

NAPERVILLE MICRO-UNIT APARTMENT

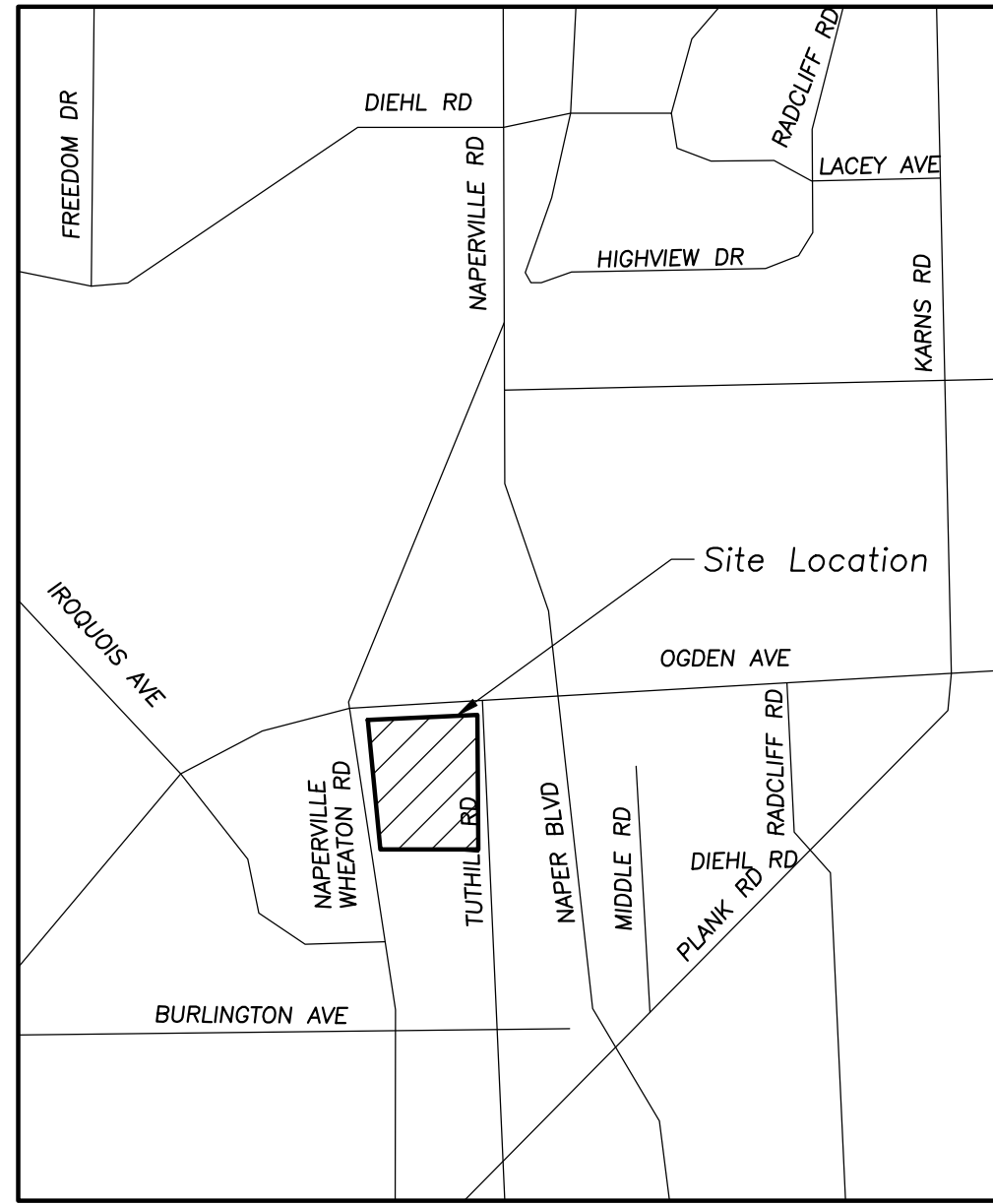
1350 E OGDEN AVE

NAPERVILLE, IL 60563

CITY OF NAPERVILLE STANDARD NOTES

- THE OWNER OR HIS/HER/THEIR REPRESENTATIVE IS RESPONSIBLE TO OBTAIN ANY AND ALL PERMITS REQUIRED BY APPLICABLE GOVERNMENTAL AGENCIES.
 - 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).
 - ALL CONTRACTORS DOING WORK IN THE PUBLIC RIGHT-OF-WAY MUST BE LICENSED (WHEN APPLICABLE) TO MAKE PUBLIC IMPROVEMENTS WITHIN THE NAPERVILLE CORPORATE LIMITS.
 - THE CONTRACTOR/DEVELOPER ASSUMES ALL RESPONSIBILITY AND LIABILITY FOR ANY ACTION RESULTING FROM THEIR WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
 - THE CONTRACTOR/DEVELOPER SHALL INDEMNIFY AND HOLD HARMLESS THE CITY OF NAPERVILLE.
 - PRIOR TO COMMENCEMENT OF ANY OFF-SITE CONSTRUCTION, THE CONTRACTOR SHALL SECURE WRITTEN AUTHORIZATION THAT ALL CITY EASEMENTS HAVE BEEN SECURED AND THAT PERMISSION HAS BEEN GRANTED TO ENTER ONTO PRIVATE PROPERTY.
 - 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. A PRE-CONSTRUCTION MEETING WILL NOT BE SCHEDULED UNTIL THE PROJECT HAS BEEN APPROVED BY THE CITY OF NAPERVILLE DEVELOPMENT REVIEW TEAM AND THE REQUIRED SURETY HAS BEEN POSTED.
 - A MINIMUM OF 48 HOURS NOTICE SHALL BE GIVEN TO THE CITY OF NAPERVILLE TED BUSINESS GROUP (630-420-6000) PRIOR TO STARTING WORK OR RESTARTING WORK AFTER SOME ABSENCE OF WORK FOR ANY REASON.
 - IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ADEQUATELY IDENTIFY AND LOCATE ALL EXISTING UTILITIES PRIOR TO EXCAVATION. BEFORE STARTING CONSTRUCTION, THE CONTRACTOR SHALL CONTACT J.U.L.I.E. FOR THE LOCATION OF ANY AND ALL UTILITIES. THE TOLL-FREE NUMBER IS 800-892-0123. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ANY PRIVATE FACILITIES OR NON-JUICE MEMBER FACILITIES.
 - THE CONTRACTOR CAN SCHEDULE ALL NECESSARY SITE INSPECTIONS WITH THE CITY OF NAPERVILLE BY CALLING (630) 420-6082 BETWEEN THE HOURS OF 8:00AM AND 4:00PM (CLOSED 10:00P TO 2:00PM DAILY) ON WEEKDAYS WHEN THE CITY IS OPEN FOR BUSINESS. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE THE SITE PERMIT NUMBER FOR THE PROJECT IN ORDER TO SCHEDULE THE INSPECTIONS.
 - RECORD DRAWINGS ARE REQUIRED TO BE SUBMITTED AND APPROVED BY THE CITY OF NAPERVILLE PRIOR TO FINAL OCCUPANCY MEASURES BEING GRANTED.
 - 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. UTILITIES ARE NOT CONSIDERED ACCEPTED UNTIL THEY ARE FORMALLY ACCEPTED BY THE CITY COUNCIL AS REQUIRED IN ACCORDANCE WITH THE NAPERVILLE MUNICIPAL CODE.
- STORM SEWER NOTES (GENERAL)**
- 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. ALL LOCATIONS OF ENCOUNTERED FIELD DRAINAGE TILE SHALL BE PROPERLY INDICATED ON THE CONTRACTOR'S RECORD DRAWINGS.
- STORM SEWER NOTES**
- THE FOLLOWING MATERIALS ARE PERMITTED FOR STORM SEWER AND PIPE CURVEWORK, WHERE A PARTICULAR MATERIAL IS SPECIFIED IN THE PLANS OR SPECIAL PROVISIONS, NO OTHER KIND OF MATERIAL WILL BE PERMITTED.
 - REINFORCED CONCRETE PIPE (RCP) - REINFORCED CONCRETE PIPE SHALL CONFORM TO ASTM DESIGNATION C 76, CLASSES I, II, III, IV OR V. BITUMINOUS JOINTS SHALL CONFORM TO ASTM DESIGNATIONS C 14 OR C 76 AS MAY BE APPLICABLE. BITUMINOUS MATERIAL SHALL CONSIST OF A HOMOGENEOUS BLEND OF BITUMEN, INERT FILLER, AND SUITABLE SOLVENT APPROVED BY THE CITY ENGINEER. RUBBER GASKET JOINTS SHALL CONFORM TO ASTM C 433. REINFORCED CONCRETE PIPE SHALL ALSO BE PERMITTED AS ROUND, ELIPTICAL OR BOX SHAPED OR AS REINFORCED CONCRETE ARCH CULVERT.
 - NON-REINFORCED CONCRETE PIPE - NON-REINFORCED CONCRETE PIPE SHALL BE ALLOWED FOR PIPES WITH A 30 INCH OR SMALLER DIAMETER. NON-REINFORCED CONCRETE PIPE SHALL CONFORM TO ASTM DESIGNATION C 14, CLASS 3. BITUMINOUS JOINTS SHALL CONFORM TO ASTM DESIGNATIONS C 14 OR C 76 AS MAY BE APPLICABLE. BITUMINOUS MATERIAL SHALL CONSIST OF A HOMOGENEOUS BLEND OF BITUMEN, INERT FILLER, AND SUITABLE SOLVENT APPROVED BY THE CITY ENGINEER. RUBBER GASKET JOINTS SHALL CONFORM TO ASTM C 433.
 - DUCTILE IRON PIPE (DIP) - DUCTILE IRON PIPE SHALL CONFORM TO ANSI A 21.5 (AWWA C 150), CLASS 150, THICKNESS DESIGNATED PER ANSI A 21.4 (AWWA C 150), TAR (SEAL) COATED AND CEMENT LINED PER ANSI A 21.4 (AWWA C 150), WITH MECHANICAL OR RUBBER RING (SLIP SEAL OR PUSH ON) JOINTS. ALL DUCTILE IRON PIPE SHALL BE WROUGHT WITH POLYETHYLENE.
 - POLYVINYL CHLORIDE PIPE (PVC) - POLYVINYL CHLORIDE (PVC) PIPE SHALL CONFORM TO ASTM D 3034, TYPE PSM. THE MINIMUM STANDARD DIMENSION RATIO (SDR) SHALL BE 26. THE PIPE SHALL BE MADE OF PVC PLASTIC HAVING A MINIMUM CELL CLASSIFICATION OF 12450. THE PIPE SHALL HAVE A MINIMUM PIPE STIFFNESS OF FORTY-SIX (46) LBS. PER INCH (S17 KP). JOINTS FOR PVC PIPE SHALL BE FLEXIBLE ELASTOMERIC SEALS PER ASTM 3322.
 - HIGH DENSITY POLYETHYLENE PIPE (HDPE) - HIGH-DENSITY POLYETHYLENE (HDPE) PIPE SHALL CONFORM TO THE REQUIREMENTS OF ASTM D 3350 AND M 254. PIPE AND FITTINGS SHALL BE MADE FROM VIRGIN PE COMPOUNDS WHICH CONFORM TO THE REQUIREMENTS OF CELL CLASS 32420C AS DEFINED AND DESCRIBED IN ASTM D 3350. RUBBER GASKET JOINTS SHALL BE USED.
 - FULLY GALVANIZED CORRUGATED STEEL PIPE - FULLY GALVANIZED CORRUGATED STEEL PIPE SHALL CONFORM TO THE REQUIREMENTS OF ADRWAY CROSSINGS ONLY WHEN A DITCH SECTION IS PRESENT. THE MINIMUM CULVERT SIZE IS 12" DIAMETER.
 - BEEDING OTHER THAN CONCRETE EMBANKMENT, SHALL CONSIST OF GRAVEL, CRUSHED GRAVEL, OR CRUSHED STONE 1/4 INCH IN SIZE, AS A MINIMUM. THE MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF IDOT STANDARD SPECIFICATIONS. THE GRADATION SHALL CONFORM TO GRADATION CA-7 OR CA-11 OF THE STANDARD SPECIFICATIONS.
 - BACKFILL MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF IDOT STANDARD SPECIFICATIONS. THE GRADATION SHALL CONFORM TO GRADATION CA-6 OF THE STANDARD SPECIFICATIONS. BACKFILL MATERIAL SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY.
 - ANY TEMPORARY OPEN HOLES SHOULD BE BARRICADED AND PROTECTED IN ACCORDANCE WITH APPLICABLE STANDARDS.

JG 10.11.19



SITE LOCATION MAP (N.T.S.)

INDEX OF SHEETS

C000	CIVIL ENGINEERING COVER SHEET
C001	EXISTING CONDITIONS
C100	SITE DEMOLITION PLAN
C200	SITE GEOMETRY PLAN
C300	SITE UTILITY PLAN
C400	GRADING, PAVING AND SESS PLAN
C401	SITE GRADING DETAILS
C500	SITE WORK DETAILS
C501	SITE WORK DETAILS
C502	SITE WORK DETAILS
C503	SITE WORK DETAILS
C504	SITE WORK DETAILS

JG 10.11.19

SURVEY PROVIDED BY:

Plot of Survey and Topography Provided by Haeger Engineering, For MZ Capital Partners on 2019-09-10, Order Number 19171.

PROJECT BENCHMARKS

REFERENCE BENCHMARK: (CITY OF NAPERVILLE BENCHMARK 703)
DESCRIPTION: BERNSTEIN 30 TOP SECURITY MONUMENT, CONSISTING OF 9/16" DIA. STAINLESS STEEL DATUM POINT ON THREADED 9/16" X 4" LONG ROD TOTALING (8") IN LENGTH WITH GREASED TOP SECURITY SLEEVE ENCLOSED IN SAND AND 6" PVC PIPE WITH BMAC 6 ALUMINUM ACCESS COVER.
APPROXIMATE LOCATION: NORTH SIDE OGDEN APPROX. 300 WEST OF NAPERVILLE/HEATON ROAD
NORTHING: 1,864,273.65
EASTING: 1,041,494.29
ELEVATION: 780.31 NAVD 88

REFERENCE BENCHMARK: (CITY OF NAPERVILLE BENCHMARK 705)
DESCRIPTION: BERNSTEIN 30 TOP SECURITY MONUMENT, CONSISTING OF 9/16" DIA. STAINLESS STEEL DATUM POINT ON THREADED 9/16" X 4" LONG ROD TOTALING (8") IN LENGTH WITH GREASED TOP SECURITY SLEEVE ENCLOSED IN SAND AND 6" PVC PIPE WITH BMAC 6 ALUMINUM ACCESS COVER.
APPROXIMATE LOCATION: SOUTH SIDE OF OGDEN AVENUE, APPROX. 70' WEST OF COLUMBIA ST.
NORTHING: 1,864,273.65
EASTING: 1,037,790.39
ELEVATION: 734.64 NAVD 88

SITE BENCHMARK 1: CP #1063
DESCRIPTION: HYDRANT TAG BOLT
ELEVATION=764.98' DATUM=NAVD88-GEOD 12A
SIGNED: _____
ILLINOIS REGISTRATION NUMBER: 062-046570

DEPARTMENT OF PUBLIC UTILITIES WATER/WASTEWATER 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 630-420-4122 for scheduling.

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.

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 sides, and 7' to the rear of the electrical transformer.

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".

Existing ductile iron systems for restraining push-on pipe bells shall be MEGALUG SERIES 1100HD or FORD SERIES 1390.

Existing ductile iron systems requiring restraint shall be MEGALUG SERIES 1100SD (split MEGALUG) for mechanical joints.

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.

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 and other appurtenances (manholes), open 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.

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 Molding 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.

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.

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, sanitary service 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-Seek or approved equal.

The contractor shall rotate and/or adjust any existing and/or new hydrant to the satisfaction of the Department of Public Utilities.

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 minimum of 4 hours. A minimum of 5 psi drop in test pressure shall be allowed. 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. A minimum 4" diameter water recovery test shall be completed at the end of the testing period to show actual leakage and that the water main did not have too much trapped air in the tested section.

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

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.

All valve boxes, vaults, hydrants, and manholes shall not be covered with construction debris and shall remain accessible to the respective utility company. 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.

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 minimum of 10" (229 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:
48-inch diameter - 60 seconds
60-inch diameter - 75 seconds
72-inch diameter - 90 seconds
84-inch diameter - 105 seconds
Any manholes that fail the test shall be sealed and re-tested until acceptable.

