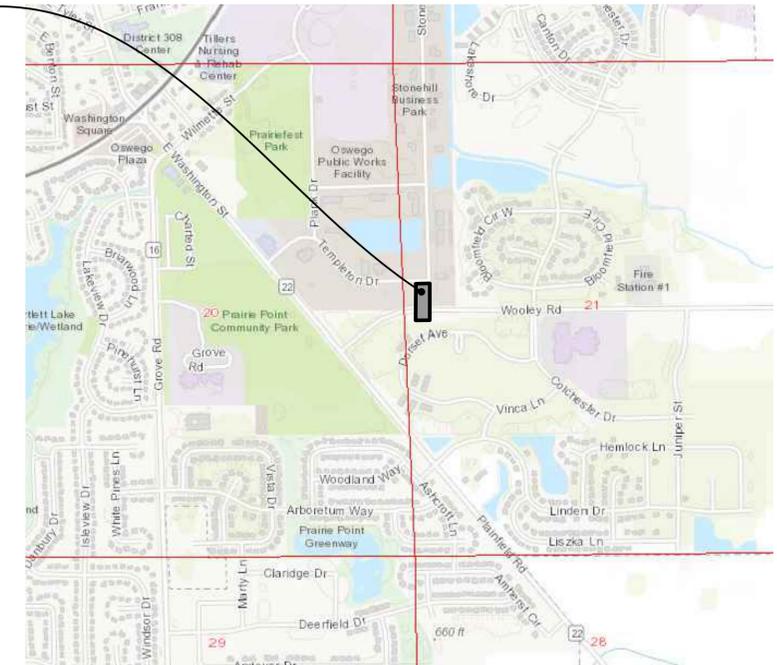


FINAL ENGINEERING PLANS FOR: STONEHILL ROAD LIFT STATION DECOMMISSION AND SANITARY SEWER EXTENSION VILLAGE OF OSWEGO, ILLINOIS KENDALL COUNTY, ILLINOIS CLIENT: VILLAGE OF OSWEGO



LOCATION MAP



Dial 811 or 1-800-892-0123. JULIE DESIGN TICKET NUMBER:# A2080376-00A



Know what's below.
Call before you dig.

WITH THE FOLLOWING:
COUNTY KENDALL COUNTY
CITY-TOWNSHIP OSWEGO-OSWEGO TOWNSHIP
SEC. & 1/4 SEC. NO.# 21-37 N.-8 E.

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

NOTE:

- HR GREEN, INC. IS TO BE NOTIFIED 3 DAYS PRIOR TO CONSTRUCTION START.
- HR GREEN, INC. SHALL BE INCLUDED IN ALL PRE-CONSTRUCTION MEETINGS.
- ANY KNOWN DISCREPANCIES ON THIS PLAN SET MUST BE BROUGHT TO THE ATTENTION OF HR GREEN, INC. PRIOR TO THE START OF CONSTRUCTION.

CLIENT:
VILLAGE OF OSWEGO
100 PARKERS MILL
OSWEGO, IL 60543
630-554-3618

CIVIL ENGINEER:
HR GREEN
651 PRAIRIE POINTE DR. SUITE 201
YORKVILLE, ILLINOIS 60560
TEL: (630) 553-7560
FAX: (630) 553-7646

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

PROJECT CONTACT:
MS. JENNIFER HUGHES
PUBLIC WORKS DIRECTOR
100 PARKERS MILL
OSWEGO, IL 60543
630-554-3618

SURVEYOR:
HR GREEN
651 PRAIRIE POINTE DR. SUITE 201
YORKVILLE, ILLINOIS 60560
TEL: (630) 553-7560
(630) 553-7646

BERNIE BAUER, P.L.S. - PROJECT SURVEYOR
(630) 708-5033

Sheet List Table

Sheet Number	Sheet Title
C-01	COVER SHEET
C-02	LEGENDS, ABBREVIATIONS AND SUMMARY OF QUANTITIES
C-03	SPECIFICATIONS AND NOTES (1)
C-04	SPECIFICATIONS AND NOTES (2)
C-05	SPECIFICATIONS AND NOTES (4)
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C-07	EROSION CONTROL SPECIFICATIONS
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C-09	STANDARD CONSTRUCTION DETAILS
C-10	STANDARD CONSTRUCTION DETAILS

SITE BENCHMARKS
SEE SHEET C-02 FOR BENCHMARK INFORMATION

CONTACT INFORMATION

	CONTACT INFORMATION	TELEPHONE #		CONTACT INFORMATION	TELEPHONE #
J.U.L.I.E.	DESIGN TICKET #X2920445	ILLINOIS JULIE, 800-892-0123	NATURAL GAS	NICOR GAS PROJECT #SC15969	
CITY CONTACT	VILLAGE OF OSWEGO	630-554-3618		BRUCE KOPPANG	630-388-3046
	MS. JENNIFER HUGHES	630-554-3618		DOT LIAISON - ENGINEERING	
	PUBLIC WORKS DIRECTOR/VILLAGE ENGINEER			1844 FERRY RD NAPERVILLE, IL 60563	
SANITARY	TIMOTHY ZASADA	630-551-2182	TELEPHONE	ATT/DISTRIBUTION	630-573-5450
	ASSISTANT PUBLIC WORKS DIRECTOR UTILITY			JANET AHERN	(630) 573-5495
	100 PARKERS MILL OSWEGO, IL 60543			1000 COMMERCE DRIVE, FLOOR 1 OAK BROOK, IL 60523 MM3781@ATT.COM	
ELECTRICAL POWER	FOX METRO WATER RECLAMATION DISTRICT		CABLE	COMCAST	224-229-5862
	KEITH ZOLLERS	630-301-0810		MARSHA GIERAS	
	ENGINEERING AND FIELD SUPERVISOR			680 INDUSTRIAL DRIVE ELMHURST, IL 60126	
ELECTRICAL POWER	MICHAEL L. FRANKINO	630-301-8805	FIBER	METRO FIBERNET, LLC	812-759-7967
	ASSISTANT ENGINEERING SUPERVISOR			OSP ENGINEERING	
	1135 S. LAKE ST. MONTGOMERY, IL 60538			FIBERDESIGNENGINEERING@QSERVO.COM	
	COMED				
ELECTRICAL POWER	DESIGN STAGE LOCATE LINE	630-576-7094	IEPA	I.E.P.A. - PERMIT SECTION,	217-782-0610
	COMED REPRESENTATIVE - USIC			DIVISION OF WATER POLLUTION	
	FRANK COSTANGO	630-396-8224		P.O. BOX 19276	
	ADMINISTRATIVE ASSISTANT			SPRINGFIELD, IL 62794-9276	
ELECTRICAL POWER	860 OAK CREEK DR				
	LOMBARD, IL 60148				



651 PRAIRIE POINTE, SUITE 201 YORKVILLE, IL 60560
Phone: 630.553.7560 | Toll Free: 800.728.7805 | Fax: 630.553.7646 | HRGreen.com

CERTIFICATION

PROFESSIONAL ENGINEER'S SIGN & SEAL

David W. Schultz 5/23/2019
EXP: 11/30/2019



NOTE: THIS SIGNATURE & SEAL ONLY APPLIES TO DESIGN INFORMATION PREPARED BY HR GREEN, INC. (SHEETS C-01-C-10)

INFORMATION INCLUDED IN THIS PLAN SET WHICH HAS BEEN COMPLETED BY OTHER CONSULTANTS IS NOT CERTIFIED BY THIS SIGNATURE & SEAL.

