

SINGLE FAMILY SUBDIVISION

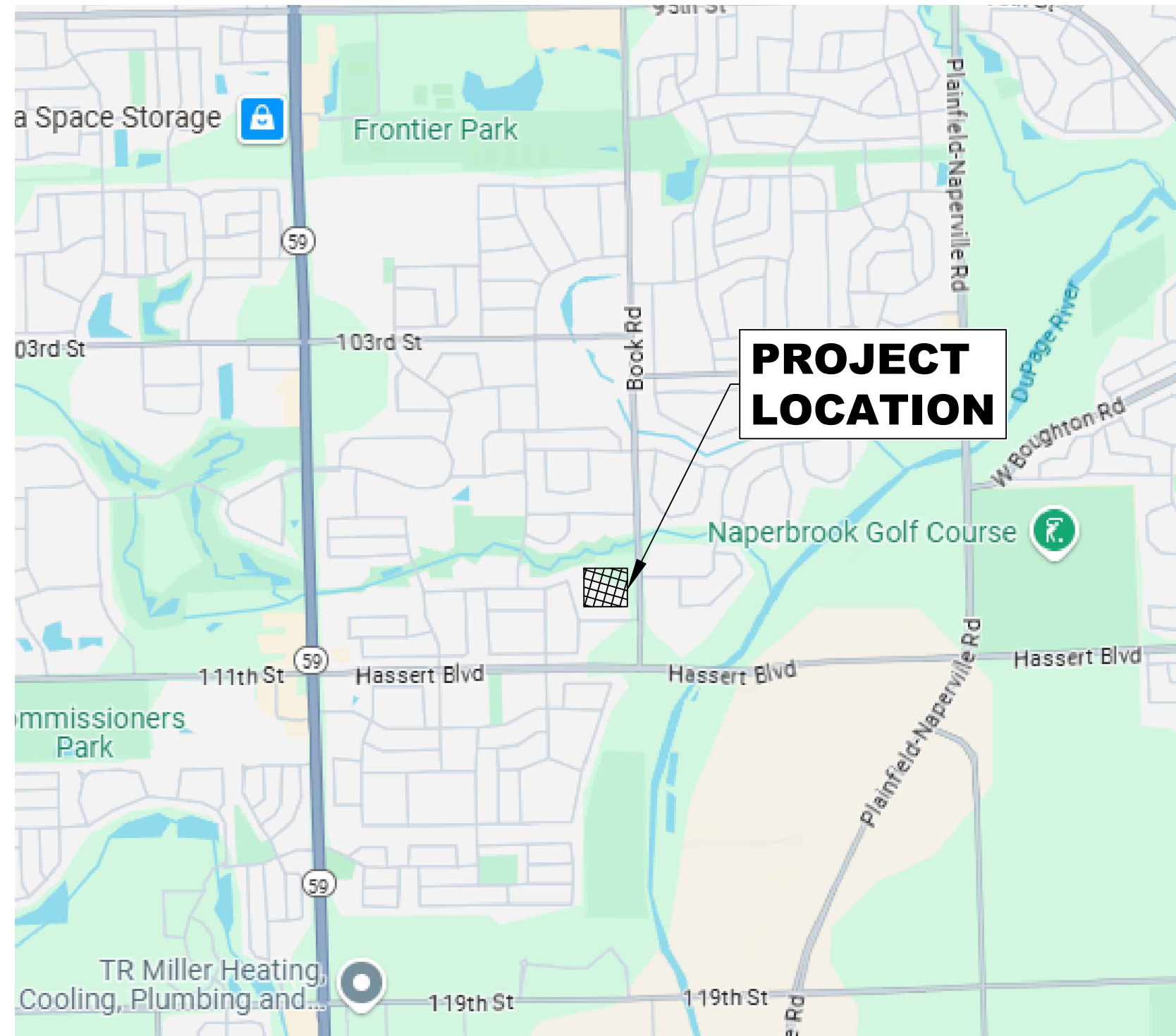
10846 S BOOK ROAD, UNINC. NAPERVILLE, IL 60564

JOB NO. W24300.00

JUNE 11, 2025

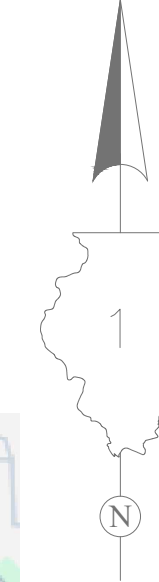
FINAL ENGINEERING

Sheet List Table	
Sheet Number	Sheet Title
C-1.0	COVER SHEET
C-2.0	GENERAL NOTES
C-2.1	GENERAL NOTES
C-2.2	GENERAL NOTES
C-3.0	EXISTING CONDITIONS PLAN
C-4.0	DEMOLITION PLAN
C-5.0	GEOMETRIC PLAN
C-5.1	PLAN & PROFILE
C-5.2	PLAN & PROFILE
C-6.0	UTILITY PLAN
C-7.0	GRADING PLAN
C-7.1	GRADING PLAN
C-8.0	SOIL EROSION & SEDIMENT CONTROL PLAN
C-8.1	SOIL EROSION & SEDIMENT CONTROL PLAN
C-8.2	SOIL EROSION & SEDIMENT CONTROL PLAN
C-9.0	CONSTRUCTION DETAILS
C-9.1	CONSTRUCTION DETAILS
C-9.2	CONSTRUCTION DETAILS
C-9.3	CONSTRUCTION DETAILS
C-9.4	CONSTRUCTION DETAILS
C-9.5	CONSTRUCTION DETAILS
C-9.6	CONSTRUCTION DETAILS



COUNTY: WILL
TOWNSHIP: 37N
RANGE: 9E
SECTION: 15

LOCATION MAP



PREPARED FOR:

OVERSTREET BUILDERS, INC.

3947 CALIENTE CR,
NAPERVILLE, IL 60564
(630) 226-0460 EXT 206

SITE BENCHMARK #1:
SOUTHWEST UPPER FLANGE BOLT ON FIRE HYDRANT
LOCATED ON THE EAST SIDE OF BOOK ROAD
APPROXIMATELY 55' SOUTH OF NORTH PROPERTY
LINE EXTENDED.

ELEV: 644.32 (NAVD 88)

SITE BENCHMARK #2:
NORTHWEST UPPER FLANGE BOLT ON FIRE HYDRANT
LOCATED ON THE EAST SIDE OF BOOK ROAD AT
APPROXIMATELY SOUTH PROPERTY LINE OF 10920
BOOK ROAD EXTENDED.

ELEV: 645.43 (NAVD 88)

It's smart It's free It's the law



**Call before
you dig
800.892.0123**



ENGINEERING
RESOURCE ASSOCIATES

2416 GALEN DRIVE
CHAMPAIGN, ILLINOIS 61821
PHONE (217) 351-6268
FAX (217) 355-1902

3S701 WEST AVENUE, SUITE 150
WARRENVILLE, ILLINOIS 60555
PHONE (630) 393-3060
FAX (630) 393-2152

10 S. RIVERSIDE PLAZA , SUITE 875
CHICAGO, ILLINOIS 60606
PHONE (312) 474-7841
FAX (312) 474-6099

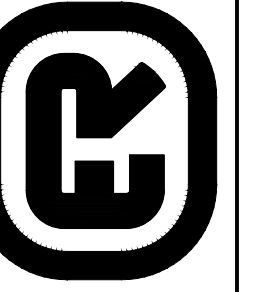
TO THE BEST OF OUR KNOWLEDGE AND BELIEF, THE DRAINAGE OF THE SURFACE WATERS WILL NOT BE CHANGED BY THE CONSTRUCTION OF THESE LOT IMPROVEMENTS OR ANY PART THEREOF, OR THAT IF SUCH WATER DRAINAGE WILL BE CHANGED, REASONABLE PROVISIONS HAVE BEEN MADE FOR THE COLLECTION AND DIVERSION OF SUCH WATERS INTO PUBLIC AREAS OR DRAINS WHICH THE OWNER HAS A RIGHT TO USE, AND THAT SUCH SURFACE WATERS WILL BE PLANNED FOR IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICES. SO THAT THE DEVELOPMENT SHALL NOT ADVERSELY INCREASE FLOOD ELEVATIONS OR DECREASE FLOOD CONVEYANCE CAPACITY UPSTREAM OR DOWNSTREAM OF THE PROJECT AREA.

Engineer: _____

Seal:

Nicholas A. Varchetto
IL. P.E. NO. 062-068622
Expires November 30, 2025

**ENGINEERING
RESOURCE ASSOCIATES**
35701 WEST AVENUE, SUITE 150
WARRENVILLE, ILLINOIS 60555
PHONE (630) 393-3060
FAX (630) 393-2152
www.eraconsultants.com



OVERSTREET BUILDERS, INC.
3947 CALIENTE CR, NAPERVILLE, IL 60564
(630) 726-0460 EXT. 206

SINGLE FAMILY
SUBDIVISION

DESCRIPTION:

PROJECT #	:	W24300.00
DESIGNED BY	:	MD
DRAWN BY	:	MD
CHECKED BY	:	NAV

C-1.0
SHEET

PROFESSIONAL DESIGN FIRM NUMBER: 184.001186

403.2.8 INSTALLING PIPE THROUGH CASINGS

This work shall be in conformance with Section 20-2.19 of the Standard Specifications for Water and Sewer Main Construction in Illinois, except as modified herein. Encasements for pipes under highways or railroads shall conform to the requirements of the City of Naperville, or the owner of the highway or railroad. Manufactured non-metallic or non-corrosive casing spacers, adjustable runners, or cradles shall be used to support the pipe in the casing and shall be installed per manufacturer's recommendations. A minimum of two supports shall be used per joint of pipe for lengths up to 12-1/2 feet, and a minimum of three supports shall be used per joint for lengths greater than 12-1/2 feet. The annular space shall be filled with pea gravel, low-strength grout, or cellular foam concrete and provisions shall be made so that no voids are left. The Contractor shall make arrangements to have a City of Naperville representative witness the annular spacing filling operations.

403.2.9 CORROSION PROTECTION - POLYETHYLENE ENCASEMENT

Polyethylene encasement is required for all underground installations of gray, ductile and cast iron pipe and other related appurtenances or water main. Polyethylene encasement shall be required unless a soils report submitted to the City by the Ductile Iron Pipe Research Association indicates that the soils in the area are not corrosive to iron pipe. Should corrosive soils be encountered during the installation of the pipe, then the pipe shall be encased in polyethylene wrap.

Installation shall be in accordance with ANSI/AWWA C105/A21.5-99 (or latest edition). The polyethylene encasement shall prevent contact between the pipe and the surrounding backfill and bedding material but is not intended to be a completely air and water tight enclosure.

Overlaps shall be secured by the use of approved adhesive tape, plastic string, or other material capable of holding the polyethylene encasement in place until backfilling operations are completed.

Three different methods for the installation of polyethylene encasement on pipe are acceptable. Methods A and B are for use with polyethylene tubes and method C for use with polyethylene sheets.

a) Method A

Cut the polyethylene tube to a length approximately two feet longer than that of the pipe section. Slip the tube around the pipe, centering it to provide a one foot overlap on each adjacent pipe section, and bunching it accordion fashion length-wise until it clears the pipe ends.

Lower the pipe into the trench and make up the pipe joint with the preceding section of pipe. A shallow bell hole must be made at joints to facilitate installation to the polyethylene tube.

After assembling the pipe joint, make the overlap of the polyethylene tube. Pull the bunched polyethylene from the preceding length of pipe, slip it over the end of the new length of pipe and secure in place. Then slip the end of the polyethylene from the new pipe section over the end of the first wrap until it overlaps the joint at the end of the preceding length of pipe.

Secure the overlap in place. Take up the slack width to make a snug, but not tight, fit along the barrel of the pipe, securing the fold at quarter points.

Repair any rips, punctures, or other damage to the polyethylene with adhesive tape or with a short length of polyethylene tube cut open, wrapped around the pipe and secured in place. Proceed with installation of the next section of pipe in the same manner.

b) Method B

Cut the polyethylene tube to a length approximately one foot shorter than that of the pipe section. Slip the tube around the pipe, centering it to provide six inches of bare pipe at each end. Make the polyethylene snug, but not tight; secure ends as described in Method A.

Before making up a joint, slip a three foot length of polyethylene tube over the end of the preceding pipe section, bunching it accordion fashion lengthwise. After completing the joint, pull the three foot length of polyethylene over the joint, overlapping the polyethylene previously installed on each adjacent section of pipe by at least one foot. Make the polyethylene snug and secure each end as described in Method A.

Repair any rips, punctures, or other damage to the polyethylene. Proceed with installation of the next section of pipe in the same manner.

c) Method C

Cut the polyethylene sheet to a length approximately two feet longer than that of the pipe section. Center the cut length to provide a one foot overlap on each adjacent pipe section, bunching it until it clears the pipe ends. Wrap the polyethylene around the pipe so that it circumventually overlaps the top quadrant of the pipe. Secure the cut edge of polyethylene sheet at intervals of approximately three feet.

Lower the wrapped pipe into the trench and create the pipe joint with the preceding section of pipe. A shallow bell hole must be made at joints to facilitate installation of the polyethylene. After completing the joint, make the overlap as described above.

Repair any rips, punctures or other damage to the polyethylene. Proceed with installation of the next section in the same manner.

Cover bends, reducers, offsets, and other pipe-shaped appurtenances with polyethylene in the same manner as the pipe. When valves, tees, crosses, and other odd-shaped pieces cannot be wrapped practically in a tube, wrap with a flat sheet or split length of polyethylene tube by passing the sheet under the appurtenance and bringing it up around the body. Make seams by bringing the edges together, folding over twice, and taping down. Handle width and overlaps at joints as described above. Tape polyethylene securely in place at valve stem and other penetrations.

403.3 VALVES

The minimum requirements for all valves shall, in design, material and workmanship, conform to AWWA C509-01 or AWWA C515-01 (or latest editions).

All valves shall be inspected upon delivery in the field to insure proper working order before installation. They shall be set and jointed to the pipe in the manner as set forth in the AWWA Standards for the type of connection ends furnished.

The valves shall be suitable for ordinary water works service and intended to be installed in a normal position on buried pipe lines or water distribution systems.

All valves shall be provided with a standard valve chamber so arranged that no shock will be transmitted to the valve and the box or vault opening shall be centered over the operation nut, and the cast iron cover shall be set flush with the road bed or finished surface.

403.4 TAPPING AND LINE STOP SLEEVES

Pressure tap connections shall be made in accordance with Standard Details and in accordance with Section 46 of the Standard Specifications for Water and Sewer Main Construction in Illinois.

Tapping sleeves of stainless steel shall not be used for "size on size" installations nor on water mains larger than 12 inches in size.

The outside surface of the existing main and the inner face of the tapping sleeve shall be disinfected with a 1 % chlorine solution.

403.5 INSERT VALVES

Insert valves shall be furnished with flanged inlet and connections having a machined projection on the flanges to mate with a machined recess on the outlet flanges of the tapping sleeves and crosses.

Insert valves shall be furnished for and installed in a horizontal conduit with the valve stem plumb over the center line of the pipe.

403.6 CURB BOXES

Curb boxes shall be capable of extensions and installed to finished grade, and shall conform to the depth of bury of the service line as provided in the Naperville Standard Detail 490.20. "Pigtails" on customer side of curb stop are not allowed.

403.7 VALVE BOXES

Adjustable cast iron valve boxes shall be set to position during backfilling operations so they will be in a vertical alignment to the valve operating stem. The lower casting of the unit shall be installed first in such a manner as to be cushioned and to not rest directly upon the body of the R/W valve or upon the water main. The upper casting of the unit shall then be placed in proper alignment into such an elevation that its top will be at final grade. Backfilling around both units shall be placed and compacted to the satisfaction of the Engineer. Valve boxes must be free of debris, centered over operating nut and easily key-able.

403.8 VALVE VAULTS

Seal tight valve vaults shall be pre-cast with a minimum diameter of 48 inches. For valves 12 inches and smaller, a concentric cone centered on the valve shall be provided. On butterfly valves and pressure connections, vaults shall be a minimum of 60 inches with eccentric cones installed so that the opening of the cone is placed as close to the centerline of the operation as possible.

A butyl mastic material (CONSEAL CS-102B or equal approved by the City Engineer) shall be used to provide a watertight seal between vault barrel sections, cone to barrel section, and the cone section to the adjusting ring or the frame.

Rubber boots/seals must be used where pipes enter manholes to provide a watertight connection where pipe enters. Elastomeric boots shall conform to ASTM C923-02 and ASTM A167-99(2004), or latest edition with stainless steel bands as manufactured by KOR-N-SEAL by NPC, PSX by Press-Seal Gasket Corporation or approved equal.

403.8.1 FRAME ADJUSTMENTS

Adjustments may be necessary to ensure that frames match the elevation of the surrounding pavement or ground surface. Preformed adjusting rings of the proper dimensions needed to mate the frame to the precast structure shall be used. No more than 12 inches of vertical adjustment may be made using the minimum practical number of individual rings.

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. Precast concrete rings, bricks, rocks, shims, or concrete blocks will not be allowed. Tapered adjusting rings shall be required when the frame will need to match the slope of the roadway.

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. A thick bead of non-hardening elastomeric joint sealant conforming to ASTM C-920, Type S, Grade NS, shall be applied between all individual rings, and between the adjusting rings and the frame. The sealant or mastic material shall be applied in such a manner that no surface water or ground water inflow can enter the structure. No dressing or tuckpointing mortar is allowed on the rings.

Frame adjustments shall be completed in accordance with Sections 602 and 603 of Standard Specifications for Road and Bridge Construction, prepared by the Illinois Department of Transportation, latest edition, except as noted herein.

403.9 FIRE HYDRANTS

These specifications are to be used in conjunction with the AWWA Standard C502-05 (or latest edition) for fire hydrants for ordinary water works service. Fire hydrants shall be installed at the locations shown on the approved engineering plans.

Hydrants shall be plumb and shall be set so that the center of the hydrant port is a minimum of 18 inches to a maximum of 24 inches above the surrounding finished grade ensuring the breakaway flange at proper ground height. All hydrants shall be inspected in the field upon delivery to the job to ensure proper operation before installation. A minimum of 1/4 cubic yard of washed coarse stone shall be placed at and around the base of the hydrant to ensure proper drainage of the hydrant after use. The blocking of the hydrant shall consist of a wedge of Portland cement concrete of not less than 1/4 cubic yard extending from the hydrant to undisturbed soil and shall be so placed to form a barrier adjacent to the hydrant base top to counteract the pressure of water exerted thereon. Care shall be taken to insure that weep holes are not covered by concrete. The hydrant shall be set on a concrete block to ensure a firm bearing for the hydrant base. The hydrant valve and tee shall be interconnected by stainless steel rods or approved retainer glands. Locking or restrained fittings may be substituted only after prior approval from the City Engineer. The resetting of existing hydrants and moving and reconnection of existing hydrants shall be handled in a manner similar to the new installation. Auxiliary valve shall be installed a minimum of 18 inches from the face of the hydrant. The contractor shall rotate and/or adjust the hydrants to the satisfaction of the department of Public Utilities. The hydrant settings shall follow the Naperville Standard Detail 490.06.

Fire hydrant should be bagged "NOT IN SERVICE" until all testing and disinfection has been completed and the new water main section is service.

403.10 THRUST BLOCKING AND TIE RODS

a) Blocking to prevent movement of lines under pressure at bends, tees, caps, valves (including inside vaults) and hydrants shall be Portland cement concrete, a minimum of 12 inches thick, placed between solid ground and the fittings (see Naperville Standard Detail 490.11) and shall be anchored in such a manner that pipe and fitting joints will be accessible for repairs. The Portland cement concrete shall meet or exceed a compressive strength of 3500 psi after 28 days.

b) All bends of 11-1/4 degrees or greater, and all tees, crosses and plugs shall be thrust protected to prevent movement of the lines under pressure as shown on the plans.

c) Where unstable soil and/or backfill conditions exist, it may be necessary to install thrust blocking at deflected sections as well as at fittings. If required by the City Engineer, deflection blocking shall be installed at a point approximately 1/5th of the pipe length each side of the coupling. Couplings/sleeves shall be restrained with approved retainer glands.

d) Tie rods shall be 5/8 inch diameter (minimum) stainless steel, grade 304. Eyebolts shall be high strength, low alloy steel.

e) Where conditions prevent the use of concrete thrust blocks, tied joints or restrained joints of a type approved by the City Engineer shall be used.

403.11 RETAINER GLANDS

The contractor may elect to use mechanical joint wedge action retainer glands in lieu of tie-rods. Installation shall be per manufacturers' recommended procedures, including length and/or number of joints to be restrained. Tied or restrained joints shall extend a minimum of two full pipe lengths back from the fitting.

Note: Thrust blocking shall be required behind fire hydrant assemblies in addition to the use of retainer glands and/or tie rods. The use of set screw type retainer glands shall not be permitted for use within the City of Naperville.

Use of approved retainer glands does not eliminate the need for thrust blocking at fittings and valves unless approved by the Department of Public Utilities after review of the appropriate supporting calculations.

404 INSPECTION AND TESTING

404.1 GENERAL INFORMATION

When extending an existing line, the contractor must chlorinate and pressure test both new and valved sections of existing lines in accordance with City standards.

For fire lines to buildings, the permanent valve must be in place prior to disinfection and sampling.

404.2 TESTING FOR TAPPING SLEEVES AND INSERT VALVES

Before a tapping sleeve is installed, the exterior of the main to be tapped, as well as the interior surface of the sleeve, shall be thoroughly cleaned and swabbed with a 1 percent hypochlorite solution.

After the surface disinfection, the tapping saddle or sleeve shall be mounted to the main and tapping valve to form a pressure-tight connection. The installation shall be pressure tested at operating pressure plus 50 percent, to insure the integrity of the installation. This shall be a hydrostatic test, introduced through a port on the tapping machine, or through a tapped mechanical joint plug on the outlet side of the tapping valve. The tapping machine and the tapping valve and sleeve assembly shall be externally supported so that no additional weight is placed upon the main(s).

Prior to installation, the insert valve shall be operated in the position that it will assume in service and for the full length of gate travel in both directions to demonstrate the free and perfect functioning of all parts in the intended manner. Any defects of workmanship shall be corrected and tested repeated until satisfactory performance is demonstrated.

404.3 PRESSURE TESTING

All newly laid water mains shall be subjected to a hydrostatic pressure test. Testing shall be in accordance with provision AWWA C-600-99 (or latest edition). Each valved section of pipe shall be slowly filled with water and flushed. The specified test pressure shall be applied by means of a pump connected to the pipe in a satisfactory manner. Water used shall be metered. The pump to pipe connection and all necessary apparatus including gauges and meters shall be furnished by the contractor. Before applying the specified test pressure, all air shall be expelled from the pipe. To accomplish this, taps shall be made, if necessary, at points of highest elevation and afterwards turned off and capped. All joints showing visible leaks shall be repaired or replaced until they are free from leaks. Any cracked or defective pipes, fittings, valves, or hydrants discovered in consequence of this pressure test shall be removed and replaced by the contractor with sound material and the test shall be repeated until satisfactory to the City Engineer. In no instance shall "Bell Joint Clamps" be permitted to repair leaks at push-on Joints.

a) The newly laid water mains or any valved sections of it shall be subjected to a hydrostatic pressure test of no less than 150 pounds per square inch (psi) or 50% more than the operating pressure, whichever is greater. The test pressure shall not vary by more than ± 5 psi.

b) The duration of each pressure test shall be for a period of not less than 4 hours.

c) The pressure test gauge shall be glycerin or oil filled, with a range of not more than 200 psi and increments not greater than 5 psi.

404.3.1 PERMISSIBLE LEAKAGE

a) Suitable means approved by the City Engineer shall be provided by the contractor for determining the quantity of water lost by leakage. The leakage test shall be conducted after satisfactory completion of the pressure test before being accepted.

b) Allowable leakage shall not be greater than that indicated in Table 400-3.

c) Leakage is defined as the quantity of water to be supplied in the newly laid pipe or any valved section under test which is necessary to maintain the specified leakage test pressure after the pipe has been filled with water and the air expelled.

d) Flanged pipes shall be watertight.

TABLE 400-3
ALLOWABLE LEAKAGE FOR HYDROSTATIC
PRESSURE TEST (150 PSI)

Nominal Pipe Diameter	Allowable Leakage (gallons/hour/1000 LF)
2"	0.19
3"	0.28
4"	0.37
6"	0.55
8"	0.74
10"	0.92
12"	1.10
14"	1.29
16"	1.47
18"	1.66
20"	1.84
24"	2.21

404.4 DISINFECTION (CHLORINATION)

404.4.1 FLUSHING

a) Sections of pipe to be disinfected shall first be flushed to remove any solids or contaminated material that may have become lodged in the pipe. If no hydrant is installed at the end of the main, then a tap should be provided large enough to develop a velocity of at least 2.5 feet per second in the main. One 2-1/2 inch diameter hydrant opening will, under normal pressure, provide this velocity in pipe sizes up to and including 12 inches. See Table 400-4 for additional sizes.

b) All taps required by the contractor for chlorination or flushing purposes or for temporary or permanent release of air, shall be provided by him as part of the construction of water mains. When completed, the copper tubing shall be removed and the corporation stop placed at the "off" position. After testing, all corporation stops in valve vaults shall be brass-capped to protect threads.

TABLE 400-4
MINIMUM ORIFICE SIZE (INCHES) TO
FLUSH WATER MAIN AT 2.5 FPS

Pipe Diameter	20	40	60	80	100
4"	1.11	0.94	0.85	0.79	0.75
6"	1.64	1.38	1.24	1.16	1.09
8"	2.23	1.88	1.69	1.58	1.49
10"	2.75	2.31	2.09	1.94	1.84
12"	3.34	2.81	2.54	2.37	2.24
14"	3.86	3.25	2.94	2.73	2.58
16"	4.31	3.63	3.28	3.05	2.88
18"	4.98	4.19	3.78	3.52	3.33
20"	5.53	4.65	4.20	3.91	3.70

NOTE: Standard hydrant nozzle sizes are 2.5 inch and 4.5 inch

404.4.2 DISINFECTION REQUIREMENTS

a) Before being placed into service, all new water mains and/or extensions to existing mains shall be chlorinated so that an initial chlorine residual of at least 50 ppm is present, and that a chlorine residual of not less than 25 ppm remains in the water after standing 24 hours in the pipe.

b) For extensions and/or connections equal to or less than one pipe length (< 18 ft), the new pipe, fittings and valve(s) required for the connection/extension may be spray or swab disinfected with a minimum 1 percent hypochlorite solution just prior to being installed.

c) Before a tapping sleeve is installed, the exterior of the main to be tapped, as well as the interior surface of the sleeve, shall be thoroughly cleaned and swabbed with a 1 percent hypochlorite solution.

d) Fire service lines requiring disinfection shall have the permanent position indicating valve (OS&Y or approved equal) installed on the fire sprinkler riser prior to disinfection.

404.4.3 FORM OF APPLIED CHLORINE

Chlorine shall be applied by one of the methods which follow, subject to approval by the City Engineer.

a) Liquid Chlorine - A chlorine gas-water mixture shall be applied by means of a solution-feed chlorinating device or the dry gas may be fed directly through proper devices for regulating the rate of flow and providing effective diffusion of the gas into the water within the pipe being treated. Chlorinating devices for feeding solutions of chlorine gas or the gas itself must provide means for preventing the back flow of water into the chlorine cylinder.

b) Chlorine-Bearing Compounds in Water - In certain instances, when the usage of chlorine gas is not practical, such as in congested or confined areas, upon approval of the City Engineer, a chlorine bearing compound of known chlorine content, prepared in solution form, may be substituted for chlorine gas.

404.4.4 POINT AND RATE OF APPLICATION

a) Point of application - The preferred point of application of the chlorinating agent is at the beginning of the pipeline extension or any valved section of it, and through a corporation stop inserted in the pipe. The water injector for delivering the chlorine-bearing water into the pipe should be supplied from a tap made on the pressure side of the gate valve controlling the flow into the pipe line extension. Alternate points of application may be used when approved or directed by the City Engineer.

b) Rate of Application - Water from the existing distribution system, or other approved source of supply shall be controlled to flow very slowly into the newly laid pipeline during the application of the chlorine. The rate of chlorine mixture flow shall be a constant feed and in such proportion to the rate of water entering the newly laid pipe that the dosage applied to the water will be at least 50 parts per million unless otherwise directed by the City Engineer.

c) Retention Period - Treated water shall be retained in the pipe at least 24 hours. After this period, the chlorine residual at pipe extremities and at other representative points shall be at least 25 parts per million.

d) Chlorinating Valves and Hydrants - After the process of chlorinating newly laid pipe, all valves internal to the isolated test section and other appurtenances shall be operated while the pipeline is filled with the chlorinating agent and under normal operating pressure.

e) Preventing Reverse Flow - Valves shall be manipulated so that the strong chlorine solution in the line being treated will not flow back into the existing distribution system supplying the water. Backflow valves are required on chorine equipment piping.