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.

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.

All excavations more than 20 feet deep must be protected by a system designed by a registered professional engineer.

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.

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.

All brass components shall be certified to be lead free in compliance with NSF 61 and NSF 372 and identified with applicable markings.

STATEMENT OF OPINION

PURSUANT TO THE NAPERVILLE MUNICIPAL CODE, I, MICHAEL J. RENNERT, A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF ILLINOIS, HEREBY DECLARE THAT THESE "RECORD DRAWINGS" PERTAINING TO WATERMAIN, SANITARY SEWER, STORM SEWER, STORMWATER MANAGEMENT CONSISTING OF SHEETS C000 THRU C003 INCLUDED HEREWITH, HAVE BEEN PREPARED FOR A CERTAIN PROJECT AND CONTAIN ALL INFORMATION AS OBTAINED BY THE SURVEYOR TFW, INC. AND THE CONTRACTOR TRIUMPH CONSTRUCTION SERVICES, INC. IT IS MY PROFESSIONAL OPINION THAT THESE "RECORD DRAWINGS" ADEQUATELY DEPICT THE RECORD DRAWING INFORMATION REQUIRED BY THE CITY OF NAPERVILLE'S "RECORD DRAWING PROCEDURES AND STANDARDS FOR CIVIL ENGINEERING SITE WORK IMPROVEMENTS" DOCUMENT BEARING THE EFFECTIVE DATE OF DECEMBER 7, 2017, AND SUBSTANTIATE THAT THE IMPROVEMENTS CONSTRUCTED AS PART OF THIS PROJECT WILL FUNCTION IN SUBSTANTIAL CONFORMANCE TO THE DESIGN INTENT OF THE APPROVED ENGINEERING PLANS.

DATED: _____
SIGNED: _____
ILLINOIS REGISTRATION NUMBER: 062-046570



**ERIKSSON
ENGINEERING
ASSOCIATES, LTD.**
135 S JEFFERSON ST. SUITE 135
CHICAGO, ILLINOIS 60661
PHONE: (312) 463-0551
FAX: (847) 223-4864
EMAIL: INFO@EEA-LTD.COM
PROFESSIONAL DESIGN FIRM
LICENSE NO. 184-0039220
EXPIRES: 04/30/2021

**NAPERVILLE
MICRO-UNIT APARTMENT**
1350 E. Ogden Ave.
Naperville, Illinois

Reserved for Seal:



Expiration Date: 11/30/2019

No.	Date	Description
1	07/12/19	Issued For Zoning
2	09/20/19	Issued For Zoning Revisions
3	10/11/19	Issued For Zoning Revisions

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**CIVIL
ENGINEERING
COVER SHEET**

Sheet No:
C000

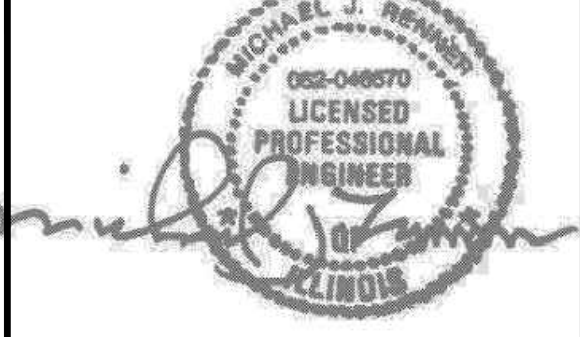
**SURVEY PROVIDED BY HAEGER ENGINEERING
AND SHOWN FOR INFORMATIONAL PURPOSES
ONLY AND DOES NOT REPRESENT AN ELEMENT
DESIGNED BY ERIKSSON ENGINEERING
ASSOCIATES, LTD.**



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FAX: (847) 223-4864
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**NAPERVILLE
MICRO-UNIT APARTMENT**
1350 E. Ogden Ave.
Naperville, Illinois

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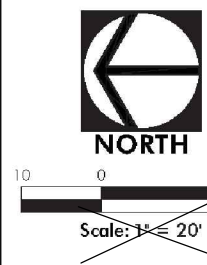
Design By:	JG	Date:	07/12/19
Approved By:	MR	Project No.:	0000.00

Sheet Title:
**EXISTING
CONDITIONS**

Sheet No.:
C001

LEGAL DESCRIPTION

LOT 1 AND THE EAST 17.56 FEET OF LOT 2 IN T. AND O. RESUBDIVISION BEING A RESUBDIVISION OF LOTS 1, 2, 3, 24, 25 AND 26 IN BLOCK 4 IN ARTHUR T. MCINTOSH AND COMPANY'S DUPAGE FARMS, BEING A SUBDIVISION OF PART OF SECTION 8, TOWNSHIP 38 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT OF SAID RESUBDIVISION, RECORDED JULY 15, 1982 AS DOCUMENT R62-30010, IN DUPAGE COUNTY, ILLINOIS.

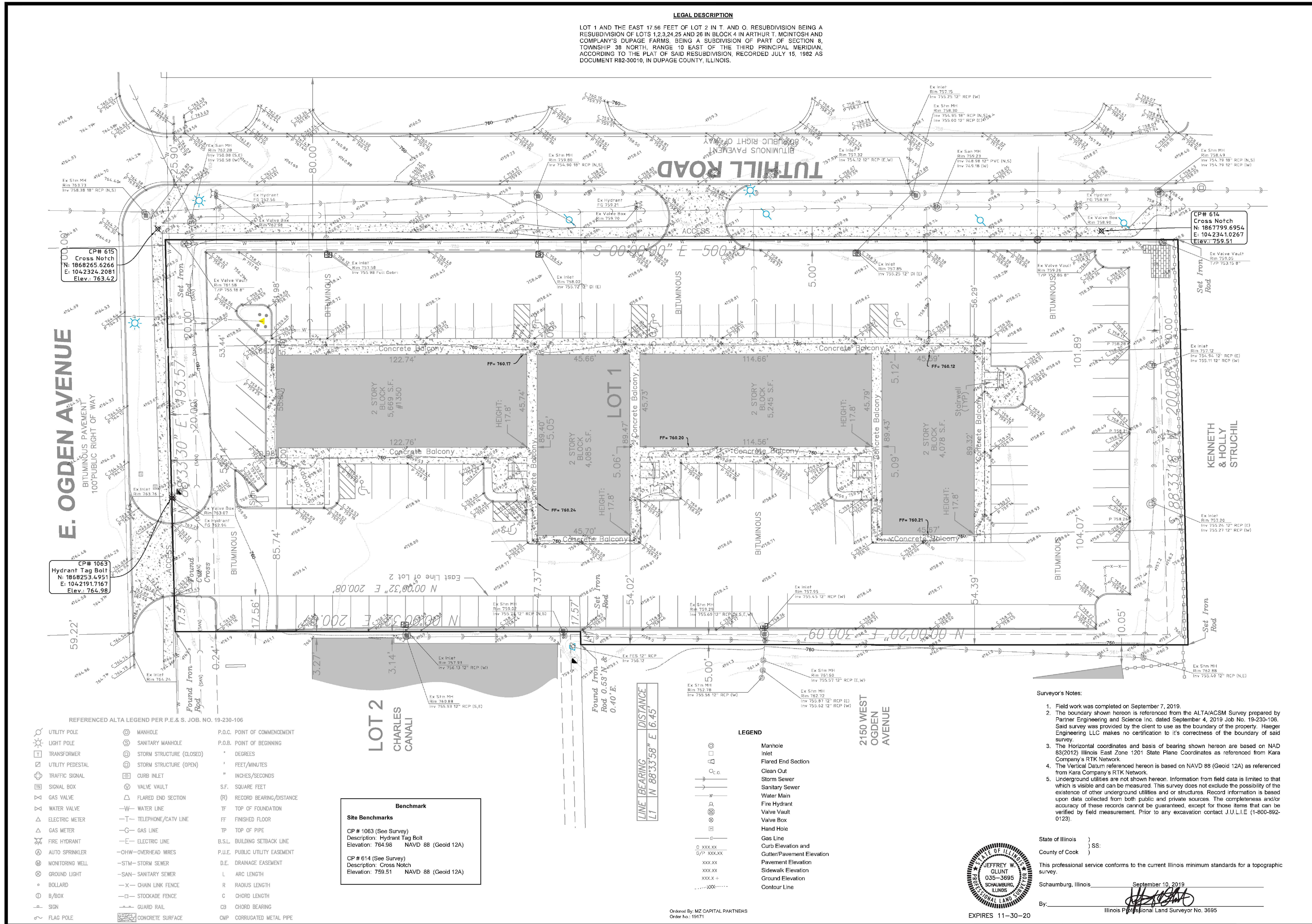


No.	Date	Revision

HAEGER ENGINEERING
consulting engineers • land surveyors
100 East State Parkway, Schaumburg, IL 60173 • 815.347.2944 • Fax: 815.394.6608
Illinois Professional Design Firm License No. 184-003157
www.haegerengineering.com

**TOPOGRAPHIC
SURVEY**
1350 E. OGDEN AVENUE
NAPERVILLE, ILLINOIS

Project Manager: JWG
Drafter: TSK
Date: 2019-09-10
Project No.: 19171
Sheet: 1/1



REFERENCED ALTA LEGEND PER P.E. & S. JOB. NO. 19-230-106

UTILITY POLE	MANHOLE	P.O.C. POINT OF COMMENCEMENT
LIGHT POLE	SANITARY MANHOLE	P.O.B. POINT OF BEGINNING
TRANSFORMER	STORM STRUCTURE (CLOSED)	DEGREES
UTILITY PEDESTAL	STORM STRUCTURE (OPEN)	FEET/MINUTES
TRAFFIC SIGNAL	CURB INLET	INCHES/SECONDS
SIGNAL BOX	VALVE VAULT	SF. SQUARE FEET
GAS VALVE	FLARED END SECTION	(R) RECORD BEARING/DISTANCE
WATER VALVE	WATER LINE	TF TOP OF FOUNDATION
ELECTRIC METER	TELEPHONE/CATV LINE	FF FINISHED FLOOR
GAS METER	GAS LINE	TP TOP OF PIPE
FIRE HYDRANT	ELECTRIC LINE	B.S.L. BUILDING SETBACK LINE
AUTO SPRINKLER	OHW-OVERHEAD WIRES	P.U.E. PUBLIC UTILITY EASEMENT
MONITORING WELL	STM-STORM SEWER	D.E. DRAINAGE EASEMENT
GROUND LIGHT	SAN-SANITARY SEWER	L ARC LENGTH
BOLLARD	CHAIN LINK FENCE	R RADIUS LENGTH
B/BOX	STOCKADE FENCE	C CHORD LENGTH
SIGN	GUARD RAIL	CB CHORD BEARING
FLAG POLE	CONCRETE SURFACE	CMP CORRUGATED METAL PIPE

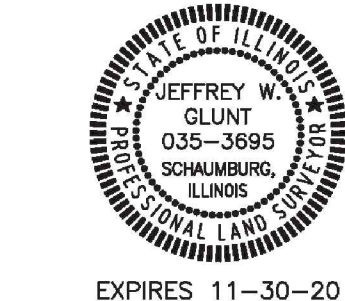
Benchmark

Site Benchmarks
CP # 1063 (See Survey)
Description: Hydrant Tag Bolt
Elevation: 764.98 NAVD 88 (Geoid 12A)

CP # 614 (See Survey)
Description: Cross Notch
Elevation: 759.51 NAVD 88 (Geoid 12A)

LEGEND

Manhole
Inlet
Flared End Section
Clean Out
Storm Sewer
Sanitary Sewer
Water Main
Fire Hydrant
Valve Vault
Valve Box
Hand Hole
Gas Line
Curb Elevation and
Curb/Pavement Elevation
Pavement Elevation
Sidewalk Elevation
Ground Elevation
Contour Line



Surveyor's Notes:

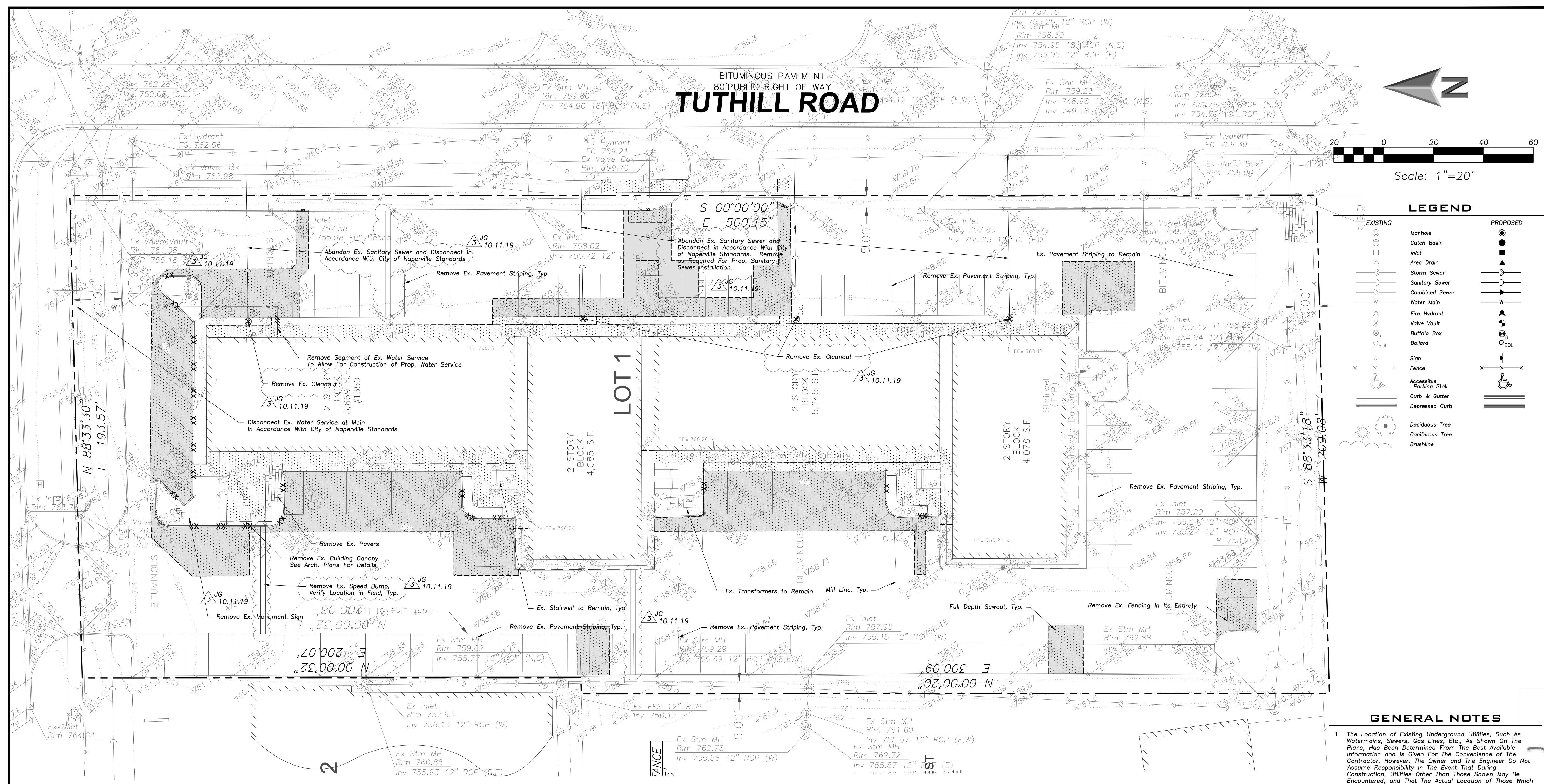
- Field work was completed on September 7, 2019.
- The boundary shown hereon is referenced from the ALTA/ACSM Survey prepared by Partner Engineering and Science Inc. dated September 4, 2019 Job No. 19-230-106. Said survey was provided by the client to use as the boundary of the property. Haeger Engineering LLC makes no certification to its correctness of the boundary of said survey.
- The Horizontal coordinates and basis of bearing shown hereon are based on NAD 83(2011) Illinois East Zone 1201 State Plane Coordinates as referenced from Kara Company's RTK Network.
- The Vertical Datum referenced hereon is based on NAVD 88 (Geoid 12A) as referenced from Kara Company's RTK Network.
- Underground utilities are not shown hereon. Information from field data is limited to that which is visible and can be measured. This survey does not exclude the possibility of the existence of other underground utilities and/or structures. Record information is based upon data collected from both public and private sources. The completeness and/or accuracy of these records cannot be guaranteed, except for those items that can be verified by field measurement. Prior to any excavation contact J.U.L.I.E. (1-800-892-0123).

