

FINAL ENGINEERING PLANS

AURORA AVENUE PROFESSIONAL BUILDING

405 S MAIN STREET & 115 AURORA AVENUE

NAPERVILLE, ILLINOIS

LEGEND

EXISTING

PROPOSED

SANITARY SEWER

FORCE MAIN

STORM SEWER

UNDERDRAIN

MANHOLE

CATCH BASIN

INLET

CLEANOUT

WATER MAIN

VALVE VAULT

VALVE BOX

FIRE HYDRANT

FLARED END SECTION

COMBINED SEWER

STREET LIGHT/PARKING LOT LIGHT

POWER POLE

STREET SIGN

FENCE

GAS MAIN

OVERHEAD LINE

TELEPHONE LINE

ELECTRIC LINE

CABLE TV LINE

HIGH WATER LEVEL

NORMAL WATER LEVEL

CONTOUR LINE

TOP OF CURB ELEVATION

TOP OF DEPRESSED CURB

PAVEMENT ELEVATION

SPOT ELEVATION

FINISHED FLOOR ELEVATION

TOP OF FOUNDATION

GRADE AT FOUNDATION

HIGH OR LOW POINT

OVERLAND FLOOD ROUTE

PAVEMENT FLOW DIRECTION

SWALE FLOW DIRECTION

DEPRESSED CURB AND GUTTER

REVERSE CURB AND GUTTER

8" PVC

FM

12" RCP

UD

WM

OH

T

E

CATV

NWL XXX

XXX.XX

TC XXX.XX

TDC XXX.XX

P XXX.XX

XXX.XX

FP + XXX.XX

TP + XXX.XX

GF + XXX.XX

2.0%

8" PVC

FM

12" RCP

UD

WM

OH

T

E

CATV

HWL XXX

NWL XXX

XXX.XX

TC XXX.XX

TDC XXX.XX

P XXX.XX

XXX.XX

FP + XXX.XX

TP + XXX.XX

GF + XXX.XX

2.0%

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THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION, DIRECTION AND MEANS & METHODS OF CONSTRUCTION

ABBREVIATIONS

AC ACRE

BC BACK OF CURB

BTM BOTTOM

CB CATCH BASIN

CFS CUBIC FEET PER SECOND

CY CUBIC YARD

DIA DIAMETER

DIMM DUCTILE IRON WATER MAIN

EL ELEVATION

EP EDGE OF PAVEMENT

FF FINISHED FLOOR

FES FLARED END SECTION

FT FOOT/FEET

G GUTTER ELEVATION

GF GRADE AT FOUNDATION

GR GRADE RING ELEVATION

HDPE HIGH DENSITY POLYETHYLENE PIPE

HYD FIRE HYDRANT

HMA HOT MIX ASPHALT

HWL HIGH WATER ELEVATION

INL INLET

INV INVERT

LF LINEAL FEET/FOOT

LP LIGHT POLE

LT LEFT

L/W LOWEST GRADE ADJACENT TO RETAINING WALL

MAX MAXIMUM

MH STORM MANHOLE

MIN MINIMUM

NWL NORMAL WATER ELEVATION

OCS OUTLET CONTROL STRUCTURE

P PAVEMENT ELEVATION

PVC POLYVINYL CHLORIDE PIPE

R RADIUS

RCP REINFORCED CONCRETE PIPE

RTM RIM ELEVATION

RT RIGHT

ROW RIGHT OF WAY

SAN SANITARY SEWER

SMH SANITARY MANHOLE

STA STATION

STM STORM SEWER

SY SQUARE YARD

SWPP STORMWATER POLLUTION PREVENTION PLAN

TDC TOP OF DEPRESSED CURB

TC TOP OF CURB

TF TOP OF FOUNDATION

T/W TOP OF RETAINING WALL

TYP TYPICAL

VB VALVE BOX

VC VERTICAL CURVE

VV VALVE VAULT

W WALK ELEVATION

WM WATER MAIN

VP1 VERTICAL POINT OF INTERSECTION

BENCHMARKS

SOURCE BENCHMARK: (NGS MONUMENT DESIGNATION 19, PID AA3735)
FROM THE INTERSECTION OF ILLINOIS STATE HIGHWAY 59 AND AURORA AVENUE IN NAPERVILLE, PROCEED EAST NORTHEAST ALONG AURORA AVENUE 2 MILES TO STATION ON THE RIGHT. STATION IS IN GRASSY AREA BETWEEN SIDEWALK AND BACK OF CURB +/- 40 FEET SOUTH OF CENTERLINE OF AURORA AVENUE AND +/- 390 FEET EAST OF CENTERLINE OF WILD CHERRY LANE. STATION IS 47.52 FEET EAST NORTHEAST OF + CHISELED ON TOP OF FIRE HYDRANT, 6.54 FEET SOUTHEAST OF + CHISELED ON BACK OF CURB, AND 19.26 FEET SOUTHWEST OF + CHISELED ON BACK OF CURB. STATION IS 5 FEET NORTHWEST OF SIDEWALK. STATION IS STAINLESS STEEL ROD IN PVC SLEEVE WITH METAL LID SET FLUSH WITH GROUND ELEVATION = 707.72 (NAVD88)

CITY OF NAPERVILLE SURVEY MONUMENT NO. 15051: BERTSEN 3D TOP SECURITY MONUMENT, CONSISTING OF A 9/16" DIAMETER STAINLESS STEEL DATUM POINT. ELEVATION = 672.24 (NAVD88)

