

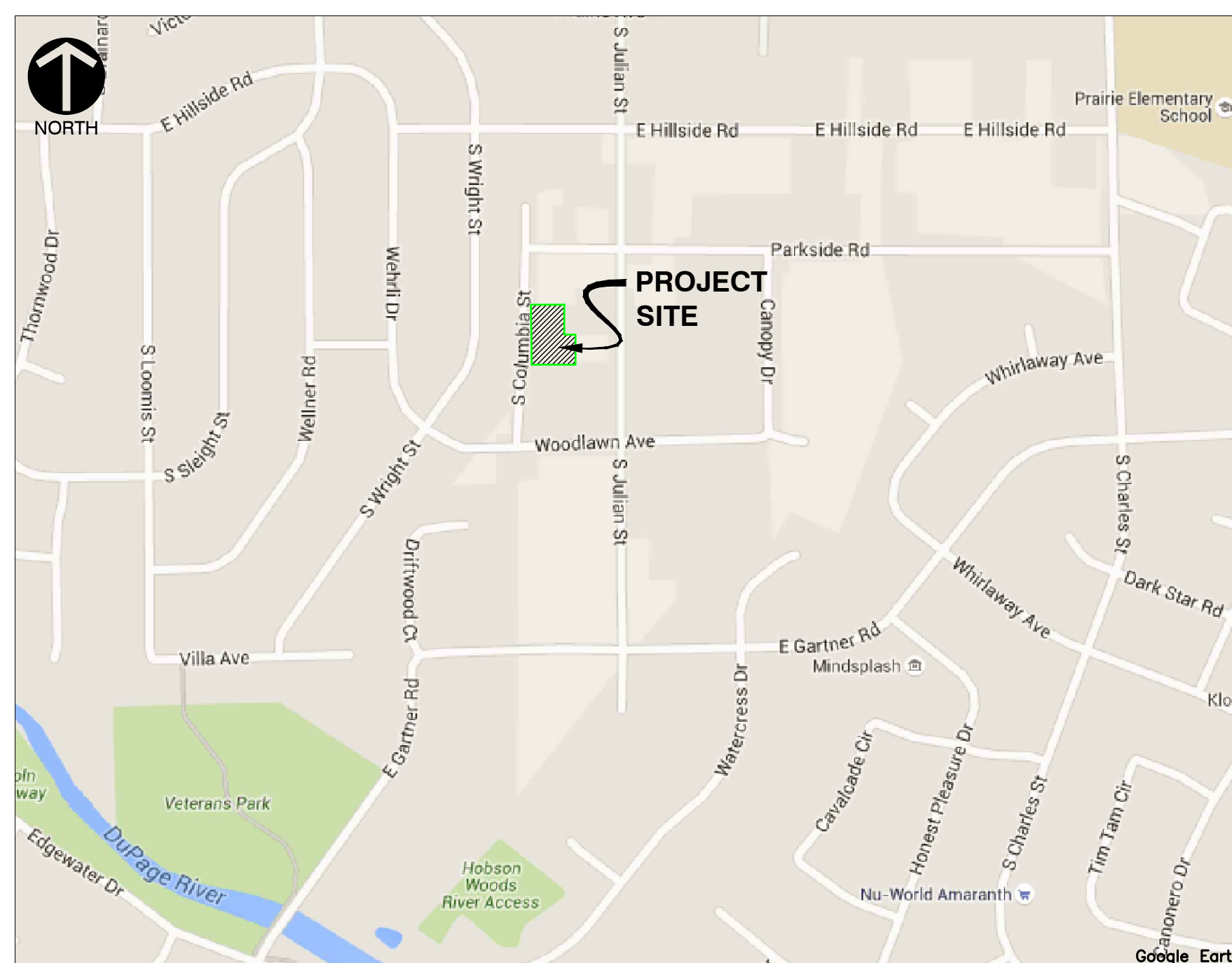
FINAL ENGINEERING PLANS

ROCAS HILL SUBDIVISION

NAPERVILLE, ILLINOIS 60540

LEGEND

PROPOSED	EXISTING	DESCRIPTIONS
---	---	BOUNDARY PROPERTY LINE
---	---	PROPERTY LINE
---	---	RIGHT-OF-WAY
---	---	UNDERLYING PROPERTY LINE
---	---	CENTER LINE
---	---	EASEMENT LINE
---	---	SETBACK LINE
---	---	SECTION LINE
---	---	INDEX (MAJOR) CONTOUR
---	---	INTERMEDIATE (MINOR) CONTOUR
-X-X-	-X-X-	EXISTING FENCE LINE
-/-/-/-	-/-/-/-	EXISTING WOOD FENCE LINE
---	---	CURB
---	---	EDGE OF PAVEMENT
---	---	EDGE OF GRAVEL
---	---	PAVEMENT SHOULDER
ST	ST	STORM PIPE
▶	▶	DOWNSPOUT SERVICE LINE
W	W	WATER LINE
SAN	SAN	SANITARY SEWER LINE
FM	FM	PROPOSED FORCEMAIN
G	G	GAS LINE
OH-W	OH-E	OVERHEAD WIRE
E	E	ELECTRIC LINE
C	C	CABLE LINE
FO	FO	FIBER OPTIC LINE
T	T	TELEPHONE LINE
---	---	GUIDE RAIL
---	---	TREELINE
---	---	PROPOSED TRENCH BACKFILL
---	---	PROPOSED CONCRETE
---	---	PROPOSED PAVEMENT
---	---	PROPOSED RIPRAP
---	---	PROPOSED STRIPING
---	---	BUILDING
---	---	PROPOSED SLOPE LABEL
---	---	PROPOSED SPOT ELEVATION
---	---	TOP OF WALL ELEVATION
---	---	BOTTOM OF WALL ELEVATION
---	---	TOP OF CURB ELEVATION
---	---	FLOWLINE ELEVATION
⊙	⊙	SANITARY MANHOLE
⊙	⊙	CLEANOUT
⊙	⊙	FLARED END SECTION
⊙	⊙	STORM MANHOLE
⊙	⊙	STORM CATCH BASIN (ROUND LID)
⊙	⊙	STORM CATCH BASIN (CURB LID)
⊙	⊙	STORM CURB INLET
⊙	⊙	STORM INLET (CIRCULAR)
⊙	⊙	STORM INLET (SQUARE)
⊙	⊙	STORM BEEHIVE INLET
⊙	⊙	STORM DRAIN OR DOWNSPOUT
⊙	⊙	WATER VALVE VAULT
⊙	⊙	WATER VALVE BOX
⊙	⊙	FIRE HYDRANT
⊙	⊙	ELECTRIC CONTROL CABINET (ABOVE GRADE)
⊙	⊙	ELECTRIC HANDHOLE
⊙	⊙	TRANSFORMER
⊙	⊙	ELECTRIC METER
⊙	⊙	LIGHT STANDARD
⊙	⊙	UTILITY POLE
⊙	⊙	TRAFFIC MANHOLE
⊙	⊙	TELEPHONE PULL BOX (FLUSH WITH GRADE)
⊙	⊙	TELEPHONE BOX/CABINET (ABOVE GRADE)
⊙	⊙	CABLE MANHOLE
⊙	⊙	FIBER OPTIC BOX/CABINET (ABOVE GRADE)
⊙	⊙	FIBER OPTIC MANHOLE
⊙	⊙	GAS LINE MARKER
⊙	⊙	MANHOLE (UNKNOWN)



SITE MAP
N.T.S.

Sheet List Table	
Sheet Number	Sheet Title
C000	COVER SHEET
C001	SITE SPECIFICATIONS - 1
C002	SITE SPECIFICATIONS - 2
C003	SITE SPECIFICATIONS - 3
C100	EXISTING CONDITIONS
C101	DEMOLITION AND SOIL EROSION & SEDIMENTATION CONTROL PLAN
C300	SITE GRADING PLAN
C500	SITE UTILITY PLAN & COLUMBIA STREET PROFILE
C800	DETAILS - 1
C801	DETAILS - 2
C802	DETAILS - 3
C803	DETAILS - 4

BENCH MARKS:

REFERENCE BENCHMARK:

- NAPERVILLE MONUMENT #1007: BERNSTEN 3D MONUMENT AT THE SOUTHEAST CORNER OF THE INTERSECTION OF CHARLES STREET AND CHESHIRE LANE. SAID MONUMENT IS 14.3± FEET NORTHEAST OF CROSS CUT ON SANITARY MANHOLE, 14.65 FEET NORTH OF A PK NAIL THE TOP OF A FENCEPOST AND 43.23 FEET SOUTHWEST OF TOP CENTER BOLT OF THE FIRE HYDRANT AT THE NORTHEAST CORNER OF SAID INTERSECTION.

ELEVATION= 733.69 (NAVD 88)

SITE BENCHMARKS:

- MAG NAIL IN ASPHALT PAVEMENT NORTH OF THE DRIVEWAY FOR 710 S. COLUMBIA STREET. SAID NAIL IS 31.5± FEET NORTHWEST OF SANITARY NEAR THE SOUTHWEST PROPERTY CORNER FOR 710 S. COLUMBIA STREET AND 21.3± FEET WEST OF FIRE HYDRANT WEST OF ROADWAY.

ELEVATION: 711.97

- MAG NAIL IN THE NORTH EDGE OF ASPHALT OF ROADWAY AT THE INTERSECTION OF S. COLUMBIA STREET AND PARKSIDE ROAD. SAID NAIL IS 7.3± FEET NORTHWEST OF A SANITARY MANHOLE AND 25.7± FEET SOUTHWEST OF WATER VALVE VAULT.

ELEVATION: 713.52

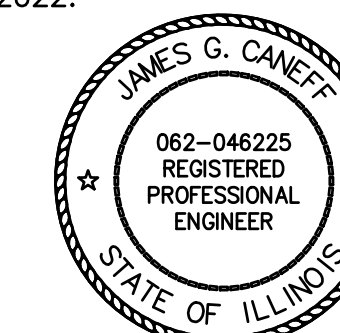
STATE OF ILLINOIS }
COUNTY OF DUPAGE }SS

I, JAMES G. CANEFF, AN ILLINOIS PROFESSIONAL ENGINEER, HEREBY CERTIFY THAT THESE PLANS HAVE BEEN PREPARED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC., ILLINOIS LICENSED PROFESSIONAL DESIGN FIRM NO. 184-004002, LICENSE EXPIRES APRIL 30, 2023, UNDER MY PERSONAL DIRECTION FOR THE EXCLUSIVE USE OF THE CLIENT NOTED BELOW. REPRODUCTION OR USE BY THIRD PARTIES IS STRICTLY PROHIBITED WITHOUT THE WRITTEN PERMISSION OF THE UNDERSIGNED.

GIVEN UNDER MY HAND AND SEAL THIS 18TH DAY OF JANUARY, 2022.

James G. Caneff

ILLINOIS LICENSED PROFESSIONAL ENGINEER NO. 46225
REGISTRATION VALID THROUGH NOVEMBER 30, 2023
(NOT VALID WITHOUT ORIGINAL SIGNATURE)



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811
Know what's below.
Call before you dig.

ILLINOIS LAW REQUIRES ANYONE DIGGING TO CALL JULIE AT 1-800-892-0123 AT LEAST 48 HOURS/TWO WORKING DAYS PRIOR TO THE START OF EXCAVATION AND THE PROJECT MUST BEGIN WITHIN 14 CALENDAR DAYS FROM THE CALL.

PROJECT TEAM

OWNER

NIMISHA & ANTHONY PAVONE
SANDHYA & PRADIP SHAH
1048 WHITEWATER LANE
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CONTACT: JIM CANEFF, P.E.

REVISION RECORD

NO	DATE	DESCRIPTION
1	1/19/2022	REVISION PER CITY REVIEW DATED 11/03/2021
2	01/18/2022	REVISION PER CITY REVIEW DATED 1/20/2021

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ROCAS HILL SUBDIVISION
7S345 COLUMBIA STREET
NAPERVILLE, ILLINOIS 60540

DATE	DRAWN BY	SRH
10/12/2021	NONE	JGC
DATE	DRAWN BY	SRH
10/12/2021	NONE	JGC
DATE	DRAWN BY	SRH
10/12/2021	NONE	JGC

DRAWING NO. **C000**

CITY OF NAPERVILLE - DEPARTMENT OF PUBLIC UTILITIES
WATER/WASTEWATER GENERAL NOTES

- a. New water main valves... shall only be operated by the City of Naperville...
b. Any existing utility structures requiring adjustment or reconstruction shall be completed by the contractor...
c. Trees shall be installed a minimum of five (5) feet horizontally from underground electrical feeders...
d. All retainer glands when required to restrain valves... shall be mechanical joint wedge action type MEGALUG 1100 Series...
e. Existing ductile iron systems for restraining push-on pipe bells shall be MEGALUG SERIES 1100HD or FORD SERIES 1390...
f. Existing ductile iron systems requiring restraint shall be MEGALUG SERIES 1100SD (split MEGALUG) for mechanical joints...
g. Ductile iron water main to be Class 52...
h. A set of as-built record drawing shall be given to the City of Naperville upon completion of improvements...
i. All sanitary sewer piping shall be PVC pipe meeting the requirements of ASTM D-2241 with joints conforming to ASTM D-3139...
j. The valves less than 16" shall be standard pattern, gate valves and shall have the name or mark of the manufacturer...
k. Stainless steel nuts, bolts/T-bolts, and washers, Type 304 or better, will be required on all water main installations...
l. The contractor shall rotate and/or adjust any existing and/or new hydrant to the satisfaction of the Department of Public Utilities...
m. Water mains shall be subjected to a hydrostatic/leakage test in accordance with Naperville Standard Specifications...
n. Fire hydrant should be bagged "NOT IN SERVICE" until all testing and disinfection has been completed...
o. Sanitary sewer in and water shall be constructed, tested, and placed into service in accordance with City of Naperville Standard Specification and Specifications for Water and Sewer Main Construction in Illinois...
p. All valve boxes, vaults, hydrants, and manholes shall not be covered with construction debris...
q. Water service line smaller than 3" shall be type K copper...
r. All sanitary manholes shall be tested for leakage by vacuum testing...
s. Any manholes that fail the test shall be sealed and re-tested until acceptable...
t. The contractor shall provide internal televised inspection of all installed sanitary sewer...
u. Contractor work hours are only allowed from 7:00 a.m. to 5:00 p.m...
v. Sanitary pipes with less than 4 feet or more than 25 feet of cover shall be constructed of ductile iron piping...
w. All excavations more than 20 feet deep must be protected by a system designed by a registered professional engineer...
x. Contractor shall maintain 2' minimum clearance between existing utilities and new foundations...
y. Fences shall be installed a minimum of 5 feet from any water or sanitary mains...
z. All brass components shall be certified to be lead free in compliance with NSF 61 and NSF 372 and identified with applicable markings.

OTHER NOTES:

- A. Manholes shall be furnished with a self-sealing frame and solid cover...
B. Both the manhole frame and cover shall have machined horizontal and vertical bearing surfaces...
C. Pick holes shall not create openings in the manhole cover...
D. Bolt-down frames and covers shall be Neenah Foundry R-1916-F1, East Jordan Iron Works 1040 ZPT or equal approved by the City Engineer...
E. Manhole frames shall be adjusted to proper grade using reinforced, precast concrete or fiberized rings...
F. All manhole frames and adjusting rings shall be securely sealed to the cone section or top barrel section of the manhole...
G. A continuous layer of non-hardening, preformed bituminous mastic material, Con Seal 102 B or approved equal shall be applied to each manhole barrel cone and top section to provide a watertight seal...
H. All brass components shall be certified to be lead free in compliance with NSF 61 and NSF 372 and identified with applicable markings...
I. The sanitary forecman shall be tested a minimum of one (1) hour at 1.5 times the shut off head of the pump...

TRANSPORTATION, ENGINEERING AND DEVELOPMENT BUSINESS GROUP STANDARD
CONSTRUCTION PLAN NOTES FOR DEVELOPMENT PROJECTS

GENERAL NOTES

- 1. THE OWNER OR HIS/HER/ THEIR REPRESENTATIVE IS RESPONSIBLE TO OBTAIN ANY AND ALL PERMITS REQUIRED BY APPLICABLE GOVERNMENTAL AGENCIES.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF NAPERVILLE DESIGN MANUAL AND STANDARD SPECIFICATIONS (CURRENT EDITION) AND WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (CURRENT EDITION).
3. ALL CONTRACTORS DOING WORK IN THE PUBLIC RIGHT-OF-WAY MUST BE LICENSED (WHEN APPLICABLE) TO MAKE PUBLIC IMPROVEMENTS WITHIN THE NAPERVILLE CORPORATE LIMITS.
4. THE CONTRACTOR/DEVELOPER ASSUMES ALL RESPONSIBILITY AND LIABILITY FOR ANY ACTION RESULTING FROM THEIR WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
5. THE CONTRACTOR/DEVELOPER SHALL INDEMNIFY AND HOLD HARMLESS THE CITY OF NAPERVILLE.
6. PRIOR TO COMMENCEMENT OF ANY OFF-SITE CONSTRUCTION, THE CONTRACTOR SHALL SECURE WRITTEN AUTHORIZATION THAT ALL OFF-SITE EASEMENTS HAVE BEEN SECURED AND THAT PERMISSION HAS BEEN GRANTED TO ENTER ONTO PRIVATE PROPERTY.
7. THE CONTRACTOR AND THEIR ON-SITE REPRESENTATIVES WILL BE REQUIRED TO ATTEND A PRE-CONSTRUCTION MEETING WITH THE CITY OF NAPERVILLE PRIOR TO ANY WORK BEING STARTED...
8. A MINIMUM OF 48 HOURS NOTICE SHALL BE GIVEN TO THE CITY OF NAPERVILLE TED BUSINESS GROUP...
9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ADEQUATELY IDENTIFY AND LOCATE ALL EXISTING UTILITIES PRIOR TO EXCAVATION...
10. THE CONTRACTOR CAN SCHEDULE ALL NECESSARY SITE INSPECTIONS WITH THE CITY OF NAPERVILLE BY CALLING (630) 420-6082...
11. RECORD DRAWINGS ARE REQUIRED TO BE SUBMITTED AND APPROVED BY THE CITY OF NAPERVILLE PRIOR TO FINAL OCCUPANCY BEING GRANTED.
12. FINAL ACCEPTANCE OF PUBLIC IMPROVEMENTS SHALL BE GRANTED ONLY AFTER A FINAL INSPECTION HAS BEEN COMPLETED AND HAS REVEALED THAT ALL IMPROVEMENTS HAVE BEEN SATISFACTORILY COMPLETED IN ACCORDANCE WITH THE NAPERVILLE STANDARD SPECIFICATIONS...

STORM SEWER NOTES (GENERAL)

- 1. NO CONNECTION TO AN EXISTING PUBLIC STORM SEWER MAY BE MADE WITHOUT PERMISSION OF THE CITY ENGINEER.
2. THE CONTRACTOR SHALL REPAIR ANY EXISTING FIELD DRAINAGE TILE DAMAGED DURING CONSTRUCTION AND PROPERLY REROUTE AND/OR CONNECT SAID TILE TO THE NEAREST STORM SEWER OUTLET...

STORM SEWER NOTES (STORM SEWER WORK IN PLANS)

- 1. THE FOLLOWING MATERIALS ARE PERMITTED FOR STORM SEWER AND PIPE CULVERTS...
a. REINFORCED CONCRETE PIPE (RCP) - REINFORCED CONCRETE PIPE SHALL CONFORM TO ASTM DESIGNATION C 76...
b. NON-REINFORCED CONCRETE PIPE - NON-REINFORCED CONCRETE PIPE SHALL BE ALLOWED FOR PIPES WITH A 10 INCH OR SMALLER DIAMETER...
c. DUCTILE IRON PIPE (DIP) - DUCTILE IRON PIPE SHALL CONFORM TO ANSI A 21.51 (AWWA C-151)...
d. POLYVINYL CHLORIDE PIPE (PVC) - POLYVINYL CHLORIDE (PVC) PIPE SHALL CONFORM TO ASTM D 3034, TYPE PSM...
e. HIGH DENSITY POLYETHYLENE PIPE (HDPE) - HIGH-DENSITY POLYETHYLENE (HDPE) PIPE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 252 AND M 294...
f. FULLY GALVANIZED CORRUGATED STEEL PIPE - FULLY GALVANIZED CORRUGATED STEEL PIPE MAY BE USED FOR RESIDENTIAL DRIVEWAY CROSSINGS ONLY WHEN A DITCH SECTION IS PRESENT...

- 2. BEDDING, OTHER THAN CONCRETE EMBEDMENT, SHALL CONSIST OF GRAVEL, CRUSHED GRAVEL, OR CRUSHED STONE 1/4 INCH TO 1 INCH IN SIZE...
3. BACKFILL MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF IDOT STANDARD SPECIFICATIONS...
4. JOINTS CONNECTING DISSIMILAR PIPE MATERIALS SHALL BE MADE WITH SEWER CLAMP NON-SHEAR TYPE COUPLINGS...
5. MANHOLES FOR STORM SEWERS SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES AND SHALL BE CONSTRUCTED OF PRECAST CONCRETE UNITS...
6. MANHOLES SHALL BE FURNISHED WITH A SELF-SEALING FRAME AND SOLID COVER (EAST JORDAN IRON WORKS 1022 WITH TYPE A SOLID COVER, OR APPROVED EQUAL) WITH THE WORD "STORM" IMPRINTED ON THE COVER...

- 7. MANHOLE STEPS ON MAXIMUM 16 INCH CENTER SHALL BE FURNISHED WITH EACH MANHOLE, SECURELY ANCHORED IN PLACE, TRUE TO VERTICAL ALIGNMENT...
8. CATCH BASINS AND INLETS SHALL HAVE A MINIMUM INSIDE DIAMETER OF 24 INCHES AND SHALL BE CONSTRUCTED OF PRECAST CONCRETE UNITS...
9. ALL PIPE SHALL BE LAID TRUE TO LINE AND GRADE...
10. FOR STRUCTURES LOCATED IN PAVED AREAS, A MINIMUM OF FOUR, 2-INCH DIAMETER HOLES SHALL BE DRILLED OR PRE-CAST WITHIN 1 FOOT OF THE LOWEST PIPE AND THE HOLES SHALL BE DISTRIBUTED EQUIDISTANT AROUND THE PERIMETER OF THE STRUCTURE...

- GRATES SHALL MEET OR EXCEED AASHTO H-20 LOADING SPECIFICATIONS...
a. PAVEMENT: EAST JORDAN IRON WORKS 1022 FRAME WITH TYPE M1 RADIAL FLAT GRATE, OR APPROVED EQUAL.
b. BARRIER CURB AND GUTTER: EAST JORDAN IRON WORKS 7220 FRAME WITH TYPE M1 GRATE AND TI CURB BOX, OR APPROVED EQUAL.
c. DEPRESSED CURB: EAST JORDAN IRON WORKS 5120 FRAME AND GRATE, OR APPROVED EQUAL.
d. MOUNTABLE CURB: EAST JORDAN IRON WORKS 7525 FRAME AND GRATE, OR APPROVED EQUAL.
e. NON-PAVED AREAS: EAST JORDAN IRON WORKS 6527 BEEHIVE GRATE, OR APPROVED EQUAL...

- ADJUSTMENTS MAY BE NECESSARY TO ENSURE THAT FRAMES AND GRATES MATCH THE ELEVATION OF THE SURROUNDING PAVEMENT OR GROUND SURFACE...
ALL RINGS SHALL BE HIGH DENSITY POLYETHYLENE PLASTIC (HDPE), RECYCLED RUBBER, HIGH DENSITY EXPANDING POLYSTYRENE, EXPANDED POLYPROPYLENE (EPP), OR OTHER MATERIAL AS APPROVED BY THE CITY ENGINEER...
A RESILIENT, FLEXIBLE, NON-HARDENING, PREFORMED BITUMINOUS MASTIC MATERIAL, CONSEAL 102 B OR APPROVED EQUAL, SHALL BE USED BETWEEN THE CONE OR TOP BARREL SECTION OF THE STRUCTURE AND THE ADJUSTING RINGS...
ALL STORM SEWER STRUCTURE FRAMES WITHOUT INSIDE FLANGES SHALL BE SHAPED WITH HYDRAULIC CEMENT OR ELASTOMERIC JOINT SEALANT TO FORM A FILLET TO THE STRUCTURE OR ADJUSTING RINGS AND TO MAINTAIN WATER-TIGHTNESS...

- FRAME ADJUSTMENTS SHALL BE COMPLETED IN ACCORDANCE WITH SECTIONS 602 AND 603 OF STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION...
ALL STORM SEWER STRUCTURE FRAMES WITHOUT INSIDE FLANGES SHALL BE SHAPED WITH HYDRAULIC CEMENT OR ELASTOMERIC JOINT SEALANT TO FORM A FILLET TO THE STRUCTURE OR ADJUSTING RINGS AND TO MAINTAIN WATER-TIGHTNESS...

- EROSION CONTROL AND DRAINAGE NOTES (GENERAL)
1. THE CONTRACTOR SHALL MAINTAIN PROPER DRAINAGE AT ALL TIMES DURING THE COURSE OF CONSTRUCTION AND PREVENT STORM WATER FROM RUNNING INTO OR STANDING IN EXCAVATED AREAS.
2. DURING EXTENDED DRY PERIODS, THE CONSTRUCTION AREA(S) MAY NEED TO BE WATERED DOWN TO PREVENT THE BLOWING OF SOIL FROM THE SITE.
3. DURING CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE UTILIZED TO MINIMIZE THE TRACKING OF DIRT ONTO THE PUBLIC STREETS...

- EROSION CONTROL AND DRAINAGE NOTES (PROJECT SPECIFIC)
1. ALL EROSION CONTROL MEASURES SHALL BE PROPERLY INSTALLED, AS PERMITTED, PRIOR TO ANY LAND DISTURBANCE ACTIVITIES...
2. ACCEPTABLE PERIMETER EROSION CONTROL INCLUDES SILT FENCE, SILT WORM AND ANY OTHER APPLICATION APPROVED BY THE CITY ENGINEER.
3. ALL OPEN GRATE STRUCTURES SHALL HAVE EROSION CONTROL PROTECTION IN ACCORDANCE WITH THE APPROVED EROSION CONTROL PLANS...
4. STOCKPILES NOT BEING DISTURBED FOR MORE THAN 14 DAYS SHALL BE SEEDED.
5. ALL EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY...
6. IT IS THE RESPONSIBILITY OF THE OWNER OR HIS DESIGNEE TO INSPECT ALL TEMPORARY EROSION CONTROL MEASURES PER THE REQUIREMENTS OF THE NPDES PERMIT AND CORRECT ANY DEFICIENCIES AS NEEDED.

GEOMETRIC AND PAVING NOTES (GENERAL)

- 1. THE DEVELOPER AND CONTRACTOR SHALL HAVE THE RESPONSIBILITY TO ADEQUATELY PROTECT THE PAVEMENT AND PROPERTY...
2. ANY NEW OR EXISTING IMPROVEMENTS THAT ARE DAMAGED SHALL BE REPAIRED OR REPLACED IN A MANNER THAT IS SATISFACTORY TO THE CITY ENGINEER.
3. THE CONTRACTOR AND/OR DEVELOPER SHALL SECURE ALL NECESSARY RIGHTS AND PERMISSIONS TO PERFORM ANY WORK ON PRIVATE PROPERTY NOT WITHIN THE OWNERSHIP RIGHTS OF THE DEVELOPER...
4. THE CONTRACTOR/DEVELOPER WILL BE RESPONSIBLE FOR BRINGING PAVEMENTS (STREET, CURB AND GUTTER, SIDEWALK, DRIVEWAY) ON THE PROPERTY UP TO CITY STANDARDS INCLUDING ANY REPAIRS TO SUBSTANDARD PAVEMENTS THAT EXISTED PRIOR TO OR OCCURRED DURING CONSTRUCTION.