This professional service conforms to the current Illinois minimum standards for a topographic survey.

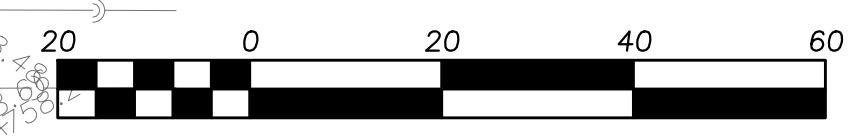
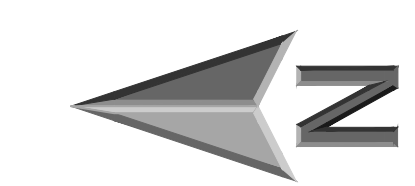
Schaumburg, Illinois, September 10, 2019

By: *[Signature]*
Illinois Professional Land Surveyor No. 3695

EEA - X:\Jeri\LEBB - 1350 E. Ogden Ave - Naperville, IL\Drawings\1350 Ogden - Site Plan.dwg
Plotted: 10/09/19 @ 12:40pm By: jgeldmyer



TUTHILL ROAD



Scale: 1"=20'

LEGEND

EXISTING	PROPOSED
Manhole	Manhole
Catch Basin	Catch Basin
Inlet	Inlet
Area Drain	Area Drain
Storm Sewer	Storm Sewer
Sanitary Sewer	Sanitary Sewer
Combined Sewer	Combined Sewer
Water Main	Water Main
Fire Hydrant	Fire Hydrant
Valve Vault	Valve Vault
Buffalo Box	Buffalo Box
Ballard	Ballard
Sign	Sign
Fence	Fence
Accessible Parking Stall	Accessible Parking Stall
Curb & Gutter	Curb & Gutter
Depressed Curb	Depressed Curb
Deciduous Tree	Deciduous Tree
Coniferous Tree	Coniferous Tree
Brushline	Brushline

GENERAL NOTES

- The Location of Existing Underground Utilities, Such As Watermains, Sewers, Gas Lines, Etc., As Shown On The Plans, Has Been Determined From The Best Available Information and Is Given For The Convenience of The Contractor. However, The Owner and The Engineer Do Not Assume Responsibility in the Event That During Construction, Utilities Other Than Those Shown May Be Encountered, and That The Actual Location of Those Which Are Shown May Be Different From The Location As Shown On The Drawings. Contact Engineer Immediately if Surface and/or Subsurface Features Are Different Than Shown On The Drawings.
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- The Illinois Department of Transportation Standard Specifications For Road And Bridge Construction Latest Edition, And All Addenda Thereto, Shall Govern The Earthwork And Paving Work Under This Contract Unless Noted Otherwise.

DEMOLITION NOTES

- All Signs to Be Removed Shall Be Salvaged and Stored in the Owner's Facility for Future Use as Applicable.
- Keep All City Streets Free and Clear of Construction Related Dirt/Dust/Debris.
- Coordinate Existing Utility Removal with Local Authorities and Utility Companies Having Jurisdiction.
- All Sawcutting Shall be Full Depth to Provide a Clean Edge to Match New Construction. Match Existing Elevations at Points of Connection for New and Existing Pavement, Curb, Sidewalks, etc. All Sawcut Locations Shown are Approximate and May Be Field Adjusted to Accommodate Conditions, Joints, Material Type, etc. Remove Minimum Amount Necessary for Installation of Proposed Improvements.
- Provide and Maintain All Necessary Traffic Control and Safety Measures Required During Demolition and Construction Operations Within or Near the Public Roadway.
- Perform Tree Pruning in All Locations Where Proposed Pavement and/or Utility Installation Encroach Within the Existing Drip Line of Trees to Remain. All Trenching Within the Drip Line of Existing Trees to Remain Shall be Done Radially Away From Trunk if Roots in Excess of 1" Diameter are Exposed. Roots Must be Cut by Reputable Tree Pruning Service Prior to Any Transverse Trenching. Obtain Approval of The Architect Prior to Operations For A Variance From This Procedure.
- Coordinate Tree Removal with Landscape Architect. All Trees to Be Removed Shall be Removed in Their Entirety and Stumps Shall be Ground to Proposed Subgrade. Use As Mulch for Proposed Landscaping Where Applicable and Acceptable to Architect.
- Provide Tree Protection Fencing Prior to Construction Operations. Maintain Throughout Construction.

DEMOLITION LEGEND

	Utility Line Removal
	Bituminous Pavement Removal (Full Depth)
	Bituminous Pavement Removal (1 1/2" Mill)
	Concrete Pavement Removal (Full Depth)
	Paver Removal (Full Depth)
	Pavement Sawcut
	Curb & Gutter Removal
	Structure Removal

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PROFESSIONAL DESIGN FIRM
LICENSE NO. 184-003220
EXPIRES: 04/30/2021

NAPERVILLE MICRO-UNIT APARTMENT

1350 E. Ogden Ave.
Naperville, Illinois

Reserved for Seal:

Expiration Date: 11/30/2019

No.	Date	Description
1	07/12/19	Issued For Zoning
2	09/20/19	Issued For Zoning Revisions
3	10/11/19	Issued For Zoning Revisions

Design By:	JG	Date:	07/12/19
Approved By:	MR	Project No.:	0000.00

Sheet Title:

SITE DEMOLITION PLAN

Sheet No.:

C100

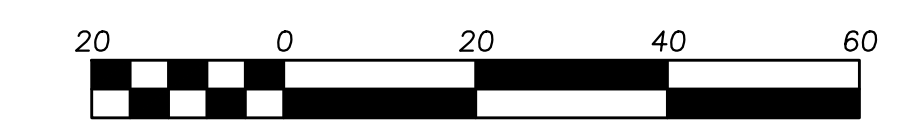
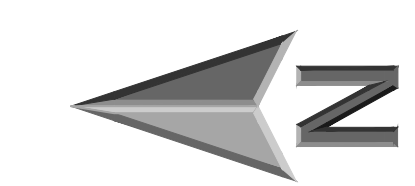


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BITUMINOUS PAVEMENT
80' PUBLIC RIGHT OF WAY
TUTHILL ROAD



Scale: 1"=20'

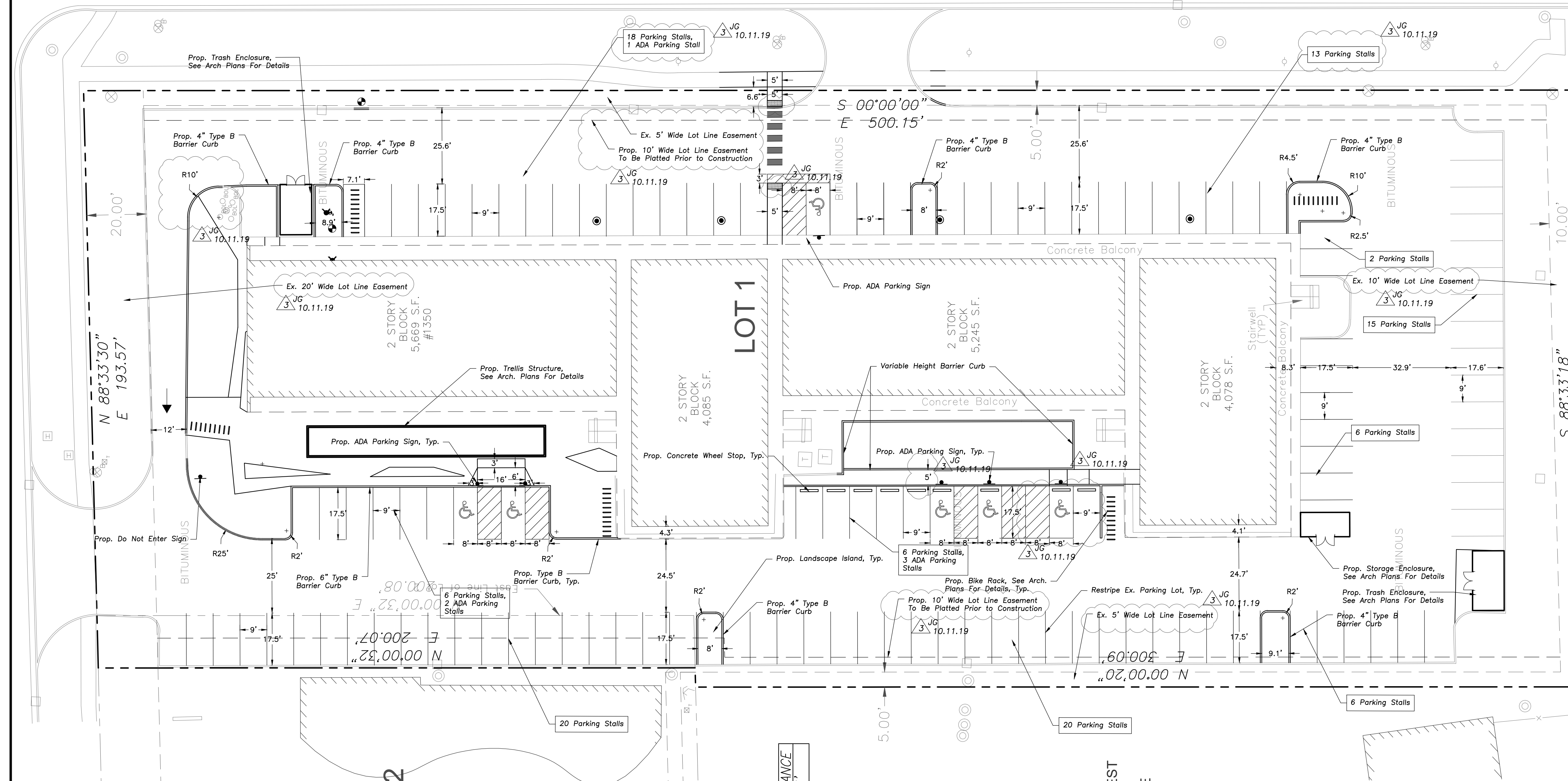
LEGEND	
EXISTING	PROPOSED

GENERAL NOTES

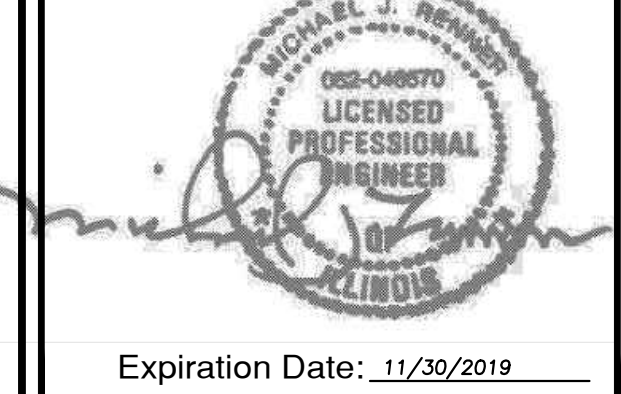
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GEOMETRY NOTES

- All Dimensions Contained Herein Reference Back Of Curb, Face Of Retaining Wall, Edge Of Pavement, Center of Structure And Outside Face Of Building Foundation Unless Otherwise Noted.
- All Pavement Striping Shall Be 4" Wide Yellow Paint Per Specifications. All Cross Hatch Striping Shall Be 45" At 2'-0" Centers.
- All Accessible Parking Signs (R7-B) Must Be Placed at the Center of the Space and Within 5 Feet of the Space.
- Refer to Architectural Drawings for Exact Locations of All Buildings.
- Refer to Architectural Drawings for Locations and Details of All Permanent Site Fencing.
- Traffic Sign Posts Shall Be Breakaway Green U-Channel Posts, 2-1/2" R, 11 Gauge Steel, Embedded 42" Minimum Into Ground.



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Design By:	JG
Date:	07/12/19
Approved By:	MR
Project No.:	0000.00

Sheet Title:
**SITE
GEOMETRY
PLAN**

Sheet No.:
C200

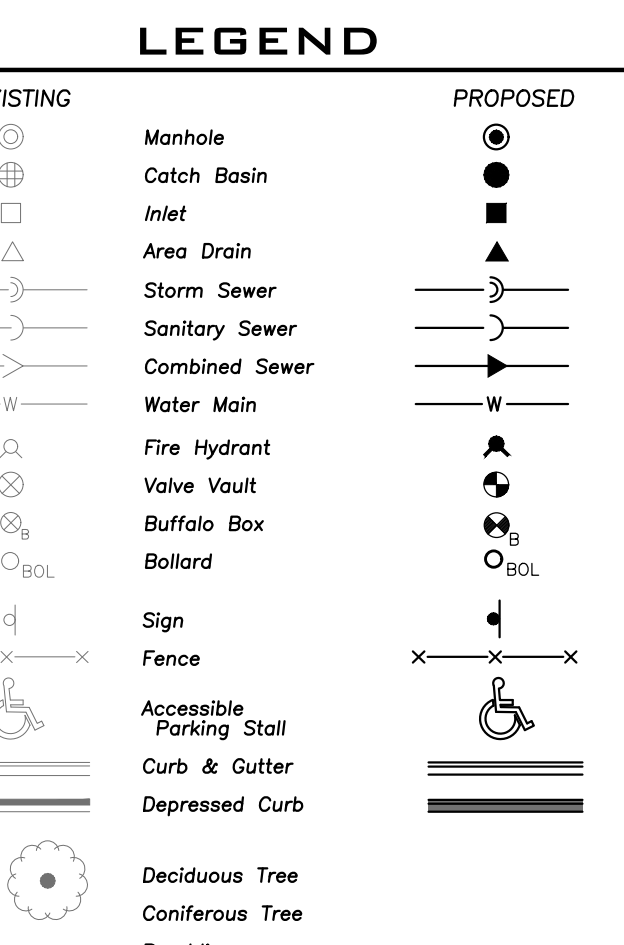
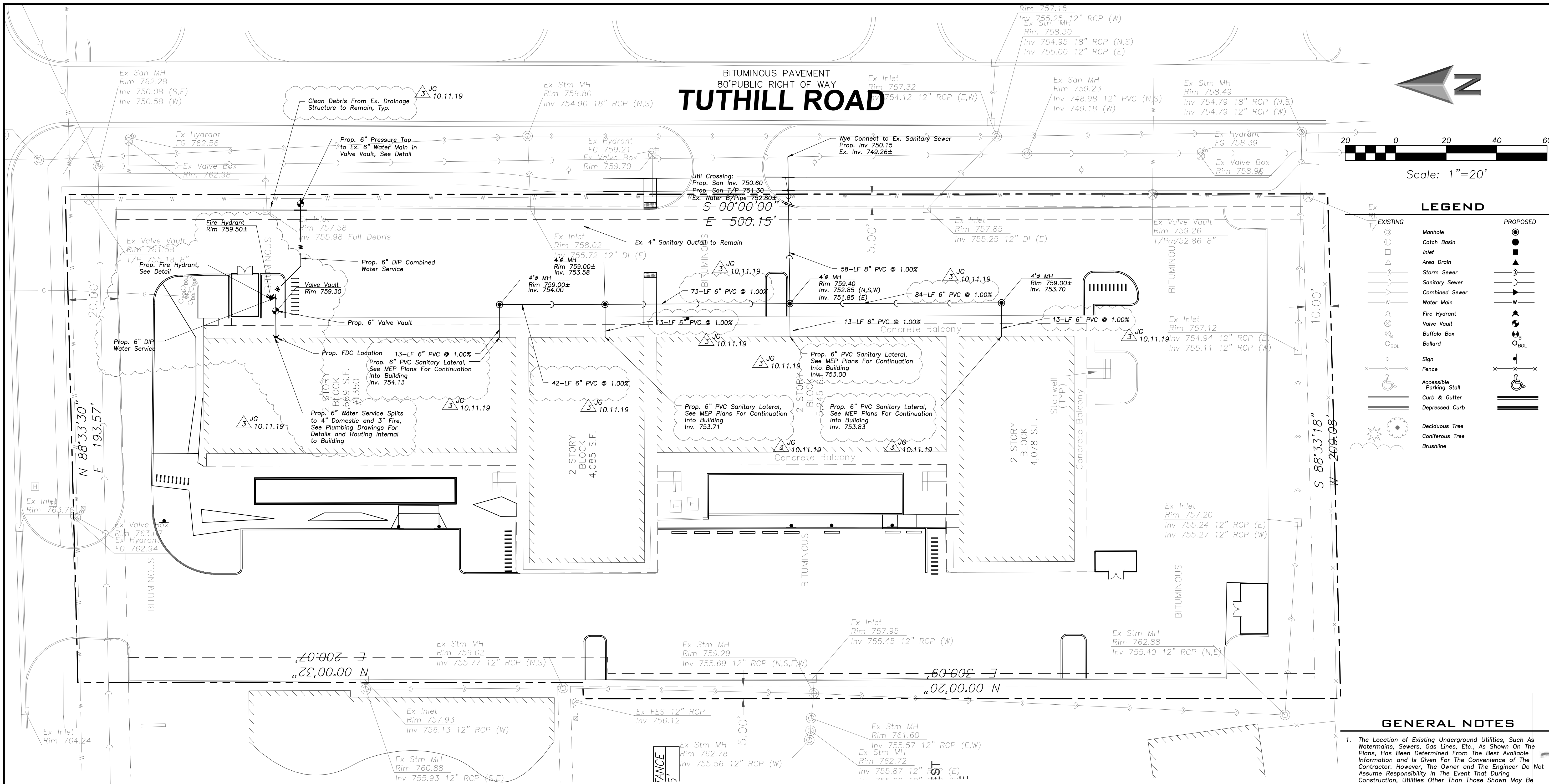
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Plotted: 10/08/19 @ 4:37pm By: jgldmyer