404.5 FINAL FLUSHING AND TESTING

a) Dechlorination/neutralization may be required by the City Engineer. The environment into which the chlorinated water is to be discharged shall be inspected. If there is any possibility that the chlorinated discharge will cause environmental damage, then a neutralizing chemical shall be added to the discharge water to thoroughly neutralize the chlorine residual remaining in the water (see AWWA C651-05, or latest edition, Appendix B).

b) Following chlorination, all treated water shall be thoroughly flushed from the newly laid pipe at its extremity until the replacement water throughout its length shows, upon test, a residual not in excess of that carried in the source of supply.

c) After flushing, water samples collected on 2 successive work days from the treated piping system, as directed by the City Engineer, shall show satisfactory bacteriological results. Water main shall not be flushed to obtain the second day sample. Bacteriological analysis must be performed by a laboratory approved by the Director of the Illinois Department of Public Health and the City Engineer. A minimum of two samples is required. The actual number of samples will be determined by the City Engineer.

d) Should the initial treatment result in an unsatisfactory bacterial test, the original chlorination procedure shall be repeated by the contractor until satisfactory results are obtained.

e) Naperville Department of Public Utilities must be notified at least 48 hours prior to flushing. New water mains, including pressure tap valves, connected to an existing water main, and existing water main valves shall only be operated by Naperville Department of Public Utilities personnel.

DATE : 04-16-2025

PROJECT # : W24300.00

DESIGNED BY : MD

DRAWN BY : MD

CHECKED BY : NAV

GENERAL NOTES

C-2.1
SHEET

ADDENDUM #1

06-11-2025

DESCRIPTION:

G:\PROJECTS\OverstreetBuilders\W24300.00 10846 S Book Rd, UnionMico Naperville\CADD\NSHEET\SITE DEVELOPMENT\W24300.00.dht C-2.0 General Notes.dwg

ENGINEERING
RESOURCE ASSOCIATES

35701 WEST AVENUE, SUITE 150
NAPERVILLE, ILLINOIS 60555
PHONE (630) 793-2900
FAX (630) 793-2152
www.enrassociates.com

OVERSTREET BUILDERS, INC.

3947 CALENTE CR, NAPERVILLE, IL 60564
(630) 226-0460 EXT 206

SINGLE FAMILY
SUBDIVISION

10826-10846 BOOK ROAD, NAPERVILLE, IL 60546

PROFESSIONAL DESIGN FIRM NUMBER: 184.001186

WATER UTILITES GENERAL NOTES

- New water main valves, including pressure tap valves, adjacent to an existing water main, and existing water main valves shall only be operated by the City of Naperville, Department of Public Utilities CEE/CM Division personnel with 48-hour notice (Monday-Friday). Contact Naperville TED Business Group at 630-420-6082 for scheduling.
- b. Any existing utility structures requiring adjustment or reconstruction shall be completed by the contractor to the satisfaction of the utility owner. Adjustments and/or reconstructions not called for on the plans shall be considered incidental to the contract. No more than a total of 12 inches of adjusting rings and/or 2 adjusting rings shall be allowed. All structure frames shall be flush with final grade.
- c. Trees shall be installed a minimum of five (5) feet horizontally from underground electrical feeders, sanitary sewers, sanitary services, water mains, and water services. Trees shall be installed a minimum of ten (10) feet horizontally from utility structures and appurtenances, including, but not limited to, manholes, valve vaults, valve boxes and fire hydrants. No trees, shrubs or obstacles will be allowed 10' in front of, 5' on the side and 7' to the rear of the electrical transformer.
- d. All retainer glands when required to restrain valves, fittings, hydrants, and pipe joints shall be mechanical joint wedge action type MEGALUG 1100 Series as manufactured by EBBA Iron, Inc. or UNI-FLANGE BLOCKBUSTER 1400 SERIES as manufactured by Ford Meter Box Co. and shall be for use on ductile iron pipe conforming to ANSI/AWWA C151/A21.51, for nominal pipe sizes 3" through 48".
- 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. All ductile iron pipe is to be encased in polyethylene film Polyethylene encasement to be installed in accordance with ANSI/AWWA C105/A21.5-05.
- h. A set of as-built record drawing shall be given to the City of Naperville upon completion of improvements showing the elevation and location (tied to two points) of all new and existing structures including fire hydrants, valve boxes and vaults, linestop sleeves, water service corporation stops, water main fittings/bends, manholes, sanitary service wyes (measured from downstream manhole), and abandoned water or sanitary service lines. All elevations should be referenced to the same benchmark datum as the original design plans. Horizontal ties shall be referenced to lot lines, back of curb, or property corners.
- i. All sanitary sewer piping shall be PVC pipe meeting the requirements of ASTM D-2241 with joints conforming to ASTM D-3139. All sanitary sewer fittings shall be PVC meeting the following requirements: 4" to 12" shall be Injection Molded Fittings meeting ASTM D-2241. Greater than 12" shall be Fabricated Fittings meeting ASTM D-2241 or C905. Minimum pressure rating shall be 150 psi.
- j. The valves less than 16" shall be standard pattern, gate valves and shall have the name or mark of the manufacturer, size and working pressure plainly cast in raised letters on the valve body. Valves may be approved from one of the following manufacturers: American, Clow, Watrous or Kennedy.
- k. 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 repair with field applied approved anti-seize compound that is a molybdenum-base lubricant, Bostik Nevers-Seez or approved equal.
- 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. Test pressure shall be no less than 150 psi for a period of 4 hours and not vary by more than ± 5 psi, during the test. The test gauge shall be approved by the City and shall be glycerin or oil filled, with a range of not more than 200 psi and increments not greater than 5 psi, 4" minimum dial size. Water recovery test shall be completed at the end of the testing period to show actual leaking and that the water main did not have too much trapped air in the tested section.
- n. The City of Naperville Public Utilities does not guarantee that any valve or fitting in the existing water distribution system will hold against a hydrostatic/leakage test. The Contractor is solely responsible for providing and acceptable pressure test which shall include provisions around existing valves and fittings.
- o. Fire hydrant should be bagged "NOT IN SERVICE" until all testing and disinfection has been completed and new water main section is service.
- p. Sanitary sewer 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, Latest Edition.
- q. All valve boxes, vaults, hydrants, and manholes shall not be covered with construction debris and shall remain accessible to the respective utility company.
- r. 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.
- s. All sanitary manholes shall be tested for leakage by vacuum testing. The manhole frame and adjusting rings shall be in place when testing. Any leaks shall be repaired from exterior of manhole - patching inside of manhole shall not be acceptable. A vacuum of 10" (254 mm) Hg shall be placed on the manhole and the time shall be measured for the vacuum to drop to 9" (229 mm) Hg. The vacuum shall not drop below 9" (229 mm) Hg for the following time periods for each size of manhole:
- a) 48-inch diameter - 60 seconds
 - b) 60-inch diameter - 75 seconds
 - c) 72-inch diameter - 90 seconds
 - d) 84-inch diameter - 105 seconds

t. The contractor shall provide internal televised inspection of all installed sanitary sewer, laterals, manholes and connections to the public system. Following completion of televising work, the contractor shall submit video recordings on DVD or flash drive along with a comprehensive televising report which will indicate the location, footages and nature of any defects. Prior to final acceptance, these defects shall be repaired to the satisfaction of the Water/Wastewater Utility and re-televised.

u. Contractor work hours are only allowed from 7:00 a.m. to 5:00 p.m.,

u. Contractor work hours are only allowed from 7:00 a.m. to 5:00 p.m.,

Monday through Saturday. No work shall be permitted on Sundays.

- v. Sanitary pipes with less than 4 feet or more than 25 feet of cover shall be constructed of ductile iron piping (Class 50, minimum) and encased in polywrap.
- 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 and underground facilities. In areas where foundations and underground facilities are proposed adjacent to existing utilities, the contractor shall pot hole by vacuum excavation or hand excavation to locate the existing utility to verify minimum clearance requirement.
- y. Fences shall be installed a minimum of 5 feet from any water or sanitary mains when running parallel with them. Where fences are installed crossing water or sanitary mains, the posts shall be located to have the main between them.
- z. All brass components shall be certified to be lead free in compliance with NSF 61 and NSF 372 and identified with applicable markings.
- aa. **Sanitary Force Main** - Force main shall be tested a minimum of 1 hour at 1.5 the shut off head of the pump, 2.5 times the operating pressure, or 20 psi whichever is greatest. Allowable leakage shall be in accordance with section 41-2.14C of the standard specifications for water and sewer construction.

OVERSTREET BUILDERS, INC.

394/ CALIENTE CR, NAPERVILLE, IL 60564
(630) 226-0460 EXT 206

**SINGLE FAMILY
SUBDIVISION**

10826-10846 BOOK ROAD, NAPERVILLE, IL 60546

06-11-2025
ADDENDUM #1

DATE : 04-16-2025

PROJECT # : W24300.00

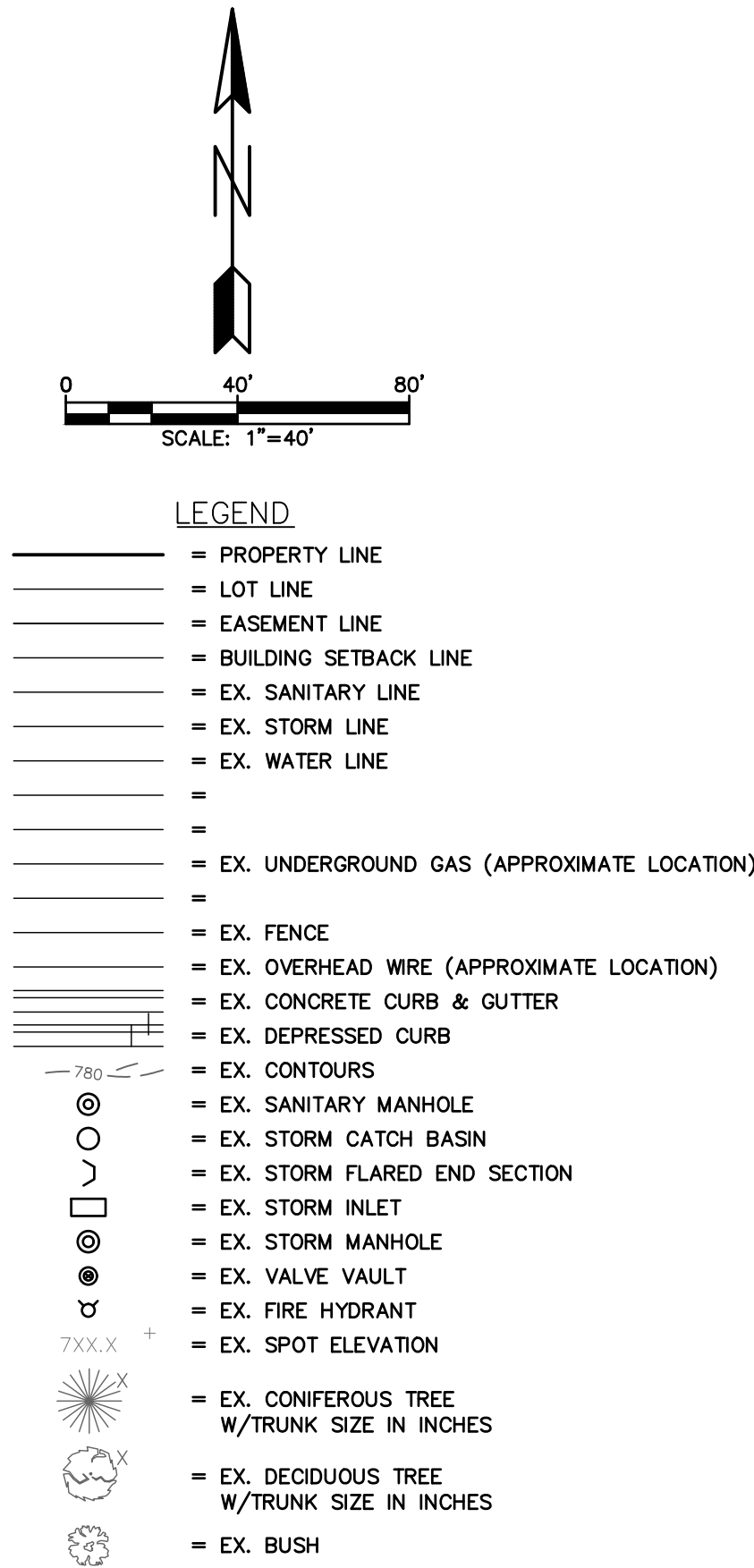
DESIGNED BY: MD

DESCRIPTION:

GENERAL NOTES

C-2.1
SHEET

C-2.1
SHEET



Sheet 32 for limits
Fabric Formed Concrete
ement Mat and RipRap
ation.

Embank
to all ca

STAGING INSTRUCTION:
No staging will be necessary as
Roadway will be closed during construct

SCOPE OF WORK:
Remove the existing structure.
Construct the new structure.
to salvage.

SITE BENCHMARK #1:
SOUTHWEST UPPER FLANGE BOLT ON FIRE HYDRANT
LOCATED ON THE EAST SIDE OF BOOK ROAD
APPROXIMATELY 55' SOUTH OF NORTH PROPERTY
LINE EXTENDED.

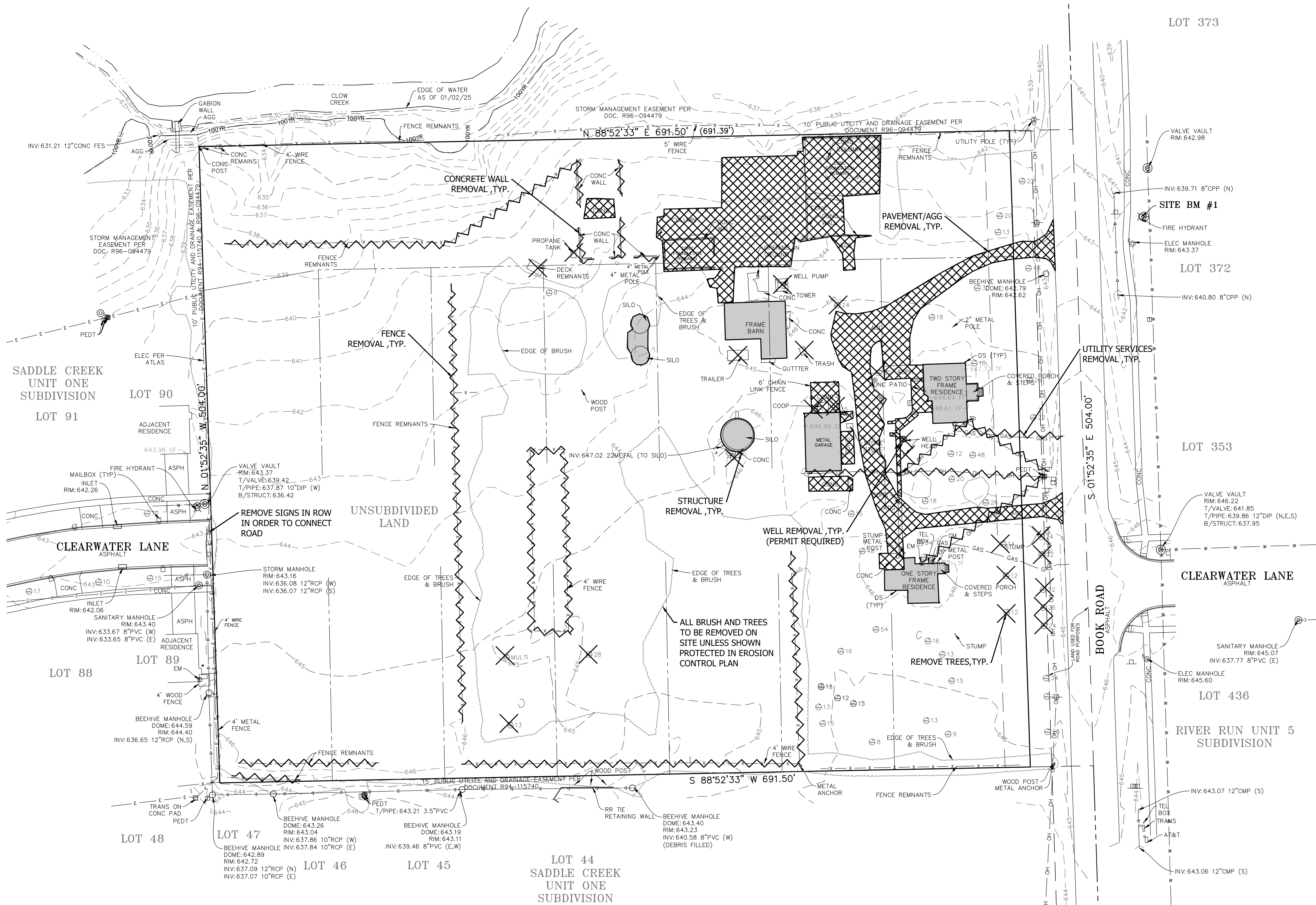
ELEV: 644.32 (NAVD 88)

SITE BENCHMARK #2:
NORTHWEST UPPER FLANGE BOLT ON FIRE HYDRANT
LOCATED ON THE EAST SIDE OF BOOK ROAD AT
APPROXIMATELY SOUTH PROPERTY LINE OF 10920
BOOK ROAD EXTENDED.

ELEV: 645.43 (NAVD 88)

SNOW NOTE

THE ABOVE DESCRIBED PROPERTY WAS MEASURED DURING A PERIOD OF SNOW/ICE COVER. EVERY EFFORT WAS MADE BY ENGINEERING RESOURCE ASSOCIATES TO ACCURATELY LOCATE ANY AND ALL IMPROVEMENTS, ADDITIONS, ETC., (SPECIFICALLY THOSE WHICH MAY ENCROACH UPON PROPERTY LINES.) SOME ITEMS WHICH ARE CLEARLY WITHIN THE PROPERTY LINE BOUNDARIES MAY NOT HAVE BEEN OBSERVED DUE TO THE SNOW COVER.

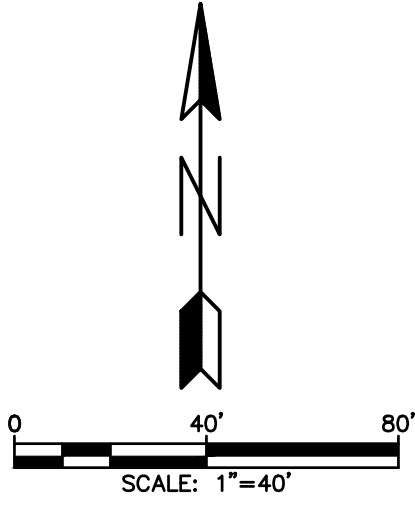


DEMOLITION NOTES

1. TOPSOIL STRIPPING TO OCCUR PRIOR TO OTHER DEMOLITION ACTIVITIES, TOPSOIL NEEDED FOR FINAL LANDSCAPING SHALL BE STOCKPILED ON-SITE, ALL EXTRA TOPSOIL SHALL BE REMOVED BY THE CONTRACTOR.
2. EROSION CONTROL MEASURE (AS SHOWN ON THE EROSION CONTROL PLANS) WILL BE IN PLACE AND APPROVED BY THE ENGINEER PRIOR TO ANY CONSTRUCTION ACTIVITIES BEGIN.
3. CONTRACTOR SHALL REMOVE EVERYTHING NECESSARY TO COMPLETE THE NEW SITE WORK. LABELS ARE FOR CONVENIENCE ONLY AND THE CONTRACTOR SHALL VERIFY REMOVALS PRIOR TO BIDDING THE PROJECT.
4. CONTRACTOR SHALL CAREFULLY MAINTAIN PRESENT GRADE AT BASE OF ALL EXISTING TREE TO REMAIN AND PREVENT ANY DISTURBANCE OF EXISTING TREES. CONTRACTOR TO PROTECT EXISTING TREE TO REMAIN IN PLACE AGAINST UNNECESSARY CUTTING, BREAKING OR BRANCHES OR EXCAVATION AND CONSTRUCTION MATERIALS WITHIN THE DRIP LINE.
5. CONTRACTOR SHALL REMOVE EVERYTHING NECESSARY TO COMPLETE THE NEW SITE WORK. LABELS ARE FOR CONVENIENCE ONLY AND THE CONTRACTOR SHALL VERIFY REMOVALS PRIOR TO BIDDING THE PROJECT. LIMITS OF REMOVALS IN THE ROW SHOULD BE LIMITED TO WHAT IS SHOWN ON THE PROPOSED PLAN.
6. CONTRACTOR TO VERIFY ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION AND INFORM ENGINEER OF ANY DISCREPANCIES OR UNDISCOVERED UTILITIES.

LEGEND:

- TREE REMOVAL
- PAVEMENT/AGG REMOVAL
- CURB & GUTTER REMOVAL
- STRUCTURE REMOVAL



PROFESSIONAL DESIGN FIRM NUMBER: 184.001186

ENGINEERING
RESOURCE ASSOCIATES
35701 WEST AVENUE, SUITE 150
NAPERVILLE, IL 60563
PHONE (630) 393-3300
FAX (630) 393-3152
www.erasconsultants.com

OVERSTREET BUILDERS, INC.
3947 CALIENTE CIRCLE, NAPERVILLE, IL 60564
(630) 226-0460 EXT 206

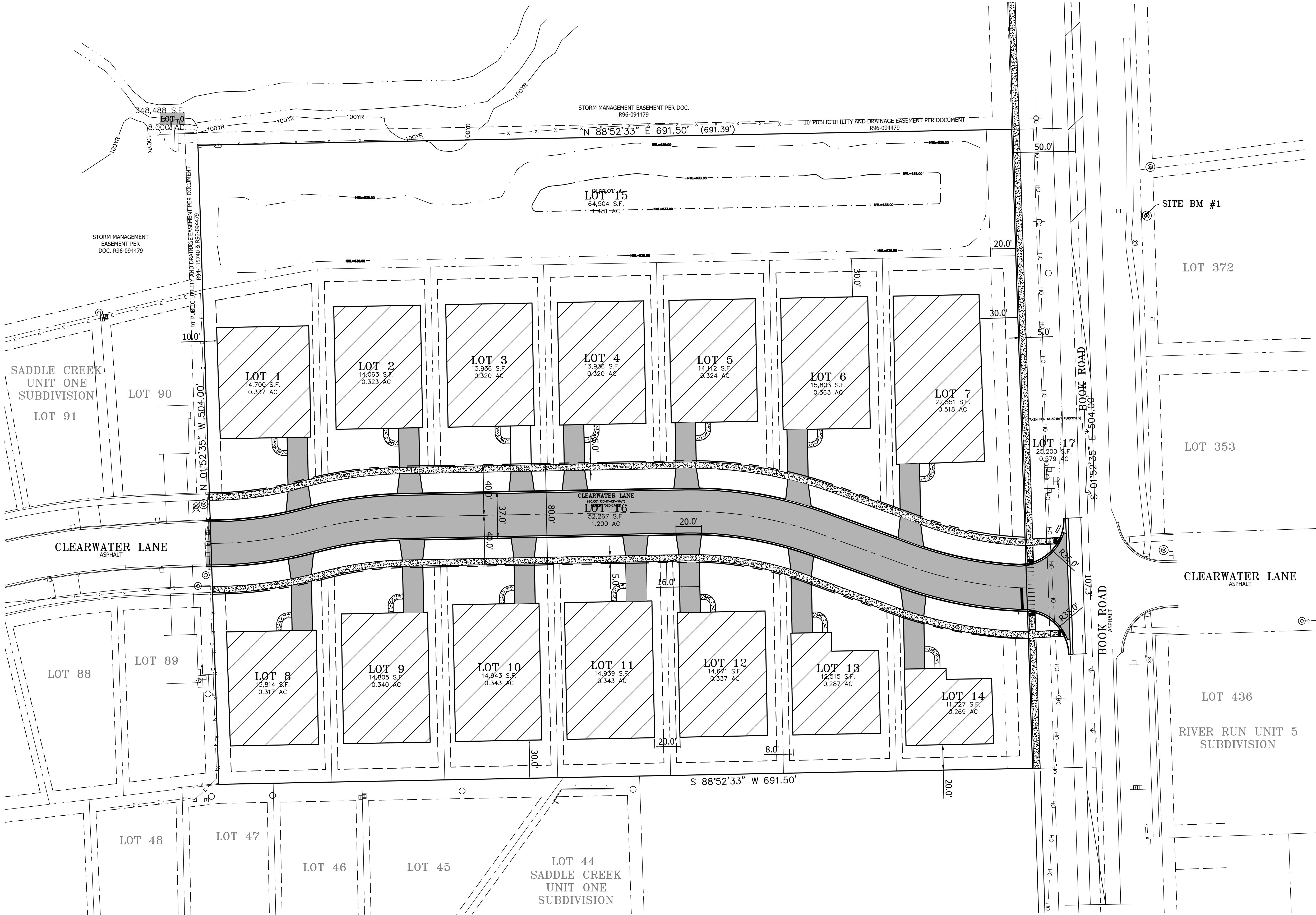
SINGLE FAMILY
SUBDIVISION
10826-10846 BOOK ROAD, NAPERVILLE, IL 60546

DATE	06-11-2025
PROJECT #	W24300.00
DESIGNED BY	MD
DRAWN BY	MD
CHECKED BY	NAV

DATE	04-16-2025
PROJECT #	W24300.00
DESIGNED BY	MD
DRAWN BY	MD
CHECKED BY	NAV

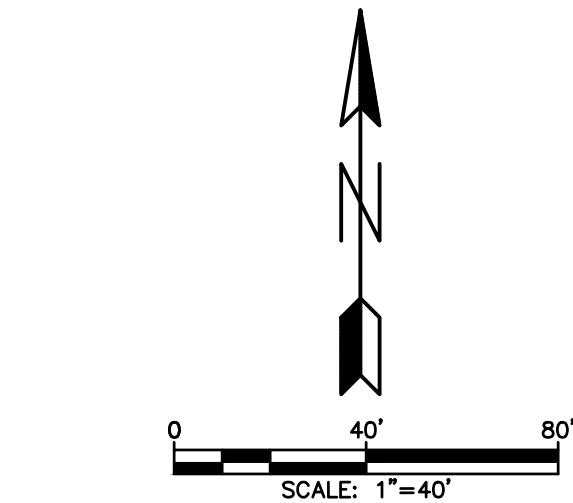
DEMOLITION
PLAN
C-4.0
SHEET

G:\PROJECTS\OverstreetBuilders\W24300.00 10846 S Book Rd, Naperville\Site Development\W24300.00.dwg C-4.0 Demolition Plan.dwg

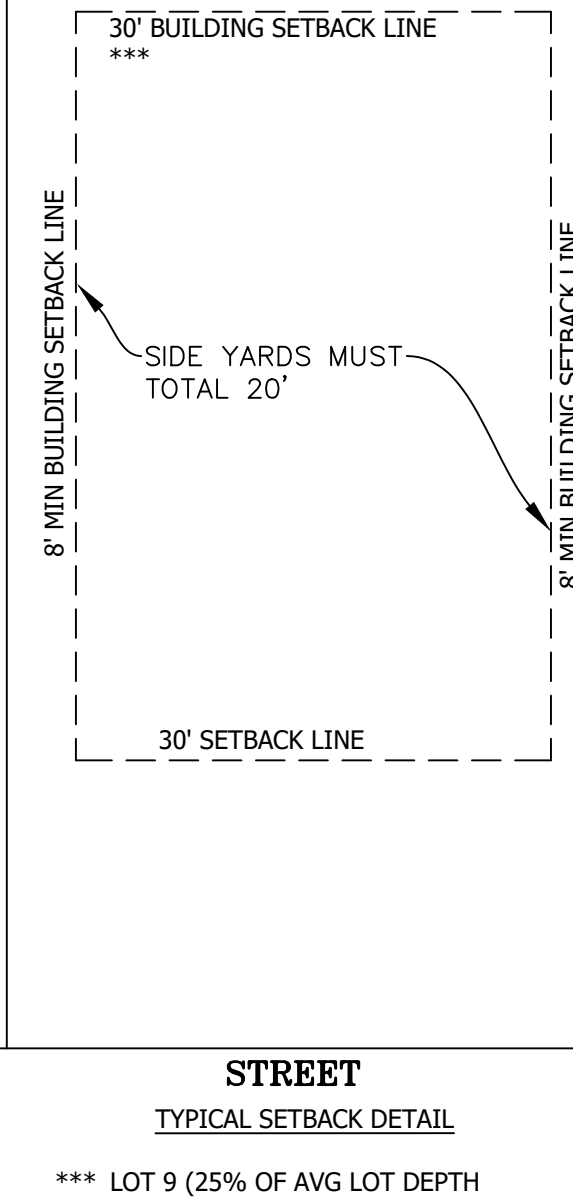


- GEOMETRY NOTES:
- ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD. THE CONTRACTOR WILL NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
 - COORDINATE WITH ARCHITECTURAL PLANS, GRADING PLANS, UTILITY PLANS, & ALL CONSTRUCTION DETAILS.
 - ALL WORK AND OPERATIONS SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES AND ORDINANCES.
 - LAYOUT OF ALL NEW PAVING SHALL BE SMOOTH AND CONTINUOUS, DEFLECTION IN ALIGNMENT OR ABRUPT CHANGES WILL NOT BE ACCEPTED. ENGINEER SHALL REVIEW STAKED LAYOUT AND FRAMEWORK PRIOR TO PAVING OPERATIONS.
 - THE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES ON WHICH THE WORK IS BEING DONE CLEAR OF RUBBISH AND DEBRIS.
 - THE CONTRACTOR WILL NOT INTERFERE WITH USE OF ADJACENT BUILDINGS, PARKING LOTS, STREETS, OR ALLEYS WITHOUT PRIOR COORDINATION WITH THE OWNER OR THE CITY OF NAPERVILLE.
 - MEET THE LINE AND GRADE OF NEW PAVEMENT AND/OR LAWN AND PLANTING AREAS WITH THE LINE AND GRADE OF THE EXISTING PAVEMENT AND/OR LAWN AND PLANTING AREAS.
 - SEE CONSTRUCTION DETAILS FOR ALL CIVIL DETAILS.

