Ability, capacity, and skill to fulfill the contract as specified.
      - Ability to supply the commodities, provide the services or complete the construction promptly, or within the time specified, without delay or interference.
      - Character, integrity, reputation, judgment, experience, and efficiency.
      - Quality of performance on previous contracts.
      - Previous and existing compliance with laws and ordinances relating to the contract.
      - Sufficiency of financial resources.
      - Quality, availability, and adaptability of the commodities, services or construction, in relation to the Village's requirements.
      - Ability to provide future maintenance and service under the contract.
      - Number and scope of conditions attached to the Bid /bid.
      - Record of payments for taxes, licenses or other monies due to the Village.

5. **Rejection of Bids:**
   A. The Village reserves the right to cancel invitations for Bids or requests for bids without penalty when it is in the best interest of the Village. Notice of cancellation shall be sent to all individuals or entities solicited.
   B. The Village reserves the right to reject any or all Bids, to waive any minor informality or irregularity in any Bid, to negotiate changes and/or modifications with the lowest

responsible Bidder and to make an award to the response deemed to be the most advantageous to the Village.

C. Any Bid not conforming to the specifications or requirements set forth by the Village in the Bid request may be rejected.
D. Bids may also be rejected if they are made by a Bidder that is deemed un-responsible due to a lack of qualifications, capacity, skill, character, experience, reliability, financial stability or quality of services, supplies, materials, equipment or labor.

6. **Equal Opportunity:** The Bidder will not discriminate against any employee or applicant for employment because of race, color, religion, sex, ancestry, national origin, place of birth, age or handicap unrelated to bona fide occupational qualifications.

7. **Non-Discrimination:** The Bidder, its employees, and subcontractors agree not to commit unlawful discrimination and agree to comply with applicable provisions of the Illinois Human Rights Act, the U.S. Civil Rights Act and Section 504 of the Federal Rehabilitation Act, and rules applicable to each.

8. **Execution of Documents:** The Bidder, in signing the Bid on the whole or any portion of the work, shall conform to the following requirements:
   A. Bids signed by an individual other than the individual represented in the bid documents shall have attached thereto a power of attorney evidencing authority to sign the Bid in the name of the person for whom it is signed.
   B. Bids that are signed for a partnership shall be signed by all of the partners or by an attorney-in-fact. If signed by an attorney-in-fact, there shall be attached to the Bid a power of attorney evidencing authority to sign the Bid, executed by the partners.
   C. Bids that are signed for a corporation shall have the correct corporate name thereof and the signature of the President or other authorized officer of the corporation manually written below the corporate name.
   D. If such Bid is manually signed by an official other than the President of the Corporation, a certified copy of a resolution of the board of directors evidencing the authority of such official to sign the Bid should be attached to it. Such Bid shall also bear the attesting signature of the Secretary of the corporation and the impression of the corporate seal. If the Bid is signed for a limited liability company, it should have the correct legal name and be signed by the managing member or another person with authority.
   E. Bids received from any listed Contractor in response to an invitation for bids shall be entered on the abstract of Bids and rejected. Bids, quotations, or offers received from any listed Contractor shall not be evaluated for the award or included in the competitive range, nor shall discussions be conducted with a listed offer or during a period of ineligibility. If the period of ineligibility expires or is terminated prior to award, the village may, but is not required to, consider such bids, quotations, or offers.

CONTRACT

This contract is entered into this _____ day of _____ 2023, by and between the Village of Oswego (Village) and _____(Contractor).

The entire Bid package together with all Exhibits and attachments and the following sections apply to all bids requested and accepted by the Village and become a part of the contract unless otherwise specified. The Village assumes that submission of a bid means that the person submitting the bid has familiarized himself with all conditions and intends to comply with them unless noted otherwise.

1. **Definitions:** The definitions set forth in the Bid Packet are incorporated herein.

2. **Conditions:** The Contractor is responsible for being familiar with all conditions, instructions, warranties, and documents governing this project and Bid. Failure to make such investigation and preparations shall not excuse the Contractor from the performance of the duties and obligations imposed under the terms of this contract.

3. **Retainage During Guarantee Period:** Out of the amount representing the total amount due upon completion of work in any month, the Village shall deduct ten percent (10%) and shall hold such sum for a guarantee period which shall expire not less than ninety (90) days after the completion of the last work done in the Contract Work Period of each year.

4. **Billing/Invoicing:** All billing and invoicing will be at the completion of the job with detailed itemized billing. Billing will include the date, the work performed, and the total cost. After receipt of a correct invoice, payments shall be due and owing by the Village in accordance with the terms and provisions of the Local Government Prompt Payment Act, Illinois Compiled Statutes, Ch. 50, Sec. 505, et. seq.

   If in the opinion of the Village, the Contractor has not or is not satisfactorily performing the work covered by this specification, and within forty-eight (48) hours of receipt of a written demand from the Village, for performance, has not cured any defect in performance specifically itemized in such demand, the Village may, at its option:

   A. Withhold payment.
   B. Consider all or any part of this contract breached and terminate the Contractor, or
   C. May hire another Contractor to cure any defects in performance or complete all work covered by this specification for the remaining term of this contract.
   D. Any demand for performance shall be specifically delivered to the Contractor by personal delivery, certified or registered mail.

   The Village will make periodic inspections and follow up as needed with the Contractor to discuss any issues, etc.

5. **Insurance and Bond Requirements:** Contractor shall procure and maintain for the duration of the Agreement insurance against claims for injuries to persons, damages to property, and/or

other applicable damages that may arise in connection with the performance of work and/or services under this Agreement as follows:

A. Minimum Scope of Insurance – The insurance coverage to be procured and maintained by Contractors shall be at least as broad as the following:
    i. Commercial General Liability Insurance. Commercial general liability insurance with minimum coverage amounts of $2,000,000 general aggregate; $2,000,000 products-completed operations aggregate; and $1,000,000 each occurrence for bodily injuries, death, and property damage, and personal injury resulting from any one occurrence, including the following endorsements, coverages, and/or conditions:
        1. Shall name the Village as an additional insured in accordance with the obligations and conditions set forth below.
        2. Blanket contractual liability coverage, to the extent permitted under Illinois law, including, but not limited to, Contractor's contractual indemnity obligations under the Agreement.
        3. Premises-Operations and Independent Contractors.
        4. Broad form property damage coverage.
        5. Personal injury coverage.
        6. Must be endorsed as Primary and Non-Contributory as to any other insurance of the Additional Insureds.
        7. If the Additional Insureds have other insurance that is applicable to the loss, such other insurance shall be on an excess or contingent basis to any Subcontractor's policy.
    ii. Comprehensive Automobile Liability Insurance. Comprehensive automobile liability insurance with minimum coverage amounts of $1,000,000 any one accident for bodily injuries, death, and property damage resulting from any one occurrence, including all owned, hired, and non-owned vehicles.
    iii. Workers' Compensation and Employers Liability Insurance. Statutory Workers' Compensation coverage complying with the law of the State of Illinois and Employers' Liability Insurance with minimum limits at $1,000,000 each accident, including occupational disease coverage with a limit of $1,000,000 per employee, subject to policy minimum limit of $1,000,000 per annum.
    iv. Umbrella / Excess Liability Insurance Umbrella / Excess Liability Insurance. Umbrella or excess liability insurance is written over the underlying employer's liability, commercial general liability, and automobile liability insurance described above with minimum coverage amounts of $2,000,000 per occurrence and $2,000,000 general aggregate, with coverage at least as broad as the underlying policies.
    v. Professional Liability Insurance. Contractor shall procure and maintain professional liability insurance coverage: Each Occurrence: $1,000,000.00. Such professional liability coverage shall be maintained for at least two years after completion of work and/or services under the Agreement. Evidence of such insurance shall be provided upon request from the Village during this two-year period.

B. Deductibles and Self-Insured Retentions - Any deductibles or self-insured retentions must be declared to and approved by the Village. At the option of the Village, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the Village, its officials, employees, agents, and volunteers; or the Contractor shall procure a bond guaranteeing payment of losses and related investigation, claim administration and defense expenses.

C. Contractor's Obligations - The Contractor shall have the following obligations with regard to required insurance under the Agreement:
    i. The insurance policies required under this Agreement shall be endorsed to contain the following provisions: the Village and its officers, officials, employees, agents, and volunteers are to be covered as additional insureds on each of the policies with respect to liability arising out of ongoing and completed operations performed by or on behalf of the Contractor, including materials, parts, or equipment furnished in connection with such work or operations and automobiles, owned, leased, hired or borrowed by or on behalf of the Contractor. General liability coverage shall be provided in the form of an endorsement to Contractor's insurance at least as broad as ISO Form CG 20 10 11 85, or if not available, through both ISO Form CG 20 10, or CG 20 26, or CG 20 33; and CG 2037; 10 01 Edition date. All additional insured coverage shall be for both ongoing and completed operations.
    ii. The Contractor shall provide evidence of the required insurance coverages under this Agreement by providing a copy of the actual policy/policies, endorsement(s) and certificates of insurance evidencing such coverages. All certificates of insurance required to be obtained by the Contractor shall provide that coverages under the policies named shall not be canceled, modified, reduced or allowed to expire without at least thirty (30) days prior written notice given to the Village. All certificates evidencing coverage extended beyond the date of final payment shall be provided at the time of the final Pay Request.
    iii. The Contractor shall provide immediate notice to the Village upon the cancelation of any insurance policy or policies required hereunder.
    iv. All insurance required of the Contractor shall state that it is Primary and Non-Contributory Insurance as to all additional insureds with respect to all claims arising out of operations by or on their behalf. If the Village has other applicable insurance coverages, those coverages shall be regarded as excess over the additional insured coverage. Contractor shall, with respect to all insurance required under this Agreement, endorse or require each policy to waive any and all rights of subrogation for losses and or damages arising from the work and/or services provided by the Contractor against the Village or other Additional Insured except where not permissible by law.
    v. The Contractor shall require that every Subcontractor of any tier working on the Project associated with this Agreement to obtain insurance of the same types and amounts as that required of Contractor, naming the same as additional insureds subject to the same restrictions and obligations as set forth in the Contractor's insurance required under the Agreement, including waivers of subrogation in favor of the Village.

vi. Under no circumstances shall the Village be deemed to have waived any of the insurance requirements of this agreement by any act or omission, including, but not limited to:
    1. Allowing work by the Contractor or any Subcontractor of any tier to start before receipt of the required insurance policy, endorsement, and/or certificates of insurance; or
    2. Failure to examine, or to demand the correction of any deficiency, of any insurance policy, endorsement, and/or certificate of insurance received.

vii. The Contractor agrees that the obligation to provide insurance is solely the responsibility of the Contractor and the Subcontractors of any tier and cannot be waived by any act or omission of the Village.

viii. The purchase of insurance by the Contractor under this Agreement shall not be deemed to limit the liability of the Contractor in any way, for damages suffered by the Village in excess of policy limits or not covered by the policies purchased by the Contractor.

ix. The Contractor shall notify the Village, in writing, of any possible or potential claim for personal injury or property damage arising out of the work and/or services of this Agreement promptly whenever the occurrence giving rise to such a potential claim becomes known to the Contractor.

x. The Contractor further agrees to cause contractual liability endorsements to be issued by the insurance companies and attached to the above-mentioned policies to include under the coverage therein an extended obligation on the part of the insurers to insure against Contractor's contractual liability hereunder and to indemnify the Village and its agents against loss, liability, costs, expenses, attorneys' fees, and court costs, and further agrees that said coverage shall be afforded therein against all claims arising out of the operation of any structural work law or law imposing liability arising out of the use of scaffolds, hoists, cranes, stays, ladders, supports or other mechanical contrivances.

xi. All insurance and performance and payment bonds required hereunder shall be placed with an insurer or insurers authorized to conduct business in the State of Illinois with a current A.M. Best's rating of no less than A, unless otherwise acceptable to the Village.

6. **Indemnification:** To the fullest extent permitted by Illinois law, Contractor shall indemnify, defend, save and hold the Village, their trustees, officers, employees, agents, attorneys and lenders harmless from and against all claims, damages, losses, and expenses, including but not limited to attorneys' fees, arising out of or resulting from performance of the work and/or services under the Agreement, provided that such claim, damage, loss, or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself), but only to the extent caused by the negligent acts or omissions of the Contractor, anyone directly or indirectly employed by Contractor, or anyone for whose acts Contractor may be liable, regardless of whether or not such claim, damage, loss, or expense is caused in part by a party indemnified hereunder. Such obligation shall not be construed to negate, abridge, or reduce other rights or obligations of indemnity that would otherwise exist as to a party or person described in this Section.

4. **Force Majeure:** Whenever a period of time is provided for in this Agreement for the Contractor or the Village to do or perform any act or obligation, neither party shall be liable for any delays or inability to perform if such delay is due to a cause beyond its control and without its fault or negligence including, without limitation: a) Acts of nature; b) Acts or failure to act on the part of any governmental authority other than the Village or Contractor, including, but not limited to, enactment of laws, rules, regulations, codes or ordinances subsequent to the date of this Agreement; c) Acts or war; d) Acts of civil or military authority; e) Embargoes; f) Work stoppages, strikes, lockouts, or labor disputes; g) Public disorders, civil violence, or disobedience; h) Riots, blockades, sabotage, insurrection, or rebellion; i) Epidemics or pandemics; j) Terrorist acts; k) Fires or explosions; l) Nuclear accidents; m) Earthquakes, floods, hurricanes, tornadoes, or other similar calamities; n) Major environmental disturbances; or o) Vandalism. If a delay is caused by any of the force majeure circumstances set forth above, the time period shall be extended for only the actual amount of time said the party is so delayed. Further, either party claiming a delay due to an event of force majeure shall give the other party written notice of such event within three (3) business days of its occurrence, or it shall be deemed to be waived.

5. **Liquidated Damages:** Time is of the essence of the contract. Should the Contractor fail to complete the work within the specified time stipulated in the contract or within such extended time as may have been allowed, the Contractor shall be liable and shall pay to the Village the amount of $750.00, not as a penalty but as liquidated damages, for each day of overrun in the contract time or such extended time as may have been allowed. The liquidated damages for failure to complete the contract on time are approximate, due to the impracticality of calculating and proving actual delay costs. These deductions are for the cost of delay to account for administration, engineering, inspection, supervision, and other costs and expenses during periods of extended and delayed performance. The costs of delay represented by this schedule are understood to be a fair and reasonable estimate of the costs that will be borne by the Village during an extended and delayed performance by the Contractor of the work.

6. **Contract Term:** The term shall commence upon signing of the contract and shall expire on completion of work with acceptance and project close out with the Village.

   Base Bid Complete Date:
   - November 1, 2023 – Subject to change based on Village award and scheduling with the awarded Contractor.
   - Contractor would not be able to start construction prior to May 1st, 2023 based on Village fiscal year budgeting.

7. **Change Orders:** After the contract is awarded, additional purchases or modifications may be made under the contract, or the terms of the contract may be extended, without rebidding the materials, supplies, services or equipment involved, provided that the change order:
   A. Is not of such a size or nature as to undermine the integrity of the original Bidding process; and
   B. Is germane to the original contract; and
   C. Does not exceed twenty percent (20%) of the contracted amount; and
   D. It is approved by the Board of Trustees or by the Village Administrator, or his/her designee for change orders that are not greater than twenty-five thousand dollars ($25,000.00).

8. **Compliance with Laws and Regulations:** In addition to the Bid and performance bonds set forth above, the Contractor must furnish and pay for satisfactory any other security required by law or by the specifications for this particular project. Upon receipt of the performance bond, the Village will return the Bid bond to the Contractor.
   A. The Contractor must comply with all applicable laws prerequisite to doing business in the state.
   B. The Contractor must have a valid Federal Employer Tax Identification Number or Tax Identification Number (for individuals).
   C. The Contractor must provide a Statement of Compliance with provisions of the State and Federal Equal Opportunity Employer requirements.
   D. The Contractor must provide evidence of any professional or trade license required by law or local ordinance for any trade or specialty area in which the Contractor is seeking a contract award. Additionally, the Contractor must disclose any suspension or revocation of such license held by the company, or of any director, officer or manager of the company. Any material changes to the Contractor's status, at any time, must be reported in writing to the Village within 14 days of its occurrence. Failure to comply with this requirement is grounds for the Contractor to be deemed non-responsible.

9. **Independent Contractor:** There is no employee/employer relationship between the Contractor and the Village. Contractor is an Independent Contractor and not the Village's employee for all purposes, including, but not limited to, the application of the Fair Labors Standards Act minimum wage and overtime payments, Federal Insurance Contribution Act, the Social Security Act, the Federal Unemployment Tax Act, the Worker's Compensation Act (820 ILCS 305/1, et *seq.*). The Village will not (i) provide any form of insurance coverage, including but not limited to health, worker's compensation, professional liability insurance, or other employee benefits, or (ii) deduct any taxes or related items from the monies paid to Contractor. The performance of the services described herein shall not be construed as creating any joint employment relationship between the Contractor and the Village, and the Village is not and will not be liable for any obligations incurred by the Contractor, including but not limited to unpaid minimum wages and/or overtime premiums, nor does there exist an agency relationship or partnership between the Village and the Contractor.

10. **Approval and Use of Subcontractors:** The Contractor shall perform the Services with its own personnel and under the management, supervision, and control of its own organization unless otherwise approved by the Village in writing. All subcontractors and subcontracts used by the Contractor shall be at the discretion of the Village and in advance by the Village. The Village's approval of any subcontractor or subcontract shall not relieve the Contractor of full responsibility and liability for the provision, performance, and completion of the Work in full compliance with, and as required by or pursuant to, this Contract. If the Contractor chooses to use subcontractors to perform any of the Work, the Work performed under any subcontract shall be subject to all of the provisions of this Contract in the same manner as if performed by employees of the Contractor. Every reference in this Contract to "Contractor" shall be deemed to also apply to all subcontractors of the Contractor. Every subcontract entered into by the Contractor to provide the Work, or any part thereof shall include a provision binding the subcontractor to all provisions of this Contract.

If any personnel or subcontractor fails to perform the part of the Work undertaken by it in a manner satisfactory to the Village, the Contractor shall immediately upon notice from the Village remove and replace such personnel or subcontractor. The Village shall have no claim for damages, for compensation in excess of the contract price, or for a delay or extension of the contract time as a result of any such removal or replacement.

11. **Assignment:** Neither the Village nor the Contractor shall assign or transfer any rights or obligations under this Agreement without the prior written consent of the other party.

12. **Governing Law:** This Contract and the rights of Owner and Contractor under this Contract shall be interpreted according to the internal laws of the State of Illinois. The venue for any action related to this Contract will be in the Circuit Court of Kendall County, Illinois.

13. **Changes in Law:** Unless otherwise explicitly provided in this Contract, any reference to laws shall include such laws as they may be amended or modified from time to time.

14. **Time:** The Contract Time is of the essence of this Contract. Except where otherwise stated, references in this Contract to days shall be construed to refer to calendar days.

15. **Termination:** The Village shall have the right at any time and for any reason (without any penalty) to terminate, in whole or in part, this Contract, provided that the Village shall provide Contractor at least thirty (30) days' prior written notice of such termination whereupon this Agreement shall automatically terminate immediately after the 31st day.
    A. When this contract, or any portion hereof, is terminated or canceled by the Village, and the Contractor released before all items of work included in this contract has been completed, payment may be made be prorated as a percentage of completion of the actual work at contract unit prices, and no claims for loss of anticipated profits or other damages will be made and are hereby waived.
    B. Termination of a contract, as stated above, will not relieve the Contractor or his/her surety of the responsibility of replacing defective work or materials.

16. **Piggybacking Clause:** This contract may be used to purchase supplies, equipment or perform any work on facilities or properties under the jurisdiction of the Village of Oswego including, but not limited to, interior and exterior building renovations and repairs, site work, electrical, plumbing, HVAC, concrete, masonry, maintenance of bridges, roofing replacement and/or repairs, streetscape repairs and improvements to Village sites. This Contract may also be used as a joint purchase agreement between the Village, Oswego Community School District 308, Oswegoland Park District, Oswego Library District, Oswego Township, Oswego Fire Protection District, as well as any other agencies at the discretion of the Village.

17. **Additional Items:** The Contractor hereby**:**
    A. Certifies that it is not barred from Bidding or contracting with the Village as a result of a violation of either Paragraph 33E-3 (Bid rigging) or 33E-4 (Bid rotating) of Act 5, Chapter 720 of the Illinois Compiled Statutes regarding criminal interference with public contracting; and

B. Swears under oath that it is not delinquent in the payment of any tax administered by the Illinois Department of Revenue as required by Chapter 65, Act 5, paragraph 11-42.1 of the Illinois Compiled Statutes; and
C. States that is has a written sexual harassment policy as required by the Illinois Human Rights Act (775 ILCS 5/2-105(A) (4) a copy of which shall be provided to the Village upon request; and
D. Agrees to comply with the requirements of the Illinois Human Rights Act regarding Equal Employment Opportunities as required by Section 2-105 of the Illinois Human Rights Act (775 ILCS 5/2-105) and agrees to comply with the Equal Employment Opportunity Clause, Section 750, Part 750, Chapter X, Subtitle B of Title 44 of the Illinois Administrative Code incorporated herein by reference; and
E. Agrees to comply with the civil rights standards set forth in Title VII of the Civil Rights Act as mandated in Executive Order No. 11246, U.S.C.A. Section 2000e n.114 (September 24, 1965); and
F. Agrees to comply with the Substance Abuse Prevention on Public Works Projects Act (820 ILCS 265/1 et seq.) if this project is a "public work" within the meaning of the Illinois Prevailing Wage Act (820 ILCS 130/.01 et seq.) and prohibit substance abuse while performing such work and has a substance abuse prevention program; and
G. Agrees to provide a drug-free workplace pursuant to the Drug-Free Workplace Act (30 ILCS 580/1 et seq.) (25 or more employees under a contract of more than $5,000 or for individuals only when greater than $5,000); and
H. Agrees to comply with the Employment of Illinois Workers on Public Works Act (30 ILCS 570/0.01 et seq.) and employ Illinois laborers if at the time of this contract is executed or if during the term of this contract there is excessive unemployment in Illinois as defined in the Act.

CONTRACT SIGNATURES

IN WITNESS WHEREOF the parties hereto have executed or caused to be executed by their duly authorized agents, this contract in DUPLICATE, each of which shall be deemed original, on the day and year first written.

VILLAGE OF OSWEGO:

By: _____
Village President

Attest:

_____
Village Clerk

CONTRACTOR:

By: _____
Signature

Witness:

_____
Print Name and Title

_____
Witness

CONTRACT SIGNATURES

IN WITNESS WHEREOF the parties hereto have executed or caused to be executed by their duly authorized agents, this contract in DUPLICATE, each of which shall be deemed original, on the day and year first written.

VILLAGE OF OSWEGO:

By: _____
Village President

Attest:

_____
Village Clerk

CONTRACTOR:

By: _____
Signature

Witness:

_____
Print Name and Title

_____
Witness

BID COST SHEET

The undersigned, having examined the specifications, and all conditions affecting the specified project, offer to furnish all services, labor, and incidentals specified for the price below.

PROJECT NAME: PLAINFIELD RD AND WOOLLEY RD - WATER MAIN EXTENSION						
BASE BID PAY ITEMS						
1.00	**PAY ITEM**	**EARTHWORK & EROSION CONTROL**	**UNITS**	**QNTY**	**UNIT COST**	**COST**
1.01	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	10	$	$
1.02	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	416	$	$
1.03	25000110	SEEDING, CLASS 1A	ACRE	0.09	$	$
1.04	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	8	$	$
1.05	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	8	$	$
1.06	25100115	MULCH, METHOD 2	ACRE	0.09	$	$
1.07	28000400	PERIMETER EROSION BARRIER	FOOT	350	$	$
1.08	28000500	INLET AND PIPE PROTECTION	EACH	5	$	$
1.00		**EARTHWORK & EROSION CONTROL**			**Sub-Total**	**$**
2.00	**PAY ITEM**	**WATERMAIN**	**UNITS**	**QNTY**	**UNIT COST**	**COST**
2.01	56101120	WATER MAIN, 24” MIN. (CASING PIPE)	FOOT	87	$	$
2.02	56103300	DUCTILE IRON WATER MAIN 12"	FOOT	324	$	$
2.03	56105200	WATER VALVES 12"	EACH	1	$	$
2.04	60249000	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	$	$
2.05	X0325379	TRENCHLESS PIPE INSTALLATION	FOOT	93	$	$
2.06	X5630712	CONNECTION TO EXISTING WATER MAIN 12"	EACH	2	$	$
2.07	X0324930	DUCTILE IRON SLEEVE, 12"	EACH	2	$	$
2.00		**WATERMAIN**			**Sub-Total**	**$**
3.00	**PAY ITEM**	**MISCELLANEOUS**	**UNITS**	**QNTY**	**UNIT COST**	**COST**
3.01	67100100	MOBILIZATION	L SUM	1	$	$
3.02	X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	20	$	$
3.03	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	$	$
3.04	XXXXXX15	MISCELLANEOUS ADDITIONS AT THE VILLAGE'S DIRECTION	L SUM	1	$10,000.00	$10,000.00
3.00		**MISCELLANEOUS**			**Sub-Total**	**$**

BASE BID SUMMARY (SUB-TOTAL OF EACH SECTION FROM ABOVE)					
1.00		**EARTHWORK & EROSION CONTROL**			**$**
2.00		**WATERMAIN**			**$**
3.00		**MISCELLANEOUS**			**$**
BASE BID TOTAL COST					**$**
BASE BID TOTAL COST IN WORDS					

_____

_____

Signature of Authorized Representative *Date*

DETAIL EXCEPTION SHEET

Any exception must be clearly noted on this sheet. Failure to do so may be the reason for rejection of the bid. It is not our intention to prohibit any potential Contractor from bidding by virtue of the specifications, but to describe the material(s) and service(s) actually required.