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UTILITY NOTES

- Utility Service Lines as Shown Hereon are Approximate. Coordinate The Exact Locations With The Plumbing Drawings. Coordinate The Locations With The Plumbing Contractor and/or the Owner's Construction Representative Prior to Installation of Any New Utilities.
- Refer to Plumbing Drawings for Continuation of All Utilities Within 5 Feet of Building Face.
- Field Verify Invert & Locations of Existing Utility Mains Prior to Installing Any On-Site Utilities or Structures. All Elevations and Inverts Referencing Said Utility Shall Be Field Verified Prior To Installation of Any New Structures or Utilities, and Adjustments Shall Be Made as Necessary. Contact Engineer Prior to Installation if Discrepancy Exists With These Drawings.
- Coordinate the Relocation of Any Utilities Encountered and Replacement of Any Utilities Damaged Within Influence Zone of New Construction. Contact Engineer if the Existing Utilities Vary Appreciably From The Plans.
- All Water Main and Services Shall Be Installed at a Minimum Depth of 5.5' From Top of Finished Ground Elevation to Top of Main.
- Protection of water supplies shall be as described in Section 370.350 of the Illinois Recommended Standards for Sewage Works or Section 41-2.01 of the Standard Specifications for Water and Sewer Main Construction in Illinois, latest edition.
- Clean Out All Existing and Proposed Storm Inlets and Catch Basins at the Completion of Construction.
- Provide Adequate Coupling Device and/or Oversized Concrete Flared-End Section to Accommodate HDPE Storm Sewer.
- The "Standard Specifications for Water and Sewer Main Construction in Illinois", Current Edition Shall Govern Work Where Applicable.
- All PVC Sewer to be SDR 26.

STRUCTURE NOTES

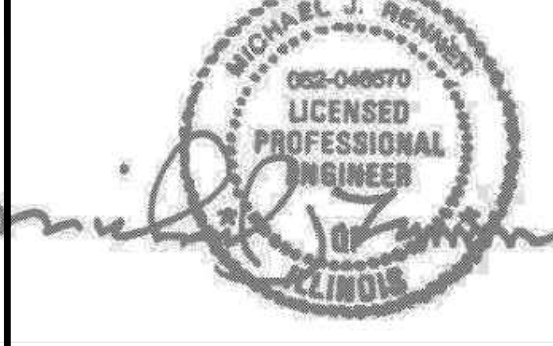
- All Catch Basins to Be Installed in Paved Areas Shall Have Neenah R2904-D Frame & Grate or Approved Equal.
- All Catch Basins to Be Installed in Landscaped Areas Shall Have Neenah R4340-B Frame & Grate or Approved Equal. For Cone Sections Install a Minimum of 4" Grade Rings For Topsoil Spread. For Flat Slab Tops Install the Following Minimum Height of Grade Rings:
4" Diameter Structure- 4"
5" Diameter Structure- 6"
6" Diameter Structure- 8"
- All Catch Basins to Be Installed Along Curb and Gutter (B-6.12) Shall Have Neenah R3281-A Frame & Grate or Approved Equal.
- All Catch Basins to Be Installed Along Depressed Curb and Gutter (Dep B-6.12) Shall Have East Jordan Iron Works S120 Catch Basin Inlet Frame and Grate, or Approved Equal.
- Where Structures are Shown Along the Curbside, Unless Specifically Stated Otherwise, It is Intended That the Frame of the Structure is To Fall Within the Flowline of the Gutter or at the Pavement Edge Where No Gutter Exists.
- All Manholes Shall Have Neenah R1713-B Frame & Closed Lid or Approved Equal, with "Storm" or "Sanitary" Imprinted as Appropriate.
- For All Structures Indicated to be Adjusted, Remove and Install Adjusting Rings, Cone Section, Barrel Sections, or Flat Slab Top as Necessary.
- All Sanitary Manholes Shall Include a Chimney Seal.

Note: Existing Stormwater Infrastructure on Site is Privately Owned and Maintained Until the Point of Connection to the Public Sewer System

Note: Proposed Sanitary Sewer and Infrastructure on Site is Privately Owned and Maintained Until the Point of Connection to the Public Sewer System

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Plotted: 10/09/19 @ 12:36pm By: jgeldmyer

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Design By:	JG	Date:	07/12/19
Approved By:	MR	Project No.:	0000.00

Sheet Title:
**SITE UTILITY
PLAN**

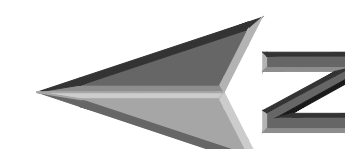
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Scale: 1"=20'

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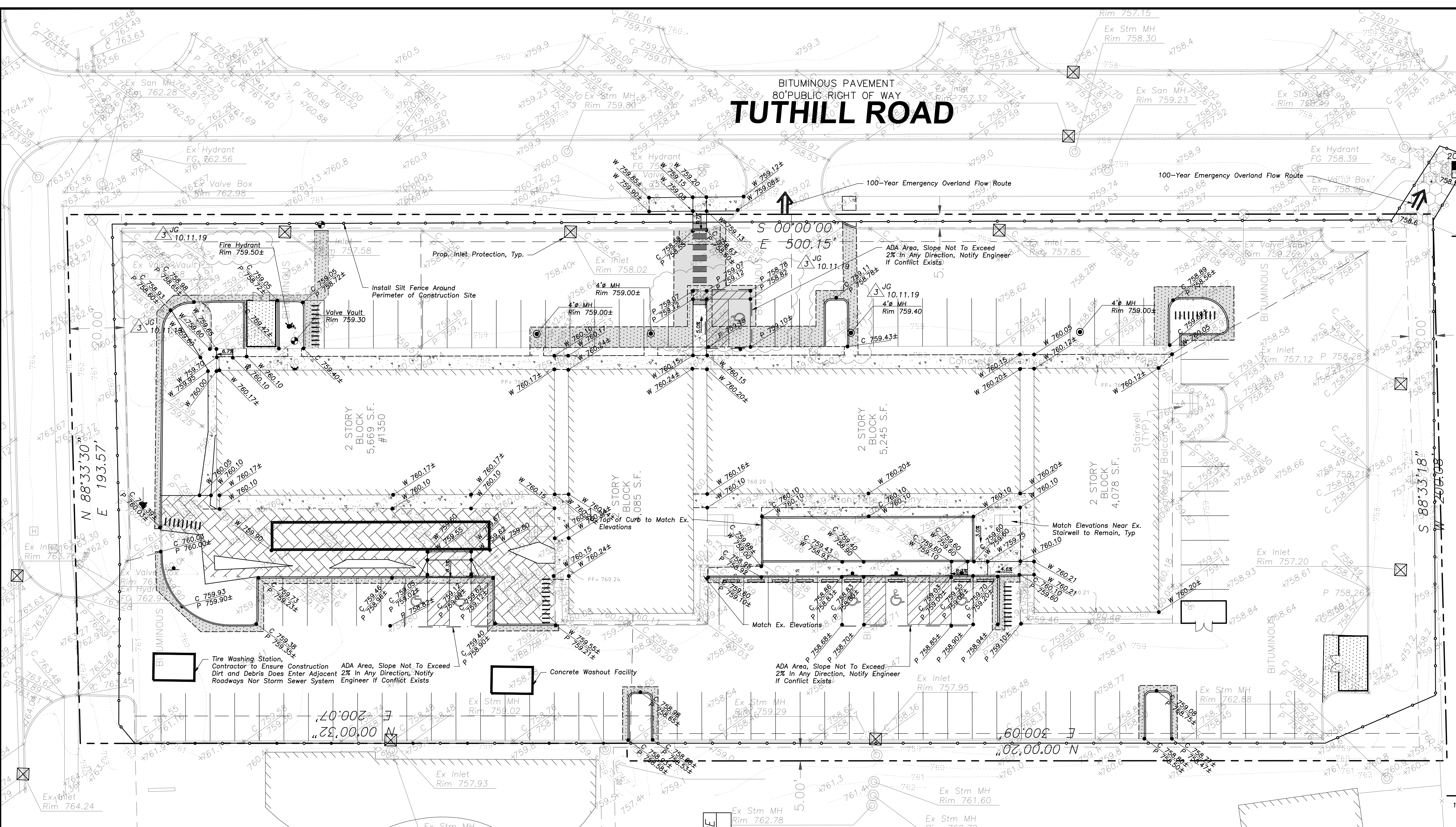
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Design By: JG Date: 07/12/19
Approved By: MR Project No.: 0000.00

Sheet Title:
**GRADING,
PAVING AND
SESC PLAN**

Sheet No.:
C400



TUTHILL ROAD

BITUMINOUS PAVEMENT
80' PUBLIC RIGHT OF WAY

SOIL EROSION & SEDIMENTATION CONTROL NOTES

- Illinois Urban Manual Shall Govern All Soil Erosion and Sediment Control, and Related Work.
- Contractor Shall Be Responsible for Compliance With IEPA NPDES and ILR10 Permit Requirements for Project.
- Soil Disturbance Shall Be Conducted in Such a Manner as to Minimize Erosion. Soil Stabilization Measures Shall Consider the Time of Year, Site Conditions, and the Use of Temporary or Permanent Measures.
- Soil Erosion and Sediment Control Features Shall Be Constructed Prior to the Commencement of Upland Disturbance.
- Temporary Soil Stabilization Shall Be Applied to Topsoil Stockpiles and Disturbed Areas. Where Construction Activity Will Not Occur For A Period of More Than 14 Calendar Days, Temporary Measures Shall Be Applied Within 7 Calendar Days of the End of Active Hydrologic Disturbance. The Sediment Control Measures Shall Be Maintained On A Continuing Basis Until The Site is Permanently Stabilized And All Inspections Are Complete. Permanent Stabilization Shall Be Completed Within 14 Days after Completion of Final Grading of Soil.
- All Temporary and Permanent Erosion Control Measures Shall Be Removed Within 30 Days After Final Site Stabilization is Achieved or After The Temporary Measures Are No Longer Needed. Trapped Sediment And Other Disturbed Soil Areas Shall Be Permanently Stabilized.
- Final Site Stabilization is Defined By The EPA General Permit as Meaning That All Soil Disturbing Activities At The Site Have Been Completed, And That A Uniform Perennial Vegetative Cover With A Density Of 70 Percent Of The Cover For Unpaved Areas Not Covered By Permanent Structures Has Been Established Or Equivalent Permanent Stabilization Measures (Such As The Use Of Riprap, Gabions, Or Geotextiles) Have Been Employed.
- All Storm Sewer Structures That Are, Or Will Be, Functioning During Construction Shall Be Protected, Filtered, Or Otherwise Treated To Remove Sediment. The General Contractor Shall Use "Catch-All" Inlet Protectors (or equal) and Filter Weirs Around Gate in Landscaped Areas And "Catch-All" Inlet Protectors (or equal) in Paved Areas To Prevent Siltation.
- All Temporary and Permanent Sediment and Erosion Control Measures Must Be Maintained, Repaired, And Inspected in Conformance With All Applicable IEPA-NPDES Phase II.
- Following The Termination Of Construction Activities And Issuance Of The Required "Notice Of Termination", The Permittees Must Keep A Copy Of The Storm Water Pollution Prevention Plan, Inspection Reports, And Records Of All The Data Used To Complete The Notice Of Intent For A Period Of At Least Three Years Following Final Stabilization.
- Install And Maintain Silt Fence At The Perimeter Of The Construction Zone And Wetland Areas And As Shown On The Plans. Maintain Silt Fence Throughout Construction And Until Vegetation Has Been Fully Established.
- Contractor Shall Provide Qualified Soil Erosion and Sediment Control Inspector Services in Accordance with NPDES and Governmental Requirements. Inspections Shall Occur at Every Seven Calendar Days Or Within 24 Hours of a 0.5" or Greater Rainfall Event. Engineer Shall Be Copied on Inspection Logs.
- The Erosion Control Measures Indicated On The Drawings Are The Minimum Requirements. Additional Measures May Be Required As Directed By The Qualified Soil Erosion and Sediment and Control Inspector Or Governing Agency.
- Report Releases of Reportable Quantities of Oil or Hazardous Materials if They Occur in Accordance with IEPA NPDES Requirements.
- All Concrete Washout Shall Conform To The "Temporary Concrete Washout Facility" Standards (Code 954) of the Illinois Urban Manual, Latest Edition.
- If Necessary, The SWPPP Shall Be Modified To Reflect Changes Required During The Effective Period Of The IEPA NPDES General Permit No. ILR10 and Local and County Permits.
- Dewatering of Excavations Shall Be Performed in a Manner Such as Through the use of Filter Bags or Polymer Treated Dewatering Swales, so as to Not Discharge Sediment Laden Water into Storm Sewers Tributary to Open Water.
- Contractor is Responsible For Cleaning the Adjacent Streets to Remove Any Dirt and Debris Due to Construction Activities.