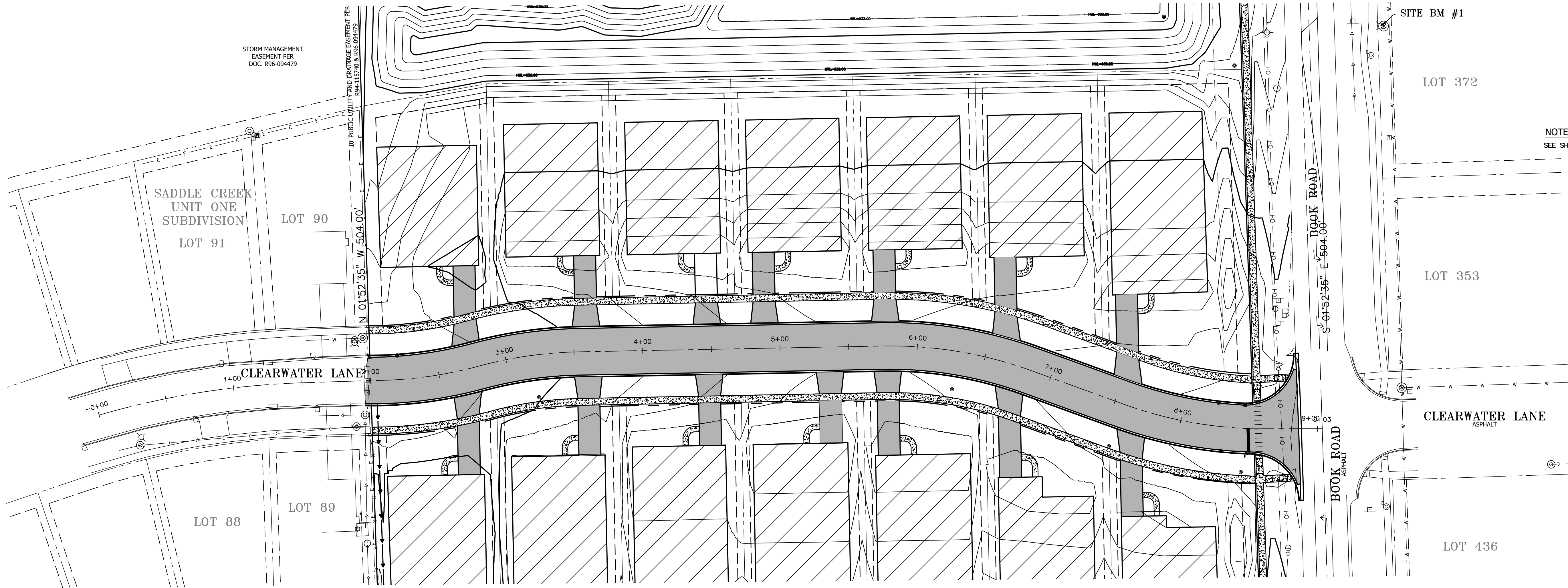
IMPERVIOUS DATA:	
ROADWAY & CURB:	25,456 SQ.FT.
POTENTIAL BUILDING AREA:	95,305 SQ.FT.
ESTIMATED D-WAYS:	12,453 SQ.FT.
SIDEWALK (ROW):	10,600 SQ.FT.
SIDEWALK (LOT):	1,069 SQ.FT.
NET IMPERVIOUS AREA:	144,883 SQ.FT.
OVERALL PROPERTY AREA:	323,288 SQ.FT. (7.4 AC)
***LESS DEDICATED BOOK ROW	



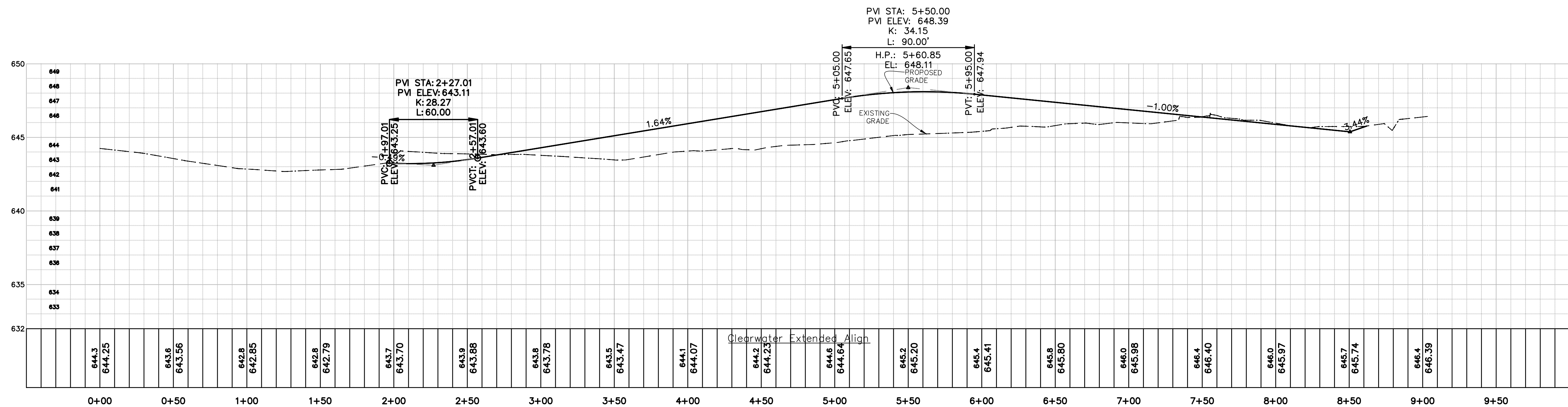
PROFESSIONAL DESIGN FIRM NUMBER: 184.001186

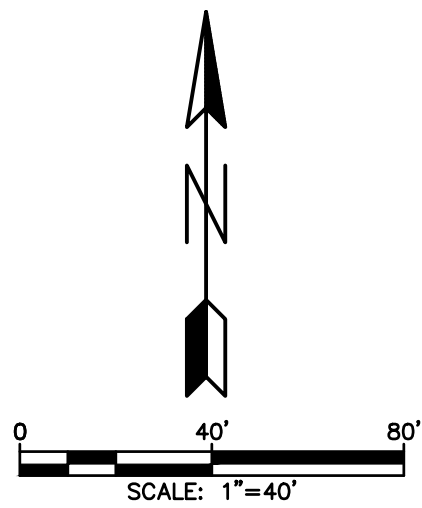


LEGEND:	
	PCC SIDEWALKS (SEE DETAILS)
	HMA PAVEMENT (SEE DETAIL FOR ROAD & D-WAY)
	TYPE B-6.12 CONCRETE CURB & GUTTER
	DEPRESSED CURB & GUTTER
	DETECTABLE WARNINGS
	STOP BAR & STOP SIGN
	POTENTIAL BUILDING AREA (USED AS IMPERVIOUS)
	PROPOSED CENTERLINE
	PROPOSED ROW
	EXISTING ROW
	PROPOSED EASEMENT
	PROPOSED LOT LINE

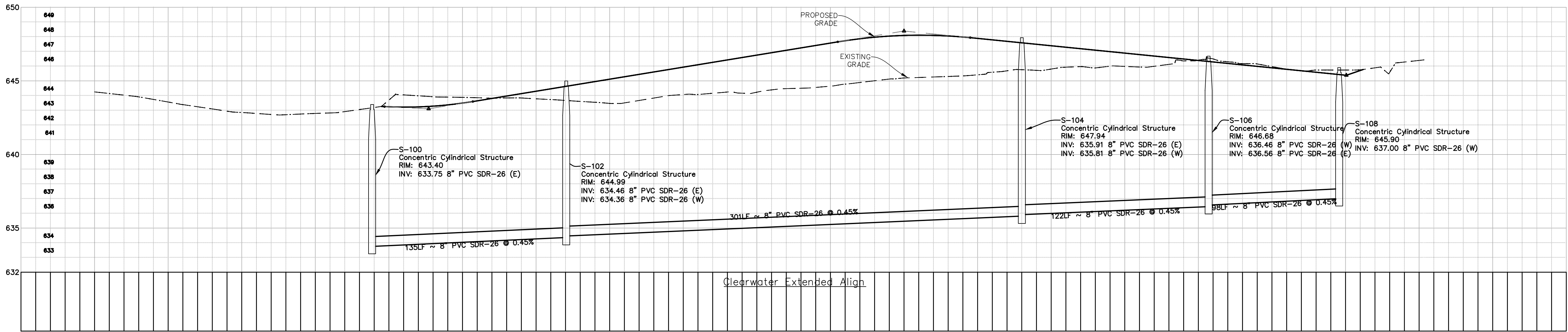


NOTES:
SEE SHEET C-6.0 FOR UTILITY NOTES AND LEGEND

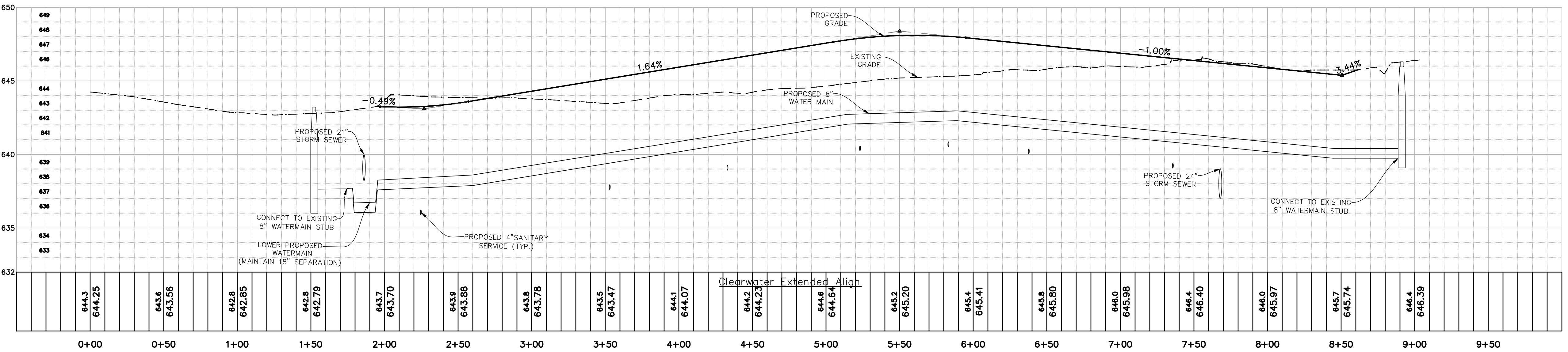




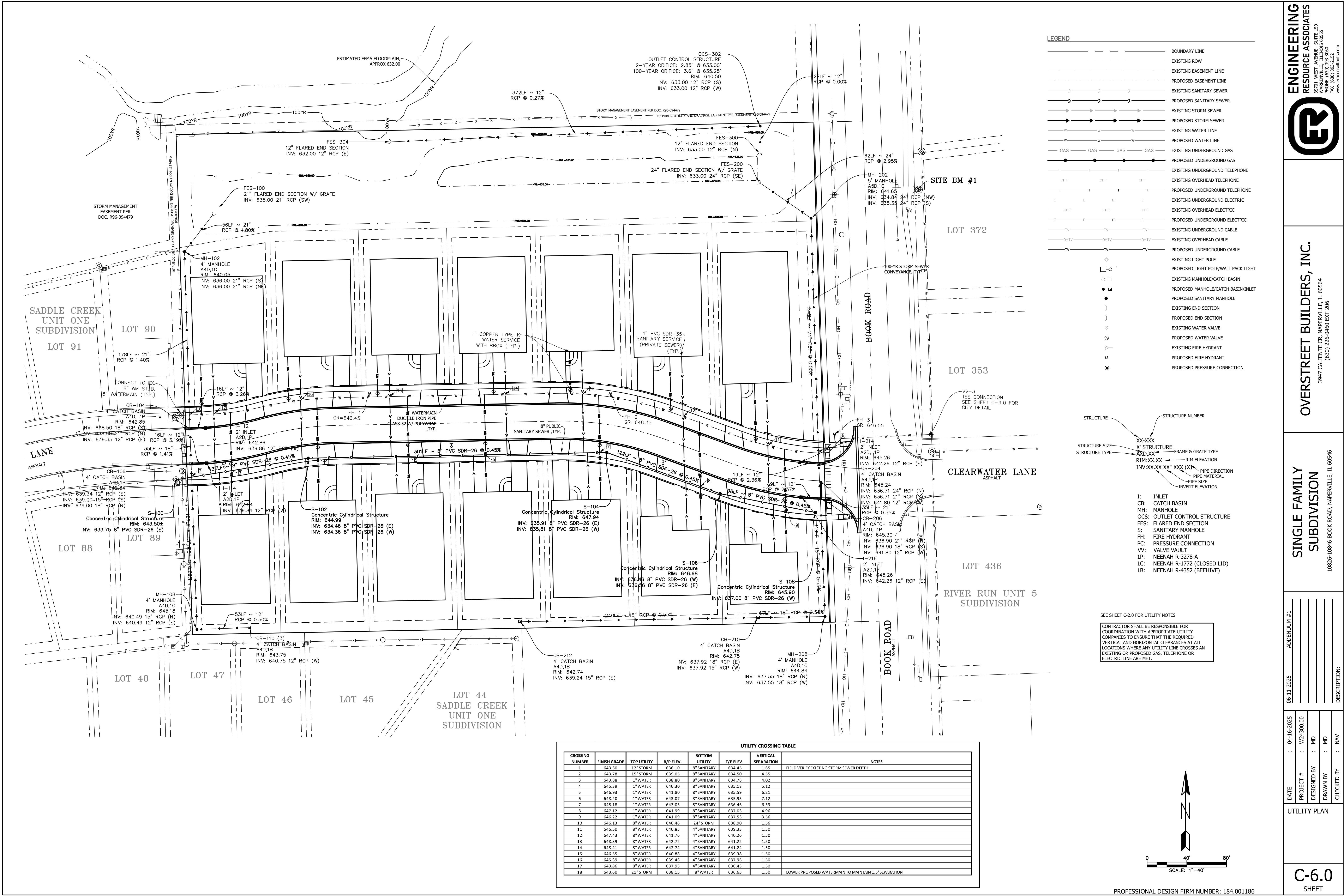
NOTES:
SEE SHEET C-6.0 FOR UTILITY NOTES AND LEGEND



PROPOSED 8" SANITARY SEWER PROFILE
H: 1"=4'
V: 1"=40'



PROPOSED 8" WATERMAIN PROFILE
H: 1"=4'
V: 1"=40'



LEGEND

---	BOUNDARY LINE
- - - -	EXISTING ROW
- - - -	EXISTING EASEMENT LINE
- - - -	PROPOSED EASEMENT LINE
- - - -	EXISTING SANITARY SEWER
- - - -	PROPOSED SANITARY SEWER
- - - -	EXISTING STORM SEWER
- - - -	PROPOSED STORM SEWER
- - - -	EXISTING WATER LINE
- - - -	PROPOSED WATER LINE
- - - -	EXISTING UNDERGROUND GAS
- - - -	PROPOSED UNDERGROUND GAS
- - - -	EXISTING UNDERGROUND TELEPHONE
- - - -	PROPOSED UNDERGROUND TELEPHONE
- - - -	EXISTING OVERHEAD TELEPHONE
- - - -	PROPOSED OVERHEAD TELEPHONE
- - - -	EXISTING UNDERGROUND ELECTRIC
- - - -	PROPOSED UNDERGROUND ELECTRIC
- - - -	EXISTING OVERHEAD ELECTRIC
- - - -	PROPOSED OVERHEAD ELECTRIC
- - - -	EXISTING UNDERGROUND CABLE
- - - -	PROPOSED UNDERGROUND CABLE
- - - -	EXISTING OVERHEAD CABLE
- - - -	PROPOSED OVERHEAD CABLE
- - - -	EXISTING LIGHT POLE
- - - -	PROPOSED LIGHT POLE/WALL PACK LIGHT
- - - -	EXISTING MANHOLE/CATCH BASIN
- - - -	PROPOSED MANHOLE/CATCH BASIN/INLET
- - - -	PROPOSED SANITARY MANHOLE
- - - -	EXISTING END SECTION
- - - -	PROPOSED END SECTION
- - - -	EXISTING WATER VALVE
- - - -	PROPOSED WATER VALVE
- - - -	EXISTING FIRE HYDRANT
- - - -	PROPOSED FIRE HYDRANT
- - - -	PROPOSED PRESSURE CONNECTION

STRUCTURE

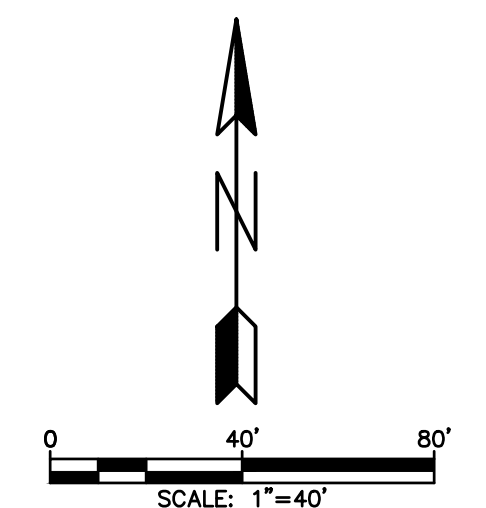
STRUCTURE NUMBER: XX-XXX
STRUCTURE SIZE: XX'X'
STRUCTURE TYPE: X' STRUCTURE
RIM: XX.XX
INV: XX.XX
XX' (X) PIPE DIRECTION
PIPE MATERIAL
PIPE SIZE
INVERT ELEVATION

I: INLET
CB: CATCH BASIN
MH: MANHOLE
OCS: OUTLET CONTROL STRUCTURE
FES: FLARED END SECTION
S: SANITARY MANHOLE
FH: FIRE HYDRANT
PV: PRESSURE CONNECTION
VC: VALVE VAULT
1P: NEENAH R-3278-A
1C: NEENAH R-1772 (CLOSED LID)
1B: NEENAH R-4352 (BEEHIVE)

SEE SHEET C-2.0 FOR UTILITY NOTES

CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH APPROPRIATE UTILITY COMPANIES TO ENSURE THAT THE REQUIRED VERTICAL AND HORIZONTAL CLEARANCES AT ALL LOCATIONS WHERE ANY UTILITY LINE CROSSES AN EXISTING OR PROPOSED GAS, TELEPHONE OR ELECTRIC LINE ARE MET.

UTILITY CROSSING TABLE							
CROSSING NUMBER	FINISH GRADE	TOP UTILITY	B/P ELEV.	BOTTOM UTILITY	T/P ELEV.	VERTICAL SEPARATION	NOTES
1	643.60	12" STORM	636.10	8" SANITARY	634.45	1.65	FIELD VERIFY EXISTING STORM SEWER DEPTH
2	643.78	15" STORM	639.05	8" SANITARY	634.50	4.55	
3	643.88	1" WATER	638.80	8" SANITARY	634.78	4.02	
4	645.39	1" WATER	640.30	8" SANITARY	635.18	5.12	
5	646.93	1" WATER	641.80	8" SANITARY	635.59	6.21	
6	648.20	1" WATER	643.07	8" SANITARY	635.95	7.12	
7	648.18	1" WATER	643.05	8" SANITARY	636.46	6.59	
8	647.12	1" WATER	641.99	8" SANITARY	637.03	4.96	
9	646.22	1" WATER	641.09	8" SANITARY	637.53	3.56	
10	646.13	8" WATER	640.46	24" STORM	638.90	1.56	
11	646.50	8" WATER	640.83	4" SANITARY	639.33	1.50	
12	647.43	8" WATER	641.76	4" SANITARY	640.26	1.50	
13	648.39	8" WATER	642.72	4" SANITARY	641.22	1.50	
14	648.41	8" WATER	642.74	4" SANITARY	641.24	1.50	
15	646.55	8" WATER	640.88	4" SANITARY	639.38	1.50	
16	645.39	8" WATER	639.46	4" SANITARY	637.96	1.50	
17	643.86	8" WATER	637.93	4" SANITARY	636.43	1.50	
18	643.60	21" STORM	638.15	8" WATER	636.65	1.50	
LOWER PROPOSED WATERMAIN TO MAINTAIN 1.5' SEPARATION							



ENGINEERING
RESOURCE ASSOCIATES
35701 WEST AVENUE, SUITE 150
NAPERVILLE, IL 60565
PHONE (630) 783-3300
FAX (630) 393-3152
www.eraconsultants.com

OVERSTREET BUILDERS, INC.
3947 CALIENTE CIR. NAPERVILLE, IL 60564
(630) 226-0460 EXT 206

SINGLE FAMILY SUBDIVISION
10826-10946 BOOK ROAD, NAPERVILLE, IL 60546

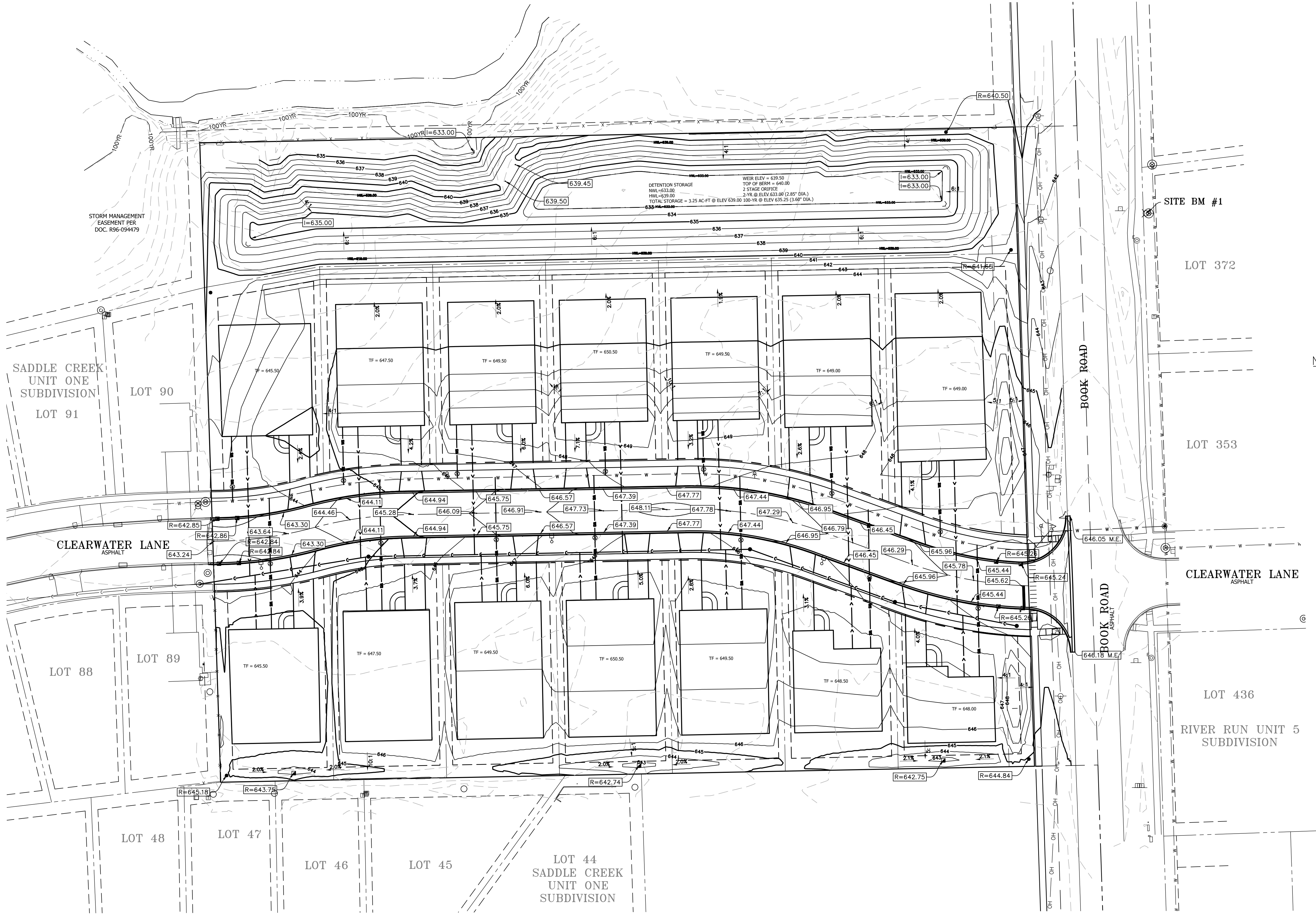
DATE : 04-16-2025
PROJECT # : W24300.00
DESIGNED BY : MD
DRAWN BY : MD
CHECKED BY : NAV

ADDENDUM #1
06-11-2025

DESCRIPTION:
G:\PROJECTS\OverstreetBuilders\W24300.00 10846 S Book Rd, UnincMilco Naperville\CAD\N SITE DEVELOPMENT\W24300.00.dwg C-6.0 Utility.dwg

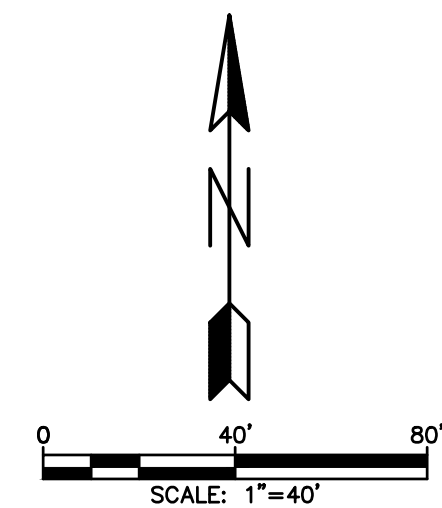
UTILITY PLAN

C-6.0
SHEET



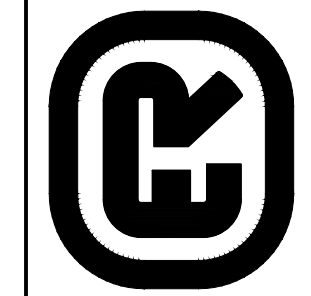
- GRADING LEGEND**
- PROPERTY LINE
 - LOT LINE ADJACENT / R.O.W.
 - EASEMENT LINE
 - PROP. CONTOURS
 - PROP. STORM CATCH BASIN
 - PROP. STORM END SECTION
 - PROP. DOWNSPOUT
 - PROP. STORM BUBBLER
 - PROP. SPOT ELEV.
 - MATCH EX. ELEV.
 - PROP. RIM ELEV.

- NOTES:**
- SEE SHEET C-2.0 FOR GRADING NOTES
 - EX. GRADE CONTOURS ARE SHOWN AT 1 FOOT INTERVALS.
 - PROP.. GRADE CONTOURS ARE SHOWN AT 1 FOOT INTERVALS.
 - ALL STORM SEWER AND UTILITY STRUCTURE RIMS SHALL BE FUSH WITH PAVEMENT OR FINISH GRADE.