The Village reserves the right to accept or reject any or all exceptions.

Contractor's exceptions are:

EQUIPMENT LIST

Name	Make	Model	Year	Use

SUBCONTRACTOR LISTING

Provide the name, contact information, and value of work for each and every subcontractor which will be employed on this project.

Subcontractor No. 1

Business Name

Address *Village, State, Zip Code*

Contact Person *Telephone Number*

Value of Work *Nature of Work*

Subcontractor No. 2

Business Name

Address *Village, State, Zip Code*

Contact Person *Telephone Number*

Value of Work *Nature of Work*

Subcontractor No. 3

Business Name

Address *Village, State, Zip Code*

Contact Person *Telephone Number*

Value of Work *Nature of Work*

REFERENCES

Enter below current business references for whom you have performed work similar to that required by this bid.

Reference No. 1

Business Name

Address *Village, State, Zip Code*

Contact Person *Telephone Number*

Dates of Service *Nature of Work*

Reference No. 2

Business Name

Address *Village, State, Zip Code*

Contact Person *Telephone Number*

Dates of Service *Nature of Work*

Reference No. 3

Business Name

Address *Village, State, Zip Code*

Contact Person *Telephone Number*

Dates of Service *Nature of Work*

FINAL ENGINEERING PLANS FOR:

PLAINFIELD RD. AND WOOLLEY RD. WATER MAIN EXTENSION VILLAGE OF OSWEGO

KENDALL COUNTY, ILLINOIS

FOR INDEX OF SHEETS, SEE SHEET NO. 02
FOR BENCHMARK INFORMATION, SEE SHEET NO. 02

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
811 OR 1-800-892-0123

Dial 811 or 1-800-892-0123
Know what's below. Call before you dig.

WITH THE FOLLOWING:
COUNTY KENDALL COUNTY
CITY–TOWNSHIP OSWEGO–OSWEGO TOWNSHIP
SEC. & 1/4 SEC. NO.# 20–37 N.–8E.

(2) Working Days before you dig
(Excluding Sat., Sun. & Holidays)

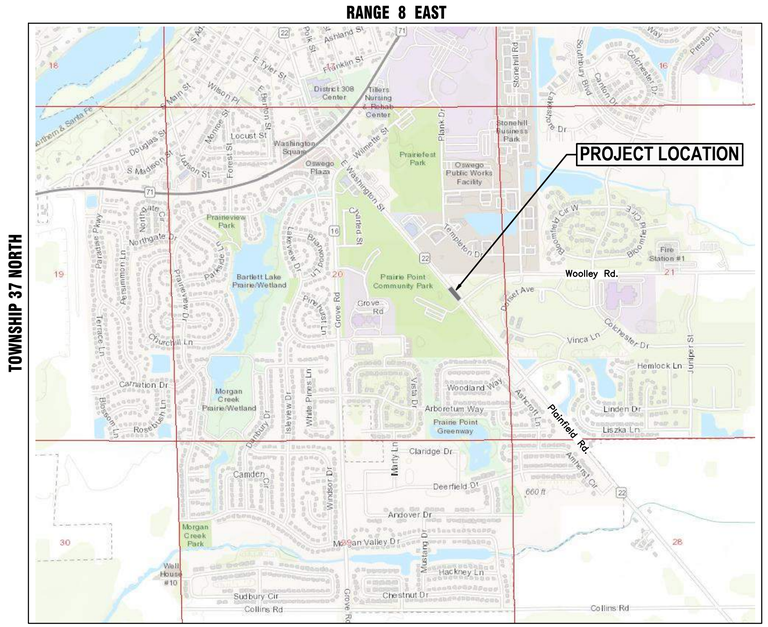
ENGINEER/SURVEYOR:

HR GREEN, INC
2363 SEQUOIA DRIVE, SUITE 101 | AURORA, IL 60506

PROJECT MANAGER: DAVID W. SCHULTZ, P.E., (630) 708-5002

PROJECT SURVEYOR: M. DOBROSAVLIEVIC, P.L.S. (815) 320-7118

RANGE 8 EAST



KENDALL COUNTY- OSWEGO TOWNSHIP
THIRD PRINCIPAL MERIDIAN

PROJECT LOCATION MAP
SCALE: N.T.S.

LOCATION OF SECTION INDICATED THUS: -

VILLAGE OF OSWEGO

APPROVED _____ **20** _____

_____
VILLAGE OF OSWEGO

DAVID W. SCHULTZ
062–057616
REGISTERED PROFESSIONAL ENGINEER
OF
ILLINOIS
EXP. 11/30/2023
SEAL

DAVID W. SCHULTZ, P.E.
EXPIRES: NOVEMBER 30, 2023

PLAN STATUS

DATE	TITLE
9/28/2022	30% SUBMITTAL TO VILLAGE
3/2/2023	PRE-FINAL SUBMITTAL TO VILLAGE
3/16/2023	FOR BID AND IEPA PERMIT

PLANS PREPARED FOR:

JENNIFER HUGHES, PE, CFM
DIRECTOR OF PUBLIC WORKS/VILLAGE ENGINEER
VILLAGE OF OSWEGO
DEPARTMENT OF PUBLIC WORKS
100 PARKERS MILL
OSWEGO, IL 60543
PHONE: 630–554–3618

PROJECT LOCATED IN THE VILLAGE OF OSWEGO

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VILLAGE OF OSWEGO
PLAINFIELD RD. AND WOOLLEY RD.
WATER MAIN EXTENSION

COVER SHEET
SCALE: N.T.S. | SHEET NO. 01 OF 01 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
____	_____	KENDALL	16	01
		CONTRACT NO. _____		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

UTILITY CONTACTS

No.	Utility Owner	Utility Company Reference Number	Contact(s)	Telephone	Email	Address
1	Village of Oswego		Jennifer Hughes, PE, CFM Director Of Public Works/Village Engineer	630-554-3242	JHughes@oswegoil.org	100 Parkers Mill Oswego, IL 60543
	Village of Oswego		Kerry K. Behr, PE, CFM Public Works, Project Engineer	630-551-2161/630-219-8033	kbehr@oswegoil.org	100 Parkers Mill Oswego, IL 60543
	Village of Oswego		Zach Jardine, Public Works Utility Operations Supervisor	PW Dept: 630-554-3242 Office: 630-551-2178	Zjardine@oswegoil.org	100 Theodore Dr. Oswego, IL 60543
2	AT&T		Att/Distribution	000-000-0000	g11629@att.com	1000 Commerce Drive, Floor 1 Oak Brook, Illinois 60523
			Janet Ahern	JA:630-573-6414	ja1763@ att.com	1000 Commerce Drive, Floor 1 Oak Brook, Illinois 60523
			Carl Donahue	630-573-6414		866 Rock Creek Rd. Plano, IL 60545
			JMC Engineers and Associates, Inc Rich Meyers	815-265-4056		201 S. Crescent St. Gilman, IL 60938
3	AT&T (Transmission)		Kenneth Colwell	630-383-9249	KC1298@ATT.COM	
4	Comcast		Martha Gieras	224-229-5862	Martha_Gieras@Comcast.Com	Comcast Cable Services 680 Industrial Drive Elmhurst, Illinois 60126
	Comcast		Robert Stroll	630-600-6213		688 Industrial Dr. Elmhurst, IL 60126
5	ComEd		Design Stage Locate Line	630-576-7094		
	ComEd	_____ - (Oswego)	Pete kratzer	630-424-5704		1N423 Swift Rd Lombard, IL 60148
6	Nicor		Utility Consultant Go3w	630-388-2362	gasmaps@aglresources.com	
		#SC_____	Charles M. "Chip" Parrott, PE	708-243-5317	gasmaps@aglresources.com	1844 Ferry Rd. Naperville, IL 60563
7	Fox Metro Water Reclam.Dist		Keith Zollers	630-301-6810	kzollers@foxmetro.org	1135 S. Lake St Montgomery, IL 60538
	Fox Metro Water Reclam.Dist		Michael Frankino	630-301-6805	mfrankino@foxmetro.org	1135 S. Lake St Montgomery, IL 60538
8	Metro Fibernet, LLC		Korie Nellis	812-213-1378	Korie.Nellis@Metronetinc.Com	
9	Midwest Fiber Networks, LLC		Richard Trgovec	414-459-3554	rtrgovec@midwestfibernetworks.com	6070 North Filnt Rd Glendale, WI 53209
	Midwest Fiber Networks, LLC		Patrick Graham	414-672-5612		6070 North Filnt Rd Glendale, WI 53209
10	USIC		Frank Costanzo	630-396-8224	illinoisdamage@usicllc.com	860 Oak Creek Dr Lombard, IL 60148

INDEX OF SHEETS

SITE BENCHMARKS:

DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

SOURCE BENCHMARK:
ELEVATIONS REFERENCED HEREON WERE ESTABLISHED UTILIZING THE TRIMBLE VRS NOW NETWORK AND REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88 – GEOID 12A)

SITE BENCHMARK #1
SOUTH "BURY" BOLT ON FIRE HYDRANT ON THE SOUTHWESTERLY SIDE OF PLAINFIELD ROAD, APPROXIMATELY 290 FEET NORTHWESTERLY OF THE CENTERLINE OF WOLLEY ROAD.
ELEVATION: 659.30 (NAVD 88)

SITE BENCHMARK #2
RAILROAD SPIKE SET IN THE NORTHWESTERLY SIDE OF A UTILITY POLE LOCATED ON THE NORTHEASTERLY SIDE OF PLAINFIELD ROAD, APPROXIMATELY 107 FEET NORTHWESTERLY OF THE CENTERLINE WOLLEY ROAD.
ELEVATION: 660.55 (NAVD 88)

SITE BENCHMARK #3
"ARROW" BOLT ON THE FIRE HYDRANT LOCATED AT THE NORTHERLY QUADRANT OF THE INTERSECTION OF PLAINFIELD ROAD AND WOOLEY ROAD, APPROXIMATELY 63 FEET NORTHEASTERLY OF THE CENTERLINE OF PLAINFIELD ROAD AND 56 FEET NORTHWESTERLY OF THE CENTERLINE OF WOLLEY ROAD.
ELEVATION: 659.90 (NAVD 88)

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VILLAGE OF OSWEGO
PLAINFIELD RD. AND WOOLLEY RD.
WATER MAIN EXTENSION

INDEX OF SHEETS AND UTILTIY CONTACTS

SCALE: N.T.S. | SHEET NO. 01 OF 01 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
____	_____	KENDALL	16	02
		CONTRACT NO. _____		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

SYMBOL LEGEND

	EXISTING	PROPOSED
SANITARY MANHOLE		
STORM MANHOLE		
STORM CATCH BASIN/INLET		
INLET		
FLARED END SECTION		
VALVE VAULT		
WATER SERVICE VALVE		
WATER B–BOX		
INDICATES WATER MAIN LINE STOP		
INDICATES PRESSURE VALVE INSERT		
CUT AND CAP		
FIRE HYDRANT WITH AUXILIARY VALVE		
LIGHT POLE		
REGULATORY SIGN		
UTILITY POLE		
UTILITY BOX	GAS ELEC CATV	GAS ELEC CATV
MAILBOX		
WELL	W	
SANITARY SEWER		
STORM SEWER		
COMBINATION STORM AND SANITARY SEWER		
CULVERT		
PERFORATED UNDERDRAIN		
WATER MAIN	W	W
WATER MAIN ENCASEMENT		
WATER MAIN TUNNELING		W
TRENCH BACKFILL		
SANITARY FORCE MAIN		
ELECTRIC LINE	E	E
OVERHEAD ELECTRIC LINE	OE	OE
UNDERGROUND ELECTRIC	UE	UE
TELEPHONE LINE	T	T
GAS LINE	G	G
CABLE TV LINE	CATV	CATV
FIBER OPTIC LINE	FO	FO
RAILROAD TRACKS		
TREE LINE		
TREE		
CONTOURS		
SPOT ELEVATION	EXIST	PROP
FENCE	x	
WETLAND		
MARSH / WETLAND		
RIPRAP		
DRAINAGE DIRECTION ARROW		
DRAINAGE OVERFLOW DIRECTION		

STANDARD ABBREVIATIONS

B–B – BACK TO BACK OF CURB
B.C. – BACK OF CURB
B.O.C. – BACK OF CURB
B.S.L. – BUILDING SETBACK LINE
C.B. – STORM CATCH BASIN
C.E. – COMMONWEALTH EDISON CO.
D.E. – DRAINAGE EASEMENT
E–E – EDGE TO EDGE OF PAVEMENT
E.O.P. – EDGE OF PAVEMENT
E.O.S. – EDGE OF SHOULDER
E.P. – EDGE OF PAVEMENT
E.S. – EDGE OF SHOULDER
F.E.S. – FLARED END SECTION
I.B.T. – ILLINOIS BELL TELEPHONE CO.
L.E. – LANDSCAPE EASEMENT
M.H. – MANHOLE (TYPE SPECIFIED ON PLANS)
R.C.M.E. – ROAD CONSTRUCTION & MAINTENANCE EASEMENT
R.O.W. – RIGHT OF WAY
T.B.F. – TRENCH BACKFILL
T.C. – TOP OF CURB
T.C.E. – TEMPORARY CONSTRUCTION EASEMENT
T.O.B. – TOP OF BERM
T.O.C. – TOP OF CURB
U.E. – UTILITY EASEMENT

DEMOLITION/REMOVAL LEGEND:

(SEE SHEETS 07 FOR INFO.)

- INDICATES PAVEMENT REMOVAL (FULL DEPTH)
- INDICATES DRIVEWAY PAVEMENT REMOVAL
  - CONCRETE
  - HMA
- INDICATES SIDEWALK REMOVAL
- INDICATES HMA SURFACE REMOVAL
- CLEARING AND GRUBBING
- INDICATES TREE OR SHRUB
- INDICATES TREE PROTECTION
- INDICATES PIPE REMOVAL OR ABANDONMENT
  - STORM SEWER
  - WATER MAIN
  - SANITARY
- INDICATES CURB REMOVAL
- INDICATES SAWCUT
- INDICATES STRUCTURE (STORM, WATER OR SANITARY) R=REMOVAL, REC=RECONSTRUCTION, A=F&G/LID ADJUSTMENT, ADJ=STRUCTURE ADJUSTMENT
- (ET) INDICATES EXPLORATORY TRENCH
- (BF) (IP) (DT) INDICATES EROSION CONTROL MEASURES SEE SHEET 08–## FOR INFO.

PLAN AND PROFILE LEGEND:

(SEE SHEETS 07 FOR INFO.)

- DENOTES CASING PIPE
- DENOTES TUNNELING REQUIRED
- DENOTES TRENCH BACKFILL
- DENOTES MAINTAIN 18" VERTICAL SEPARATION PER TO I.E.PA'S REQUIREMENTS
- # DENOTES STORM SEWER TAG (SEE PLANS FOR INFORMATION)
- # DENOTES SANITARY SEWER TAG (SEE PLANS FOR INFORMATION)
- # DENOTES WATER MAIN TAG (SEE PLANS FOR INFORMATION)
- # DENOTES UTILITY /CONFLICT RESOLUTION TAG (SEE PLANS FOR INFORMATION)

PAVEMENT & RESTORATION PLAN LEGEND:

(SEE SHEETS 07 FOR INFO.)

- (BF) (IP) (DT) INDICATES EROSION CONTROL MEASURES SEE SHEET 08–## FOR INFO.
- (PS) INDICATES 4" TOPSOIL, CL1A SEEDING, (SALT TOLERANT LAWN MIXTURE) WITH MULCH, METHOD 2 (SEE PLANS FOR LOCATIONS)
- (PS) INDICATES 4" TOPSOIL, CL2A SEEDING, (SALT TOLERANT ROAD MIXTURE) WITH MULCH, METHOD 2 (SEE PLANS FOR LOCATIONS)
- (TS) INDICATES TEMP EROSION CONTROL SEEDING WITH MULCH, METHOD 2 (SEE PLANS FOR LOCATIONS)
- (P) INDICATES HMA RESURFACING (SEE TYPICAL SECTION FOR DETAILS)
- (P) INDICATES HMA DRIVEWAY REPLACEMENT (SEE TYPICAL SECTION FOR DETAILS)
- (P) INDICATES CONCRETE DRIVEWAY REPLACEMENT (SEE TYPICAL SECTION FOR DETAILS)
- (P) INDICATES CONCRETE SIDEWALK REPLACEMENT (SEE TYPICAL SECTION FOR DETAILS)
- (P) INDICATES ADA SIDEWALK RAMP
- INDICATES DETECTABLE WARNING TRUNCATED DOMES
- (CG) INDICATES CONCRETE CURB & GUTTER
- (CG) INDICATES DEPRESSED CURB

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES - BASE BID

	CODED PAY ITEMS			
1.00	**PAY ITEM #**	**EARTHWORK & EROSION CONTROL**	**UNITS**	**QUANTITY**
1.01	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	10
1.02	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	416
1.03	25000110	SEEDING, CLASS 1A	ACRE	0.09
1.04	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	8
1.05	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	8
1.06	25100115	MULCH, METHOD 2	ACRE	0.09
1.07	28000400	PERIMETER EROSION BARRIER	FOOT	350
1.08	28000500	INLET AND PIPE PROTECTION	EACH	5
1.00				

	CODED PAY ITEMS			
	2.00	**PAY ITEM #**	**WATERMAIN**	**UNITS**	**QUANTITY**
*	2.01	56101120	WATER MAIN, 24" MIN. (CASING PIPE)	FOOT	87
*	2.02	56103300	DUCTILE IRON WATER MAIN 12"	FOOT	324
*	2.03	56105200	WATER VALVES 12"	EACH	1
*	2.04	60249000	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
*	2.05	X0325379	TRENCHLESS PIPE INSTALLATION	FOOT	93
*	2.06	X5630712	CONNECTION TO EXISTING WATER MAIN 12"	EACH	2
*	2.07	X0324930	DUCTILE IRON SLEEVE, 12"	EACH	2
	2.00				

	CODED PAY ITEMS			
	3.00	**PAY ITEM #**	**MISCELLANEOUS**	**UNITS**	**QUANTITY**
	3.01	67100100	MOBILIZATION	L SUM	1
*	3.02	X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	20
*	3.03	Z0013798	CONSTRUCTION LAYOUT	L SUM	1
*	3.04	XXXXXX15	MISCELLANEOUS ADDITIONS AT THE VILLAGE'S DIRECTION	L SUM	1
	3.00				

*** = SPECIAL PROVISION**
t = SPECIALTY ITEMS

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VILLAGE OF OSWEGO
PLAINFIELD RD. AND WOOLLEY RD.
WATER MAIN EXTENSION

SUMMARY OF QUANTITIES AND SYMBOL LEGENDS

SCALE: N.T.S. | SHEET NO. 01 OF 01 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
____	_____	KENDALL	16	03
		CONTRACT NO. _____		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

SPECIFICATIONS & GENERAL NOTES

VILLAGE OF OSWEGO GENERAL NOTES AND SPECIFICATIONS

SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS

All construction shall be done in accordance with the latest edition in effect on the date of invitation for bids, of the following:

All items of this project shall be governed by specifications included in the documents listed below:

A. "Standard Specifications for Road and Bridge Construction" prepared by the Department of Transportation of the State of Illinois and adopted by said department (latest edition) and hereinafter referred to as the "Standard Specifications".
B. "Supplemental Specifications and Recurring Special Provisions" adopted by the Illinois Department of Transportation (latest edition).
C. "Standards and Specifications for Soil Erosion and Sediment Control" by IEPA– Illinois Urban Manual – a technical manual designed for Urban Ecosystem Protection and Enhancement, (latest edition).
D. "Standard Specifications for Water and Sewer Main Construction in Illinois" (latest edition).
E. "Illinois Manual on Uniform Traffic Control Devices for Streets & Highways". (latest edition)
F. "Fox Metro Water Reclamation District Standard Specifications" (latest edition)
G. In the event of a conflict between these various standards, the Village of Oswego Subdivision and Development Control Regulations standards shall apply. (latest edition)

In addition the following special provisions supplement the said specifications, and in case of conflict with any part or parts of said specifications, these special provisions shall take precedence and shall govern.

GENERAL NOTES

1. All traffic control and other advisory signs needed for construction are to be furnished by the developer/contractor in accordance with Section 107 of the Standard Specifications.
2. All work performed shall comply with all applicable rules and regulations of the OSHA. The developer/contractor is responsible for providing a safe and healthful working condition throughout the construction of the various improvements.
3. The developer/contractor is responsible for notifying JULIE 1–800–892–0123 at least 48 hours in advance of construction operations. All utilities must be staked/located before construction.
4. The developer/contractor is responsible for notifying the Village of Oswego Public Works Dept. (630) 554–3242 a minimum of 48 hours before construction activities. A 24–hour notice must be provided for inspections and tests. Village staff must operate all watermain valves and hydrants only.
5. The developer/contractor shall protect and preserve all section/subsection monuments or property monuments until the owner; their agent or an authorized surveyor has witnessed or otherwise referenced their locations.
6. The developer/contractor shall be aware of potential conflicts with existing utilities as indicated on the plans. These areas shall be excavated to determine elevations before beginning construction and any irregularities turned over to the design engineer.

EARTHWORK AND GRADING

1. All fill placed under the proposed pavement shall conform to Section 205 of the referenced IDOT "Standard Specifications". This includes (but is not limited to) the removal of topsoil from fill areas and the proper compaction of fill.
2. The subgrade for roadways and sidewalks shall be free of unsuitable material and shall be compacted to a minimum of 95% of modified proctor dry density. Testing for compaction shall be the responsibility of the developer/contractor and the Village shall be provided with a copy of the testing report.
3. All earthwork shall result in a final black dirt placement within ~0.10 feet of the approved plan with record "as–built" drawings (and stage vs. storage calculations where appropriate) prepared by the design engineer of record and submitted for Village review and approval.
4. All excess earthwork materials, if not to be utilized as fill material, shall be completely removed from the site and disposed of off–site by the developer/contractor unless otherwise directed by the Village Engineer.
5. All topsoil and organic materials shall be stripped and removed before the placement of fill materials.
6. Testing: The developer/contractor shall provide as a minimum, a fully loaded six wheeled truck for proof rolling the roadway subgrade prior to the installation of curbs and base material. The truck shall be driven slowly over the subgrade and the Village Engineer or their designated representative shall witness any deflections/depressions exceeding one (1") inch in depth. These areas of unsuitable material shall be marked for removal and replacement with suitable materials as specified by the "Standard Specifications". The granular sub–base shall be similarly proof rolled for deflections/depressions exceeding one–half (1/2") inch in depth.
7. The developer/contractor shall use care in grading operations around trees, shrubs, and bushes, which are to be saved so as not to cause injury to the roots, trunks, or limbs. Protective fencing shall be placed around vegetation to be saved. Root saw– cutting shall be at the direction of the Village Engineer.

EROSION CONTROL MEASURES

1. All erosion control measures shall be in compliance with the latest revision of the Standards and Specifications for Soil Erosion and Sediment Control" by IEPA–and the Illinois Urban Manual – a technical manual designed for Urban Ecosystem Protection and Enhancement, June 2013 or latest edition and in accordance with the erosion control plan.
2. All erosion control measures must be checked by the developer/contractor on a weekly basis and after every storm of one half inch of rainfall or greater. Any repairs or sediment removal needed to ensure adequate erosion control must be completed immediately, at the expense of the developer/contractor.
3. The work site shall be mass graded to provide for positive drainage at all times during construction. Final grades shall be protected from erosion and accumulation of sediments.

A. SOIL STABILIZATION
1. Existing vegetation cover and topsoil – strip topsoil and remove existing vegetation. Stockpile on–site for future re–use at the location designated on the plan.
2. Temporary seeding – temporary seeding shall be placed within 15 days to all disturbed areas that are scheduled to remain stripped for more than 60 days.
3. Permanent seeding – install permanent seeding or sod immediately following the finished grading and topsoil placement.
4. Slope protection – protect all seeding on slopes with mulch, secured excelsior blankets, or equal.

B. SEDIMENT CONTROL
1. Protect adjacent properties from encroaching sediments by preserving a vegetated buffer strip or with siltation fencing placed around the perimeter of the site.
2. All newly constructed storm sewer structures shall be provided with inlet filter bags.
3. Temporary Rock Check Dams, Coir Logs (or alternative approved by the Village Engineer) shall be placed a minimum of every 250' in all overland flood swales, rear yard swales, or other longitudinal swales.
4. The developer/contractor must remove all erosion control measures within 30 days of final site stabilization.

C. WATERMAIN CONSTRUCTION
1. All watermain work shall be constructed in accordance with the applicable "Standard Specifications for Water and Sewer Main Construction in Illinois" latest edition.
2. Watermains shall have a minimum cover of 5.5' and shall be installed in a straight alignment unless specifically shown otherwise on the approved plans. Minimum cover may be reduced, at the discretion of the Village Engineer, provided that satisfactory measures are taken to insulate and protect the pipe.
3. All watermains shall be cement lined ductile iron pipe, class 52 conforming to AWWA C–151 with push–on or mechanical joints and shall be encased in polyethylene film in accordance with AWWA C–105–82. Fittings shall be cement lined, tar coated cast iron with mechanical joints rated 250 psi per AWWA C110/ANSI 21.20.
4. All pipe and fittings shall be manufactured in the United States or approved equal.
5. All main line valves shall be "American Flow Control" type gate valves and housed in a precast concrete vault of the appropriate size.
6. All hydrants shall be "Waterous Pacer" model WB–67 –250 or Clow Medallion type and include a gate valve in a metal box with bracing and trench adapter.
7. All corporation stops shall be "A Y McDonald" model, compression type.
8. All curb stops shall be "A Y McDonald" model.
9. All watermains shall be pressure tested and disinfected in accordance with the standards and procedures set by the Village. Minimum testing procedure shall comply with the Standard Specifications for Sewer and Watermain Construction in Illinois Section 41–2.13 and Section 41–2.14.
10. Only Village staff is allowed to operate valves and hydrants. A minimum of 24 hours advance notice must be given to the Village Public Works Department for the operation of valves and hydrants.