SEE INDEX OF SHEETS FOR INFORMATION INCLUDED BY OTHERS

NO.	DATE	BY	REVISION DESCRIPTION

ILLINOIS DESIGN FIRM
184-001322
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YORKVILLE, IL 60560
PHONE: 630.553.7560
FAX: 630.553.7646



STONEHILL ROAD LIFT STATION DECOMMISSION
CLIENT: VILLAGE OF OSWEGO
OSWEGO, IL

FINAL ENGINEERING - FOR PERMIT
COVER SHEET

BAR IS ONE INCH ON OFFICIAL DRAWINGS
0" = 1" IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY

DRAWN BY: MPL
APPROVED: DWS
JOB DATE: 05/23/2019
JOB NO: 18055.02

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C-01

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SITE BENCHMARKS:

NOTE:
ALL COORDINATES ARE BASED ON ILLINOIS STATE PLANE COORDINATES - EAST ZONE (NAD83-2011)
ELEVATIONS ARE BASED UPON THE NAVD 88 DATUM.

SOURCE BENCHMARK (#50)
NGS BENCHMARK OSWEGO PUBLIC WORKS/DK6244
TO REACH STATION FROM THE INTERSECTION OF ILLINOIS ROUTE 71 AND PLAINFIELD ROAD, PROCEED SOUTHEAST ON PLAINFIELD ROAD APPROXIMATELY 0.4 MI TO TEMPLETON DRIVE, TURN LEFT ON TEMPLETON DRIVE TO PLANK DRIVE. TURN LEFT ON PLANK DRIVE TO THE INTERSECTION OF THEODORE STREET AND PLANK DRIVE. STATION IS AT THE NORTHWEST CORNER OF THEODORE AND PLANK. STATION IS LOCATED 30.5 FT WEST OF THE CENTERLINE OF PLANK DRIVE, 15.1 FT WEST OF BACK OF CURB, 89.4 FT NORTH OF LIGHT POLE, 122.6 FT NORTHWEST OF BURY BOLT ON FIRE HYDRANT, 57.4 FT NORTHWEST OF CENTER OF WATER VALVE VAULT, AND 220.2 FT SOUTHWEST OF BURY BOLT ON FIRE HYDRANT. NOTE - ACCESS TO DATUM POINT THROUGH 6 INCH LOGO CAP. DATUM POINT IS 0.40 FT BELOW CAP.
ELEV. 657.87 (NAVD 88)

SITE BENCHMARK 1 (#55)
FIRE HYDRANT NORTHEASTERLY TOP FLANGE BOLT ON THE NORTHEASTERLY QUADRANT OF THE INTERSECTION OF WOOLEY ROAD AND STONEHILL ROAD, APPROXIMATELY 11.6 FT EAST OF THE EASTERLY BACK OF CURB OF STONEHILL ROAD, 15.4 FT NORTH OF THE NORTHERLY EDGE OF THE SIDEWALK ALONG THE NORTH SIDE OF WOOLEY ROAD, AND 85.7 FT NORTHWESTERLY OF THE CENTER OF A CURB INLET IN THE NORTHERLY CURB OF WOOLEY ROAD.
ELEV. 663.18 (NAVD 88)

SUMMARY OF QUANTITIES

ITEM #	PAY ITEM #	PAY ITEM	UNITS	QUANTITY
1	20800150	TRENCH BACKFILL	CU YD	20
2	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	205
3	25000110	SEEDING, CLASS 1A	ACRE	0.10
4	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	9
5	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	9
6	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	9
7	25100115	MULCH, METHOD 2	ACRE	0.10
8	28000400	PERIMETER EROSION BARRIER	FOOT	190
9	28000500	INLET AND PIPE PROTECTION	EACH	2
10	44000100	PAVEMENT REMOVAL	SQ YD	10
11	44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	10.00
12	67100100	MOBILIZATION	L SUM	1
13	X0326713	SANITARY SEWER CONNECTION	EACH	2
14	X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	20
15	X5632000	ABANDON EXISTING FORCE MAIN, FILL WITH CLSM	FOOT	617
16	X6050040	REMOVING MANHOLES, SPECIAL (WET WELL)	EACH	1
17	X6050040	REMOVING MANHOLES, SPECIAL (VALVE AND VALVE VAULT)	EACH	1
18	Z0057000	SANITARY SEWER 10", PVC, SDR 21 (TRENCHED)	FOOT	20
19	Z0057000	SANITARY SEWER 10", PVC, SDR 21 (TRENCHLESS)	FOOT	109

* = SPECIAL PROVISION

SYMBOL LEGEND

	EXISTING	PROPOSED
SANITARY MANHOLE	⊙	⊙
STORM MANHOLE	⊗	⊗
STORM CATCH BASIN/INLET	⊙	⊙
INLET	□	□
FLARED END SECTION	△	△
VALVE VAULT	⊗	⊗
WATER SERVICE VALVE	○	○
FIRE HYDRANT WITH AUXILIARY VALVE	⊕	⊕
LIGHT POLE	⊗	⊗
REGULATORY SIGN	⊕	⊕
UTILITY POLE	⊕	⊕
UTILITY BOX	⊕	⊕
MAILBOX	⊕	⊕
WELL	⊕	⊕
SANITARY SEWER	—	—
STORM SEWER	—	—
CULVERT	—	—
PERFORATED UNDERDRAIN	—	—
WATER MAIN	—	—
WATER MAIN ENCASEMENT	—	—
TRENCH BACKFILL	—	—
SANITARY FORCE MAIN	—	—
ELECTRIC LINE	—	—
OVERHEAD ELECTRIC LINE	—	—
UNDERGROUND ELECTRIC	—	—
TELEPHONE LINE	—	—
GAS LINE	—	—
CABLE TV LINE	—	—
FIBER OPTIC LINE	—	—
TREE LINE	—	—
TREE	—	—
CONTOURS	—	—
SPOT ELEVATION	—	—
FENCE	—	—
DRAINAGE DIRECTION ARROW	—	—
DRAINAGE 10-100 YEAR OVERFLOW DIRECTION ARROW	—	—

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
- P.S.L. - PARKING 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
- S.R.L. - SEPTIC RESTRICTION LINE
- 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
- P.S.L. - PARKING SETBACK LINE
- P.U.E. - PUBLIC UTILITY EASEMENT
- P.G.L. - PROFILE GRADE LINE

NO.	DATE	BY	REVISION DESCRIPTION

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STONEHILL ROAD LIFT STATION DECOMMISSION
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LEGENDS, ABBREVIATIONS AND SUMMARY OF QUANTITIES