PROFESSIONAL DESIGN FIRM NUMBER: 184.001186

ENGINEERING
RESOURCE ASSOCIATES
35701 WEST AVENUE, SUITE 150
NAPERVILLE, IL 60563
PHONE (630) 793-3900
FAX (630) 793-3152
www.eraconsultants.com



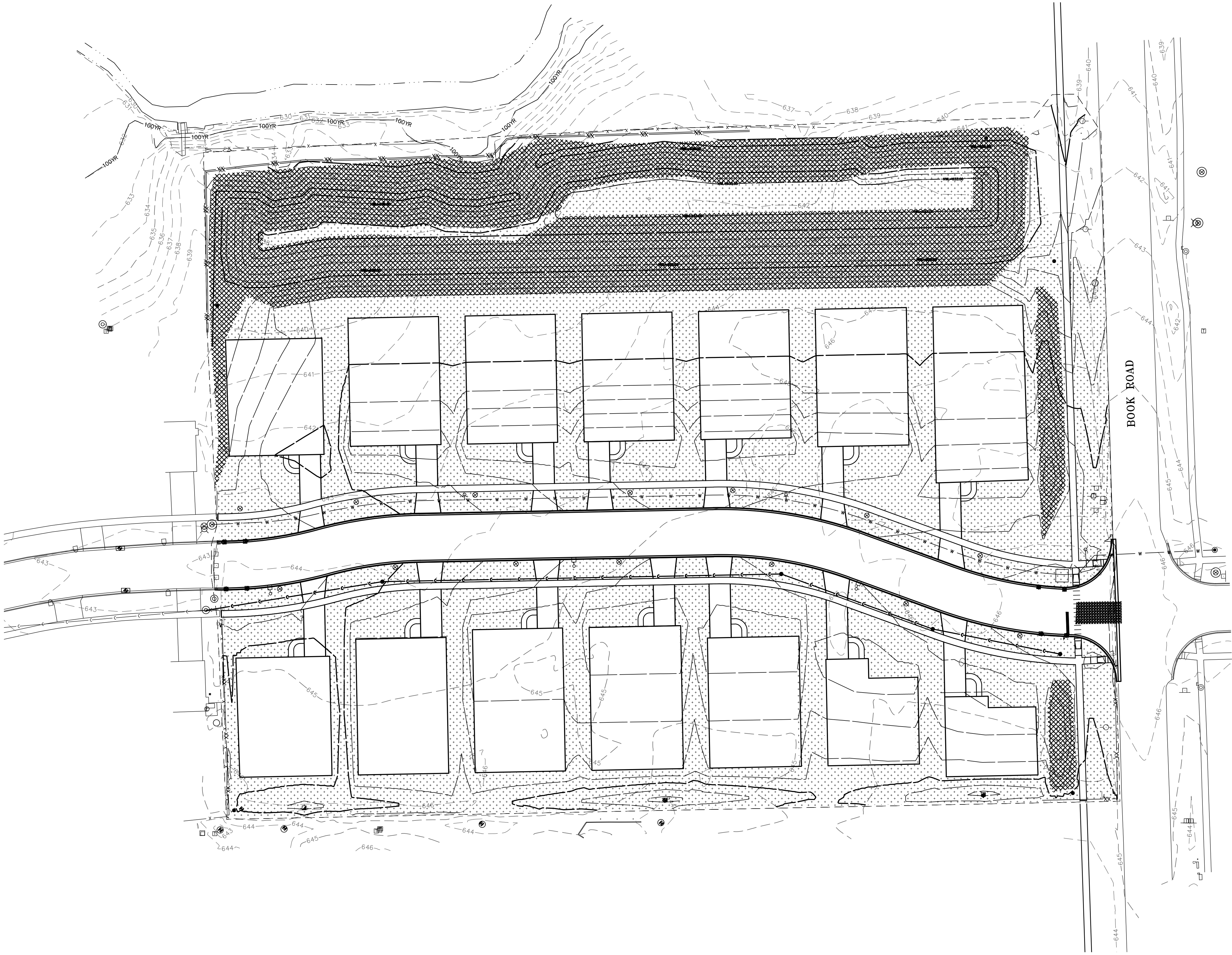
OVERSTREET BUILDERS, INC.
3947 CALIENTE CR, NAPERVILLE, IL 60564
(630) 226-0460 EXT 206

**SINGLE FAMILY
SUBDIVISION**
10826-10846 BOOK ROAD, NAPERVILLE, IL 60546

DATE : 04-16-2025
PROJECT # : W24300.00
DESIGNED BY : MD
DRAWN BY : MD
CHECKED BY : NAV

ADDENDUM #1
06-11-2025
DESCRIPTION:
G:\PROJECTS\OverstreetBuilders\W24300.00 10846 S Book Rd, Uninc\Milco Naperville\CADD\SHET\N SITE DEVELOPMENT\W24300.00 sht C-7.0 Grading Plan.dwg

GRADING PLAN
C-7.0
SHEET



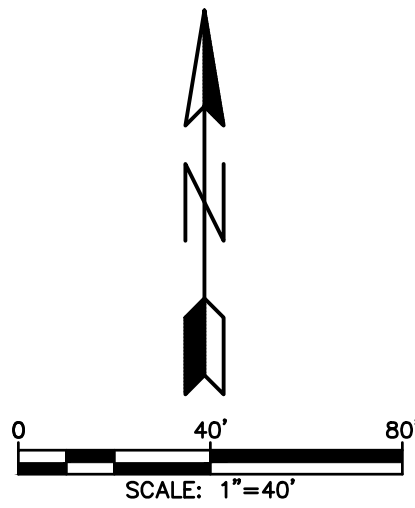
SESC LEGEND

---	LIMITS OF DISTURBANCE
-xx-	TEMPORARY SILT FENCE
-□-	TEMPORARY TREE PROTECTION FENCE
▨	PERMANENT SEEDING
▩	PERMANENT SEEDING
▧	STABILIZED CONSTRUCTION ENTRANCE
◆	INLET PROTECTION FILTER BASKET
□	CONCRETE WASHOUT

- CONSTRUCTION SEQUENCE SCHEDULE:**
1. INSTALLATION OF SOIL EROSION AND SEDIMENT CONTROL (SESC) MEASURES
 - 1.1. INSTALL STABILIZED CONSTRUCTION ENTRANCE
 - 1.2. INSTALL SILT FENCE
 - 1.3. INSTALL INLET FILTER PROTECTION AT EXISTING STORM STRUCTURES
 2. TREE REMOVAL AS SHOWN ON TREE PRESERVATION PLAN
 3. REMOVE EXISTING BUILDING AND STRUCTURES.
 4. CONTAIN STOCKPILE LOCATIONS WITHIN THE SITE AND INSTALL EROSION CONTROL MEASURES AS NECESSARY.
 5. START CONSTRUCTION OF BUILDING PAD AND UTILITIES.
 6. INSTALL INLET PROTECTION AS EACH STORM STRUCTURE IS INSTALLED.
 7. INITIATE TEMPORARY SEEDING WITHIN ONE BUSINESS DAY OF INACTIVITY, THROUGHOUT CONSTRUCTION, DENUDED AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE.
 8. INSTALL PAVEMENT.
 9. PERMANENTLY STABILIZE ALL AREAS.
 10. REMOVE ALL TEMPORARY SESC MEASURES AFTER THE SITE IS STABILIZED WITH VEGETATION.

*SOIL EROSION AND SEDIMENT CONTROL MAINTENANCE MUST OCCUR EVERY WEEK AND WITHIN 24 HOURS OF THE END OF A STORM OR BY THE END OF THE FOLLOWING BUSINESS DAY AFTER EVERY 0.5 IN. OR GREATER RAINFALL EVENT.

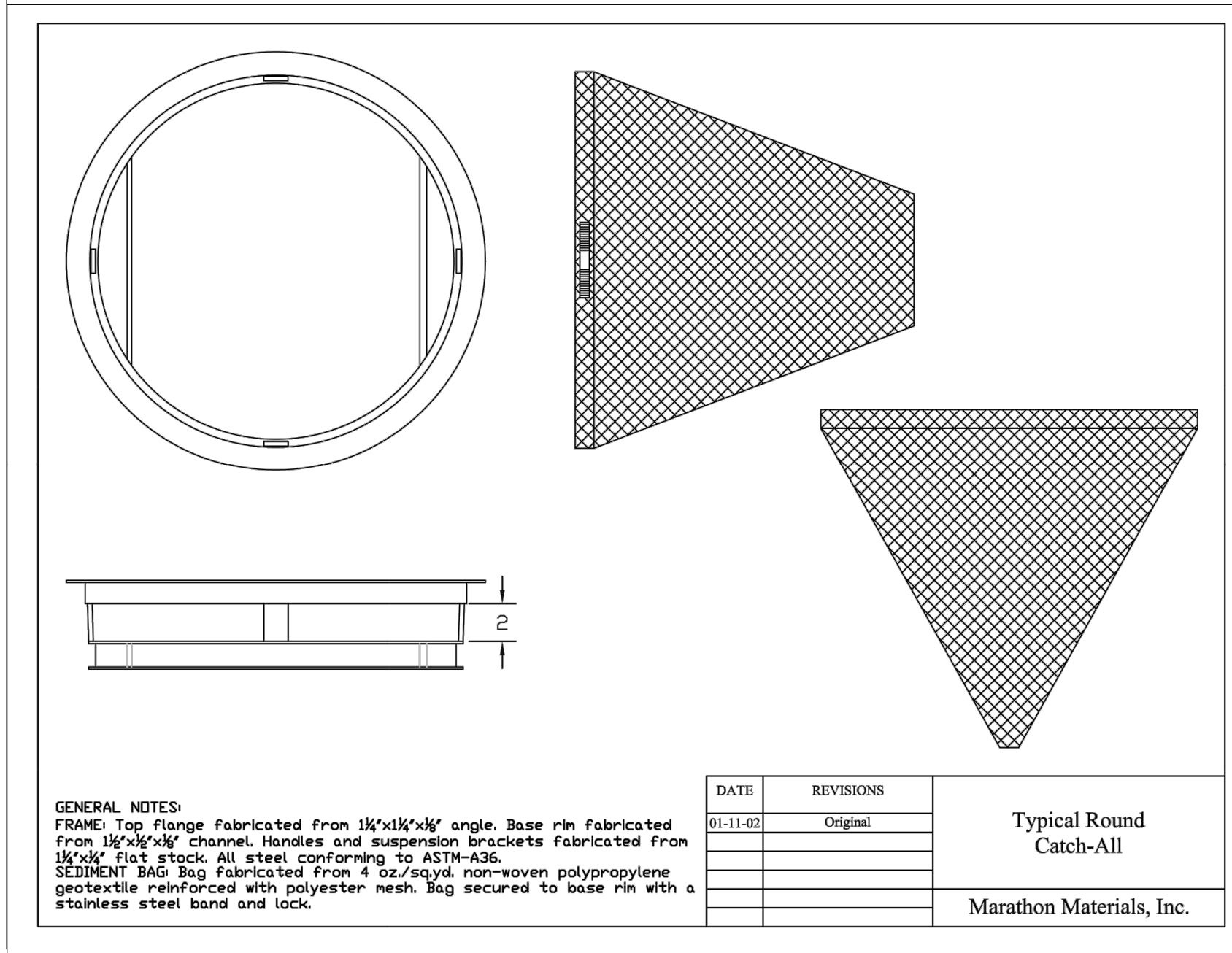
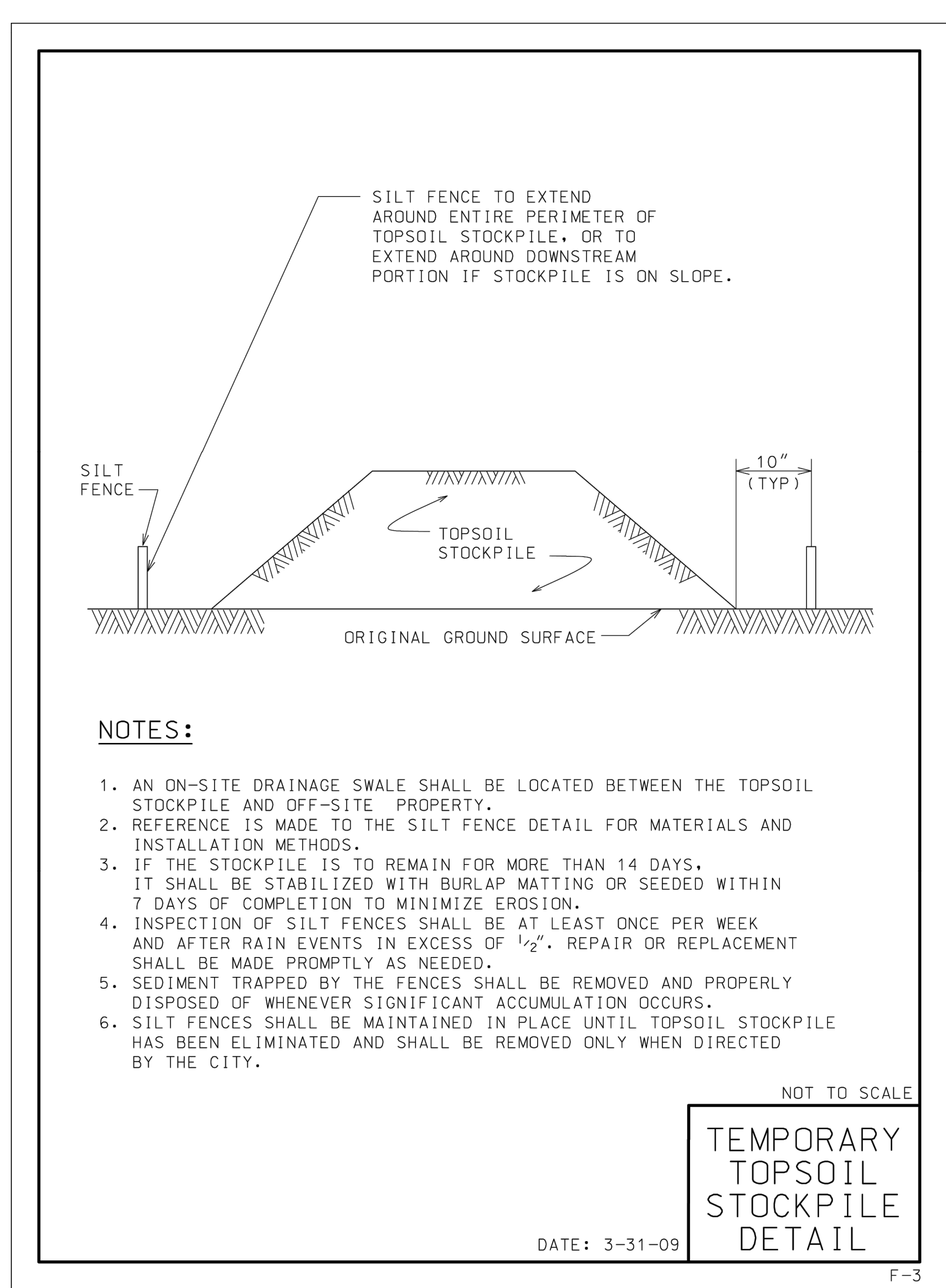
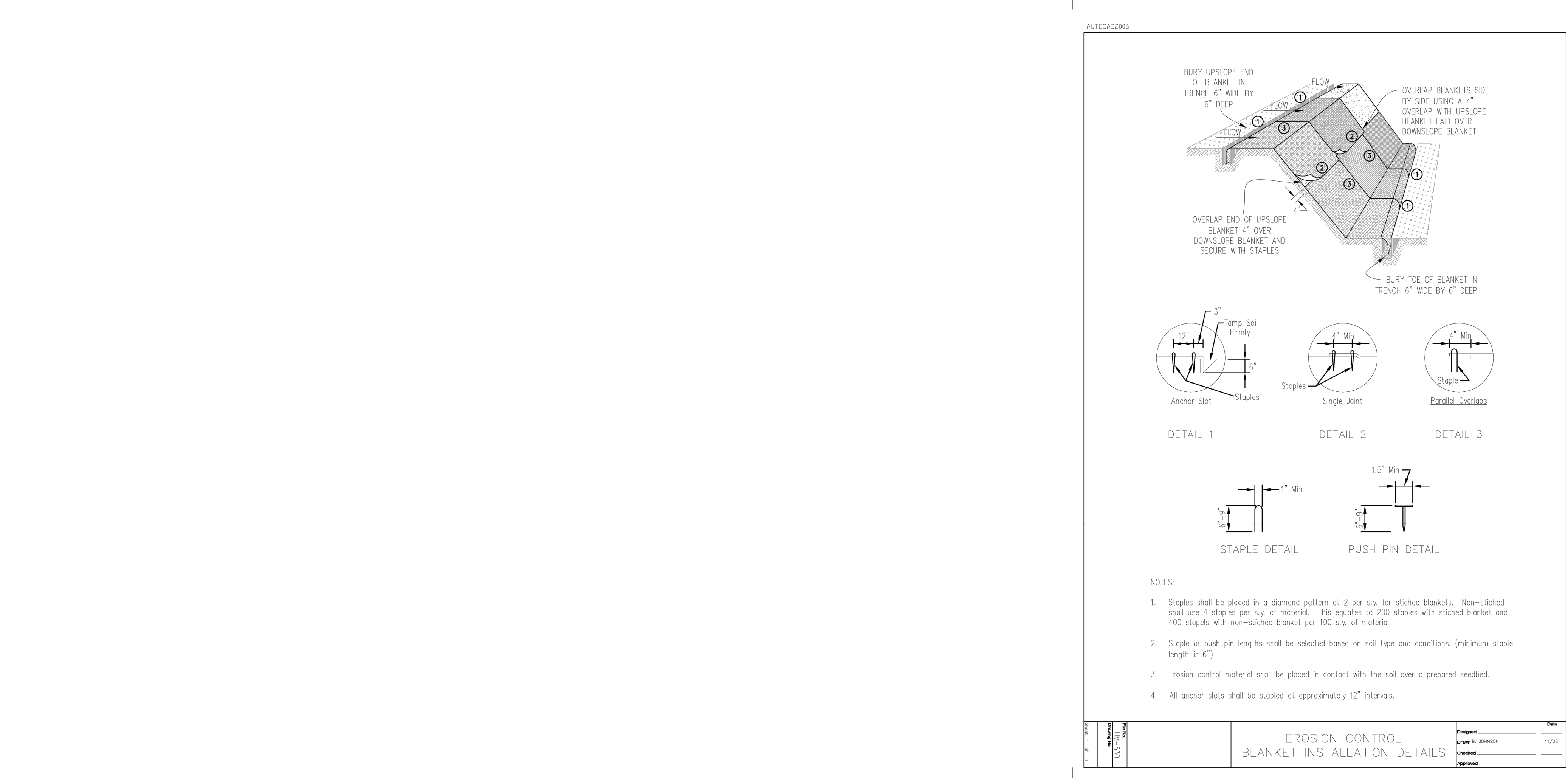
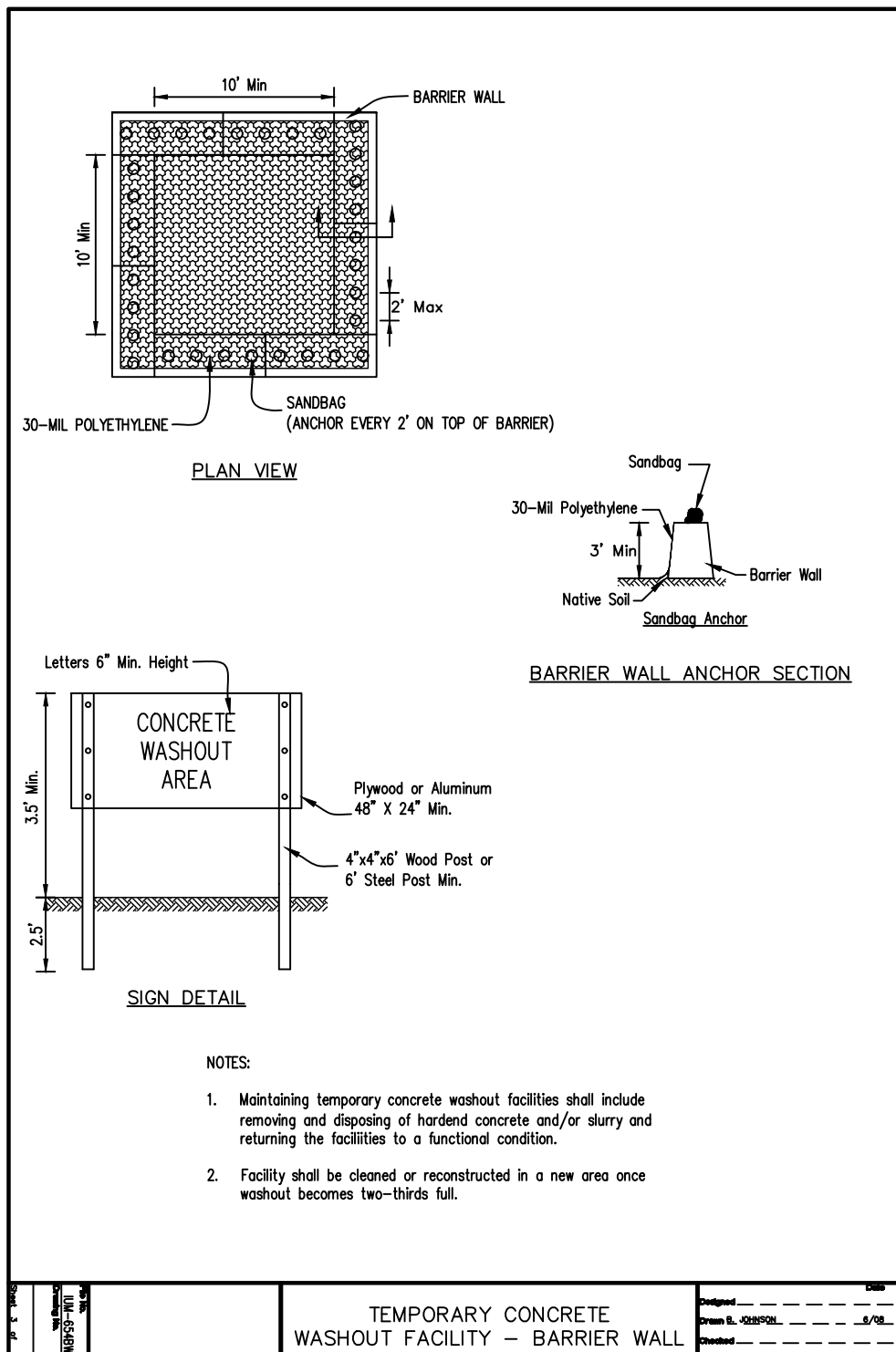
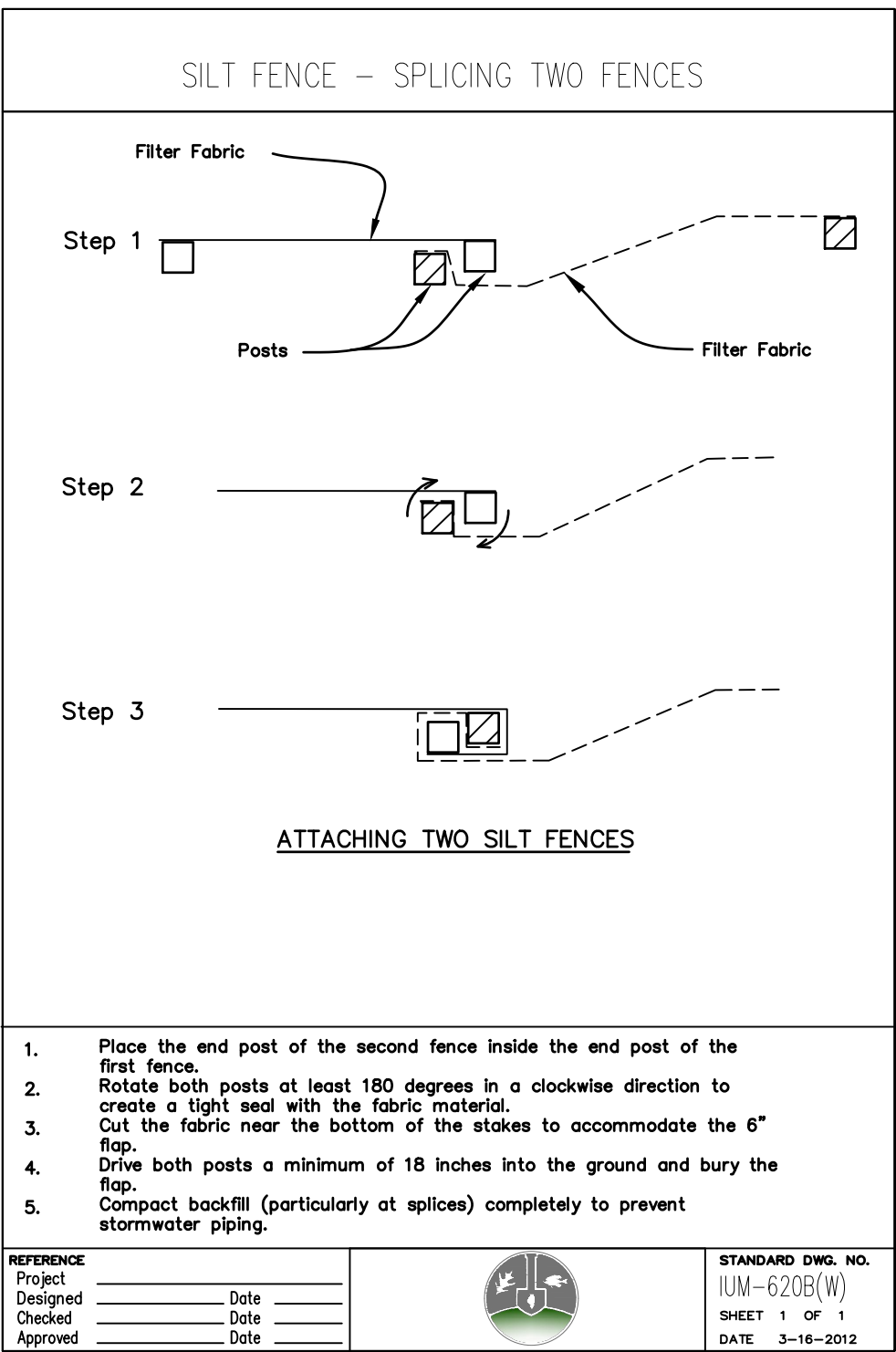
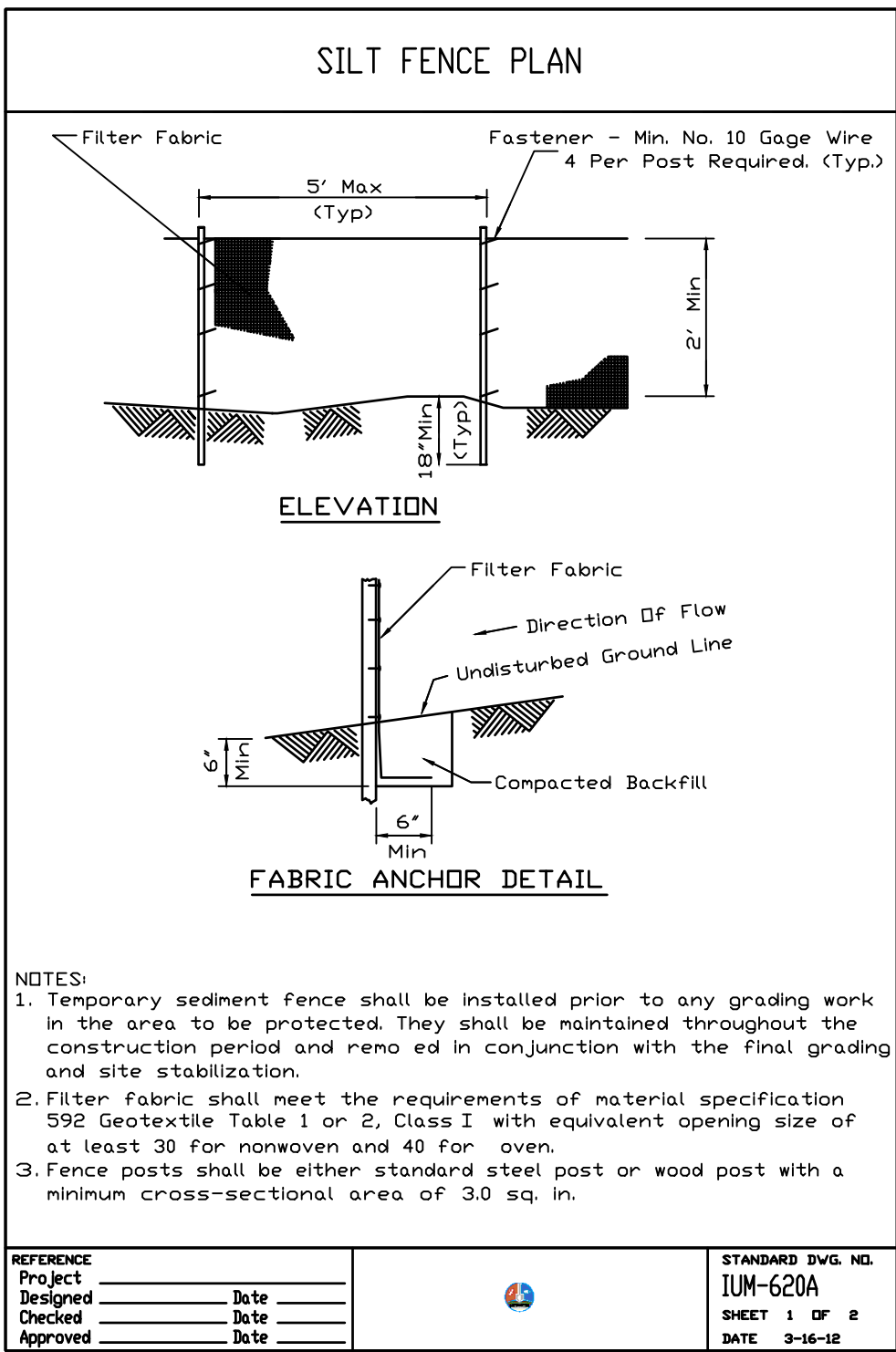
- NOTES:**
1. SEE SHEET C-7.1 FOR EROSION CONTROL DETAILS.
 2. THE LOCATIONS OF CONSTRUCTION STAGING AREA AND TOPSOIL STOCKPILE AREA ARE SUBJECT TO CHANGE PER CONTRACTOR. STAGING AREA SHALL BE ENCLOSED WITH TEMPORARY FENCE. CONSTRUCTION TRAILERS, TEMPORARY PARKING, AND ITEMS SUCH AS SOLID WASTE RECEPTACLES, SANITARY FACILITIES, CONCRETE WASTE, FUEL TANKS, CONSTRUCTION MATERIALS, SUPPLIES, AND STOCKPILES SHALL BE PLACED IN THIS AREA IF NEEDED. TOPSOIL STOCKPILE AREA SHALL BE ENCLOSED WITH SILT FENCE.
 3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CLEAN VEHICLES PRIOR TO THEM EXITING THE SITE. ANY SEDIMENT OR DUST THAT HAS ACCUMULATED AT THE CONSTRUCTION EXIT, OR ON ANY OTHER EXISTING STABILIZED SURFACE WITHIN THE LIMITS OF DISTURBANCE, SHALL BE CLEANED IMMEDIATELY. CONSIDERATION SHALL BE GIVEN TO A WHEEL WASH SYSTEM WHERE APPROPRIATE. ANY WATER USED FOR CLEANING VEHICLES SHALL BE COLLECTED PRIOR TO LEAVING THE LIMITS OF DISTURBANCE OR BEFORE ENTERING AN EXISTING STORM DRAINAGE SYSTEM. SEE SHEET C-7.1 FOR CONSTRUCTION EXIT DETAIL.
 4. ALL SOIL DISTURBANCE SHALL BE LOCATED WITHIN THE LIMITS OF DISTURBANCE.