PROTECTION OF WATERMAIN AND WATER SERVICE LINES

Watermains and water service lines shall be protected from sanitary sewers, storm sewers, combined sewers, sewer service lines, and drain tiles as follows:

A. WATERMAINS
1. Horizontal Separation
   a. Watermains shall be laid at least ten feet horizontally from any existing or proposed sanitary sewer, storm sewer, combined sewer, sewer service, and drain tile.
   b. Watermains may be laid closer than ten feet to a sewer line when:
   i. Local conditions prevent a lateral separation of ten feet.
   ii. The watermain invert is at least 18 inches above the crown of the sewer; and
   iii. The watermain is either in a separate trench or in the same trench on an undisturbed earth shelf located to one side of the sewer.
   c. Both the watermain and sewer/drain shall be constructed of slip–on or mechanical joint cast or ductile iron pipe, pre–stressed concrete pipe or PVC pipe meeting the requirements of section 653.111 when sewer shall be pressure tested to the maximum expected surcharge head before backfilling.

2. Vertical Separation
   a. A watermain shall be laid so that its invert is 18 inches above the crown of the sewer or drain whenever watermains cross storm sewers, sanitary sewers or sewer services. The vertical separation shall be maintained for that portion of the watermain located within ten feet horizontally of any sewer or drain crossed. A length of watermain pipe shall be centered over the sewer to be crossed with joints equidistant from the sewer or drain.
   b. The sewer or drain shall be constructed of slip–on or mechanical joint cast or ductile iron pipe, pre–stressed concrete pipe, (storm sewer only), or PVC pipe meeting the requirements of section 653.111, or the sewer or drain shall be sleeved with steel pipe or constructed of reinforced concrete pipe conforming to ASTM C–76 with gasket joints conforming to ASTM C–361 (storm sewers only) for a distance of ten feet either side of the conflict,
   i. It is impossible to obtain the proper vertical separation as described in a) above; or
   ii. The watermain passes under a sewer or drain
   c. A vertical separation of 18 inches between the invert of the sewer or drain and the crown of the watermain shall be maintained where a watermain crosses under a sewer. In addition, the sewer shall be constructed of watermain quality pipe. Support the sewer or drain lines to prevent settling and breaking the watermain.
   d. Construction shall extend on each side of the crossing until the normal distance from the watermain to the sewer or drain line is at least ten feet.

B. WATER SERVICE LINES
1. The horizontal and vertical separation between water service lines and all storm sewers, sanitary sewers, combined sewers, sanitary sewer services, or any drain tiles shall be the same as watermain separation described in (A) above.
2. Water pipe described in (A) above shall be used for sewer service lines when minimum horizontal and vertical separation cannot be maintained.

C. SPECIAL CONDITIONS
1. Watermains and water service lines shall be protected against entrance of hydrocarbons through diffusion through any material used in construction of the line.

VILLAGE OF OSWEGO GENERAL NOTES AND SPECIFICATIONS

THE VILLAGE OF OSWEGO SUBDIVISION AND DEVELOPMENT CONTROL REGULATIONS.

SECTION 8.00 – DESIGN STANDARDS

8.06 SPECIFICATION REQUIREMENTS

The latest "Village of Oswego General Notes and Specifications" and the General Notes/construction details from the Fox Metro Water Reclamation District (FMWRD) shall be appended to the plans as a minimum. The most recent editions of the various standard published material specifications, prepared by associations such as the "American Society for Testing and Materials" (ASTM), the "American Water Works Association" (AWWA), the Illinois Department of Transportation (IDOT), the Illinois Urban Manual, and the Standard Specification for Water and Sewer Main Construction in Illinois may be incorporated by reference.

The specifications may also include more project specific general notes not referenced in the Village General Notes and Specifications. Wherever there is conflict between the written specifications and the drawings, the more stringent requirements, as determined by the Village Engineer, shall apply.

The specification shall include a clause that all work included shall be guaranteed by the Contractor to be free from defects in construction and materials, and in substantial conformance with the approved drawings and specifications. A statement of comprehensive liability insurance shall also be provided as required in Section 8.09 of the Subdivision Ordinance.

8.15 RECORD "AS BUILT" DRAWINGS

Two (2) prints of record "as built" drawings signed and sealed by the Design Engineer or other independent professional employed by the Owner/Developer shall clearly show any and all changes from the approved engineering drawings. The format of said record "as built" drawings will consist of the approved final engineering drawings with the proposed information stricken and the record information appended adjacent to the stricken information, in a legible fashion. Other "as built" exhibits may be allowed for the sake of clarity, at the discretion of the Village Engineer. Said record "as built" drawings shall also be submitted via electronic format as specified on the "Digital Submittal Checklist" (found on the Village's website at www.oswegoil.org) and in accordance with the Village's GIS. Record "as built" drawings shall be submitted to the Village Engineer prior to the Owner/Developer's request for inspection of the required improvements. The record "as–built" drawings must use a datum based on the Village's Geodetic Control Network and using two (2) control points to establish the datum. The control points can be found on the Village's website at www.oswegoil.org. The record "as built" drawings shall be based on actual measurements of both horizontal and vertical dimensions, made after completion of the work. Record "as built" drawings must include verification of all stormwater management basin volumes with stage vs. storage calculations, overflow weir size/elevations, all associated storm sewers, and restrictor(s).

8.16 FINAL PROCESSING AND INITIAL/FINAL ACCEPTANCE

Upon written request of the Owner/Developer, and after the required improvements have been completed and supporting documentation has been submitted, the Village Engineer or Public works representative shall make a preliminary inspection of the completed work. The Village Engineer or Public Works representative shall then prepare a punch list, itemizing all items not meeting the requirements of the approved drawings and specifications. The supporting documents for "Initial Acceptance" shall be submitted to the Village Engineer and shall consist of the following:

1. Record "As Built" Drawings. See Section 8.15 above.
2. Copy of the Recorded Plat of Subdivision, if applicable.
3. Copies of all recorded easement documents, if applicable.
4. Sanitary Sewer Video Records
5. Storm Sewer Video Records
6. Release of Title Insurance Policy
7. Recorded Copy of Homeowner's Association Covenants Codes and Restrictions
8. Bill of sale; Contractor's Affidavit and Lien Waivers. The bill of sale will transfer ownership of the public improvements to the Village for a nominal sum, typically $10. The Contractor's Affidavit and Lien Waivers in accordance with the Illinois Mechanics Lien Act, for all land improvements to be accepted by the Board.
9. Surveyor's Statement. Statement signed by an Illinois Registered Land Surveyor stating that all of the required monuments and irons are in place.
10. Satisfactory Performance Guarantee. The submission from the Owner/Developer of a deposit in cash, irrevocable letter of credit, or surety bond, equal to ten (10%) percent of original security amount. This deposit shall be a guarantee of satisfactory performance of the public improvements and shall be held by the Village for a minimum of twelve (12) months after "Initial Acceptance" or sixty (60) months after "Initial Acceptance" in the case of wet bottom basins. Upon recommendation from the Village Engineer, the Village Board shall by resolution make "Initial Acceptance" of the public improvements.

The Village may reduce the posted Performance Guarantee as each division of the required land improvements is "Initial Accepted". Land improvements shall be divided into the following categories as applicable:

a. Sanitary sewer mains and appurtenances;
b. Water mains and appurtenances;
c. Storm sewer mains, drainage ways, and storm water management facilities;
d. Streets and parkway grading and seeding/sodding;
e. Erosion and sediment control;
f. Miscellaneous improvements (landscaping, street traffic signs, street lights, pedestrian paths, traffic signals, etc.).

The posted Performance Guarantee shall only be reduced by authorization of the Village Board, after review and recommendation by the Village Engineer. Approximately two to three months prior to the expiration of the "Initial Acceptance" Performance Guarantee, the Village Engineer or Public Works representative shall make a final inspection of the public improvements and prepare a punch list of minor repairs. Upon satisfactory completion of this final punch list, with the Village Engineer's written recommendation, the Village Board shall by resolution make "Final Acceptance" of the public improvements. The maintenance responsibility for the public improvements shall then be with the Village.

SECTION 8.20 EROSION CONTROL, PROTECTION/RESTORATION OF EXISTING IMPROVEMENTS

8.201 – INTRODUCTION

Project construction required in connection with a development often occurs in or adjacent to areas with existing surface or underground improvements. The intent of this Section 8.2 is to specify Village requirements relative to construction affecting existing improvements. Drawings and specifications presented for Village approval shall provide for the implementation of the requirements of this Section.

8.202 – EROSION CONTROL

Erosion and sediment control due to run–off, equipment leaving and entering a construction site, wind, etc., are required for all construction, including individual single–family lots, in the Village of Oswego. Site engineering or grading plans for projects shall either contain specific provisions for erosion control or a separate erosion control plan. The provisions or plan will follow accepted techniques and details as found in the "Illinois Urban Manual", "Kendall County Stormwater Management Ordinance" (latest edition) or as directed by the Village Engineer (latest revision). Projects disturbing one acre or greater of land area shall comply with Illinois Environmental Protection Agency (IEPA) regulations with a Notice of Intent for Construction Site Activities permit application; and a copy shall be provided to the Public Works Department. A Stormwater Pollution Prevention Plan (SWPPP) shall also be required per IEPA requirements and kept at the project site.

Steep slopes (exceeding 3:1) are to be avoided whenever possible. As much natural vegetation as possible should be retained, especially next to lakes, creeks, or other natural water sources. The erosion control plan should indicate the location of soil stockpiles that are to remain on–site longer than four weeks. These stockpiles shall be immediately surrounded by functioning silt fences. Stockpiles shall not be located next to a lake, creek, natural water source, Special Flood Hazard Area, and shall not be located with a downslope drainage length of less than twenty–five (25) feet to a roadway, drainage channel or body of water, and if the stockpiles are to be left undisturbed for more than 15 days then the stockpile shall be seeded to minimize erosion. Undeveloped lots within an industrial/commercial development, left inactive for more than 90 days, shall be rough graded and seeded. See also section 8.613I for the timing of rough grading and seeding of undeveloped lots.

Erosion control measures should be used which include, but are not limited to, sediment basins, diversion channels, stabilized aggregate haul roads at all construction entrances and pavement cleaning operations, silt fences, straw bales, inlet baskets, and any other measures necessary or as directed by the Village Engineer. Village roadways must be free and clear of any dirt or construction debris at the end of each construction day.

The Design Engineer's opinion of probable cost must include specific line items pertaining to erosion and sedimentation control including the installation and maintenance costs thereof and shall be included in the Owner/Developer's letter of credit.

8.202B – MAINTENANCE OF CONTROL MEASURES

All soil erosion and sediment control measures shall be maintained periodically by the applicant or subsequent landowner during the period of land disturbance and development of the site in a satisfactory manner to ensure adequate performance and as necessary to meet the terms of the "Kendall County Stormwater Management Ordinance" (latest edition).

8.202C – INSPECTION

The Village shall make periodic inspections and shall either approve that portion of the work completed or shall notify the permittee wherein the work fails to comply with the erosion and sedimentation control plan as approved. Plans for grading, stripping, excavating, and filling work approved by the Village shall be maintained at the site during the progress of the work.

Inspections can take place during any or all of the following:

1. Upon completion of installation of sediment and runoff control measures (including perimeter controls and diversions), prior to proceeding with any other earth disturbance of grading;
2. After stripping and clearing;
3. After rough grading;
4. After final grading;
5. After seeding and landscaping deadlines;
6. After final stabilization and landscaping, prior to removal of sediment controls; and
7. Every week or after rainfall events of a ½" or more.

At the completion of any project, the storm sewers, gutters, etc. will be inspected by the Village Engineer or Public Works representative to determine any cleaning or flushing of trapped sediment which may be required. Where required by the Village, and at the Owner's/Developer's expense, storm sewers shall be internally video televised in a color DVD shall be submitted to the Village Engineer along with a written narrative of the findings as measured from the nearest structure.

8.202D – SPECIAL PRECAUTIONS

If at any stage of the grading of any development site the Village determines by inspection that the nature of the site is such that further work authorized by an existing permit is likely to imperil any property, public way, stream, lake, wetland, or drainage structure, the Village may require, as a condition of allowing the work to continue, that such reasonable special precautions to be taken as is considered advisable to avoid the likelihood of such peril. "Special precautions" may include, but shall not be limited to, a more level exposed slope, construction of additional drainage facilities, berms, terracing, compaction, or cribbing, installation of plant materials for erosion control, and recommendations of a registered soils engineer and/or engineering geologist which may be made requirements for further work.

Where it appears that storm damage may result because the grading on any development site is not complete, work may be stopped and the Owners/Developers may be required to install temporary structures or take such other measures as may be required to protect adjoining property or the public safety. On large developments or where unusual site conditions prevail, the Village may specify the time of starting grading and time of completion or may require that the operations be conducted in specific stages so as to ensure completion of protective measures or devices prior to the advent of seasonal rains.

8.203 – PROTECTION OF PROPERTY AND SURFACE STRUCTURES

Trees, shrubbery, fences, poles and all other property and surface structures shall be protected during construction operations. Any fences, poles or other man–made surface improvements which are moved or disturbed shall be restored to their original condition or replaced in kind with new material; as soon as possible after construction is completed.

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 3/13/2023 12:47 PM
FILE NAME: 200055.18–Cover
PLOT DRIVER: DWG To PDF.pc3
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HRGreen.com
Illinois Professional Design Firm #184.001322
HRGreen

USER NAME = MLEWIS	DESIGNED – MPL	REVISED –	VILLAGE OF OSWEGO PLAINFIELD RD. AND WOOLLEY RD. WATER MAIN EXTENSION	SPECIFICATIONS AND GENERAL NOTES	
FILE NAME = 200055.18–Cover	DRAWN – MPL	REVISED –			
PLOT SCALE = N.T.S.	CHECKED – DWS	REVISED –			
PLOT DATE = 3/13/2023	DATE – 03/16/2023	REVISED –		SCALE: N.T.S. / SHEET NO. 01 OF 03 SHEETS / STA. / TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
____	_____	KENDALL	16	04
		CONTRACT NO. _____		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

SPECIFICATIONS & GENERAL NOTES CONT.

8.204 – INTERRUPTION TO UTILITIES AND DAMAGE TO SURFACE IMPROVEMENTS
A minimum of 48 hours prior to commencement of work, J.U.L.I.E. (1–800–892–0123) and the Village's Department of Public Works must be notified for location of any existing utilities. All reasonable precautions shall be taken against damage to existing utilities.

In the event of a break in an existing water main, gas main, sewer, or underground cable, the Contractor shall immediately notify the Village of Oswego Public Works Department and the appropriate utility. The Contractor shall lend all possible assistance in restoring service and shall assume all costs, charges, or claims connected with the interruption and repair of such services unless it is determined that the utility has not been properly located. In the case of repairing Village utilities, the Village's cost of such work will be billed to the contractor.

8.205 – TRAFFIC CONTROL
All work approved by the Village within public rights–of–way shall conform to the requirements of the latest edition of the Manual of Uniform Traffic Control Devices for Highway Control and Maintenance Operations as published by the Department of Transportation, State of Illinois. The provisions of these standards will be enforced:

1. When an opening is made into the existing pavement;
2. When construction takes place adjacent to the edge of the existing pavement;
3. When a utility crossing is made beneath the existing pavement;
4. When it is necessary to close a lane of traffic due to construction operations;

Permission for road closure must be reviewed and recommended by the Director of Public Works and ultimately approved by the Village Board prior to commencing construction. Signing will be required in strict conformance to the Traffic Control Manual. No construction operation is to commence until such time that all required signs and barricades have been properly erected.

8.206 – PAVEMENT CROSSING
Unless otherwise specifically approved by the Director of Public Works, all conduits crossing existing pavements shall be installed by tunneling, jacking, or auguring. The open cutting of a roadway will only be allowed when the tunneling, jacking, or auguring requirement presents a hardship on the conduit installation. Allowable hardships would include a conflict with another existing utility, adverse weather conditions, a need for expediency, or adverse ground and/or groundwater conditions. A monetary hardship for the developer will not be considered. In all instances, the safety of the public and the construction crews will be considered. When the carrier pipe is a conduit intended to operate under internal pressure, a casing pipe of adequate strength for all applied loads shall be used. The carrier pipe shall be centered and suspended within the casing pipe with poly blocks held in place with stainless steel bands as manufactured by Cascade, or approved equal. Installation requirements for the bands shall follow the manufacturer's recommendations. The nearest face of pits or other open excavations on each side of a traveled pavement shall be at least 10–feet from the edge of pavement, and secured against hazards.

When open cutting is allowed or other pavement opening required, they shall be backfilled prior to the end of the working day unless otherwise authorized by the Village. All excavations shall be backfilled with an IDOT approved mix #2 design of "Controlled Low Strength Material" (i.e. CLSM or Flowable Fill) dispensed from a redi–mix truck up to the sub–grade level. Said CLSM shall be fluid enough to fill all voids and undermines. Upon placement of the CLSM, the trench shall be properly protected with barricades and plated with appropriate steel plates to minimize traffic disruption until the CLSM has sufficiently set up to allow for the remainder of the restoration. In inclement weather a temporary hot–mix asphalt patch of at least 2–inches in thickness shall be constructed after the steel plates have been removed. It is understood that such patching is only temporary and that permanent pavement repair will be required as specified in Article 8.210 of this Section.

8.207 – TRENCHING
Trenches shall be excavated to the depths and grades necessary for pipelines including allowances for bedding materials. As determined by the Village Engineer, unsuitable soils found at or below the bottom of the trench shall be excavated to meet firm subsoil. Maximum trench widths will comply with IDOT Standards and Specifications.

8.208 – BRACING AND SHEETING

Open–cut trenches shall be sheeted and braces as required by governing federal and state laws including all OSHA Safety and Health Standards (29CFR 1926/1910), and as may be necessary to protect life, property, and work.

8.209 – BEDDING AND BACKFILL REQUIREMENTS
8.209A – BEDDING
Bedding shall be provided for all pipes, except where concrete encasement, concrete cradles, boring or jacking are indicated. Bedding shall be a minimum thickness of 4–inches and consist of gravel, or crushed stone ¼ –inch to 1–inch in size. As a minimum, the bedding material shall conform to the requirements of the "Standard Specifications for Road and Bridge Construction", Illinois Department of Transportation. The gradations shall conform to CA6, CA7, CA11 or CA13 therein. Note that when PVC or ABS pipe is used, the bedding material shall extend to a minimum of 12" over the top of the pipe. Bedding shall be properly compacted. Wherever two or more pipes or conduits are placed in the same trench or excavated area, backfill the trench with granular bedding material to support the uppermost pipe or conduit.

8.209B – BACKFILL
For conduits not requiring selected granular backfill, backfill shall be made with materials available from the trench excavation. The material shall be free from rocks and be carefully placed in 12–inch lifts.

For conduits requiring excavation as described in the "Standard Specifications for Road and Bridge Construction" beneath or within 2–feet horizontally of existing or proposed pavements, driveways, or sidewalks or in other areas which, in the opinion of the Village Engineer, are or may be subject to vehicular traffic loading, selected granular backfill shall be provided above the bottom of the trench and shall extend upward to the surface of the ground or pavement. Material for selected granular backfill shall consist of CA–7 Crushed Stone with a 12" thick CA–7 crushed stone "cap". The select granular backfill shall be mechanically compacted according to the Standard Specifications for Water and Sewer Main Construction in Illinois.

8.210 – RESTORATION OF EXISTING IMPROVED SURFACES
8.210A – GENERAL
The Contractor shall restore all permanent type pavements, sidewalks, driveways, curbs, gutters, trees, shrubbery, lawns, fences, poles, and other property and surface structures removed or disturbed during or as a result of construction operations to a condition that existed or better before the work began. The surface of all improvements shall be constructed of the same material and match in appearance the surface of the improvements which were removed.

8.210B – SAW CUTTING
When necessary to remove sections of existing pavement, sidewalk, or curb and gutter, and prior to removal, the edges of the section to be removed shall be cleanly cut out with a concrete saw.

8.210C – REMOVAL OF ROADWAY PAVEMENTS, SIDEWALKS, DRIVEWAYS AND CURBS
Where concrete pavement, sidewalk, driveway, or curbing is cut, the width of the cut shall exceed the actual width of the top of the trench at sub–grade by a minimum of twelve (12) inches on each side. Exposed surface of Portland cement or asphalt concrete shall be cut with a pavement saw to full depth before removal. The pavement must be sawcut perpendicular to the centerline along the edge of the pavement. Sidewalks must be removed and replaced by the whole square.

8.210D – CONCRETE PAVEMENT SURFACE
Where the existing roadway pavement surface is Portland Cement Concrete (PCC), the pavement replacement shall consist of six (6) inch PCC pavement or existing concrete depth, whichever is greater. PCC and construction methods for PCC shall conform to the current requirements of the "Standard Specifications for Road and Bridge Construction" of the Illinois Department of Transportation, applicable Sections for Portland Cement Concrete pavement. Pavement joints and reinforcing in the replacement pavement shall conform to and match that in the adjacent pavement area.

8.210E – BITUMINOUS CONCRETE PAVEMENT SURFACE
Where the existing pavement surface is bituminous concrete and the base consists of a rigid material such as brick or PCC, the base replacement shall consist of 8–inch PCC base course. The PCC shall be as noted in Section 8.210D above.

The minimum surface replacement shall consist of a bituminous prime coat (applied at a rate of 0.1 gal/sy), a 2–3/4 – inch binder course and a 2 – inch minimum surface course conforming to the requirements of the "Standard Specifications for Road and Bridge Construction" of the Illinois Department of Transportation for Hot–Mix Asphalt Binder and Surface Course. Said replacement shall be completed as soon as conditions allow or at the discretion of the Village Engineer.

8.210F – BITUMINOUS PLANT MIX PAVEMENT OR BITUMINOUS TREATED SURFACE – FLEXIBLE BASE
Where the existing pavement is bituminous plant mix material or bituminous surface treatment and the base consists of a flexible material such as gravel, crushed stone, Bituminous Aggregate Mixture, Pozzolanic Material or Soil Cement, the base replacement shall consist of a 6–inch compacted thickness of Bituminous Aggregate Mixture Base Course conforming to the "Standard Specifications for Road and Bridge Construction" of the Illinois Department of Transportation and special provisions thereof. The surface replacement shall be as specified in 8.210E above.

8.210G – CONCRETE SIDEWALKS, DRIVEWAYS, CURB, CURB AND GUTTER
Where necessary to remove and replace concrete sidewalk, driveways, curb, and curb and gutter, replacements shall be made according to the Village's Standards regulating the construction of driveways, approaches and sidewalks. Curb or curb and gutter dimensions and cross–sections shall conform, as nearly as practical, with the existing installations except that at intersections with sidewalk that does not conform to State of Illinois handicap requirements, sufficient depressed curb and gutter along with sidewalk with preformed expansion joints shall be replaced to meet said handicap specifications. One–half–inch (1/2") preformed expansion joints shall be placed at intervals not exceeding 50–feet and at the junction with existing work. Saw cut (IDOT specs govern) crack control contraction joints shall be made every 10 feet (minimum) and shall be a minimum of one–half–inch in depth. Sidewalks shall be finished to match existing adjacent sidewalk surfaces. Finish shall meet current A.D.A. regulations and be required on all handicap sidewalk sections.

Gaps or openings in the curb serving a runoff water quality (Best Management Practice BMP) benefit are allowed at the discretion of the Village Engineer.

8.210H – CULTIVATED LAWNS
Provide topsoil, seeding, sodding, watering, and care of grass during establishment period for a complete surface restoration of lawns, parkways, and other areas disturbed as a result of the construction.

1. Topsoil
   Topsoil shall be furnished pulverized and properly placed, raked, and rolled to a minimum depth of 4–inches. The topsoil furnished shall consist of loose, friable, loamy, non–acid soil, having at least 90 percent passing a no. 10 sieve, free of large roots, brush, sticks, weeds, stones larger than one–fourth (1/4") inch in diameter, and any other debris. Before topsoil is placed, the area to be covered shall be brought to the proper grade. If the existing surface has become hardened or crusted, it shall be loosened to a recommended minimum depth of 12" to provide a suitable bond with the topsoil.

   Apply commercial grade fertilizer uniformly at a rate of 20 pounds per 1,000 square feet. Work fertilizer into soil prior to seeding or sodding.

2. Sodding
   Provide sod in developed areas that were grassed prior to construction and as indicated on the drawings. Sodding shall be used in ditches and drainage swales and on all embankment slopes steeper than 4 to 1 unless protection is provided against erosion of seeding. At the Contractor's option, sodding may be substituted for seeding.

   The cut sod from a local sod farm shall be not less than 2–inches thick. Sod that has been cut more than 48–hours prior to installation shall not be used without the approval of the Village Engineer.

   Sod shall be placed according to the applicable section of the IDOT Standard Specifications. Place sod with edges in close contact and alternate courses staggered. On slopes 2:1 or steeper, sod shall be staked with at least one stake for each piece of sod. Do not place sod when the ground surface is frozen or when air temperatures may exceed 90 degrees Fahrenheit.

   New sod shall be watered daily at the rate specified in the IDOT specification for a minimum of seven–days after the specified initial watering. Village water used shall be metered and paid for by the Contractor. Any defective, dead or dying sod shall be removed and replaced up to one–year after completion of the sodding.

   In ditches, the sod shall be placed with the longer dimension perpendicular to the flow of water in the ditch. On slopes, starting at the bottom of the slope, the sod shall be placed with the longer dimension parallel to the contours of the ground.