- 5. WHEREVER NEW WORK WILL MEET EXISTING CONDITIONS OTHER THAN LAWN AREAS, REGARDLESS OF WHETHER THE NEW OR EXISTING WORK IS ASPHALT OR CONCRETE, THE EXISTING ADJACENT SIDEWALK, DRIVEWAYS, PAVEMENT OR CURB SHALL BE NEATLY SAW CUT...
TRAFFIC CONTROL AND PROTECTION NOTES (GENERAL)
1. ALL DEVELOPERS AND CONTRACTORS SHALL PROVIDE SUITABLE TRAFFIC CONTROL FOR THEIR CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH PART 6 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION...
2. PEDESTRIANS MUST BE PROVIDED WITH A SAFE ALTERNATE ROUTE IF PEDESTRIAN FACILITIES ARE TO BE CLOSED AS A RESULT OF CONSTRUCTION ACTIVITIES...
3. THE CONTRACTOR SHALL EMPLOY THE APPROPRIATE METHODS OF TRAFFIC CONTROL IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES...
4. ANY TEMPORARY OPEN HOLES SHOULD BE BARRICADED AND PROTECTED IN ACCORDANCE WITH APPLICABLE STANDARDS.
5. A MINIMUM 72 HOUR NOTICE IS REQUIRED FOR TRAFFIC CONTROL THAT REDUCES THE WIDTH OF A TRAVEL LANE LESS THAN 12 FEET OR CLOSURES A LANE...
6. LANE CLOSURES ON ARTERIAL ROADWAYS WITHIN THE CITY OF NAPERVILLE ARE NOT PERMITTED BETWEEN THE HOURS OF 6AM-9AM AND 3PM-7PM MONDAY THROUGH FRIDAY...
7. ANY WORK THAT IMPACTS A TRAFFIC LANE ON AN ARTERIAL ROADWAY REQUIRES AN ARROWBOARD AS PART OF THE TRAFFIC CONTROL.
8. AT THE END OF EACH DAY OF WORK, THE ROADWAY MUST BE COMPLETELY REOPENED TO TRAFFIC...

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NAPERVILLE, ILLINOIS 60540

SITE SPECIFICATIONS - 3

DRAWING NO.: C003
SHEET 4 OF 12

Table with columns: NO., DATE, REVISION DESCRIPTION, and REVISION SHEET FREQUENCY. Contains revision data for sheet 4 of 12.

Revision notes table detailing changes to the drawing.

Revision notes table detailing changes to the drawing.

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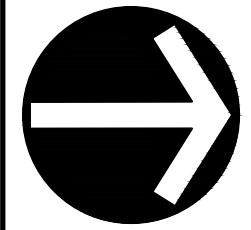
Revision notes table detailing changes to the drawing.

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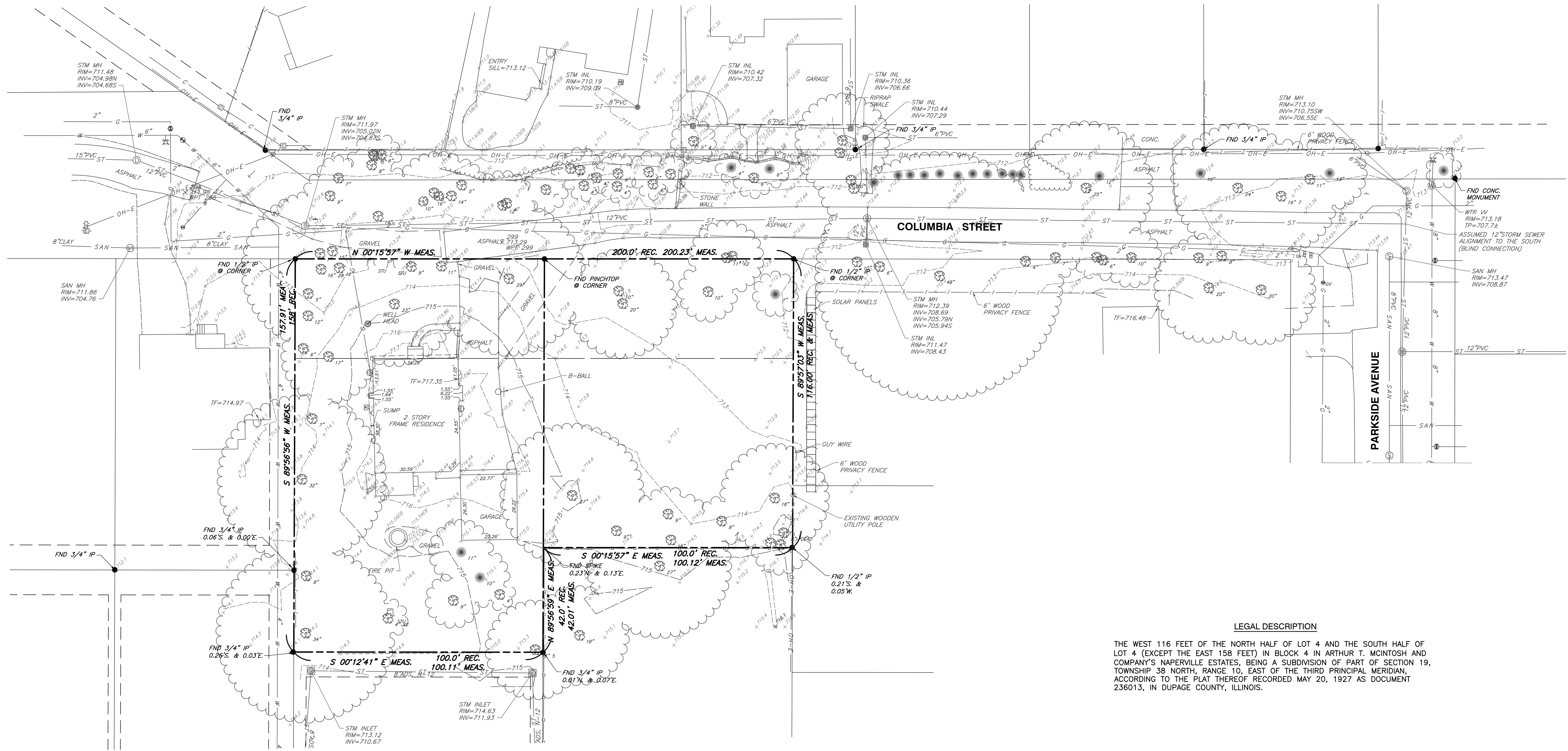
Revision notes table detailing changes to the drawing.

Revision notes table detailing changes to the drawing.

Revision notes table detailing changes to the drawing.



NORTH

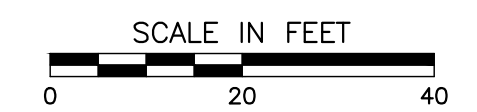


LEGAL DESCRIPTION

THE WEST 116 FEET OF THE NORTH HALF OF LOT 4 AND THE SOUTH HALF OF LOT 4 (EXCEPT THE EAST 158 FEET) IN BLOCK 4 IN ARTHUR T. MCINTOSH AND COMPANY'S NAPERVILLE ESTATES, BEING A SUBDIVISION OF PART OF SECTION 19, TOWNSHIP 38 NORTH, RANGE 10, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED MAY 20, 1927 AS DOCUMENT 236013, IN DUPAGE COUNTY, ILLINOIS.

REFERENCE

- EXISTING CONDITIONS ARE BASED UPON FIELD OBSERVATIONS MADE ON JUNE, 4, 2021 BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
- FIELD DATUM: ILLINOIS STATE PLANE NAVD83 (2011) NAVD88 (VRS) GEOID18 - U.S. SURVEY FOOT.
- UNDERGROUND UTILITY INFORMATION SHOWN HEREON IS BASED UPON FIELD OBSERVATIONS, ATLAS MAPS PROVIDED BY THE CITY OF NAPERVILLE AND THOSE PUBLIC UTILITY COMPANIES OPERATING UNDER FRANCHISE OR CONTRACT WITH THE CITY OF NAPERVILLE.



REVISION RECORD

NO.	DATE	DESCRIPTION
1.	10/12/2021	REVISED PER CITY REVIEW DATED 11/09/2021
2.	11/10/2021	NO REVISION THIS SHEET PER CITY REVIEW DATED 12/01/2021

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EXISTING CONDITIONS

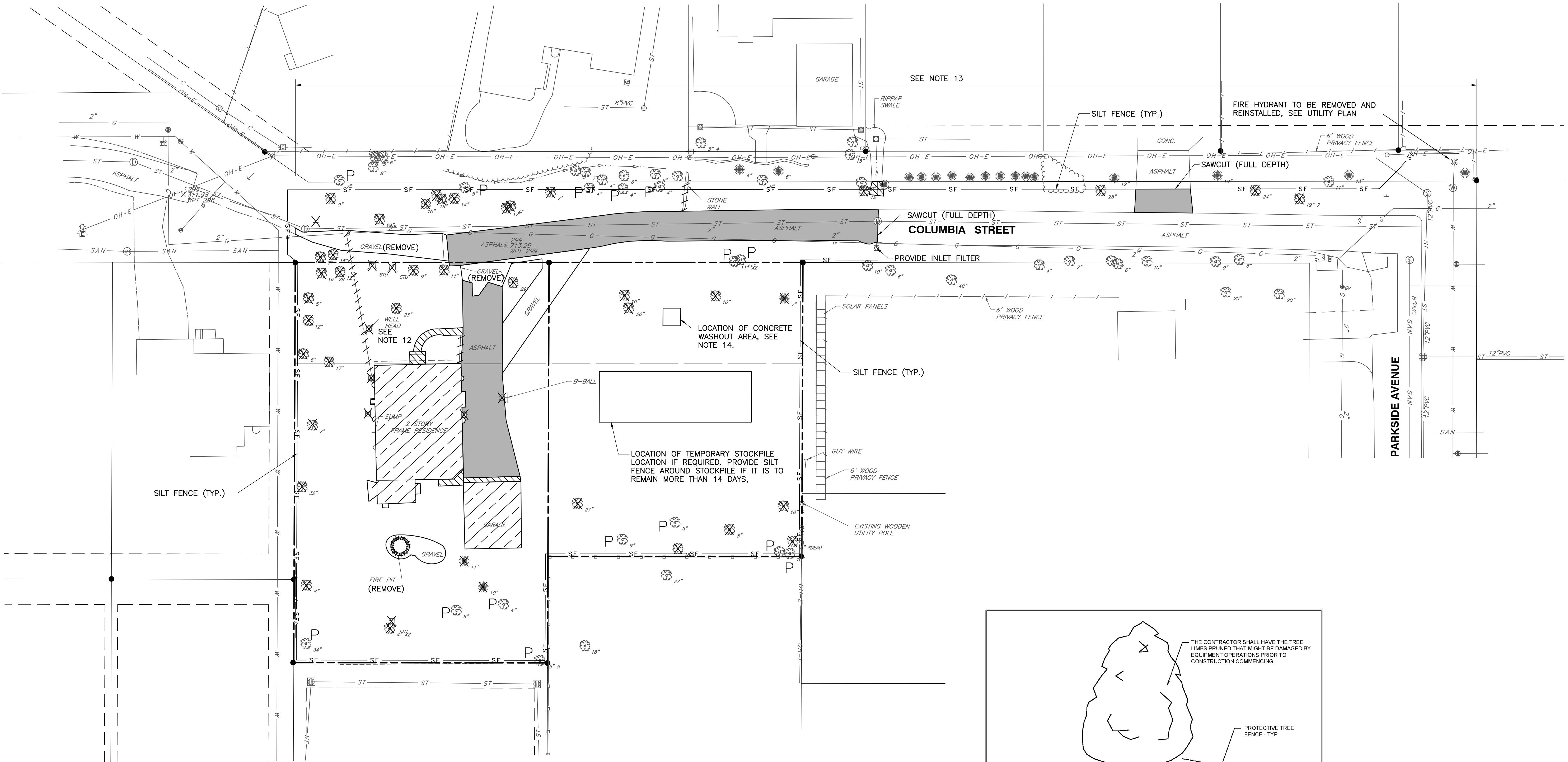
DATE:	SRH
10/12/2021	JGC
DWG SCALE:	JGC
1" = 20'	312-670-A100
PROJECT NO.:	JGC
APPROVED BY:	JGC

DRAWING NO.:

C100

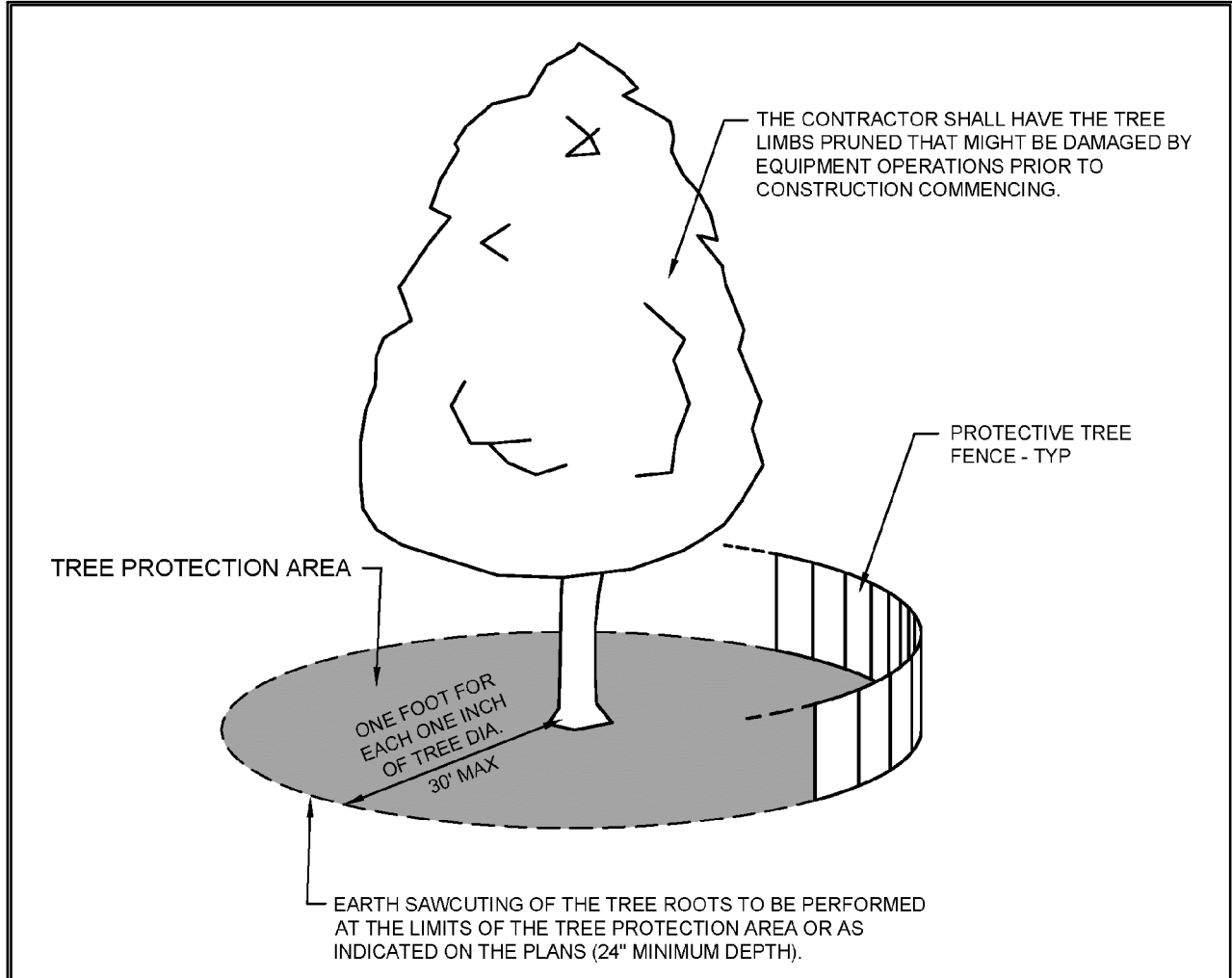
SHEET 5 OF 12

A:\170-200\175-670\175-670\175-670-019-010-EXISTING CONDITIONS.dwg(10/12/2021 11:39 AM) - LP: 1/19/2022 11:39 AM



DEMOLITION NOTES

- ALL PAVEMENTS, SIDEWALKS, UTILITIES, TREES, ETC. WITHIN THE SUBJECT PROPERTY SHALL BE REMOVED TO THE LIMITS SHOWN. REMOVAL ITEMS SHOWN OUTSIDE OF THE PROPERTY LIMITS ARE APPROXIMATE AND MAY OR MAY NOT CONSTITUTE ALL WORK NECESSARY TO CONSTRUCT THE PROJECT.
- TRENCHES, WITHIN PROPOSED PAVED AREAS, RESULTING FROM THE REMOVAL OF EXISTING UTILITIES SHALL BE BACKFILLED IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF ART. 550.07 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. THE CONTRACTOR SHALL ALSO PROPOSED UTILITY INSTALLATIONS WHICH MAY REQUIRE PAVEMENT REMOVAL, TEMPORARY PATCHING, AND TRENCH BACKFILL.
- ALL EXISTING PAVEMENT WITHIN THE CONSTRUCTION LIMITS, INCLUDING BITUMINOUS PAVEMENT, DRIVEWAYS AND CONCRETE SLABS SHALL BE COMPLETELY REMOVED.
- ALL TREES AND BRUSH SCHEDULED FOR REMOVAL SHALL BE COMPLETELY REMOVED INCLUDING TREE STUMPS AND/OR ROOT BALLS. TREES TO REMAIN SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO FINALIZING HIS BID FOR TREE REMOVAL.
- THE CONTRACTOR SHALL COORDINATE WITH THE VARIOUS UTILITY COMPANIES TO INSURE THAT SERVICE IS PROVIDED TO ADJACENT PROPERTIES DURING CONSTRUCTION. ALL MATERIAL, EXCEPT THAT BELONGING TO A PUBLIC UTILITY COMPANY OR DENOTED FOR SALVAGE SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
- EXISTING UTILITY LOCATIONS ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO
- EXISTING UTILITIES THAT ARE INTENDED TO CONTINUE TO PROVIDE SERVICE WHETHER THESE UTILITIES ARE SHOWN ON THE PLANS OR NOT.
- ALL DEBRIS FROM DEMOLITION SHALL BE HAULED OFF SITE AND DISPOSED OF BY LEGAL MEANS.
- ALL WORK SHALL BE DONE IN GENERAL ACCORDANCE WITH THE STANDARDS AND REQUIREMENTS CONTAINED IN THE MUNICIPAL "SOIL EROSION AND SEDIMENTATION CONTROL" ORDINANCE. THE CONTRACTOR SHALL INSTALL THE NECESSARY EROSION AND SEDIMENTATION CONTROL DEVICES THAT WILL PROTECT THE EXISTING STORM SEWERS, PUBLIC ROADWAYS, AND ADJACENT PROPERTIES FROM SEDIMENT THAT MAY ARISE FROM THE PROPOSED DEMOLITION AND/OR CONSTRUCTION. DEVICES SHALL INCLUDE SILT FENCE, FILTER BASKETS INSERTED INTO DRAINAGE STRUCTURES, CONSTRUCTION ENTRANCE, PAVEMENT CLEANING, ETC. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. SEE SHEET C300 FOR SOIL EROSION AND SEDIMENTATION CONTROL.
- DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. CONCRETE TRUCKS SHALL NOT BE PERMITTED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON SITE. SPECIFIC AREAS FOR THIS ACTIVITY SHALL BE DESIGNATED BY THE CONTRACTOR AND PROVIDED WITH ADEQUATE SILTATION BASINS AND OTHER FACILITIES TO ASSURE THAT DISCHARGE IS CONTAINED AND CLEANSED BEFORE ENTERING THE RECEIVING STORM SEWER SYSTEM.
- THE EXISTING COLUMBIA STREET PAVEMENT SHALL BE USED AS A TEMPORARY CONSTRUCTION ENTRANCE DURING CONSTRUCTION OF THE COLUMBIA STREET IMPROVEMENTS. STABILIZED CONSTRUCTION ENTRANCES SHALL BE AT EACH LOT PRIOR TO HOME CONSTRUCTION COMMENCEMENT. ALL ADJACENT STREETS SHOULD BE KEPT CLEAR OF MUD/DEBRIS. THE CONTRACTOR SHALL INSPECT THE STREETS DAILY AND CLEAN THEM AS NECESSARY.
- EXISTING SEPTIC SYSTEM/SEPTIC FIELD (NOT SHOWN) SHALL BE ABANDONED IN ACCORDANCE WITH DUPAGE COUNTY HEALTH DEPARTMENT REGULATIONS WITH DOCUMENTATION PROVIDED TO THE CITY OF NAPERVILLE.
- THE EXISTING WATER WELL SHALL BE CAPPED AND ABANDONED IN ACCORDANCE WITH DUPAGE COUNTY HEALTH DEPARTMENT REGULATIONS WITH DOCUMENTATION PROVIDED TO THE CITY OF NAPERVILLE.
- PROVIDE ROOT PRUNING ALONG WEST SIDE OF THE TRENCH FOR PROPOSED WATERMAIN INSTALLATION. THE CONTRACTOR SHALL ALSO REMOVE AND REPLANT THE EXISTING ARBORVITAE (NOT SHOWN) NEAR THE FIRE HYDRANT TO BE REMOVED AND REINSTALLED.
- A CONCRETE WASHOUT AREA SHOULD BE PROVIDED ONSITE. CONCRETE CANNOT BE WASHED OUT ONTO THE PUBLIC RIGHT OF WAY OR INTO THE STORM SEWER SYSTEM.

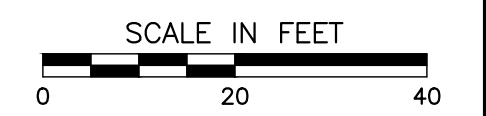


- NOTES:**
- A TREE PROTECTION AREA SHALL BE ESTABLISHED AROUND A TREE A DISTANCE OF ONE FOOT FOR EACH ONE INCH OF TREE DIAMETER, UP TO A MAXIMUM OF 30 FEET.
 - PROTECTIVE TREE FENCE SHALL BE INSTALLED AT THE LIMITS OF THE TREE PROTECTION AREA. THE FENCE SHALL BE HIGH ENOUGH SO AS TO BE VISIBLE TO ALL CONSTRUCTION PERSONNEL.
 - GRADE CHANGES, UTILITY TRENCHES, STORAGE OF CONSTRUCTION MATERIAL, DUMPING OF WASTE, OR OPERATION OR STORAGE OF ANY EQUIPMENT SHALL NOT BE ALLOWED WITHIN THE TREE PROTECTION AREA.
 - AUGURING IS REQUIRED IF A UTILITY MUST BE INSTALLED WITHIN THE TREE PROTECTION AREA. AUGURED UTILITIES MUST BE A MINIMUM OF 24 INCHES BELOW GRADE.
 - ALL TREES TO BE SAVED WHICH HAVE BEEN SUBJECTED TO CONSTRUCTION ACTIVITY WITHIN THE TREE PROTECTION AREA SHOULD BE SELECTIVELY THINNED 10% BY AN ARBORIST SKILLED AT THE SELECTIVE THINNING PROCEDURE. NONE OF THE TREES SHALL BE TOPPED, HEADED BACK, SKINNED (REMOVAL OF THE INTERIOR BRANCHES), OR CLIMBED WITH SPIKES. ALL DEAD WOOD SHOULD BE REMOVED TO AVOID HAZARD.
 - IT IS RECOMMENDED THAT FOLLOWING CONSTRUCTION, TREES BE MAINTAINED IN THEIR NATIVE CONDITION. NO LAWN SHOULD BE PLACED AROUND THE TREES. IT IS RECOMMENDED THAT THE AREA BE MULCHED WITH 2 INCHES OF DECOMPOSED LEAVES AND 2 INCHES OF WOOD CHIPS OR BARK.

DEMOLITION LEGEND	
	BITUMINOUS PAVEMENT REMOVAL
	BUILDING REMOVAL
	INDICATES CONCRETE ITEM OR UTILITY SERVICE TO BE REMOVED
	INDICATES NON-CONCRETE ITEM, STRUCTURE, OR TREE TO BE REMOVED
	TREES TO BE PROTECTED WITH FENCING

- REFERENCE**
- EXISTING CONDITIONS ARE BASED UPON FIELD OBSERVATIONS MADE ON JUNE, 4, 2021 BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
 - FIELD DATUM: ILLINOIS STATE PLANE NAVD83 (2011) NAVD88 (VRS) GEOID18 - U.S. SURVEY FOOT.
 - UNDERGROUND UTILITY INFORMATION SHOWN HEREON IS BASED UPON FIELD OBSERVATIONS, ATLAS MAPS PROVIDED BY THE CITY OF NAPERVILLE AND THOSE PUBLIC UTILITY COMPANIES OPERATING UNDER FRANCHISE OR CONTRACT WITH THE CITY OF NAPERVILLE.