PROFESSIONAL DESIGN FIRM NUMBER: 184.001186

DATE	: 04-16-2025	ADDENDUM #1
PROJECT #	: W24300.00	
DESIGNED BY	: MD	
DRAWN BY	: MD	
CHECKED BY	: NAV	

SOIL EROSION &
SEDIMENT
CONTROL PLAN



STORMWATER POLLUTION PREVENTION PLAN

THE FOLLOWING PLAN IS ESTABLISHED AND INCORPORATED IN THE PROJECT TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM SEWER WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE EROSION WITHIN THE CONSTRUCTION SITE AND TO LIMIT SEDIMENTS FROM LEAVING THE CONSTRUCTION SITE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN EROSION CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITION.

THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A TIME FRAME SPECIFIED HEREIN AND AS DIRECTED BY THE ENGINEER, THEREFORE MINIMIZING THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS, WHICH ARE NOT INCLUDED IN THIS PLAN, SHALL BE ADDED. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001 OF THE PLANS. SECTION 280. TEMPORARY EROSION CONTROL, OF THE STANDARD SPECIFICATIONS ADDITIONALLY SUPPLEMENTS THIS PLAN.

- SITE DESCRIPTION
- DESCRIPTION OF CONSTRUCTION ACTIVITY
- THE PROJECT CONSISTS OF A BUILDING ADDITION TO THE EXISTING BUILDING WITH IMPROVED ONSITE PARKING, STORM SEWER SYSTEM, AND LANDSCAPED AREAS.
 - THE PROPERTY IS LOCATED SOUTH OF IL-176 AND WEST OF US ROUTE 14, WITHIN THE CITY OF CRYSTAL LAKE.

- DESCRIPTION OF INTENDED SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTION OF THE CONSTRUCTION SITE:
- EROSION CONTROL SILT FENCING SHALL BE IN PLACE PRIOR TO EARTHWORK ACTIVITIES.
 - SITE SHALL BE ROUGH GRADED.
 - UNDERGROUND UTILITY NETWORK DIRECTING FLOW TO DETENTION FACILITY SHALL BE INSTALLED.
 - SITE SHALL BE FINE-GRADED, WITH ALL PROPOSED PAVING AREAS GRADED TO ROUGHLY 1-FOOT BELOW FINAL ELEVATION ON PLANS.
 - CONCRETE WORK AND BITUMINOUS PARKING LOT SHALL BE CONSTRUCTED.
 - DISTURBED AREAS SHALL BE TOPSOILED & SEEDDED.

AREA OF CONSTRUCTION SITE:

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 2.97 ACRES BY WHICH 0.55 ACRES WILL BE DISTURBED BY EXCAVATION, GRADING, AND OTHER ACTIVITIES.

- OTHER REPORTS, STUDIES AND PLANS, WHICH AID IN THE DEVELOPMENT OF THE STORM WATER POLLUTION PREVENTION PLAN AS REFERENCED DOCUMENTS:
- INFORMATION OF THE SOILS AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM TOPOGRAPHIC SURVEYS AND SOIL BORINGS THAT WERE UTILITIES FOR THE DEVELOPMENT OF THE PROPOSED TEMPORARY EROSION CONTROL SYSTEMS.
 - PROJECT PLAN DOCUMENTS, SPECIFICATIONS AND SPECIAL PROVISIONS, AND PLAN DRAWINGS INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER GRADING ACTIVITIES WERE UTILIZED FOR THE PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS.

QQ

DRAINAGE TRIBUTARIES AND SENSITIVE AREAS RECEIVING RUNOFF FROM THIS CONSTRUCTION SITE:

THE SITE SHALL DRAIN INTO THE PROPOSED STORMWATER DETENTION PONDS BY MEANS OF AN EXISTING STORM SEWER SYSTEM.

- CONTROLS, EROSION CONTROLS AND SEDIMENT CONTROL:
- THE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES INCLUDE TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, PROTECTION OF TREES, PRESERVATION OF NATURE VEGETATION, AND OTHER APPROPRIATE MEASURES AS DIRECTED BY THE ENGINEER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
 - (a.) AREAS OF EXISTING VEGETATION, WOOD AND GRASSLANDS, OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE IDENTIFIED BY THE ENGINEER FOR PRESERVING AND SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES.
 - (b.) DEAD, DISEASED, OR UNSUITABLE VEGETATION WITHIN THE SITE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER, ALONG WITH REQUIRED TREE REMOVAL.
 - (c.) AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, TEMPORARY PERIMETER EROSION BARRIER SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND DIRECTED BY THE ENGINEER.
 - (d.) BARE AND SPARSELY VEGETATED GROUND IN HIGH ERODIBLE AREAS AS DETERMINED BY THE ENGINEER SHALL BE TEMPORARILY SEEDDED AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN SEVEN (7) DAYS.
 - (e.) IMMEDIATELY AFTER TREE REMOVAL IS COMPLETED, AREAS WHICH ARE HIGHLY ERODIBLE AS DETERMINED BY THE ENGINEER, SHALL BE TEMPORARILY SEEDDED WHEN NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN SEVEN (7) DAYS.
 - ESTABLISHMENT OF THESE TEMPORARY EROSION CONTROL MEASURES WILL HAVE ADDITIONAL BENEFITS TO THE PROJECT. DESIRABLE GRASS SEED WILL BECOME ESTABLISHED IN THESE AREAS AND WILL SPREAD SEEDS ONTO THE CONSTRUCTION SITE UNTIL PERMANENT SEEDING/MOWING AND OVER SEEDING CAN BE COMPLETED.
 - THE SOIL AND WATER CONSERVATION DISTRICT IS RESPONSIBLE FOR CONDUCTING SITE VISITS AND VERIFYING THAT THE PRACTICES ARE WORKING PROPERLY AND DETERMINE IF ADDITIONAL PRACTICES ARE NEEDED FOR BETTER SOIL EROSION AND SEDIMENT CONTROL. IF ADDITIONAL PRACTICES ARE DEEMED NECESSARY BY THE SWCD THE CONTRACTOR WILL IMPLEMENT THE PRACTICE IN A TIMELY MANNER.

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILR10 ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES.

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

ENGINEER: BRIAN A, STYCK, PE

DATE

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:

- DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION LIMITS AS OUTLINED PREVIOUSLY HEREIN SHALL BE PROTECTED. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING, PARKING OF VEHICLES OF CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS OR OTHER CONSTRUCTION RELATED ACTIVITIES.
 - (a.) WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.
- (b.) AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER
 - (i.) PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS.
 - (ii.) TEMPORARILY SEED ERODIBLE BARE EARTH ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODIBLE SURFACE AREA WITHIN THE CONTRACT LIMITS.
 - (iii.) PROVIDE TEMPORARY EROSION CONTROL SYSTEMS.
 - (iv.) CONTINUE BUILDING UP THE EMBANKMENT TO THE PROPOSED GRADE WHILE, AT THE SAME TIME, PLACING PERMANENT EROSION CONTROL FINAL SHAPING TO THE SLOPES.
- (c.) EXCAVATED AREAS AND EMBANKMENT SHALL BE PERMANENTLY SEEDED IMMEDIATELY AFTER FINAL GRADING. IF NOT, THEY SHALL BE TEMPORARILY SEEDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR SEVEN (7) DAYS.
- (d.) CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR OTHER POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
- (e.) THE RESIDENT ENGINEER SHALL INSPECT THE PROJECT WEEKLY DURING CONSTRUCTION ACTIVITIES. INSPECTION SHALL ALSO BE DONE WEEKLY AND AFTER RAINS OF 1/2-INCH OR GREATER OR EQUIVALENT SNOWFALL AND DURING THE WINTER SHUTDOWN PERIOD. THE PROJECT SHALL ADDITIONALLY BE INSPECTED BY THE CONSTRUCTION FIELD ENGINEER ON A BIWEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.
- (f.) SEDIMENT COLLECTED DURING CONSTRUCTION OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR EARTH EXCAVATION FOR EROSION CONTROL.
- (g.) THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED, AS DIRECTED BY THE ENGINEER, AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING.

DESCRIPTION OF STRUCTURAL PRACTICES AFTER FINAL GRADING:

- TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SODDED AND ESTABLISHED.
- ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP, AND DISTURBED TURF RESEEDDED.

MISCELLANEOUS:

- TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 100 LBS/ACRES, IF DIRECTED.
- SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS, AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION.
- ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PROJECT. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.

SOIL EROSION CONTROL:

1. SOIL EROSION CONTROL MUST CONFORM TO THE CITY ORDINANCE.

A. SPECIFICATIONS:

1. A CONSTRUCTION ENTRANCE TO THE SITE SHALL BE INSTALLED AND STABILIZED PRIOR TO ANY WORK ON THE SITE. THE CONSTRUCTION ENTRANCE SHALL CONSIST OF 12" OF CRUSHED CONCRETE, 50 FEET IN LENGTH AND 24 FEET WIDE, AS SHOWN ON PLANS.
2. ALL STOCK PILES ON THE SITE WHICH WILL NOT BE REDISTRIBUTED FOR A WEEK OR LONGER WILL BE SEEDDED WITHIN SEVEN DAYS OF THE FORMATION OF THE STOCKPILE.
3. SEEDING IN DISTRIBUTED AREAS OUTSIDE OF THE RIGHT-OF-WAYS WILL BE DONE WITH PERENNIAL RYE GRASS, 1/2 LB. PER 1,000 SF, IF IT IS LATER IN THE FALL AND A MORE RAPID GERMINATION IS REQUIRED, 1 LB OF OATS PER 1,000 S.F. CAN BE ADDED TO THE RYE GRASS.
4. THE SEEDING AND MULCH WILL BE MAINTAINED AND REPAIRED WHEN NECESSARY UNTIL THE PROJECT IS COMPLETED.
5. AGGREGATE BASE SHALL BE INSTALLED AS SOON AS POSSIBLE IN THE CONSTRUCTION SEQUENCE FOR ROADS TO PROVIDE REQUIRED STABILIZATION.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF EROSION CONTROL STRUCTURES.
7. CONTRACTOR SHALL INSPECT EROSION CONTROL STRUCTURES WEEKLY OR AFTER ANY MAJOR STORMS OR AS DIRECTED BY THE CITY.
8. ALL DESIGN AND CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AS CONTAINED IN THE IEPA/WPC/87-012 OR CURRENT EDITION AND THE ILLINOIS PROCEDURE AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL.
9. DUST CONTROL AND CLEANING OF ROADWAYS AS REQUESTED BY THE CITY SHALL BE THE RESPONSIBILITY OF THE DEVELOPER.

B. INSTALLATION

1. INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
2. NOTIFY PUBLIC WORKS DEPARTMENT AND THE CITY ENGINEERING DEPARTMENT 24 HOURS PRIOR TO INITIATING CONSTRUCTION.

DRAINAGE STATEMENT

WE HEREBY STATE THAT TO THE BEST OF OUR KNOWLEDGE AND BELIEF THE DRAINAGE OF SURFACE WATERS OF THIS PLAT WILL NOT BE CHANGED BY THE CONSTRUCTION OF THE IMPROVEMENTS OF THIS SUBDIVISION OR ANY PART THEREOF OR THAT IF SUCH SURFACE WATER DRAINAGE WILL BE CHANGED, REASONABLE PROVISIONS HAVE BEEN MADE FOR COLLECTION AND DIVERSION OF SUCH SURFACE WATERS INTO PUBLIC AREAS, OR DRAINS WHICH THE SUBDIVIDER HAS A RIGHT TO USE, AND THAT SUCH SURFACE WATERS WILL BE PLANNED FOR IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICES SO AS TO REDUCE THE LIKELIHOOD OF DAMAGE TO THE ADJOINING PROPERTY BECAUSE OF THE CONSTRUCTION OF THE SUBDIVISION.

DATE: _____

NAME OF ENGINEER _____

ILLINOIS REGISTERED PROF.ENG.NO. _____

OWNER AND DEVELOPER:

NAME OF DEVELOPER/OWNER _____

TITLE: _____

CORPORATION: _____

SOIL PROTECTION CHART

STABILIZATION TYPE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
PERMANENT SEEDING			A			*	*					
DORMANT SEEDING	B										B	
TEMPORARY SEEDING			C			*	D*					
SODDING			E**									
MULCHING	F											

- | | |
|--|-----------------------------------|
| A. KENTUCKY BLUEGRASS 90 LBS/AC
MIXED WITH PERENNIAL RYEGRASS 30 LBS/AC | C. SPRING OATS 100 LBS/AC |
| B. KENTUCKY BLUEGRASS 135 LBS/AC
MIXED WITH PERENNIAL RYE GRASS 45 LBS/AC + 2 TONS STRAW MULCH/AC | D. WHEAT OR CEREAL RYE 150 LBS/AC |
| | E. SOD |
| | F. STRAW MULCH 2 TONS/AC |

* IRRIGATION NEEDED DURING JUNE AND JULY

** IRRIGATION NEEDED FOR 2 TO 3 WEEKS AFTER APPLYING SOD

OWNER'S CERTIFICATION

"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

OWNER

SIGNATURE _____ TITLE _____ DATE _____

COMPANY _____

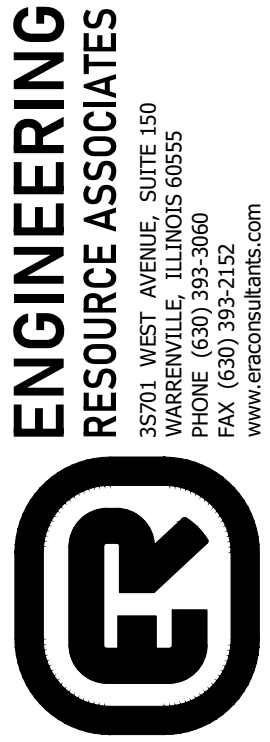
CONTRACTOR'S CERTIFICATION

"I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (ILR 10) THAT AUTHORIZES THE STORMWATER DISCHARGES ASSOCIATED WITH ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

GENERAL CONTRACTOR

SIGNATURE _____ TITLE _____ DATE _____

COMPANY _____



OVERSTREET BUILDERS, INC.

SINGLE FAMILY SUBDIVISION

ADDENDUM #1

06-11-2025

DATE : 04-16-2025

PROJECT # : W24300.00

DESIGNED BY : MD

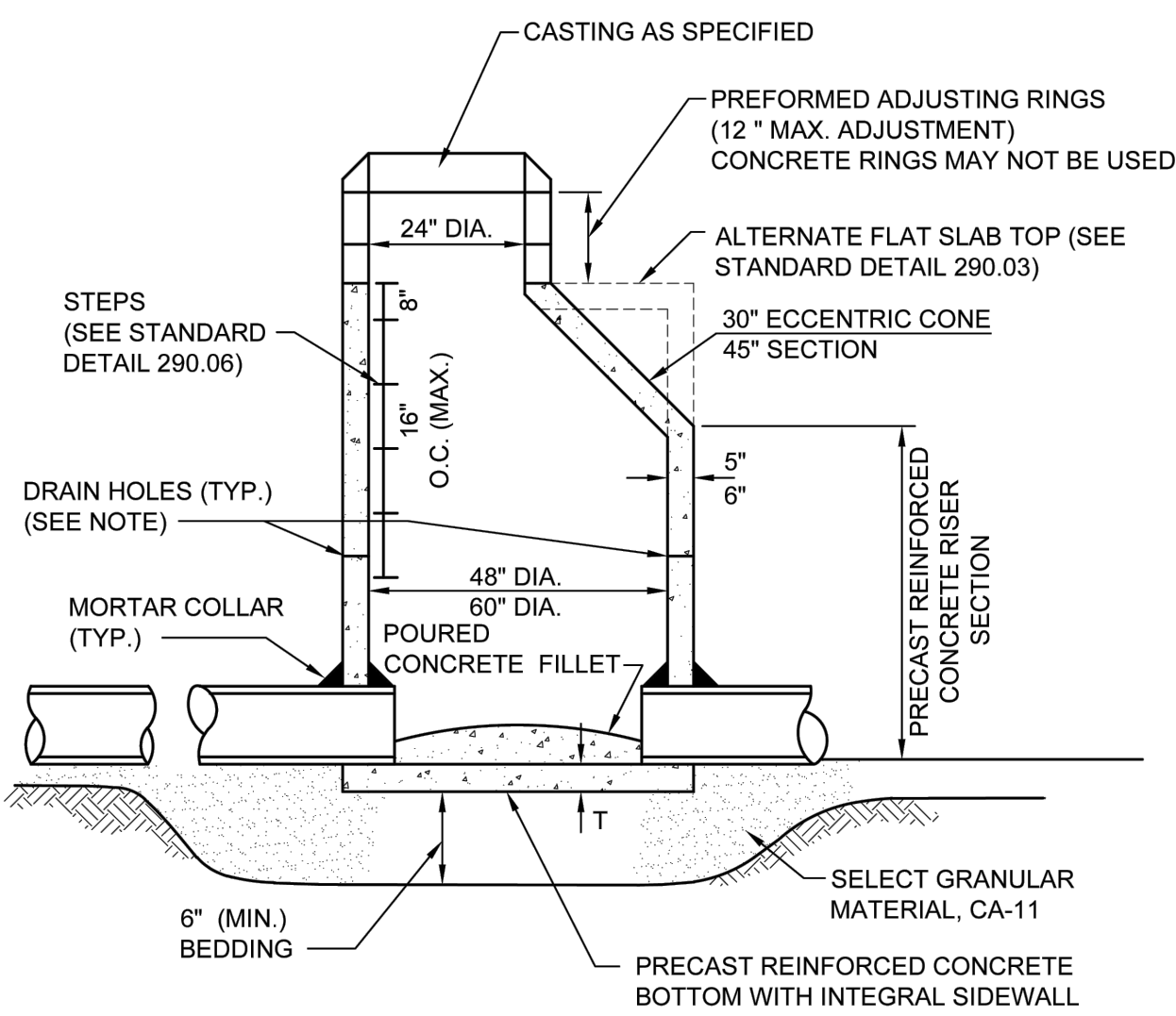
DRAWN BY : MD

CHECKED BY : NAV

SOIL EROSION & SEDIMENT CONTROL PLAN

C-8.2 SHEET

WHEN MANHOLE DEPTH IS 12 FT OR LESS T = 8 INCHES
WHEN MANHOLE DEPTH IS OVER 12 FT. T = 10 INCHES



NOTE:

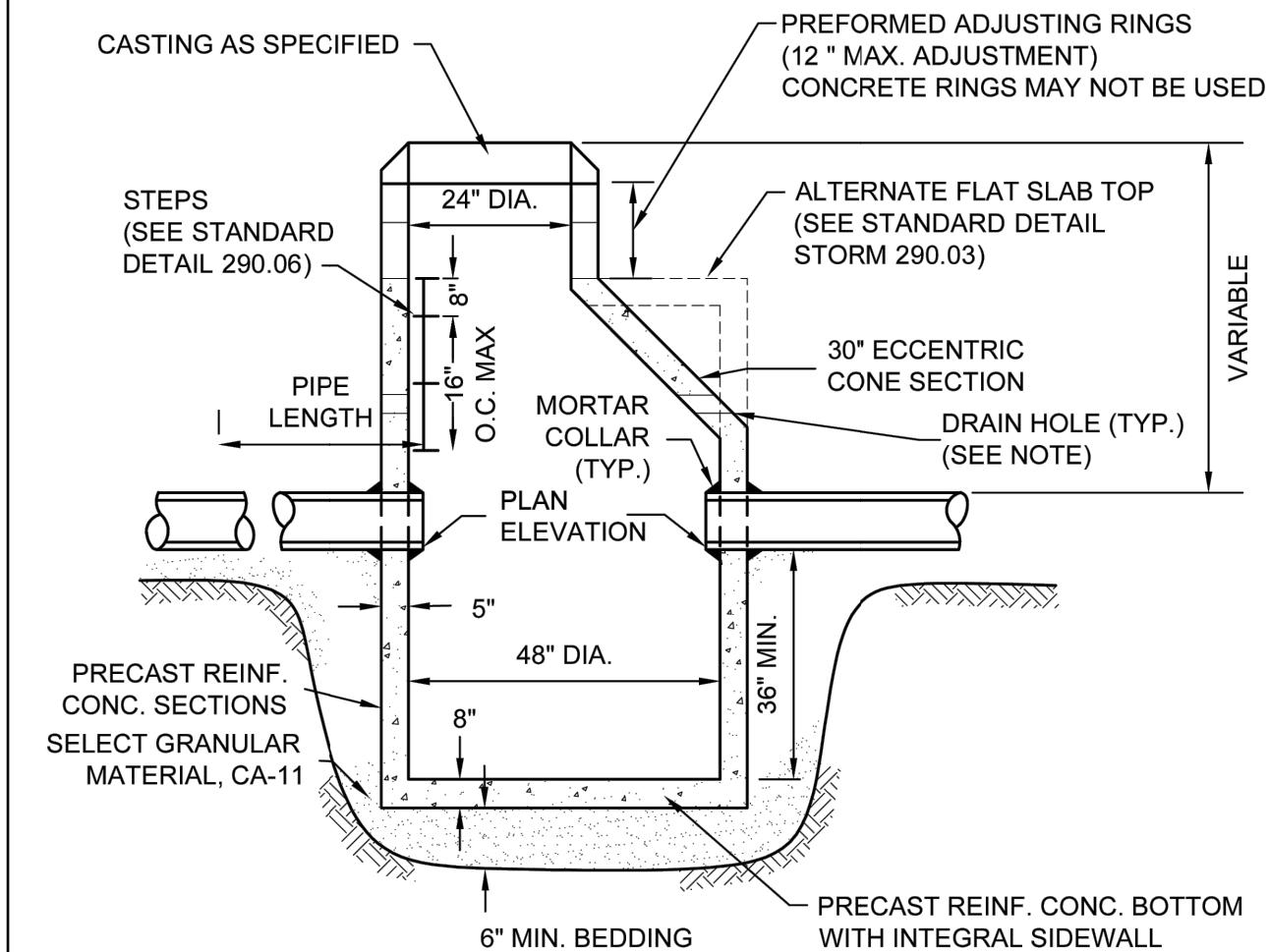
A MINIMUM OF 4 PRECAST OR DRILLED 1" DIAMETER HOLES SHALL BE PROVIDED WITHIN 1' OF THE LOWEST PIPE INVERT. THE HOLES SHALL BE DISTRIBUTED EQUIDISTANT AROUND THE PERIMETER OF THE STRUCTURE. A 1' BY 1' SQUARE OF UNDERDRAIN FILTER CLOTH MATERIAL SHALL BE FIXED OVER EACH DRAIN HOLE ON THE OUTSIDE OF THE STRUCTURE WITH MASTIC MATERIAL TO PREVENT SLIPPAGE DURING BACKFILLING.



City of Naperville
**STANDARD
DETAIL**

**STORM MANHOLE-
TYPE A**
REVISED: 08/01/2018 SHEET 1 OF 1

**STORM 1
290.01**



NOTE:

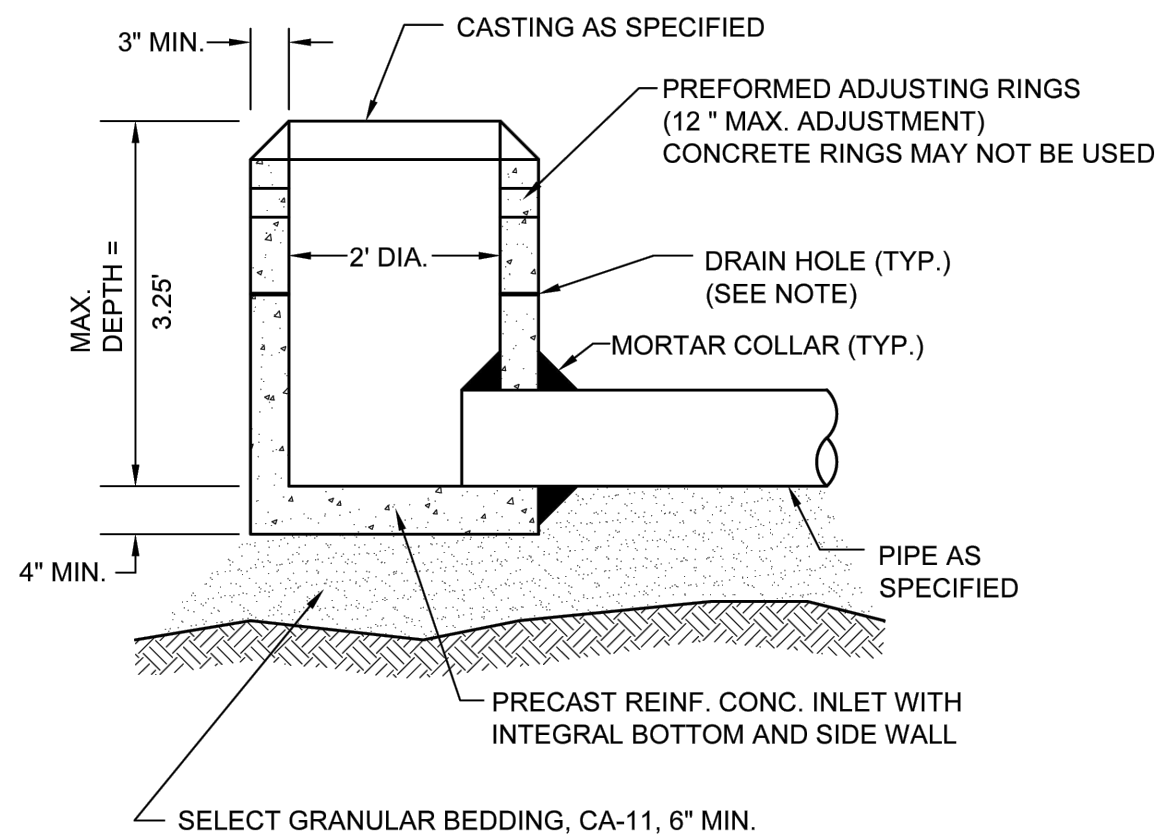
A MINIMUM OF 4 PRECAST OR DRILLED 1" DIAMETER HOLES SHALL BE PROVIDED WITHIN 1' OF THE LOWEST PIPE INVERT. THE HOLES SHALL BE DISTRIBUTED EQUIDISTANT AROUND THE PERIMETER OF THE STRUCTURE. A 1' BY 1' SQUARE OF UNDERDRAIN FILTER CLOTH MATERIAL SHALL BE FIXED OVER EACH DRAIN HOLE ON THE OUTSIDE OF THE STRUCTURE WITH MASTIC MATERIAL TO PREVENT SLIPPAGE DURING BACKFILLING.



City of Naperville
**STANDARD
DETAIL**

CATCH BASIN - TYPE A
REVISED: 08/01/2018 SHEET 1 OF 1

**STORM 2
290.02**



NOTE:

IN PAVED AREAS A MINIMUM OF 4 PRECAST OR DRILLED 1" DIAMETER HOLES SHALL BE PROVIDED WITHIN 1' OF THE LOWEST PIPE INVERT. THE HOLES SHALL BE DISTRIBUTED EQUIDISTANT AROUND THE PERIMETER OF THE STRUCTURE. A 1' BY 1' SQUARE OF UNDERDRAIN FILTER CLOTH MATERIAL SHALL BE FIXED OVER EACH DRAIN HOLE ON THE OUTSIDE OF THE STRUCTURE WITH MASTIC MATERIAL TO PREVENT SLIPPAGE DURING BACKFILLING.