PAVING & SURFACE PAVING LEGEND

- Asphalt Pavement Section
 - 1 1/2" Hot Mix Asphalt, Mix D, IL-9.5, N50
 - 2 1/2" Hot Mix Asphalt, IL-19.0, N50
 - Prime Coat (0.25 gal/sq yd)
 - 8" Aggregate-Base Course, Type B, Crushed, CA-6
- Asphalt Pavement Section (1 1/2" Overlay)
 - 1 1/2" Hot Mix Asphalt, Mix D, IL-9.5, N50
- Concrete Driveway Section
 - 8" Portland Cement Concrete
 - 6"x6" W2.9xW2.9 Welded Wire Fabric
 - 6" Aggregate Base Course, Type B, Crushed
- Concrete Sidewalk Section
 - 5" Portland Cement Concrete
 - 6"x6" W1.4xW1.4 Welded Wire Fabric
 - 2" Aggregate Base Course, Type B, Crushed
- Decorative Paver
 - See Arch Plan For Details
- Stormwater Overland Flow Path
- Ridge Line/High Point

SOIL EROSION & SEDIMENTATION CONTROL LEGEND

- Silt Fence
- Catch-All, Park Chop Sediguard (or equal) Paved or Existing Stabilized Areas
- Erosion Control Blanket North American Green DS75 Or Approved Equal

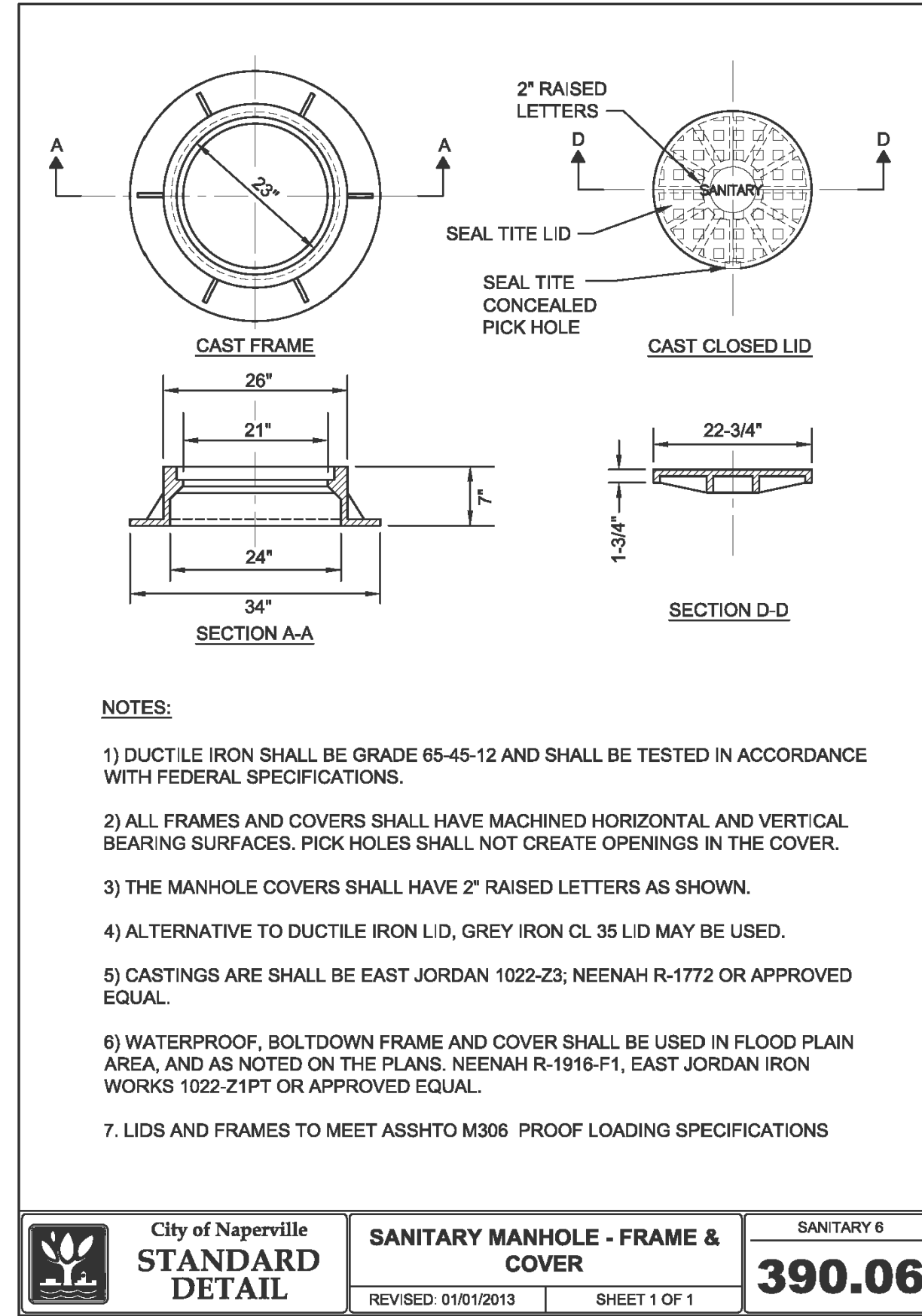
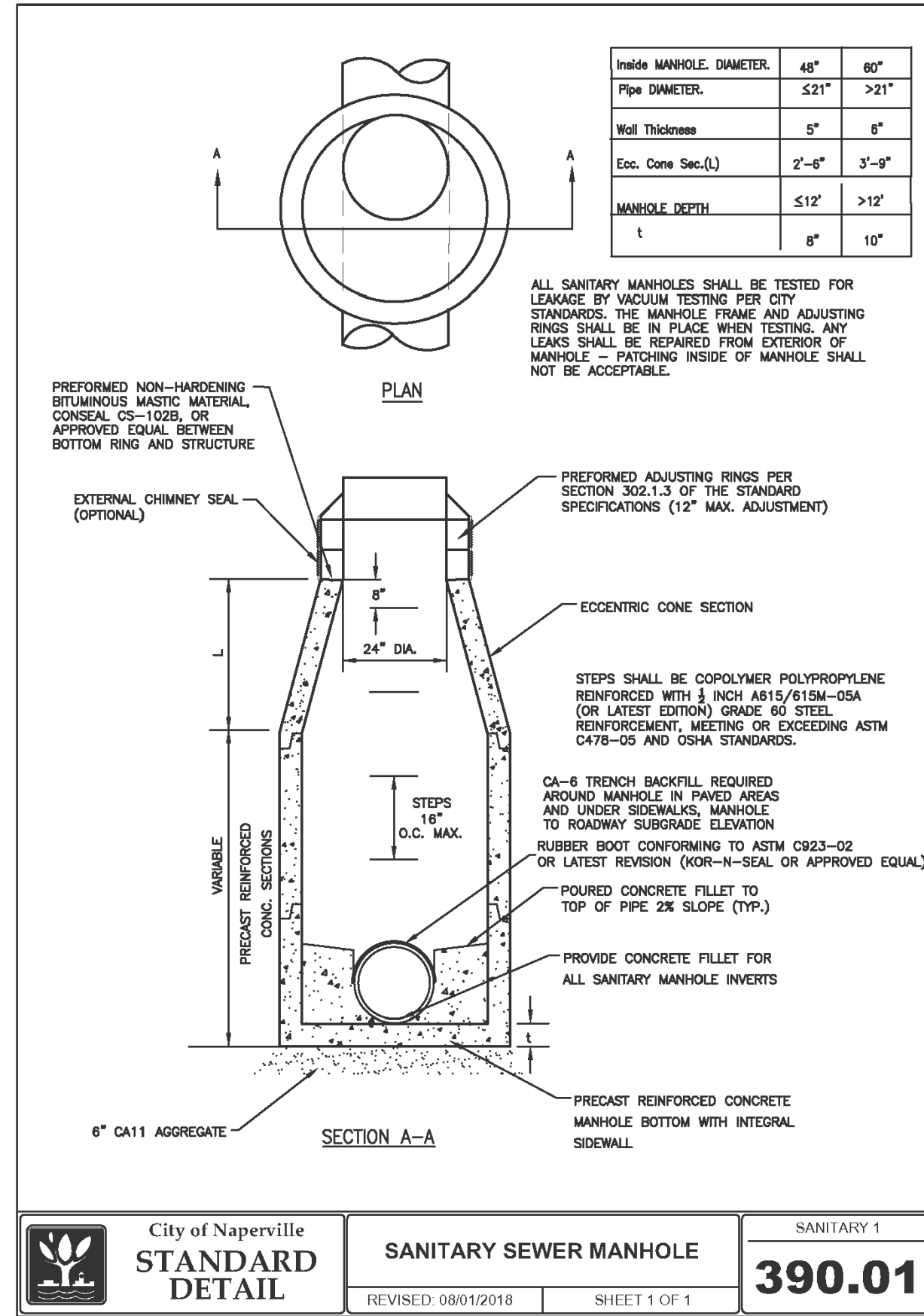
INTENDED SEQUENCE OF MAJOR SEDIMENT AND EROSION CONTROL MEASURES

- Install Stabilized Construction Entrance
- Install All Downslope and Sideslope Perimeter Controls Before Commencement of Any Ground Disturbing Activity.
- Do Not Disturb An Area Until It is Necessary For Construction To Proceed.
- Cover and Stabilize Disturbed Areas As Soon As Possible.
- When Practical, Time Construction Activities To Limit Impact From Seasonal Climate Changes or Weather Events.
- Construct Sedimentation Basins and Structures.
- Perform Grading Operations and Installation of Site Infrastructure and Pavement.
- Install Permanent Seeding and Plantings.
- Remove Accumulated Sediment From Basins and Along Silt Fence.
- Construction of Infiltration Measures Shall Take Place Following Stabilization of Upstream Drainage Areas.
- Remove Temporary Sediment and Erosion Control Measures Following Final Stabilization of All Disturbed Areas.

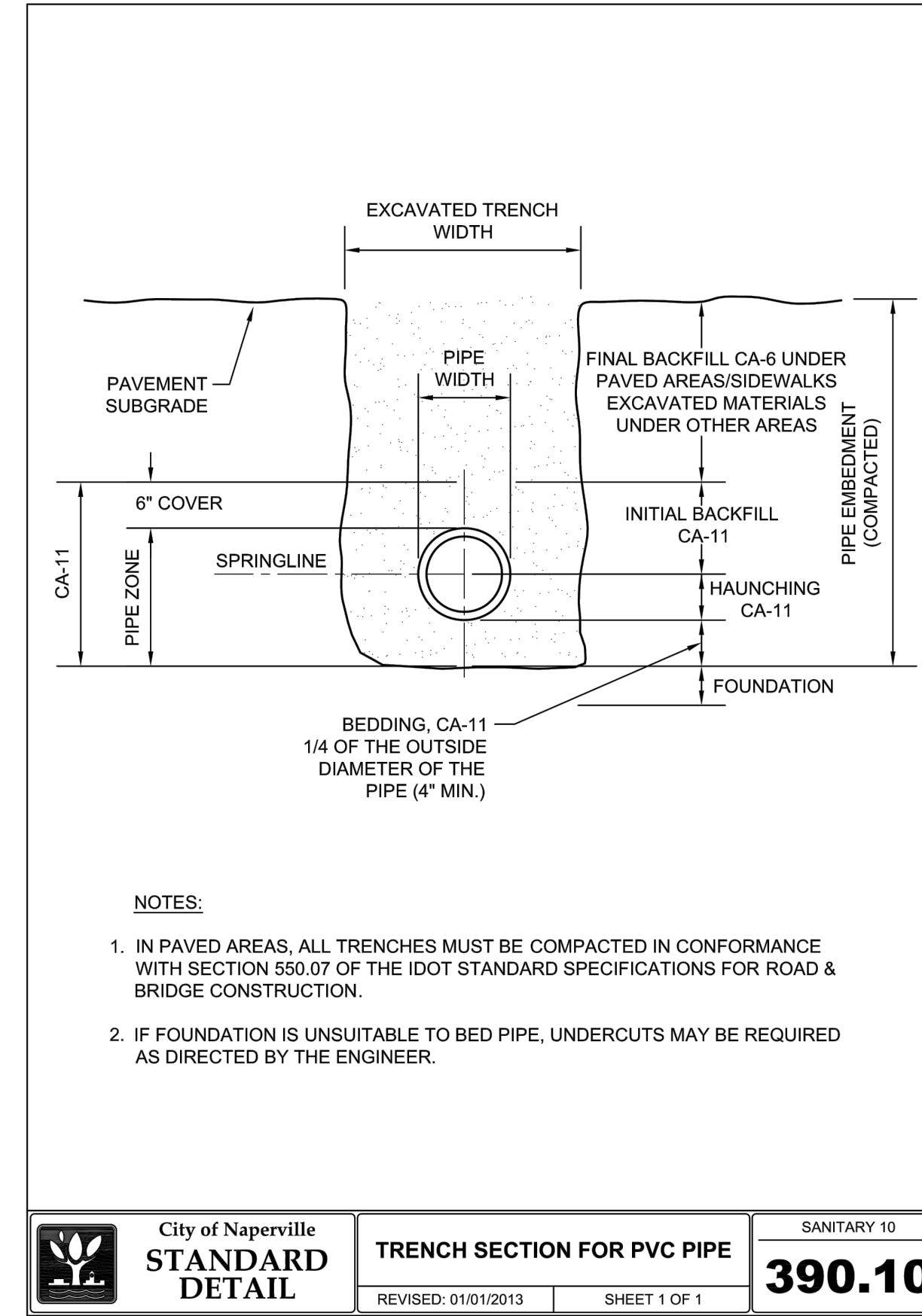
GRADING NOTES

- The Grading and Construction of Proposed Improvements Shall Be Done in a Manner Which Will Allow For Positive Drainage, and Not Cause Ponding of Stormwater on the Surface of Proposed Improvements.
- All Landscaped Areas Disturbed By Construction Shall Be Reseeded With 6 Inches (Min.) to 12 Inches (Max.) Topsoil and Hydroseeded Unless Noted Otherwise On The Landscape Drawings.
- Refer to Architectural Drawings for Locations and Patterns of Expansion and Control Joints in Concrete Pavement and Sidewalks.
- Accessible Parking Spaces and Loading Spaces Shall Be Staged at Maximum 2.0% in Any Direction. Maximum Sidewalk Cross Slopes Shall be 2.0%. Maximum Longitudinal Sidewalk Slope Shall be 4.9%. Contact Engineer if Conflicts Exist.

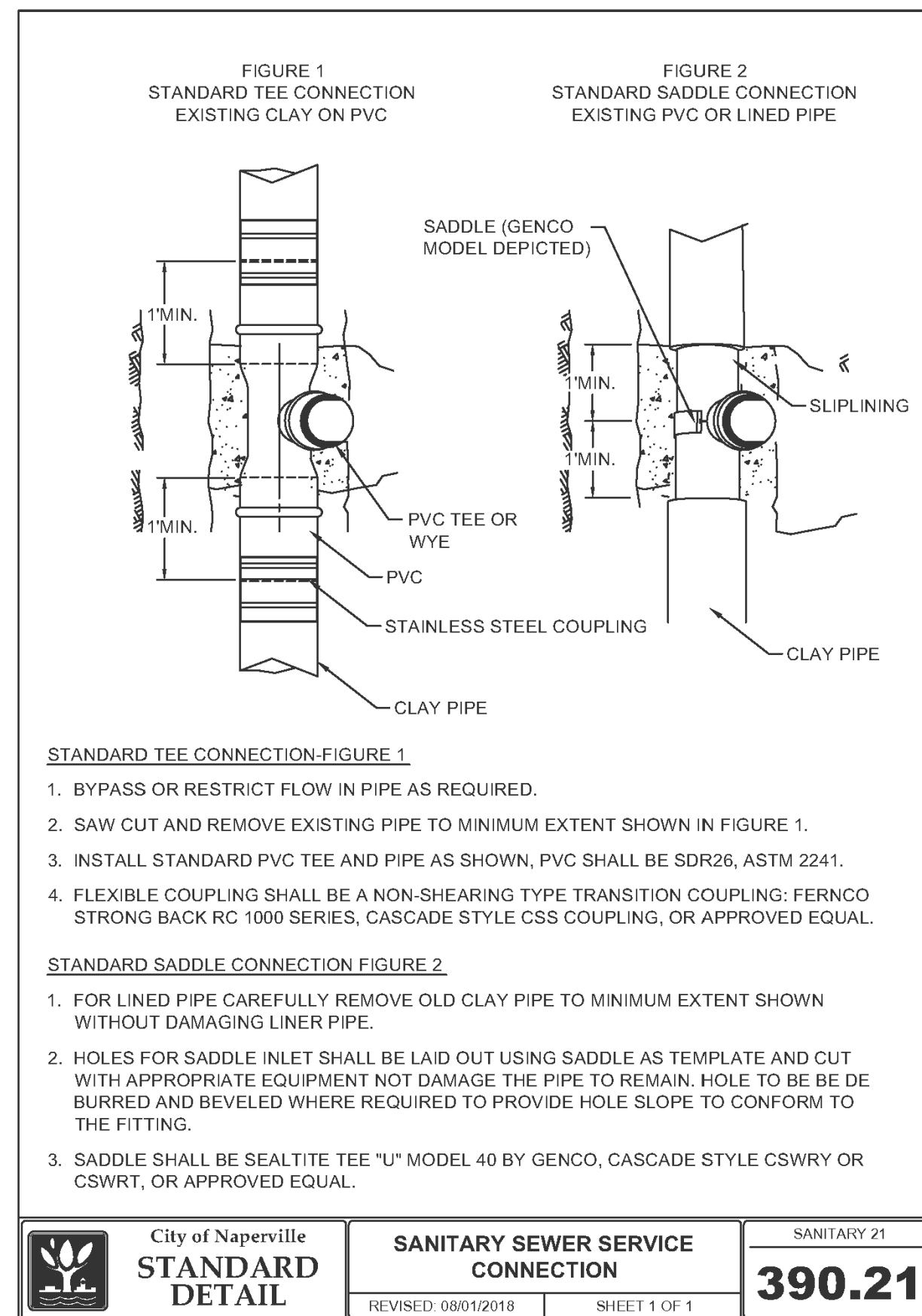
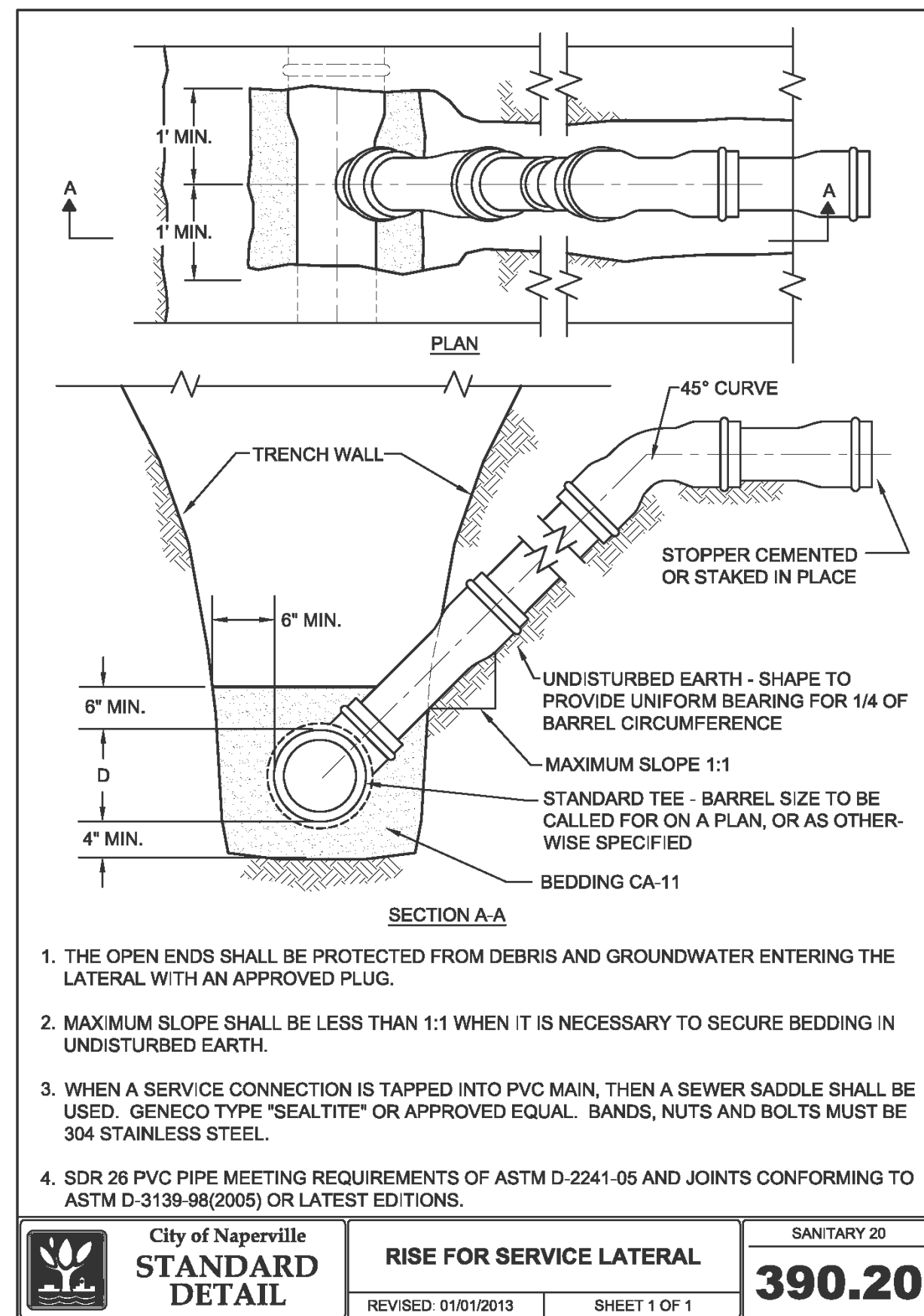
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Plotted: 10/08/19 @ 4:43pm By: jpldmeyer