	City of Naperville	LANDSCAPE 10
	STANDARD DETAIL	
TREE PROTECTION		790.10
REVISED 08/01/2018		SHEET 1 OF 1

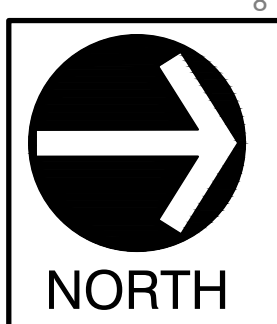


NO.	DATE	DESCRIPTION
1.	10/03/2021	REVISED PER CITY REVIEW DATED 11/03/2021
2.	01/18/2022	NO REVISION THIS SHEET PER CITY REVIEW DATED 03/01/2022

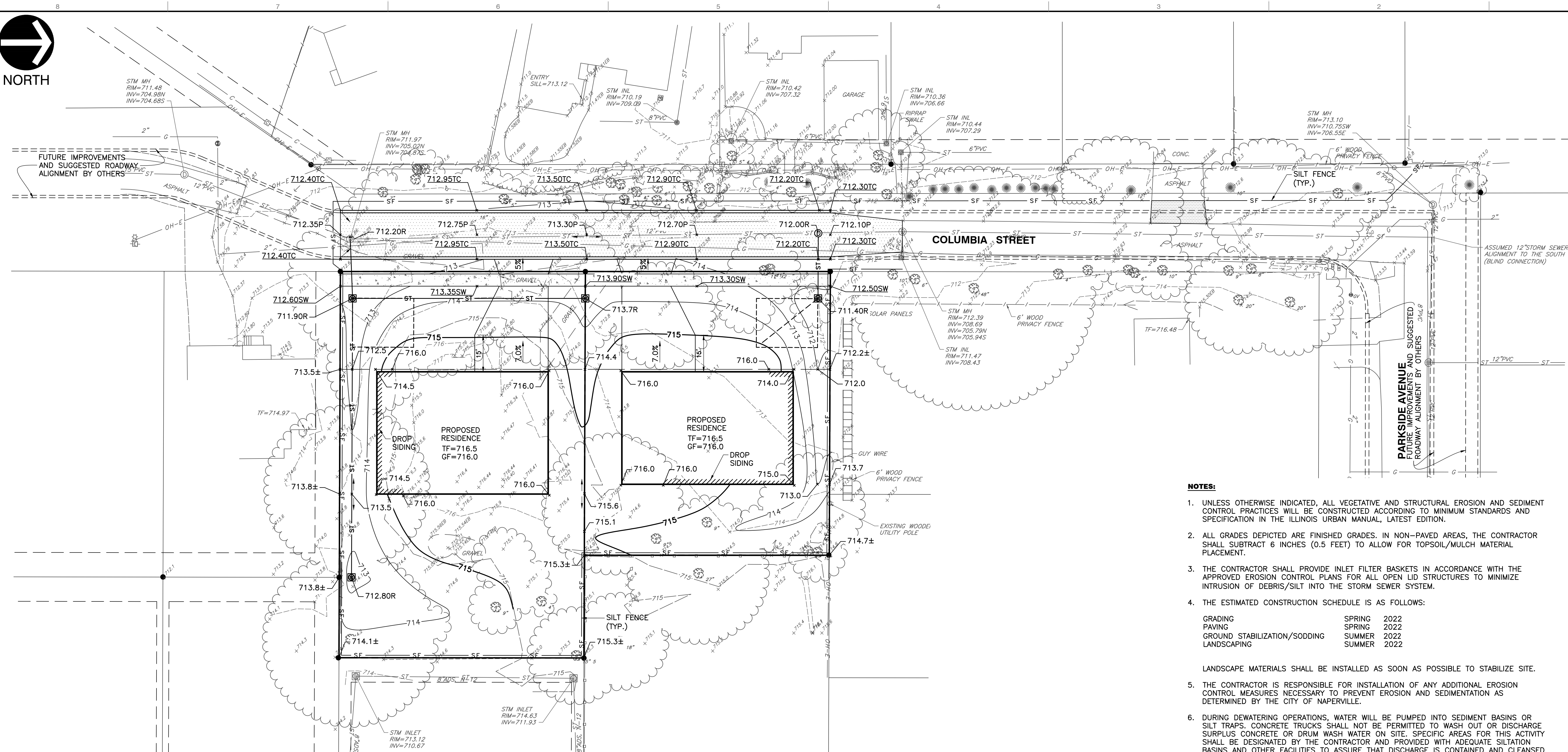
Civil & Environmental Consultants, Inc.
 1230 East Diehl Road, Suite 200 - Naperville, IL 60563
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ROCAS HILL SUBDIVISION
7S345 COLUMBIA STREET
NAPERVILLE, ILLINOIS 60540

DEMOLITION AND SOIL EROSION & SEDIMENTATION CONTROL PLAN	
DATE: 10/12/2021	DRAWN BY: SRH
DWG SCALE: 1" = 20'	CHECKED BY: JGC
PROJECT NO: 312-670-AV00	APPROVED BY: JGC
DRAWING NO: C101	
SHEET 6 OF 12	



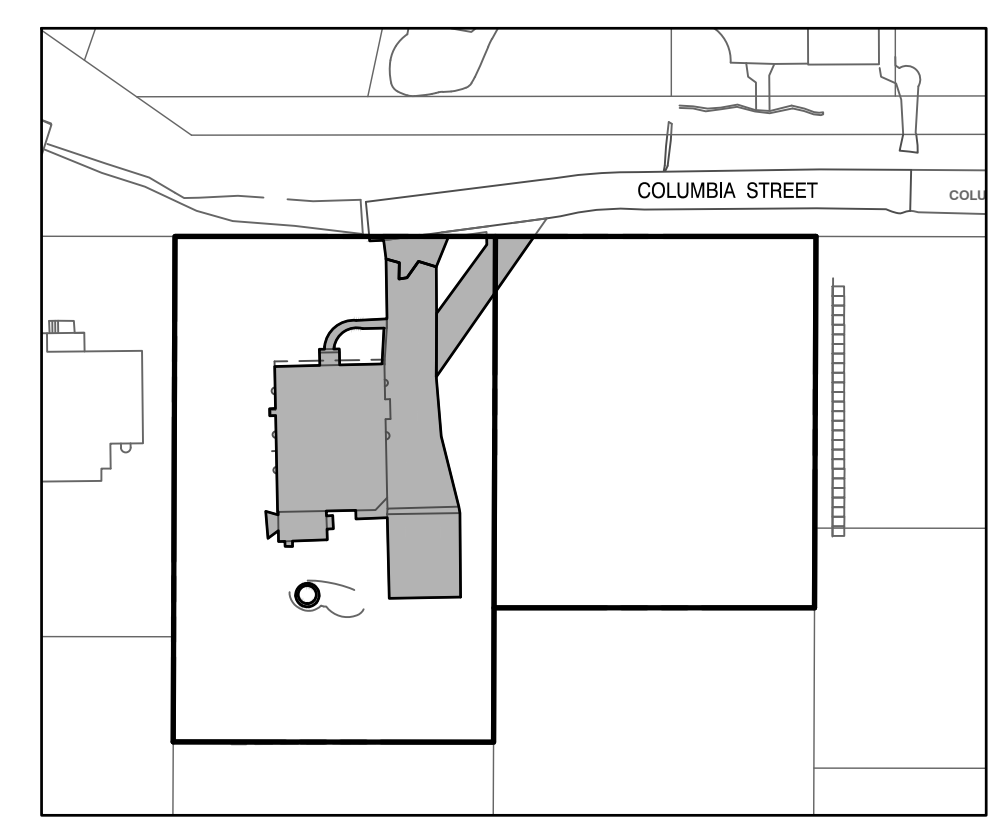
FUTURE IMPROVEMENTS AND SUGGESTED ROADWAY ALIGNMENT BY OTHERS



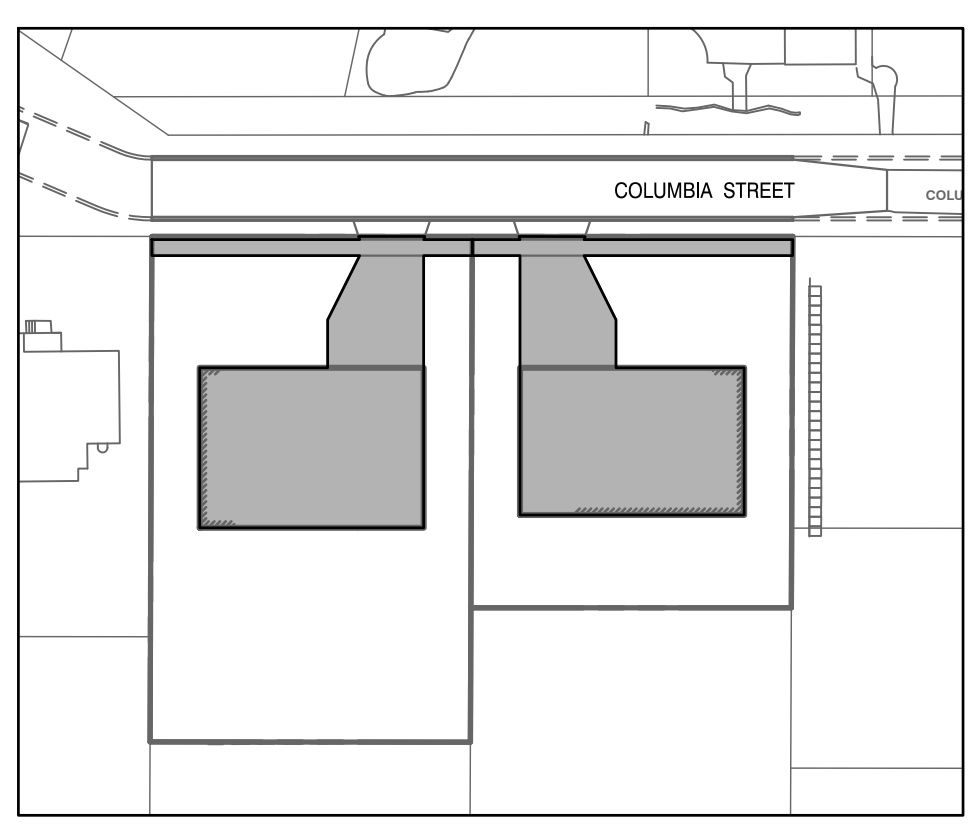
NOTES:

- UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATION IN THE ILLINOIS URBAN MANUAL, LATEST EDITION.
 - ALL GRADES DEPICTED ARE FINISHED GRADES. IN NON-PAVED AREAS, THE CONTRACTOR SHALL SUBTRACT 6 INCHES (0.5 FEET) TO ALLOW FOR TOPSOIL/MULCH MATERIAL PLACEMENT.
 - THE CONTRACTOR SHALL PROVIDE INLET FILTER BASKETS IN ACCORDANCE WITH THE APPROVED EROSION CONTROL PLANS FOR ALL OPEN LID STRUCTURES TO MINIMIZE INTRUSION OF DEBRIS/SILT INTO THE STORM SEWER SYSTEM.
 - THE ESTIMATED CONSTRUCTION SCHEDULE IS AS FOLLOWS:

GRADING	SPRING 2022
PAVING	SPRING 2022
GROUND STABILIZATION/SODDING	SUMMER 2022
LANDSCAPING	SUMMER 2022
 - LANDSCAPE MATERIALS SHALL BE INSTALLED AS SOON AS POSSIBLE TO STABILIZE SITE.
 - THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE CITY OF NAPERVILLE.
 - DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. CONCRETE TRUCKS SHALL NOT BE PERMITTED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON SITE. SPECIFIC AREAS FOR THIS ACTIVITY SHALL BE DESIGNATED BY THE CONTRACTOR AND PROVIDED WITH ADEQUATE SILTATION BASINS AND OTHER FACILITIES TO ASSURE THAT DISCHARGE IS CONTAINED AND CLEANSSED BEFORE ENTERING THE RECEIVING STORM SEWER SYSTEM.
 - ALL ADJACENT STREETS SHOULD BE KEPT CLEAR OF MUD/DEBRIS. THE CONTRACTOR SHALL INSPECT THE STREETS DAILY AND CLEAN THEM AS NECESSARY.
 - STOCKPILES OF SOIL AND OTHER MATERIALS TO REMAIN IN PLACE MORE THAN THREE (3) DAYS SHALL BE FURNISHED WITH EROSION AND SEDIMENT CONTROL MEASURES (I.E. PERIMETER SILT FENCE). STOCK PILES, NOT BEING ACTIVELY WORKED AND TO REMAIN IN PLACE 14 DAYS OR MORE SHALL RECEIVE TEMPORARY SEEDING. STRAW MULCH WITH NETTING OR EROSION CONTROL BLANKET SHALL BE USED ON SIDE SLOPES.
 - IN GENERAL, THE TOP OF WINDOW WELLS SHALL BE CONSTRUCTED NO LOWER THAN 6-INCHES BELOW THE TOP OF FOUNDATION (TF). UNLESS OTHERWISE INDICATED, FINISHED TOPSOIL ELEVATION SHALL BE 6-INCHES BELOW THE TF.
 - PROPOSED SIDEWALK SHALL HAVE CROSS SLOPE OF 1% MINIMUM AND 2% MAXIMUM.
 - A STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSTALLED PRIOR TO HOME CONSTRUCTION COMMENCEMENT.
- IF ANY PORTION OF THE DRIVEWAY WITHIN THE PUBLIC RIGHT OF WAY IS MODIFIED TO ANY OTHER SURFACE OTHER THAN ASPHALT OR STANDARD CONCRETE (I.E. BRICK PAVEMENT, STAMPED CONCRETE), THE BUILDER/HOMEOWNER SHALL SUBMIT AN EXECUTED COPY OF THE CITY'S RIGHT OF WAY COVENANT AGREEMENT PRIOR TO FINAL INSPECTION.
- IT IS ASSUMED THAT THE NEW IMPERVIOUS AREA FOR THE TWO-Lot SUBDIVISION WILL EXCEED THE ALLOWABLE 2,500 SQUARE FEET. THEREFORE "BEST MANAGEMENT PRACTICES (BMP) WILL BE REQUIRED FOR THE DEVELOPMENT. EACH LOT WILL BE RESPONSIBLE FOR CONSTRUCTING THEIR OWN BMP. A 20'x25' AREA HAS BEEN SHOWN ON EACH LOT FOR CONSTRUCTION OF THE BMP.
 - INSPECTION OF THE PRIVATE STORM WATER BEST MANAGEMENT PRACTICE FACILITY MUST BE SCHEDULED WITH THE CITY OF NAPERVILLE BY CALLING (630) 420-6082.
 - DRAINAGE SWALES SHALL HAVE A MINIMUM SLOPE OF 1.5% (2% PREFERRED).



EXISTING PERVIOUS/IMPERVIOUS CONDITIONS
1"=80'



PROPOSED PERVIOUS/IMPERVIOUS CONDITIONS
1"=80'

PERVIOUS/IMPERVIOUS CALCULATIONS:			
	IMPERVIOUS AREA	PERVIOUS AREA	PROJECT AREA
EXISTING	4,604 S.F.	22,823 S.F.	27,427 S.F.
PROPOSED (ASSUMED)	9,664 S.F.	17,763 S.F.	27,427 S.F.
NET INCREASE	5,060 S.F.		

SEE NOTE 12

- REFERENCE**
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REVISION RECORD

NO.	DATE	DESCRIPTION
1	10/12/2021	REVISED PER CITY REVIEW DATED 10/08/2021
2	10/12/2021	REVISED PER CITY REVIEW DATED 10/08/2021

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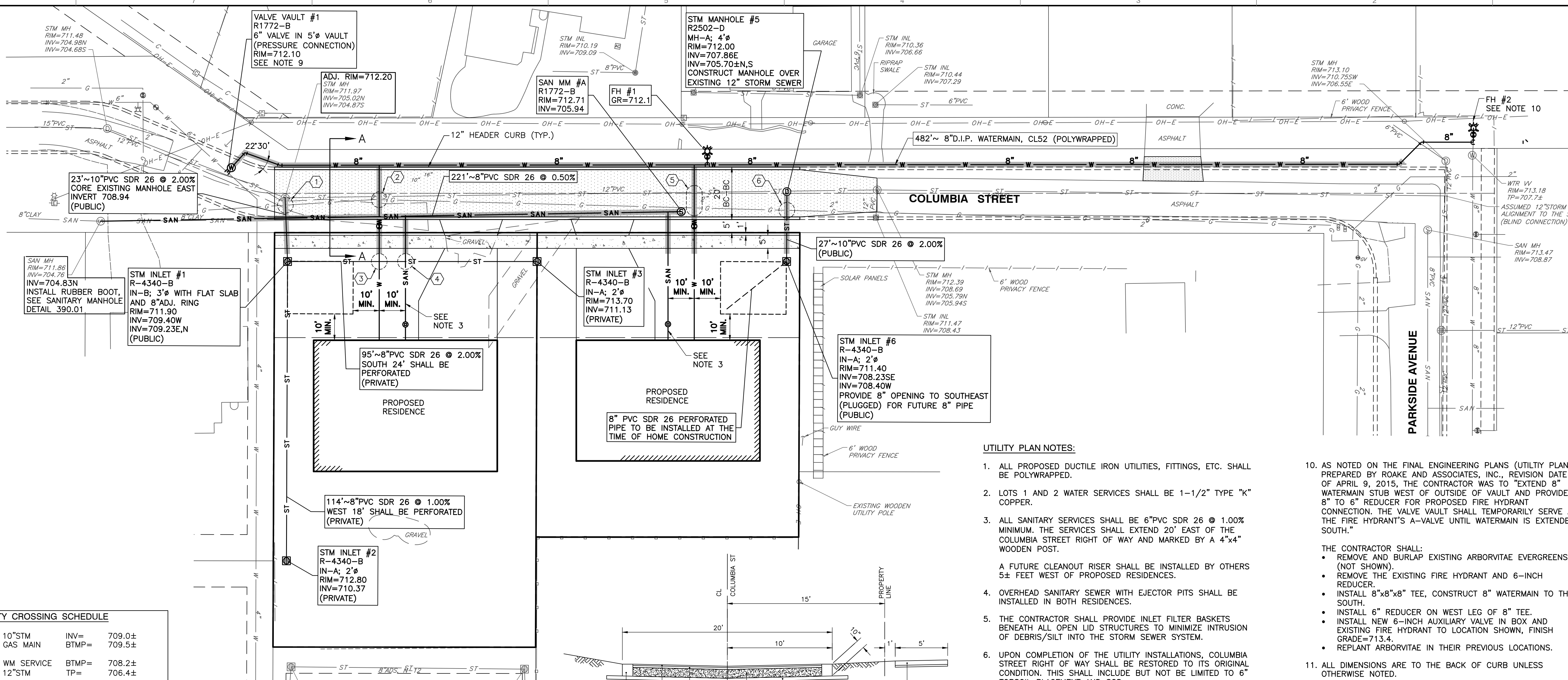
SITE GRADING PLAN

DATE: 10/12/2021 | DRAWN BY: SRH | JGC
DWG SCALE: 1" = 20' | CHECKED BY: JGC | 312-670-AW00
PROJECT NO.: 312-670-AW00
APPROVED BY: JGC

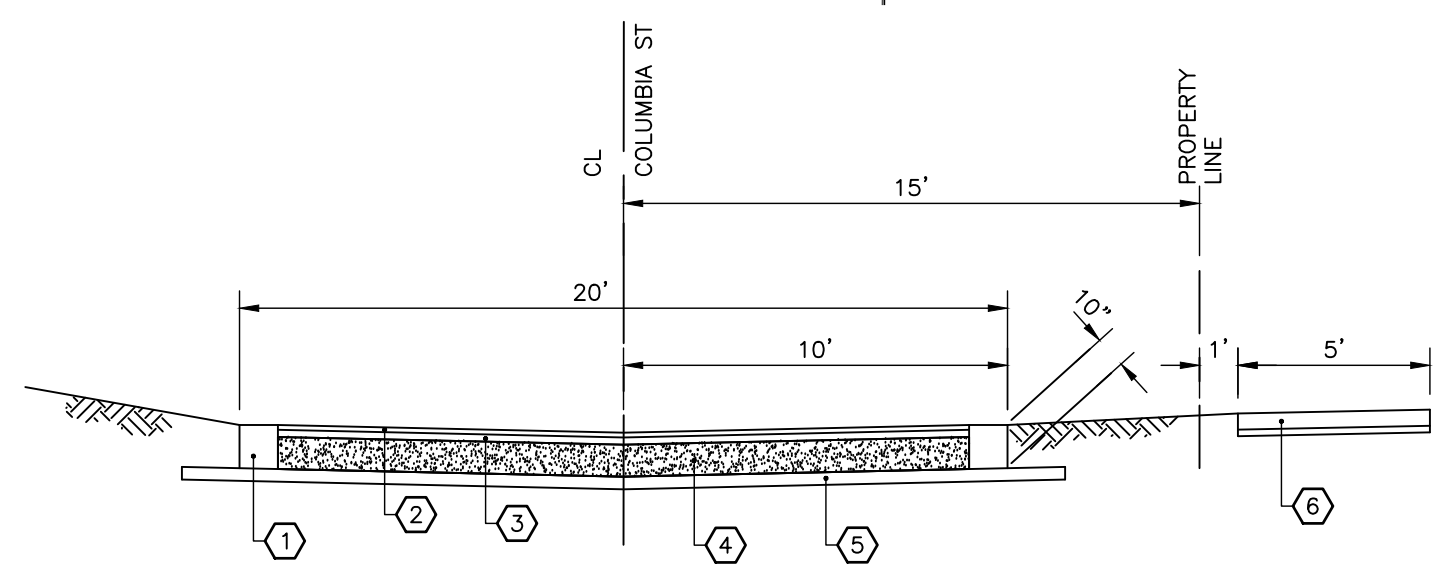
DRAWING NO.: **C300**

SHEET 7 OF 12

A:\170-200\175-670\175-670\175-670-019-C300-000\175-670-019-C300-000.dwg (3/30) | LST/1/19/2022 - 11:40 AM



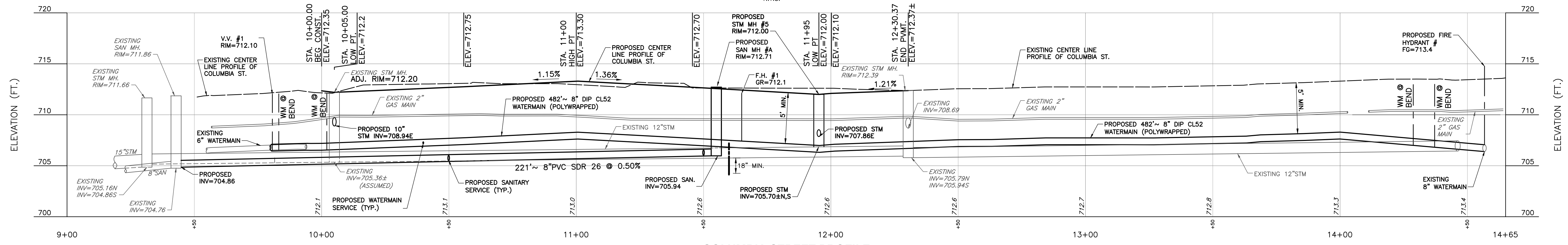
UTILITY CROSSING SCHEDULE			
CROSSING #1	10" STM	INV= 709.0±	
	GAS MAIN	BTMP= 709.5±	
CROSSING #2	WM SERVICE	BTMP= 708.2±	
	12" STM	TP= 706.4±	
CROSSING #3	8" STM	INV= 709.9±	
	WM SERVICE	TP= 707.3±	
CROSSING #4	8" STM	INV= 710.1±	
	SAN. SERVICE	TP= 706.5±	
CROSSING #5	GAS MAIN	BTMP= 709.5±	
	12" STM	INV= 705.8±	
	WM SERVICE	TP= 704.3±	
CROSSING #6	GAS MAIN	BTMP= 709.4±	
	10" STM	INV= 708.0±	



COLUMBIA STREET TYPICAL PAVMENT SECTION
SECTION A-A
N.T.S.

UTILITY PLAN NOTES:

- ALL PROPOSED DUCTILE IRON UTILITIES, FITTINGS, ETC. SHALL BE POLYWRAPPED.
- LOTS 1 AND 2 WATER SERVICES SHALL BE 1-1/2" TYPE "K" COPPER.
- ALL SANITARY SERVICES SHALL BE 6" PVC SDR 26 @ 1.00% MINIMUM. THE SERVICES SHALL EXTEND 20' EAST OF THE COLUMBIA STREET RIGHT OF WAY AND MARKED BY A 4"x4" WOODEN POST.
A FUTURE CLEANOUT RISER SHALL BE INSTALLED BY OTHERS 5± FEET WEST OF PROPOSED RESIDENCES.
- OVERHEAD SANITARY SEWER WITH EJECTOR PITS SHALL BE INSTALLED IN BOTH RESIDENCES.
- THE CONTRACTOR SHALL PROVIDE INLET FILTER BASKETS BENEATH ALL OPEN LID STRUCTURES TO MINIMIZE INTRUSION OF DEBRIS/SILT INTO THE STORM SEWER SYSTEM.
- UPON COMPLETION OF THE UTILITY INSTALLATIONS, COLUMBIA STREET RIGHT OF WAY SHALL BE RESTORED TO ITS ORIGINAL CONDITION. THIS SHALL INCLUDE BUT NOT BE LIMITED TO 6" TOPSOIL PLACEMENT AND SOD.
- ALL PROPOSED UTILITY CROSSINGS WITH EXISTING UTILITIES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION.
- ALL BENDS SHALL BE PROVIDED WITH "MEGA-LUG" TYPE FLANGES AND SHALL HAVE PROPER BLOCKAGE.
- THE CONTRACTOR SHALL VERIFY THE LOCATION AND SIZE (ASSUMED 6-INCH) OF THE EXISTING WATERMAIN PRIOR TO DELIVERY OF THE TAPPING VALVE AND VAULT. THE VALVE AND VAULT SHALL BE LOCATED AS NOT TO INTERFERE WITH THE EXISTING STORM SEWER OR ITS MAINTENANCE.
- AS NOTED ON THE FINAL ENGINEERING PLANS (UTILITY PLAN) PREPARED BY ROAKE AND ASSOCIATES, INC., REVISION DATE OF APRIL 9, 2015, THE CONTRACTOR WAS TO "EXTEND 8" WATERMAIN STUB WEST OF OUTSIDE OF VAULT AND PROVIDE 8" TO 6" REDUCER FOR PROPOSED FIRE HYDRANT CONNECTION. THE VALVE VAULT SHALL TEMPORARILY SERVE AS THE FIRE HYDRANT'S A-VALVE UNTIL WATERMAIN IS EXTENDED SOUTH."
- THE CONTRACTOR SHALL:
 - REMOVE AND BURLAP EXISTING ARBORVITAE EVERGREENS (NOT SHOWN).
 - REMOVE THE EXISTING FIRE HYDRANT AND 6-INCH REDUCER.
 - INSTALL 8"x8"x8" TEE, CONSTRUCT 8" WATERMAIN TO THE SOUTH.
 - INSTALL 6" REDUCER ON WEST LEG OF 8" TEE.
 - INSTALL NEW 6-INCH AUXILIARY VALVE IN BOX AND EXISTING FIRE HYDRANT TO LOCATION SHOWN, FINISH GRADE=713.4.
 - REPLANT ARBORVITAE IN THEIR PREVIOUS LOCATIONS.
- ALL DIMENSIONS ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
- A PUBLIC STORM SEWER INSPECTION MUST BE SCHEDULED WITH THE CITY OF NAPERVILLE BY CALLING (630) 420-6082.



COLUMBIA STREET PROFILE
SCALE H:1"=20'; V:1"=5'

- REFERENCE
- EXISTING CONDITIONS ARE BASED UPON FIELD OBSERVATIONS MADE ON JUNE, 4, 2021 BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
 - FIELD DATUM: ILLINOIS STATE PLANE NAVD83 (2011) NAVD88 (VRS) GEOID18 - U.S. SURVEY FOOT.
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REVISION RECORD

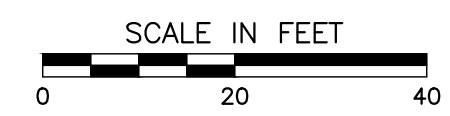
NO.	DATE	DESCRIPTION
1	10/03/2021	REVISED PER CITY REVIEW DATED 11/09/2021
2	01/18/2022	NO REVISION THIS SHEET PER CITY REVIEW DATED 03/21/2022

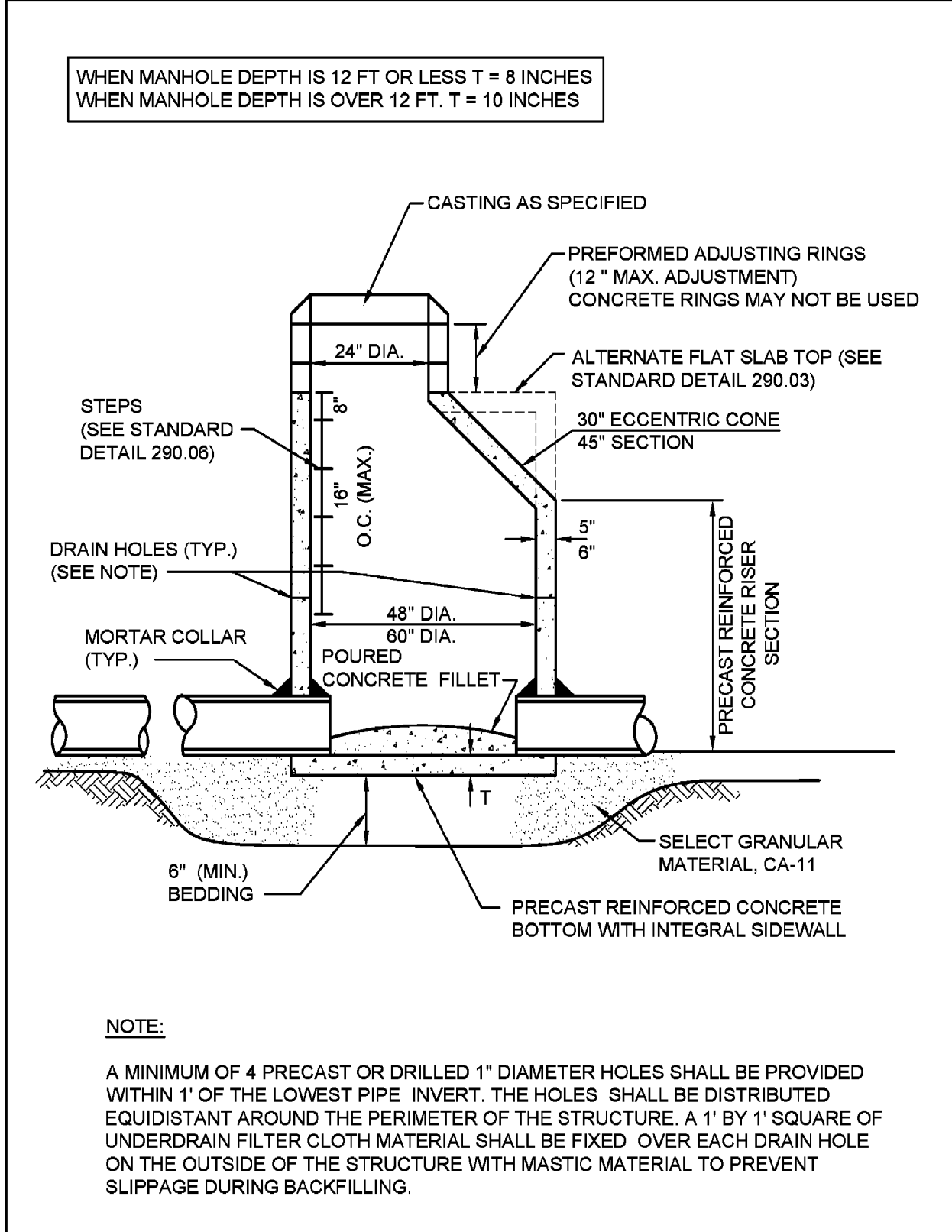
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1230 East Diehl Road, Suite 200 - Naperville, IL 60563
630-963-6026 - 877-963-6026
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**NIMISHA & ANTHONY PAVONE
SANDHYA & PRADIP SHAH
ROCAS HILL SUBDIVISION
7S345 COLUMBIA STREET
NAPERVILLE, ILLINOIS 60540**