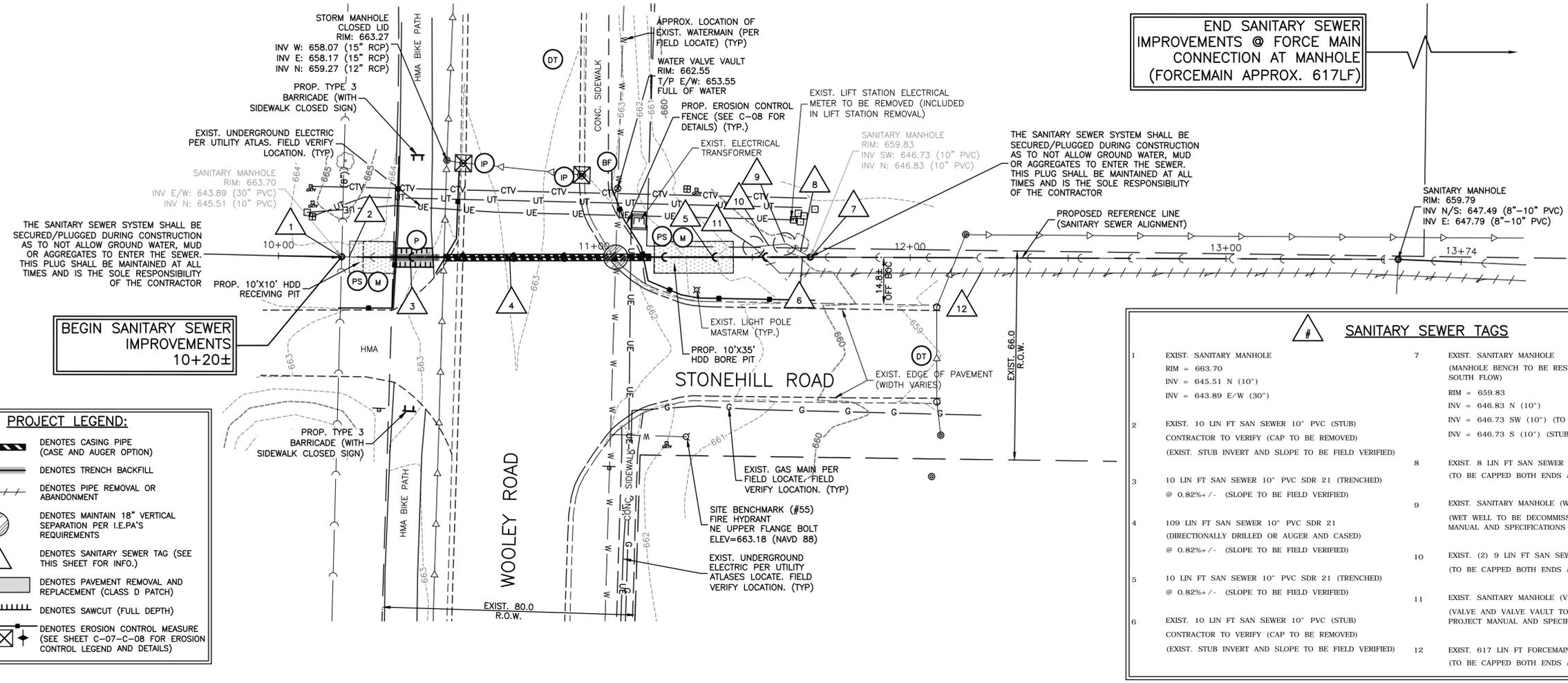
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JOB DATE: 05/23/2019
JOB NO: 18055.02

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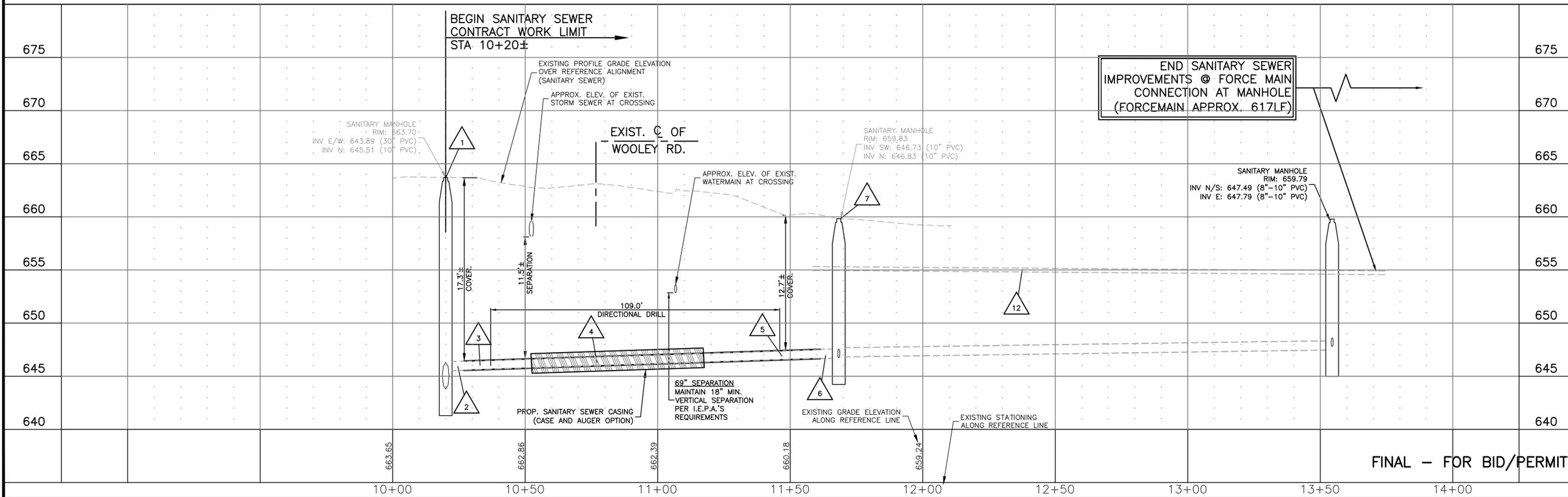
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PROJECT LEGEND:

- DENOTES CASING PIPE (CASE AND AUGER OPTION)
- DENOTES TRENCH BACKFILL
- DENOTES PIPE REMOVAL OR ABANDONMENT
- DENOTES MAINTAIN 18" VERTICAL SEPARATION PER I.E.P.A.'S REQUIREMENTS
- DENOTES SANITARY SEWER TAG (SEE THIS SHEET FOR INFO.)
- DENOTES PAVEMENT REMOVAL AND REPLACEMENT (CLASS D PATCH)
- DENOTES SAWCUT (FULL DEPTH)
- DENOTES EROSION CONTROL MEASURE (SEE SHEET C-07-C-08 FOR EROSION CONTROL LEGEND AND DETAILS)