City of Naperville
**STANDARD
DETAIL**

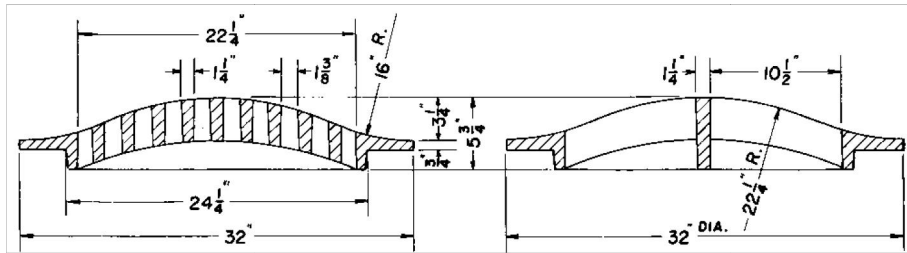
INLET - TYPE A
REVISED: 08/01/2018 SHEET 1 OF 1

**STORM 5
290.05**

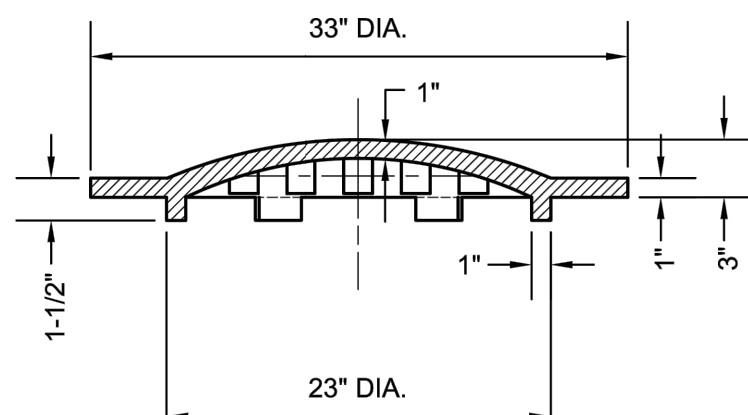
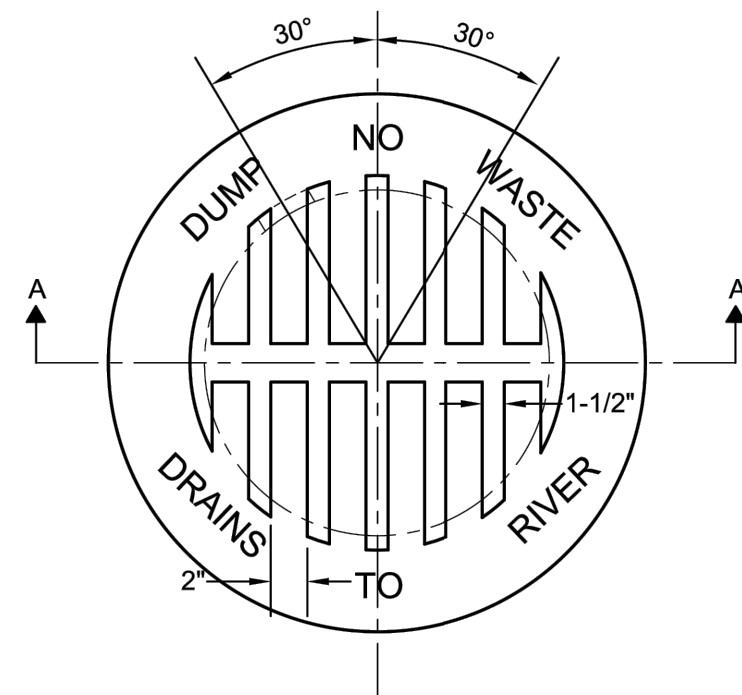
Note: When specifying/ordering grates, refer to "Choosing the Proper Inlet Grate" on pages 125-126.
For a complete listing of FREE OPEN AREAS and WEIR PERIMETERS of all NEENAH grates, refer to pages 327-332.

**R-4352
Beehive Grate**

Heavy Duty



CATALOG NUMBER	GRATE TYPE	SO. FT. OPEN	WEIR PERIMETER LINEAL FEET
R-4352	Beehive	1.3	5.8



SECTION A-A

NOTES:

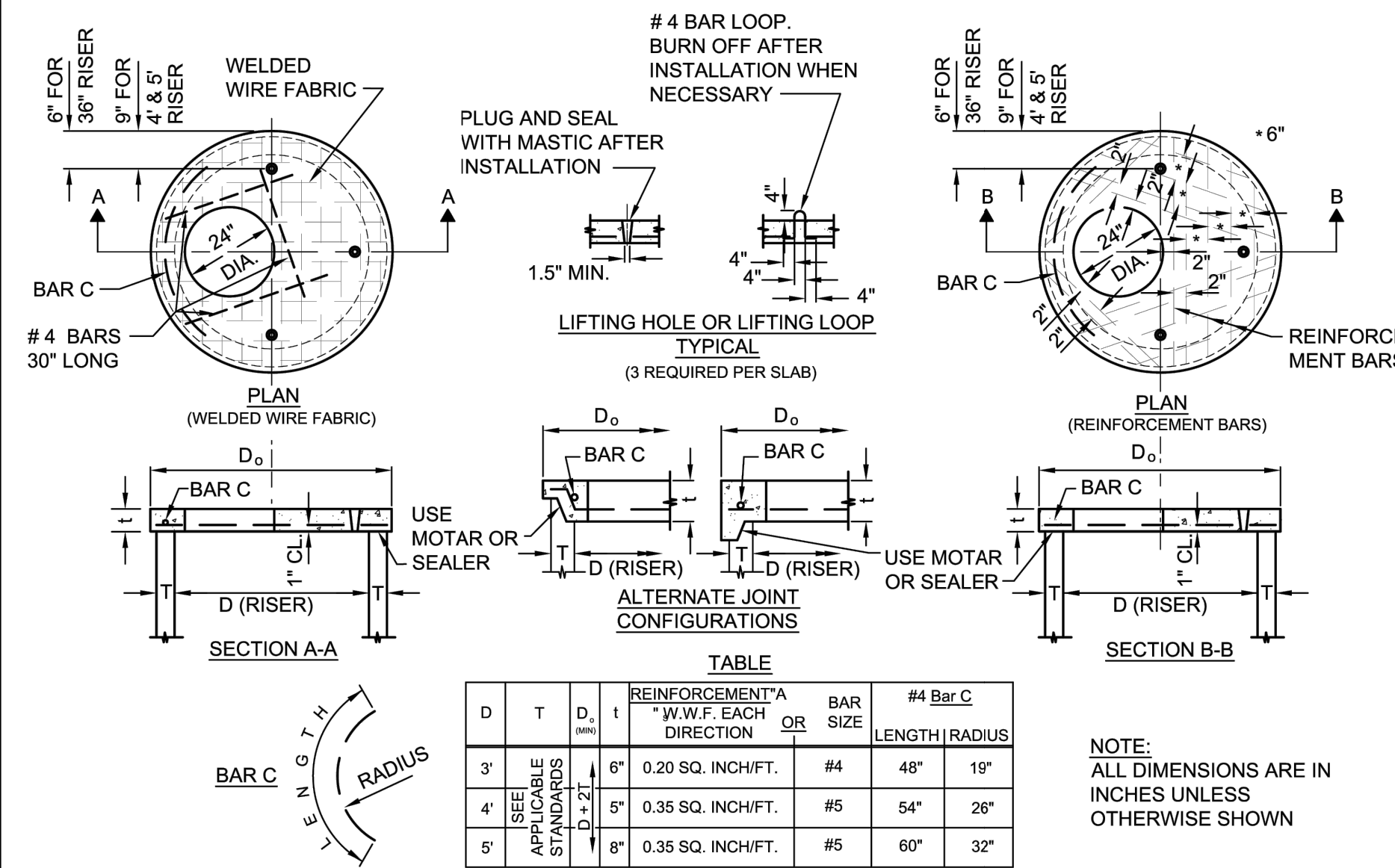
- BEEHIVE GRATE SHALL BE NEENAH R4340B, EAST JORDAN 6527, OR EQUAL APPROVED BY THE CITY ENGINEER.
- ALL CASTINGS SHALL BE SHOP PAINTED WITH AN ASPHALTIC BASE PAINT.
- ALL CASTINGS SHALL INCLUDE "DUMP NO WASTE. DRAINS TO RIVER".



City of Naperville
**STANDARD
DETAIL**

BEEHIVE GRATE
REVISED: 05/15/2015 SHEET 1 OF 1

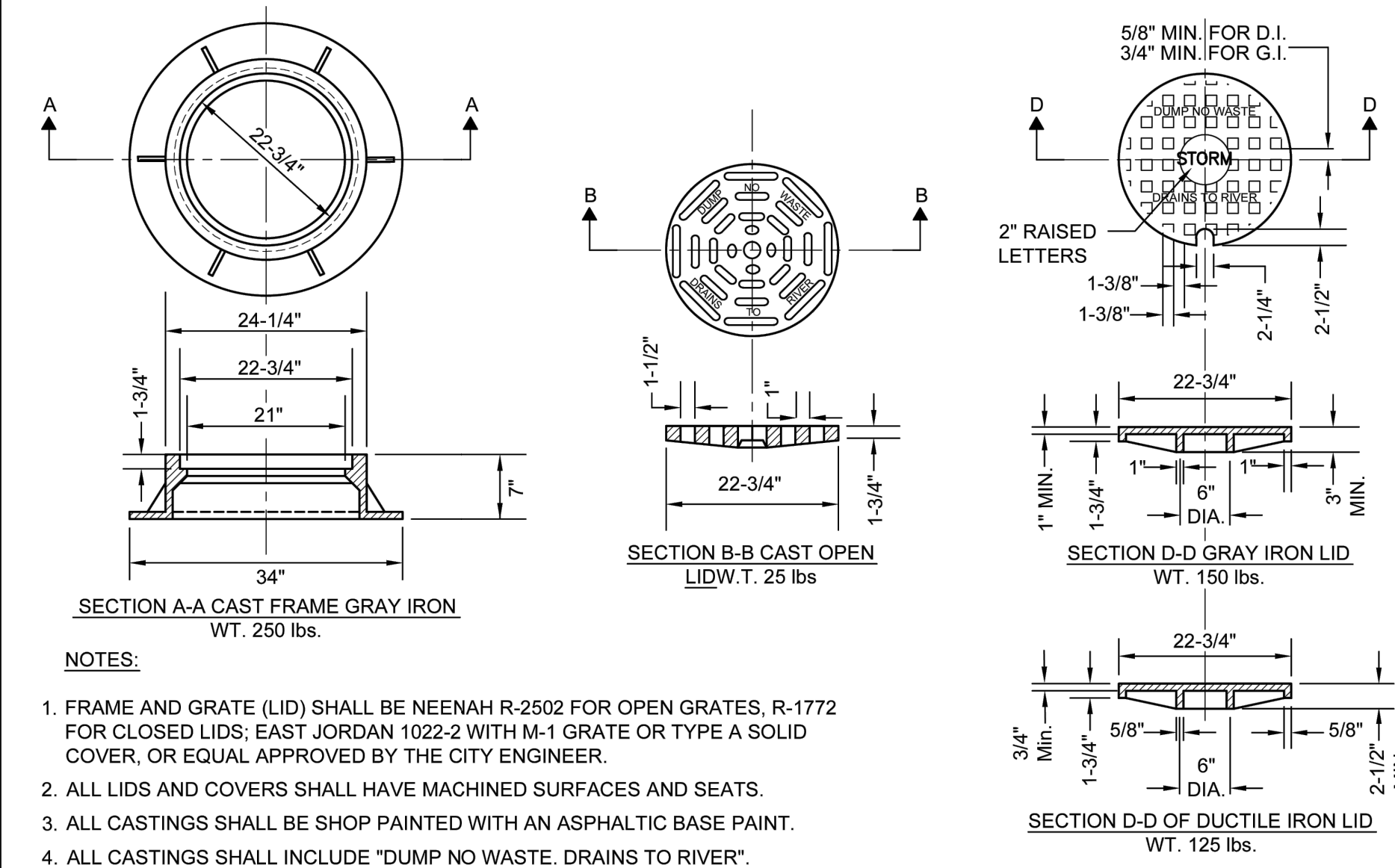
**STORM 14
290.14**



City of Naperville
**STANDARD
DETAIL**

**FLAT SLAB TOP PRECAST
REINFORCED CONCRETE**
REVISED: 01/01/2013 SHEET 1 OF 1

**STORM 3
290.03**



NOTES:

- FRAME AND GRATE (LID) SHALL BE NEENAH R-2502 FOR OPEN GRATES, R-1772 FOR CLOSED LIDS; EAST JORDAN 1022-2 WITH M-1 GRATE OR TYPE A SOLID COVER, OR EQUAL APPROVED BY THE CITY ENGINEER.
- ALL LIDS AND COVERS SHALL HAVE MACHINED SURFACES AND SEATS.
- ALL CASTINGS SHALL BE SHOP PAINTED WITH AN ASPHALTIC BASE PAINT.
- ALL CASTINGS SHALL INCLUDE "DUMP NO WASTE. DRAINS TO RIVER".

NOTES:

- FRAME AND GRATE SHALL BE NEENAH R-3278-A, EAST JORDAN IRON 7220, OR EQUAL APPROVED BY THE CITY ENGINEER.
- ALL CASTING SHALL BE SHOP PAINTED WITH AN ASPHALTIC BASE PAINT.
- SEE STANDARD DETAIL 590.20 FOR CORRESPONDING CURB.
- ALL CASTINGS SHALL INCLUDE "DUMP NO WASTE. DRAINS TO RIVER".

NOTES:

- FRAME AND GRATE SHALL BE NEENAH R-3278-A, EAST JORDAN IRON 7220, OR EQUAL APPROVED BY THE CITY ENGINEER.
- ALL CASTING SHALL BE SHOP PAINTED WITH AN ASPHALTIC BASE PAINT.
- SEE STANDARD DETAIL 590.20 FOR CORRESPONDING CURB.
- ALL CASTINGS SHALL INCLUDE "DUMP NO WASTE. DRAINS TO RIVER".

NOTES:

- FRAME AND GRATE SHALL BE NEENAH R-3278-A, EAST JORDAN IRON 7220, OR EQUAL APPROVED BY THE CITY ENGINEER.
- ALL CASTING SHALL BE SHOP PAINTED WITH AN ASPHALTIC BASE PAINT.
- SEE STANDARD DETAIL 590.20 FOR CORRESPONDING CURB.
- ALL CASTINGS SHALL INCLUDE "DUMP NO WASTE. DRAINS TO RIVER".

NOTES:

- FRAME AND GRATE SHALL BE NEENAH R-3278-A, EAST JORDAN IRON 7220, OR EQUAL APPROVED BY THE CITY ENGINEER.
- ALL CASTING SHALL BE SHOP PAINTED WITH AN ASPHALTIC BASE PAINT.
- SEE STANDARD DETAIL 590.20 FOR CORRESPONDING CURB.
- ALL CASTINGS SHALL INCLUDE "DUMP NO WASTE. DRAINS TO RIVER".

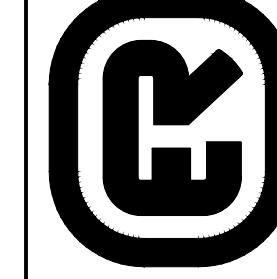
NOTES:

- FRAME AND GRATE SHALL BE NEENAH R-3278-A, EAST JORDAN IRON 7220, OR EQUAL APPROVED BY THE CITY ENGINEER.
- ALL CASTING SHALL BE SHOP PAINTED WITH AN ASPHALTIC BASE PAINT.
- SEE STANDARD DETAIL 590.20 FOR CORRESPONDING CURB.
- ALL CASTINGS SHALL INCLUDE "DUMP NO WASTE. DRAINS TO RIVER".

NOTES:

- FRAME AND GRATE SHALL BE NEENAH R-3278-A, EAST JORDAN IRON 7220, OR EQUAL APPROVED BY THE CITY ENGINEER.
- ALL CASTING SHALL BE SHOP PAINTED WITH AN ASPHALTIC BASE PAINT.
- SEE STANDARD DETAIL 590.20 FOR CORRESPONDING CURB.
- ALL CASTINGS SHALL INCLUDE "DUMP NO WASTE. DRAINS TO RIVER".

ENGINEERING
RESOURCE ASSOCIATES



OVERSTREET BUILDERS, INC.
3971 CALIENTE CR. NAPERVILLE, IL 60564
(630) 226-0460 EXT 206

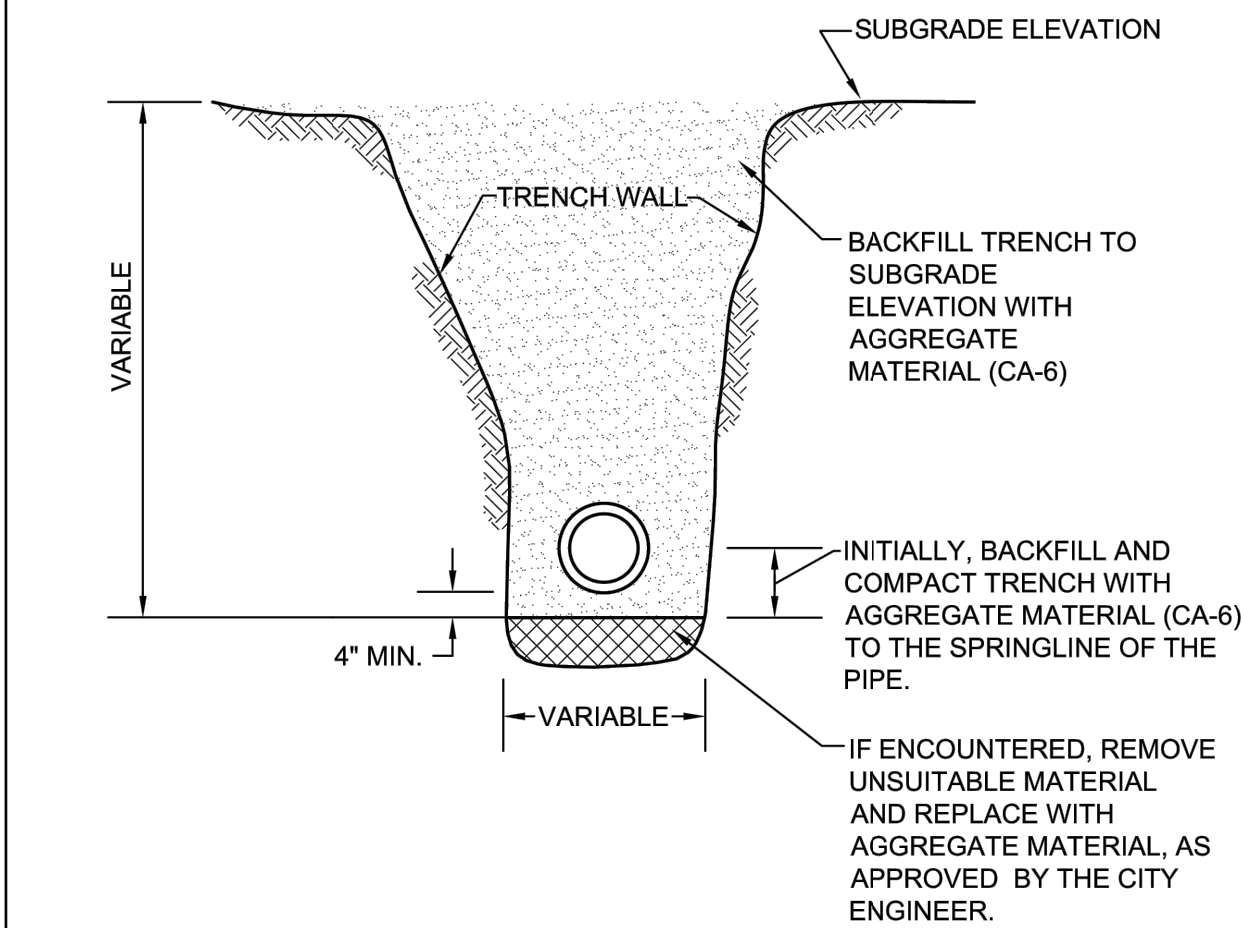
SINGLE FAMILY
SUBDIVISION

ADDENDUM #1
06-11-2025


DATE : 04-16-2025
PROJECT # : W24300.00
DESIGNED BY : MD
DRAWN BY : MD
CHECKED BY : NAV

CONSTRUCTION
DETAILS

C-9.0
SHEET



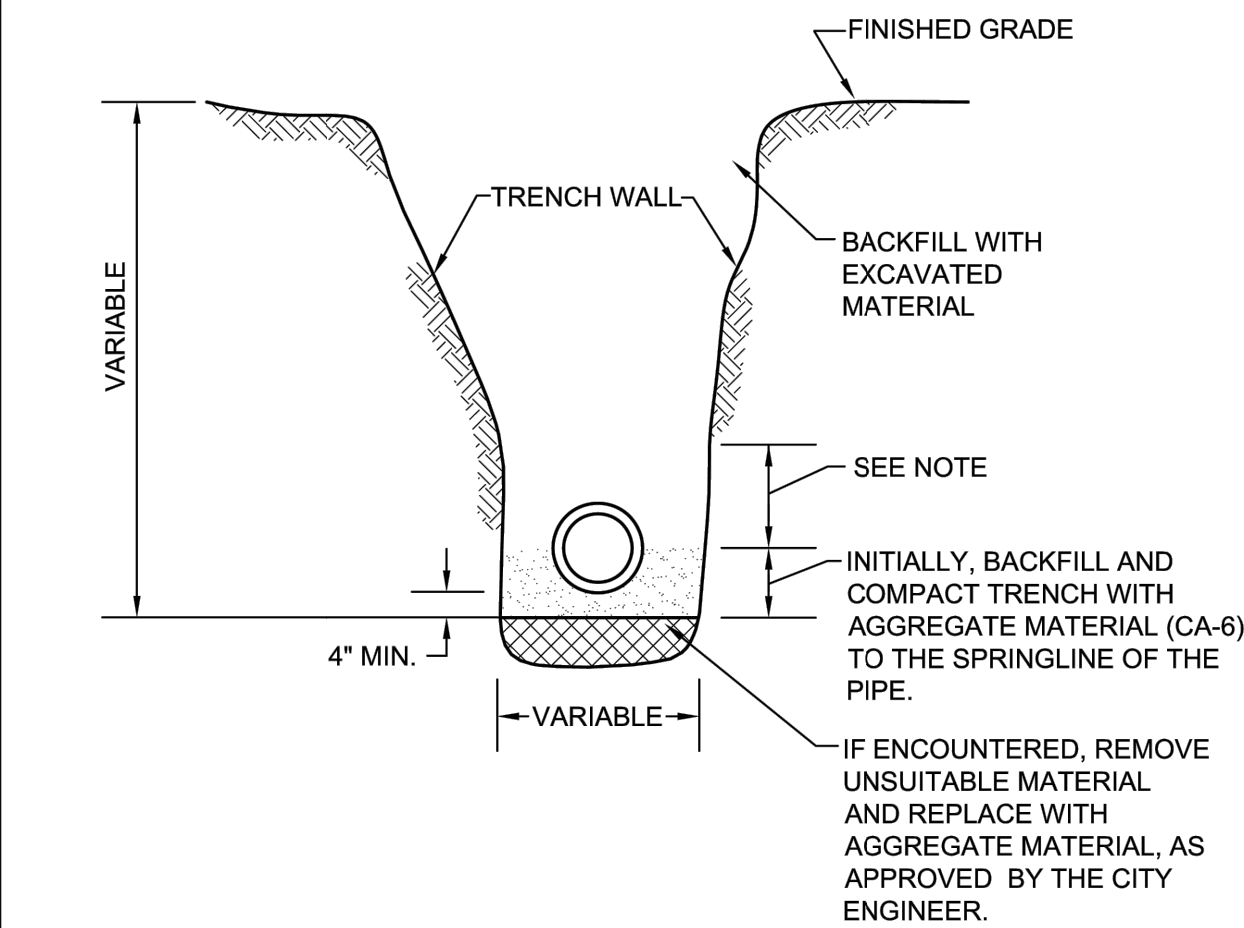
- NOTES:
1. TRENCH BACKFILL MATERIAL SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 550.07 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
 2. THIS DETAIL SHALL BE USED WHEREVER THE TRENCH IS MADE IN THE PROPOSED ROADWAY SUBGRADE, AND WHEREVER THE INNER EDGE OF THE TRENCH IS CLOSER THAN 2' TO THE EDGE OF THE PROPOSED PAVEMENT, CURB AND GUTTER, AND SIDEWALK.




City of Naperville
**STANDARD
DETAIL**

**STORM SEWER TRENCH
SECTION IN PAVED AREAS**
REVISED: 01/01/2013 SHEET 1 OF 1

290.20
STORM 20



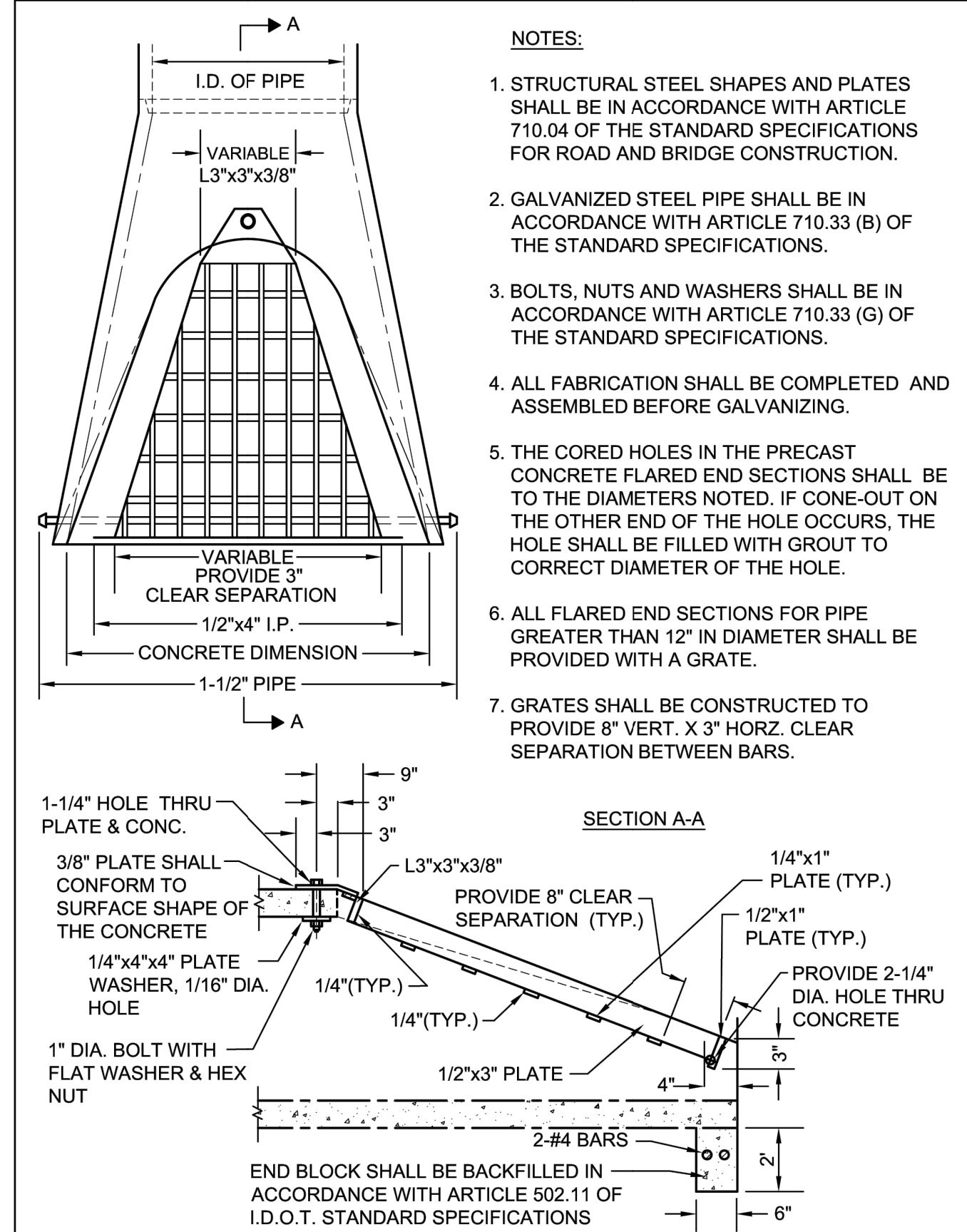
- NOTE:
- FOR PVC AND HDPE PIPE, BACKFILL WITH AGGREGATE MATERIAL (CA-6) TO 6" ABOVE THE TOP OF PIPE.