SITE BENCHMARK #1: CUT CROSS ON TOP OF CURB ON THE WEST SIDE OF MAIN STREET ON THE NORTH SIDE OF THE ENTRANCE TO THE FIRST ALLEY NORTH OF AURORA AVENUE. THE MARK IS ON THE SOUTH END OF A CURB RADIUS AND APPROXIMATELY 13 FEET SOUTH OF A FIRE HYDRANT. ELEVATION = 639.40

SITE BENCHMARK #2: CUT CROSS ON TOP OF CURB AT THE NORTHWEST QUADRANT OF AURORA AVENUE AND MAIN STREET IN FRONT OF TRAFFIC SIGNAL POLE WITH WALK SIGNAL. ELEVATION = 679.84

JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS
Call 48 hours before you dig
(Excluding Sat, Sun, & Holidays)
1-800-892-0123

NOTES:

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS:

- STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT-SS) FOR ALL IMPROVEMENTS EXCEPT SANITARY SEWER AND WATER MAIN CONSTRUCTION;
- STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION;
- MUNICIPAL CODE CITY OF NAPERVILLE, ILLINOIS

IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRINGENT SHALL TAKE PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.

DRAINAGE CERTIFICATION

I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DRAINAGE OF SURFACE WATERS WILL NOT BE CHANGED BY THE CONSTRUCTION OF SAID IMPROVEMENTS OR ANY PART THEREOF, OR, THAT IF SUCH SURFACE WATER DRAINAGE WILL BE CHANGED, REASONABLE PROVISION HAS BEEN MADE FOR COLLECTION AND DIVERSION OF SUCH SURFACE WATERS INTO PUBLIC AREA, 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 IMPROVEMENTS.

7/23/26
EXPIRES
11/30/27

ENGINEER'S SEAL

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			APPROVED	ST
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06/12/2026	REVISED PER CITY COMMENTS	ST	SCALE	N.T.S.
DATE	DESCRIPTION OF REVISION	BY		

COVER SHEET
AURORA AVENUE PROFESSIONAL BUILDING
NAPERVILLE, ILLINOIS

SHEET
1 OF 14

PROJECT NUMBER: 5268
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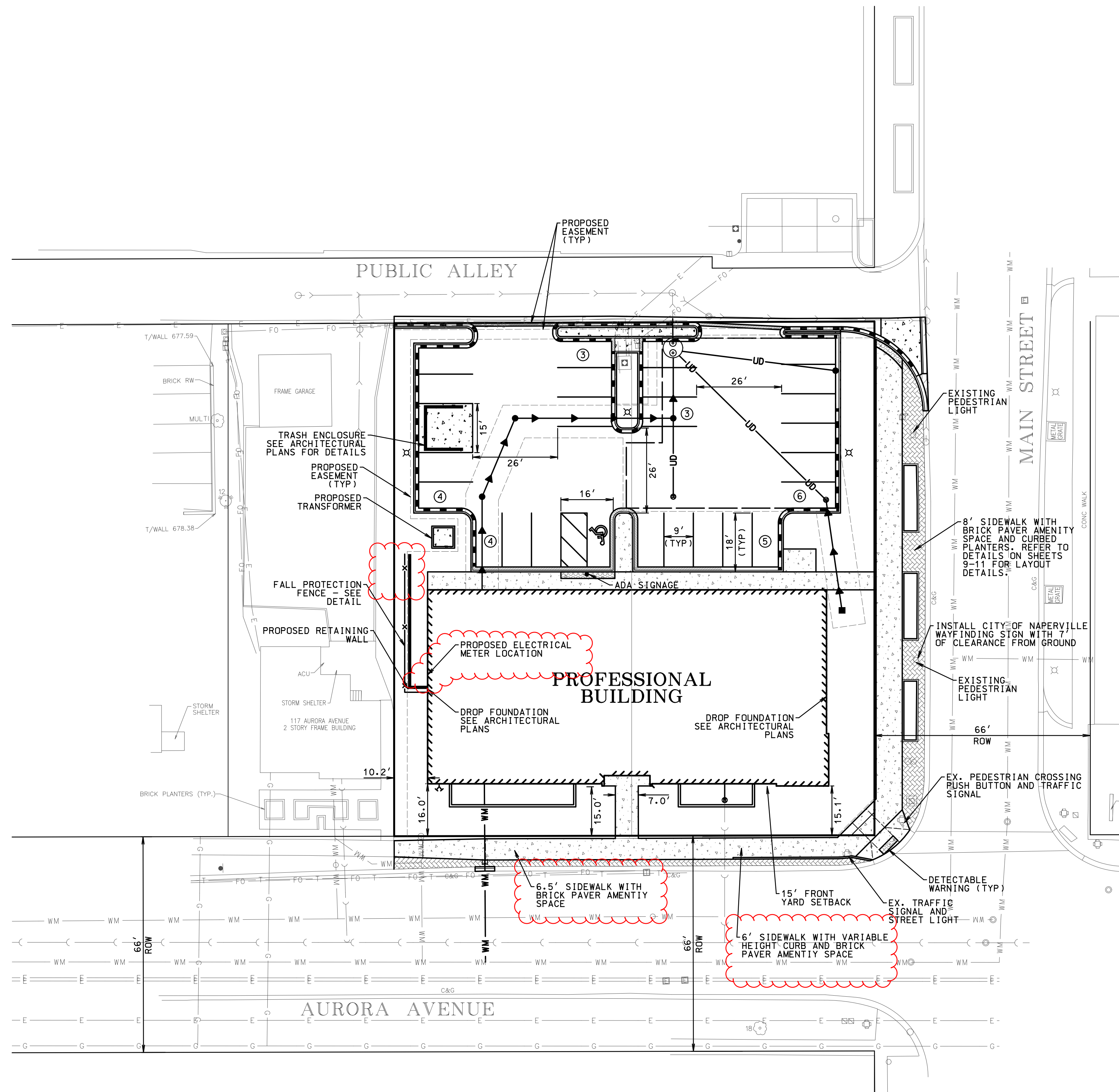