SITE UTILITY PLAN & COLUMBIA ST PROFILE

DATE: 10/12/2021 | DRAWN BY: SRH
DWG SCALE: 1" = 20' | CHECKED BY: JGC
PROJECT NO: 312-670-AW00
APPROVED BY: JGC





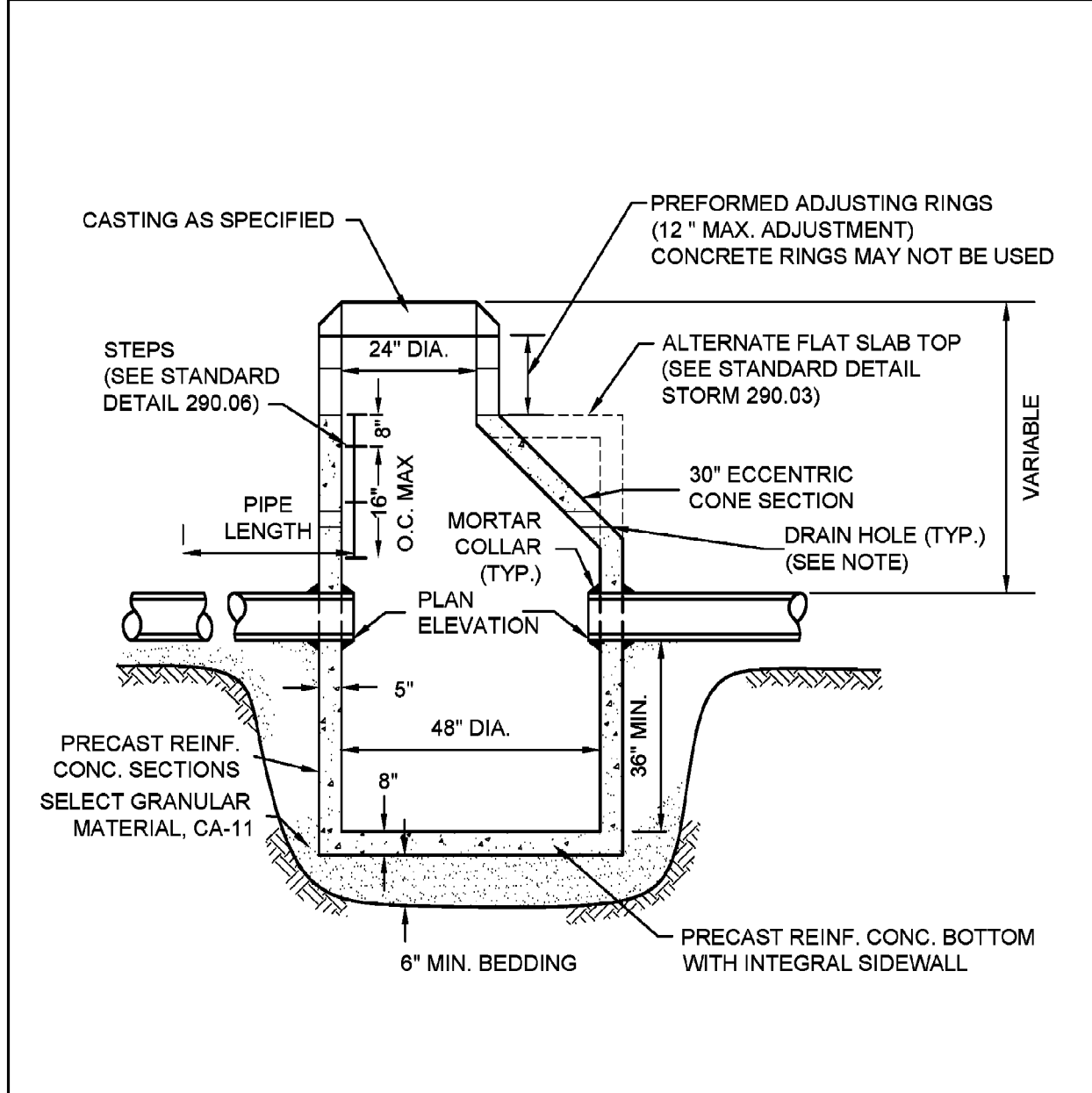
City of Naperville
STANDARD
DETAIL

STORM MANHOLE - TYPE A

REVISOR: 08/01/2018 SHEET 1 OF 1

STORM 1

290.01



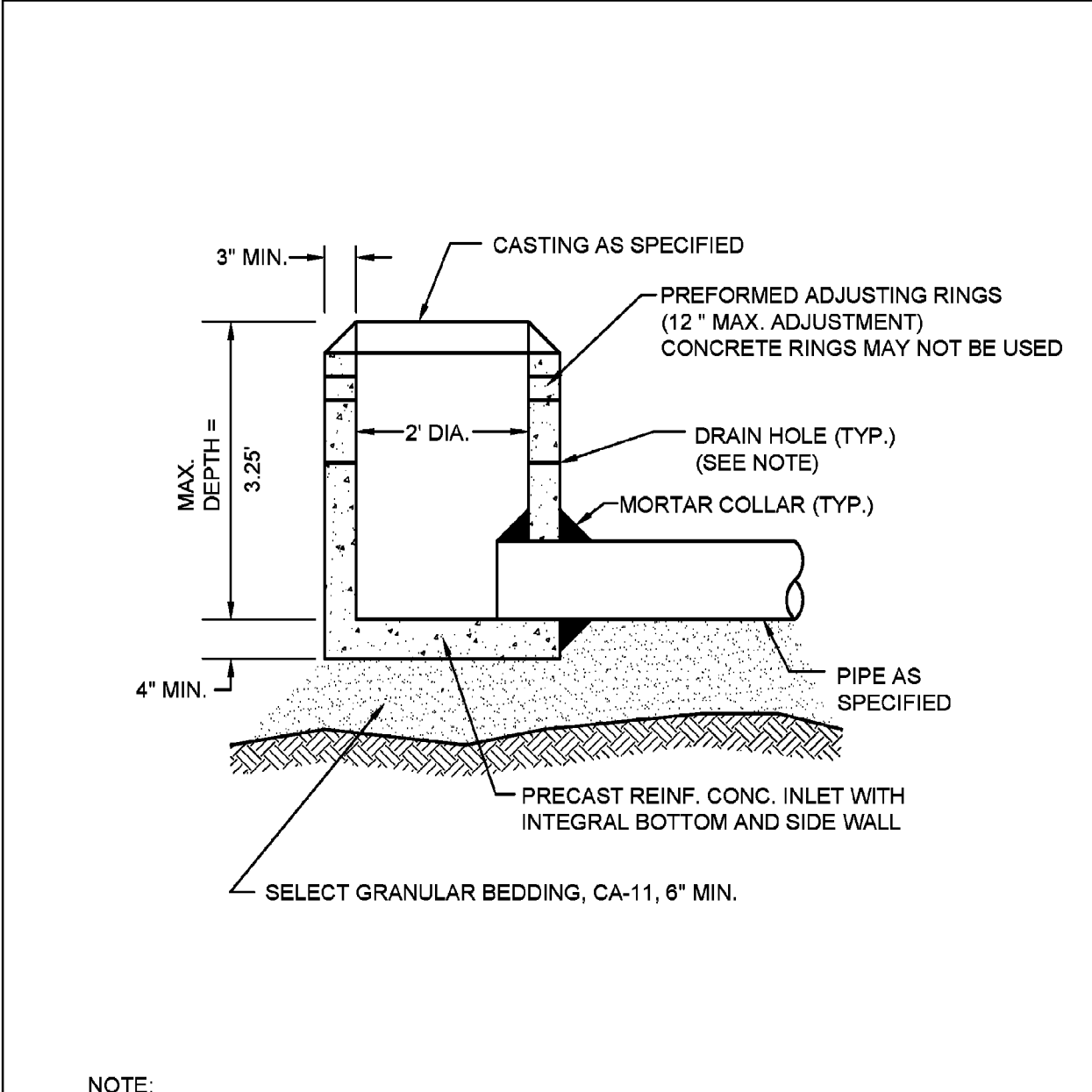
City of Naperville
STANDARD
DETAIL

CATCH BASIN - TYPE A

REVISOR: 08/01/2018 SHEET 1 OF 1

STORM 2

290.02



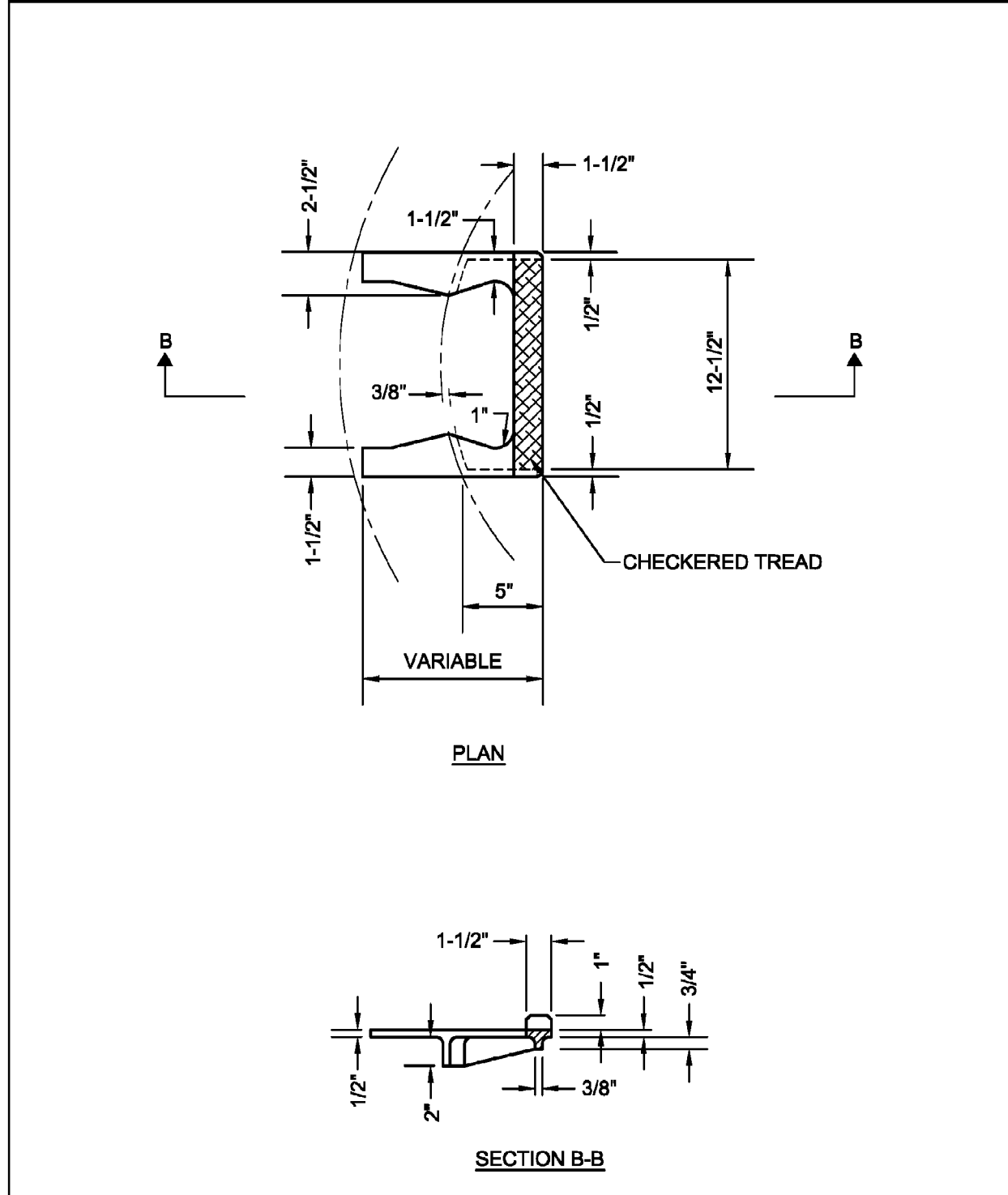
City of Naperville
STANDARD
DETAIL

INLET - TYPE A

REVISOR: 08/01/2018 SHEET 1 OF 1

STORM 5

290.05



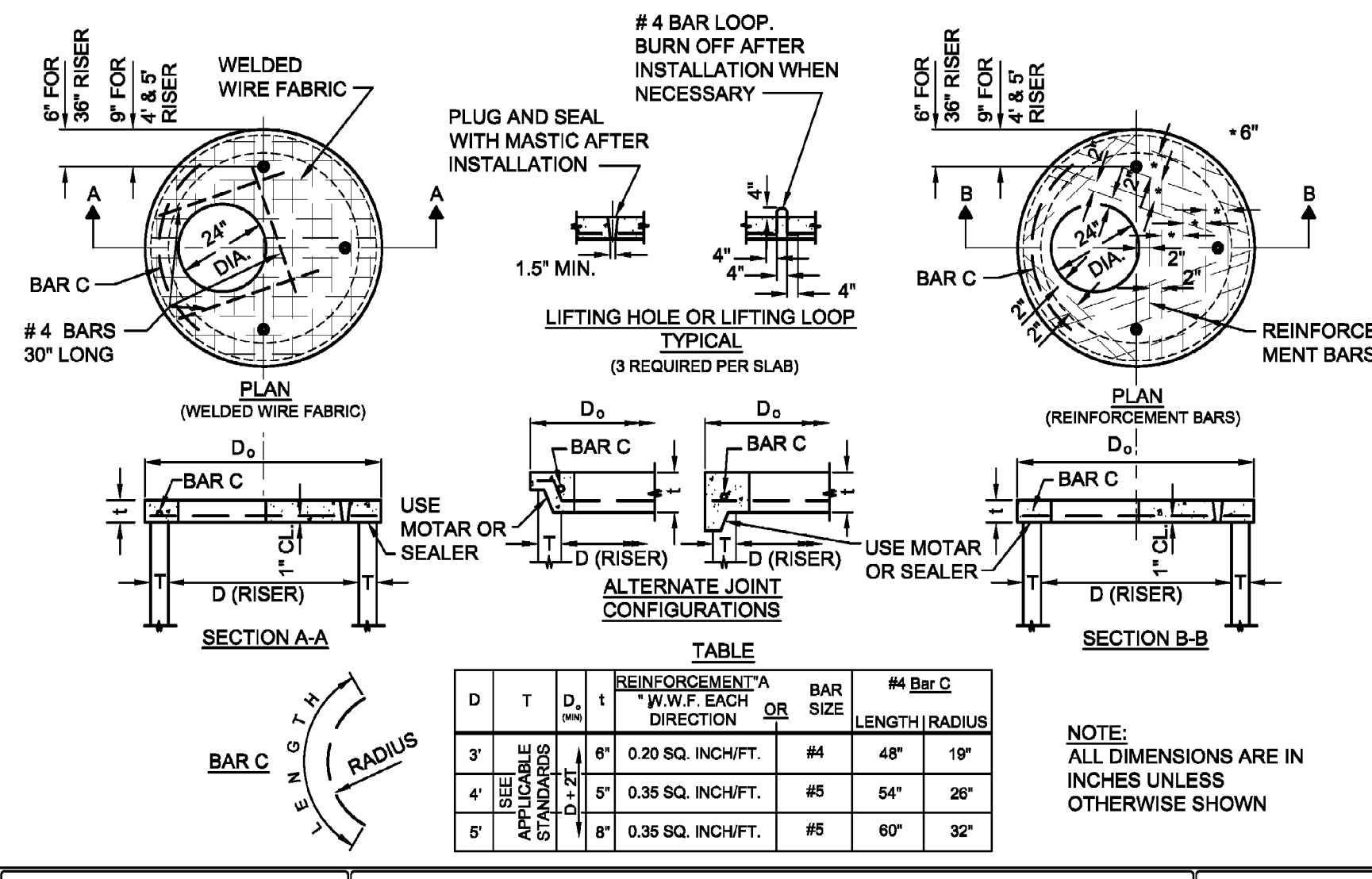
City of Naperville
STANDARD
DETAIL

CAST IRON STEPS

REVISOR: 01/01/2013 SHEET 1 OF 1

STORM 6

290.06



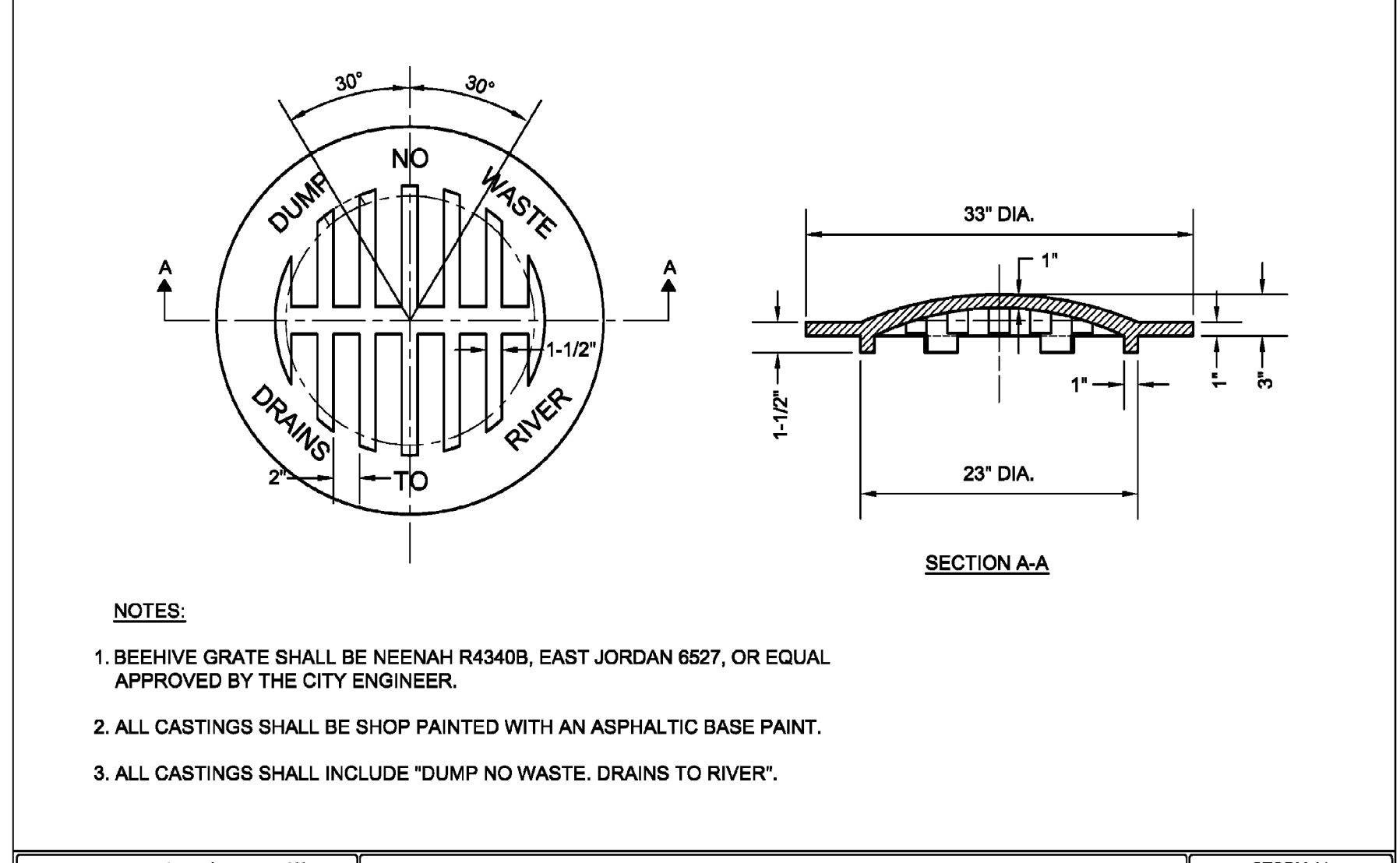
City of Naperville
STANDARD
DETAIL

FLAT SLAB TOP PRECAST REINFORCED CONCRETE

REVISOR: 01/01/2013 SHEET 1 OF 1

STORM 3

290.03



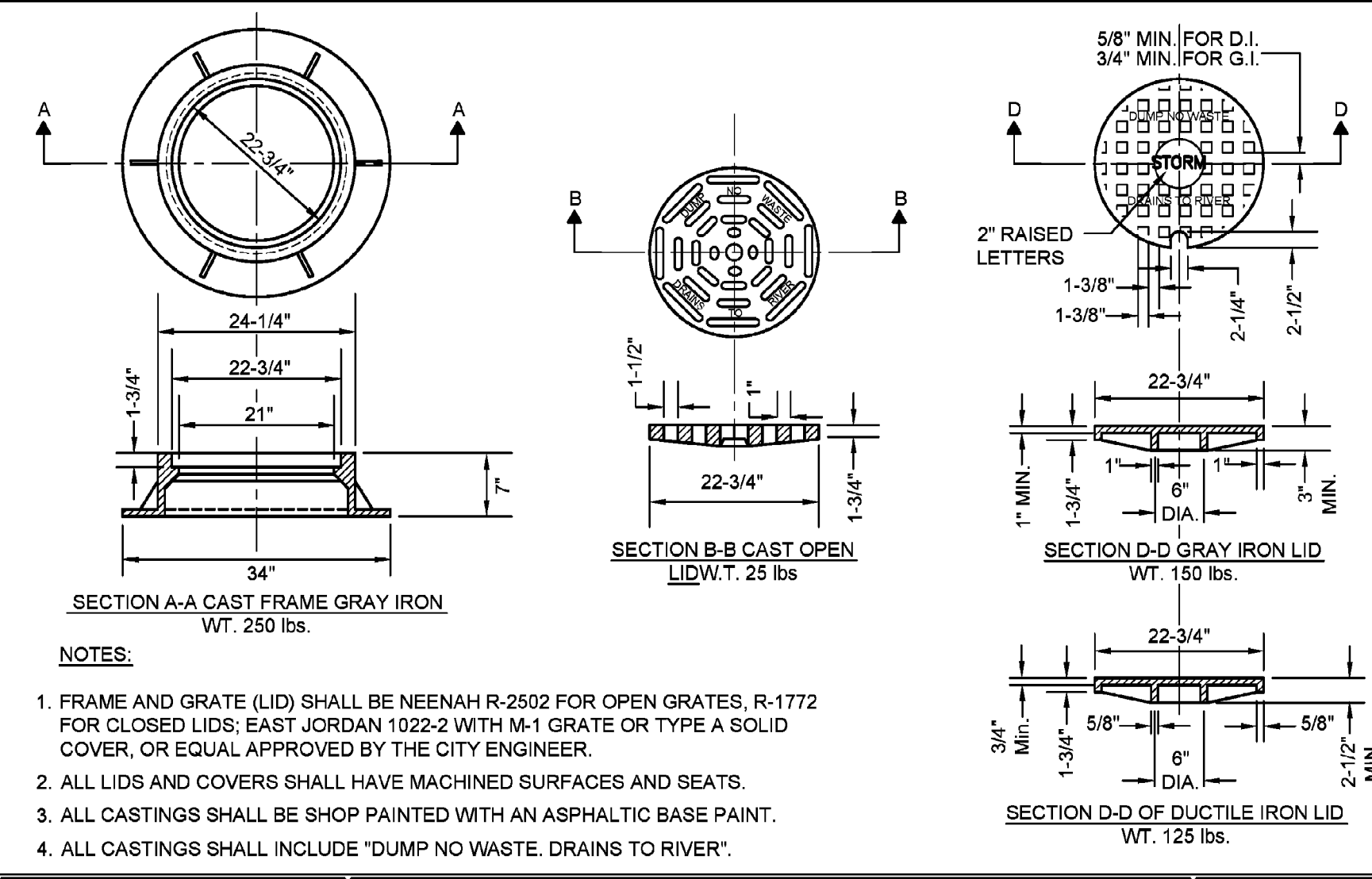
City of Naperville
STANDARD
DETAIL

BEEHIVE GRATE

REVISOR: 05/15/2015 SHEET 1 OF 1

STORM 14

290.14



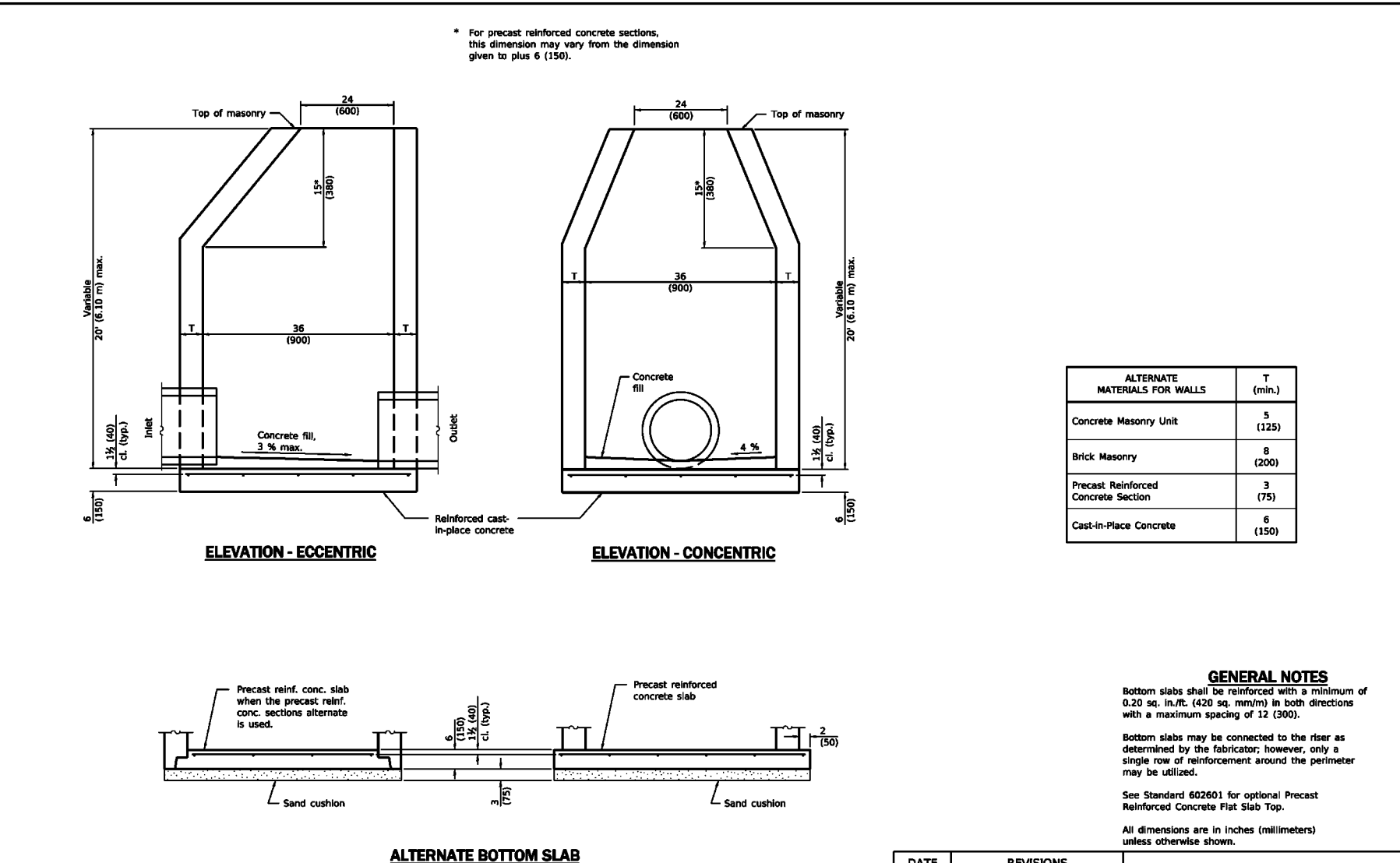
City of Naperville
STANDARD
DETAIL

FRAME & LID OR GRATE

REVISOR: 05/15/2015 SHEET 1 OF 1

STORM 10

290.10



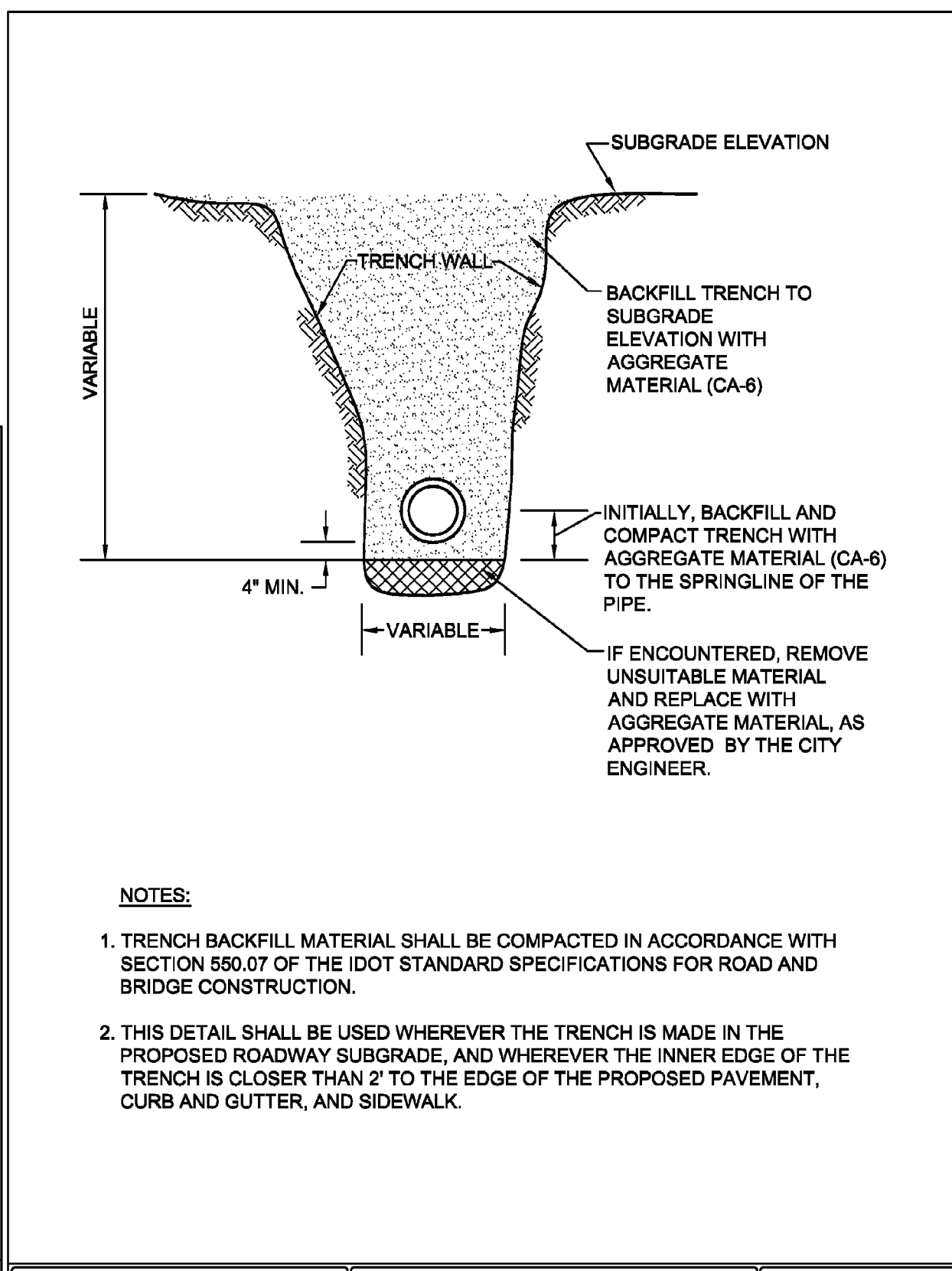
City of Naperville
STANDARD
DETAIL

STORM SEWER TRENCH SECTION IN PAVED AREAS

REVISOR: 01/01/2013 SHEET 1 OF 1

STORM 20

290.20



City of Naperville
STANDARD
DETAIL

STORM SEWER TRENCH SECTION IN NON-PAVED AREAS

REVISOR: 01/01/2013 SHEET 1 OF 1

STORM 21

290.21

REVISION RECORD

NO.	DATE	DESCRIPTION
1.	10/03/2021	NO REVISION THIS SHEET PREVIOUSLY REVISION DATED 11/08/2021
2.	01/10/2023	NO REVISION THIS SHEET PREVIOUSLY REVISION DATED 10/10/2021