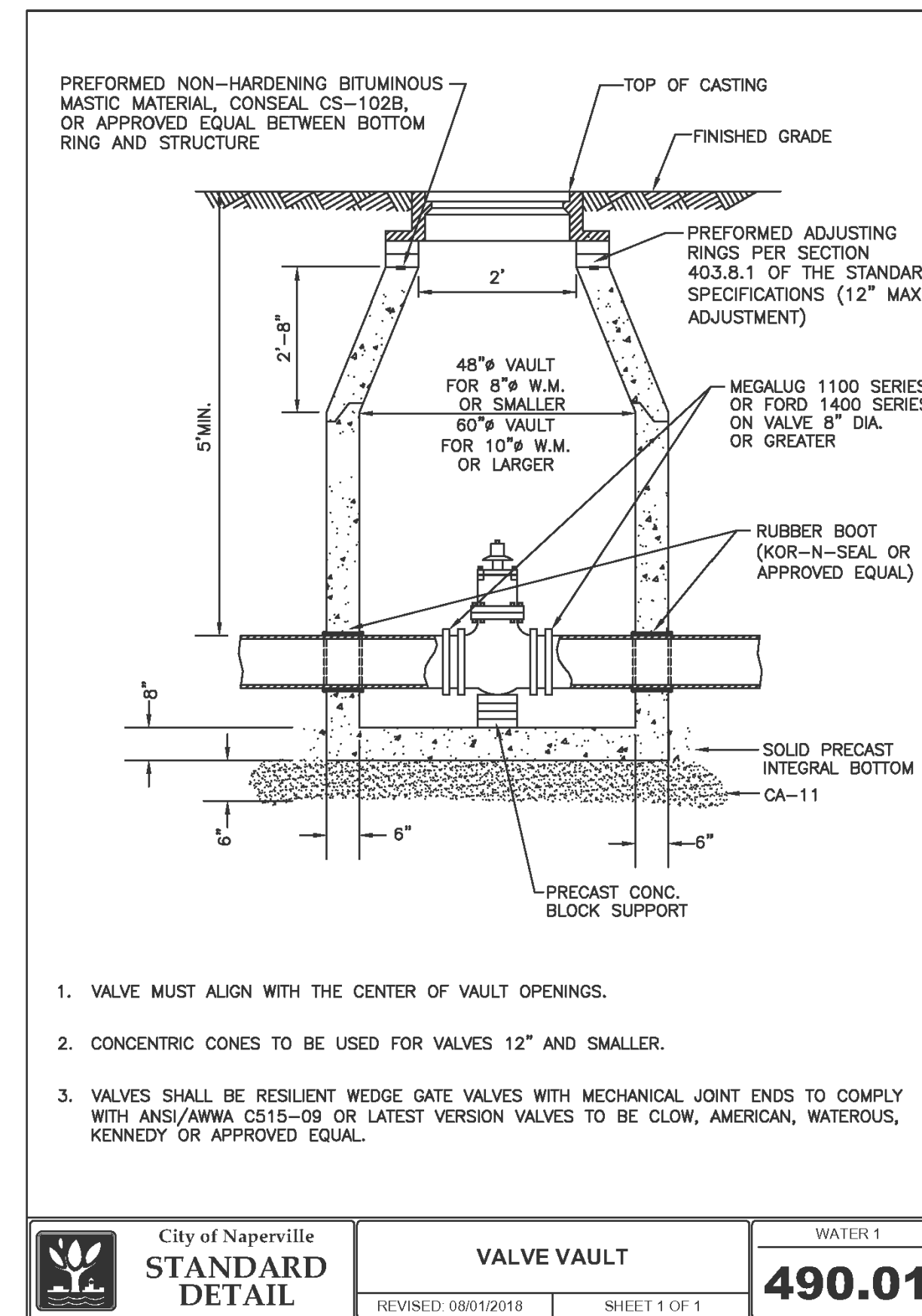
- NOTES:
- 1) DUCTILE IRON SHALL BE GRADE 65-45-12 AND SHALL BE TESTED IN ACCORDANCE WITH FEDERAL SPECIFICATIONS.
 - 2) ALL FRAMES AND COVERS SHALL HAVE MACHINED HORIZONTAL AND VERTICAL BEARING SURFACES. PICK HOLES SHALL NOT CREATE OPENINGS IN THE COVER.
 - 3) THE MANHOLE COVERS SHALL HAVE 2" RAISED 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-Z3; NEENAH R-1772 OR APPROVED EQUAL.
 - 6) WATERPROOF, BOLTDOWN 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-Z1PT OR APPROVED EQUAL.
 - 7) LIDS AND FRAMES TO MEET ASSHTO M306 PROOF LOADING SPECIFICATIONS



- 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.



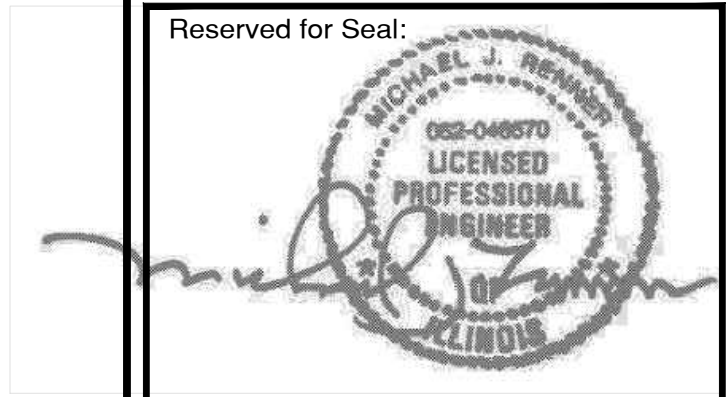
- STANDARD TEE CONNECTION-FIGURE 1
1. BYPASS OR RESTRICT FLOW IN PIPE AS REQUIRED.
 2. SAW CUT AND REMOVE EXISTING PIPE TO MINIMUM EXTENT SHOWN IN FIGURE 1.
 3. INSTALL STANDARD PVC TEE AND PIPE AS SHOWN, PVC SHALL BE SDR26, ASTM 2241.
 4. FLEXIBLE COUPLING SHALL BE A NON-SHEARING TYPE TRANSITION COUPLING: FERNCO STRONG BACK RC 1000 SERIES, CASCADE STYLE CSS COUPLING, OR APPROVED EQUAL.
- STANDARD SADDLE CONNECTION FIGURE 2
1. FOR LINED PIPE CAREFULLY REMOVE OLD CLAY PIPE TO MINIMUM EXTENT SHOWN WITHOUT DAMAGING LINER PIPE.
 2. HOLES FOR SADDLE INLET SHALL BE LAID OUT USING SADDLE AS TEMPLATE AND CUT WITH APPROPRIATE EQUIPMENT NOT DAMAGE THE PIPE TO REMAIN. HOLE TO BE BE BURRED AND BEVELED WHERE REQUIRED TO PROVIDE HOLE SLOPE TO CONFORM TO THE FITTING.
 3. SADDLE SHALL BE SEALTITE TEE "U" MODEL 40 BY GENCO, CASCADE STYLE CSWRY OR CSWRT, OR APPROVED EQUAL.