SECTION 8.40 – STORM WATER DRAINAGE

8.404B – CULVERTS
Wherever culverts are allowed by the Village Engineer, culverts shall meet the following minimum standards:

1. Minimum pipe diameter of twelve (12") inches.
2. Corrugated metal pipe (CMP) shall be hot–dipped galvanized steel or aluminum steel conforming to AASTO M36. Provide 16 gauge CMP for pipe diameter twenty–one (21") inches and smaller. Provide 12 gauge CMP for pipe diameters twenty–four (24") inches and larger.
3. Reinforced concrete pipe (RCP) shall conform to ASTM C76, minimum Class III.
4. Plastic culvert pipe will not be allowed within the public right of way, unless allowed by the Village Engineer.
5. Culvert invert elevations shall be 3" less than the ditch invert elevations.
6. Minimum cover at driveways shall be six (6") inches.
7. Culverts will be designed to convey a thirty–(30) year storm with less than 0.1' of head created above the natural (without culvert) conditions. The calculation method shall be the rational method for areas up to 20 tributary acres. Tributary areas greater than 20 acres shall be computed using a hydrograph method (HEC–1, HEC–HMS or TR–20, or approved equivalent).
8. No one hundred (100) year storm overtopping of the road is allowed.

8.404C – SWALES/DITCHES
Wherever swales and ditches are allowed by the Village Engineer, swales and ditches shall meet the following minimum standards. (Ditches and culverts may be used in lieu of storm sewers if curbs and gutters are not required.)

1. Minimum grade of one and one–half (1.5%) percent. Preferred slope is two (2%) percent.
2. Maximum grade of ten (10%) percent.
3. Minimum depth of twenty–four (24") below the shoulder of the street.
4. Maximum bank slope of 3:1 under normal conditions.
5. The bottom and banks of ditches with grades between 4 and 8 percent shall be sodded and equipped with permanent ditch checks.
6. The bottom and banks of ditches with grades between 8 and 10 percent shall be paved or otherwise stabilized as approved by the Village Engineer.
7. All areas of the property must be provided with an overland flow path that will pass the 100– year flow at a stage at least eighteen inches (18") below the lowest foundation grades in the vicinity of the flow path. Overland flow paths designed for flows in excess of the minor drainage system capacity are required to be contained in dedicated drainage easements.
8. Ditches will be designed to convey a minimum of a thirty–(30) year storm, and in some instances, a one hundred (100) year storm ditch may be necessary at the discretion of the Village Engineer.
9. Ditches should be trapezoidal shaped and have a 2' bottom.

SECTION 8.50 – WATER SYSTEM

All water main bends shall be made with 45 degree or less elbows and 90 degree elbows will not be accepted. Fittings, building service connections, hydrants, valve vaults/boxes, and appurtenances should not be located in the pavement, sidewalks, or curb. All fittings, building service connections, hydrants, valve vaults/boxes and appurtenances should not be located along water main sections that have been lowered to meet the IEPA vertical separation requirement.

8.504 – FIRE HYDRANTS
8.504B – MATERIAL
Fire hydrants shall meet AWWA C–502 and shall be "Waterous Pacer WB–67–250" or Clow Medallion type with a 5–1/4 inch valve opening, two 2–1/2 inch hose nozzles and one pumper nozzle. Threads shall conform to National Standard Specifications. Construction shall conform to that indicated on the fire hydrant detail. Each hydrant shall be equipped with an auxiliary gate valve complete with roadway box from A. Y. McDonald, or approved equal, and valve box stabilizer. Hydrants shall be installed no closer than two feet or further than six feet from the back of curb. No hydrant shall be installed within 48 inches of any obstruction nor shall any obstruction be placed within 48 inches of a hydrant. The manufacturer shall paint the hydrants red. Hydrants shall be installed with a valve box brace as supplied by BLR Enterprises Inc. or with a trench adapter as supplied by American Flow Control, or approved equals.

8.505 – VALVES
8.505B – VAULTS
All main valves shall be installed in precast concrete vaults conforming to ASTM C478 as detailed in the Valve Vault Detail. All vaults for newly constructed water main shall have flexible rubber watertight pipe connectors. Pressure connection taps/vaults shall seal the pipe entrances for the existing pipe with anti–hydro cement. All auxiliary valves at fire hydrants shall be installed in cast iron valve boxes with stabilizers. Vaults and boxes shall not be allowed in driveways or sidewalks, and must be located on the property lines accessible to Village repair/maintenance vehicles. All valves eight–inch diameter or less shall be in a minimum four– foot diameter vault. All valves ten–inch diameter or greater shall be in a minimum five–foot diameter vault. Pressure connection taps/valves shall be in a minimum five–foot diameter vault. Valve vault frames shall be Neenah R–1530 and lids shall be a "Neenah" type B, or approved equal, with the word "WATER" stamped into the lid. Each valve vault cone and barrel section joint shall also be externally sealed with a 9" wide (min.) sealing band of rubber and mastic. The band shall have an outer layer of rubber or polyethylene with an under layer of rubberized mastic (with a protective film), meeting the requirements of ASTM C–877, type II or type III.
The valve vault lid on designated fire service lines (or valve box lid, where allowed) shall be painted hydrant red to identify them as fire services.

8.505C – TYPES
All valves shall be AWWA C515–01, ductile iron body, bronze fitted, modified wedge disc, resilient seat type with non–rising stem and O–ring packing designed for 250 pound working pressure, as manufactured by American Flow Control, or approved equal.

8.506 – GENERAL DESIGN DETAILS FOR WATER MAINS, 3 – 24 INCH DIAMETER
8.506A – DUCTILE IRON PIPE, FITTINGS AND JOINT TYPE
Provide ductile iron pipe complying with ANSI A21.51, thickness Class 52, with joints complying with ANSI A21.11. External coating shall be standard, as specified for general use in ASA Specification A21.51. All pipe and fittings shall be manufactured in the United States of America, or approved equal. Use internal cement lining complying with ANSI A21.4 or AWWA C205, standard thickness. Whenever river–crossing pipe is required, provide restrained joint, or ball and socket type joints allowing 15 degrees maximum deflection. Use ductile iron fittings with mechanical joint complying with ANSI A21.10 or A21.53. Use internal cement lining complying with ANSI A021.4, standard thickness.

8.506C – DEPTH OF COVER
The depth between the finished grade and the top of the water main shall be not less than five and one–half (5.5') feet or more than seven (7') feet. Where conflicts arise with other underground improvements, the Village Engineer will consider lesser/greater depths.

8.506D – THRUST BLOCKS
Blocking to prevent movement of mains under pressure at bends and fittings shall be Portland Cement Concrete (PCC), a minimum of 12–inches thick pre–cast blocks, placed between solid ground and the fittings in such a manner that pipe fittings and joints will be accessible for repairs. All bends of 22 ½ degrees or greater, and all tees and plugs shall be thrust protected to prevent movement of the line under pressure. Thrust protection may also be attained by the use of a combination of mechanical retaining glands and threaded stainless steel rods. Wood blocks or shims will not be allowed for thrust blocking.

8.506E – TRENCH
Minimum trench width shall be ample for proper jointing, but in no case less than 1'–6". Bedding and backfill shall be as specified in Section 8.209.

8.507 – CONNECTIONS TO EXISTING MAINS
All connections to the Village water distribution system shall be under full water service pressure. The following specifications shall apply when pressure connections are made to the existing Village distribution system:

A. Tapping Sleeves:
   1. Use two–piece stainless steel bolted sleeve type with mechanical joints, Clow F–5205, or approved equal.
   2. Provide joint accessories.

B. Tapping Valves:
   1. Use fully ported gate valves complying with AWWA C500.
   2. Use mechanical joint type, Clow F–5093, or approved equal.

Tapping valves shall be placed in pre–cast concrete vaults as specified in Section 8.505B and in accordance with the "Pressure Connection" detail. Watermain valves shall not be placed in sidewalks or driveways.

8.508 – WATER SERVICE LINES

A water service line is designed to deliver water from a water main to a single building, extended from the water main to the building, and includes corporation stop, curb stop and service box. Service lines shall be approximately at a right angle to the centerline of the right–of–way whenever possible. The preferred location for the service box is 1 foot outside of the public right of way and not located within any driveways or sidewalks/paths. The service line should be a continuous length of pipe and couplings are not allowed.
Water services to multi–family type units must have the service boxes placed in an appropriately sized cast–in–place Portland Cement concrete box. Said box will be flush to the final grade, with each box identified or stamped in the concrete with a corresponding address for each interior unit.

8.508B – MATERIALS
1. Service lines: Type K soft temper seamless copper water tubing complying with ASTM B–88.
2. Corporation stops: A. Y. McDonald, or approved equal.
3. Curb stops: A. Y. McDonald, or approved equal.
4. Service boxes: Buffalo type, Minneapolis pattern for 1" copper service. Lid marked "Water".
5. All service taps shall be either with a manufactured tap coupling or full stainless steel. For service lines greater than 1 ½ inches in diameter, taps shall be made with a ductile type or stainless steel (full body) tapping sleeve.

8.508C – MINIMUM DIAMETER
No water service line shall be less than 1–inch internal diameter. The Building Department will evaluate appropriate signed/sealed architectural plans to determine if the water service line/meter/valve needs to be increased in size to accommodate the number of proposed plumbing fixtures. For building services greater than 100 feet in length, a larger diameter service may be required in order to maintain adequate service pressure. Couplings are not allowed.

8.509A – HORIZONTAL SEPARATION

1. Whenever possible, water main shall be laid at least 10–feet horizontally from any existing or proposed sewer.
2. Should local conditions prevail which would prevent a horizontal separation of 10–feet, a water main may be laid closer to or in the same trench as a storm or sanitary sewer, provided the main is laid on an undisturbed earth shelf located to one side of the sewer and at such an elevation that the bottom of the water main is at least 18–inches above the top of the sewer.

8.509B – VERTICAL SEPARATION

1. Whenever water mains must cross house sewers, storm drains, or sanitary sewers, the water main shall be laid at such an elevation that the bottom of the water main is 18–inchesabove the top of the drain or sewer. This vertical separation shall be maintained for that portion of the water main located within 10–feet horizontally of any sewer or drain crossed, said 10–feet to be measured from the outside edge of the watermain to the outside edge of the drain or sewer.
2. Where conditions exist that the minimum vertical separation set forth in (1) cannot be maintained, or it is necessary for the water main to pass under a sanitary sewer, then, within a distance of 10–feet either side of the outside edge of the water main, construct the sewer or drain of pressure pipe, conforming to the specification for water main materials. For storm sewer ASTM C361 pipe shall satisfy this requirement. The sewer or drain line shall be supported to prevent settling and breaking of the water main.
3. When a new sanitary sewer and a new water main are proposed to cross, the 18 inch vertical separation MUST be maintained.

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VILLAGE OF OSWEGO
PLAINFIELD RD. AND WOOLLEY RD.
WATER MAIN EXTENSION

SPECIFICATIONS AND GENERAL NOTES CONTINUED

SCALE: N.T.S. | SHEET NO. 02 OF 03 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
____	_____	KENDALL	16	05
		CONTRACT NO. _____		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

SPECIFICATIONS & GENERAL NOTES CONT.

8.510 – WATER SERVICE LINE PROTECTION
The horizontal and vertical separation between water service lines and all sanitary sewers, storm sewers, or any drain shall be the same as for water mains, as detailed in Section 8.509.

8.511 – TESTING
The following procedures are to be strictly followed by all persons engaged in the pressure testing and/or disinfection of public water distribution mains and private water services 3–inches and larger in diameter. The requirements of these design standards and the requirements of the Illinois Environmental Protection Agency water permit shall be strictly enforced. The contractor is required to provide any and all equipment necessary to complete the pressure testing and/or disinfection of the water mains and services. Prior to any test, the contractor shall arrange with the Village Public Works Department (630) 554–3242 to have the required tests witnessed, and shall give a minimum of two working days advance notice.

The contractor shall not operate any valves in the existing public water supply system. Requests for valve operations are to be made through the Public Works Department. Requests for valve operations shall be made 24 hours prior to any scheduled operations or tests.

8.511A – PRESSURE AND LEAKAGE TESTS
The contractor shall perform a preliminary pressure/leakage test to ensure that all segments of the system meet the pressure/leakage rates as set forth herein. When the contractor has assured himself that the system will meet the required leakage rates, the contractors shall arrange (two working days in advance) witnessing of the pressure test with the Village Public Works Department. The tests shall be conducted as follows:

1. Hydrostatic Test:
   a. Where any section of a water line is provided with concrete thrust blocking for fittings, the hydrostatic tests shall not be made until at least 5 days after installation of the concrete thrust blocking.
   b. Disposal of wastewater from hydrostatic tests, and for disinfection, shall be approved in advance by the Village Public Works Department.
   c. The new water mains and service lines including valves and hydrants shall be subjected to a hydrostatic pressure of 150 psi.
   d. The test pressure shall be held for a duration of two hours without pressure loss or further pressure application.
   e. Each valve shall be opened and closed several times during the test.
   f. Careful examination of exposed pipe, joints, fittings, and valves is required.
   g. Joints showing visible leakage shall be remade or replaced.
   h. Cracked pipe, defective pipe, and cracked or defective joints, fittings, and valves shall be replaced with sound material and the test repeated until results are satisfactory.

8.511B – DISINFECTION
After all mains have been satisfactorily pressure tested and accepted by the Village, the contractor shall proceed to disinfect the main in accordance with AWWA Standard C651. A chlorine concentration during disinfection shall be maintained at a minimum 50 mg/l available chlorine. The chlorinated water shall be retained in the main for a period of at least 24 hours. At the end of the 24–hour period, the treated water shall contain no less than 25 mg/l chlorine throughout the main. The contractor will sample the chlorinated disinfecting solution to assure that these minimums are maintained.

After an applicable retention period, the heavily chlorinated water shall be flushed from the main until the chlorine concentration in the water leaving the main is not higher than that generally prevailing in the system. After final flushing, and as witnessed by the Village Public Works Department, the contractor shall obtain two samples of water from the main for bacteriological testing. For major water main installation, the number of samples may be increased as determined by the Village Public Works Department. A second series of samples shall be collected no less than 24–hours after the first set of samples has been collected. The individual sets of samples shall be bacteriologically tested to show the absence of coliform organisms.

If both sets of samples are satisfactory, the Village Public Works Department shall open all valves on the system. The contractor and the Village will be furnished with copies of the bacteriological report for their records. Only Village Public Works staff is allowed to operate valves.

8.514 – WORKMANSHIP
As a minimum requirement, the specifications for the construction of water distribution facilities shall not be less stringent than the "Standard Specification for Water and Sewer Main Construction in Illinois", adopted by a joint committee of the Illinois Society of Professional Engineers, Consulting Engineers Council of Illinois, Illinois Chapter of the American Public Works Association, Illinois Municipal League, and the Associated General Contractors of Illinois.

SECTION 8.60 – ROADWAYS, SIDEWALKS, AND STREET LIGHTING

8.605 – COMBINATION CONCRETE CURB AND GUTTER
Combination concrete curb and gutter shall be constructed along the edge of all pavement (roadways and parking lots) except as provided in Section 8.210G. Cross section and details for barrier/modified continuously reinforced type curb shall conform to those on the standard details. Material and construction shall conform to the requirements of the "Standard Specifications for Road & Bridge Construction" of the Illinois Department of Transportation for Combination Concrete Curb and Gutter.

Minor repairs to the curb and gutter will be completed with either an epoxy polymer concrete, joint sealer, ("Crown Polymers", or approved equal) or a remove/replace technique at the discretion of the Village Engineer or their representative.

A – STAMP "S" & "W"

Shortly after the concrete curb is poured, the contractor shall mark the curb with an "S" for sewer and a "W" for water to locate the service stubs. The contractor shall provide the stamps.

– PAVEMENT TYPES

– SPECIAL REQUIREMENTS FOR HOT–MIX ASPHALT PAVEMENT

The following qualifications and requirements shall apply to hot–mix asphalt pavements regardless of design method used:

1. No construction required by this Section shall be permitted after November 1 without written authorization of the Village Engineer.
2. Minimum acceptable I. B. R. for sub–grade is 3.0.
3. Where I. B. R. for underlying soil is less than 3.0, it shall be removed or otherwise modified as required to meet this minimum.

8.611A – STRUCTURE ADJUSTMENT

When finished grade or alignment for existing underground structures, such as inlet basins, catch basins, manholes or valve vaults is affected by proposed work, the project drawings shall provide for the adjustment of such structures as required. Where a project is to be constructed under two or more construction contracts, one or more of which includes the construction of pavement, the contract documents for those contracts including paving work shall provide for the adjustment of underground structures that may be constructed under other contracts as may be required to fit the proposed pavement.

8.611B – UTILITY CROSSING PROTECTION
All trenches that either cross or are within 2 feet of the street pavement, sidewalk, curb and gutter and driveways shall consist of mechanically compacted CA–7 with a 12 inch thick, mechanically compacted CA–6 cap. The select granular backfill shall be mechanically compacted according to the Standard Specifications for Water and Sewer Main Construction in Illinois.

8.612 – DRIVEWAYS AND APPROACHES
8.612C – MATERIALS
Material and construction of driveways and approaches in urbanized areas shall conform to the requirements of the "Standard Specifications for Road and Bridge Construction" of the Illinois Department of Transportation for PCC driveway pavement. PCC driveways and approaches in residential areas shall be a minimum of 5–inches thick on a minimum of 4–inches of compacted CA–6 crushed stone. PCC driveways and approaches in non–residential areas shall be a minimum of 8–inches thick on a minimum of 6–inches of compacted CA–6 crushed stone. Crushed stone base compaction shall equal or exceed 90 percent of maximum dry density.

Bituminous driveways and approaches in residential areas shall be a minimum of three (3") inches of hot–mix asphalt surface course, over a compacted stone base of CA–6 at least eight (8") inches thick. Bituminous driveways and approaches in non–residential areas shall be a minimum of four (4") inches of hot–mix asphalt, over a compacted stone base of CA–6 at least twelve (12") inches thick.

Alternate materials of comparable strength may be allowed at the discretion of the Village Engineer.

8.613 – SIDEWALKS
Sidewalks shall be required in all appropriate zoning districts as specified in Figure 1. As a minimum requirement, the specifications for the construction of sidewalk facilities shall be no less stringent than the requirements set out in the following sections. Valve vaults, b–boxes, or manholes are not allowed in sidewalks.

8.613B – SPECIFICATIONS
All sidewalks shall be a minimum of 5–inches thick. Sidewalks shall be continuous through residential driveways with a minimum thickness of 6–inches through the driveway section. Sidewalks in non–residential areas shall be a minimum of 5–inches thick, except it shall be a minimum of 8–inches thick through non–residential driveways. Sidewalk width shall be as specified in Figure 1 or as determined by the Village Engineer when a greater width is justified on the basis of anticipated traffic.

8.613C – MATERIALS
All materials shall meet the requirements of the "Standard Specifications for Road and Bridge Construction" of the Illinois Department of Transportation. All sidewalks shall be constructed of Portland Cement Concrete. Concrete shall be at least a 6 bag mix, 4 percent to 6 percent air– entrained, and shall have a slump of not less than 2–inches or more than 4–inches. Sidewalk shall be placed on a minimum of 4–inches of compacted CA–7 crushed stone.

8.613F – PLACING AND FINISHING
The sub–grade shall be adequately moistened before placement. The concrete shall be thoroughly spaded along the edges, struck off to the true grade, and finished to a true and even surface. The surface shall be divided by grooves constructed at right angles to the centerline of the sidewalk and shall have rounded edges. No slab shall be longer than 6 feet or less than 4 feet unless otherwise approved by the Village Engineer. The side edges of the walk shall also have rounded edges. The surface shall be "broom" finished.

8.613G – EXPANSION JOINTS
Pre–molded bituminous expansion joints one–half (1/2) inch thick shall be placed every 50 feet minimum and between the sidewalk and all driveways, approaches and curbs, and all structures such as light standards, traffic standards, and traffic poles which extend through the sidewalk.

8.613H – HANDICAPPED REQUIREMENTS
All sidewalk construction intersecting public or private roadways shall be ramped to meet a depressed curb and gutter section in conformance with the Illinois Accessibility Code and the Illinois Americans with Disabilities Act, as amended. The tactile warning surface panel supplied by "Detectable Warning Systems" (or approved equal) will consist of a composite material that is colorfast and UV stable with appropriate raised truncated domes. The color of the panel will be uniform throughout and should not rely on any type of paint coating to achieve color stability. The panel color will be selected by the Director of Public Works. The panels should be sufficiently anchored to allow for easy removal without breaking the concrete. Red dyed Portland Cement Concrete or cast iron panels will not be allowed.

8.614 – GENERAL CONSTRUCTION REQUIREMENTS FOR PCC DRIVEWAYS, APPROACHES, AND SIDEWALKS

8.614A – SUB–GRADE PREPARATION
When the sub–grade has been prepared and no later than 24–hours prior to placing concrete, the contractor shall notify the Village Inspector that forms are in place and the sub–grade is ready for inspection. Sub–grade compaction tests at the Owner/Developer's expense, may be required where deemed appropriate by the Village Inspector. No concrete shall be placed until the sub– grade and forms have been inspected and approved in writing by the Village Inspector.

8.614B – PLACING AND FINISHING
All forms shall be set true to line and elevation, substantially built and rigidly braced to prevent bulging. Forms shall be constructed of steel or clean lumber surfaced on four (4) sides and be uniform in width and thickness. Final surfaces shall have an appropriate sealant applied in accordance with State "Standard Specifications".

All concrete surfaces shall have a light broom finish. 8.614C – PROTECTION AND CURING
All exposed surfaces of concrete shall be protected against rain. The concrete shall be cured for a minimum period of three days after placing by one of the following methods:

- Wet burlap
- Impervious paper
- Membrane curing compound

When the temperature of the air is expected to drop below 40 degrees F within 24–hours after placing, the concrete shall be protected with 9–inches of loose, dry straw and a layer of burlap, or other acceptable material, for a period of at least five days.

8.614D – COLD WEATHER REQUIREMENTS
No concrete shall be placed when the air temperature is below 40 degrees F or is between 40 degrees and 45 degrees F and falling unless approved by the Village Engineer. The temperature of the concrete when placed shall not be less than 50 degrees F. In no case shall concrete be placed on frozen sub–grade.

8.616A – SODDING/SEEDING
All unpaved areas in any residential development within a street right of way and all swales forming the drainage system for a development shall be sodded. Said sodded areas shall be watered in accordance with applicable IDOT standards. In all commercial, office and industrial developments, an approved water supply for maintaining adequate moisture levels in the parkways shall be provided within at least one hundred (100') feet of all points within the parkway. The Village Engineer may allow parkway seeding with an approved sprinkler system in the parkway in a commercial, office, or industrial development. Upon recommendation of the Village Engineer, the Village Board may require additional seeding of a lot to prevent soil erosion and blockage of drainage systems. A guarantee of a minimum of two (2) growing seasons shall cover all sodded/seeded areas. For purposes of this section, a growing season is May 15th through October.

MISCELLANEOUS NOTES

1. The Contractor shall notify the OSWEGO, ILLINOIS and the residents within the project limits a minimum of 48 hours prior to the start of construction.

   During construction, the contractor shall provide access to all abutting properties, except for periods of short duration as approved by the Owner. Any roadway or access closures shall only take place between the hours of 10:00 a.m. and 3:00 p.m. The OSWEGO, ILLINOIS shall be notified 24 hours in advance of any closures. This Work shall be included and paid for as "Traffic Control and Protection."

   All Work performed relative to this improvement shall comply with all applicable rules and regulations of O.S.H.A.

   All construction personnel will be required to wear a safety vest, complying with the latest O.S.H.A. requirements, at all times while at the construction site. Compliance with this requirement shall be considered as incidental to the contract.

   All trenches shall be backfilled or covered at the end of each day of construction.

   The Contractor shall remove all mailboxes within the Limits of Construction which interfere with construction operations and erect them at temporary locations as approved by the Owner. As soon as construction operation permits, the Contractor shall set the mailboxes at their permanent locations. This Work shall be performed as directed by the Owner. The Contractor shall replace, at his/her expense, any mailbox or post which has been damaged during construction. No additional compensation shall be allowed.

2. Easements for the existing utilities, both public and private, and utilities within public rights–of–way are shown on the plans according to available records. The Contractor shall be responsible for determining the exact location in the field of these utility lines and their protection from damage due to construction operations. If existing utility lines of any nature are encountered which conflict in location with new construction, the Contractor shall notify the Engineer so that the conflict may be resolved.

3. Contractor shall be responsible for securing all Permits including municipal permits.

4. Construction Observation: All improvements shall be subject to inspection by a duly authorized and qualified Village inspector both during the course of construction and after construction is complete. The Contractor shall provide for reasonable tests and proof of quality of materials as requested by the inspector. Inspector shall have forty–eight (48) hours notice prior to construction.

   A. To visit the construction site in order to better carry out the duties and responsibilities assigned by the Village and undertaken by the Inspector;

   B. The Inspector shall not, during such visits or as a result of such observations of the Contractor's Work in progress, supervise, direct, nor shall the inspector have the authority over the responsibility for the means, methods, techniques, sequences, or procedures of construction selected by the Contractor, for safety precautions and programs incidental to the Work of the Contractor, or for any failure of the Contractor to comply with laws, rules, regulations, ordinances, codes or orders applicable to the Contractor furnishing and performing his Work. Accordingly, the Inspector can neither guarantee the performance of the construction contracts by the Contractor nor assume responsibility for the Contractor's failure to furnish and perform his Work in accordance with the Contract Documents.

5. Excavation: Where Working conditions and right–of–way permit, pipe line trenches with sloping sides may be used.

   The slopes shall not extend below the top of the pipe, and trench excavations below this point shall be made with vertical sides with widths not exceeding those specified herein for the various sizes of pipe.