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7S345 COLUMBIA STREET
NAPERVILLE, ILLINOIS 60540

DETAILS - 1

DATE:	DWG SCALE:	PROJECT NO.:	APPROVED BY:
10/12/2021	NONE	312-670-AW00	JGC
DRAWN BY:	CHECKED BY:		JGC
SRH	NONE		JGC

PREFORMED NON-HARDENING BITUMINOUS MASTIC MATERIAL, CONSEAL CS-102B, OR APPROVED EQUAL BETWEEN BOTTOM RING AND STRUCTURE

TOP OF CASTING SEE DETAIL 490.04

FINISHED GRADE

PREFORMED ADJUSTING RINGS PER SECTION 403.B.1 OF THE STANDARD SPEC. (12" MAX. ADJUSTMENT)

APPLY A CONTINUOUS LAYER OF NON-HARDENING, PREFORMED BUTYL MASTIC MATERIAL, CS-102B TO EACH JOINT.

TAPPING VALVE TO BE CENTERED WITH VAULT OPENING

DOG HOUSE TYPE BARREL SECTION

RETAINER GLAND SEE NOTE 2

BOOT

CA-11 BEDDING

PRECAST CONCRETE

CA-11 BEDDING

SOLID PRECAST CONC. BLOCK OR CAST IN PLACE CONCRETE SUPPORT

- USE MEGALUG SERIES 1100 OR FORD UNI-FLANGE SERIES 1400 RETAINER GLANDS WITH STAINLESS STEEL T-BOLTS COATED WITH ANTI-SEIZE COMPOUND.
- TAPPING SLEEVES SHALL BE HEAVY DUTY STAINLESS STEEL WITH STAINLESS STEEL BOLTS AND NUTS (ROMAC INDUSTRIES SST III, CASCADE CST-EX, FORD FTSS).
- EXISTING PIPE TO BE DISINFECTED PRIOR TO INSTALLATION OF TAPPING SLEEVE AND TAPPING SLEEVE IS TO BE PRESSURE TESTED TO OPERATING PRESSURE PLUS 50 PERCENT PRIOR TO MAKING PRESSURE CONNECTION.
- DO NOT USE STAINLESS STEEL SLEEVE ON SIZE ON SIZE TAPS OR PIPES LARGER THAN 12" DIAMETER.
- IN THE EVENT IT IS NECESSARY TO USE A PRECAST SPLIT BOTTOM FLOOR DUE TO SPACE CONSTRAINTS THE FLOOR MUST BE GROUTED WATER TIGHT.
- TAPPING VALVES SHALL CONFORM TO C515-09; AMERICAN SERIES 2500 RESILIENT WEDGE TAPPING VALVES WITH FLANGED X MECHANICAL JOINT ENDS OR APPROVED EQUAL.

City of Naperville
STANDARD DETAIL
VALVE VAULT WITH STAINLESS STEEL SLEEVE PRESSURE TAP
REVISOR: 01/01/2013 SHEET 1 OF 1
490.03

CAST FRAME

CAST CLOSED LID

2" RAISED LETTERS

SEAL TITE LID

SEAL TITE CONCEALED PICK HOLE

SECTION A-A

SECTION D-D

NOTES:

- DUCTILE IRON SHALL BE GRADE 65-45-12 AND SHALL BE TESTED IN ACCORDANCE WITH FEDERAL SPECIFICATIONS.
- ALL FRAMES AND COVERS SHALL HAVE MACHINED HORIZONTAL AND VERTICAL BEARING SURFACES. PICK HOLES SHALL NOT CREATE OPENINGS IN THE COVER.
- THE MANHOLE COVERS SHALL HAVE RAISED LETTERS AS SHOWN.
- ALTERNATIVE TO DUCTILE IRON LID, GREY IRON CL 35 LID MAY BE USED.
- DIMENSIONS FOR CASTINGS ARE COMPARABLE TO EAST JORDAN 1022 OR NEENAH R-1772-C, HEAVY DUTY.
- LIDS AND FRAMES TO MEET AASHTO M308 PROOF LOADING SPECIFICATIONS.

City of Naperville
STANDARD DETAIL
VALVE VAULT - FRAME & COVER
REVISOR: 01/01/2013 SHEET 1 OF 1
490.04

NOTES:

- CHAIN AND CHAIN HOOKS SHALL BE REMOVED FROM HYDRANT
- HYDRANT SHALL BE FACTORY PAINTED WITH 2 COATS OF TNEC VERSATONE 62 HS (OR APPROVED EQUAL) SAFETY ORANGE
- ALL FASTENERS/HARDWARE BELOW GRADE SHALL BE STAINLESS STEEL (GRADE 304 MIN.)

PERMITTED TYPES:

- WATEROUS PACER WB-67 5-1/4"
- CLOW MEDALLION 5-1/4"
- MUELLER A-423 5-1/4"

5" MINIMUM SETBACK FROM CURB FROM EDGE OF DRIVEWAY

1" MIN. SETBACK FROM EDGE OF WALKS

FINISHED GRADE

18"

18" - 24"

BREAKAWAY FLANGE TO BE APPROX. 2" ABOVE GROUND LEVEL

6" D.I.P.

POLYETHYLENE ENCASE PIPE

UNDISTURBED EARTH

5" MINIMUM COVER

PROVIDE 6" CAST IRON AUXILIARY VALVE & VALVE BOX (SEE STANDARD WATER 3)

CRUSHED STONE OR COARSE GRAVEL, MINIMUM 1/2 CU. YD. CA-11

MEGALUG 1100 SERIES OR FORD BLOCKBUSTER 1400, WITH 304 S.S T-BOLTS & ANTI-SEIZE COMPOUND.

CONCRETE BLOCKS AT BOTTOM BACK AND BOTH SIDES TO HOLD HYDRANT SOLID AND VERTICAL. CONCRETE AND POLYETHYLENE ENCASEMENT SHOULD NOT BLOCK DRAIN HOLES

City of Naperville
STANDARD DETAIL
HYDRANT
REVISOR: 06/19/2015 SHEET 1 OF 1
490.06

FINISHED GRADE

ACTUAL TRENCH WALL

BACKFILL WITH EXCAVATED MATERIAL EXCEPT WHERE GRANULAR MATERIAL IS REQUIRED (CA-6)

ANGLE OF REPOSE AS CALCULATED BY OSHA FOR SLOPING EXCAVATIONS IN VARIOUS TYPES OF SOIL (AVG. SOIL 1:1 SLOPE). NOTE THAT PORTABLE TRENCH BOXES OR SLIDING TRENCH SHIELDS MAY BE USED IN LIEU OF SLOPING.

PROVIDE UNIFORM PIPE SUPPORT

MIN 4" CA-11 BEDDING TO PROVIDE PIPE SUPPORT

IF ENCOUNTERED, REMOVE UNSUITABLE MATERIAL AND REPLACE WITH GRANULAR MATERIAL AS DIRECTED BY THE CITY ENGINEER.

TRENCH WIDTH SHALL BE AS SPECIFIED IN PLANS

NOTES:

- IN PAVED AREAS ALL TRENCHES SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 550.07 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. METHOD 1. 95% MINIMUM STANDARD PROCTOR.
- DUCTILE IRON WATER MAIN TO BE CLASS 52. ALL DUCTILE IRON PIPE IS TO BE ENCASED IN POLYETHYLENE FILM. POLYETHYLENE ENCASEMENT TO BE INSTALLED IN ACCORDANCE WITH AWWAC105A21.5-99 (OR LATEST EDITION)
- STAINLESS STEEL NUTS, BOLTS/T-BOLTS, AND WASHERS, TYPE 304 OR BETTER, WILL BE REQUIRED ON ALL WATER MAIN INSTALLATIONS. THIS WOULD APPLY TO HYDRANTS, TAPPING SLEEVES, VALVES, FITTINGS, RESTRAINT AND OTHER APPURTENANCES BURIED OR IN VALVE VAULTS. MECHANICAL JOINTS AND RESTRAINT GLANDS REQUIRE 304 STAINLESS STEEL T-BOLTS. AN ANTI-SEIZE COMPOUND SHALL BE FACTORY APPLIED TO NUTS OR BOLTS - ANY DAMAGE TO THIS COATING SHALL BE REPAIRED WITH FIELD-APPLIED, APPROVED ANTI-SEIZE COMPOUND THAT IS A MOLYBDENUM-BASE LUBRICANT, BOSTIK NEVER-SEZ OR APPROVED EQUAL.

City of Naperville
STANDARD DETAIL
WATER MAIN TRENCH SECTION
REVISOR: 01/01/2013 SHEET 1 OF 1
490.10

UNDISTURBED TRENCH WALL

POURED CONCRETE THRUST BLOCK

- THRUST BLOCKING TO PREVENT MOVEMENT OF LINES UNDER PRESSURE AT BENDS, TEES, CAPS, VALVES, HYDRANTS, & AT POINTS SPECIFIED BY THE ENGINEER SHALL BE CLASS "B".
- CONCRETE A MINIMUM OF 12" THICK, PLACED BETWEEN SOLID GROUND & THE FITTING, AND SHALL BE ANCHORED IN SUCH A MANNER THAT THE PIPE AND FITTING WILL BE ACCESSIBLE FOR REPAIRS.
- THRUST BLOCKS SHALL BE PLACED AT BENDS OF 11-1/4" OR MORE.
- PIPE BENDS TO BE POLYETHYLENE ENCASED.
- JOINT RESTRAINT AT BEND AND LENGTH OF PIPE EACH DIRECTION FROM BENDS AS REQUIRED BY THE CITY OF NAPERVILLE IF UNDISTURBED SOIL NOT AVAILABLE.
- THRUST BLOCK FOR PIPES LARGER THAN 12" MUST BE POURED IN PLACE

City of Naperville
STANDARD DETAIL
THRUST BLOCK
REVISOR: 06/19/2015 SHEET 1 OF 1
490.11

WATER MAIN

SEWER

PERPENDICULAR CROSSING

DIAGONAL CROSSING

FINISH GRADE

EXISTING STORM SEWER LINE

NEW WATER MAIN

STORM SEWER TO BE REMOVED AND REPLACED WITH AN "O" RING GASKET IN ACCORDANCE WITH ASTM C-361 OR C-443, OR GASKET PVC IF ALLOWED

NOTE:
NEW STORM SEWER INSTALLATION SHALL BE GASKETED STRUCTURE TO STRUCTURE

City of Naperville
STANDARD DETAIL
WATER MAIN PROTECTION FROM EXISTING STORM SEWER PIPE
REVISOR: 01/01/2013 SHEET 1 OF 1
490.14

CUT A SECTION OF POLYETHYLENE TUBE APPROXIMATELY TWO FEET LONGER THAN THE PIPE SECTION. REMOVE ALL LUMPS OF CLAY, MUD, CINDERS, OR OTHER MATERIAL THAT MIGHT HAVE ACCUMULATED ON THE PIPE SURFACE DURING STORAGE. SLIP THE POLYETHYLENE TUBE AROUND THE PIPE, STARTING AT THE SPIGOT END. BUNCH THE TUBE ACCORDION-FASHION ON THE END OF THE PIPE. PULL BACK THE OVER-HANGING END OF THE TUBE UNTIL IT CLEARS THE PIPE END.

MAKE THE OVERLAP OF THE POLYETHYLENE TUBE BY PULLING BACK THE BUNCHED POLYETHYLENE FROM THE PRECEDING LENGTH OF PIPE AND SECURING IT IN PLACE. NOTE: THE POLYETHYLENE MAY BE SECURED IN PLACE BY USING TAPE, STRING, PLASTIC TIE STRAPS, OR ANY OTHER MATERIAL CAPABLE OF HOLDING THE POLYETHYLENE ENCASEMENT SNUGLY AGAINST THE PIPE.

TAKE UP SLACK IN THE TUBE ALONG THE BARREL OF THE PIPE TO MAKE A SNUG, BUT NOT TIGHT, FIT. FOLD EXCESS POLYETHYLENE BACK OVER THE TOP OF THE PIPE.

REPAIR ALL SMALL RIPS, TEARS OR OTHER TUBE DAMAGE WITH MANUFACTURER APPROVED ADHESIVE TAPE.

- COVER BENDS, REDUCERS AND OTHER PIPE-SHAPED APPURTENANCES WITH POLYETHYLENE IN THE SAME MANNER AS THE PIPE.
- WRAP VALVES, TEES AND OTHER ODD-SHAPED APPURTENANCES WITH A FLAT SHEET OR SPLIT LENGTH OF POLYETHYLENE TUBE BY PASSING THE SHEET UNDER THE APPURTENANCES AND BRINGING IT UP AROUND THE BODY. MAKE SEAMS BY BRINGING THE EDGES OF THE POLYETHYLENE SHEET TOGETHER, FOLDING OVER TWICE, AND TAPING DOWN.
- POLYETHYLENE ENCASEMENT TO BE IN ACCORDANCE WITH A.W.W.A. C105-99OR LATEST VERSION.
- COPPER SERVICE TAPS ARE TO BE WRAPPED WITH POLYETHYLENE OR A SUITABLE DIELECTRIC APE FOR A MINIMUM CLEAR DISTANCE OF 3' AWAY FROM THE MAIN.

City of Naperville
STANDARD DETAIL
POLYETHYLENE ENCASEMENT
REVISOR: 01/01/2013 SHEET 1 OF 1
490.15

GRADE

COVER

COVER SHALL BE FLUSH WITH FINISHED GRADE OR AS SHOWN ON PLANS

11" I.D. MINIMUM UPPER STAINLESS STEEL ROD AND PINS FOR CURB 1" SERVICE. LARGER SERVICE WITHOUT RODS

1/8" BEND ELBOW (FLARE X COMP.)

CORPORATION STOP COUPLING

DIRECT CONNECT

PLACE ON UNDISTURBED GROUND

TAP SERVICE PIPING COPPER TUBE TYPE K 1" MIN. DIAMETER

ROUND WAY (COMP. X COMP.)

CONCRETE BRICK

HIGH TENSILE DUCTILE IRON WITH BLACK E-COATING OR BRASS

NUTS AND WASHERS - 18-8 TYPE 304 STAINLESS STEEL 1/2" OR 5/8" HEAVY HEX NUTS AND WASHERS ARE COATED TO PREVENT GALLING.

WATER MAIN SIZE	TAP SIZE	CONNECTION TYPE
6" OR SMALLER	1" OR SMALLER	DIRECT CONNECTION
	1 1/4" OR LARGER	SADDLE CONNECTION
8" OR LARGER	1 1/4" OR SMALLER	DIRECT CONNECTION
	1 1/2" OR LARGER	SADDLE CONNECTION

NOTES:

- CORPORATION IS TO BE FLARING TYPE (FORD F-800 OR EQUAL BY MUELLER OR A.Y. MCDONALD). FOR SERVICE SIZE 1 1/2" A.Y. MCDONALD 47010 CORR STOP THREADED INLET TO COMPRESSION OUTLET OR EQUAL.
- 1/8" BEND ELBOW - FEMALE FLARE TO COMPRESSION; FORD L404, OR AN APPROVED EQUAL BY MUELLER, OR A.Y. MCDONALD (NOT AVAILABLE IN 1 1/2" SIZE SEE NOTE 1).
- CURB BOX IS ARCH PATTERN WITH 1-1/4" UPPER SECTION WITH 1-1/4" BRASS PENTAGON PLUG.
- CURB STOP IS WITH COMPRESSION COUPLING - FORD B44 CURB STOP, OR EQUAL BY MUELLER, OR A.Y. MCDONALD.
- B-BOX HAS 1/2" THREADED BRASS PENTAGON PLUG WITH THE WORD "WATER" IN RAISED LETTERS ON CAP. (1-1/4" FRONT PLUG FOR 1-1/4" I.D. B-BOXES).
- CORPORATION STOPS SHALL BE INSTALLED A MINIMUM OF 18" FROM PIPE JOINTS AND ENDS. MULTIPLE INSTALLATIONS SHOULD BE STAGGERED AROUND THE MAIN BY 22-1/2" AND SEPARATED FROM EACH OTHER BY 18".
- WATER SERVICE LINE SMALLER THAN 3" SHALL BE TYPE K COPPER. IF JOINTS ARE REQUIRED DUE TO LENGTH OF SERVICE, THEN ONLY COMPRESSION TYPE COUPLING SHALL BE PERMITTED. NO SOLDERED OR FLARED TYPE JOINTS ARE ALLOWED.
- SERVICE TAPS SHALL REQUIRE SADDLES IN ACCORDANCE WITH CHART BELOW. SADDLES SHALL BE STAINLESS STEEL DUAL BANDED, DUCTILE IRON OR BRASS SADDLE (FORD FS202, 2028S OR APPROVED EQUAL). REFD FOR TAPS.
- ALL WATERMAIN AND APPURTENANCES MUST COMPLY WITH SECTION 1417 (A) OF THE SAFE DRINKING WATER ACT (SDWA). ALL PRODUCT USED FOR DISPENSING POTABLE WATER MUST MEET BOTH THE NSF 61 AND NSF 372 TEST OF STANDARDS VIA THIRD PARTY TESTING AND CERTIFICATIONS.

City of Naperville
STANDARD DETAIL
SERVICE TAP AND CONNECTION
REVISOR: 05/15/2015 SHEET 1 OF 1
490.20

REVISION RECORD

NO.	DATE	DESCRIPTION
1.	10/03/2021	NO REVISION THIS SHEET (ELECTRICAL REVIEW DATED 11/08/2021)
2.	01/10/2023	NO REVISION THIS SHEET (ELECTRICAL REVIEW DATED 03/21/2023)

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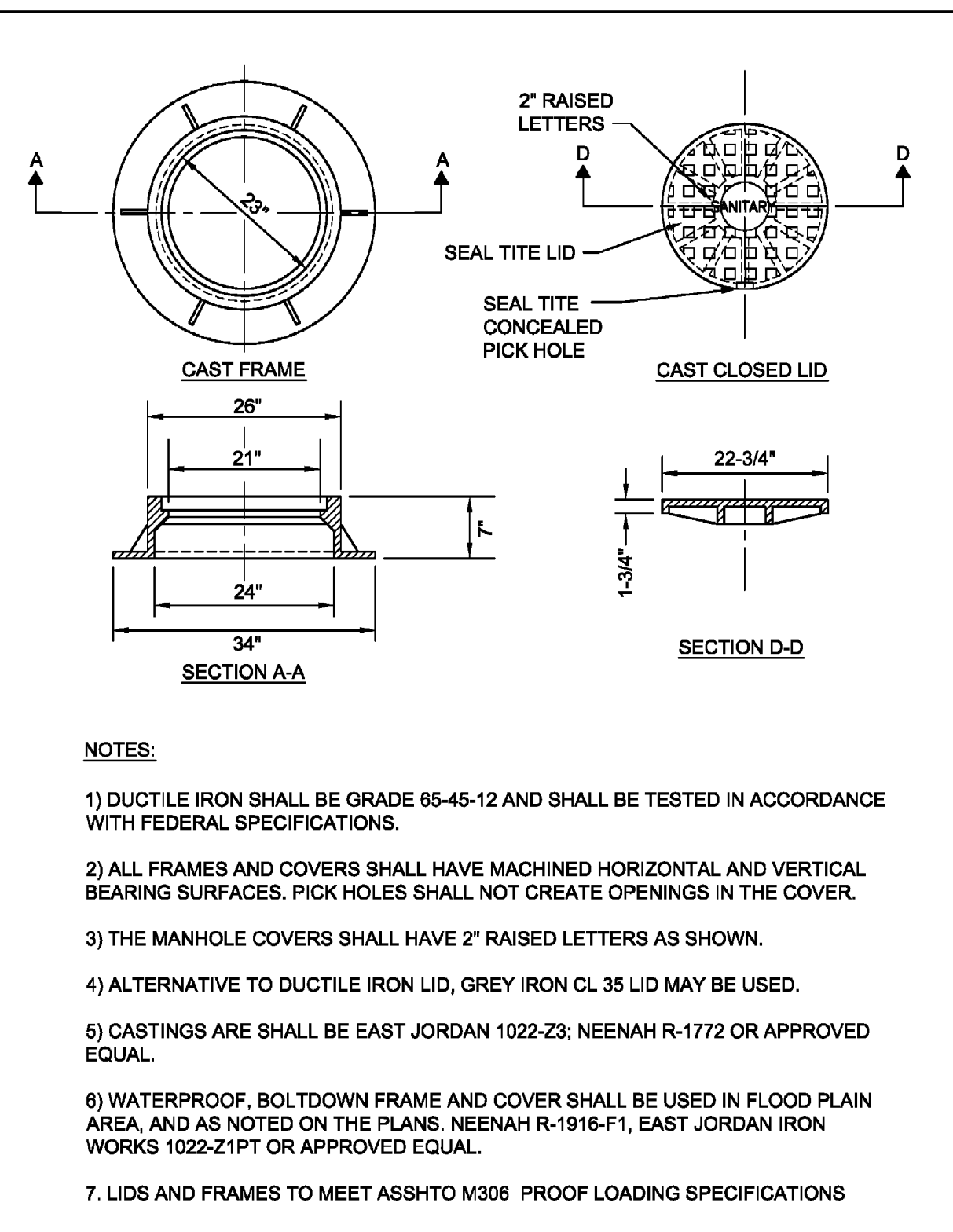
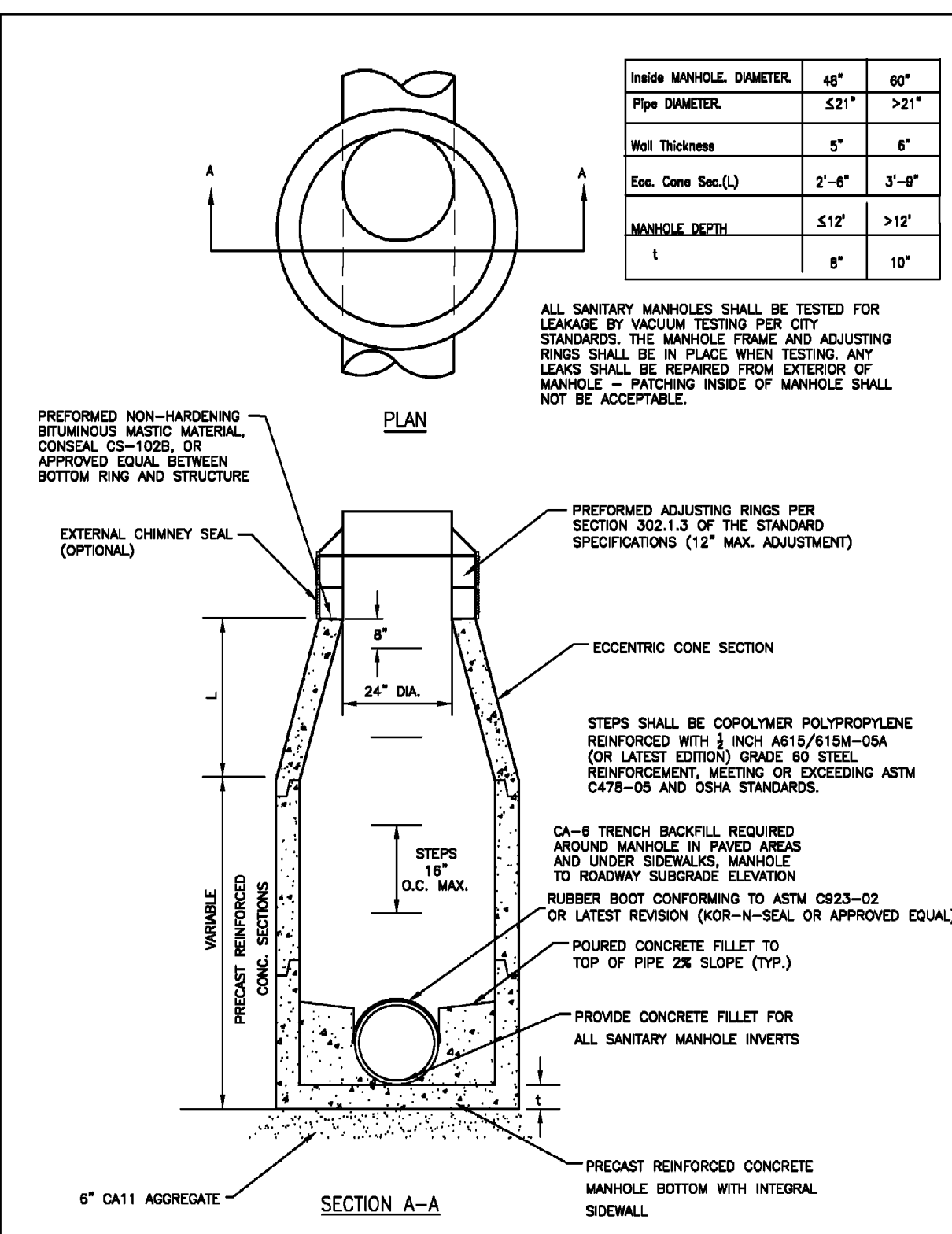
DATE: 10/12/2021
DWG SCALE: NONE
PROJECT NO: 312-670-AW00