#	SANITARY SEWER TAGS
1	EXIST. SANITARY MANHOLE RIM = 663.70 INV = 645.51 N (10") INV = 643.89 E/W (30")
2	EXIST. 10 LIN FT SAN SEWER 10" PVC (STUB) CONTRACTOR TO VERIFY (CAP TO BE REMOVED) (EXIST. STUB INVERT AND SLOPE TO BE FIELD VERIFIED)
3	10 LIN FT SAN SEWER 10" PVC SDR 21 (TRENCHED) @ 0.82%+/- (SLOPE TO BE FIELD VERIFIED)
4	109 LIN FT SAN SEWER 10" PVC SDR 21 (DIRECTIONALLY DRILLED OR AUGER AND CASED) @ 0.82%+/- (SLOPE TO BE FIELD VERIFIED)
5	10 LIN FT SAN SEWER 10" PVC SDR 21 (TRENCHED) @ 0.82%+/- (SLOPE TO BE FIELD VERIFIED)
6	EXIST. 10 LIN FT SAN SEWER 10" PVC (STUB) CONTRACTOR TO VERIFY (CAP TO BE REMOVED) (EXIST. STUB INVERT AND SLOPE TO BE FIELD VERIFIED)
7	EXIST. SANITARY MANHOLE (MANHOLE BENCH TO BE RESHAPED AS NECESSARY TO SOUTH FLOW) RIM = 659.83 INV = 646.83 N (10") INV = 646.73 SW (10") (TO BE PLUGGED) INV = 646.73 S (10") (STUB)
8	EXIST. 8 LIN FT SAN SEWER 10" PVC (TO BE CAPPED BOTH ENDS AND CLSM FILLED)
9	EXIST. SANITARY MANHOLE (WET WELL) (WET WELL TO BE DECOMMISSIONED. SEE PROJECT MANUAL AND SPECIFICATIONS FOR DETAILS)
10	EXIST. (2) 9 LIN FT SAN SEWER 4" DIP (TO BE CAPPED BOTH ENDS AND CLSM FILLED)
11	EXIST. SANITARY MANHOLE (VALVE VAULT) (VALVE AND VALVE VAULT TO BE DECOMMISSIONED. SEE PROJECT MANUAL AND SPECIFICATIONS FOR DETAILS)
12	EXIST. 617 LIN FT FORCEMAIN 4" HDPE PIPE (TO BE CAPPED BOTH ENDS AND CLSM FILLED)



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STONEHILL ROAD LIFT STATION DECOMMISSION
CLIENT: VILLAGE OF OSWEGO
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 FINAL ENGINEERING - FOR PERMIT
SANITARY SEWER PLAN AND PROFILE

BAR IS ONE INCH ON OFFICIAL DRAWINGS
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DRAWN BY: MPL
 APPROVED: DWS
 JOB DATE: 05/23/2019
 JOB NO: 18055.02

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CONTROL MEASURE GROUP	CONTROL MEASURE	APPL.	KEY	CONTROL MEASURE CHARACTERISTICS	TEMP.	PERMIT
VEGETATIVE SOIL COVER	TEMPORARY SEEDING	X	TS	PROVIDES QUICK TEMPORARY COVER TO CONTROL EROSION WHEN PERMANENT SEEDING IS NOT DESIRED OR TIME OF YEAR IS INAPPROPRIATE.	X	
	PERMANENT SEEDING	X	PS	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	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.		
	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	X	M	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	X	P	PROVIDES PERMANENT COVER ON PARKING LOTS AND ROADS OR OTHER AREAS WHERE VEGETATION CANNOT BE ESTABLISHED.		X
	EROSION BLANKET		EB	PROVIDES QUICK TEMPORARY COVER TO CONTROL EROSION WHEN PERMANENT SEEDING TIME OF YEAR IS INAPPROPRIATE AND IN SLOPED AREAS.		
DIVERSIONS	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		DC	TYPICALLY USED ANYWHERE ON A 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.		
WATERWAYS	BENCHES		B	SPECIAL CASE OF DIVERSION CONSTRUCTED WHEN WORKING ON CUT SLOPES TO SHORTEN LENGTH OF SLOPE AND ADD SLOPE STABILITY.		
	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.		
ENCLOSED DRAINAGE	STORM SEWER		ST	PROVIDES AN ENERGY DISSIPATOR ALONG A LENGTHY CHANNEL TO REDUCE VELOCITY OF STORMWATER		
	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.		
OUTLETS	BOX INLET WEIR SPILLWAY		BS	SAME AS WEIR SPILLWAY EXCEPT LARGER FLOWS CAN BE ACCOMMODATED BECAUSE OF LOWER WEIR LENGTH.		
	LINED APRON		LA	PROTECTS DOWNSLOPE CHANNEL FROM HIGH VELOCITY OF FLOW DISCHARGING FROM STRUCTURES.		
SEDIMENT BASINS	STONE RIP RAP		RR	USED AS AN ENERGY DISSIPATOR AT OUTLET STRUCTURES TO REDUCE VELOCITIES		
	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 DOWNSLOPE IN CASE OF FAILURE AND WHEN EXCESS EARTH FILL IS NOT AVAILABLE.		
SEDIMENT FILTERS	COMBINATION SEDIMENT BASIN		CS	USED WHEN TOPOGRAPHY IS SUITABLE BUT ADDITIONAL CAPACITY IS NEEDED.		
	BARRIER FILTER	X	BF	USED FOR SINGLE LOTS OR DRAINAGE AREAS LESS THAN 1/2 ACRE TO FILTER SEDIMENT FROM RUNOFF.	X	
	VEGETATIVE FILTER		VF	USED ALONG DRAINAGEWAYS OR PROPERTY LINES TO FILTER SEDIMENT FROM RUNOFF. SIZE MUST BE INCREASED IN PROPORTION TO DRAINAGE AREA.		
	FILTER BASKET		FB	USED FOR FILTERING SEDIMENT WITHIN THE ROADWAY BEFORE ENTERING THE STORM SEWER		
	FILTER FABRIC		FF	USED FOR FILTERING SEDIMENT WITHIN THE ROADWAY BEFORE ENTERING THE STORM SEWER		
MUD AND DUST CONTROL	INLET PROTECTION	X	IP	USED FOR FILTERING SEDIMENT WITHIN GRASS AREAS BEFORE WATER ENTERS THE STORM SEWER		X
	STABILIZED CONST. ENTRANCE		SE	PREVENT MUD FROM BEING PICKED UP AND CARRIED OFF-SITE.		
	DUST AND TRAFFIC CONTROL	X	DT	PREVENTS DUST FROM LEAVING CONSTRUCTION SITE.		X

SEEDING / SODDING CHART

STABILIZATION TYPE	CONTRACTOR RESPONSIBILITY		CONTRACTOR RESPONSIBILITY PER I.D.O.T. SPECIFICATIONS APR. 1 - JUNE 15				CONTRACTOR RESPONSIBILITY PER I.D.O.T. SPECIFICATIONS AUG. 1 - NOV. 1				CONTRACTOR RESPONSIBILITY	
	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
TEMPORARY SEEDING	■	■	■	■	■	■	■	■	■	■	■	■
PERMANENT SEEDING	■	■	■	■	■	■	■	■	■	■	■	■
SODDING	■	■	■	■	■	■	■	■	■	■	■	■