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DATE	DESCRIPTION OF REVISION	BY		

**SITE PLAN
AURORA AVENUE PROFESSIONAL BUILDING
NAPERVILLE, ILLINOIS**

SHEET	
2 OF 14	
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SITE DATA TABLE

TOTAL AREA	23,073 SF
EXISTING IMPERVIOUS	11,671 SF
PROPOSED IMPERVIOUS	17,466 SF
NET NEW IMPERVIOUS	5,795 SF*
PARKING STALLS	25

* PCBMPs ARE REQUIRED IN ACCORDANCE WITH THE
DUFAGE COUNTY STORMWATER ORDINANCE

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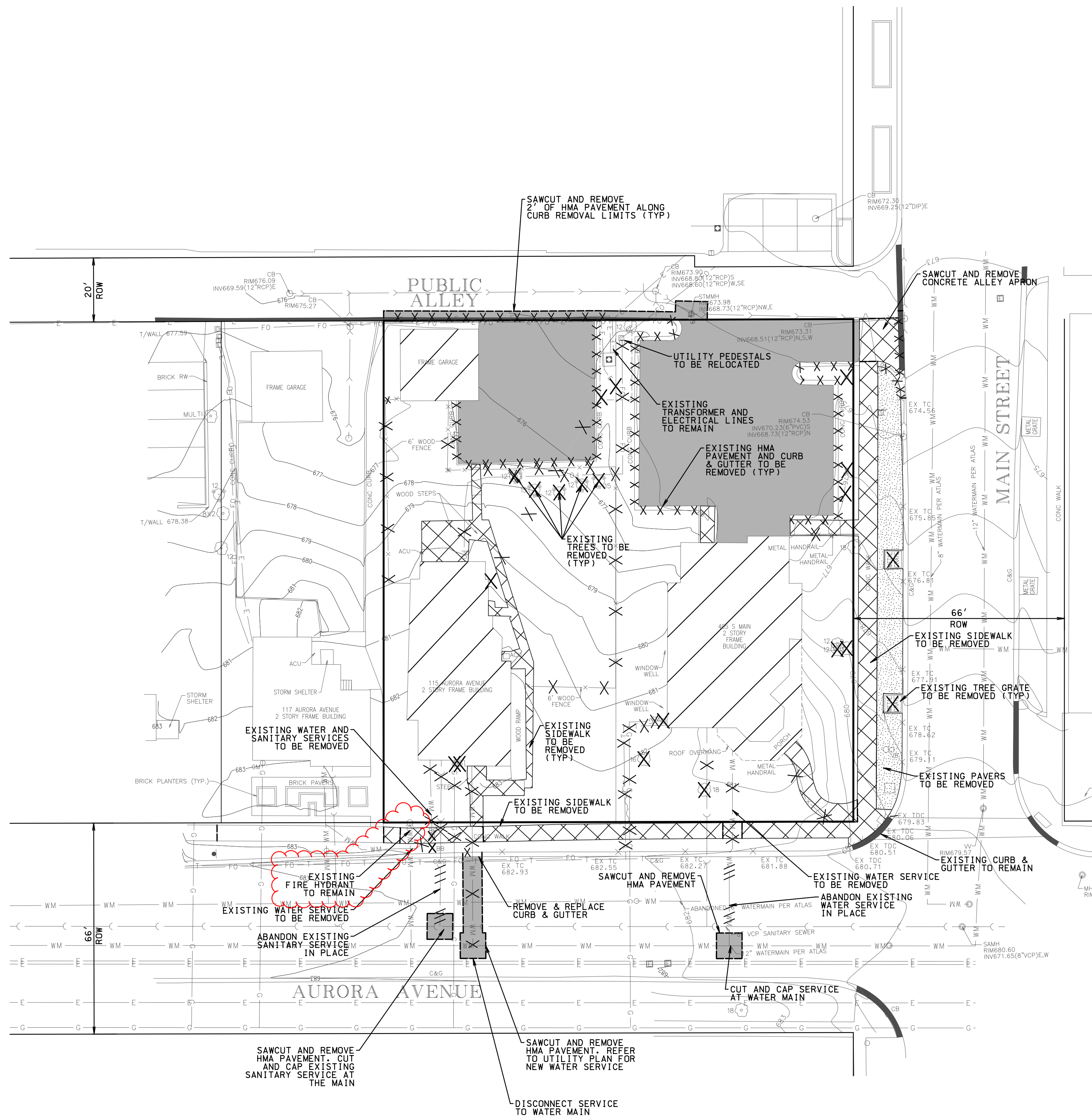
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06/12/2026	REVISED PER CITY COMMENTS	DATE	
	DESCRIPTION OF REVISION	BY	SCALE
			1" = 20'