DRAWN BY: SRH
CHECKED BY: JGC
APPROVED BY: JGC

DETAILS - 2

DRAWING NO: **C801**

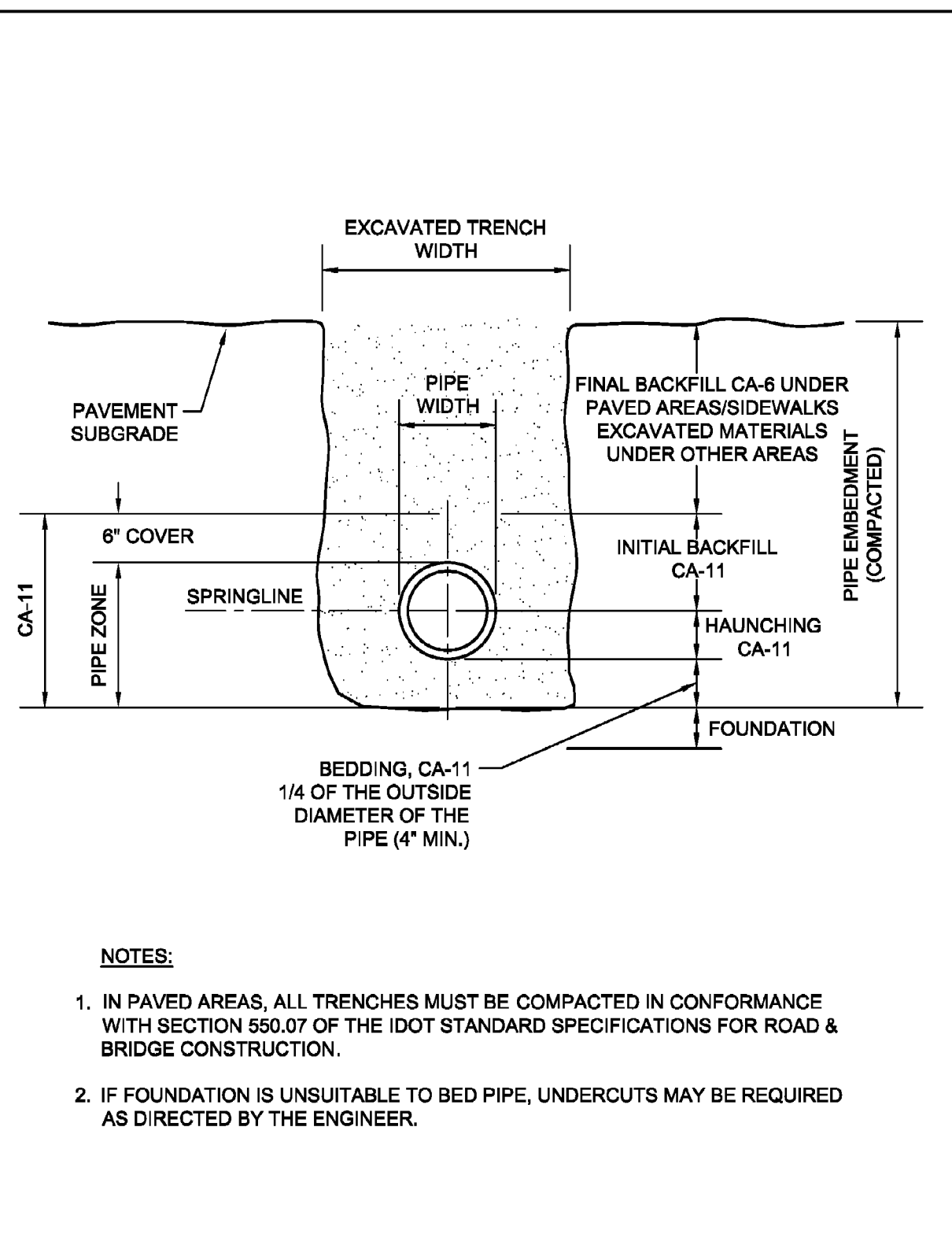
SHEET 10 OF 12



- NOTES:**
- 1) DUCTILE IRON SHALL BE GRADE 85-45-12 AND SHALL BE TESTED IN ACCORDANCE WITH FEDERAL SPECIFICATIONS.
 - 2) ALL FRAMES AND COVERS SHALL HAVE MACHINED HORIZONTAL AND VERTICAL BEARING SURFACES. PICK HOLES SHALL NOT CREATE OPENINGS IN THE COVER.
 - 3) THE MAN-HOLE COVERS SHALL HAVE 2" RAISED LETTERS AS SHOWN.
 - 4) ALTERNATIVE TO DUCTILE IRON LID, GREY IRON CL 35 LID MAY BE USED.
 - 5) CASTINGS ARE SHALL BE EAST JORDAN 1022-23; NEENAH R-1772 OR APPROVED EQUAL.
 - 6) WATERPROOF, BOLT-DOWN FRAME AND COVER SHALL BE USED IN FLOOD PLAIN AREA, AND AS NOTED ON THE PLANS. NEENAH R-1916-F1, EAST JORDAN IRON WORKS 1022-21PT OR APPROVED EQUAL.
 - 7) LIDS AND FRAMES TO MEET ASSHTO M306 PROOF LOADING SPECIFICATIONS

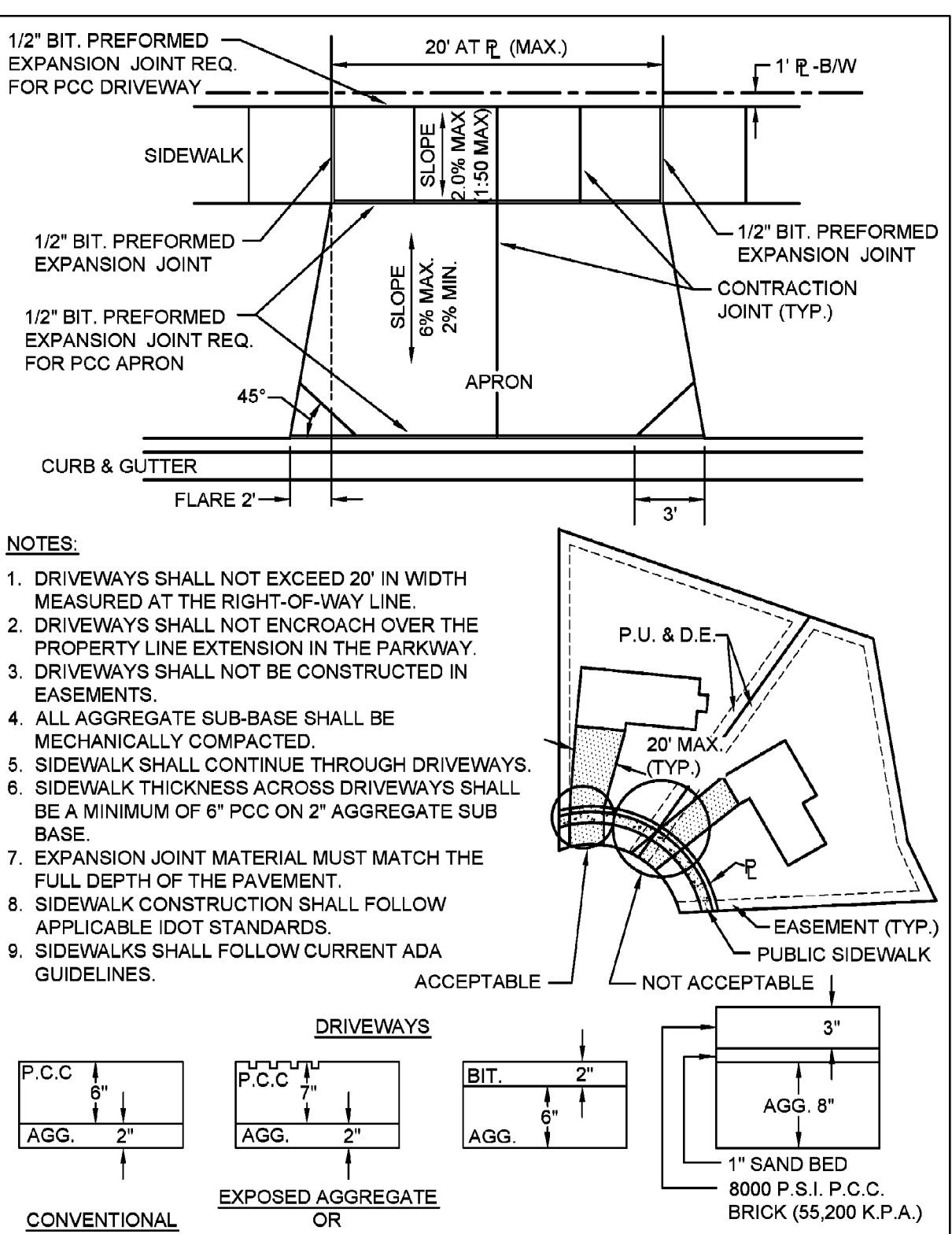
City of Naperville STANDARD DETAIL SANITARY SEWER MANHOLE SANITARY 1 390.01
REVISED: 08/01/2018 SHEET 1 OF 1

City of Naperville STANDARD DETAIL SANITARY MANHOLE - FRAME & COVER SANITARY 6 390.06
REVISED: 01/01/2013 SHEET 1 OF 1



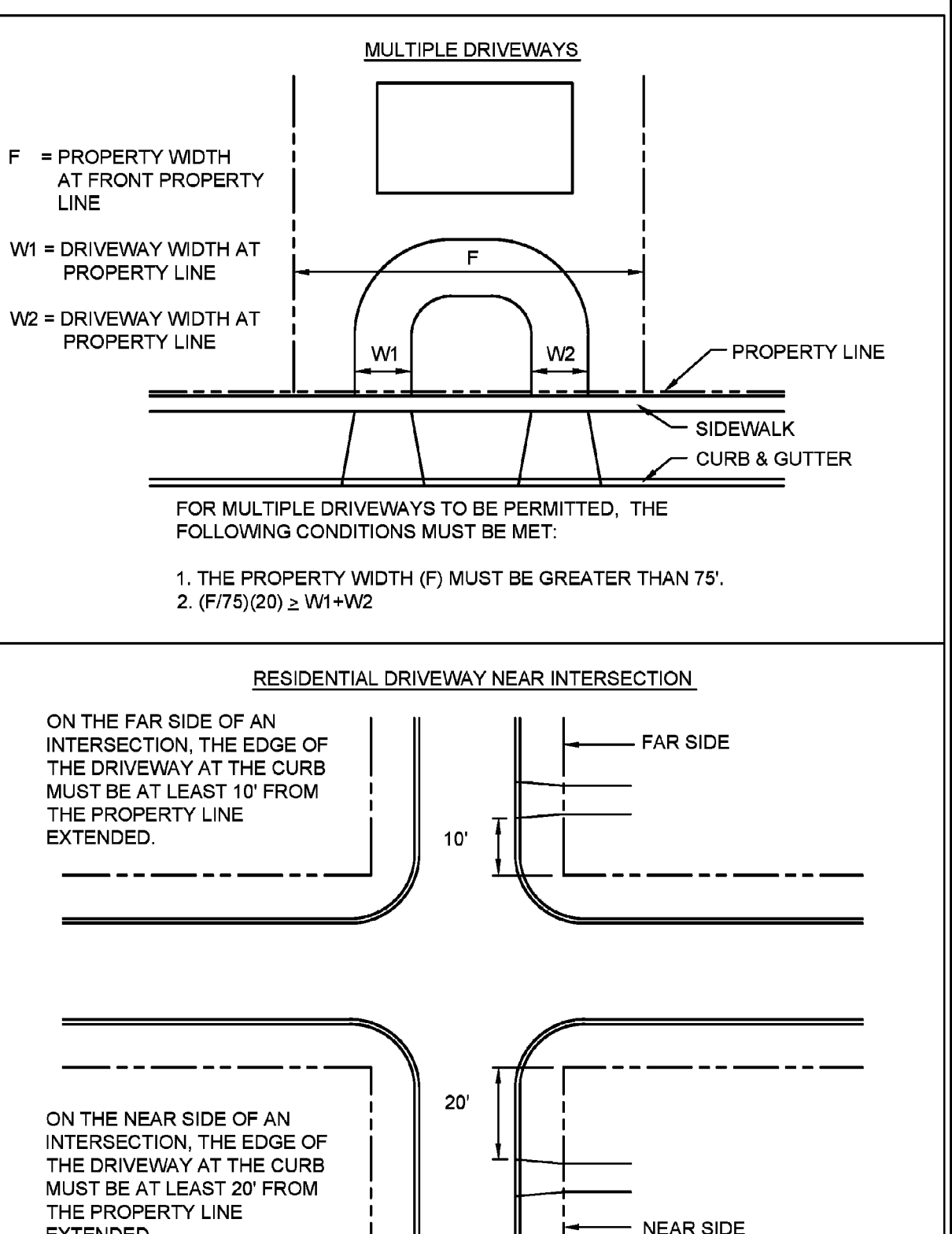
- NOTES:**
1. IN PAVED AREAS, ALL TRENCHES MUST BE COMPACTED IN CONFORMANCE WITH SECTION 550.07 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION.
 2. IF FOUNDATION IS UNSUITABLE TO BED PIPE, UNDERCUTS MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.

City of Naperville STANDARD DETAIL TRENCH SECTION FOR PVC PIPE SANITARY 10 390.10
REVISED: 01/01/2013 SHEET 1 OF 1



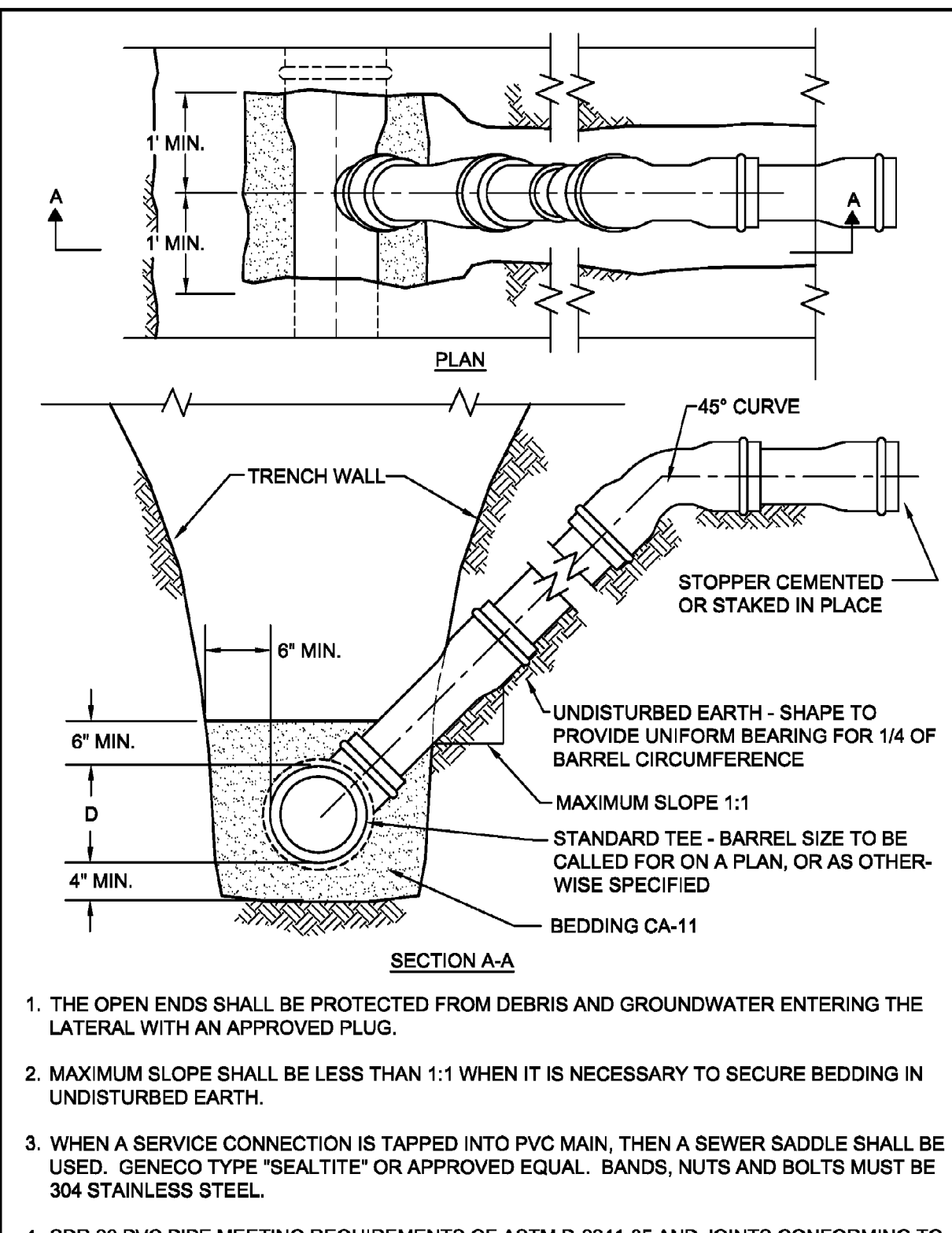
- NOTES:**
1. DRIVEWAYS SHALL NOT EXCEED 20' IN WIDTH MEASURED AT THE RIGHT-OF-WAY LINE.
 2. DRIVEWAYS SHALL NOT ENCRoACH OVER THE PROPERTY LINE EXTENSION IN THE PARKWAY.
 3. DRIVEWAYS SHALL NOT BE CONSTRUCTED IN EASEMENTS.
 4. ALL AGGREGATE SUB-BASE SHALL BE MECHANICALLY COMPACTED.
 5. SIDEWALK SHALL CONTINUE THROUGH DRIVEWAYS.
 6. SIDEWALK THICKNESS ACROSS DRIVEWAYS SHALL BE A MINIMUM OF 6" PCC ON 2" AGGREGATE SUB BASE.
 7. EXPANSION JOINT MATERIAL MUST MATCH THE FULL DEPTH OF THE PAVEMENT.
 8. SIDEWALK CONSTRUCTION SHALL FOLLOW APPLICABLE IDOT STANDARDS.
 9. SIDEWALKS SHALL FOLLOW CURRENT ADA GUIDELINES.

City of Naperville STANDARD DETAIL TYPICAL RESIDENTIAL DRIVEWAY DETAIL PAVEMENT 6 590.06
REVISED: 08/01/2018 SHEET 1 OF 2



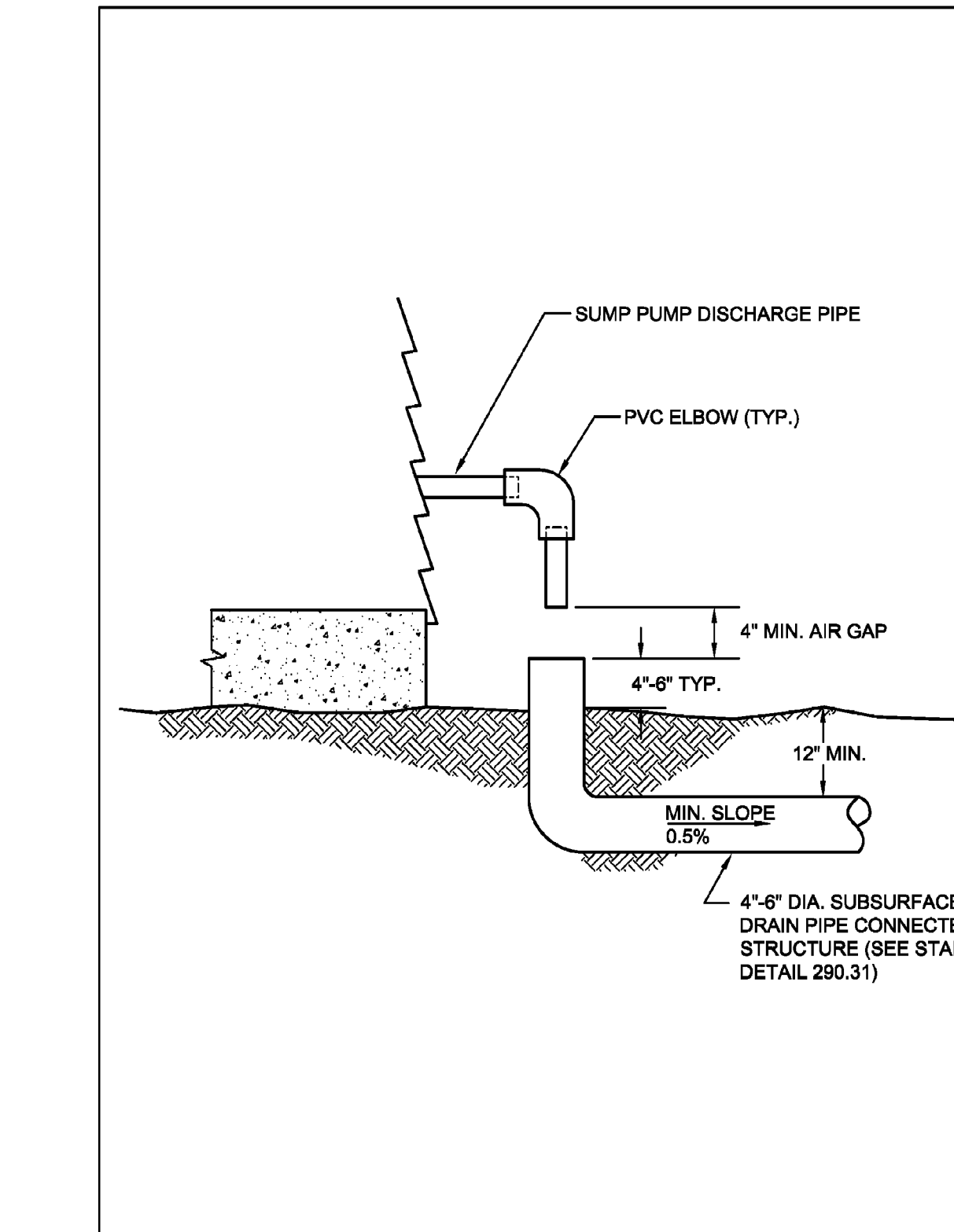
- NOTES:**
1. THE PROPERTY WIDTH (F) MUST BE GREATER THAN 75'.
 2. (F/75)(20) ≥ W1+W2

City of Naperville STANDARD DETAIL TYPICAL RESIDENTIAL DRIVEWAY DETAIL PAVEMENT 6 590.06
REVISED: 08/01/2018 SHEET 2 OF 2



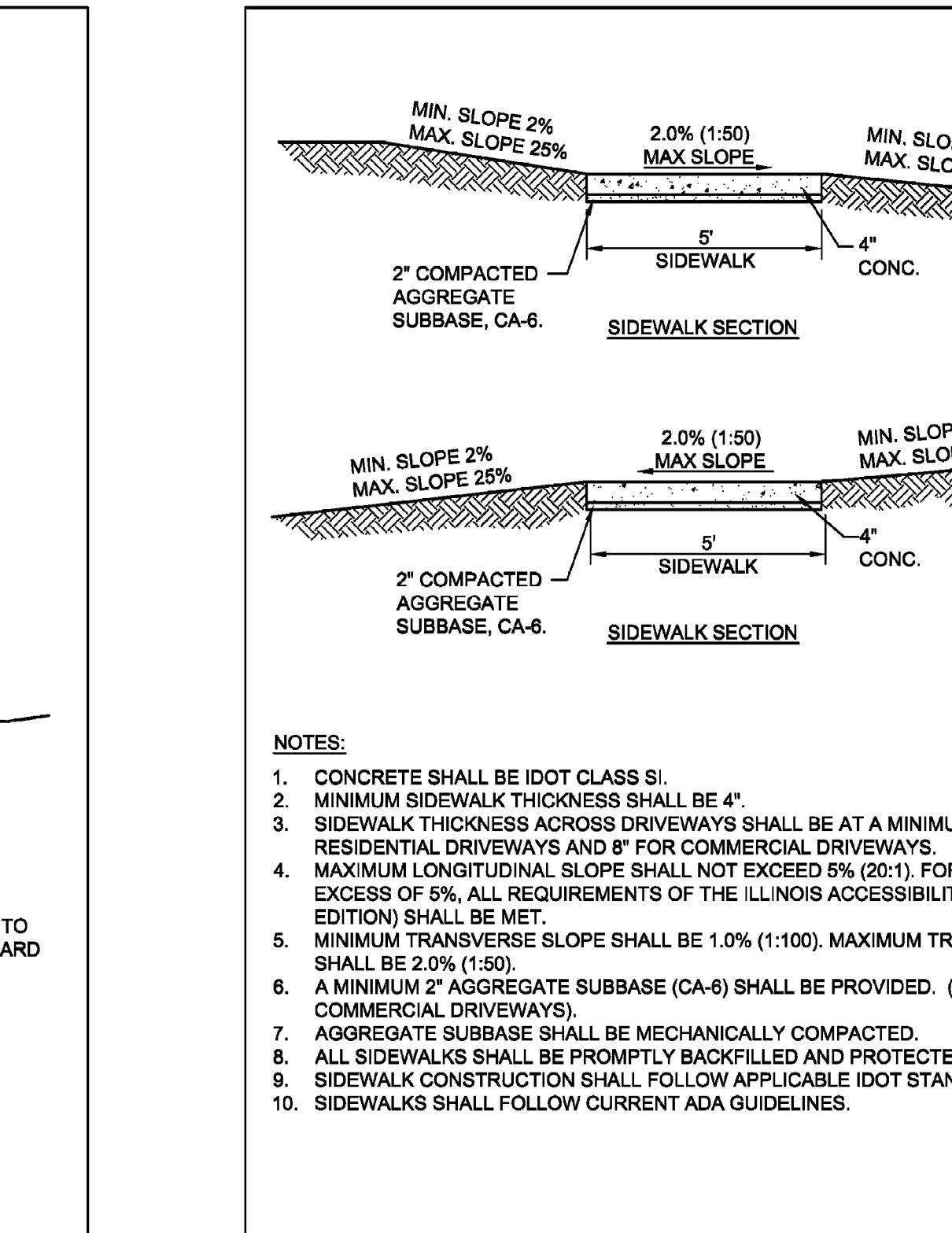
- NOTES:**
1. THE OPEN ENDS SHALL BE PROTECTED FROM DEBRIS AND GROUNDWATER ENTERING THE LATERAL WITH AN APPROVED PLUG.
 2. MAXIMUM SLOPE SHALL BE LESS THAN 1:1 WHEN IT IS NECESSARY TO SECURE BEDDING IN UNDISTURBED EARTH.
 3. WHEN A SERVICE CONNECTION IS TAPPED INTO PVC MAIN, THEN A SEWER SADDLE SHALL BE USED. GENECO TYPE "SEALTITE" OR APPROVED EQUAL. BANDS, NUTS AND BOLTS MUST BE 304 STAINLESS STEEL.
 4. SDR 26 PVC PIPE MEETING REQUIREMENTS OF ASTM D-2241-05 AND JOINTS CONFORMING TO ASTM D-3139-99(2005) OR LATEST EDITIONS.