City of Naperville
**STANDARD
DETAIL**

**STORM SEWER TRENCH
SECTION IN NON-PAVED AREAS**
REVISED: 01/01/2013 SHEET 1 OF 1

290.21
STORM 21

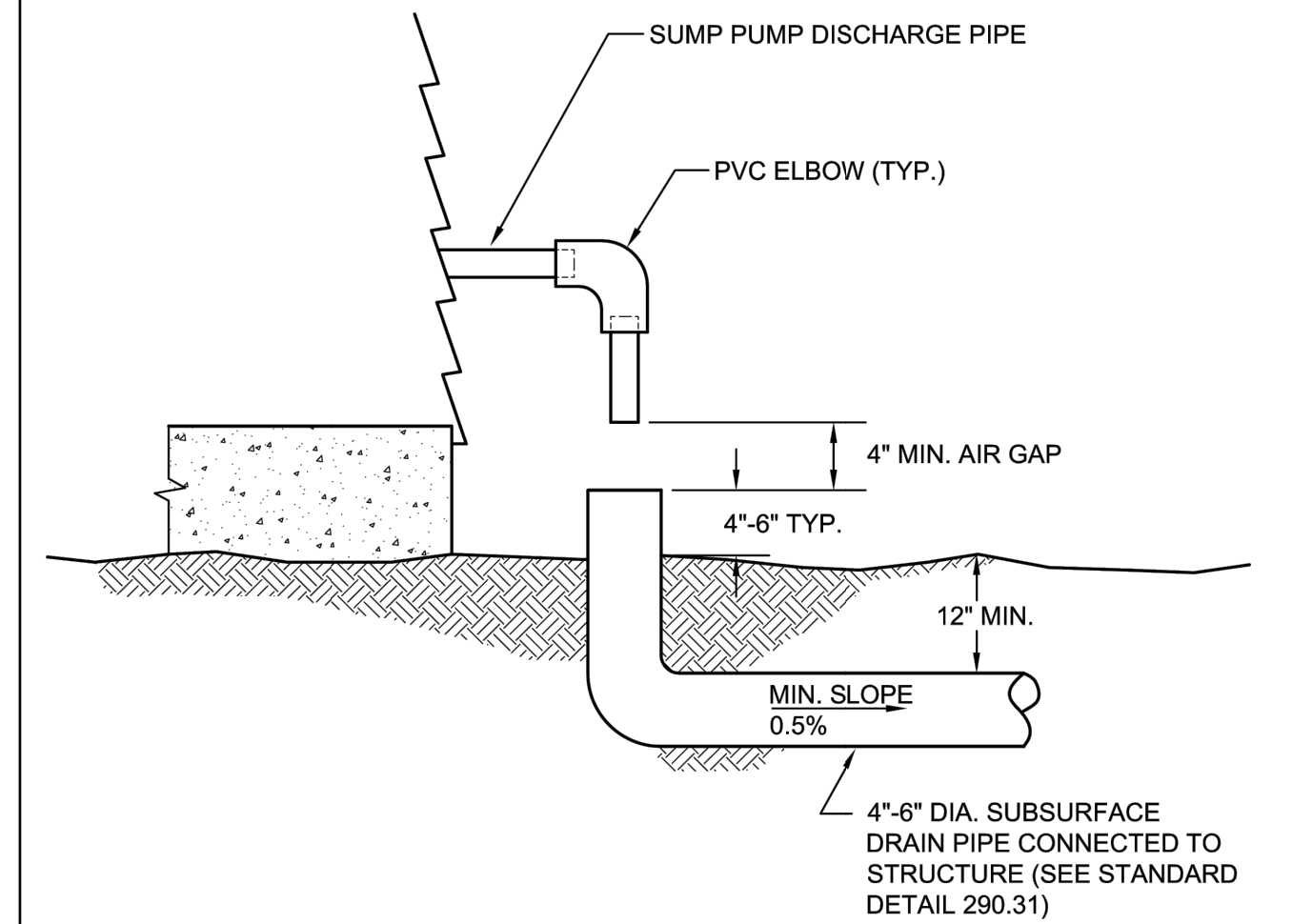





City of Naperville
**STANDARD
DETAIL**

**GRATING FOR CONCRETE
FLARED END SECTION**
REVISED: 01/01/2013 SHEET 1 OF 1

290.22
STORM 22

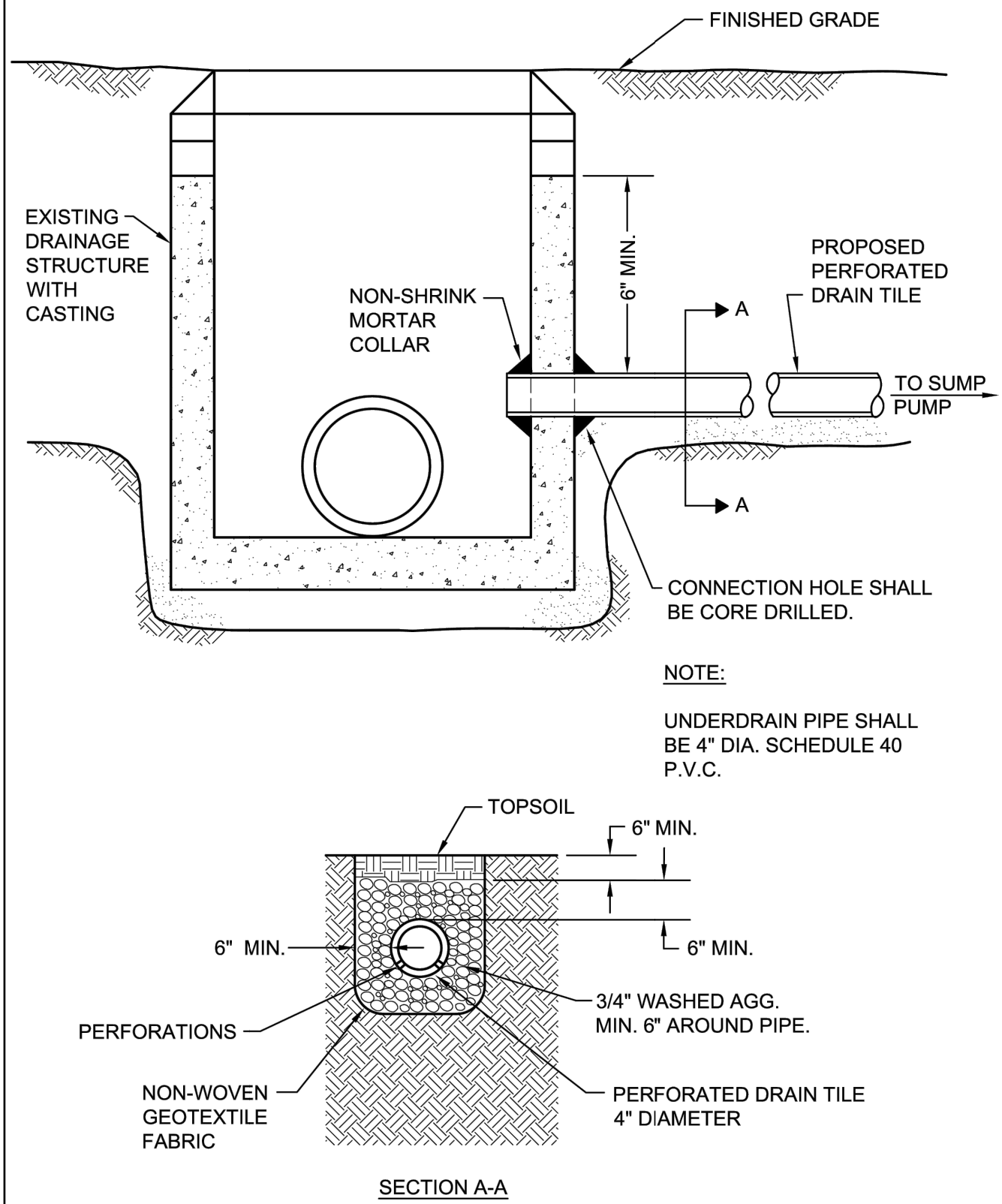





City of Naperville
**STANDARD
DETAIL**

SUMP PUMP CONNECTION
REVISED: 01/01/2013 SHEET 1 OF 1

290.30
STORM 30



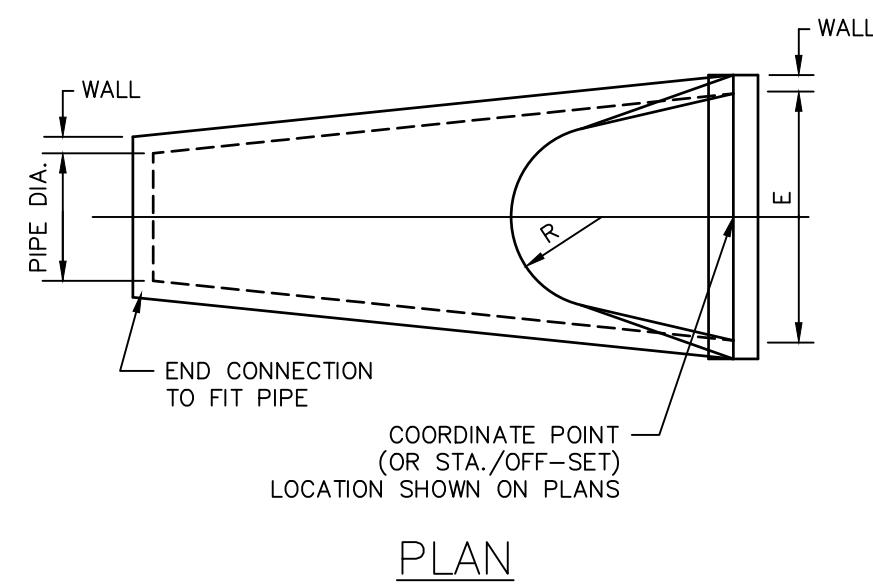
- NOTE:
- UNDERDRAIN PIPE SHALL BE 4" DIA. SCHEDULE 40 P.V.C.



City of Naperville
**STANDARD
DETAIL**

**SUMP PUMP CONNECTION
TO DRY WELL**
REVISED: 01/01/2013 SHEET 1 OF 1

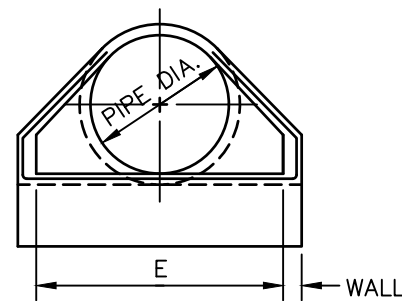
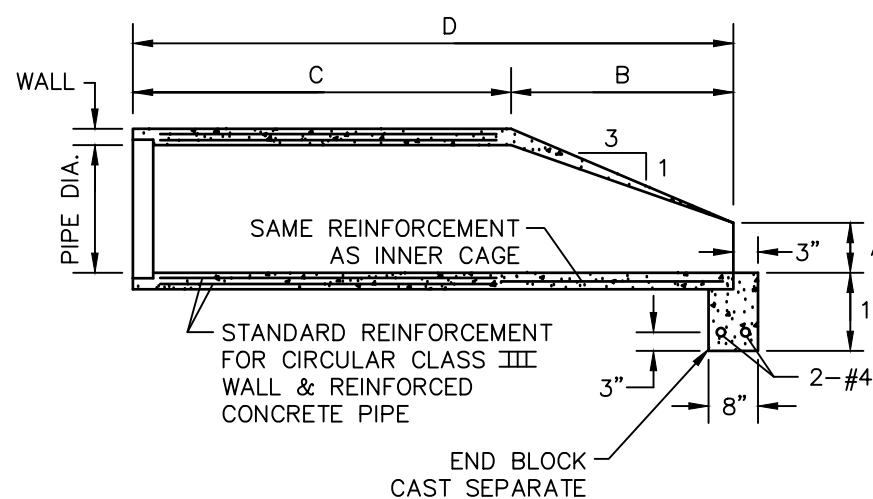
290.31
STORM 31



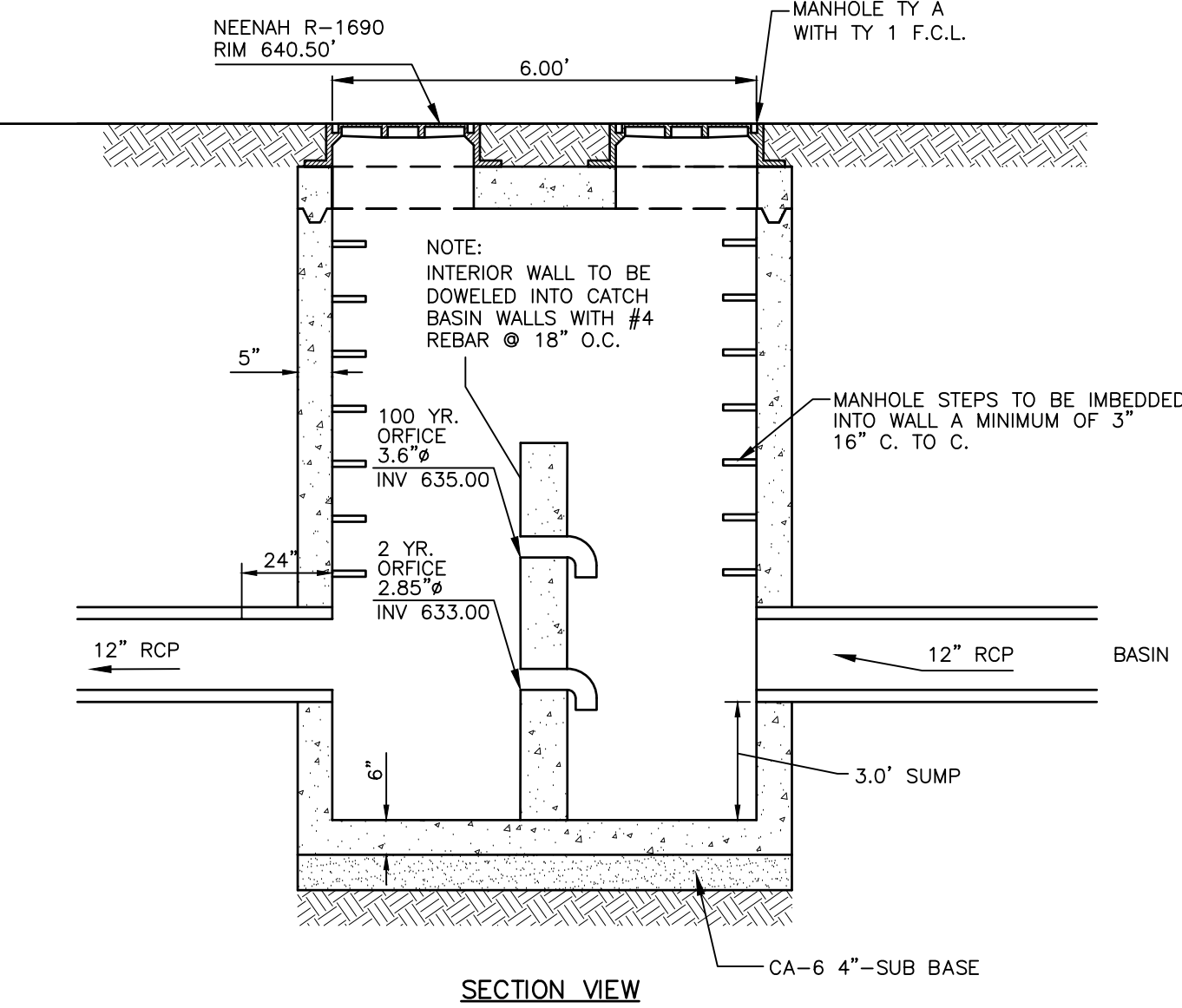
PIPE DIA.	WALL	A	B	C	D	E	R	SLOPE
12"	2"	4"	2'-0"	4'-1/2"	6'-1/2"	2"-0"	9"	3:1
15"	2-1/2"	6"	2'-3"	3'-10"	6'-1"	2'-6"	11"	3:1
18"	2-1/2"	9"	2'-3"	3'-10"	6'-1"	3'-0"	12"	3:1
21"	2-3/4"	9"	2'-11"	3'-2"	6'-1"	3'-6"	13"	3:1
24"	3"	9-1/2"	3'-7-1/2"	2'-6"	6'-1-1/2"	4'-0"	14"	3:1
27"	3-1/4"	10-1/2"	4'-1-1/2"	2'-0"	6'-1-1/2"	4'-6"	15"	3:1
42"	4-1/2"	21"	5'-3"	2'-11"	8'-2"	6'-6"	24"	3:1

- * 2'-1-1/4" ϕ CAST HOLES EACH PLACED AT 60° TO THE VERTICAL TO ACCOMMODATE 2'-1" ϕ TIE BOLTS, USED IN TIEING FLARED END SECTION TO ADJACENT STRAIGHT SECTION. TIE BOLTS SHALL BE PLACED.