EXISTING CONDITIONS AND DEMOLITION PLAN AURORA AVENUE PROFESSIONAL BUILDING NAPERVILLE, ILLINOIS

SHEET

3 OF 14

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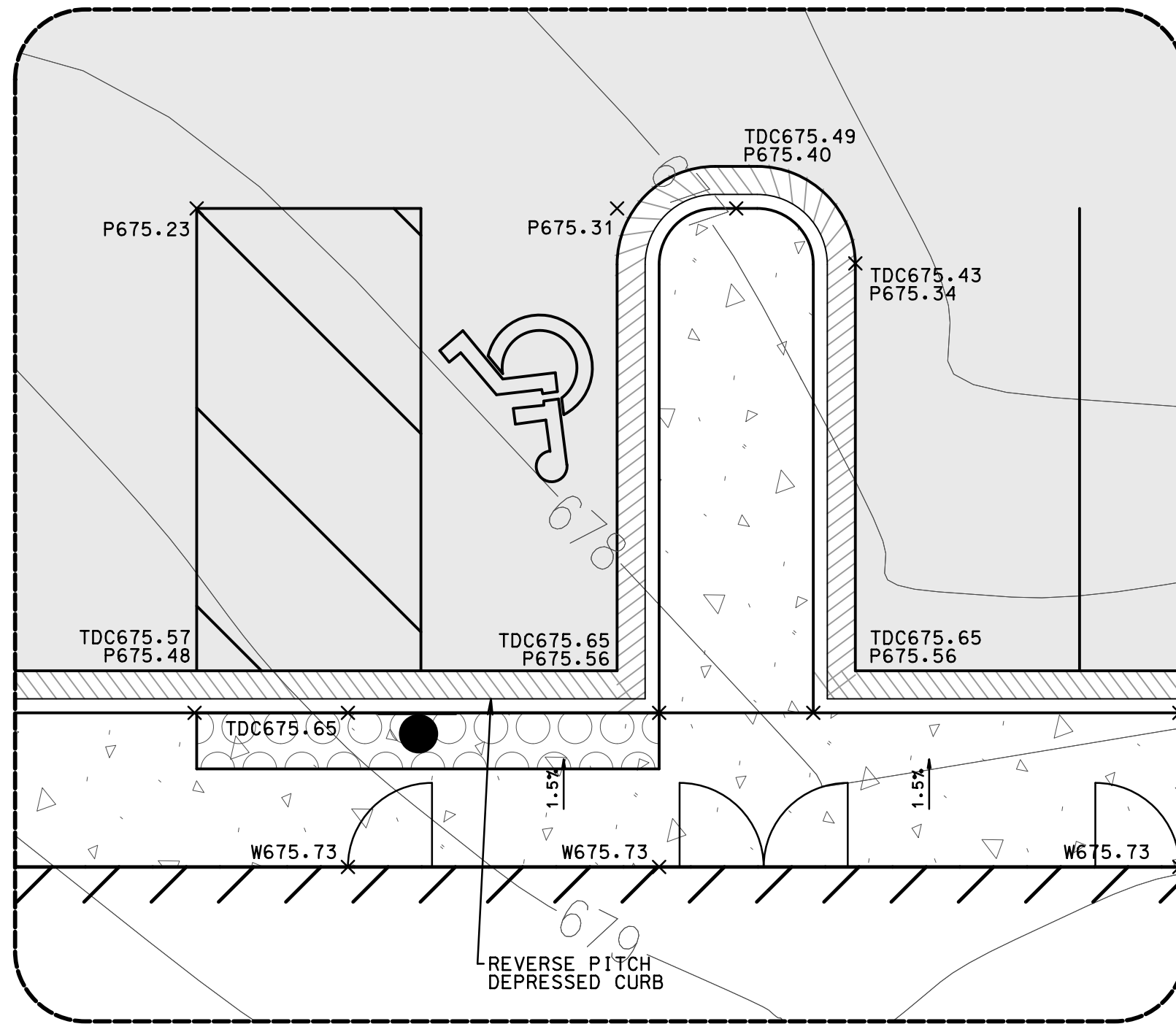