City of Naperville STANDARD DETAIL RISE FOR SERVICE LATERAL SANITARY 20 390.20
REVISED: 01/01/2013 SHEET 1 OF 1



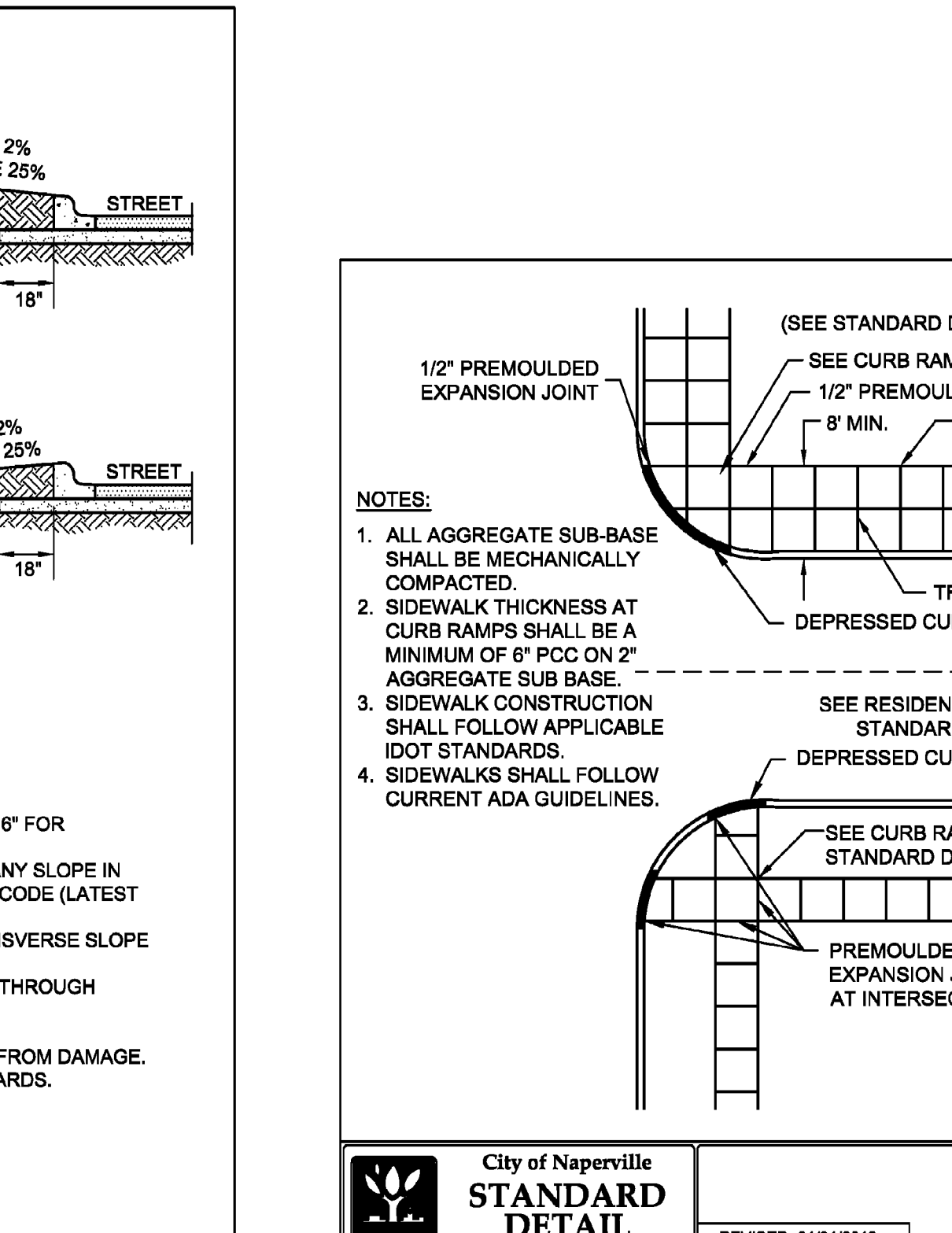
- NOTES:**
1. THE OPEN ENDS SHALL BE PROTECTED FROM DEBRIS AND GROUNDWATER ENTERING THE LATERAL WITH AN APPROVED PLUG.
 2. MAXIMUM SLOPE SHALL BE LESS THAN 1:1 WHEN IT IS NECESSARY TO SECURE BEDDING IN UNDISTURBED EARTH.
 3. WHEN A SERVICE CONNECTION IS TAPPED INTO PVC MAIN, THEN A SEWER SADDLE SHALL BE USED. GENECO TYPE "SEALTITE" OR APPROVED EQUAL. BANDS, NUTS AND BOLTS MUST BE 304 STAINLESS STEEL.
 4. SDR 26 PVC PIPE MEETING REQUIREMENTS OF ASTM D-2241-05 AND JOINTS CONFORMING TO ASTM D-3139-99(2005) OR LATEST EDITIONS.

City of Naperville STANDARD DETAIL SUMP PUMP CONNECTION STORM 30 290.30
REVISED: 01/01/2013 SHEET 1 OF 1



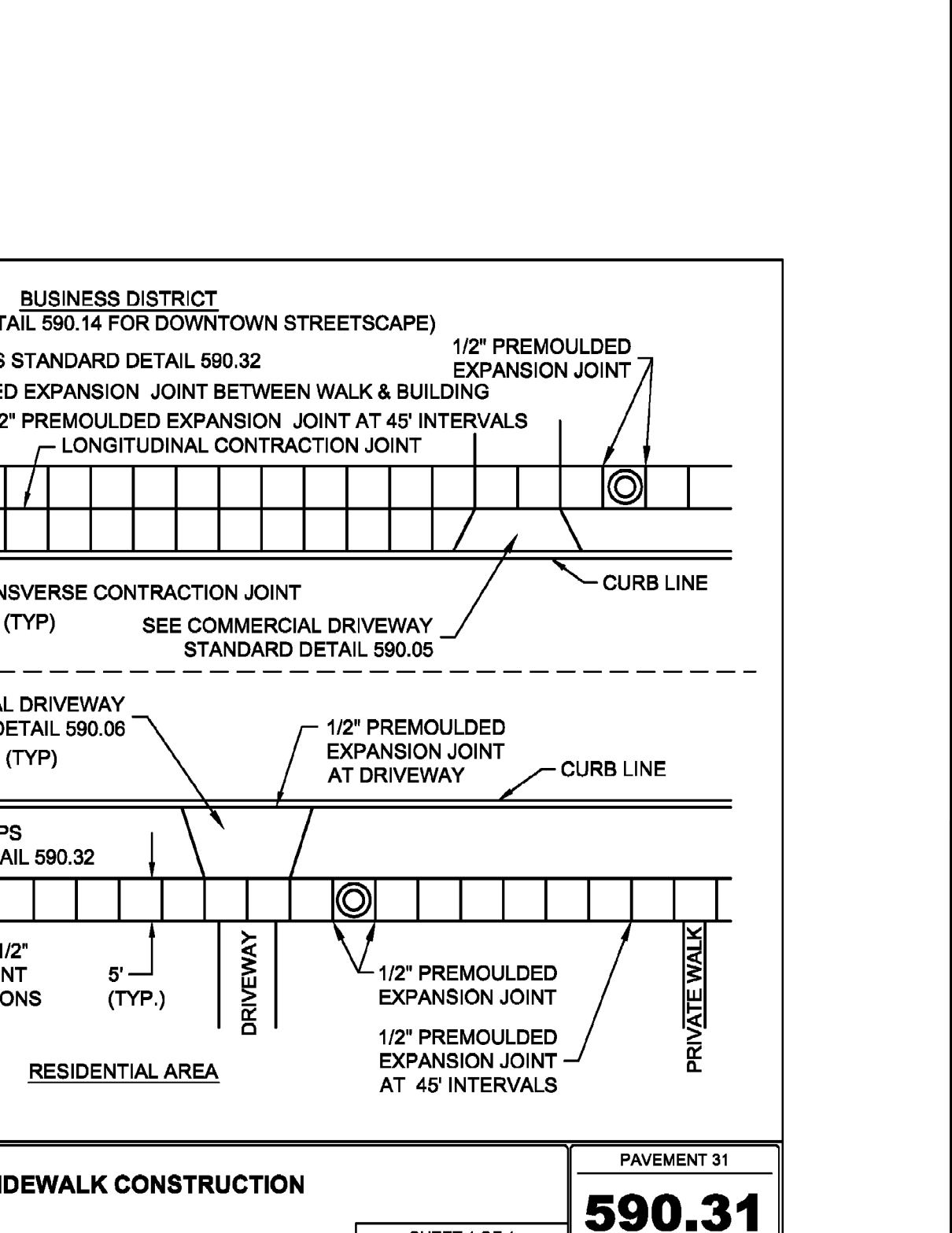
- NOTES:**
1. CONCRETE SHALL BE IDOT CLASS S1.
 2. MINIMUM SIDEWALK THICKNESS SHALL BE 4".
 3. SIDEWALK THICKNESS ACROSS DRIVEWAYS SHALL BE AT A MINIMUM 6" FOR RESIDENTIAL DRIVEWAYS AND 8" FOR COMMERCIAL DRIVEWAYS.
 4. MAXIMUM LONGITUDINAL SLOPE SHALL NOT EXCEED 5% (20:1). FOR ANY SLOPE IN EXCESS OF 5%, ALL REQUIREMENTS OF THE ILLINOIS ACCESSIBILITY CODE (LATEST EDITION) SHALL BE MET.
 5. MINIMUM TRANSVERSE SLOPE SHALL BE 1.0% (1:100). MAXIMUM TRANSVERSE SLOPE SHALL BE 2.0% (1:50).
 6. A MINIMUM 2" AGGREGATE SUBBASE (CA-6) SHALL BE PROVIDED. (4" THROUGH COMMERCIAL DRIVEWAYS).
 7. AGGREGATE SUBBASE SHALL BE MECHANICALLY COMPACTED.
 8. ALL SIDEWALKS SHALL BE PROMPTLY BACKFILLED AND PROTECTED FROM DAMAGE.
 9. SIDEWALK CONSTRUCTION SHALL FOLLOW APPLICABLE IDOT STANDARDS.
 10. SIDEWALKS SHALL FOLLOW CURRENT ADA GUIDELINES.

City of Naperville STANDARD DETAIL SIDEWALK PAVEMENT 30 590.30
REVISED: 01/01/2013 SHEET 1 OF 1



- NOTES:**
1. ALL AGGREGATE SUB-BASE SHALL BE MECHANICALLY COMPACTED.
 2. SIDEWALK THICKNESS AT CURB RAMPS SHALL BE A MINIMUM OF 6" PCC ON 2" AGGREGATE SUB BASE.
 3. SIDEWALK CONSTRUCTION SHALL FOLLOW APPLICABLE IDOT STANDARDS.
 4. SIDEWALKS SHALL FOLLOW CURRENT ADA GUIDELINES.

City of Naperville STANDARD DETAIL SIDEWALK CONSTRUCTION PAVEMENT 31 590.31
REVISED: 01/01/2013 SHEET 1 OF 1



- NOTES:**
1. ALL AGGREGATE SUB-BASE SHALL BE MECHANICALLY COMPACTED.
 2. SIDEWALK THICKNESS AT CURB RAMPS SHALL BE A MINIMUM OF 6" PCC ON 2" AGGREGATE SUB BASE.
 3. SIDEWALK CONSTRUCTION SHALL FOLLOW APPLICABLE IDOT STANDARDS.
 4. SIDEWALKS SHALL FOLLOW CURRENT ADA GUIDELINES.

City of Naperville STANDARD DETAIL SIDEWALK CONSTRUCTION PAVEMENT 31 590.31
REVISED: 01/01/2013 SHEET 1 OF 1

REVISION RECORD

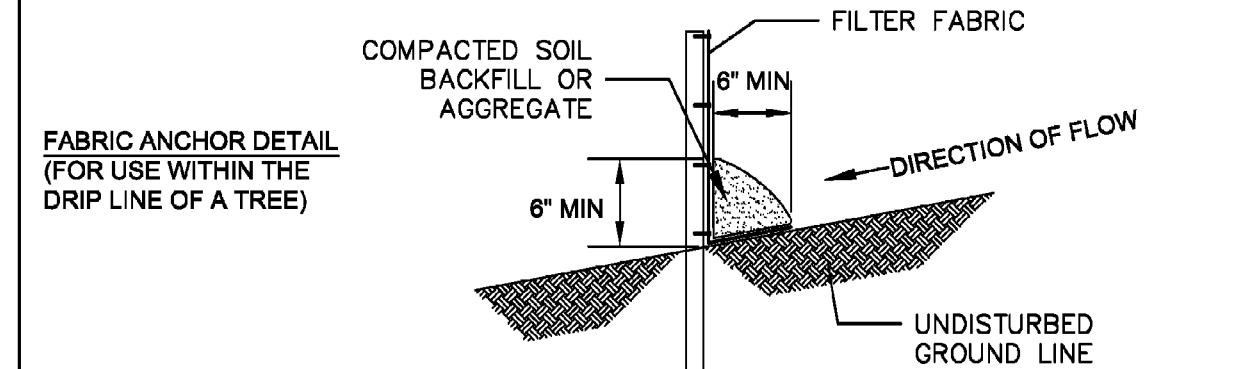
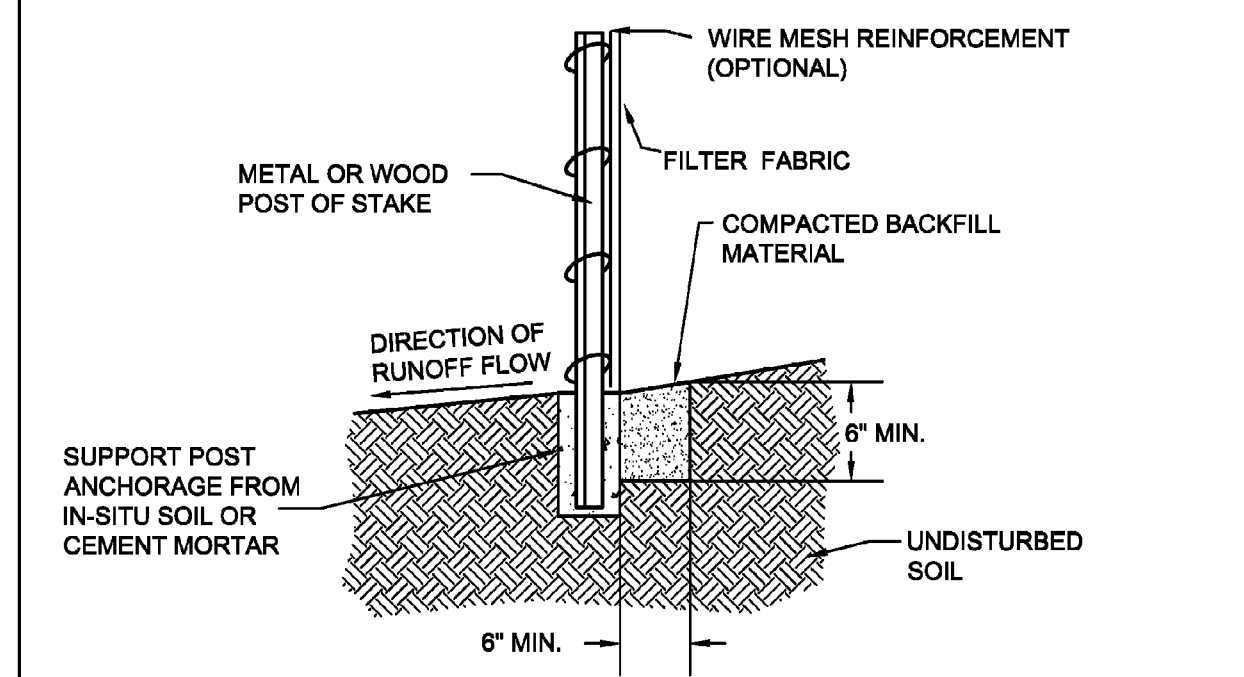
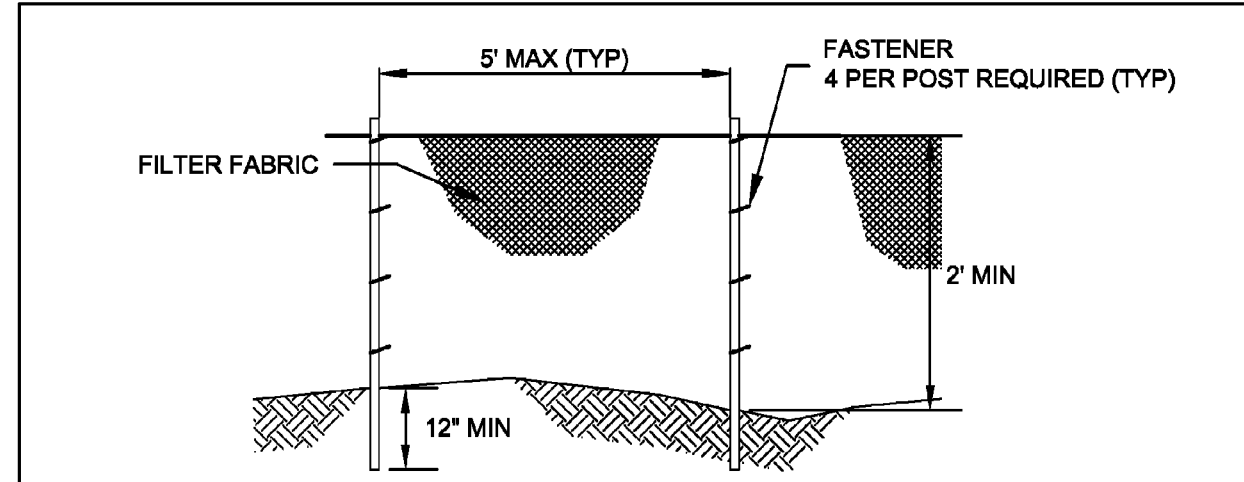
NO.	DATE	DESCRIPTION
1.	10/03/2021	REVISED PER CITY REVIEW DATED 11/03/2021
2.	01/10/2023	NO REVISION THIS SHEET PER CITY REVIEW DATED 03/01/2023

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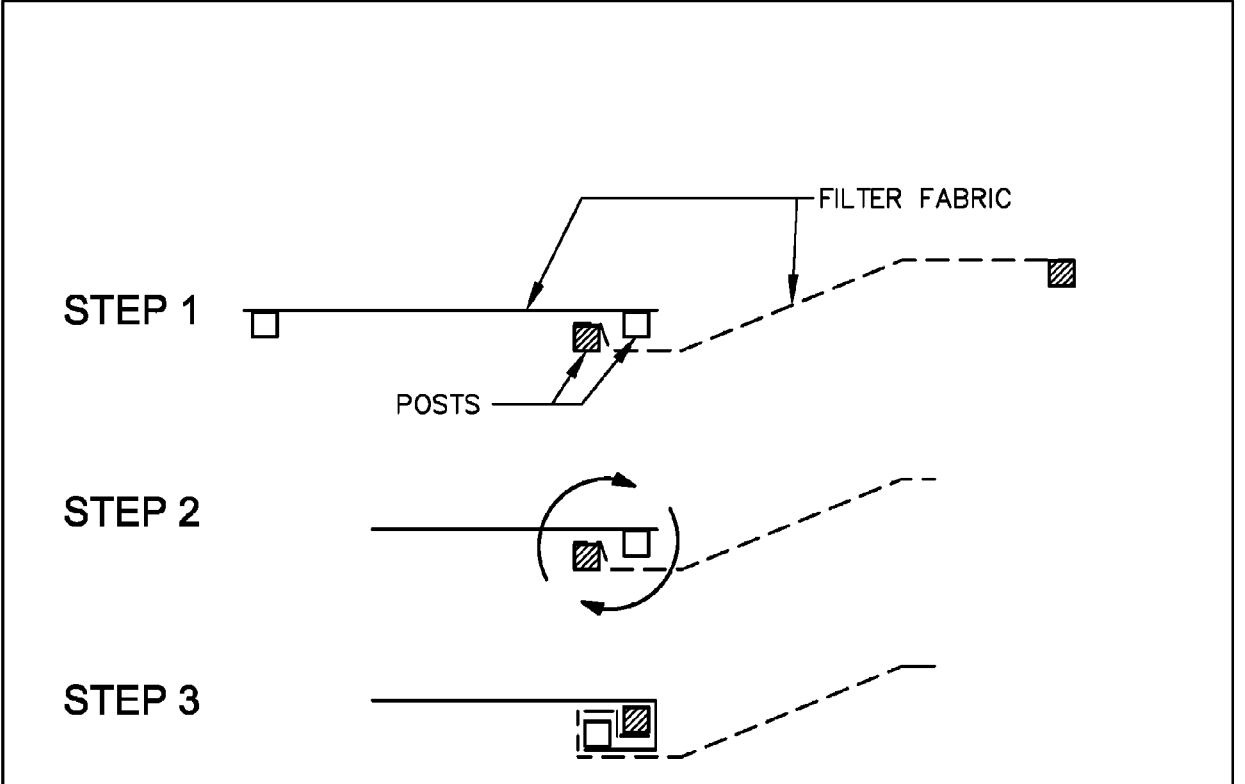
NIMISHA & ANTHONY PAVONE SANDHYA & PRADIP SHAH ROCAS HILL SUBDIVISION 7S345 COLUMBIA STREET NAPERVILLE, ILLINOIS 60540

DETAILS - 3

DATE:	10/12/2021	DRAWN BY:	SRH
DWG SCALE:	NONE	CHECKED BY:	JCC
PROJECT NO.:	312-670-AV00	APPROVED BY:	JCC

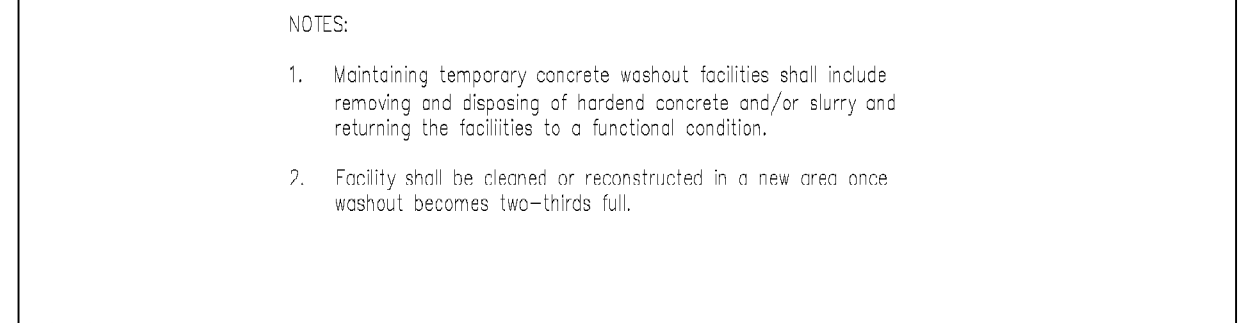
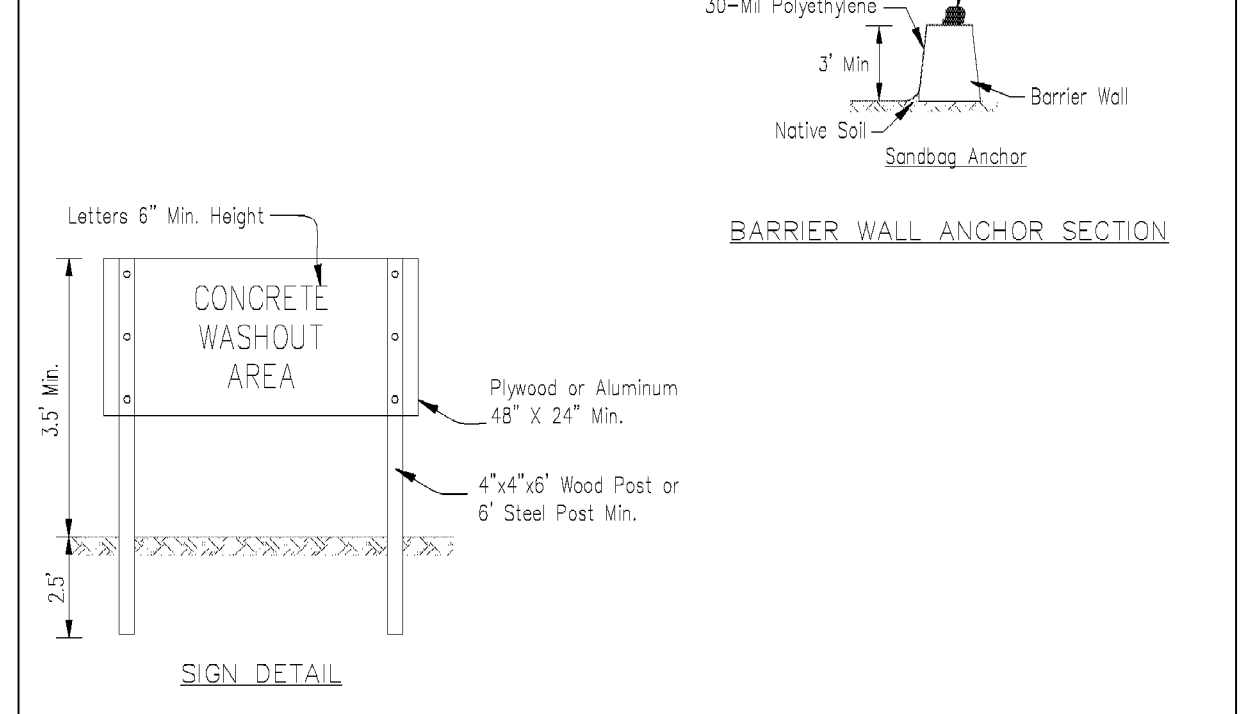
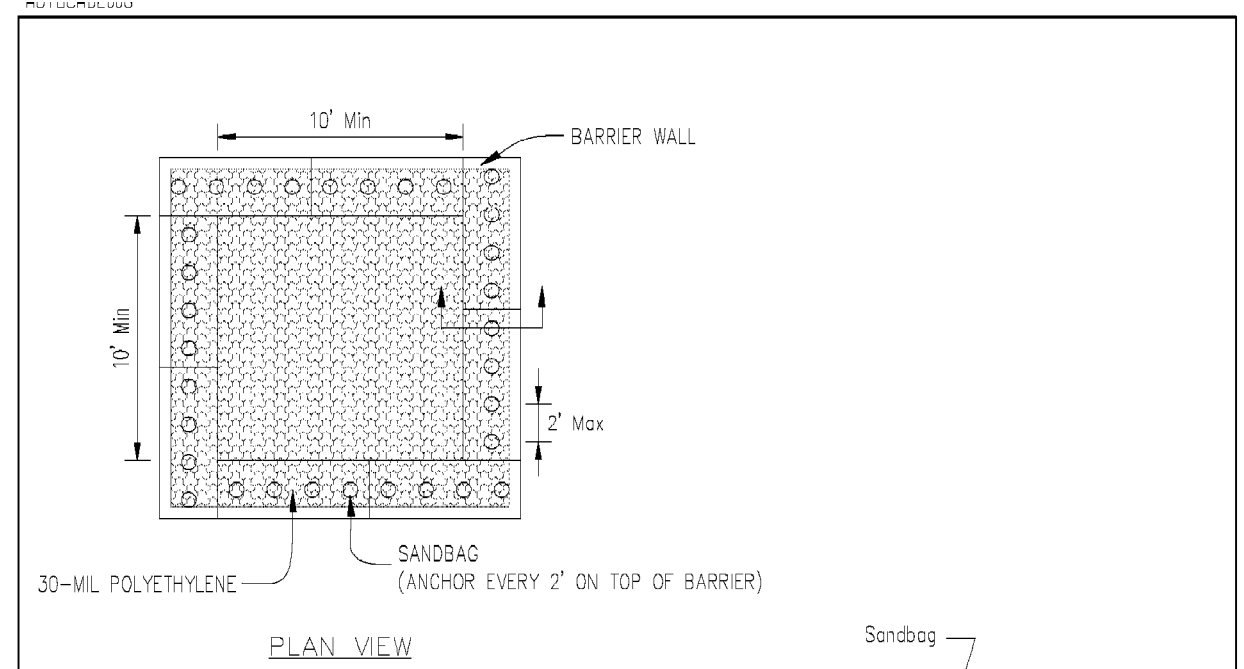