- 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 PROTECTION BEST PRACTICES)
- 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.
- 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 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 Road and Bridge Construction and the Illinois Urban Manual, 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 be restored w/ 6" topsoil respread & seeding/sodding unless otherwise noted on plans
- Inlet protection such as Silt filter fabric or filter baskets 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/hydrated per I.D.O.T. Manual, section 251, standard specifications for road and bridge construction, (latest edition)
 - *Mulch/hydrated 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. Materials 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
- 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):
- Secure storm water NPDES permit with the IEPA at least 30 days prior to beginning work. (NOT REQUIRED FOR THIS PROJECT)
 - A pre-construction meeting shall be held by the Site Project Manager and the Operator's Engineer prior to land disturbing activities.
 - Install perimeter silt fences and inlet protection in the locations shown on the Erosion Control plan sheets.
 - Implement erosion control measures around the existing storm sewer to prevent sedimentation from infiltrating into the storm sewer system as shown on the Erosion Control plan sheets.
 - Begin clearing and grubbing operations if applicable. Clearing and grubbing shall be done only in areas where earthwork will be performed and only in areas where building is planned to commence within 7 days after clearing and grubbing.
 - Disturbed areas of the site where Construction Activity has ceased for more than 7 days shall be temporarily seeded and watered.
 - Install inlet / outlet protection around the constructed storm sewer to prevent sedimentation from infiltrating into the storm sewer system as shown on the Plan and Profile plan sheet.
 - Construct proposed sanitary sewer.
 - Finalize pavement preparation.
 - Remove inlet protection around inlets and manholes.
 - Carry out final grading and seeding, sodding and planting, including rolled erosion control products where shown on the Plan and Profile plan sheets.
 - Remove silt fencing only after all work is complete and exposed surfaces are stabilized.

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

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.
- The total area of the site that is estimated to be disturbed by excavation, grading, or other activities, is less than 1.0± acres.
- Site Description.
 - The stormwater area is tributary to Village storm sewer.
 - The following is a description of the construction activity which is the subject of this plan: The proposed improvements consists of construction of stormwater collection system, decommission/abandonment of existing lift station wet well and valve vault, abandonment of existing sanitary sewer force main, pavement patching, and restoration back to existing conditions. The construction activities for site improvements will include: site clearing, grubbing, grading, pavement construction, installation of utilities including Sanitary Sewer, soil erosion and sedimentation control measures, as a minimum.
 - The following is a description of the construction activity which is the subject of this plan: The sequence of the construction activities may be as follows: See Sequence of major activities on this sheet.
 - The soil erosion and sedimentation control items will be constructed as needed during the above construction activities.
 - Controls.

This 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 contractor 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.

 - Erosion and Sediment Controls.
 - 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 10 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.
 - 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	5. Stone Riprap	8. Paving
2. Permanent Seeding	6. Filter fabric	9. Dust & Traffic Control
3. Erosion Blanket	7. Inlet Protection	10. Barrier Fence
4. Stabilized Construction Entrance		
 - 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 the site. The installation of these devices may be subject to Section 404 of the Clean Water Act.
 - Detention basins
 - Storm sewer system
 - Vegetated drainage swales
 - Permanent seeding
 - Stone Riprap
 - Filter fabric
 - Inlet and Outlet Protection
 - Curb & gutter
 - 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 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 "Illinois Urban Manual", by the Natural Resources Conservation Service and with "Standards and Specifications for Soil Erosion and Sediment Control" as published by the Illinois Environmental Protection Agency.

If a topsoil stockpile location is provided and approved by the Owner, 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.
 - Stormwater Management
 - 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 implementation 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 include:

1. Silt Filter fence	4. Stone Riprap
2. Drainage Swales	5. Filter fabric
3. Storm Sewers	6. Detention Ponds
 - Velocity dissipation devices will be placed at discharge locations and along the length of any outfall channel as necessary to provide a non-erodible velocity flow from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected (e.g., maintenance of hydrologic conditions, such as the hydroperiod and hydrodynamics present prior to the initiation of construction activities).
 - Approved State and 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 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.
 - 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 shall be maintained periodically and supply adequate watering. The vegetative cover shall be reseeded as necessary.

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

Riprap outlet protection: It shall be inspected after high flows for any scour beneath the riprap or for stones that have been dislodged. It shall be repaired immediately.

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

 - Appropriate temporary or permanent stabilization measures shall include seeding, mulching, sodding, and/or non-vegetative measures.
 - 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.