   Open–cut trenches shall be sheeted and braced as required by the governing State and Federal laws and Municipal ordinances, and as may be necessary to protect life, property, or the Work.

   Where firm foundation is not encountered at the grade established due to unsuitable soil, all such unsuitable material shall be removed and replaced with approved compacted granular material.

6. Utilities: The Contractor shall notify all utilities prior to the installation of any pipe lines. Where conflict exists between underground utilities and the proposed underground piping requiring a revision to the plans, such construction shall not be undertaken until such changes are approved by the Village Engineer in writing.

7. Field Tile: The Engineer and OSWEGO, ILLINOIS Public Works shall be notified if, during construction, any buried field tiles are exposed or disturbed. The Contractor shall reconnect said field tiles if deemed necessary.

8. The Contractor shall be responsible for the installation and maintenance of adequate signs, traffic control devices, and warning devices to inform and protect the public during all phases of construction.

9. Rubbish Removal: Contractor shall make site inspection prior to bidding and shall include in proposal removal of stumps, brush, branches, etc. All material shall be disposed of off–site at the Contractor's expense.

10. Water Use: Contractor shall supply any water required for construction. Water is available from hydrants only with prior approval from public works and a representative from public works onsite at time of connection. Secure permission from water utilities, obtain necessary permits, and notify Engineer, Owner and Fire Department before obtaining water from fire hydrants. Make arrangements for connecting to hydrants, and for temporary piping required to transport water to point of use. Connection to hydrants shall prevent backflow to system. Use only special hydrant operating wrenches to open hydrants.

11. The Contractor shall indemnify and hold harmless the Village and Village's Engineers and their agents and employees from and against all claims, damages, losses and expenses, including attorney's fees arising out of or resulting from the performance of the Contractor's Work. In any and all claims against the Village or its employees, by any employee of the Contractor, or anyone directly or indirectly employed by the Contractor, or anyone for whose acts the Contractor may be liable, the indemnification obligation shall not be limited in any way by any limitation on the amount of damages, compensation or benefits payable by or for the Contractor under Workmen's Compensation acts, disability benefit acts or other employee benefit acts.

12. **No construction plans shall be used for construction unless specifically marked "For Construction." Prior to commencement of construction, the Contractor shall verify all dimensions and conditions affecting their Work with the actual conditions at the job site. In addition, the Contractor must verify the line and grade stakes against the construction plans. If there are any discrepancies from what is shown on the construction plans, he must immediately report the same to the Engineer before doing any Work, otherwise the Contractor assumes full responsibility. In the event of disagreement between the construction plans, Standard Specifications and/or special details, the Contractor shall secure written instructions from the Engineer prior to proceeding with any part of the Work affected by omissions or discrepancies. Failing to secure such instructions, the Contractor will be considered to have proceeded at his own risk and expense. In the event of any doubt or question rising with respect to the true meaning of the construction plans or specifications, the decision of the Engineer shall be final and conclusive.**

13. Restoration of Drainage: As soon as possible after backfilling the trench, all ditching, grading and shaping necessary to restore the original drainage in the area of Work shall be performed. Culverts removed during the course of the Work shall be replaced as soon as practicable.

    Adequate temporary drainage facilities meeting the approval of the Engineer shall be provided during construction.

14. Erosion Control: It shall be the Contractor's responsibility to properly control erosion on the jobsite. Any siltation of conduits, structures, or ditches shall be cleaned and maintained by the Contractor until the seeding has taken hold. All washouts, gullies, etc. will be regraded and reseeded by the Contractor.

    The Contractor's responsibility for erosion control shall extend throughout the construction process. The Contractor shall be responsible for clean–up of paved surfaces within and adjacent to the project on a timely basis and/or at the direction of the Village Engineer.

    All construction will adhere to the requirements set forth in the IEPA's General NPDES Permit for Stormwater Discharge from construction site activities.

    Erosion control items must be inspected weekly and after every rain storm event of one–half inch of rainfall or greater. Any repairs needed to ensure or replacement adequate erosion control must be made immediately by the contractor.

15. Removal of Water: Contractors shall, at all times during construction, provide and maintain ample means and devices with which to remove and properly dispose of all water entering the excavations. No sanitary sewer shall be used for disposal of trench water.

    The Contractor shall be responsible for complying with all Federal, State and Local regulatory requirements.

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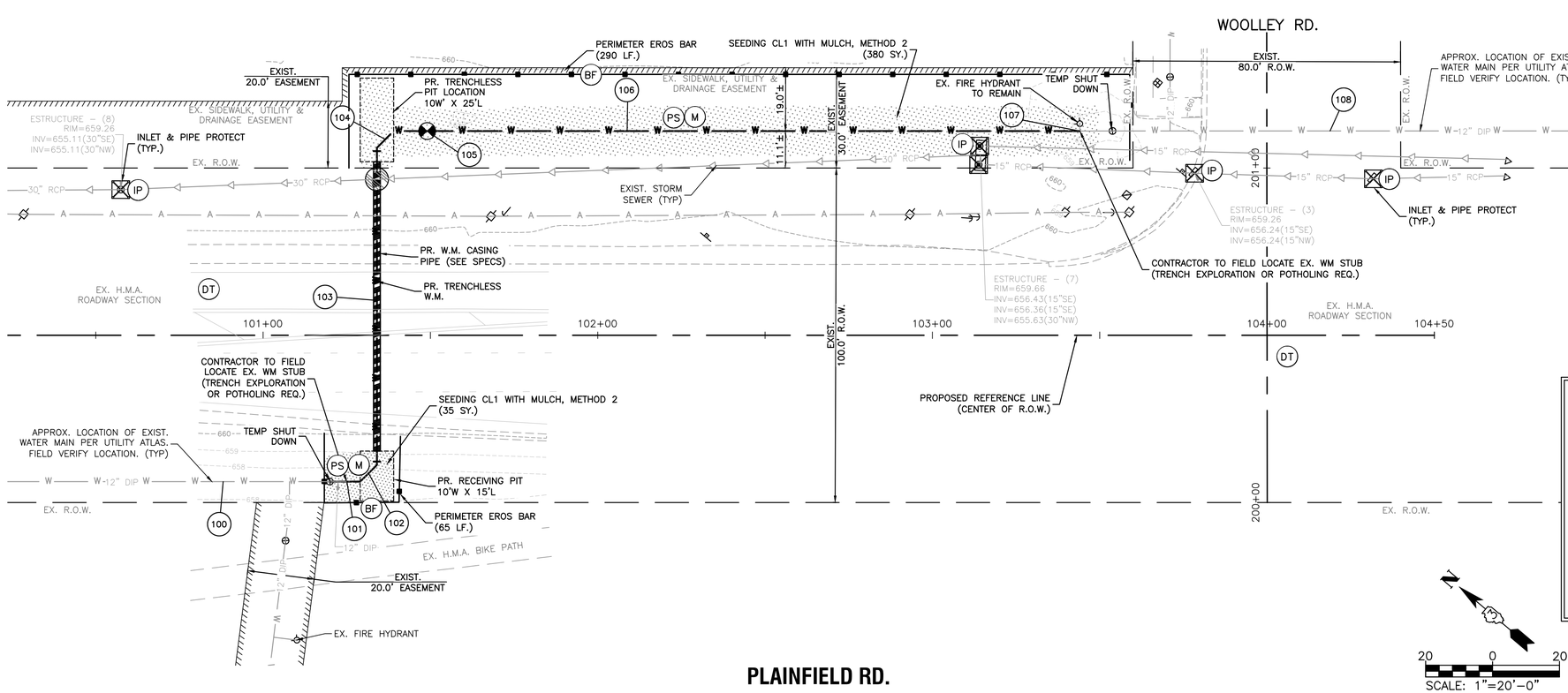

EXISTING UTILITY LEGEND:

- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING SANITARY SERVICE
- EXISTING WATER MAIN
- EXISTING WATER SERVICE
- EXISTING GAS MAIN
- EXISTING OVERHEAD AERIAL LINES

LEGEND:

- BF IP DT ⊠ — INDICATES EROSION CONTROL MEASURES SEE SHEET 08–## FOR INFO.
- INDICATES MAINTAIN I.E.PA'S VERTICAL SEPARATION REQUIREMENTS
- (#) INDICATES WATER TAG
- PS M — INDICATES 4" TOPSOIL, CL1A SEEDING, (SALT TOLERANT LAWN MIXTURE) WITH MULCH, METHOD 2 (SEE PLANS FOR LOCATIONS)

(#) WATER MAIN TAGS

100
EX. 12" W.M.

101
CONN TO EX W MAIN 12
DI SOLID SLEEVE 12

102
18' - D I WATER MAIN 12"
WITH D.I, MJ, BENDS

103
93' - D I WATER MAIN 12"
TRENCHLESS

104
18' - D I WATER MAIN 12"
WITH D.I, MJ, BENDS

105
VV TA 5 DIA T1F CL
WATER VALVES 12
RIM= 659.2

106
195' - D I WATER MAIN 12"
WITH D.I, MJ, BENDS & TEE'S

107
CONN TO EX W MAIN 12
DI SOLID SLEEVE 12

108
EX. 12" W.M.

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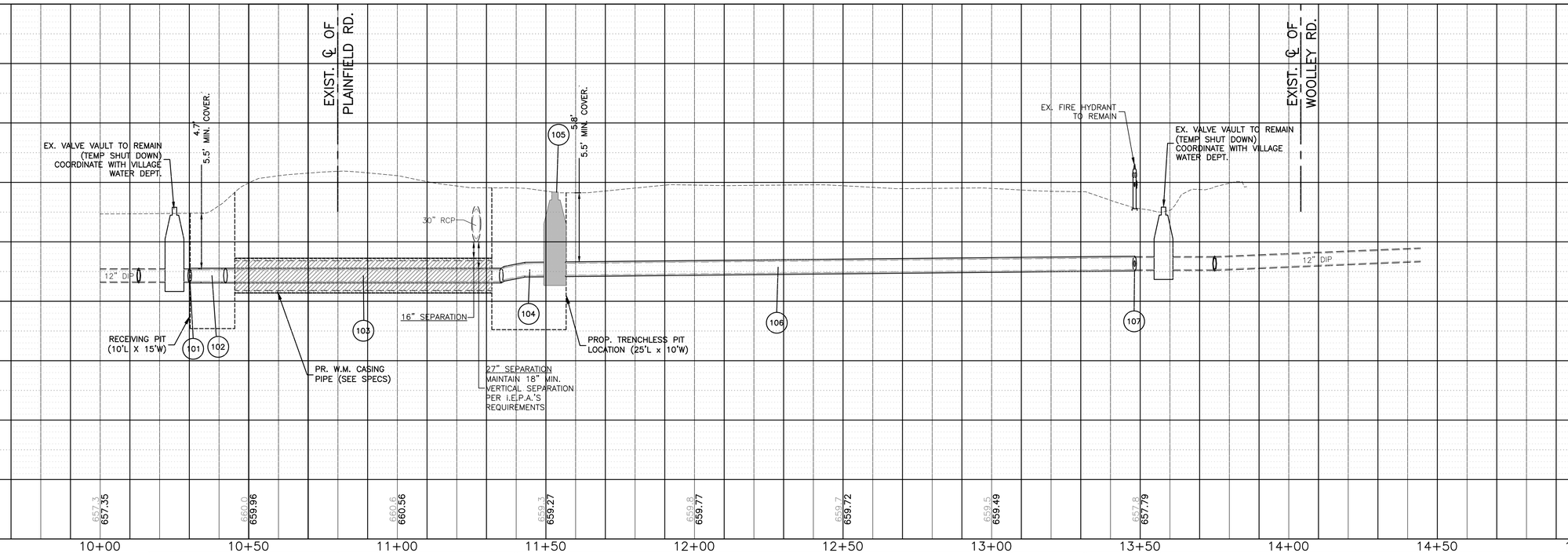

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VILLAGE OF OSWEGO
PLAINFIELD RD. AND WOOLLEY RD.
WATER MAIN EXTENSION

WATER MAIN EXTENSION

SCALE: 1"=20' | SHEET NO. 01 OF 01 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. _____

FED. ROAD DIST. NO. _ | ILLINOIS | FED. AID PROJECT

CONTROL MEASURE GROUP	CONTROL MEASURE	KEY	APPL.	CONTROL MEASURE CHARACTERISTICS	TEMP.	PERMNT
VEGETATIVE SOIL COVER	TEMPORARY SEEDING	TS	X	PROVIDES QUICK TEMPORARY COVER TO CONTROL EROSION WHEN PERMANENT SEEDING IS NOT DESIRED OR TIME OF YEAR IS INAPPROPRIATE.	X	
	PERMANENT SEEDING	PS	X	PROVIDES PERMANENT VEGETATIVE COVER TO CONTROL EROSION, FILTERS SEDIMENT FROM WATER. MAY BE PART OF FINAL LANDSCAPE PLAN.		X
	DORMANT SEEDING	DS		SAME AS PERMANENT SEEDING EXCEPT IS DONE DURING DORMANT SEASON. HIGHER RATES OF SEED APPLICATION ARE REQUIRED.		
	SODDING	SO		QUICK PERMANENT COVER TO CONTROL EROSION. QUICK WAY TO ESTABLISH VEGETATION FILTER STRIP. CAN BE USED ON STEEP SLOPES OR IN DRAINAGEWAYS WHERE SEEDING MAY BE DIFFICULT.		
	GROUND COVER	GC	X	PROVIDES GROUND COVER, SHRUBS AND TREES IN ADDITION TO PERMANENT VEGETATION. MAY BE USED AS PART OF A FINAL LANDSCAPE PLAN ALONG WITH SHRUBS AND TREES.		X
	RAIN GARDEN	RG		PROVIDES A TYPE OF FUNCTIONAL LANDSCAPING FEATURE DESIGNED TO CONTROL STORMWATER RUNOFF. SEE LANDSCAPING PLANS FOR DETAILS		
NON VEGETATIVE SOIL COVER	MULCHING	M	X	ADDED INSURANCE OF A SUCCESSFUL TEMPORARY OR PERMANENT SEEDING. CONTROLS UNWANTED VEGETATION AND PRESERVES MOISTURE. PROVIDES COVER WHERE VEGETATION CANNOT BE ESTABLISHED.	X	
	AGGREGATE COVER	AG		PROVIDES SOIL COVER ON ROADS AND PARKING LOTS AND AREAS WHERE VEGETATION CANNOT BE ESTABLISHED. PREVENTS MUD FROM BEING PICKED UP AND TRANSPORTED OFF-SITE.		
	PAVING	P		PROVIDES PERMANENT COVER ON PARKING LOTS AND ROADS OR OTHER AREAS WHERE VEGETATION CANNOT BE ESTABLISHED.		
DIVERSIONS	EROSION BLANKET	EB		PROVIDES QUICK TEMPORARY COVER TO CONTROL EROSION WHEN PERMANENT SEEDING TIME OF YEAR IS INAPPROPRIATE AND IN SLOPED AREAS.		
	RIDGE DIVERSION	RD		TYPICALLY USED ABOVE SLOPES. USED WHERE AN EXCESS OF SOIL IS AVAILABLE.		
	CHANNEL DIVERSION	CD		TYPICALLY USED AT TOP OR BASE OF SLOPES. USED WHEN EXCESS SOIL IS NOT AVAILABLE.		
	COMBINATION DIVERSION	CBD		TYPICALLY USED ANYWHERE ONA SLOPE. SOIL TAKEN OUT OF CHANNEL IS USED TO BUILD THE RIDGE.		
	CURB AND GUTTER	CG		SPECIAL CASE OF DIVERSION USED IN CONJUNCTION WITH A STREET TO DIVERT WATER FROM AN AREA NEEDING PROTECTION.		
	BENCHES	B		SPECIAL CASE OF DIVERSION CONSTRUCTED WHEN WORKING ON CUT SLOPES TO SHORTEN LENGTH OF SLOPE AND ADD SLOPE STABILITY.		
WATERWAYS	BARE CHANNEL	BC		PROVIDES MEANS OF CONVEYING RUNOFF TO DESIRED LOCATION. MAY BE USED TO DRAIN DEPRESSIONAL AREAS. ONLY APPLICABLE WHEN VELOCITY OF FLOW IS VERY LOW.		
	VEGETATIVE CHANNEL	VC		PROVIDED ADDED STABILITY TO CHANNEL. USED WHEN VELOCITY OF FLOW IS NOT EXTREMELY FAST.		
	LINED CHANNEL	LC		USED WHEN VEGETATION WILL NOT PROTECT THE CHANNEL AGAINST HIGH VELOCITIES OF FLOW OR WHERE VEGETATION CANNOT BE ESTABLISHED.		
	DITCH CHECKS	DC	X	PROVIDES AN ENERGY DISSIPATOR ALONG A LENGTHY CHANNEL TO REDUCE VELOCITY OF STORMWATER	X	
ENCLOSED DRAINAGE	STORM SEWER	ST		CAN BE USED TO CONVEY SEDIMENT LADEN WATER TO SEDIMENT BASIN OR IN CONJUNCTION WITH A WATERWAY.		
	UNDERDRAIN	UD		USED TO LOWER WATER TABLE AND INTERCEPT GROUNDWATER FOR BETTER VEGETATION GROWTH AND SLOPE STABILITY. USED TO CARRY BASE FLOW IN WATERWAYS AND TO DEWATER SEDIMENT BASINS.		
SPILLWAYS	STRAIGHT PIPE SPILLWAY	SS		USED FOR RELATIVELY SMALL VERTICAL DROPS AND SMALL FLOWS OF WATER		
	DROP INLET PIPE SPILLWAY	DIS		SAME AS PIPE SPILLWAY EXCEPT LARGER FLOWS AND LARGE VERTICAL DROPS CAN BE ACCOMMODATED.		
	WEIR SPILLWAY	W		USED FOR RELATIVELY SMALL VERTICAL DROPS AND FLOWS MUCH GREATER THAN PIPE STRUCTURES.		
	BOX INLET WEIR SPILLWAY	BS		SAME AS WEIR SPILLWAY EXCEPT LARGER FLOWS CAN BE ACCOMMODATED BECAUSE OF LOWER WEIR LENGTH.		
OUTLETS	LINED APRON	LA		PROTECTS DOWNSTREAM CHANNEL FROM HIGH VELOCITY OF FLOW DISCHARGING FROM STRUCTURES.		
	STONE RIP RAP	RR		USED AS AN ENERGY DISSAPATOR AT OUTLET STRUCTURES TO REDUCE VELOCITIES		
SEDIMENT BASINS	EMBANKMENT SEDIMENT BASIN	ES		USED WHERE TOPOGRAPHY LENDS ITSELF TO CONSTRUCTING A DAM AND EARTH FILL IS AVAILABLE.		
	EXCAVATED SEDIMENT BASIN	XS		USED WHERE EMBANKMENT COULD CAUSE A HAZARD DOWNSTREAM IN CASE OF FAILURE AND WHEN EXCESS EARTH FILL IS NOT AVAILABLE.		
	COMBINATION SEDIMENT BASIN	SB		USED WHEN TOPOGRAPHY IS SUITABLE BUT ADDITIONAL CAPACITY IS NEEDED.		
SEDIMENT FILTERS	BARRIER FILTER (SILT FENCE)	BF	X	A TEMPORARY BARRIER OF ENTRENCHED GEOTEXTILE FABRIC (FILTER FABRIC) STRETCHED ACROSS AND ATTACHED TO SUPPORTING POSTS USED TO INTERCEPT SEDIMENT LADEN RUNOFF FROM SMALL DRAINAGE AREAS OF DISTURBED SOIL.	X	
	VEGETATIVE FILTER	VF		USED ALONG DRAINAGEWAYS OR PROPERTY LINES TO FILTER SEDIMENT FROM RUNOFF. SIZE MUST BE INCREASED IN PROPORTION TO DRAINAGE AREA.		
	INLET PROTECTION	IP	X	USED FOR FILTERING SEDIMENT WITHIN GRASS AREAS BEFORE WATER ENTERS THE STORM SEWER	X	
	FILTER BASKET	FB	X	USED FOR FILTERING SEDIMENT WITHIN THE ROADWAY BEFORE ENTERING THE STORM SEWER	X	
MUD AND DUST CONTROL	STABILIZED CONST. ENTRANCE	SE		A STABILIZED PAD OF AGGREGATE UNDERLAIN WITH FILTER FABRIC LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET, ALLEY, SIDEWALK, OR PARKING AREA TO PREVENT MUD FROM BEING PICKED UP AND CARRIED OFF-SITE.		
	CONSTRUCTION ROAD STABILIZATION	CRS		THE STABILIZATION OF TEMPORARY CONSTRUCTION ACCESS ROUTES, SUBDIVISION ROADS, ON-SITE VEHICLE TRANSPORTATION ROUTES, AND CONSTRUCTION PARKING AREAS WITH STONE IMMEDIATELY AFTER GRADING TO PREVENT MUD FROM BEING PICKED UP AND CARRIED OFF-SITE.		
	DUST AND TRAFFIC CONTROL	DT	X	CONTROL OF DUST BLOWING AND MOVEMENT ON CONSTRUCTION SITES AND ROADS	X	
MISC.	EXPLORATORY TRENCH	ET	X	EXPLORATORY TRENCH EXCAVATION FOR EXISTING UTILITIES	X	
	CONCRETE WASHOUT	WO		PREVENTS THE DISCHARGE OF POLLUTANTS TO STORMWATER FROM CONCRETE WASTE IN A DESIGNATED WASHOUT AREA (CONCRETE WASHOUT BMP)		

SEEDING / SODDING CHART

STABILIZATION TYPE	CONTRACTOR RESPONSIBILITY JAN.	FEB.	MAR.	PER I.D.O.T. SPECIFICATIONS APR. 1 – JUNE 15 APR.	MAY	JUNE	CONTRACTOR RESPONSIBILITY JULY	PER I.D.O.T. SPECIFICATIONS AUG. 1 – NOV. 1 AUG.	SEPT.	OCT.	CONTRACTOR RESPONSIBILITY NOV.	DEC.
* DORMANT SEEDING (135lb/Ac)												
* TEMPORARY SEEDING (100lb/Ac)												
* PERMANENT SEEDING (See IDOT Specs.)						**	**					
* MULCHING (2 Tons/Ac)												
* SODDING (See IDOT Specs.)				PER I.D.O.T. SPECIFICATIONS				PER I.D.O.T. SPECIFICATIONS				

* SEE I.D.O.T SPECIFICATIONS FOR INSTALLATION AND APPLICATION REQUIREMENTS

** SUPPLEMENTAL WATERING MAYBE REQUIRED. (SEE I.D.O.T. SPECIFICATIONS FOR REQUIREMENTS)

EROSION CONTROL NOTES:

- No land disturbing activities shall not commence until approval to do so has been received by governing authorities, in addition to, no land clearing or grading shall begin until all perimeter erosion and sediment control measures have been installed. (Including Storm Water Pollution Prevention Plan per the development criteria.)
- The general contractor shall strictly adhere to the Storm Water Pollution Prevention Plan (SWPPP) during construction operations. (NO SWPPP IS REQUIRED FOR THIS PROJECT, HOWEVER THE CONTRACTOR SHALL FOLLOW STORM WATER PROTECTIONS BEST PRACTICES AND PROCEDURES AS IDENTIFIED IN THE PLAN SET AND SPECIFICATIONS OR AS REQUESTED BY THE VILLAGE AND/OR VILLAGES REPRESENTATIVE).
- All topsoil shall be stripped prior to filling
- All exposed areas shall be seeded as specified within 14 days of final grading.
- Should construction stop for longer than 14 days, the site shall be seeded as specified.
- Sediment and erosion control measures shall be inspected at least once every seven (7) days and within 24 hours of a rainfall exceeding 0.5 inches during a 24-hour period or more frequently if required by governing NPDES general permit. All maintenance required by inspection shall commence within 24 hours and be completed within 48 hours of report.
- This plan shall not be considered all inclusive as the general contractor shall take all necessary precautions to prevent soil sediment from leaving the site.
- General contractor shall comply with all state and local ordinances that apply.
- Additional erosion and sediment control measures will be installed if deemed necessary by on site inspection.
- If installation of storm drainage system should be interrupted by weather or nightfall, the pipe ends shall be covered with filter fabric.
- General contractor shall be responsible to take whatever means necessary to establish permanent soil stabilization.
- All sedimentation and erosion control regulations shall be adhered to per the Village of Oswego's requirements
- All erosion and sediment control practices shall be maintained and repaired as needed to ensure effective performance of the required erosion control measures.
- All erosion and sediment control work shall conform to the I.D.O.T. Manual for, standards and procedures for erosion control.
- All construction will adhere to the requirements set forth in the IEPA's new construction site activities National Pollutant Discharge Elimination System (NPDES) storm water permit.
- All roadways shall be cleaned at the end of each construction day.
- All disturbed areas shall be stabilized within 7 days of active disturbance.
- All erosion control measures shall be disposed of within 30 days of final stabilization of the site.
- Ground cover for 5:1 slopes or greater shall be established as soon as possible.
- All disturbed areas to to restored w/ 4" topsoil respread & seeding/sodding unless otherwise noted on plans
- Silt filter fabric shall be placed between frame and grate until vegetation is established. (See Detail)
- Utilize excelsior blanket on all slopes of 5:1 or greater.
  *Seeding per I.D.O.T. Manual, section 251,standard specifications for road and bridge construction, (latest edition
  *Class 3 type – slope mixture
  *Mulch/hydroseed per I.D.O.T. Manual, section 251, standard specifications for road and bridge construction, (latest edition
  *Mulch/hydroseed method 2, procedure 3
- No dimensions shall be assumed by scaling.
- No known drain tiles are present on the proposed development, if tiles are encountered during construction please notify the engineer immediately.
- No part of the proposed project is located within a flood hazard 10–100yr area a flood hazard area
- Excess material shall be placed at specified location unless otherwise specified by owner and approved by engineer for use of lot grading. Stockpiles shall be surrounded with filter fence and shall be seeded per I.D.O.T. Manual (latest addition) (temporary) if left more than 14 working days.
- General contractor shall notify all utility companies having underground utilities on site or in right-of-way prior to excavation. Contractor shall contact utility locating company and locate all utilities prior to grading start.