City of Naperville
STANDARD DETAIL
TEMPORARY EROSION CONTROL MEASURE - SILT FENCE
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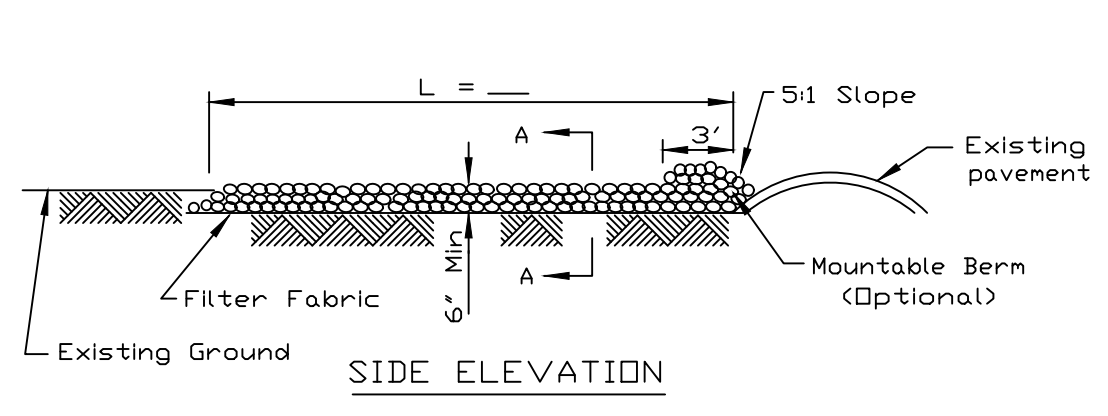
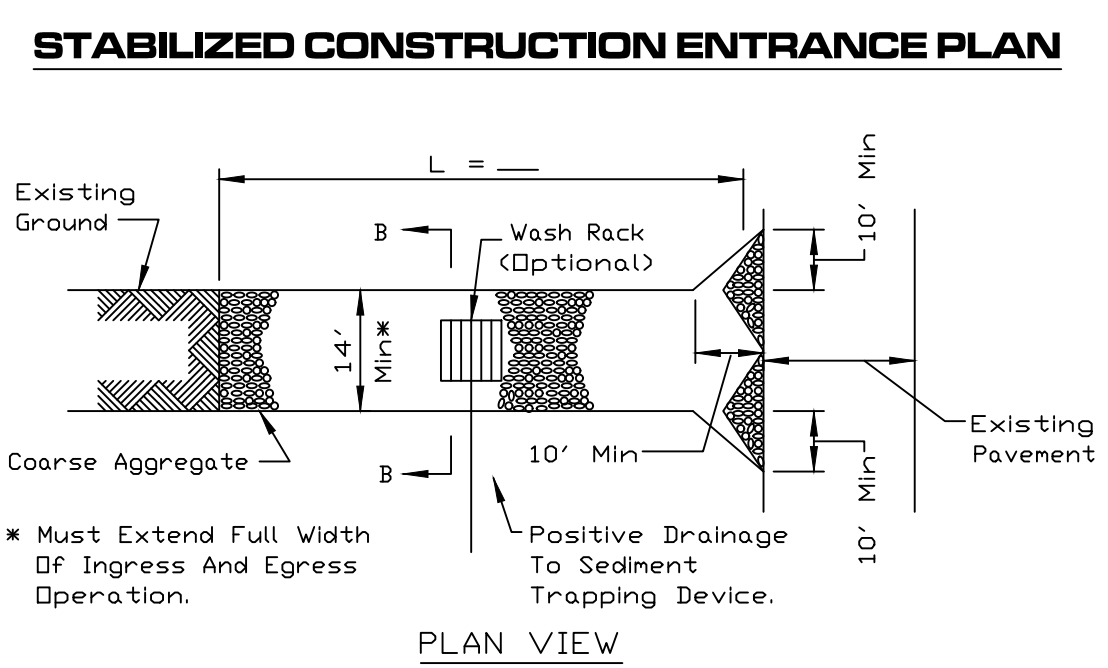
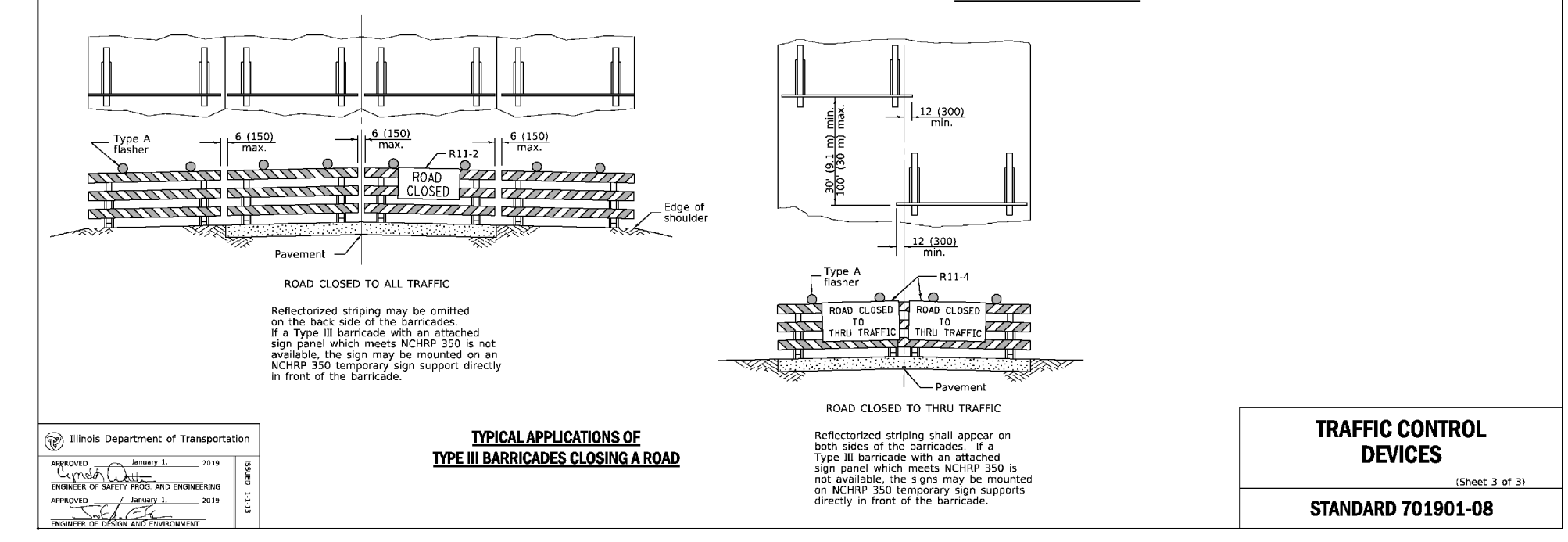
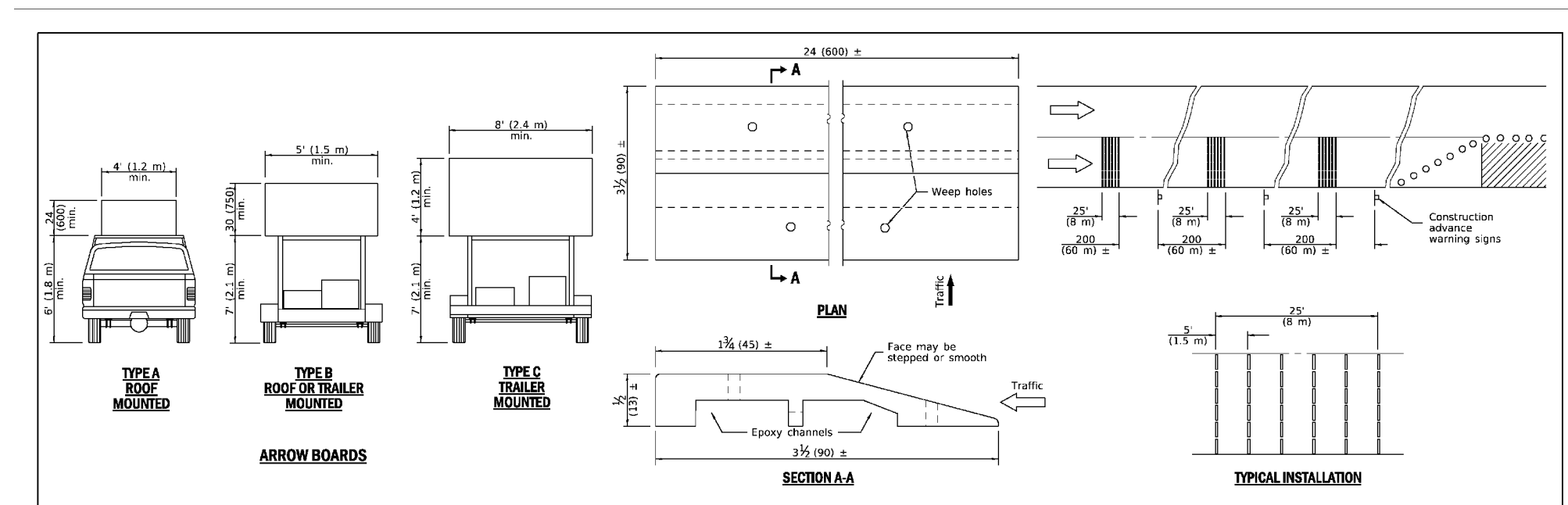
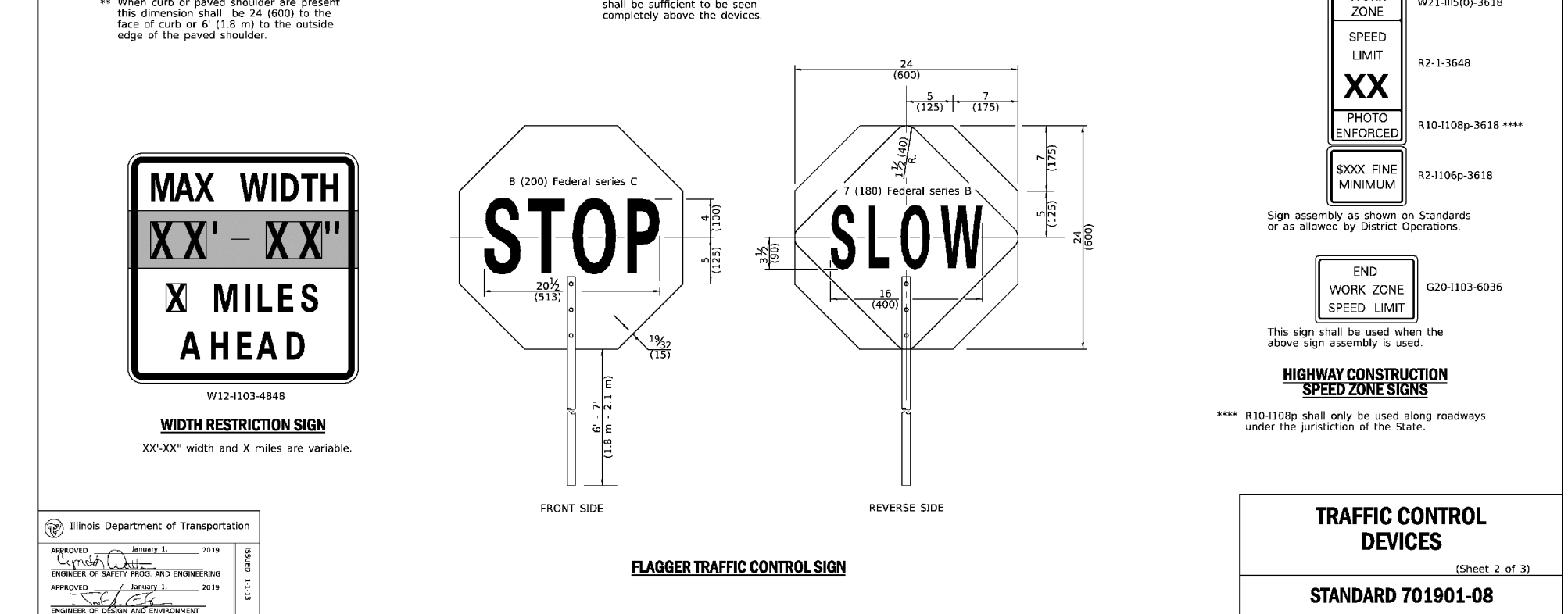
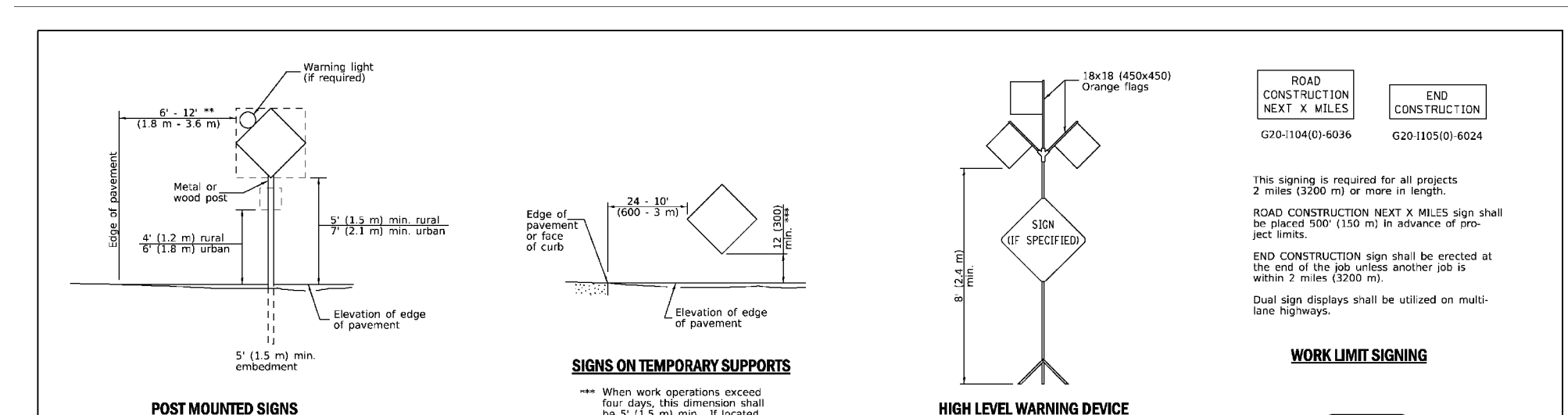
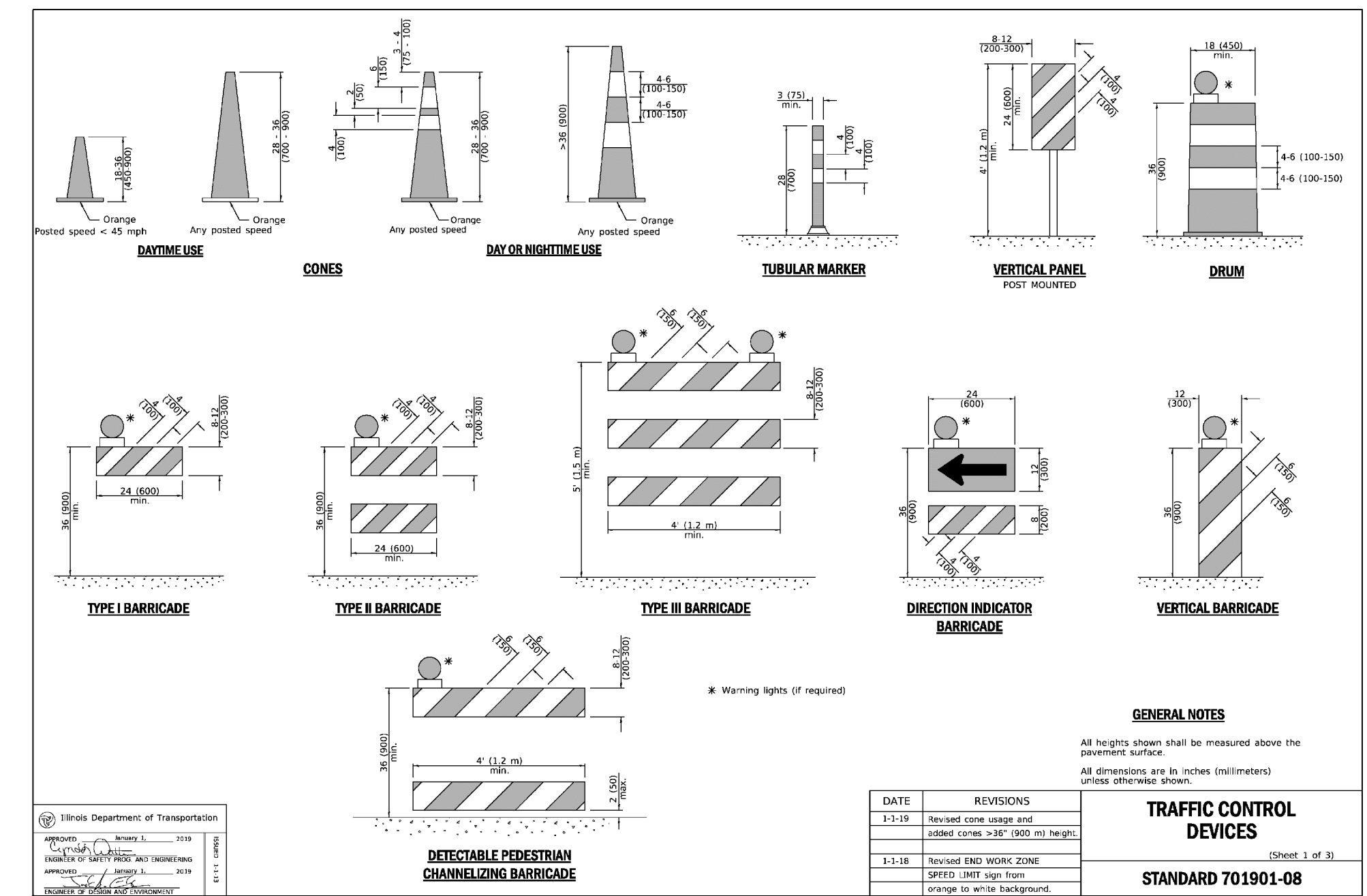


- STEPS FOR THE ATTACHMENT OF TWO SILT FENCES:**
1. PLACE THE END POST OF THE SECOND FENCE INSIDE THE END POST OF THE FIRST FENCE.
 2. ROTATE BOTH POSTS AT LEAST 180 DEGREES IN A CLOCKWISE DIRECTION TO CREATE A TIGHT SEAL WITH THE FABRIC MATERIAL.
 3. DRIVE BOTH POSTS A MINIMUM OF 18 INCHES INTO THE GROUND AND BURY THE FLAP.
- NOTES:**
1. TEMPORARY 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.
 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 NON-WOVEN OR 50 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.
 4. DEPENDING UPON THE CONFIGURATION, ATTACH FABRIC AND WIRE MESH WITH HOG RINGS, STEEL POST WITH TIE WIRES, WOOD POST WITH NAILS.

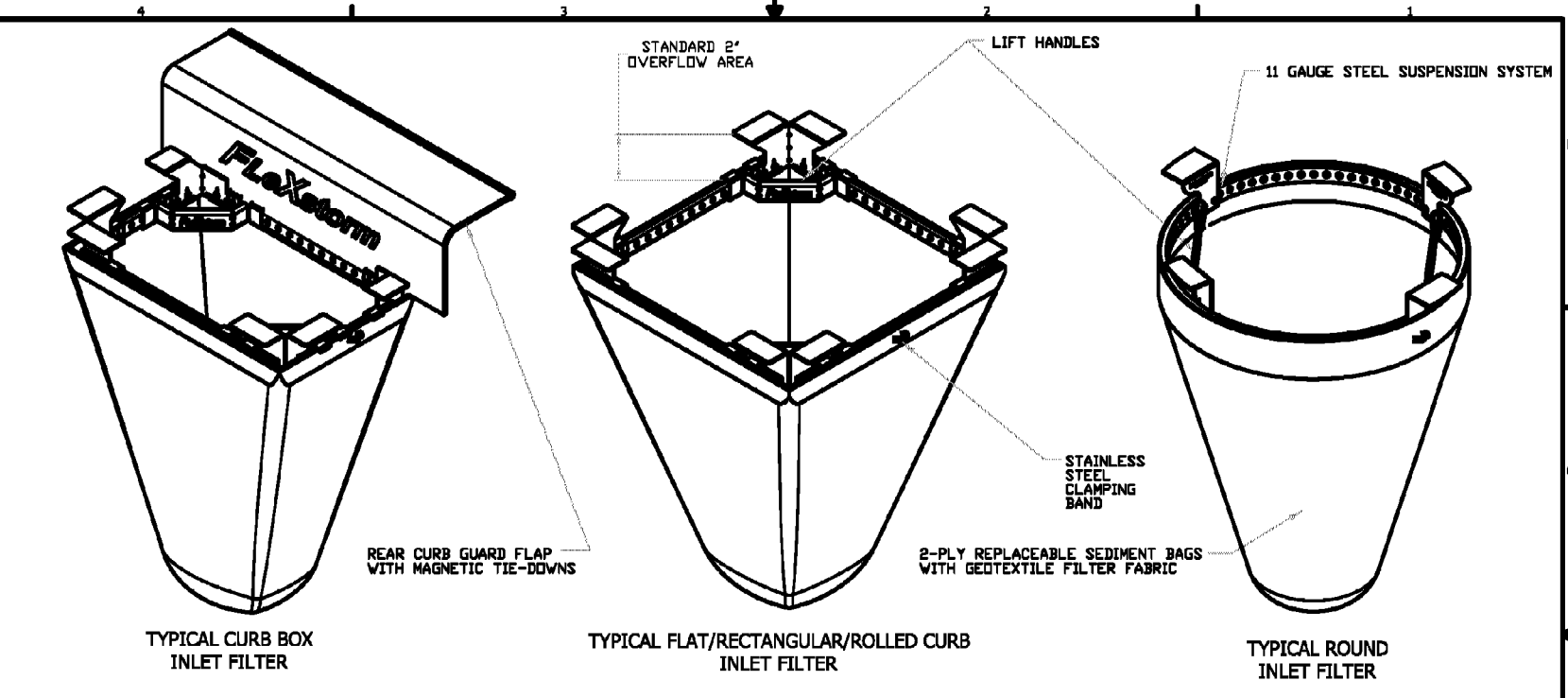
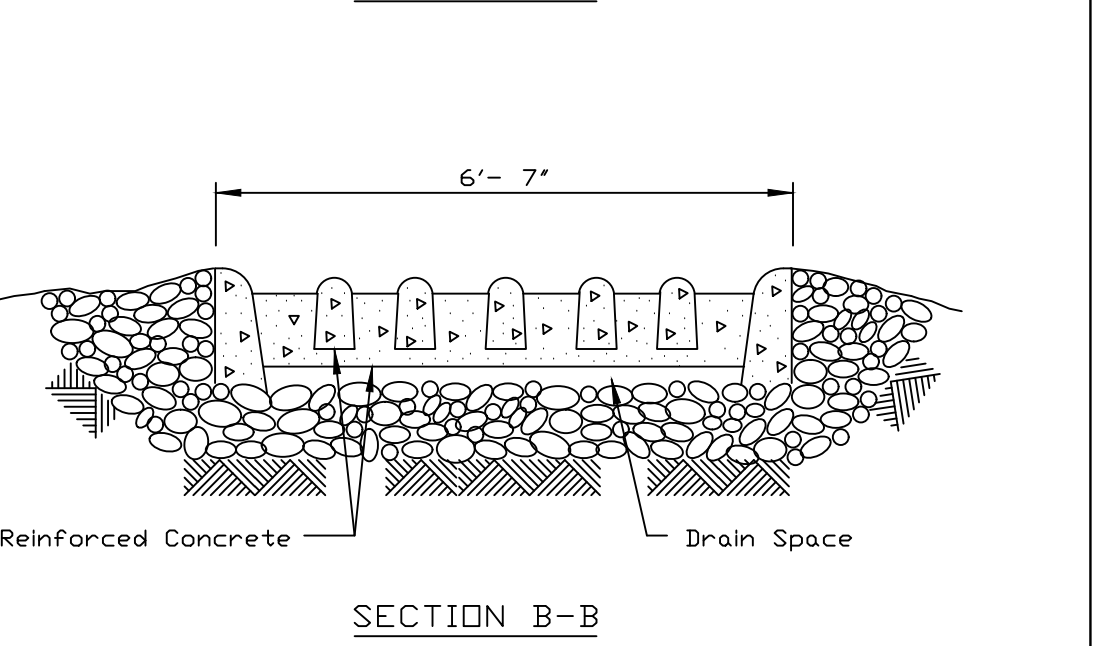
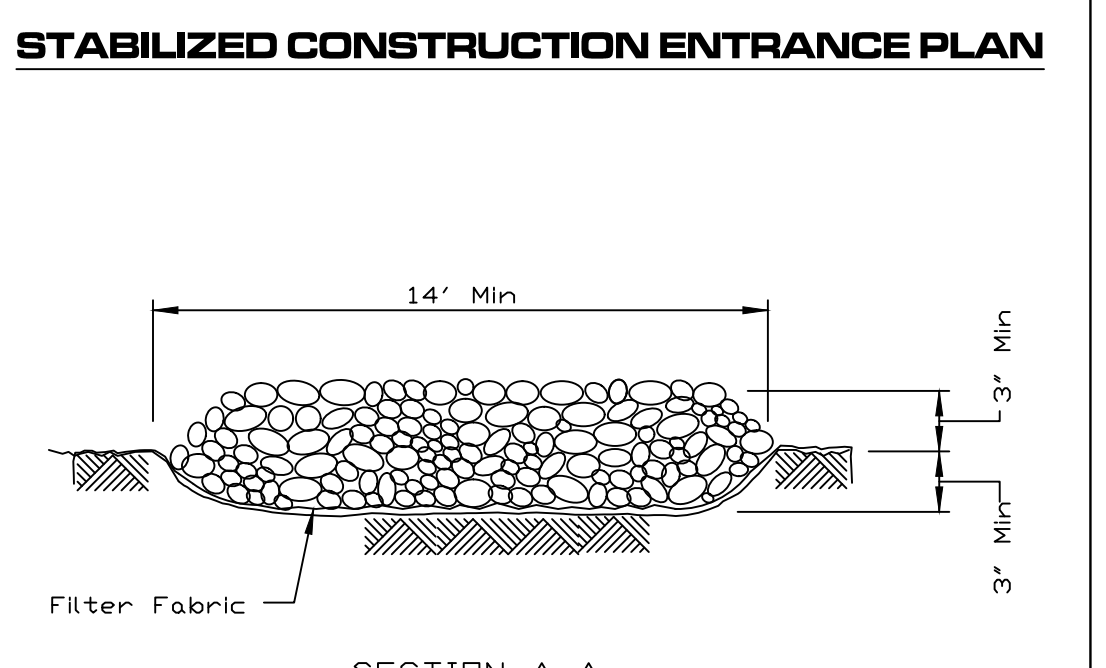
City of Naperville
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TEMPORARY EROSION CONTROL MEASURE - SILT FENCE
 REVISED: 01/01/2013 SHEET 2 OF 2
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TEMPORARY CONCRETE WASHOUT FACILITY - BARRIER WALL
 Degree: _____ Date: _____
 Drawn: _____ Scale: _____
 Checked: _____
 Approved: _____



- NOTES:**
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table 1 or 2, Class II, 10' and shall be placed over the cleared area prior to the placing of rock.
 2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
 3. Any drainage facilities required because of washing shall be constructed according to manufacturer's specifications.
 4. If wash rocks are used they shall be installed according to the manufacturer's specifications.



IPP Filter Inlet Filter Specifications			
Material Property	Test Method	Value (min/avg)	Units
Inner Filter Bag Specs (21' min w/d)			
Grub Tenile	ASTM D 4632	100 lbs	100 lbs
Puncture Strength	ASTM D 4853	65 lbs	50 lbs
Trapezoidal Tear	ASTM D 4853	45 lbs	75 lbs
UV Resistance	ASTM D 4355	70% at 500 hrs	90%
App Open Size (AOS)	ASTM D 4751	70 sieve (212 mm)	40 sieve (425 mm)
Permeability	ASTM D 4491	2.0 / sec	2.1 / sec
Water Flow Rate	ASTM D 4491	145 gpm/ft ²	145 gpm/ft ²
Polyester Outer Reinforcement Bag Specifications			
Weight	ASTM D 3776	4.55 oz/ft ² +/- 15%	
Thickness	ASTM D 3777	.040 +/- .005	
Frame Construction			
A35 Structural Steel	ASTM A 576	Tensile Strength > 58,000 psi	Yield Strength > 36,000 psi
11 Gauge, Zinc Plated			

City of Naperville
STANDARD DETAIL
TEMPORARY EROSION CONTROL MEASURE - STABILIZED CONSTRUCTION ENTRANCE PLAN
 REVISED: 01/01/2013 SHEET 1 OF 2
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REVISION RECORD

NO.	DATE	DESCRIPTION
1.	10/03/2021	REVISED PER CITY REVIEW DATED 11/03/2021
2.	01/18/2022	NO REVISION THIS SHEET FACILITY REVIEW DATED 03/17/2022

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SANDHYA & PRADIP SHAH
ROCAS HILL SUBDIVISION
7S345 COLUMBIA STREET
NAPERVILLE, ILLINOIS 60540

DETAILS - 4

DATE: 10/12/2021 DRAWN BY: SRH
 DWG SCALE: NONE CHECKED BY: JGC
 PROJECT NO: 312-670-AV00
 APPROVED BY: JGC

DRAWING NO: **C803**
 SHEET 12 OF 12