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 _____

STONEHILL RD. LIFT STATION

SITE ADDRESS

IEPA:ILR10 PERMIT # N/A

NO.	DATE	BY	REVISION DESCRIPTION

ILLINOIS DESIGN FIRM
184-001322
651 PRAIRIE POINTE,
SUITE 201
YORKVILLE, IL 60560
PHONE: 630.553.7560
FAX: 630.553.7646



STONEHILL ROAD LIFT STATION DECOMMISSION
CLIENT: VILLAGE OF OSWEGO
OSWEGO, IL

FINAL ENGINEERING - FOR PERMIT
EROSION CONTROL SPECIFICATIONS

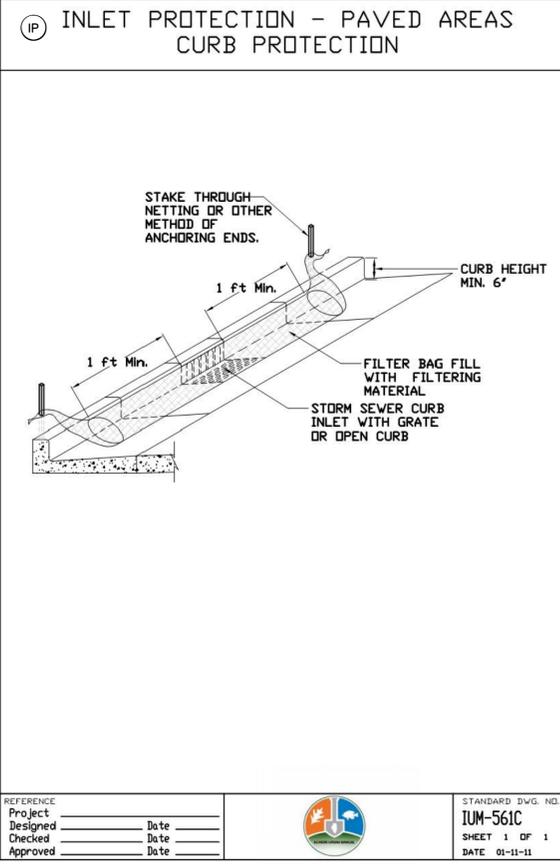
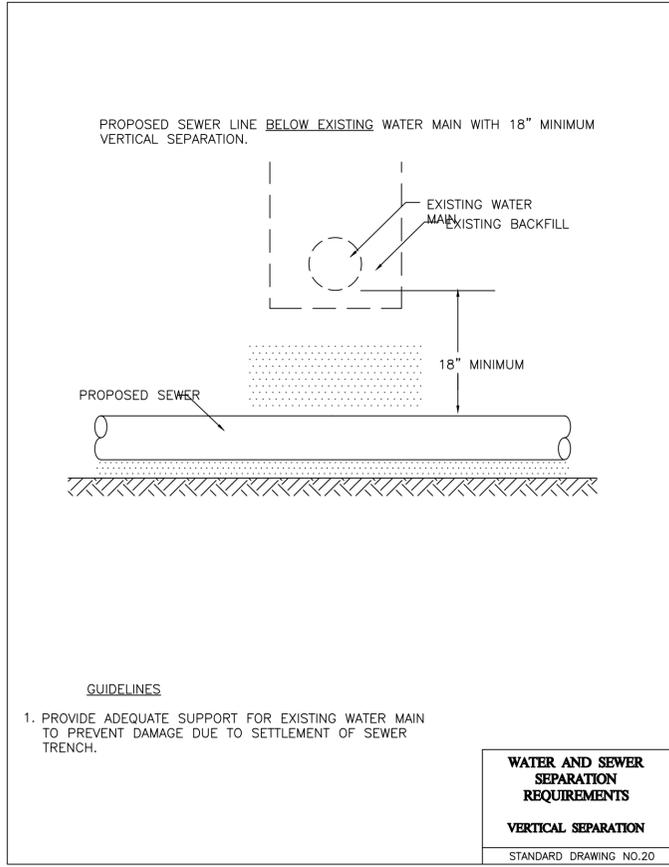
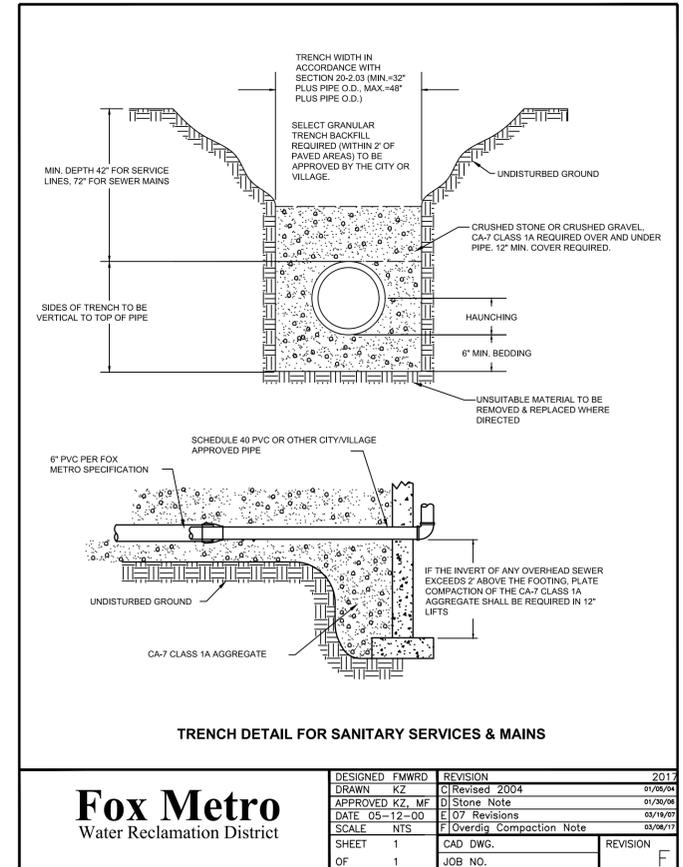
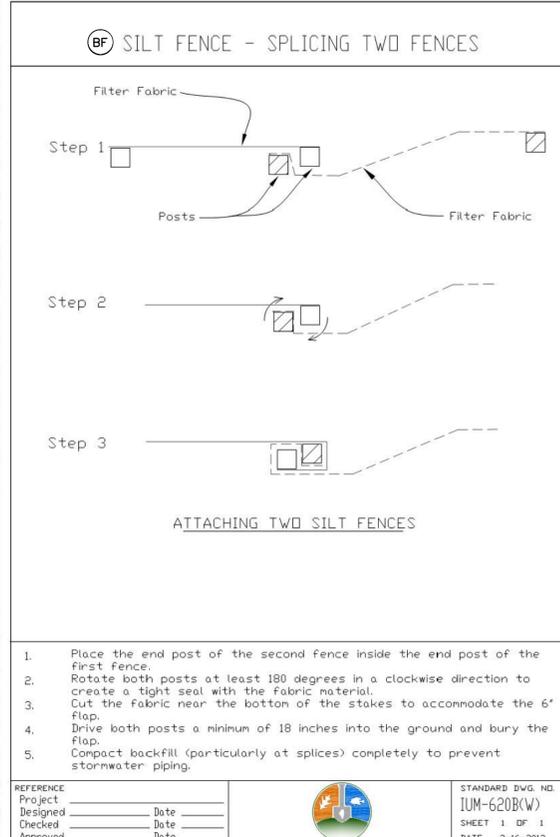
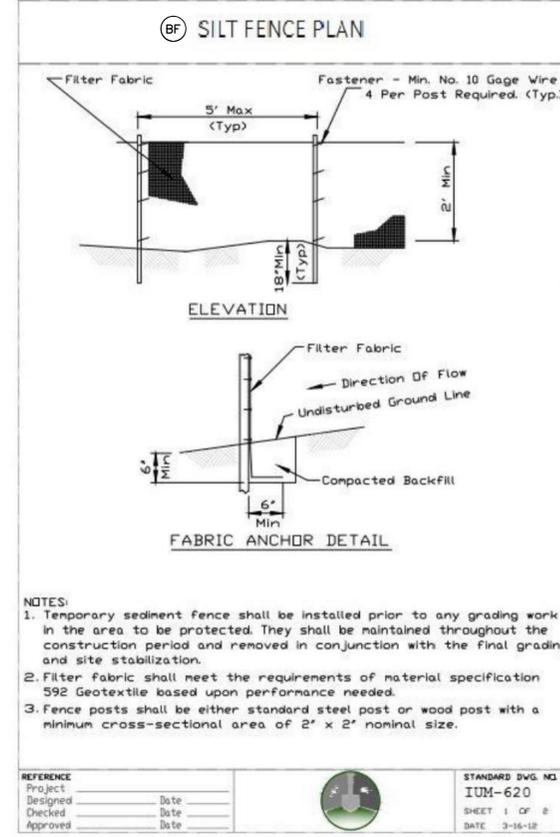
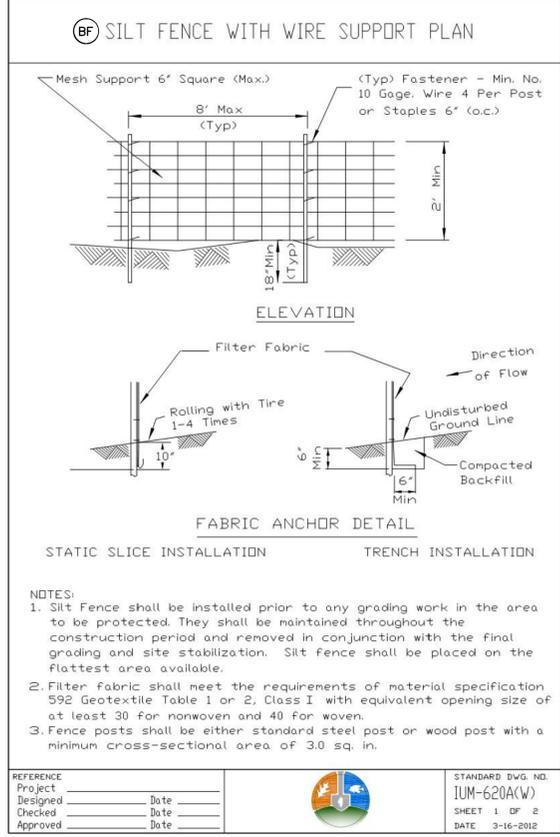
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0" = 1"

IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY

DRAWN BY: MPL
APPROVED: DWS
JOB DATE: 05/23/2019
JOB NO: 18055.02

DRAWING
C-07

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NO.	DATE	BY	REVISION DESCRIPTION

ILLINOIS DESIGN FIRM
 # 184.001322
 651 PRAIRIE POINTE,
 SUITE 201
 YORKVILLE, IL 60560
 PHONE: 630.553.7560
 FAX: 630.553.7646

STONEHILL ROAD LIFT STATION DECOMMISSION
CLIENT: VILLAGE OF OSWEGO
 OSWEGO, IL

FINAL ENGINEERING - FOR PERMIT
EROSION CONTROL DETAILS

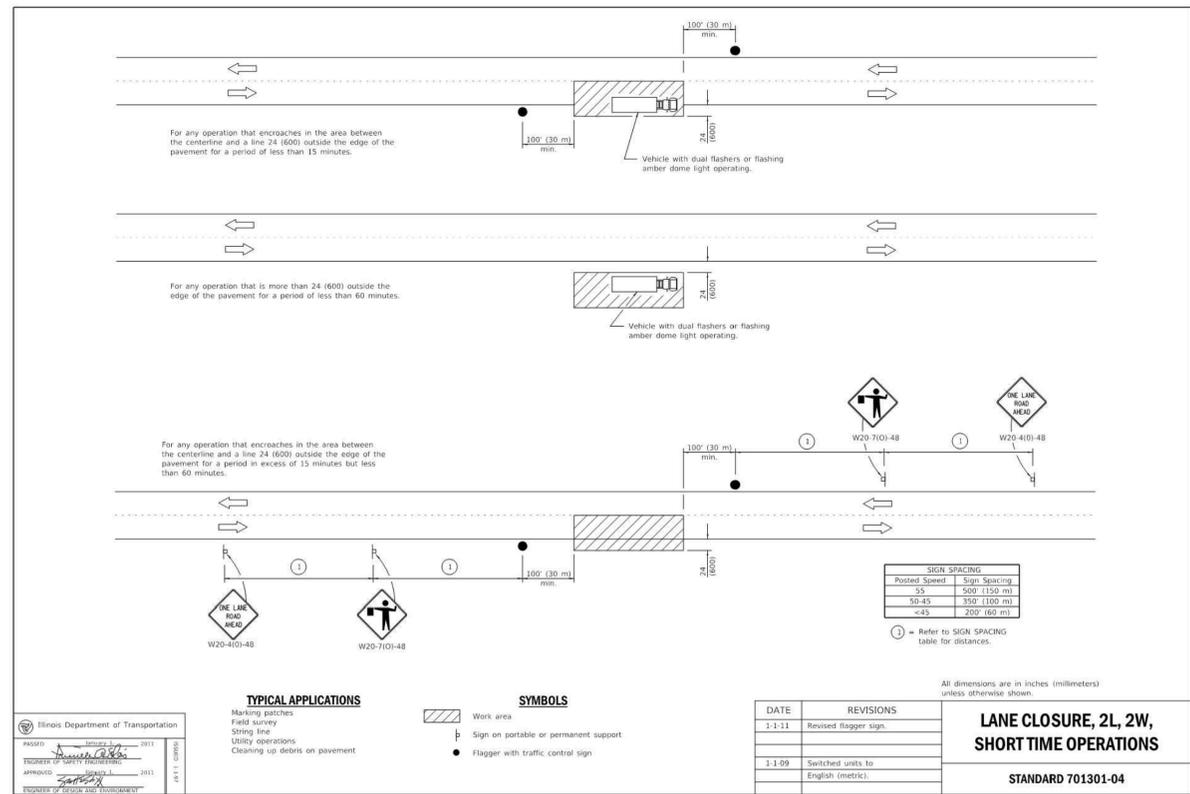
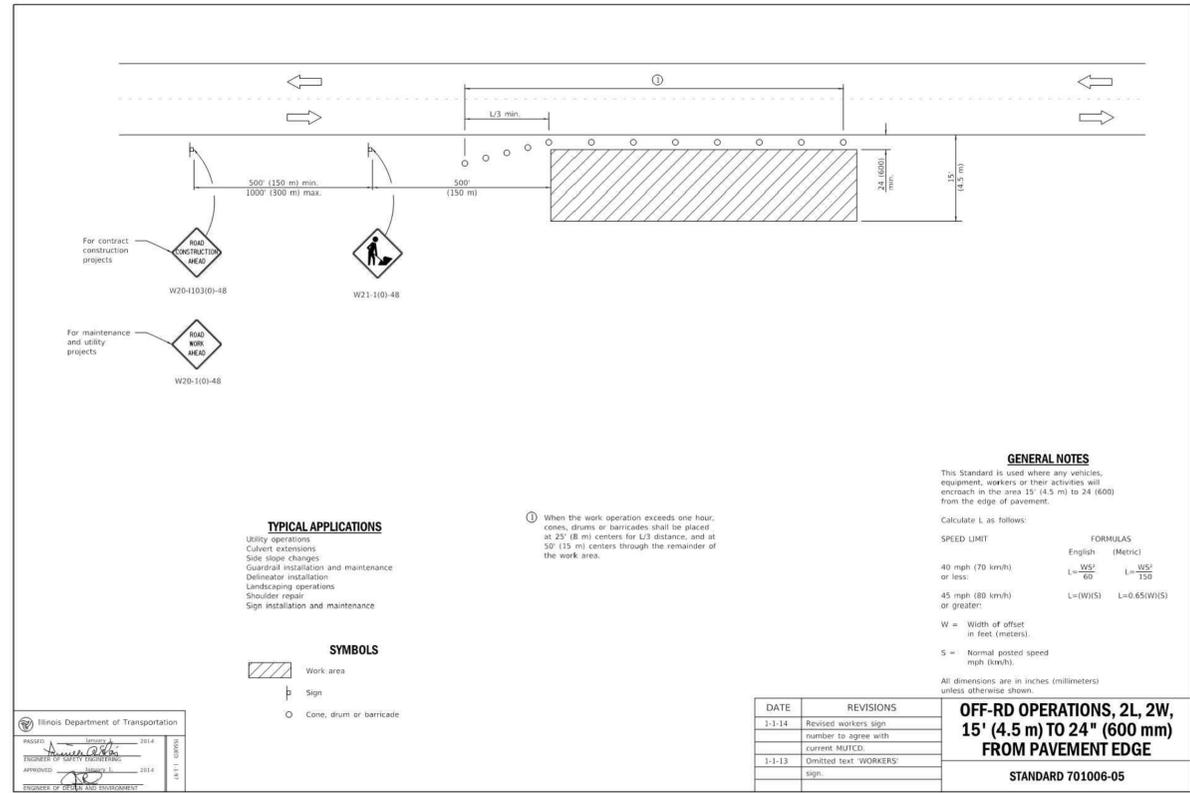
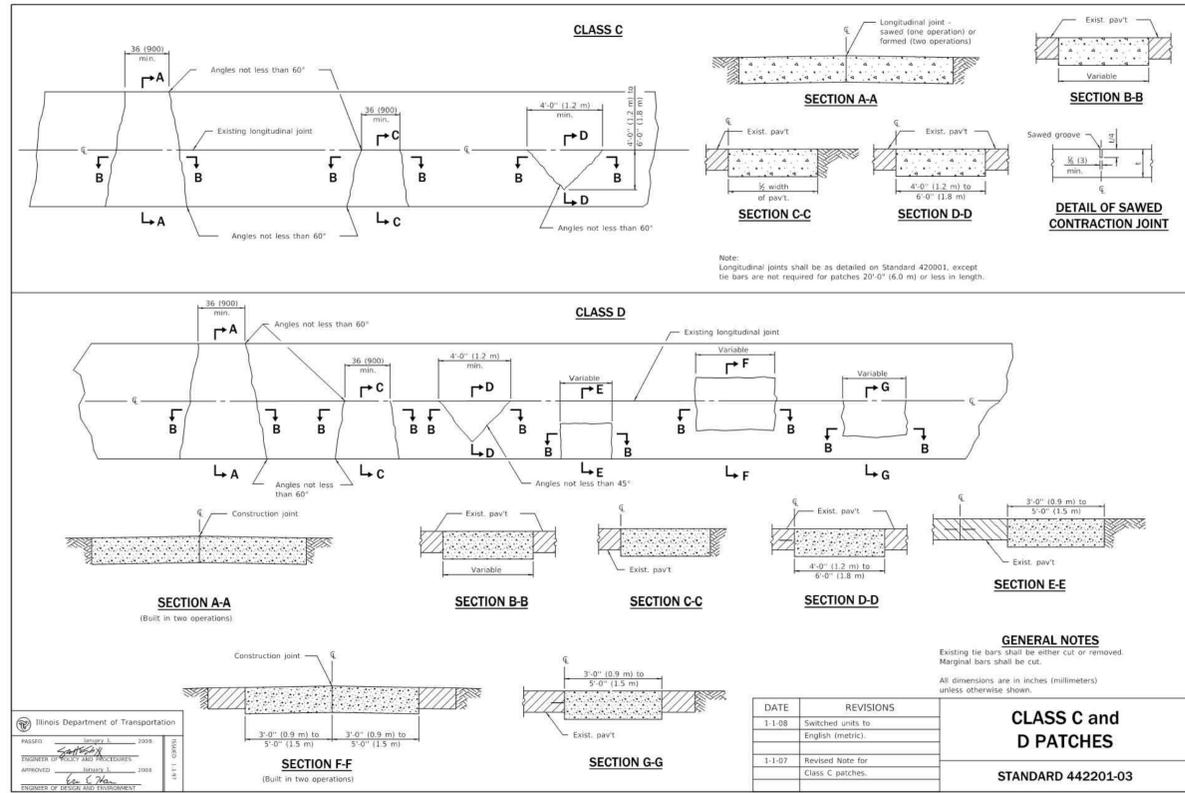
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DRAWN BY: MPL
 APPROVED: DWS
 JOB DATE: 05/23/2019
 JOB NO: 18055.02