DEMOLITION LEGEND

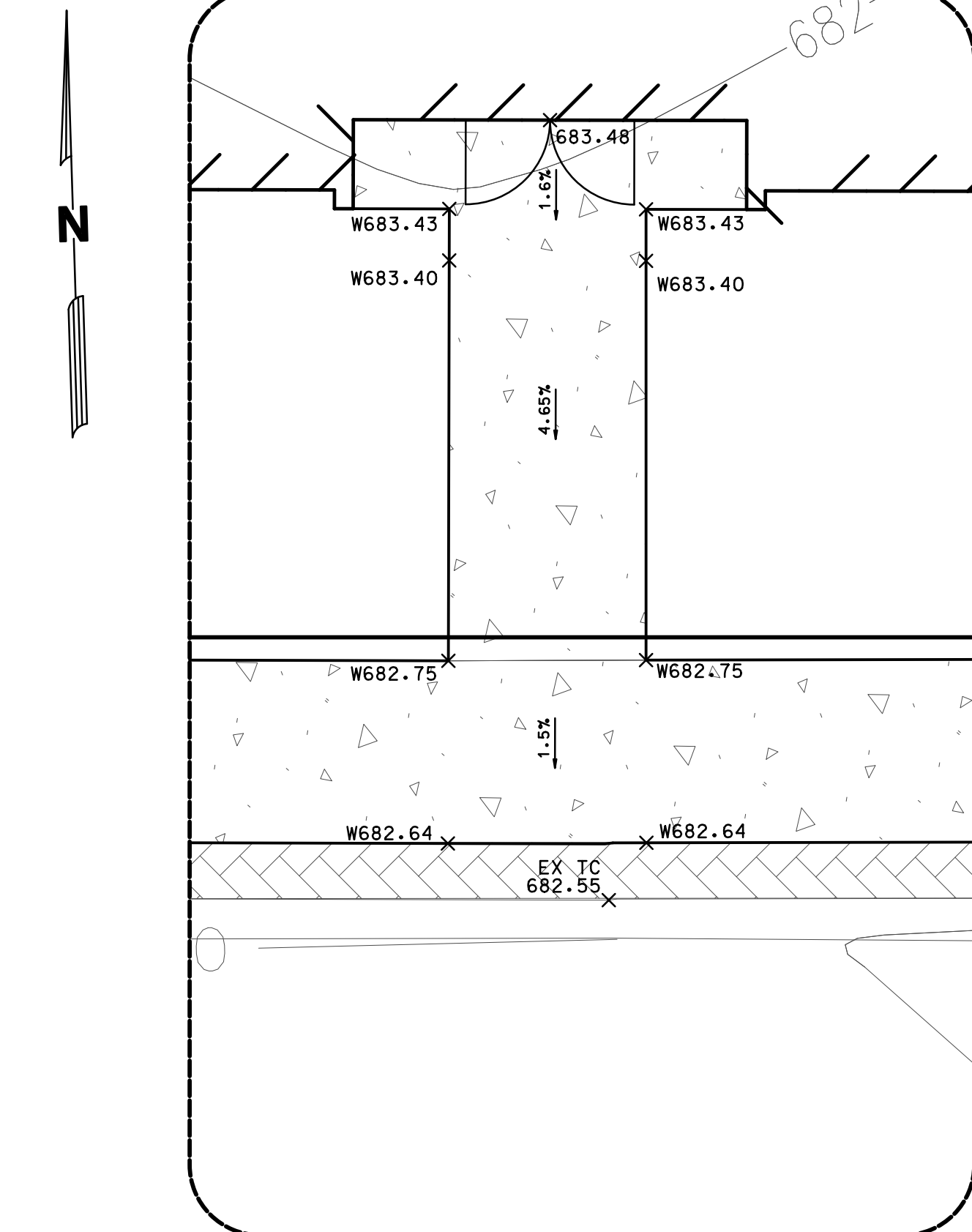
EXISTING BUILDING TO BE REMOVED	
EXISTING CONCRETE TO BE REMOVED	
EXISTING HMA PAVEMENT TO BE REMOVED	
EXISTING BRICK PAVERS TO BE REMOVED	
EXISTING CURB TO BE REMOVED	
EXISTING UTILITY TO BE REMOVED	
EXISTING UTILITY TO BE ABANDONED	
EXISTING STRUCTURE, TREE, MISCELLANEOUS OBJECT TO BE REMOVED	

DEMOLITION PLAN GENERAL NOTES:

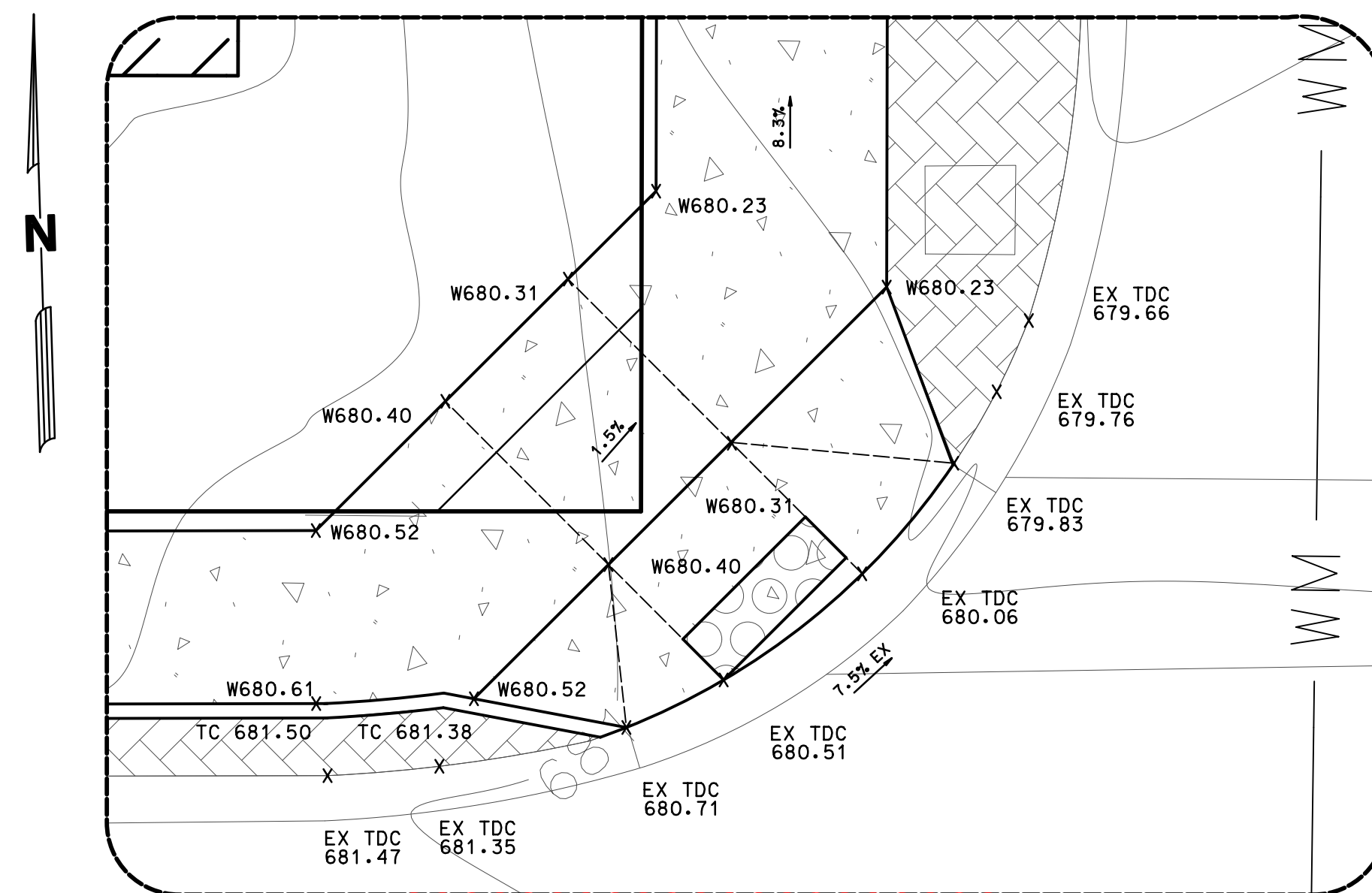
- CONTRACTOR SHALL PERFORM ALL DEMOLITION WORK IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REQUIREMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS FOR DEMOLITION WORK AND ASSOCIATED UTILITY DISCONNECT FEES.
- THE MUNICIPALITY AND THE OWNER SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
- THIS PLAN WAS PREPARED FROM TOPOGRAPHIC SURVEY PREPARED BY MACKIE CONSULTANTS, LLC, DATED 9-26-25, 3-12-26, AND AVAILABLE RECORDS. CONTRACTOR SHALL FIELD VERIFY ALL UTILITIES SHOWN AND NOT SHOWN BEFORE COMMENCING WORK AND NOTIFY THE ENGINEER OR OWNER OF ANY DISCREPANCIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO BEGINNING DEMOLITION WORK FOR THE EXACT LOCATIONS OF THE UTILITIES. THE CONTRACTOR SHALL ARRANGE FOR THE DISCONNECTION, PROTECTION OR RELOCATION OF ANY EXISTING UTILITY SERVICES, INCLUDING WATER, SEWER, GAS, ELECTRIC, TELEPHONE AND CABLE.
- THE CONTRACTOR IS REQUIRED TO ASSURE HIMSELF OF LOCATION AND DEPTH OF EXISTING UTILITIES AND RELATED FEATURES AND SHALL REPORT AT ONCE TO THE OWNER OR ENGINEER ANY DISCREPANCIES WITH RESPECT TO INFORMATION INDICATED IN THE CONTRACT DOCUMENTS.
- ALL HMA PAVEMENT AND BUILDING MATERIALS SHALL BE REMOVED TO AN OFFSITE LOCATION. GRAVEL BASE MATERIALS SHALL BE STOCKPILED ONSITE AND USED FOR TEMPORARY ROADS OR GENERAL FILL, AS APPROVED BY THE OWNER OR DEVELOPER. ANY BASE MATERIALS REMAINING UPON COMPLETION OF THE PROPOSED IMPROVEMENTS SHALL BE HAULED TO AN OFFSITE LOCATION.
- ALL UTILITIES TO REMAIN AS NOTED SHALL BE ADJUSTED TO THE FINAL GRADES AS PROVIDED ON THE UTILITY PLANS.
- GAS, TELEPHONE AND ELECTRIC DISTRIBUTION SYSTEM REMOVALS AND ADJUSTMENTS SHALL BE DONE BY RESPECTIVE UTILITY AND PAID FOR SEPARATELY BY OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THIS WORK INCIDENTAL TO THE CONTRACT. ALL ENVIRONMENTAL REMEDIATION WILL BE COMPLETED BY OWNER PRIOR TO START OF CONSTRUCTION.
- ALL EXISTING UTILITIES ARE TO REMAIN IN SERVICE UNLESS SPECIFICALLY SHOWN TO BE REMOVED.
- ALL UTILITIES AND STRUCTURES LOCATED WITHIN 5 FEET OF THE PROPOSED BUILDING LOCATION SHALL BE COMPLETELY REMOVED AND THE EXCAVATION BACKFILLED WITH SELECT GRANULAR MATERIAL. ALL REMAINING UTILITIES AND STRUCTURES LOCATED WITHIN THE PROJECT AREA SHALL BE REMOVED TO A DEPTH OF 2-FEET BELOW PROPOSED FINISHED GRADE.
- ALL PIPES TO BE ABANDONED IN PLACE SHALL BE PLUGGED AT BOTH ENDS WITH A MINIMUM OF TWO (2) FEET NON-SHRINK CONCRETE MORTAR PLUGS. ANY STRUCTURES TO REMAIN SHALL HAVE THE BOTTOM BROKEN TO FACILITATE DRAINAGE AND FILLED WITH SAND OR PEA GRAVEL.
- ALL EXISTING TREES, BRUSH, AND MISCELLANEOUS APPURTENANCES, SUCH AS FENCES, PLANTER BOXES, AND MISCELLANEOUS DEBRIS SHALL BE HAULED TO AN OFFSITE LOCATION.
- ANY EXISTING PAVEMENT TO REMAIN SHALL BE BROKEN UP IN PLACE TO PROVIDE ADEQUATE DRAINAGE.
- THE CONTRACTOR SHALL ENSURE THAT ALL ADJOINING AREAS, INCLUDING ADJACENT STREETS AND DRIVEWAYS, SHALL BE FREE OF DEBRIS AT ALL TIMES.
- PAVEMENT, CURB AND GUTTER AND SIDEWALK SHALL BE SAWCUT FULL DEPTH AT THE LIMITS OF REMOVAL.
- ALL TREES TO REMAIN SHALL BE PROTECTED WITH SILT FENCE OR ORANGE CONSTRUCTION FENCES. PROTECTIVE FENCING SHALL BE PLACED AT THE DRIP LINE OF THE TREE TO BE SAVED. CONSTRUCTION WITHIN THE FENCE WITHOUT PERMISSION FROM THE OWNER OR MUNICIPALITY IS STRICTLY PROHIBITED.
- ANY DAMAGE DONE TO EXISTING STRUCTURES OR OBJECTS NOT SHOWN TO BE REMOVED OR REPLACED SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.