PHASING NOTES:

SEQUENCE OF MAJOR ACTIVITIES – AS APPLICABLE TO PROJECT

The Contractor will be responsible for implementing the following erosion control and storm water management control measures. The Contractor may designate these tasks to certain subcontractors as he sees fit, but the ultimate responsibility for implementing these controls and ensuring their proper functioning remains with the Contractor. The order of activities will be as follows (refer to the Erosion and Sediment Control Plan Sheet contained in this SWPPP for details and refer to the Suggested Phasing Plan in the design drawings for construction sequencing):

A. A pre-construction meeting shall be held by the Site Project Manager and the Operator's Engineer prior to land disturbing activities.
B. Install perimeter silt fences and inlet protection in the locations shown on the plan sheets.
C. Implement erosion control measures around the existing storm sewer to prevent sedimentation from infiltrating into the storm sewer system as shown on the plan sheets.
D. Construct temporary construction exits at locations shown on the Erosion Control plan sheets.
E. Begin clearing and grubbing operations. Clearing and grubbing shall be done only in areas where earthwork will be performed and only in areas where construction measures are planned to commence within 7 days after clearing and grubbing.
F. Disturbed areas of the site where Construction Activity has ceased for more than 7 days shall be temporarily seeded and watered.
G. Install suggested maintenance of traffic measures.
H. Commence utility construction installation.
I. Construct water main. Perform Testing, chlorination prior to main connections to existing water main. Finalize water main installation connections to exist. water main.
J. Perform shut down of existing water main for removal or abandonment.
K. Construct sanitary sewer main extension.
L. Construct proposed gutter inlets, area inlets, storm sewer manholes and proposed storm sewer.
M. Construct all curb and gutter. Inlet protection may be removed temporarily for this construction.
N. Remove inlet protection around inlets and manholes no more than 48 hours prior to placing stabilized base course.
O. Install base material as required for pavement.
P. Temporary seed all fill slopes around perimeter of project (if applicable).
Q. Carry out final grading, Respread topsoil, seed and other plantings, including rolled erosion control products where shown on the Erosion Control & Restoration Plan sheets.
R. Remove silt fencing only after all surfaces at are at least 70% growth of permanent seedings are stabilized.
S. Remove inlet protection around inlets and manholes.
T. Remove temporary construction exits

A schedule for implementation for the activities identified above is included as Form C–3 of the SWPPP.

FAILURE TO COMPLY:

In the event a notice of violation is issued on this project, any and all fines will be the sole responsibility of the contractor. The owner, owner's representative, or other owner's agents will not participate in any payment or reimbursement for fines and will not authorize time extensions due to delays in project progress for work stoppage required to remedy the violations.

SPECIFICATIONS AND GENERAL NOTES:

NOTES:

This plan has been prepared to comply with the provisions of the NPDES Permit Number issued by the Illinois Environmental Protection Agency for Stormwater Discharges from Construction Site Activities.

1. Site Description.

   a. The Overall project area is tributary to the Fox River.

   b. The following is a description of the construction activity which is the subject of this plan:
   The proposed improvements consists of construction of water main, storm sewer & sanitary sewer services installation, roadway patching including, curb and gutter replacement, sidewalk replacement, bike path pathing, and patching, clearing, grubbing, grading and restoration to existing conditions. The construction activities for site improvements will include: site clearing, grubbing, mass grading, pavement construction, installation of utilities including storm sewers, soil erosion and sedimentation control measures, as a minimum.

   c. The following is a description of the intended sequence of major activities which will disturb soils for major portions of the construction site such as grubbing, excavation, and grading:

   The sequence of the construction activities may be as follows:
   See Sequence of major activities on this sheet.

   d. The total area of the construction site is estimated to be less than 1.0 acres (0.12ac.).

   The total area if the site that is estimated to be disturbed by excavation, grading, or other activities, is less than 1.0 acres (0.12ac.) of total disturbance..

2. Controls.

   This section of the plan addresses the various controls that will be implemented for each of the major construction activities described in 1.b above. For each measure discussed, the contractors will be responsible for its implementation as indicated. 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.

   (i) 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. Except as provided in 2.a. (i) (A) and 2.b. stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 7 days after the construction activity in that portions of the site where construction activity will not occur for a period of 21 or more calendar days.

   (A) Where the initiation of stabilization measures by the 14th day after construction activity temporarily or permanently ceases is precluded by snow cover, stabilization measures shall be initiated as soon as practicable thereafter.

   The following interim and permanent stabilization practices, as a minimum will be implemented to stabilize the disturbed area of the site:

   1 Temporary Seeding
   2 Permanent seeding
   3 Erosion Blanket
   4 Barrier filter
   5 Inlet protection
   6 Outlet protection
   7 Vegetative filter
   8 Stabilized construction entrance
   9 Dust & Traffic Control

   (ii) 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. The installation of these devices may be subject to Section 404 of the Clean Water Act.

   1. Storm sewer system
   2. Vegetated drainage swales
   3. Permanent seeding
   4. Outlet protection
   5. Filter fabric
   6. Inlet protection

   b. Erosion Control. It shall be the Contractor's responsibility to provide adequate erosion control on the job site. The following erosion control sequence shall be adhered to:

   See Sequence of major activities on this sheet.

   Any siltation of conduits, structures, or ditches shall be cleaned and maintained by the Contractor, on a weekly basis, until the seeding has taken hold. All washouts, gullies, etc. will be regraded and reseeded by the Contractor, at the Contractor's expense.

   The Contractor's responsibility for erosion control shall extend throughout the construction process. The Contractor shall be responsible for cleanup of paved surfaces within and adjacent to the project.

   All erosion control practices shall be in compliance with the latest revision of the "Standard Specifications for Road and Bridge Construction," by the Illinois Department of Transportation and with "Standards and Specifications for Soil Erosion and Sedimentation Control" as published by the Illinois Environmental Protection Agency.

   If a topsoil stockpile location is provided and approved by the County, Contractor shall establish erosion control measures for the stockpile if it is to remain in place for more than three days. In addition, barrier filter fence shall enclose topsoil stockpile location with exception of truck access during construction hours.

   c. Stormwater Management.

   (i) Provided below is a description of measures that will be installed during the construction process to control pollutants in stormwater 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.

   The practices selected for implantation were determined on the basis of the technical guidance contained in IEPA's Standard Specifications for Soil Erosion and Sedimentation Control, and other ordinances listed in the Specifications.

   The stormwater pollutant control measures shall include:

   1. Silt filter fence
   2. Drainage swales
   3. Storm sewers
   4. Rip–rap outlet protection
   5. Straw bale inlet protection
   6. Retention/Detention ponds

   (ii) VeloVillage dissipation devices will be placed at discharge locations and along the length of any outfall channel as necessary to provide a non–erosive veloVillage 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).

   Stormwater Management Control includes
   1 Stone Riprap
   2 Filter Fabric
   3 Vegetative channels.
   4 Outlet protection using Gabion mattress.
   5 Inlet protection.

3. Other Controls.

   (i) Waste Disposal. The solid waste materials including trash, construction debris, excess construction materials, machinery, tools and other items will be collected and disposed off–site by the contractor. The contractor is responsible to acquire any permit required for such disposal. Burning on the site will not be permitted. No solid materials, including building materials, shall be discharged into Waters of the State, except as authorized by a Section 404 permit.

   (ii) The provisions of this plan shall ensure and demonstrate compliance with applicable State and/or local waste disposal, sanitary sewer or septic system regulations.

The sanitary sewage will be discharged to the proposed sanitary sewer constructed per IEPA and local standards.

   a. Approved State or Local Plans.

   The management practices, controls and other provisions contained in this plan are at least as protective as the requirements contained in the Illinois Environmental Protection Agency's Standards and Specifications for Soil and Erosion and Sediment Control dated October 1987, Illinois Procedures and Standards for Urban Soil Erosion and Sedimentation Plan, and the Municipal Subdivision Ordinance. Requirements specified in sediment and erosion control site plans or site permits or stormwater management or 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 this permit, incorporated by reference and are enforceable under this permit even if they are not specifically included in the plan.

   b. Maintenance.

   The following is a description of procedures that will be used to maintain, in good and effective operating conditions, vegetation, erosion and sediment control measures and other protective measures identified in this plan and Standard Specifications.

   Stabilized construction entrance: The entrance shall be maintained to prevent tracking of sediment onto public streets. This will be done by top dressing with additional stones, remove and replace top layer of stones or washing the entrance. The sediment washed on the public right–of–way will be removed immediately.

   Vegetative erosion control measures: The vegetative growth of temporary and permanent seeding, sodding, vegetative channels, vegetative filter, etc. shall be maintained periodically and supply adequate watering and fertilizer. The vegetative cover shall be removed and reseeded as necessary.

   Sedimentation basins/traps: The sediments shall be removed when 25 percent of the total original capaVillage is occupied by the sediment. In no case shall the sediment be built up to more that 1 foot below the crest elevation. At this stage, the basin shall be cleaned out to restore its original volume.

   Silt filter fence: The damaged silt filter fence shall be restored to meet the standards or removed and replaced as needed.

   Straw bale barrier filters: The straw bale barrier filter shall be inspected frequently and shall be repaired or removed and replaced as needed.

   Rip–rap outlet protection: It shall be inspected after high flows for any scour beneath the Rip–rap or for stones that have been dislodged. It shall be repaired immediately.
   Inlet Protection: Shall be inspected and emptied of silt if filled as required.

   Disturbed areas shall be stabilized with temporary or permanent measures within 7 calendar days following the end of active disturbance, or redisturbance, consistent with the following criteria:

   (i) Appropriate temporary or permanent stabilization measures shall include seeding, mulching, sodding, and/or non–vegitative measures.
   (ii) Areas having slopes greater than 12 percent shall be stabilized with sod, mat, or blanket in combination with seeding or equivalent.

   Soil storage piles containing more than 10 cu. yds. of material shall not be located with a downslope drainage length less than 25 feet to a roadway or drainage channel. Filter barriers, including straw bales, filter fence, or equivalent, shall be installed immediately on the down slope of the piles.

4. Inspections.

   The Owner, or Owner's representative shall provide qualified personnel to inspect disturbed areas of the construction site which have not been finally stabilized, structural control measures and location where vehicles enter or exit the site. Such inspections shall be conducted at least once every seven (7) calendar days within 24 hours of the end of a storm that is 0.5 inches or greater or equivalent snowfall.

   a. Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the plan shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of off–site sediment tracking.

   b. Based on the results of the inspection, the description of potential pollutant sources identified in section 1 above and pollution prevention measures identified in section 2 above shall be revised as appropriate as soon as practicable after such inspection. Any changes to this plan resulting from the required inspections shall be implemented within 7 calendar days following the inspection.

   c. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of this stormwater pollution prevention plan and actions taken in accordance with section 4.b. shall be made and retained as part of the plan for at least three (3) years after the date of the inspection. The report shall be signed in accordance with Part VI.G of the general permit.

   d. 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 or Resident Technician shall complete and file an "Incidence of Noncompliance" (ION) report for the identified violation. The Resident Engineer or Resident Technician shall use forms provided by the Illinois Environmental Protection Agency 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 noncompliance shall be signed by a responsible authority in accordance with Part VI. G of the general permit. The report of noncompliance shall be mailed to the following address:

   Illinois Environmental Protection Agency
   Division of Water Pollution Control
   Attn: Compliance Assurance Section
   2200 Churchill Road
   Post Office Box 19276
   Springfield, Illinois 62794–9276

5. Non–Stormwater Discharges.
   Except for flows from fire fighting activities, sources of non–stormwater that may be combined with stormwater discharges associated with the industrial activity addressed in this plan, are described below:

   a. Water main flushing
   b. Fire hydrant flushing
   c. Watering for dust control
   d. Irrigation drainage for vegetative growth for seeding, etc..

   The pollution prevention measures, as described below, will be implemented for non–stormwater components of the discharge:

   The fire hydrant and water main shall not be flushed directly on the exposed area of sub grade of the pavement. Hoses shall be used to direct the flow into to the storm sewer system, if available.

   The erosion due to irrigation of seeding shall be considered minor.

   Contractor to provide the above non–stormwater discharged control to the standard specification required by the Village or the approved equal.

6. Monitoring and Management Plan
   A three–year maintenance and monitoring plan is required after installation of native landscaping.
   See Project Specifications for details.

CONTRACTOR'S AND SUBCONTRACTOR'S CERTIFICATE

I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit (ILR10) that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

CONTRACTOR'S PRINTED NAME AND SIGNATURE — CERTIFICATION DATE

CONTRACTOR TITLE — TELEPHONE NUMBER

CONTRACTOR COMPANY NAME AND ADDRESS

SUBCONTRACTOR'S NAME AND SIGNATURE — CERTIFICATION DATE

SUBCONTRACTOR'S TITLE — TELEPHONE NUMBER

SUBCONTRACTOR'S COMPANY NAME AND ADDRESS

Plainfield Rd and Woolley Rd – Watermain Extension, Oswego, IL

SITE ADDRESS

IEPA: ILR10 PERMIT #_____

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 3/3/2023 12:48 PM
FILE NAME: 200055.18–Details DWG To PDF.pc3
PLOT DRAWER: ILDOT–Standard.ctb
PEN TABLE:

HRGreen.com
Illinois Professional Design Firm #184.001322
HRGreen

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FILE NAME = 200055.18–Details	DRAWN – MPL	REVISED –	
PLOT SCALE = N.T.S.	CHECKED – DWS	REVISED –	
PLOT DATE = 3/13/2023	DATE – 03/16/2023	REVISED –	

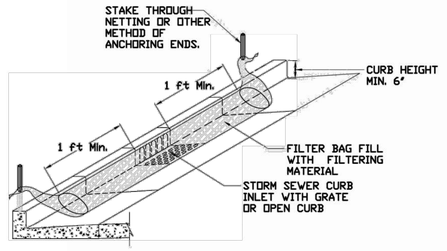
VILLAGE OF OSWEGO
PLAINFIELD RD. AND WOOLLEY RD.
WATER MAIN EXTENSION

EROSION / RESTORATION SPECIFICATIONS

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
____	_____	KENDALL	16	08
		CONTRACT NO. _____		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

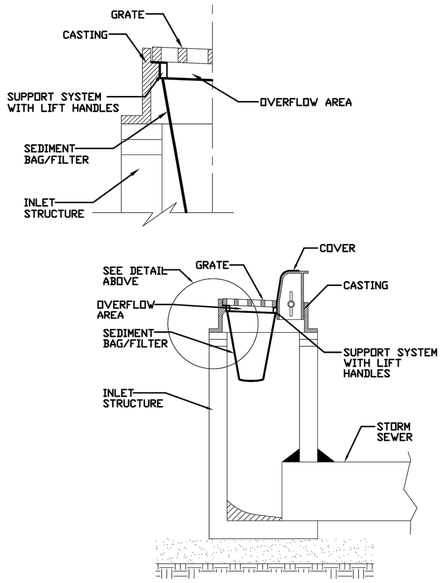
(IP) INLET PROTECTION - IMPERVIOUS AREAS CURB PROTECTION



REFERENCE
Project
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

STANDARD DWG. NO.
IUM-561C
SHEET 1 OF 1
DATE 01-11-11

(IP) INLET PROTECTION - PAVED AREAS DROP-IN PROTECTION

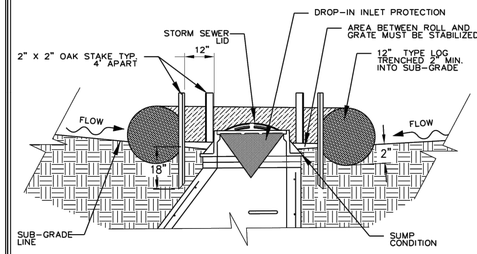


REFERENCE
Project
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

STANDARD DWG. NO.
IUM-561D
SHEET 1 OF 1
DATE 01-11-11

(IP) INLET PROTECTION LOG TYPE

NOT TO SCALE



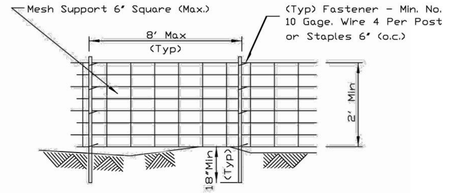
SECTION

NOTES:
1. 2" x 2" nominal hardwood stakes, 4 foot minimum length, driven into ground approximately 18 inches, stakes driven a minimum width of 12 inches away from the drop inlet.
2. Area inside the log, from edge of fabric to structure, must be stabilized with erosion control blanket. Turf Reinforcement Mat, Geotextile 592 Table 2 Class 2 or CA-7 stone.
3. The maximum distance between the stakes should be 4 feet.
4. A maintenance schedule must maintain a sediment accumulation of less than 50% of the height of the log.

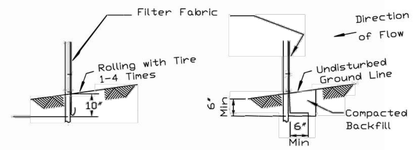
REFERENCE
Project
Designned _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

STANDARD DWG. NO.
IUM-562
SHEET 1 OF 1
DATE 11-30-2015

(BF) SILT FENCE WITH WIRE SUPPORT PLAN



ELEVATION



FABRIC ANCHOR DETAIL

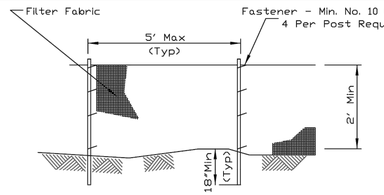
STATIC SLICE INSTALLATION TRENCH INSTALLATION

NOTES:
1. Silt Fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization. Silt fence shall be placed on the flattest area available.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 ,class2 with equivalent opening size of at least 30 for nonwoven and 40 for woven.
3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE
Project
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

STANDARD DWG. NO.
IUM-620A(W)
SHEET 1 OF 2
DATE 3-16-2012

(BF) SILT FENCE PLAN



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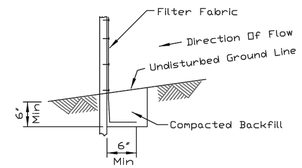


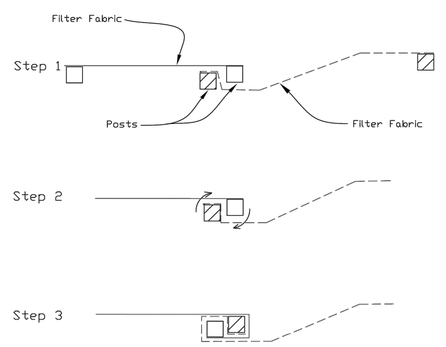
FABRIC ANCHOR DETAIL

NOTES:
1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 40 for woven.
3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE
Project
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

STANDARD DWG. NO.
IUM-620A
SHEET 1 OF 2
DATE 3-16-12

(BF) SILT FENCE - SPLICING TWO FENCES



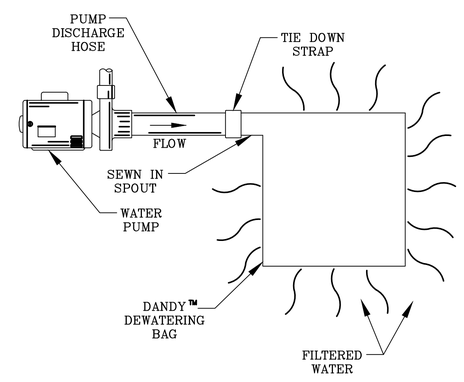
ATTACHING TWO SILT FENCES

1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Cut the fabric near the bottom of the stakes to accommodate the 6" flap.
4. Drive both posts a minimum of 18 inches into the ground and bury the flap.
5. Compact backfill (particularly at splices) completely to prevent stormwater piping.

REFERENCE
Project
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

STANDARD DWG. NO.
IUM-620B(W)
SHEET 1 OF 1
DATE 3-16-2012

DANDY DEWATERING BAG™



DETAIL OF A DEWATERING BAG

PROJECT:		DR. BY:
CITY/STATE:	DATE:	DR. NO:

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 3/13/2023 12:48 PM
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PLOT SCALE = N.T.S.	CHECKED - DWS	REVISED -	
PLOT DATE = 3/13/2023	DATE - 03/16/2023	REVISED -	

VILLAGE OF OSWEGO
PLAINFIELD RD. AND WOOLLEY RD.
WATER MAIN EXTENSION

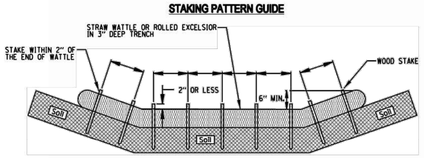
EROSION CONTROL DETAILS

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
____	_____	KENDALL	16	09
		CONTRACT NO. _____		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

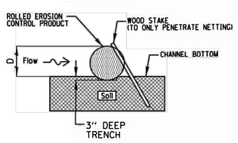
(DC) ROLLED EROSION CONTROL PRODUCTS

STAKING PATTERN GUIDE



NOTES:
1. OVERLAP MINIMUM IS THE DIAMETER OF THE ROLL.
2. 4' SPACING FOR WATTLES.
3. 2' SPACING FOR ROLLED EXCELSIOR.
4. OR SPACE ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

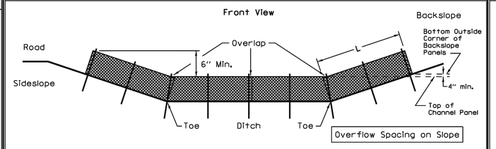
STAKE DETAIL

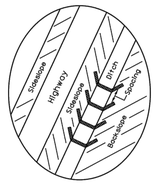


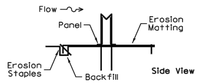
NOTES:
1. DRAWINGS ARE NOT TO SCALE.
2. ENDS OF WATTLES OR ROLLED EXCELSIOR SHALL BE TURNED AT LEAST 6" UPSLOPE.
3. RECOMMENDED STAKES ARE 1 1/8" WIDE x 1 1/8" THICK x 30" LONG.
4. STAKES SHALL NOT EXTEND ABOVE THE STRAW WATTLE MORE THAN 2".
5. SPACING: THE TOE OF THE UPSTREAM DITCH CHECK SHALL CREATE A HORIZONTAL LINE WITH THE TOP OF THE DOWNSTREAM DITCH CHECK.

REFERENCE		STANDARD DWG. NO.
Project		IUM-514
Designed ____ Date ____		SHEET 1 OF 1
Checked ____ Date ____		DATE 08-2-2019
Approved ____ Date ____		

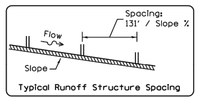
(DC) SYNTHETIC POROUS RUNOFF CONTROL STRUCTURES







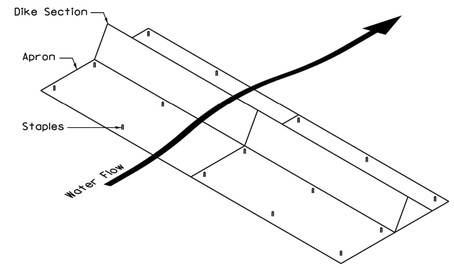
Minimum Installation Length up Slopes	
Slope	Panels
2:1	1
2.5:1	1.5
3:1	2
3.5:1	2
4:1	2
5:1	2.5
6:1	2.5

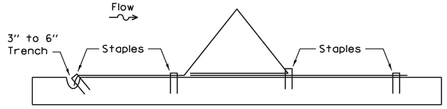


Typical Runoff Structure Spacing

REFERENCE		STANDARD DWG. NO.
Project		IUM-514
Designed ____ Date ____		SHEET 1 OF 1
Checked ____ Date ____		DATE 8-19-11
Approved ____ Date ____		

(DC) URETHANE FOAM GEOTEXTILES





REFERENCE		STANDARD DWG. NO.
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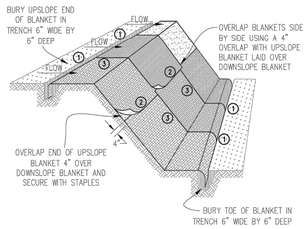
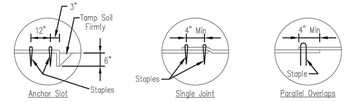
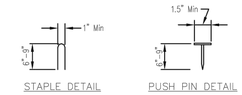
Designed ____ Date ____		SHEET 1 OF 1
Checked ____ Date ____		DATE 6-30-11
Approved ____ Date ____		





DETAIL 1 DETAIL 2 DETAIL 3



NOTES:

1. Staples shall be placed in a diamond pattern at 2 per s.y. for stitched blankets. Non-stitched shall use 4 staples per s.y. of material. This equates to 200 staples with stitched blanket and 400 staples with non-stitched blanket per 100 s.y. of material.
2. Staple or push pin lengths shall be selected based on soil type and conditions. (minimum staple length is 6")
3. Erosion control material shall be placed in contact with the soil over a prepared seedbed.
4. All anchor slots shall be stapled at approximately 12" intervals.