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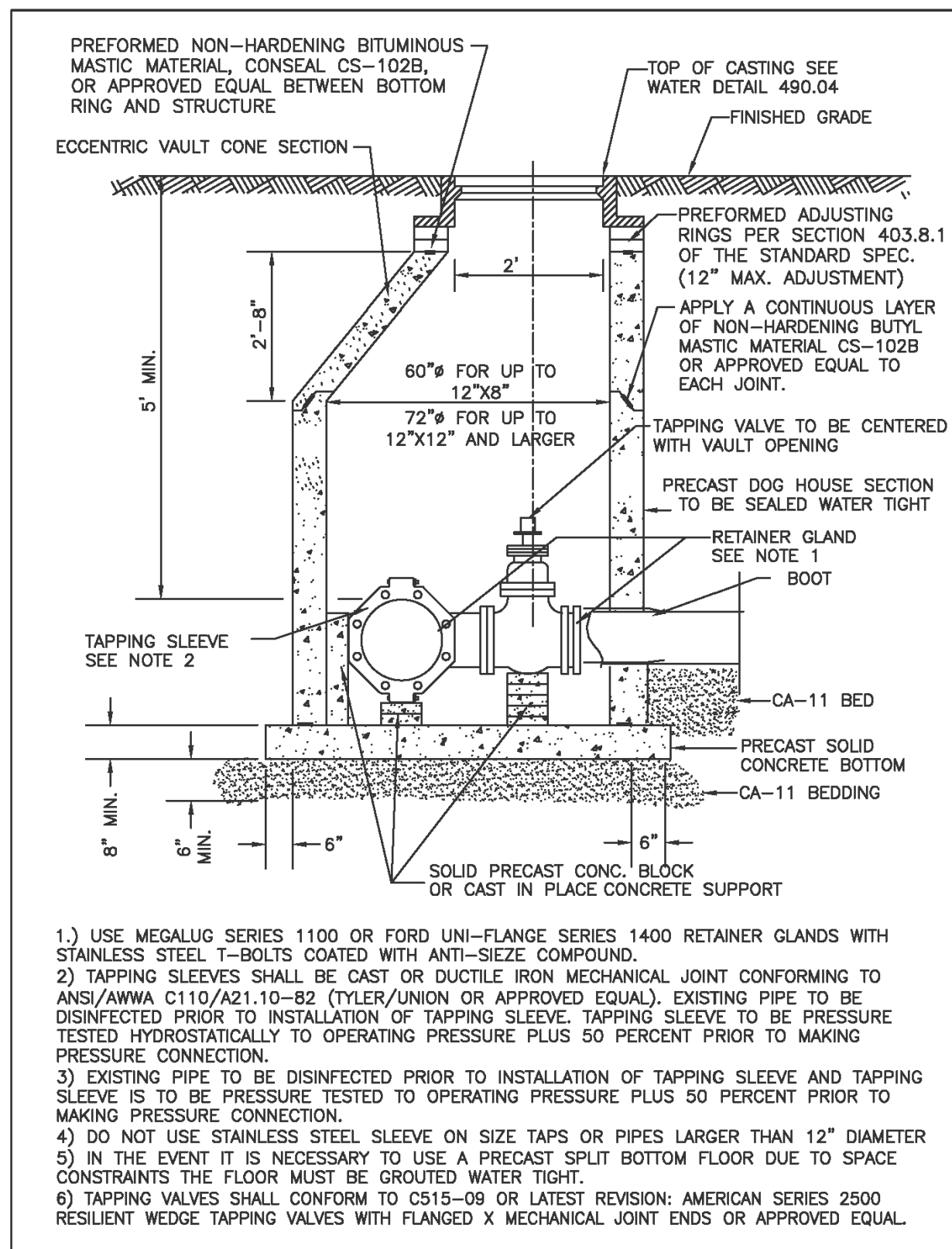
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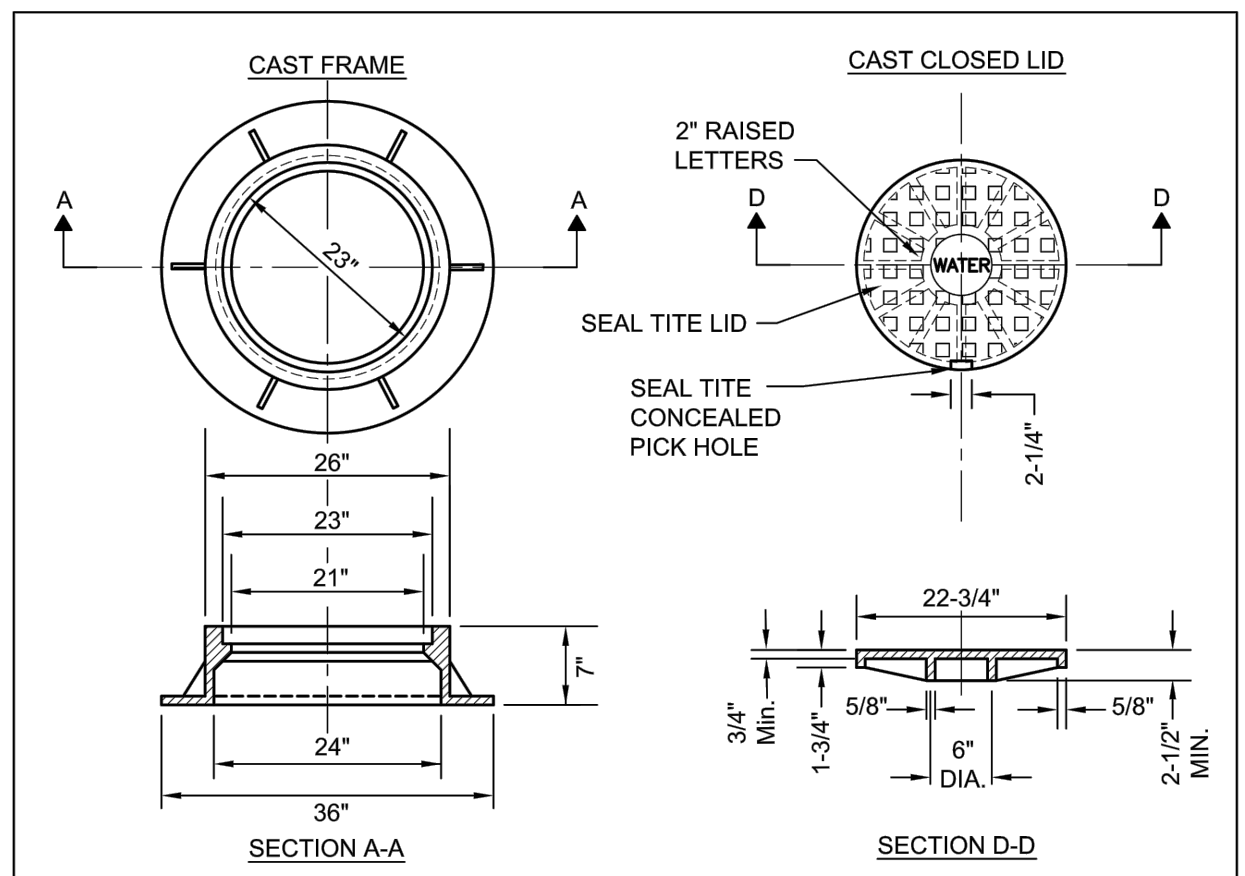
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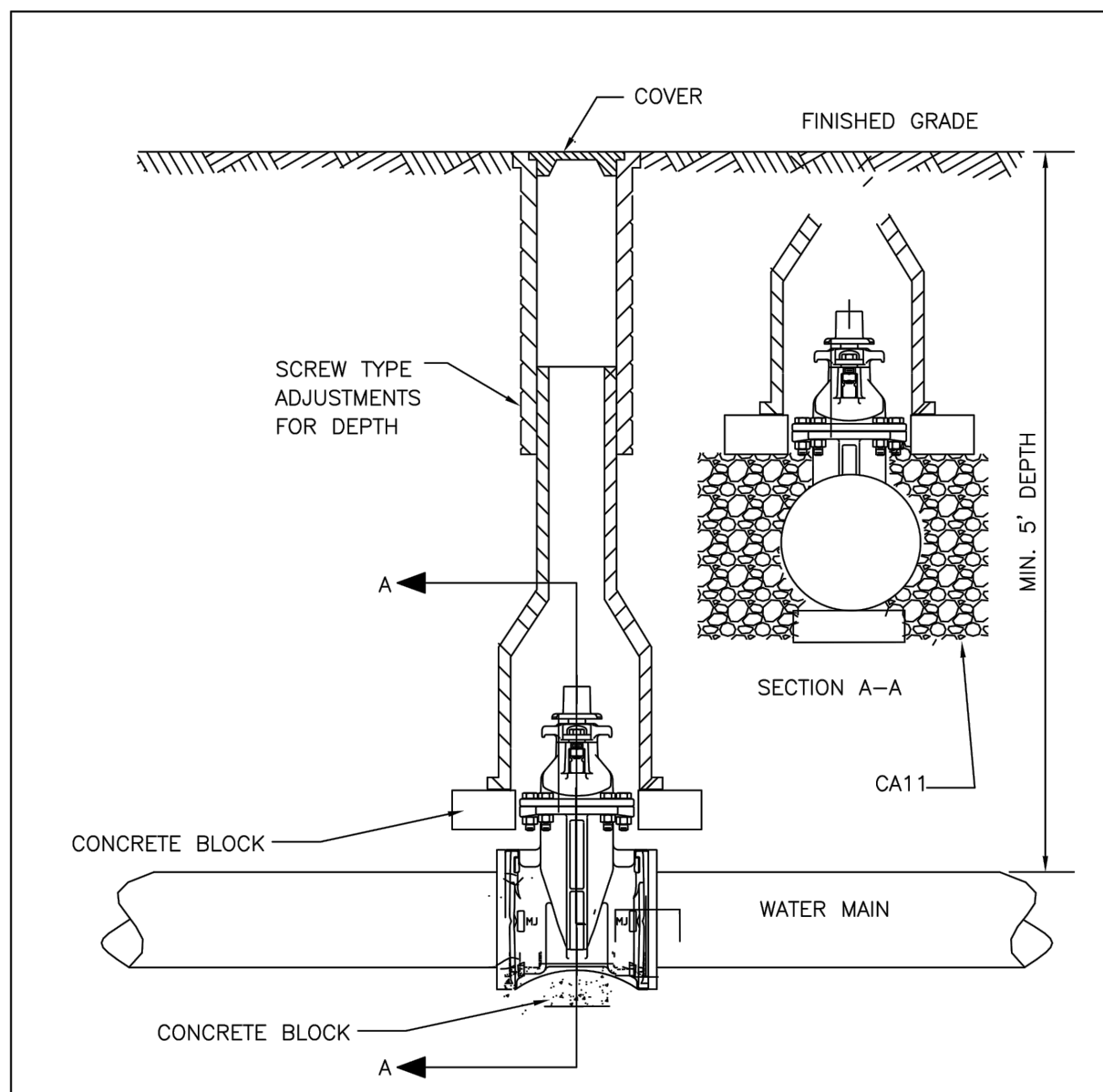
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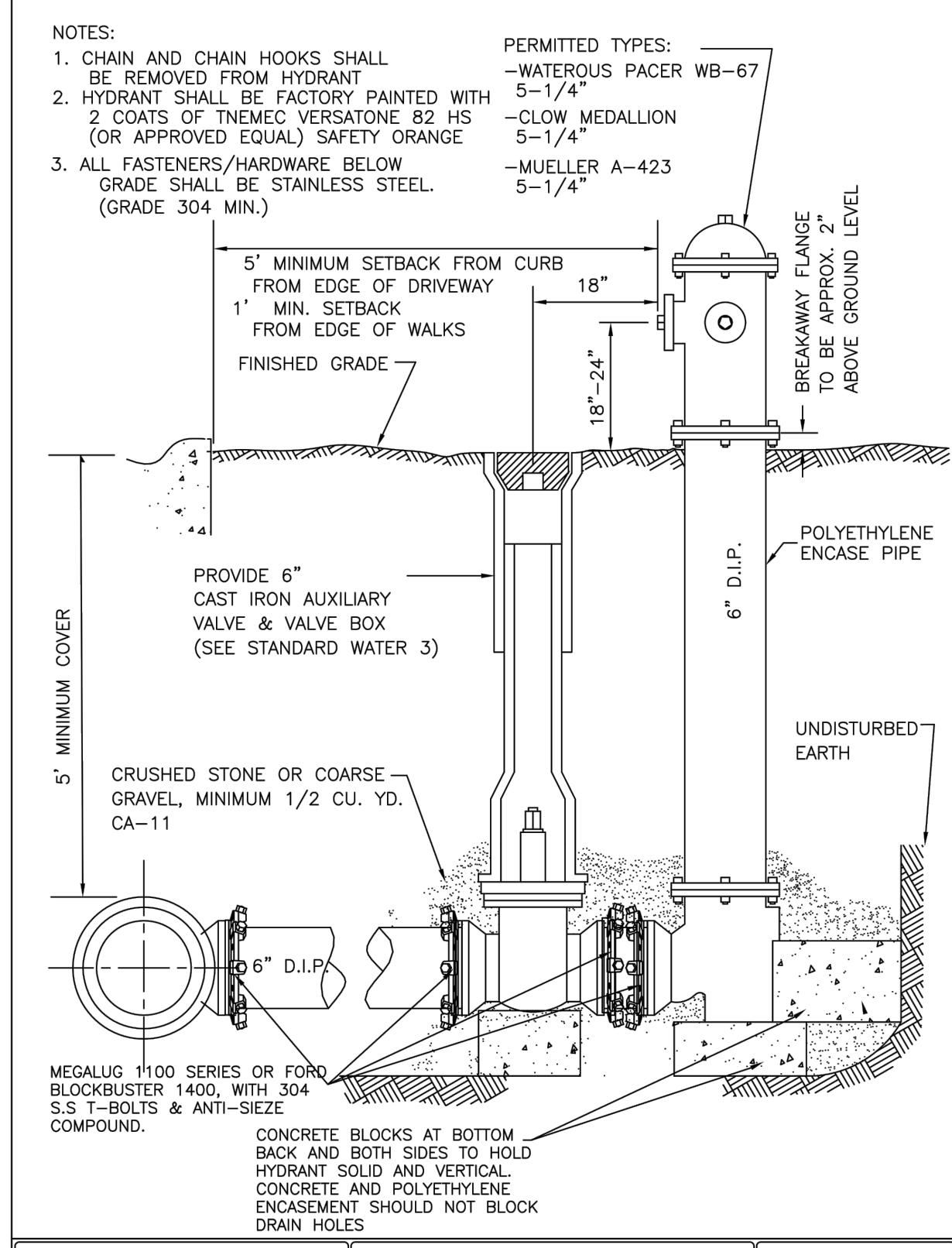
City of Naperville
STANDARD DETAIL
 VALVE VAULT WITH CAST/DUCTILE IRON SLEEVE PRESSURE TAP
 REVISED: 01/01/2013 SHEET 1 OF 1
490.02



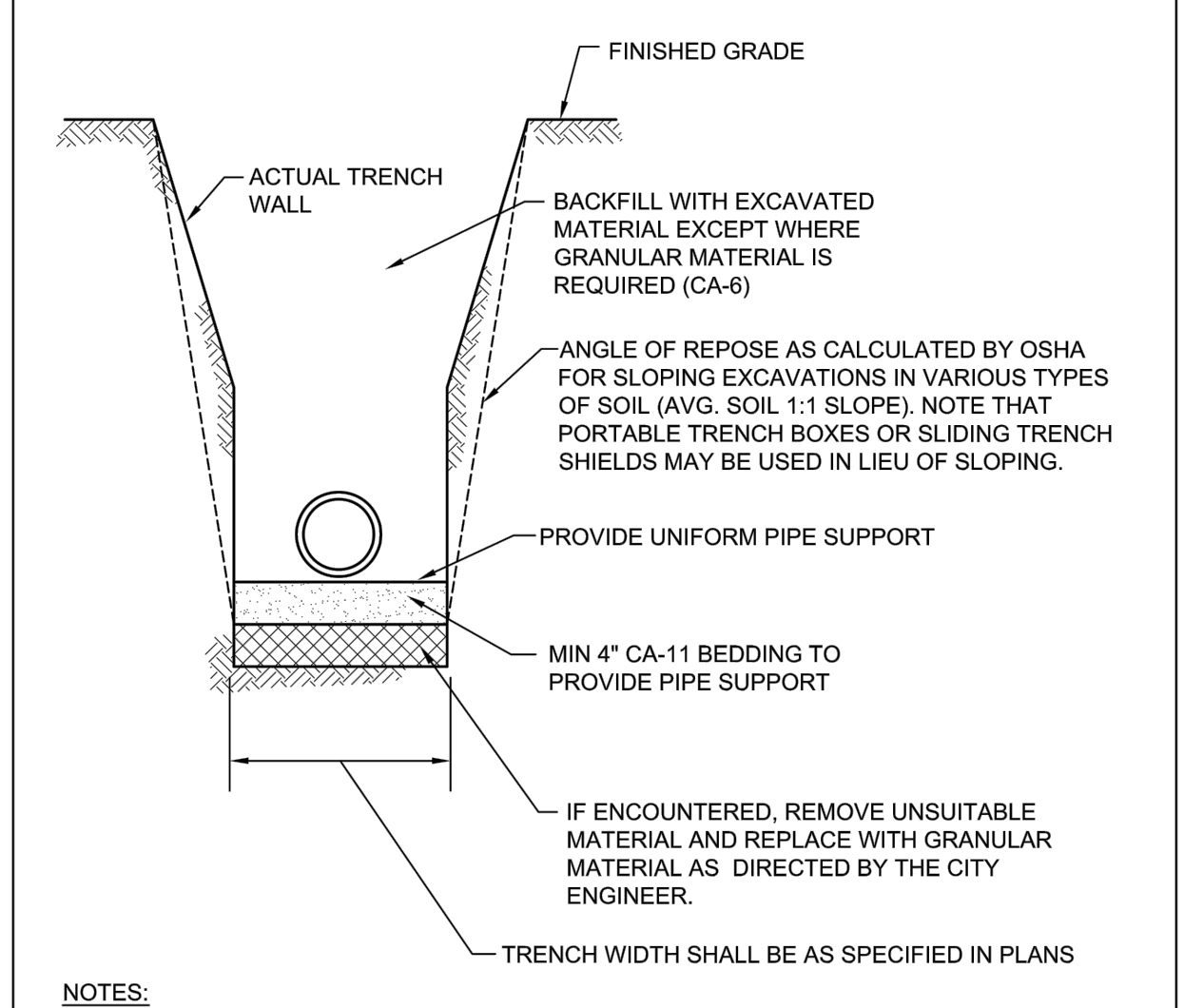
City of Naperville
STANDARD DETAIL
 VALVE VAULT - FRAME & COVER
 REVISED: 01/01/2013 SHEET 1 OF 1
490.04



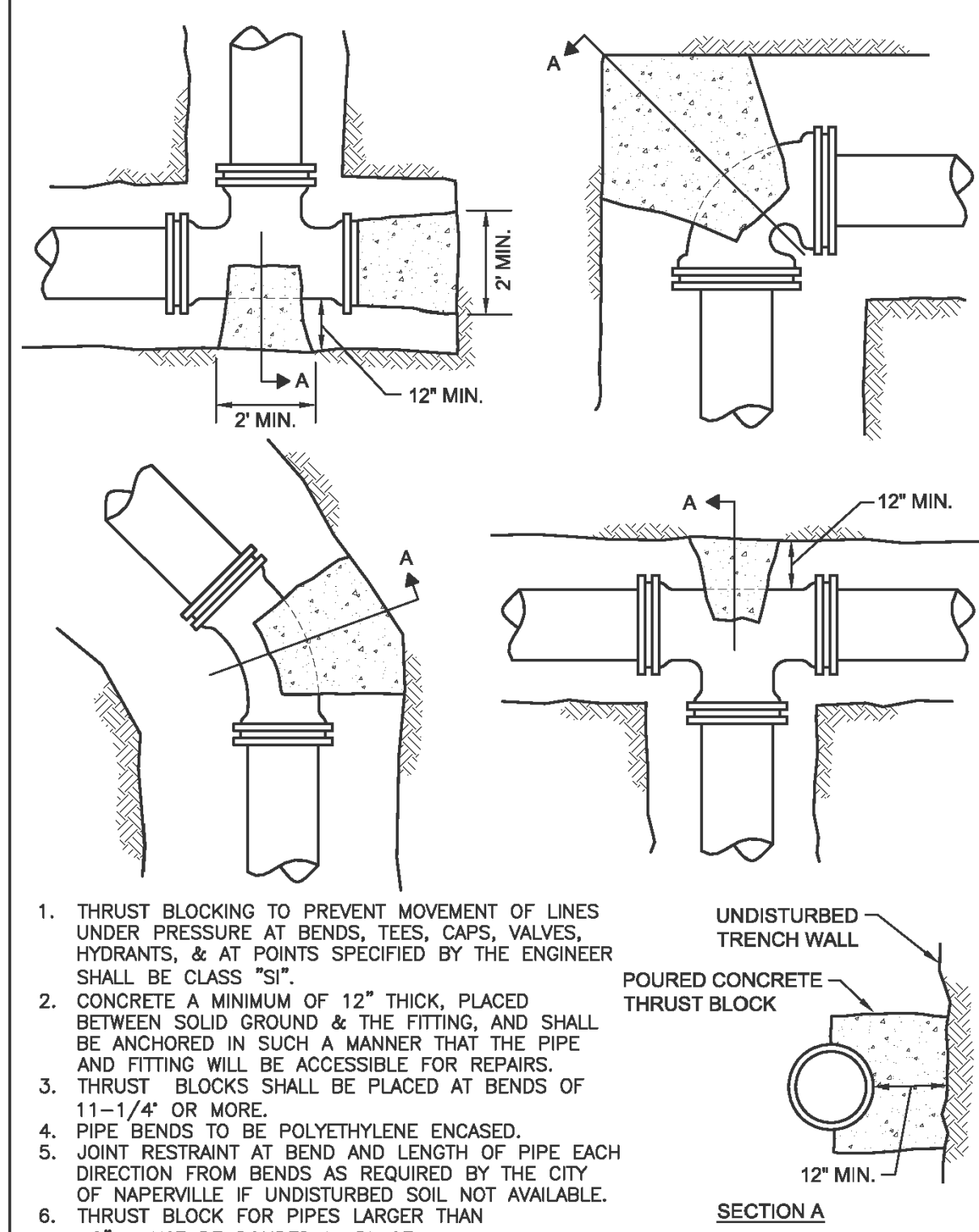
City of Naperville
STANDARD DETAIL
 VALVE BOX
 REVISED: 01/01/2013 SHEET 1 OF 1
490.05