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FINAL - FOR BID/PERMIT

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NO.	DATE	BY	REVISION DESCRIPTION

ILLINOIS DESIGN FIRM
184.001322
651 PRAIRIE POINTE,
SUITE 201
YORKVILLE, IL 60560
PHONE: 630.553.7560
FAX: 630.553.7646

STONEHILL ROAD LIFT STATION DECOMMISSION
CLIENT: VILLAGE OF OSWEGO
OSWEGO, IL
FINAL ENGINEERING - FOR PERMIT
STANDARD CONSTRUCTION DETAILS

BAR IS ONE INCH ON OFFICIAL DRAWINGS
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IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY

DRAWN BY: MPL
APPROVED: DWS
JOB DATE: 05/23/2019
JOB NO: 18055.02

DRAWING
C-09

FINAL - FOR BID/PERMIT

DAYTIME USE
Orange
Posted speed < 45 mph
Any posted speed

CONES
Any posted speed

DAY OR NIGHTTIME USE
Any posted speed

TUBULAR MARKER
POST MOUNTED

VERTICAL PANEL
POST MOUNTED

DRUM

TYPE I BARRICADE

TYPE II BARRICADE

TYPE III BARRICADE

DIRECTION INDICATOR BARRICADE

VERTICAL BARRICADE

DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE

GENERAL NOTES
All heights shown shall be measured above the pavement surface.
All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-19	Revised cone usage and added cones >36" (900 mm) 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

FLAGGER TRAFFIC CONTROL SIGN

TRAFFIC CONTROL DEVICES
(Sheet 2 of 3)
STANDARD 701901-08

TYPE A ROOF MOUNTED

TYPE B ROOF OR TRAILER MOUNTED

TYPE C TRAILER MOUNTED

ARROW BOARDS

SECTION A-A

TEMPORARY RUMBLE STRIPS

TYPICAL INSTALLATION

ROAD CLOSED TO ALL TRAFFIC
ReflectORIZED striping may be omitted on the back side of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the sign may be mounted on an NCHRP 350 temporary sign support directly in front of the barricade.

ROAD CLOSED TO THRU TRAFFIC
ReflectORIZED striping shall appear on both sides of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the sign may be mounted on NCHRP 350 temporary sign supports directly in front of the barricade.

TRAFFIC CONTROL DEVICES
(Sheet 3 of 3)
STANDARD 701901-08

NO.	DATE	BY	REVISION DESCRIPTION

ILLINOIS DESIGN FIRM
184.001322
651 PRAIRIE POINTE,
SUITE 201
YORKVILLE, IL 60560
PHONE: 630.553.7560
FAX: 630.553.7646

HRGreen

STONEHILL ROAD LIFT STATION DECOMMISSION
CLIENT: VILLAGE OF OSWEGO
OSWEGO, IL

FINAL ENGINEERING - FOR PERMIT
STANDARD CONSTRUCTION DETAILS

BAR IS ONE INCH ON OFFICIAL DRAWINGS
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DRAWN BY: MPL
APPROVED: DWS
JOB DATE: 05/23/2019
JOB NO: 18055.02

DRAWING
C-10

FINAL - FOR BID/PERMIT