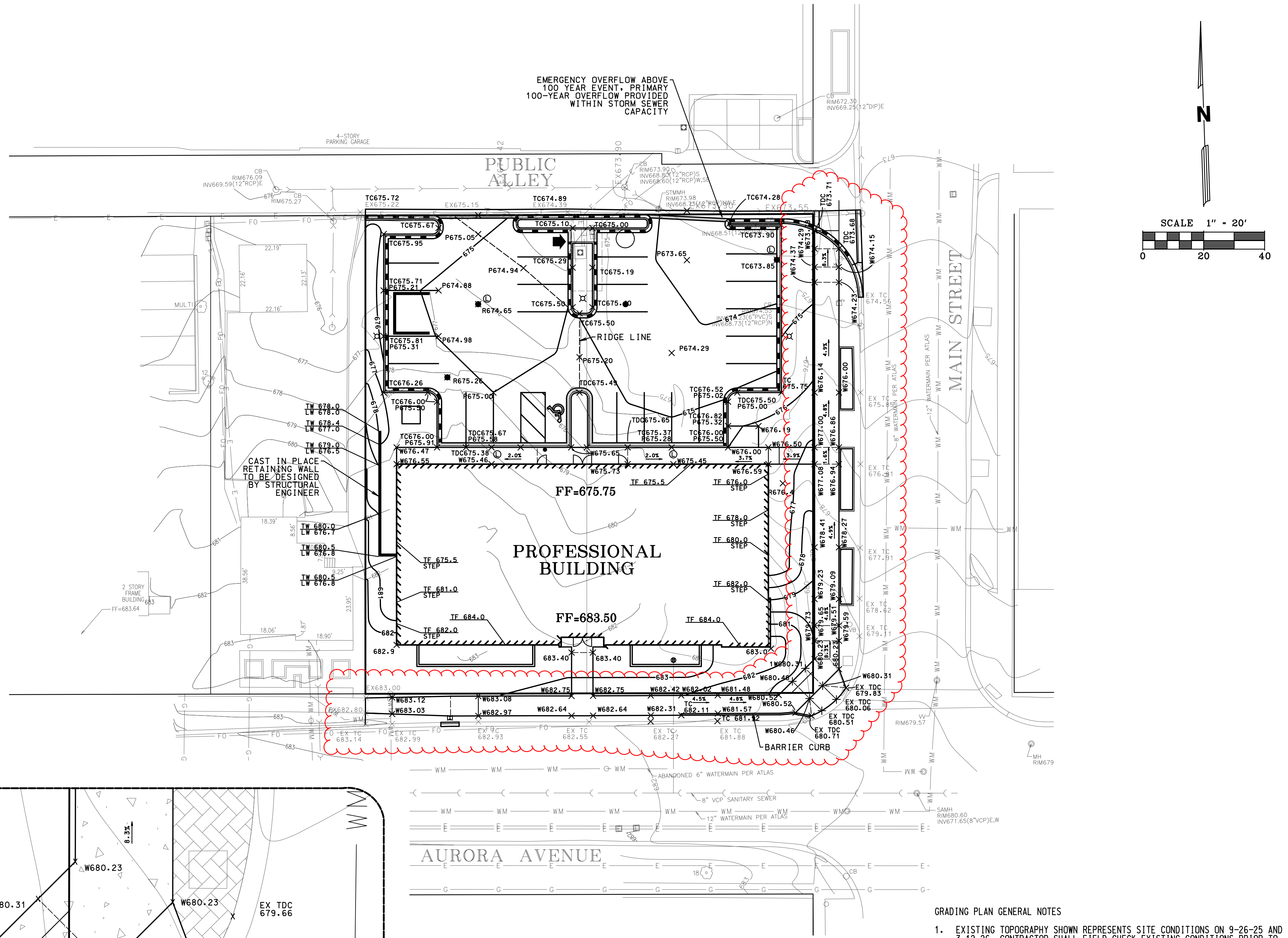
ADA DETAIL
PARKING STALL



ADA DETAIL
BUILDING ENTRANCE



CURB RAMP DETAIL



GRADING PLAN GENERAL NOTES

- EXISTING TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS ON 9-26-25 AND 3-12-26. CONTRACTOR SHALL FIELD CHECK EXISTING CONDITIONS PRIOR TO START OF CONSTRUCTION AND NOTIFY THE OWNER AND ENGINEER OF ANY DISCREPANCIES.
- ALL DISTURBED AREAS SHALL BE RESTORED WITH 6-INCHES OF TOPSOIL AND SEED.
- EXCAVATION AND EMBANKMENT SHALL BE PERFORMED PER THE DETAILED SPECIFICATIONS AND THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
- ALL CURB ELEVATIONS ARE TO BE TOP OF CURB. ALL GUTTER ELEVATIONS ARE 0.5' BELOW TOP OF CURB ELEVATION UNLESS OTHERWISE NOTED.
- GRADING INDICATED MAY NEED TO BE ADJUSTED BASED ON FIELD CONDITIONS. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES WITH FIELD CONDITIONS PRIOR TO FINE GRADING.
- ALL DRAIN TILES ENCOUNTERED DURING MASS GRADING/UTILITY WORK MUST BE CONNECTED TO THE PROPOSED STORM SEWER SYSTEM. A RECORD MUST BE KEPT OF ANY DRAIN TILE ENCOUNTERED, TO BE INCLUDED IN RECORD DRAWINGS.
- OVERFLOW DRAINAGE ROUTES AND SWALES MUST BE INSTALLED AT THE ELEVATION AND LOCATION SHOWN.
- DO NOT INTERRUPT DRAINAGE FROM OFF SITE DURING CONSTRUCTION OPERATIONS. PROVIDE TEMPORARY DRAINAGE DITCHES WHERE REQUIRED.
- CONTRACTOR SHALL MEET EXISTING GROUND ELEVATIONS AT PROPERTY LINE, UNLESS OTHERWISE NOTED AND THE APPROPRIATE EASEMENTS OR PERMISSION HAS BEEN OBTAINED.