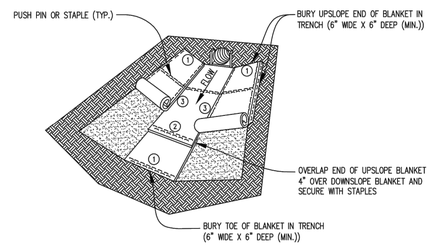
Rev.	No.	Description	Date
1			
2			
3			

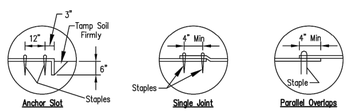
Standard No. IUM-514

(EB) EROSION CONTROL BLANKET INSTALLATION DETAILS

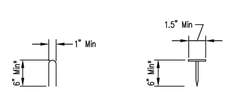
Designed	Date
Drawn by JOHNSON	11/08
Checked	
Approved	

(EB) EROSION CONTROL BLANKET - TURF REINFORCEMENT MAT (TRM)





DETAIL 1 DETAIL 2 DETAIL 3



*Note:
1. For sandy soil conditions, staple or push pin shall be a minimum 8 inches.

REFERENCE		STANDARD DWG. NO.
Project		IUM-531
Designed ____ Date ____		SHEET 1 OF 1
Checked ____ Date ____		DATE 02-22-11
Approved ____ Date ____		

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
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PLOT DATE = 3/13/2023	DATE - 03/16/2023	REVISED -

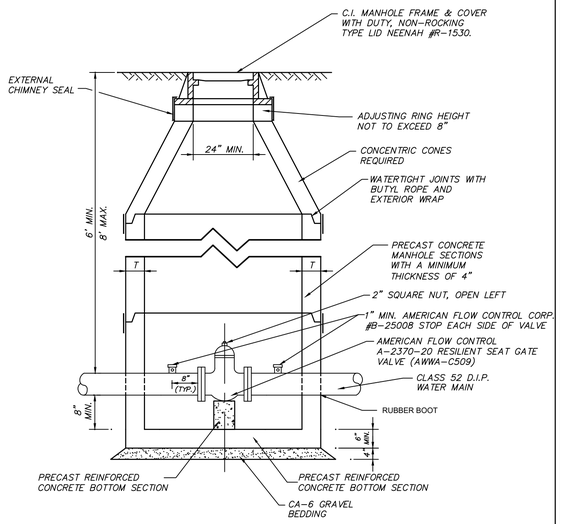
VILLAGE OF OSWEGO
PLAINFIELD RD. AND WOOLLEY RD.
WATER MAIN EXTENSION

EROSION CONTROL DETAILS

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
____	_____	KENDALL	16	10
		CONTRACT NO. _____		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

STANDARD VALVE VAULT DETAIL



NOTES:

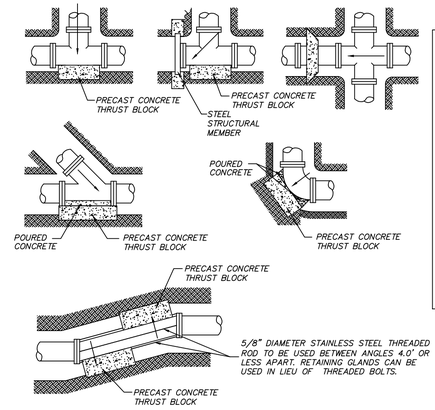
1. DRAIN FOR VALVE VAULT SHALL BE CONSTRUCTED ONLY WHEN SHOWN ON PLANS.
2. FOR PRESSURE CONNECTION SEE SEPARATE DETAIL.

DIAMETER OF WATER MAIN	D	T
8 INCHES AND UNDER	4'-0"	4"
10 INCHES AND OVER	5'-0"	5"

REVISIONS	
INITIAL	DATE
JPH	MARCH 2007

OSW-W-8

THRUST BLOCK INSTALLATION DETAIL



BEARING AREA (SQ. FT.)

PIPE SIZE	TEE/PLUG	90°	45°	22-1/2°	11-1/4°
6	4	2	1	1	1
8	6	4	3	1	1
10	7	5	3	2	1
12	8	6	4	3	2
14	12	9	6	4	3
16	15	12	7	5	3
18	18	15	9	5	4
24	40	30	15	10	5

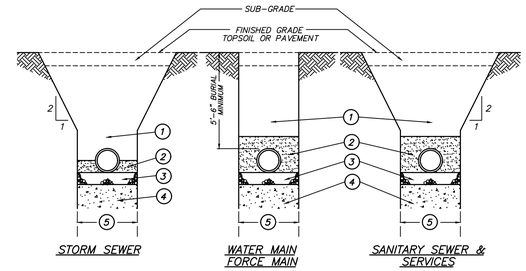
ALL BLOCKING SHALL BE 12" PRE-CAST CONCRETE BLOCK AGAINST UNDISTURBED EARTH.

ALL BENDS OR ELBOWS GREATER THAN AND INCLUDING 11-1/4° SHALL HAVE THRUST BLOCKING.

REVISIONS	
INITIAL	DATE
JPH	MARCH 2007

OSW-W-2

TRENCH BEDDING/BACKFILLING CROSS SECTION



(1) Trench backfill under pavement, curb and gutter as indicated in road subgrades and within 2 feet of any proposed curb and gutter or sidewalk. Mechanically compacted backfill of excavated materials in other locations if approved by the Village Engineer. Refer to trench backfill special provisions for materials and compaction requirements.

(2) **WATER MAIN, FORCE MAIN (D.I.P.)**
Compacted granular material CA-7 to 4" above top of pipe.

(2) **SANITARY SEWER (PVC)**
Compacted granular material CA-7 to 12" above top of pipe (also see note #1 below).

(2) **STORM SEWER**
Compacted granular backfill material CA-7 to spring line of pipe

(3) 4" compacted granular bedding, CA-7 gradation.

(4) Unsuitable material to be removed where directed by Engineer and replaced with suitable material and compacted.

(5) Trench Width – Pipe O.D. + 12" minimum
Pipe O.D. + 18" maximum

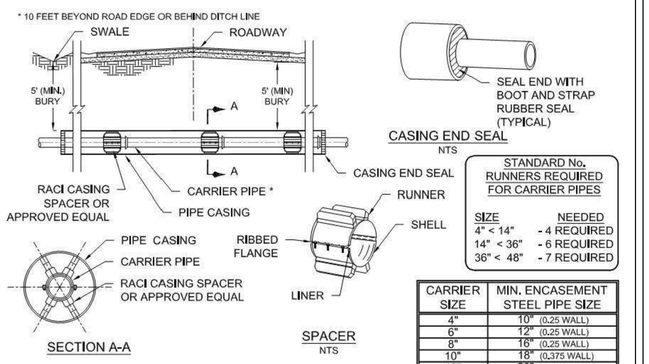
NOTES:

1. PVC pipe conforming to the SDR specified in the plans shall be installed to the latest revised specification requirements of ASTM D-2321 using either compacted Class I or Class II granular embedment materials for bedding, haunching and initial backfill of 12 inches over the top of pipe to provide the necessary support for the pipe so that the maximum deflection does not exceed 5% of the pipe's original internal diameter.
2. All CA-7 to be IDOT approved or meet IDOT specifications.

REVISIONS	
INITIAL	DATE
JPH	MARCH 2007

TYPICAL CASING PIPE INSTALLATION

NOTE: CASING LENGTHS MAY VARY



CASING END SEAL
NTS

SECTION A-A

SPACER
NTS

STANDARD No. RUNNERS REQUIRED FOR CARRIER PIPES

SIZE	NEEDED
4" < 14"	- 4 REQUIRED
14" < 36"	- 6 REQUIRED
36" < 48"	- 7 REQUIRED

CARRIER SIZE	MIN. ENCASEMENT STEEL PIPE SIZE
4"	10" (0.25 WALL)
6"	12" (0.25 WALL)
8"	16" (0.25 WALL)
10"	18" (0.375 WALL)
12"	20" (0.375 WALL)
14"	24" (0.375 WALL)
16"	26" (0.375 WALL)
18"	30" (0.375 WALL)
20"	36" (0.375 WALL)
24"	42" (0.375 WALL)

NOTES:

1. UNDERGROUND CROSSINGS REQUIRE A MIN. VERTICAL CLEARANCE OF 5' BELOW PAVEMENT SUBGRADE FOR CITY STREETS, HIGHWAYS AND SUBAQUEOUS CROSSINGS AND WHEN BELOW UNPAVED GROUND INCLUDING DITCH GRADE FOLLOW VILLAGE OF OSWEGO'S REQUIREMENTS.

SPACERS

1. SPACERS SHALL BE BOLT-ON STYLE WITH A TWO PIECE SOLID SHELL MADE FROM T-304 STAINLESS STEEL, MINIMUM 14 GAUGE THICKNESS. THE SHELL SHALL BE LINED WITH A RIBBED PVC SHEET OF A 0.090" THICKNESS THAT OVERLAPS THE EDGES. RUNNERS MADE FROM UHMW POLYMER SHALL BE ATTACHED TO RISERS AT APPROPRIATE POSITIONS TO PROPERLY LOCATE THE CARRIER WITHIN THE CASING AND TO EASE INSTALLATION. RISERS SHALL BE MADE FROM T-304 STAINLESS STEEL OF A MINIMUM 14 GAUGE THICKNESS AND SHALL BE ATTACHED TO THE SHELL BY MIG WELDING. ALL WELDS SHALL BE FULLY PASSIVATED. ALL FASTENERS SHALL BE MADE FROM T-304 STAINLESS STEEL.

CARRIER PIPE

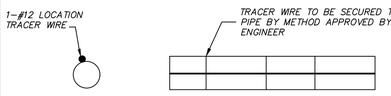
1. CARRIER PIPE SHALL BE CENTERED WITHIN CASING BY USE OF STAINLESS STEEL CASING SPACERS.

PLACEMENT OF SPACERS ON CARRIER PIPE

1. GENERAL - ONE SPACER SHALL BE PLACED NOT MORE THAN TWO FEET FROM EACH END OF CASING. SUBSEQUENT SPACERS SHALL BE PLACED AT 6' TO 10' INTERVALS WITHIN THE CASING, OR IN ACCORDANCE WITH PIPE MANUFACTURER'S RECOMMENDATIONS.
2. PVC CARRIER - ONE SPACER SHALL BE PLACED ON THE SPIGOT END OF EACH SEGMENT AT THE LINE MARKING THE LIMIT OF INSERTION INTO THE BELL. WHEN THE JOINT IS COMPLETE, THE SPACER SHALL BE IN CONTACT WITH THE BELL OF THE JOINT SO THAT THE SPACER PUSHES THE JOINT AND RELIEVES COMPRESSION WITHIN THE JOINT. SUBSEQUENT SPACERS SHALL BE PLACED AT 6' TO 10' INTERVALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

TRACER WIRE INSTALLATION

FOR PVC AND DUCTILE IRON PIPES OPEN CUT INSTALLATION METHOD



CROSS SECTION TOP VIEW

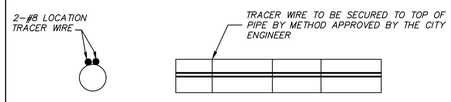
NOTES:

INSTALLATION OF LOCATION (TRACER) WIRE

A. Install location wire with buried water lines in accordance with the manufacturer's installation instructions and as specified in Contract Documents as required.
B. Install the location wire directly on top of the buried pipe.
C. In all pipe installations, loop the location wire up into the valve boxes for connection to a locating device. The wire shall be one continuous piece from valve box to valve box up to 1250 feet maximum.
D. Location tracer wire to be considered incidental to water main installation.

TRACER WIRE INSTALLATION

FOR PVC AND DUCTILE IRON PIPES DIRECTIONAL DRILL INSTALLATION METHOD



CROSS SECTION TOP VIEW

NOTES:

Tracer or location wire shall be a direct burial #8 AWG Solid Wire, steel core hard drawn extra high strength horizontal directional drill tracer wire, 1150# average tensile break load, 45 mil. High molecular weight-high density blue polyethylene jacket complying with ASTM D1248, 30 volt rating. The wire shall be contiguous except at test stations, valve boxes, and where splicing is required. All splices shall be encased with a 3M-Gel Pack model No. 054007-09053. Wire insulation shall be highly resistant to alkalis, acid and other destructive agents found in soil. Location Wire shall be from Copperhead Industries, LLC, part number 1230B-HS or approved equal

Tracer wire shall be installed simultaneously with pullback of the PVC pipe. Wire shall either be wrapped around the pipe or taped to the pipe at 10 foot minimum intervals before installation.

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PROJECT CONTACT:
CLIENT:
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Illinois Professional Design Firm #184.001322
HRGreen

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FILE NAME = 200055.18-Details	DRAWN - MPL	REVISED -	
PLOT SCALE = N.T.S.	CHECKED - DWS	REVISED -	
PLOT DATE = 3/13/2023	DATE - 03/16/2023	REVISED -	

VILLAGE OF OSWEGO
PLAINFIELD RD. AND WOOLLEY RD.
WATER MAIN EXTENSION

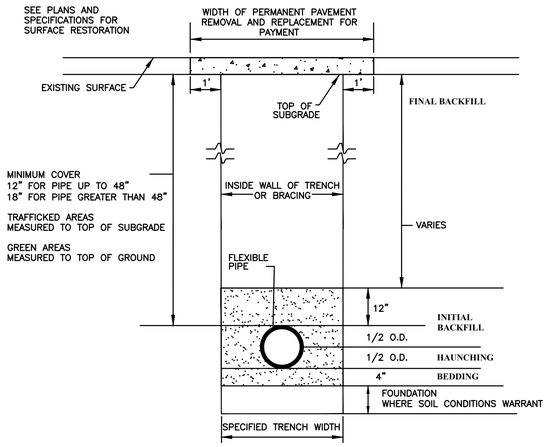
VILLAGE DETAILS

SCALE: N.T.S. | SHEET NO. 01 OF 03 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
_____	_____	KENDALL	16	11

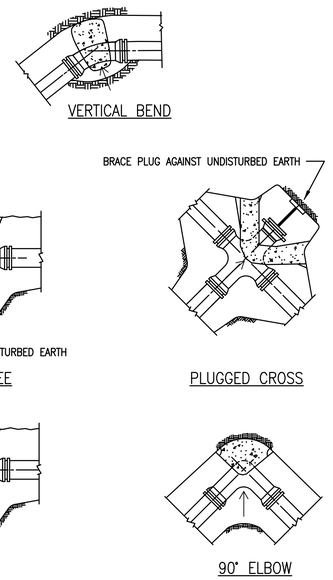
CONTRACT NO. _____

FED. ROAD DIST. NO. _ | ILLINOIS | FED. AID PROJECT



FLEXIBLE PIPE INSTALLATION DETAIL

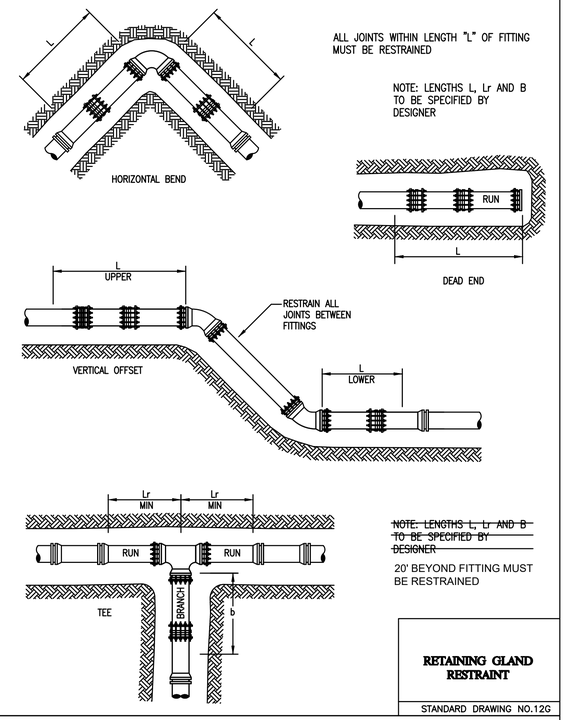
STANDARD DRAWING NO.2



NOTE: ALL BLOCKS BEAR AGAINST UNDISTURBED EARTH.
ARROWS INDICATE DIRECTION OF THRUST.
ALL BLOCKS TO BE 3000 P.S.I CONCRETE.
ALL FITTINGS SHOWN IN PLAN EXCEPT VERTICAL BEND.

TYPICAL THRUST BLOCK INSTALLATIONS

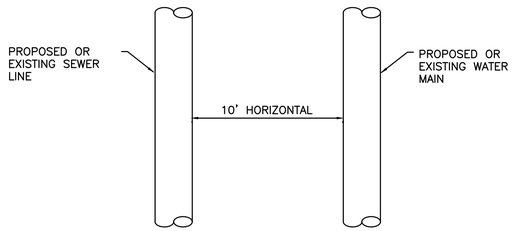
STANDARD DRAWING NO.12



RETAINING GLAND RESTRAINT

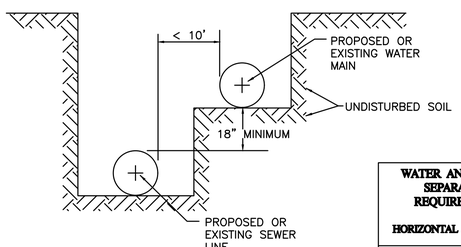
STANDARD DRAWING NO.12G

WHEN PROPOSED SEWER (OR WATER) IS LOCATED 10 FEET OR MORE FROM EXISTING WATER (OR SEWER), NO SPECIAL CONSTRUCTION REQUIRED. SEE ARTICLE 41–2.01A (1)



PLAN VIEW

WHEN PROPOSED SEWER (OR WATER) IS LOCATED LESS THAN 10 FEET FROM EXISTING WATER (OR SEWER), DETAILS BELOW SHALL APPLY. SEE ARTICLE 41–2.01B (2)



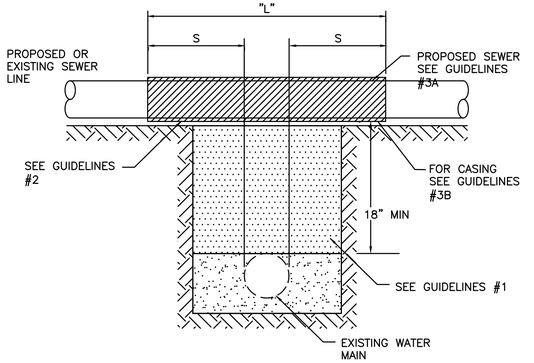
WATER AND SEWER SEPARATION REQUIREMENTS

HORIZONTAL SEPARATION

STANDARD DRAWING NO.18

PROPOSED SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION ABOVE EXISTING WATER MAIN

NOTE: COMPACTION REQUIREMENTS REFER TO ARTICLE 20–4



NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING WATER MAIN

GUIDELINES

1. IF SELECT GRANULAR BACKFILL EXISTS: REMOVE WITHIN WIDTH OF PROPOSED SEWER TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT
2. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND
3. COMPACT THE LENGTH OF "L" FEET.

   A) CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR;

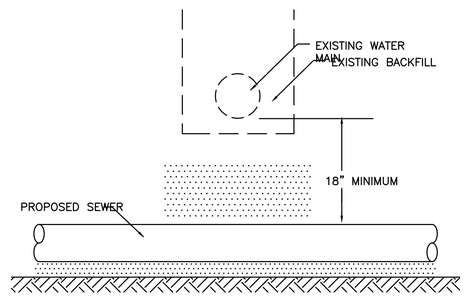
   B) USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.

WATER AND SEWER SEPARATION REQUIREMENTS

VERTICAL SEPARATION

STANDARD DRAWING NO.19

PROPOSED SEWER LINE BELOW EXISTING WATER MAIN WITH 18" MINIMUM VERTICAL SEPARATION.



GUIDELINES

1. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH.

WATER AND SEWER SEPARATION REQUIREMENTS

VERTICAL SEPARATION

STANDARD DRAWING NO.20

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 3/13/2023 12:49 PM
FILE NAME: 200055.18–Details
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: ILDOT–Standard.ctb

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USER NAME = MLEWIS	DESIGNED – MPL	REVISED –
FILE NAME = 200055.18–Details	DRAWN – MPL	REVISED –
PLOT SCALE = N.T.S.	CHECKED – DWS	REVISED –
PLOT DATE = 3/13/2023	DATE – 03/16/2023	REVISED –

VILLAGE OF OSWEGO
PLAINFIELD RD. AND WOOLLEY RD.
WATER MAIN EXTENSION

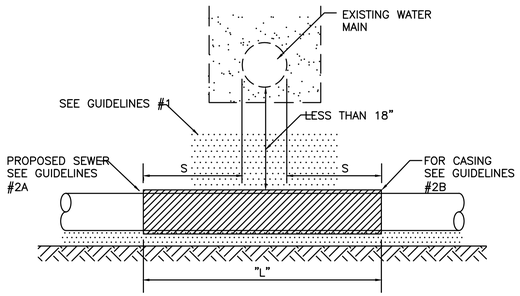
ILLINOIS WATER & SEWER DETAILS

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
____	_____	KENDALL	16	12
		CONTRACT NO. _____		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PROPOSED SEWER LINE BELOW EXISTING WATER MAIN WITH LESS THAN 18" MINIMUM VERTICAL SEPARATION.

NOTE: COMPACTION REQUIREMENTS REFER TO ARTICLE 20-4



NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING WATER MAIN

GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR "S" FEET ON EACH SIDE OF WATER MAIN.
2. A) CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR;

   B) USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.
3. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH

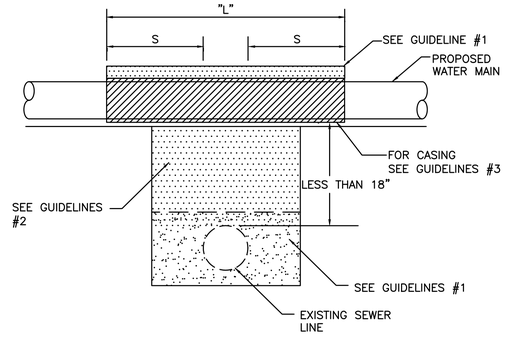
WATER AND SEWER SEPARATION REQUIREMENTS

VERTICAL SEPARATION

STANDARD DRAWING NO.21

PROPOSED WATER MAIN ABOVE EXISTING SEWER LINE WITH LESS THAN 18" VERTICAL SEPARATION

NOTE: COMPACTION REQUIREMENTS REFER TO ARTICLE 20-4



NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING SEWER LINE.

GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND
3. COMPACT.

   USE "L" FEET OF WATER MAIN MATERIAL FOR CASING
4. OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.

   POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATER MAIN CASING AND SEWER

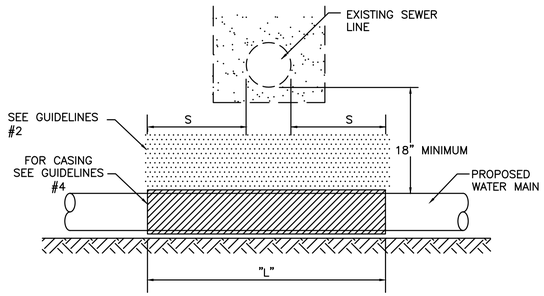
WATER AND SEWER SEPARATION REQUIREMENTS

VERTICAL SEPARATION

STANDARD DRAWING NO.22

PROPOSED WATER MAIN BELOW EXISTING SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION.

NOTE: COMPACTION REQUIREMENTS REFER TO ARTICLE 20-4



NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING SEWER LINE

GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND
3. COMPACT.

   PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE
4. TO PREVENT DAMAGE DUE TO SETTLEMENT.

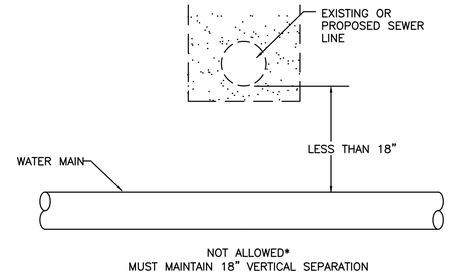
   USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.

WATER AND SEWER SEPARATION REQUIREMENTS

VERTICAL SEPARATION

STANDARD DRAWING NO.23

PLACEMENT OF WATER MAIN BELOW EXISTING OR PROPOSED SEWER LINE WITH LESS THAN 18" MINIMUM VERTICAL SEPARATION. **NOT ALLOWED.**



NOT ALLOWED*
MUST MAINTAIN 18" VERTICAL SEPARATION

WATER AND SEWER SEPARATION REQUIREMENTS

VERTICAL SEPARATION

STANDARD DRAWING NO.24

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 3/13/2023 12:49 PM
FILE NAME: 200055.18-Details
PLOT DRIVER: DWG To PDF.pc3
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FILE NAME = 200055.18-Details	DRAWN – MPL	REVISED –
PLOT SCALE = N.T.S.	CHECKED – DWS	REVISED –
PLOT DATE = 3/13/2023	DATE – 03/16/2023	REVISED –

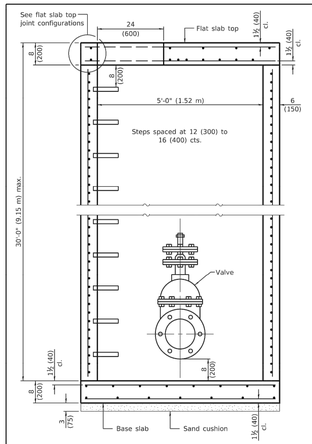
VILLAGE OF OSWEGO
PLAINFIELD RD. AND WOOLLEY RD.
WATER MAIN EXTENSION

ILLINOIS WATER & SEWER DETAILS

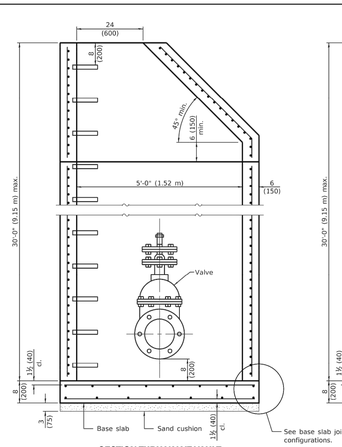
SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
____	_____	KENDALL	16	13
		CONTRACT NO. _____		

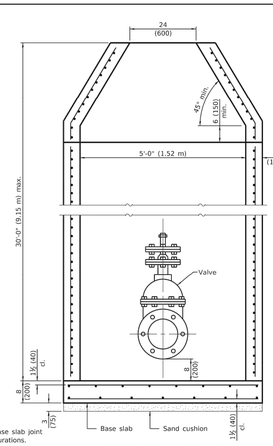
FED. ROAD DIST. NO. _ | ILLINOIS | FED. AID PROJECT



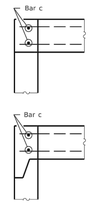
SECTION THRU VALVE VAULT
(Without conical top)



SECTION THRU VALVE VAULT
(With conical top)



SECTION THRU VALVE VAULT
(With concentric conical top)



FLAT SLAB TOP JOINT CONFIGURATIONS
(Shown at access hole)

GENERAL NOTES

Use this standard for water mains ≥ 10 (250).