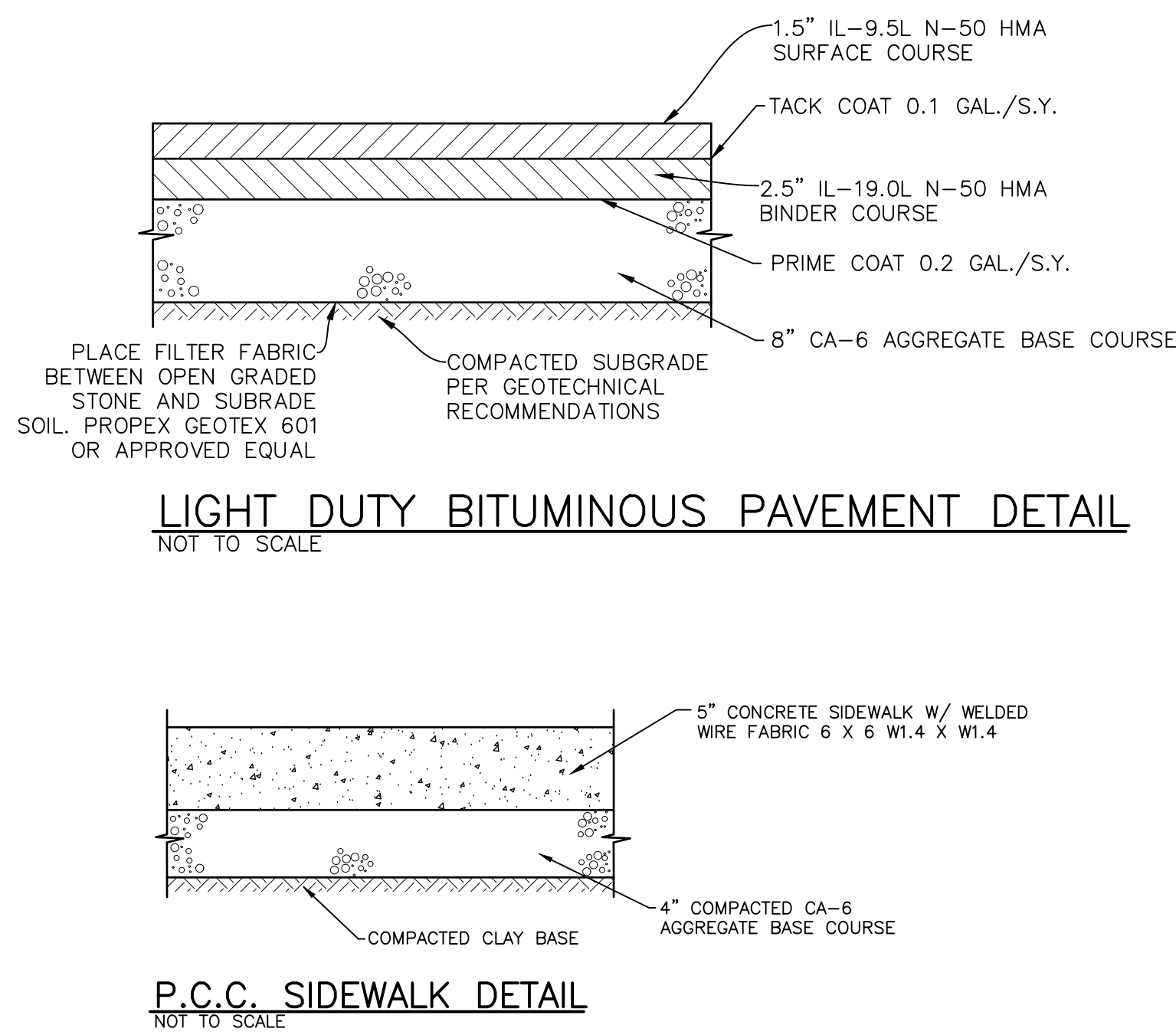
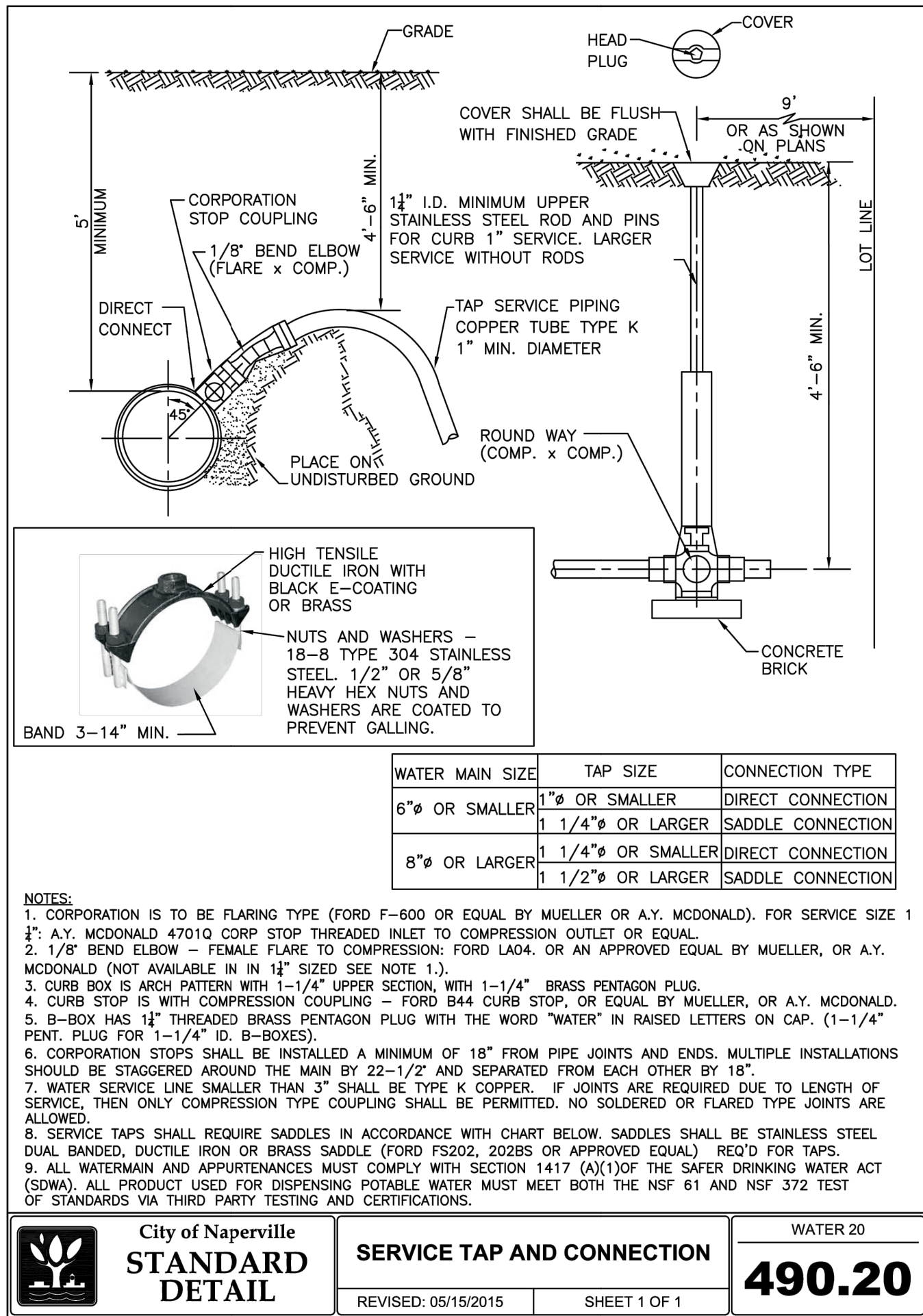
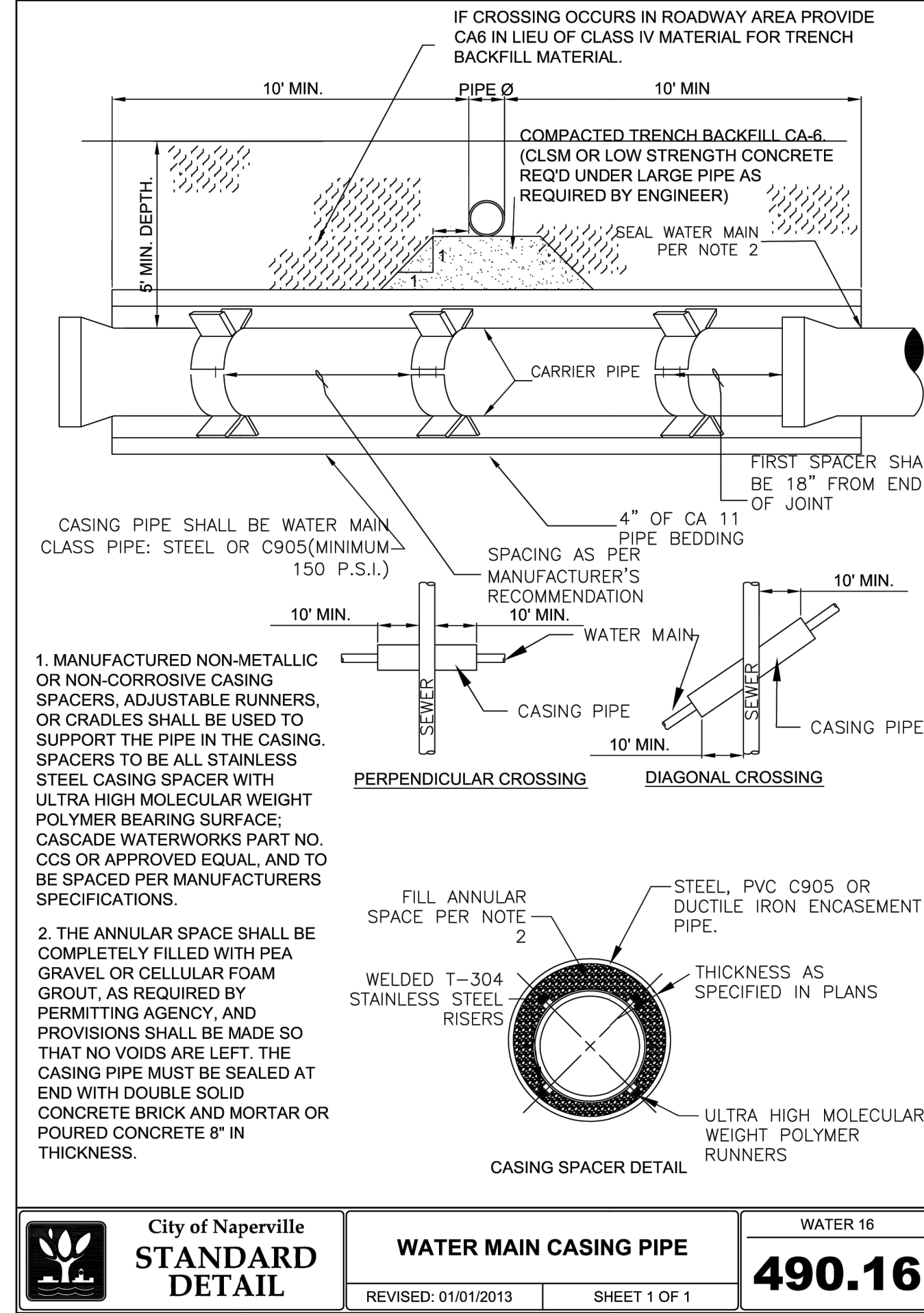
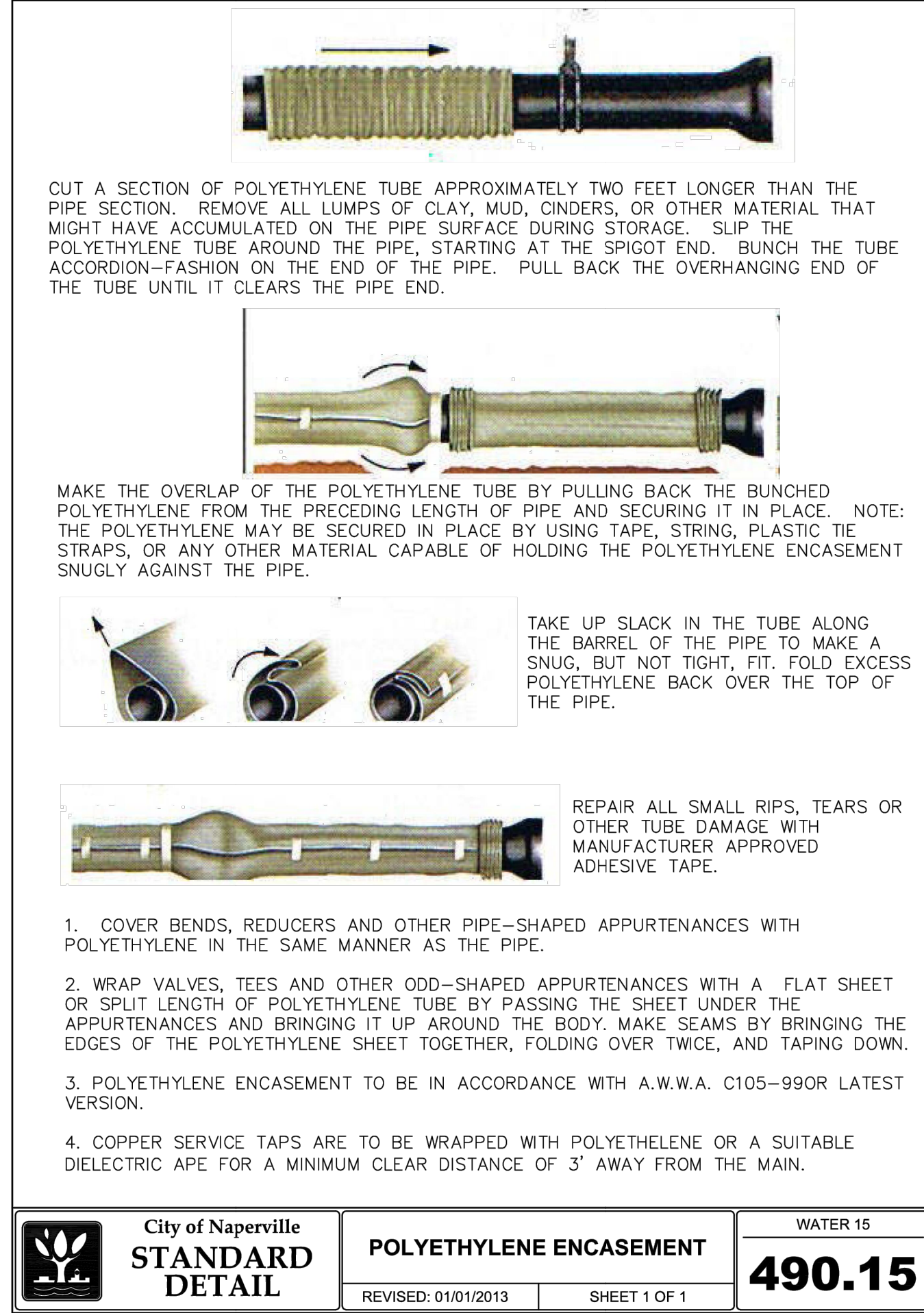
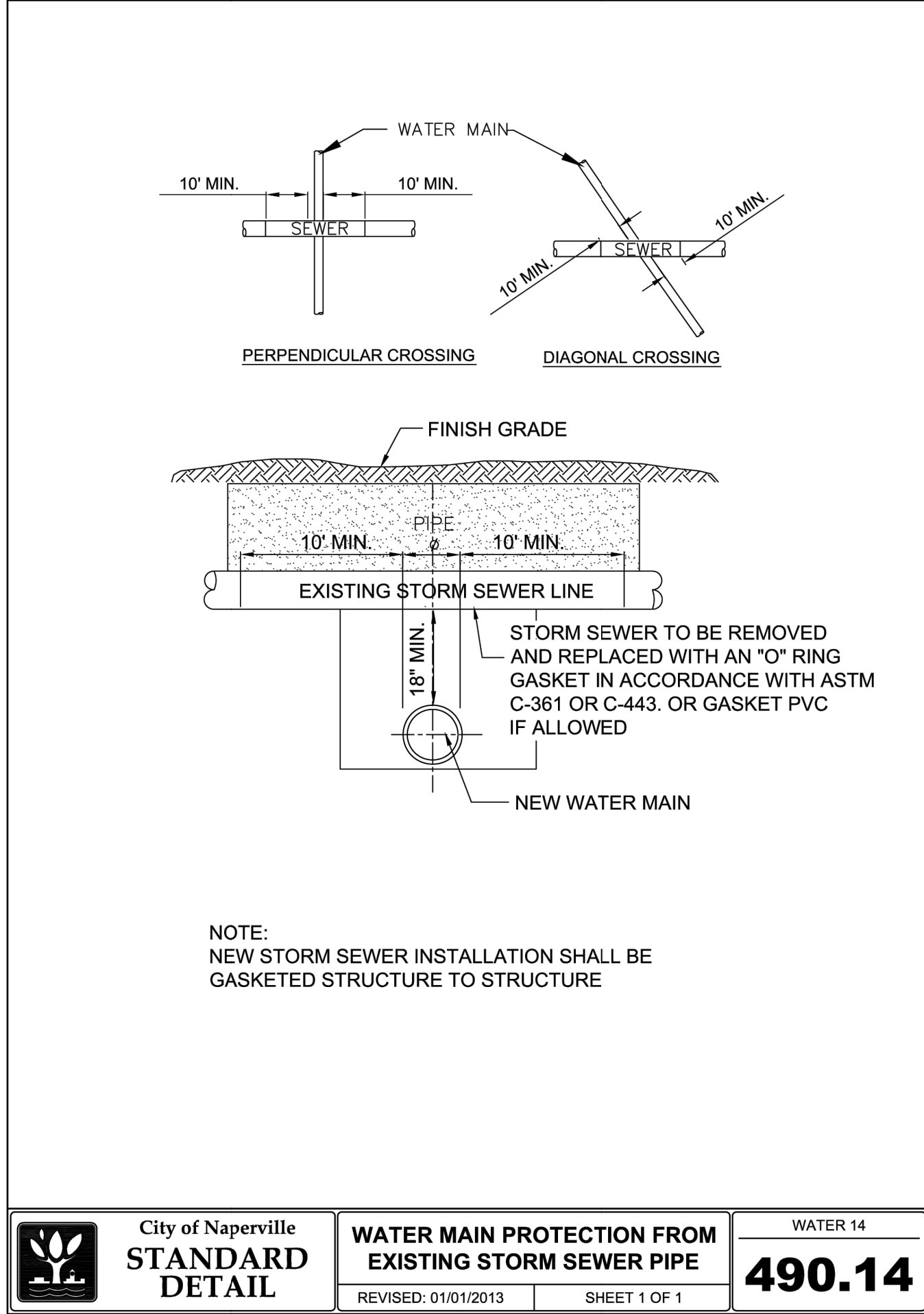
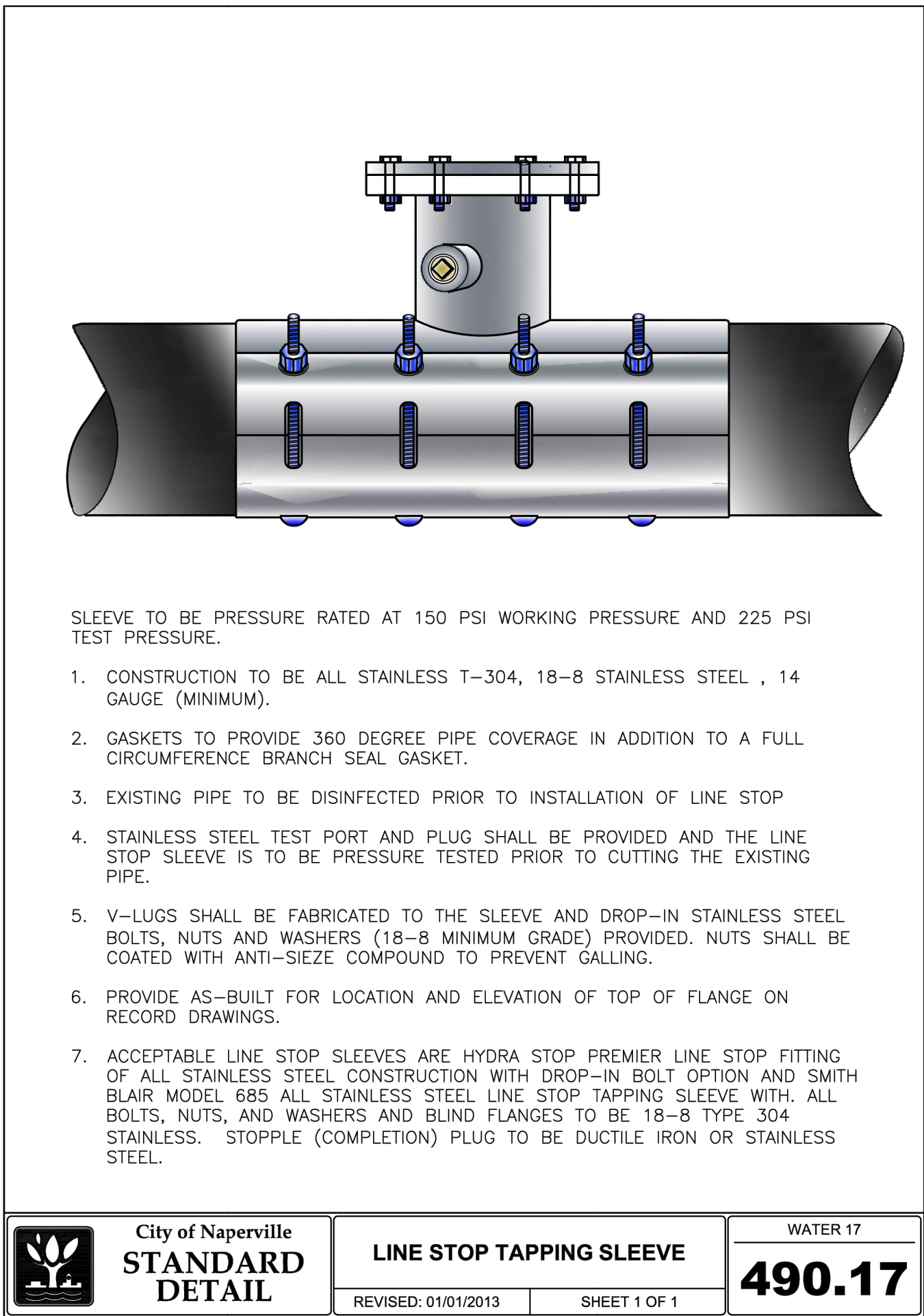
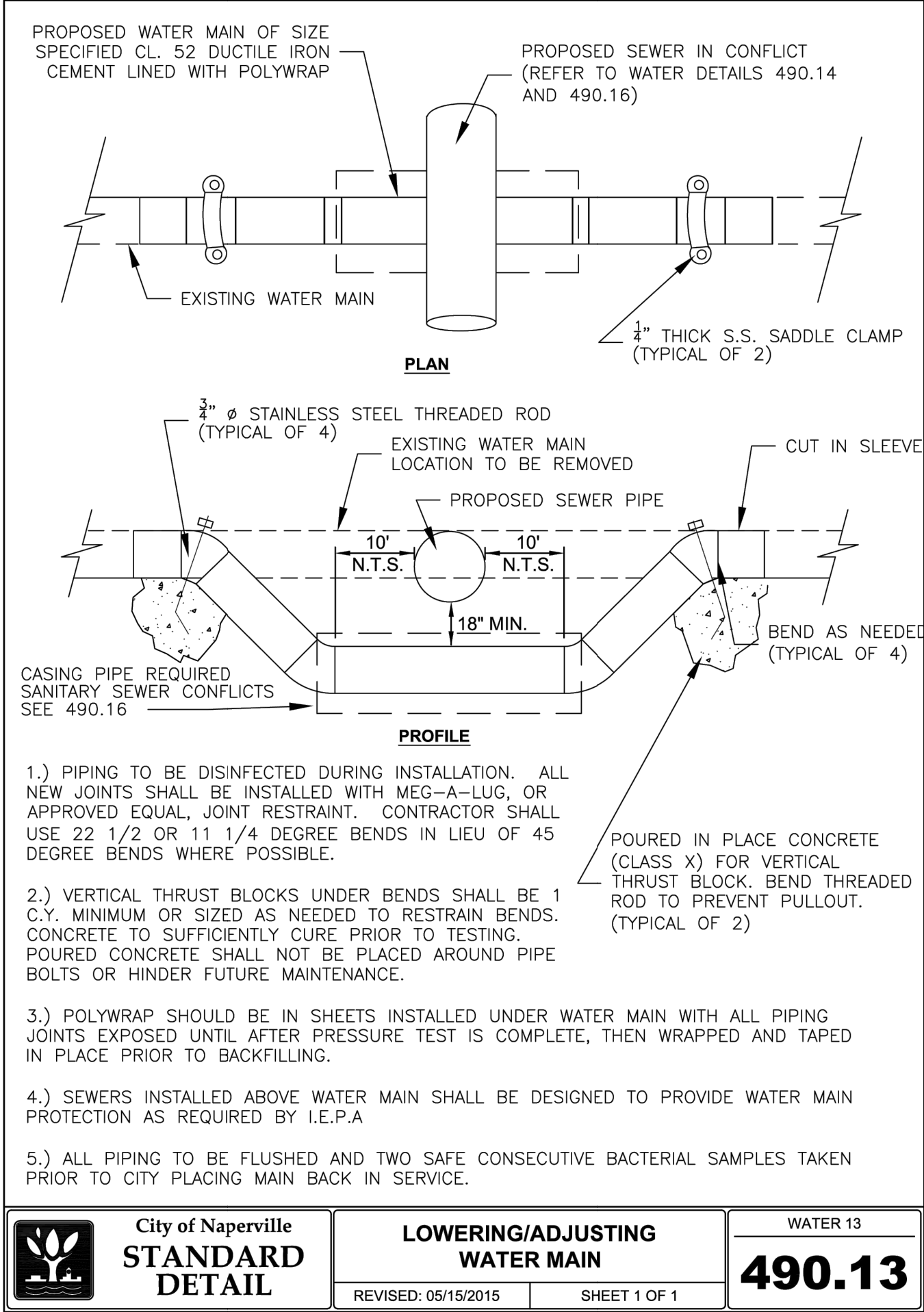
- NOTES:
1. PRECAST CONCRETE FLARED END SECTION SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M-170 CLASS III, WALL & REINFORCED CONCRETE PIPE.
 2. LENGTHS OF PIPE WHICH TERMINATE WITH A FLARED END SECTION INCLUDE THE LENGTH OF THE FLARED END SECTION.

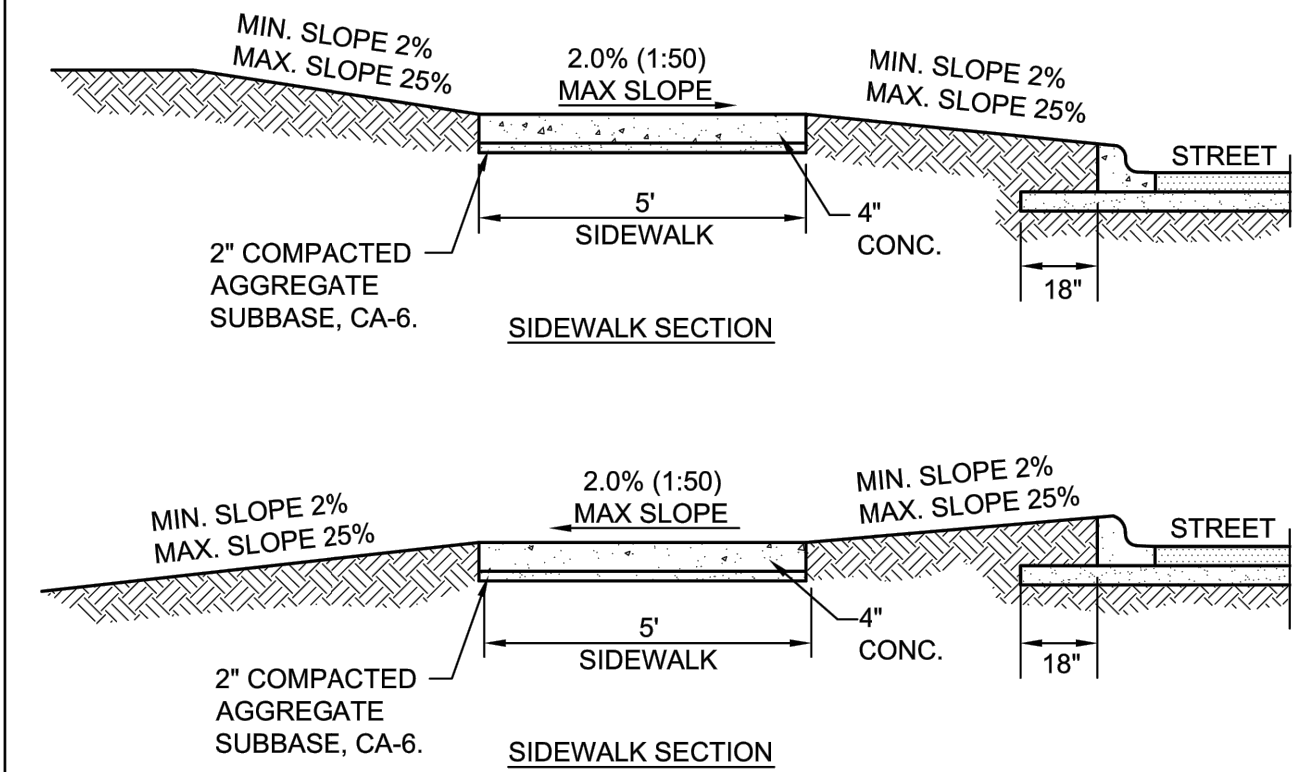


**PRECAST REINFORCED CONCRETE
FLARED END SECTION**
NOT TO SCALE



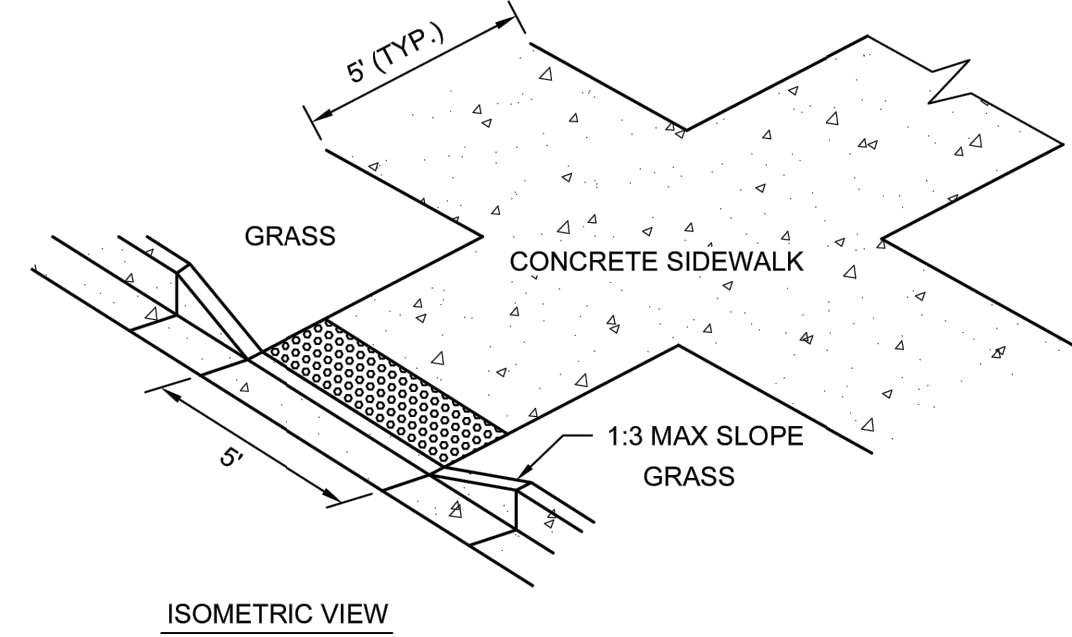
RESTRICTOR MANHOLE DETAIL
NOT TO SCALE





- NOTES:
1. CONCRETE SHALL BE IDOT CLASS SI.
 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		PAVEMENT 30
	STANDARD DETAIL		590.30
REVISD: 01/01/2013		SHEET 1 OF 1	

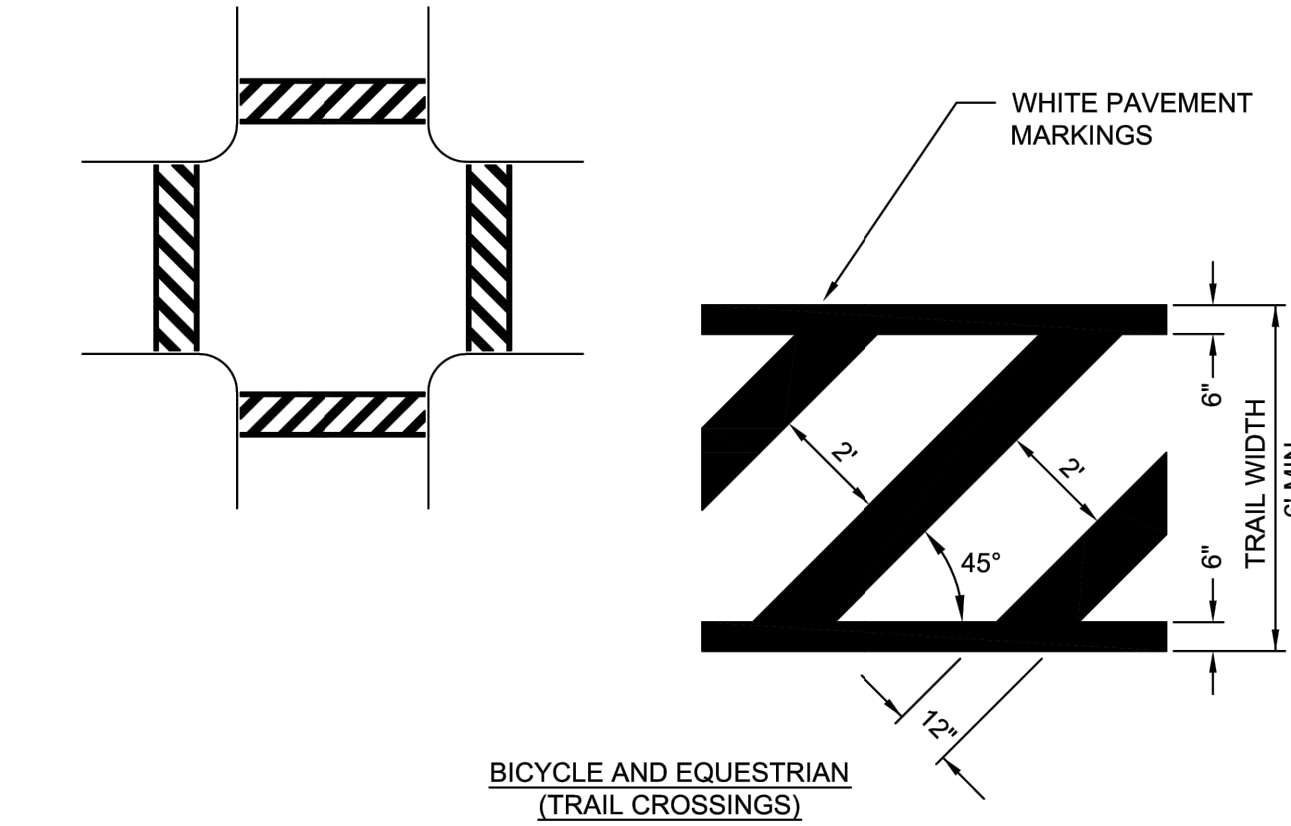
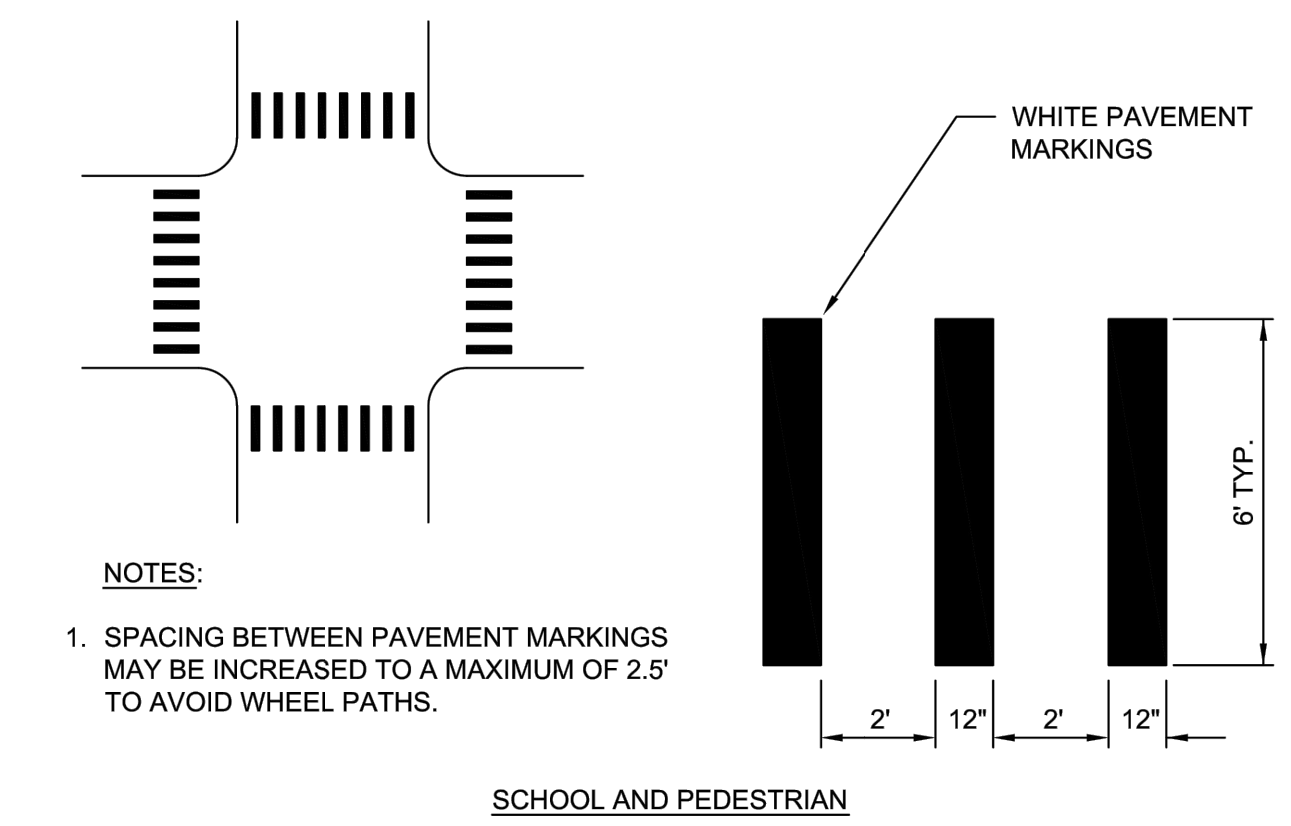



- NOTES:
1. ALL AGGREGATE SUB-BASE SHALL BE MECHANICALLY COMPACTED.
 2. SIDEWALK THICKNESS AT CURB RAMPS SHALL BE A MINIMUM OF 6" PCC ON 2" AGGREGATE SUB BASE.
 3. SIDEWALK CONSTRUCTION SHALL FOLLOW APPLICABLE IDOT STANDARDS.
 4. SIDEWALKS SHALL FOLLOW CURRENT ADA GUIDELINES.

- APPLICABLE IDOT STANDARD DETAILS (USE LATEST REVISION):
- | | |
|-----------|--|
| 424001-XX | PERPENDICULAR CURB RAMPS FOR SIDEWALKS |
| 424006-XX | DIAGONAL CURB RAMPS FOR SIDEWALKS |
| 424011-XX | CORNER PARALLEL CURB RAMPS FOR SIDEWALKS |
| 424016-XX | MID-BLOCK CURB RAMPS FOR SIDEWALKS |
| 424021-XX | DEPRESSED CORNER FOR SIDEWALKS |
| 424026-XX | ENTRANCE/ALLEY PEDESTRIAN CROSSINGS |
| 424031-XX | MEDIAN PEDESTRIAN CROSSINGS |
| 606001-XX | CONCRETE CURB TYPE B AND COMB CONCRETE CURB AND GUTTER |

- APPROVED ADA DETECTABLE WARNING TILES:
1. ADA SOLUTIONS - CAST IN PLACE REPLACEABLE
 2. ARMOR TILE - CAST IN PLACE
 3. DETECTILE - SLIMTEK II
 4. TUFTILE - POLYMER WET-SET

	City of Naperville		PAVEMENT 32
	STANDARD DETAIL		590.32
REVISD: 08/01/2018		SHEET 1 OF 1	



	City of Naperville		PAVEMENT 33
	STANDARD DETAIL		590.33
REVISD: 06/14/2013		SHEET 1 OF 1	