City of Naperville
STANDARD DETAIL
 HYDRANT
 REVISED: 05/15/2015 SHEET 1 OF 1
490.06



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



City of Naperville
STANDARD DETAIL
 THRUST BLOCK
 REVISED: 05/15/2015 SHEET 1 OF 1
490.11



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SITE WORK DETAILS

Sheet No:
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City of Naperville
STANDARD
DETAIL

WATER MAIN PROTECTION FROM EXISTING STORM SEWER PIPE

REVISD: 01/01/2013 SHEET 1 OF 1

PAVEMENT 14
490.14

City of Naperville
STANDARD
DETAIL

UTILITY TRENCH PAVING SECTION (FLEXIBLE PAVEMENTS)

REVISD: 01/01/2013 SHEET 1 OF 1

PAVEMENT 13
590.13

City of Naperville
STANDARD
DETAIL

TYPE B BARRIER CURB

REVISD: 01/01/2013 SHEET 1 OF 1

PAVEMENT 23
590.23

City of Naperville
STANDARD
DETAIL

CURB REPLACEMENT

REVISD: 05/16/2015

PAVEMENT 24
590.24

City of Naperville
STANDARD
DETAIL

SIDEWALK

REVISD: 01/01/2013 SHEET 1 OF 1

PAVEMENT 30
590.30

City of Naperville
STANDARD
DETAIL

SIDEWALK CONSTRUCTION

REVISD: 01/01/2013

PAVEMENT 31
590.31

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ISOMETRIC VIEW

GRASS
CONCRETE SIDEWALK
1:3 MAX SLOPE
GRASS

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:

424001-07	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-01	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-01	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-01	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-01	DEPRESSED CORNER FOR SIDEWALKS
424026-01	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
424031-01	MEDIAN PEDESTRIAN CROSSINGS
606001-05	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 STANDARD DETAIL	CURB RAMPS	PAVEMENT 32
		590.32
REVISED: 05/15/2015	SHEET 1 OF 1	

R7-8 SIGN & R7-101 SIGN

5' MAX.
YELLOW CROSS HATCHING AND BORDER
YELLOW
WHITE ON BLUE
4" TYP.
8" TYP.
17'-6"
4" TYP.
8" TYP.
4" TYP.
16'

NOTE:
FOR MULTIPLE ACCESSIBLE PARKING SPACES IN A ROW, THE DESIGN ENGINEER HAS THE OPTION OF USING THE ABOVE SHOWN UNIT IN A COMBINATION OF LEFT-HANDED AND RIGHT-HANDED LAYOUTS IF IT PROVIDES FOR BETTER SITE DESIGN.

City of Naperville STANDARD DETAIL	ACCESSIBLE PARKING SPACE MARKINGS	PAVEMENT 35
		590.35
REVISED: 01/01/2013	SHEET 2 OF 4	

NOTES FOR ACCESSIBLE PARKING SPACES:

1. EACH PARKING SPACE SHALL BE AT LEAST 16' WIDE, WITH AN 8' WIDE ACCESS AISLE.
2. ADJACENT ACCESSIBLE PARKING SHALL NOT SHARE A COMMON ACCESS AISLE.
3. SIGNS SHALL BE VERTICALLY MOUNTED ON A PERMANENT POST OR A WALL AT THE FRONT CENTER BETWEEN THE SPACE AND THE ACCESS AISLE NO MORE THAN 5' HORIZONTALLY FROM THE FRONT OF A PARKING SPACE AND SET A MINIMUM OF 4' FROM THE FINISHED GRADE TO THE BOTTOM OF THE "\$250 FINE" SIGN.
4. ACCESSIBLE PARKING SIGNS SHALL ALSO EXHIBIT THE WORDS "\$250 FINE".
5. PARKING SPACES DESIGNED FOR PERSONS WITH DISABILITIES AND ACCESSIBLE PASSENGER LOADING ZONES THAT SERVE A PARTICULAR BUILDING, SHALL BE LOCATED ON THE SHORTEST POSSIBLE ACCESSIBLE CIRCULATION ROUTE TO AN ACCESSIBLE ENTRANCE OF THE BUILDING.
6. IN SEPARATE PARKING STRUCTURES OR LOTS THAT DO NOT SERVE A PARTICULAR BUILDING, PARKING SPACES FOR PERSONS WITH DISABILITIES SHALL BE LOCATED ON THE SHORTEST POSSIBLE CIRCULATION ROUTE TO AN ACCESSIBLE PEDESTRIAN ENTRANCE OF THE PARKING FACILITY.

TOTAL OFF STREET PARKING SPACES REQUIRED	REQUIRED MINIMUM NUMBER OF ACCESSIBLE PARKING SPACES
1 TO 25	1
26 TO 50	2
51 TO 75	3
76 TO 100	4
101 TO 150	5
151 TO 200	6
201 TO 300	7
301 TO 400	8
401 TO 500	9
501 TO 1000	2% OF TOTAL NUMBER
OVER 1000	20 PLUS 1 FOR EACH 100 OVER 1000

OF ACCESSIBLE SPACES REQUIRED PER # OF OFF STREET PARKING

RESERVED PARKING	ACCESSIBLE PARKING SIGN (R7-8)
\$250 FINE	"\$250 FINE" SIGN (R7-101)
VAN ACCESSIBLE	VAN ACCESSIBLE SIGN (OPTIONAL) 18" x 9" 2" SERIES D LETTERS
ACCESSIBLE SYMBOL	ACCESSIBLE SYMBOL LINES SHALL BE WHITE.

City of Naperville STANDARD DETAIL	ACCESSIBLE PARKING SPACE MARKINGS	PAVEMENT 35
		590.35
REVISED: 01/01/2013	SHEET 4 OF 4	

5' MAX (TYP)
FASTENER 4 PER POST REQUIRED (TYP)
FILTER FABRIC
2" MIN
12" MIN

WIRE MESH REINFORCEMENT (OPTIONAL)
METAL OR WOOD POST OF STAKE
FILTER FABRIC
COMPACTED BACKFILL MATERIAL
6" MIN.
DIRECTION OF RUNOFF FLOW
SUPPORT POST ANCHORAGE FROM IN-SITU SOIL OR CEMENT MORTAR
UNDISTURBED SOIL
6" MIN.

FABRIC ANCHOR DETAIL (FOR USE WITHIN THE DRIP LINE OF A TREE)
6" MIN.
6" MIN.
FILTER FABRIC
DIRECTION OF FLOW
UNDISTURBED GROUND LINE

City of Naperville STANDARD DETAIL	TEMPORARY EROSION CONTROL MEASURE - SILT FENCE	LANDSCAPE 3
		790.03
REVISED: 01/01/2013	SHEET 1 OF 2	

STEP 1
STEP 2
STEP 3

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 1 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 STANDARD DETAIL	TEMPORARY EROSION CONTROL MEASURE - SILT FENCE	LANDSCAPE 3
		790.03
REVISED: 01/01/2013	SHEET 2 OF 2	

SCHOOL AND PEDESTRIAN

WHITE PAVEMENT MARKINGS
6" TYP.
2' 12' 2' 12'

BICYCLE AND EQUESTRIAN (TRAIL CROSSINGS)

WHITE PAVEMENT MARKINGS
6" TYP.
6" TRAIL WIDTH
6" MIN.
45°
12'

City of Naperville STANDARD DETAIL	CROSSWALK	PAVEMENT 35
		590.33
REVISED: 06/14/2013	SHEET 1 OF 1	

JG 10.11.19



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**NAPERVILLE
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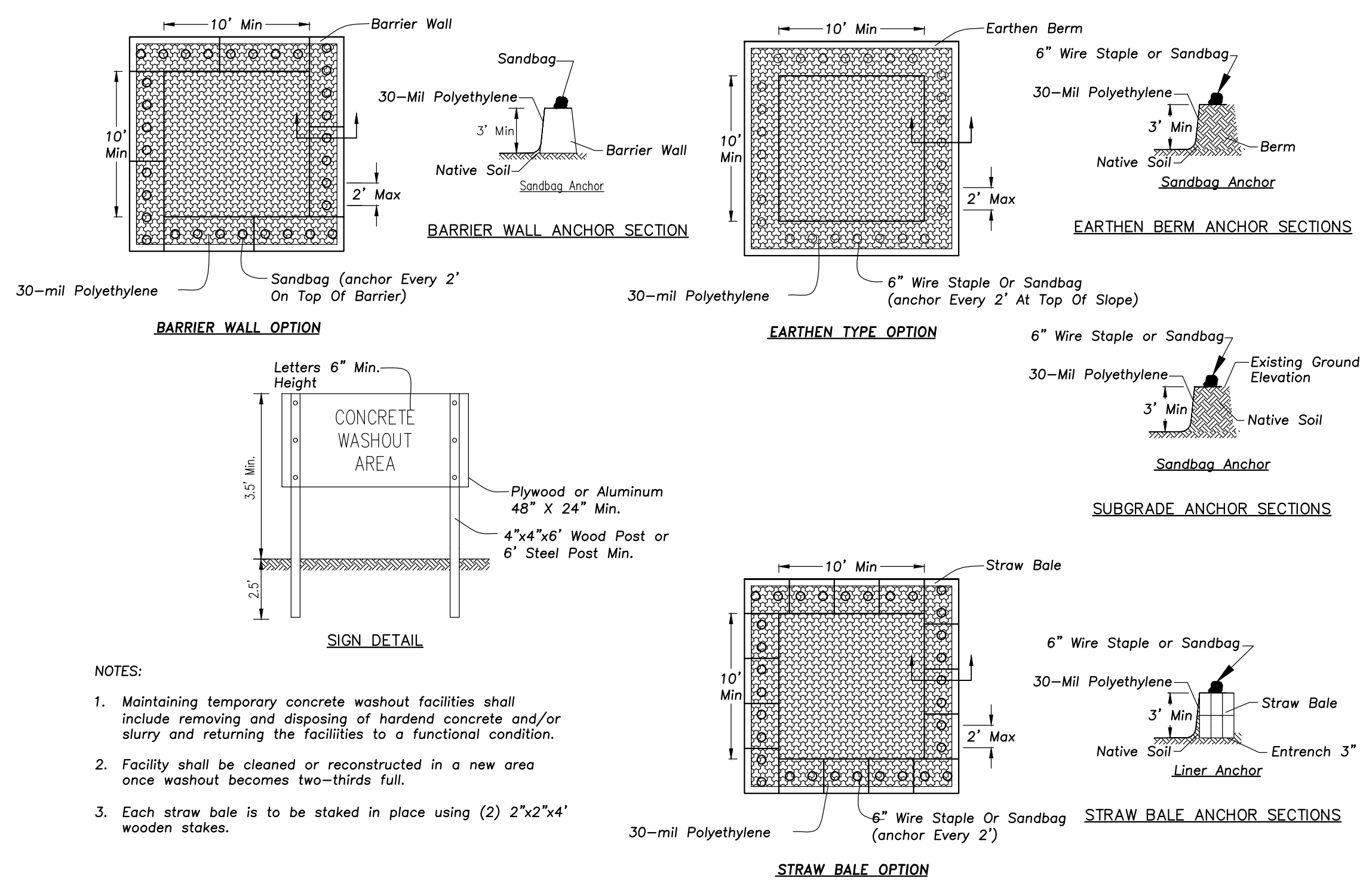
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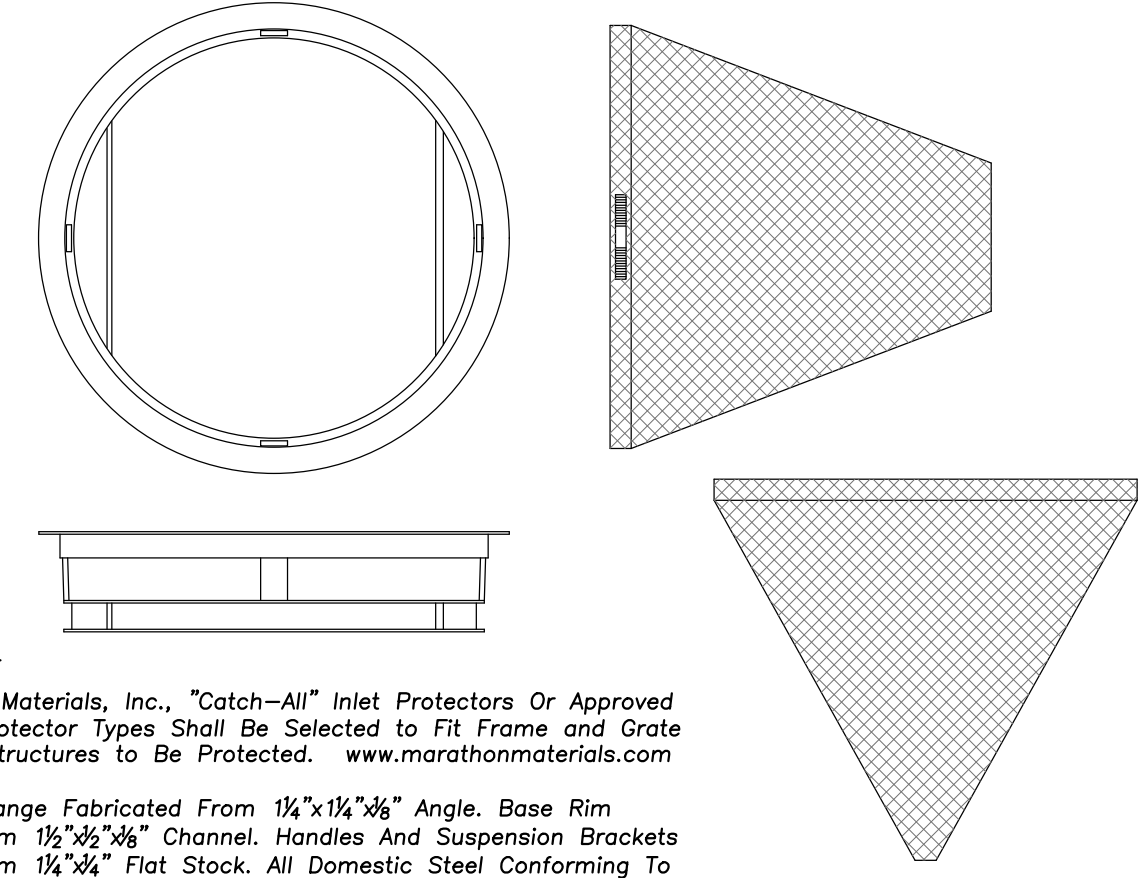
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1350 E. Ogden Ave.
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- NOTES:
- Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.
 - Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.
 - Each straw bale is to be staked in place using (2) 2"x2"x4' wooden stakes.

CONCRETE WASHOUT FACILITY



General Notes:
Use Marathon Materials, Inc., "Catch-All" Inlet Protectors Or Approved Equal. Inlet Protector Types Shall Be Selected to Fit Frame and Grate of Open Lid Structures to Be Protected. www.marathonmaterials.com
Frame: Top Flange Fabricated From 1 1/4"x1 1/4"x3/16" Angle. Base Rim Fabricated From 1 1/2"x2 1/2"x1/8" Channel. Handles And Suspension Brackets Fabricated From 1 1/4"x1/4" Flat Stock. All Domestic Steel Conforming To ASTM-A36.
Sediment Bag: Bag Fabricated From 4 Oz./sq.yd. Non-woven Polypropylene Geotextile Reinforced With Polyester Mesh. Bag Secured To Base Rim With A Stainless Steel Strap And Lock.
Install Baskets In All Existing Storm Inlets Prior To Construction And All New Storm Inlets Immediately After Installation. Contractor Shall Maintain Throughout Construction Activities.

INLET PROTECTORS – SEDIMENT BAG

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083-048670
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