The manufacturer shall ensure that all precast manhole sections are additionally reinforced where required to resist damage from handling, shipping and installation stresses.

Lifting holes shall be located in the sections as per the manufacturer's recommendations.

See Standard 602701 for details of manhole steps.

All dimensions are in inches (millimeters) unless otherwise noted.

Illinois Department of Transportation

PASSED January 1, 2021
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2021
ENGINEER OF DESIGN AND ENVIRONMENT

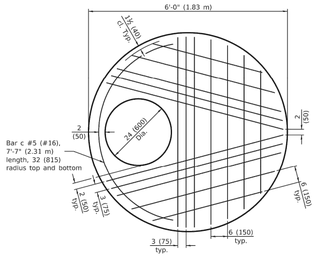
BDE 2.10 BOARD 1-1-18

DATE	REVISIONS
1-1-21	Revised lifting hole general note.
3-1-19	Moved wall reinforcement from
	inside face to middle.

PRECAST VALVE VAULT TYPE A 5' (1.52 m) DIAMETER

(Sheet 1 of 2)

STANDARD 602506-03



PLAN - FLAT SLAB TOP
(Showing layout of bottom reinforcement bars and c bars)

FLAT SLAB TOP REINFORCEMENT

Location	WWR (each direction)		Rebar (each direction except as noted)		
	A_s (min.)	Spacing (max.)	A_s (min.)	Spacing (max.)	Bar Size
Top Mat	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)	#3 or #4 (#10) (#13)
Bottom Mat	* 0.40 sq. in./ft. (847 sq. mm/m)	6 (150)	See plan view for rebar orientation and spacing and this table for bar size		#4 (#13)

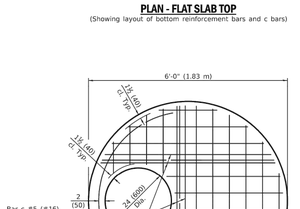
* Only one layer of WWR permitted to avoid congestion.

WALL REINFORCEMENT

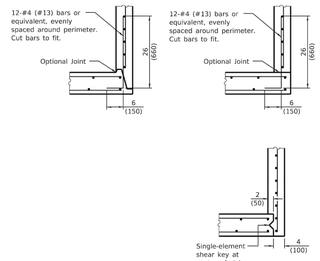
Orientation	WWR or Rebar	
	A_s (min.)	Spacing (max.)
Circumferential	0.15 sq. in./ft. (318 sq. mm/m)	6 (150)
Vertical	0.045 sq. in./ft. (95 sq. mm/m)	8 (200)

BASE SLAB REINFORCEMENT

Location	Total Height	WWR or Rebar (each direction)	
		A_s (min.)	Spacing (max.)
Top Mat	≤ 20 ft. (6.10 m)	0.24 sq. in./ft. (508 sq. mm/m)	10 (250)
	> 20 ft. (6.10 m)	0.28 sq. in./ft. (593 sq. mm/m)	8 (200)
Bottom Mat	All	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)



PLAN - FLAT SLAB TOP
(Showing layout of welded wire reinforcement and c bars)



BASE SLAB JOINT CONFIGURATIONS

SHEAR KEY GEOMETRY
(Reinforcement not shown for clarity)

Illinois Department of Transportation

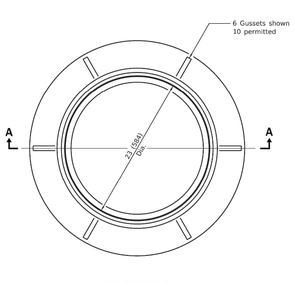
PASSED January 1, 2021
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2021
ENGINEER OF DESIGN AND ENVIRONMENT

BDE 2.10 BOARD 1-1-18

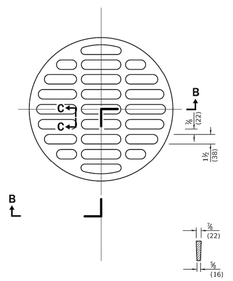
PRECAST VALVE VAULT TYPE A 5' (1.52 m) DIAMETER

(Sheet 2 of 2)

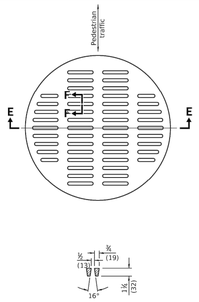
STANDARD 602506-03



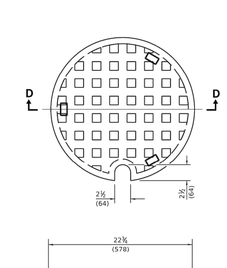
CAST FRAME



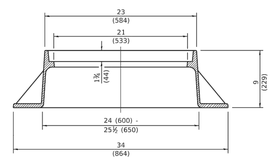
CAST OPEN LID



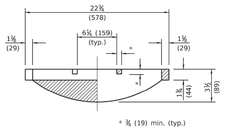
ADA COMPLIANT CAST OPEN LID



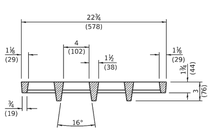
CAST CLOSED LID
Gray Iron Lid



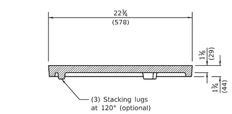
SECTION A-A
Gray Iron



SECTION B-B



SECTION E-E



SECTION D-D

SECTION C-C

SECTION F-F

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

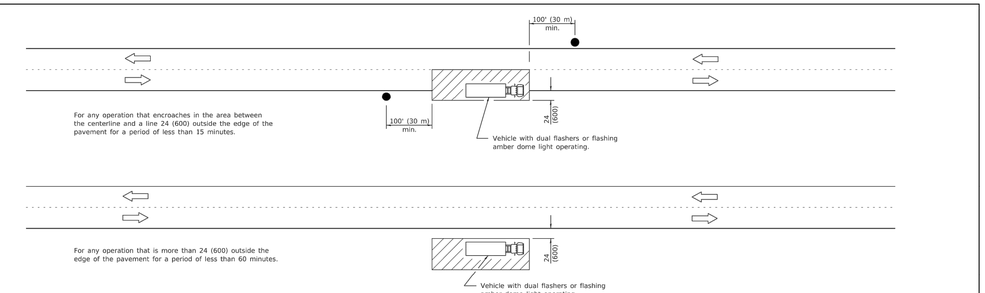
PASSED January 1, 2020
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2020
ENGINEER OF DESIGN AND ENVIRONMENT

BDE 2.10 BOARD 1-1-18

DATE	REVISIONS
1-1-20	Revised dimension in Section B-B
	of cast open lid.
1-1-15	Revised dimensioning of
	frame. Added ADA compliant
	open lid.
1-1-09	Switched units to English (metric).

FRAME AND LIDS TYPE 1

STANDARD 604001-05



SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

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

PASSED January 1, 2011
ENGINEER OF SAFETY ENGINEERING
APPROVED January 1, 2011
ENGINEER OF DESIGN AND ENVIRONMENT

BDE 2.10 BOARD 1-1-18

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

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 3/13/2023 12:49 PM
FILE NAME: 200055.18-Details
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: ILDOT-Standard.ctb

HRGreen.com
Illinois Professional Design Firm #184.001322

USER NAME = MLEWIS	DESIGNED – MPL	REVISED –	
FILE NAME = 200055.18-Details	DRAWN – MPL	REVISED –	
PLOT SCALE = N.T.S.	CHECKED – DWS	REVISED –	
PLOT DATE = 3/13/2023	DATE – 03/16/2023	REVISED –	

VILLAGE OF OSWEGO
PLAINFIELD RD. AND WOOLLEY RD.
WATER MAIN EXTENSION

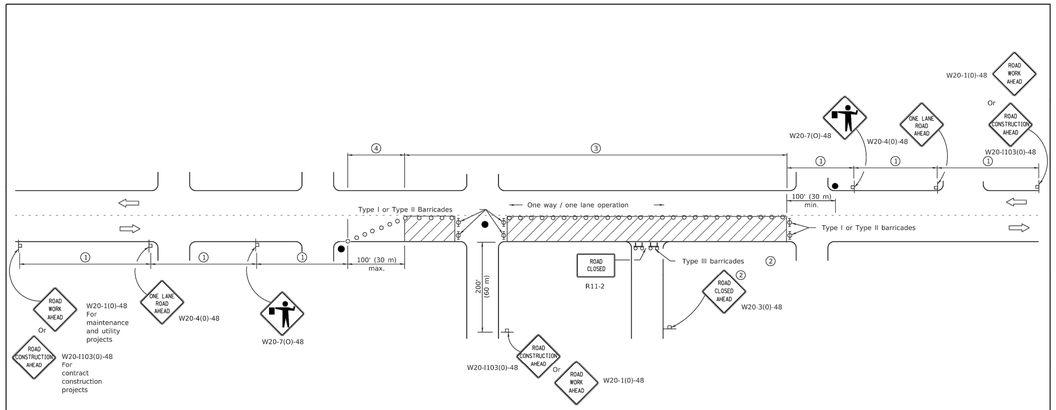
ILLINOIS HIGHWAY STANDARD DETAILS

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
____	_____	KENDALL	16	14

CONTRACT NO. _____

FED. ROAD DIST. NO. _ | ILLINOIS | FED. AID PROJECT



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 sideroad 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.

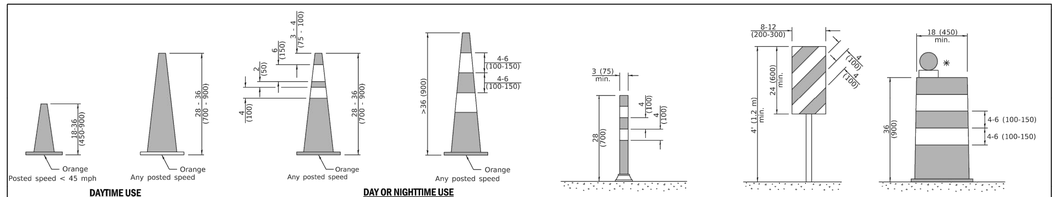
Illinois Department of Transportation

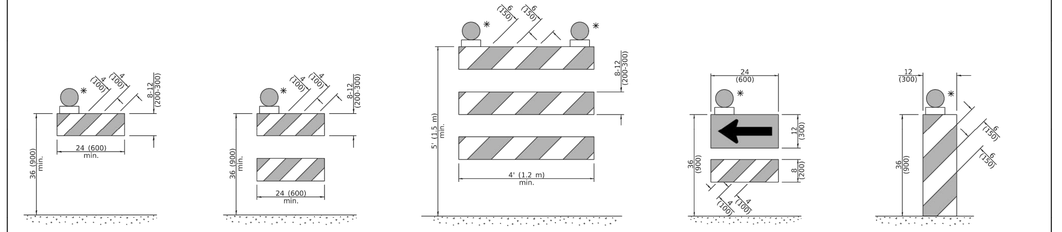
PASSED January 1, 2011 — ENGINEER OF SAFETY ENGINEERING
APPROVED January 1, 2011 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 1129

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





✱ Warning lights (if required)

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

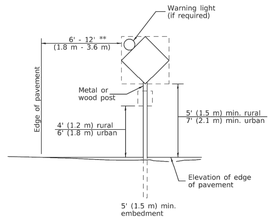
APPROVED January 1, 2019 — ENGINEER OF SAFETY PROG. AND ENGINEERING
APPROVED January 1, 2019 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 1129

DATE	REVISIONS
1-1-19	Revised cone usage and
	added cones >36" (900 m) height.
1-1-18	Revised END WORK ZONE
	SPEED LIMIT sign from
	orange to white background.

TRAFFIC CONTROL DEVICES

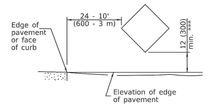
(Sheet 1 of 3)

STANDARD 701901-08



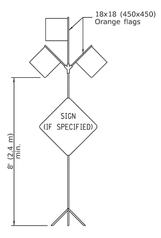
POST MOUNTED SIGNS

** 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

ROAD CONSTRUCTION NEXT X MILES	END CONSTRUCTION
G20-1104(0)-6036	G20-1105(0)-6024

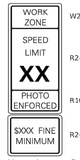
This signing is required for all projects 2 miles (3200 m) or more in length.

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-II5(0)-3618
R2-1-3648
R10-II08p-3618 ****
R2-II06p-3618

Sign assembly as shown on Standards or as allowed by District Operations.

G20-1103-6036

This sign shall be used when the above sign assembly is used.

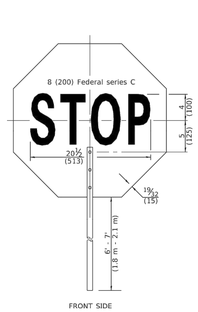
HIGHWAY CONSTRUCTION SPEED ZONE SIGNS

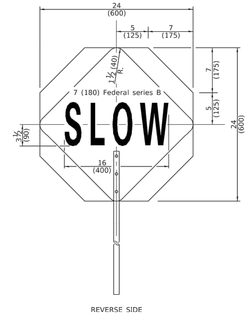
**** R10-II08p shall only be used along roadways under the jurisdiction of the State.

W12-I103-4848

WIDTH RESTRICTION SIGN

XX'-XX" width and X miles are variable.





FLAGGER TRAFFIC CONTROL SIGN

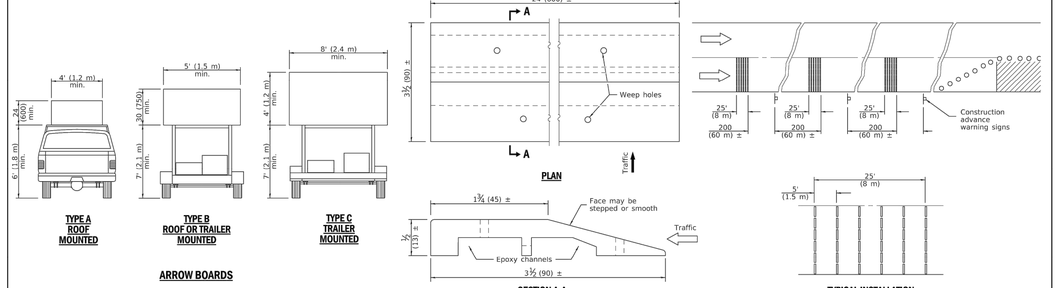
Illinois Department of Transportation

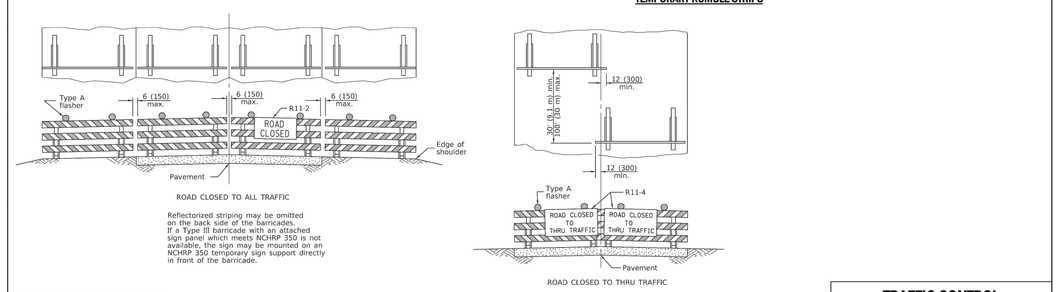
APPROVED January 1, 2019 — ENGINEER OF SAFETY PROG. AND ENGINEERING
APPROVED January 1, 2019 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 1129

TRAFFIC CONTROL DEVICES

(Sheet 2 of 3)

STANDARD 701901-08





TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD

Illinois Department of Transportation

APPROVED January 1, 2019 — ENGINEER OF SAFETY PROG. AND ENGINEERING
APPROVED January 1, 2019 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 1129

TRAFFIC CONTROL DEVICES

(Sheet 3 of 3)

STANDARD 701901-08

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 3/13/2023 12:49 PM
FILE NAME: 200055.18-Details
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: ILDOT-Standard.ctb

HRGreen.com
Illinois Professional Design Firm #184.001322
HRGreen

USER NAME = MLEWIS	DESIGNED – MPL	REVISED –
FILE NAME = 200055.18–Details	DRAWN – MPL	REVISED –
PLOT SCALE = N.T.S.	CHECKED – DWS	REVISED –
PLOT DATE = 3/13/2023	DATE – 03/16/2023	REVISED –

VILLAGE OF OSWEGO
PLAINFIELD RD. AND WOOLLEY RD.
WATER MAIN EXTENSION

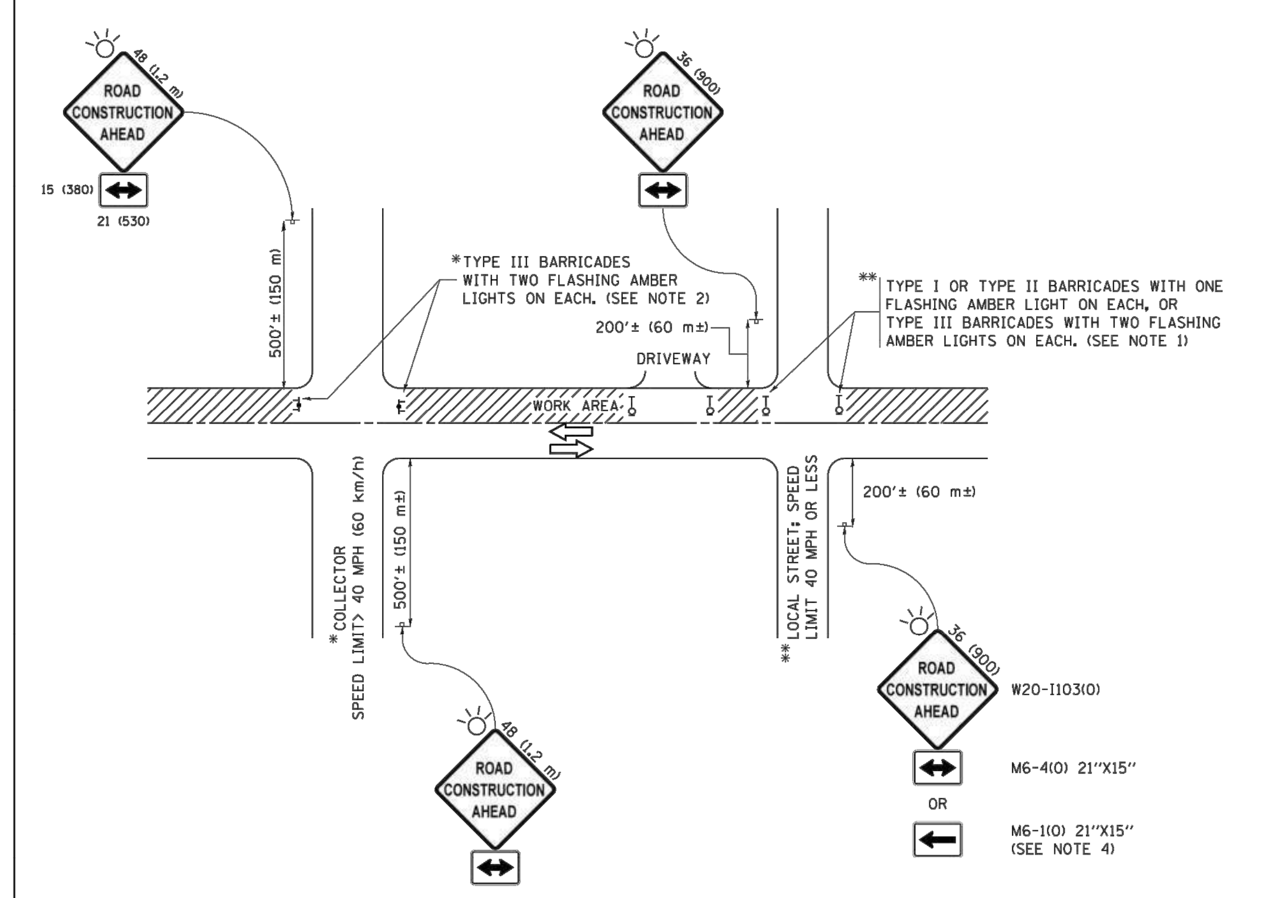
ILLINOIS HIGHWAY STANDARD DETAILS

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
____	_____	KENDALL	16	15

CONTRACT NO. _____

FED. ROAD DIST. NO. _ | ILLINOIS | FED. AID PROJECT



NOTES:

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 36 x 36 (900x900) WITH A FLASHER 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 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (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. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. 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).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

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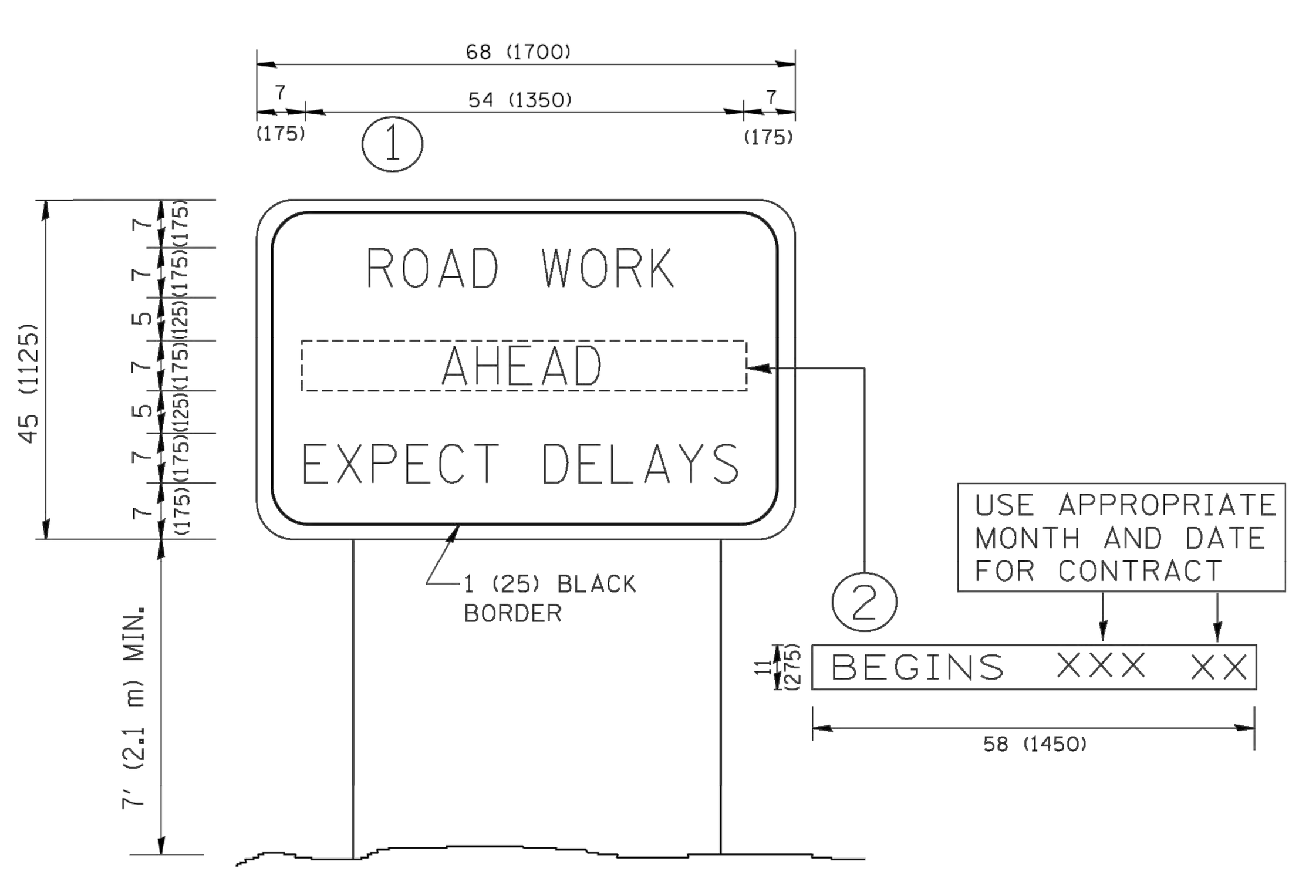
		DRAWN	REVISED -T. RAMMACHER 01-06-00		
	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13		
Default	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-10	CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN
		DRAWN -	REVISED - R. MIRS 12-11-97		
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -T. RAMMACHER 02-02-99		
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-22	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT			

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 3/13/2023 12:49 PM
FILE NAME: 200055.18-Details
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: ILDOT-Standard.ctb

HRGreen.com
Illinois Professional Design Firm #184.001322

USER NAME = MLEWIS	DESIGNED – MPL	REVISED –	VILLAGE OF OSWEGO PLAINFIELD RD. AND WOOLLEY RD. WATER MAIN EXTENSION
FILE NAME = 200055.18–Details	DRAWN – MPL	REVISED –	
PLOT SCALE = N.T.S.	CHECKED – DWS	REVISED –	
PLOT DATE = 3/13/2023	DATE – 03/16/2023	REVISED –	

ILLINOIS HIGHWAY STANDARD DETAILS

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KENDALL	16	16
CONTRACT NO.				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		