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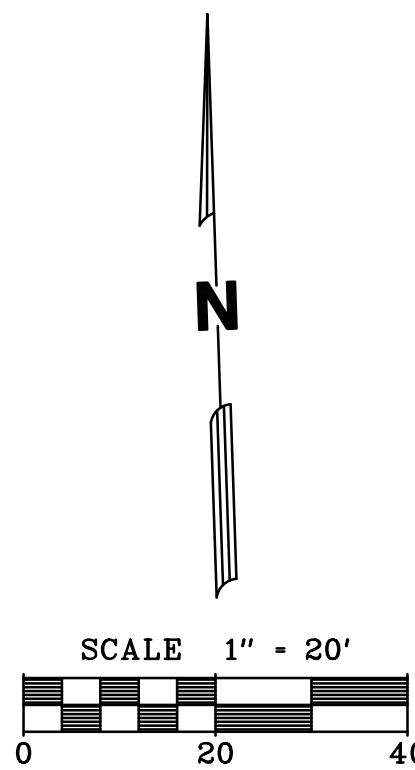
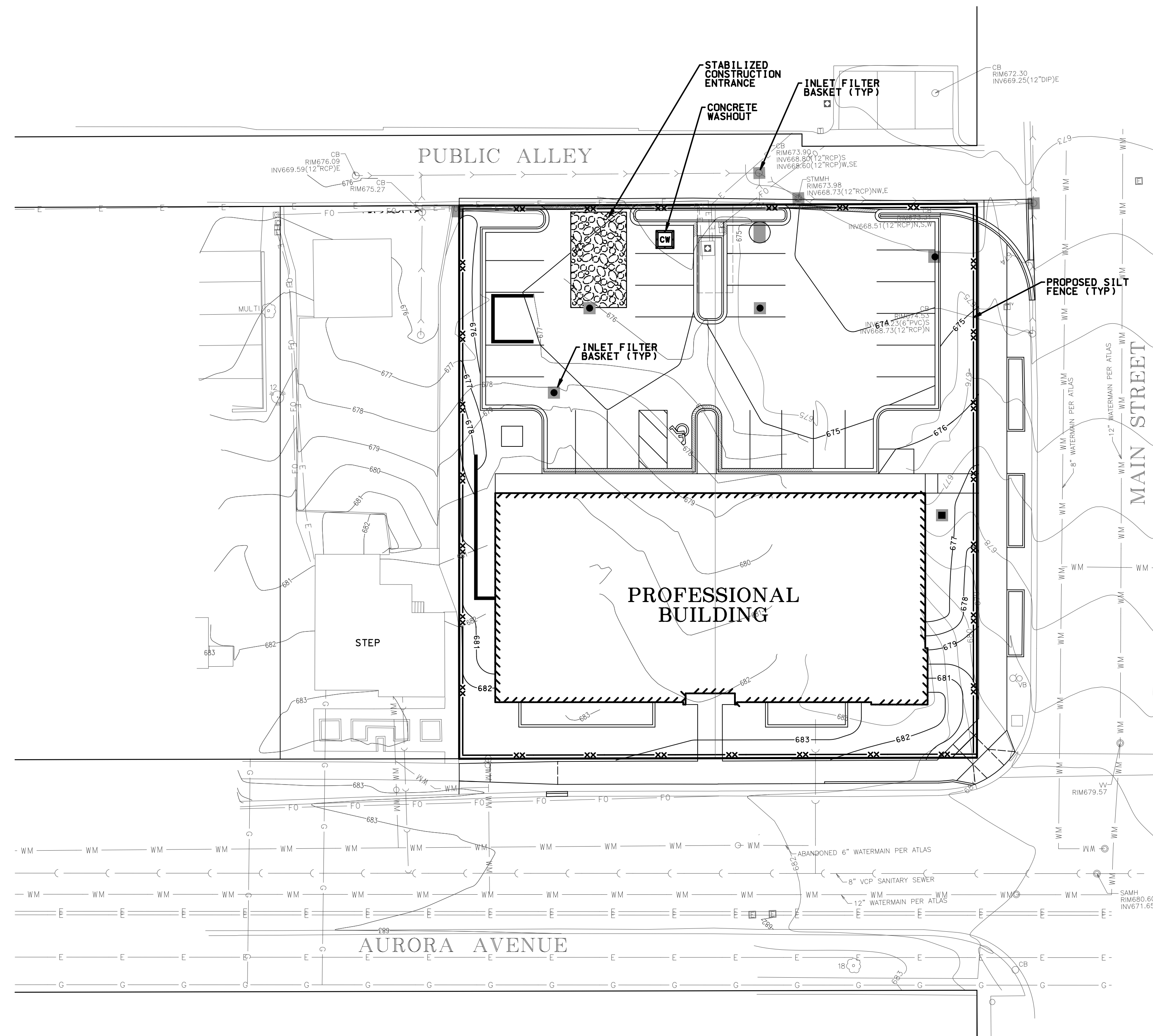


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**STORMWATER POLLUTION
PREVENTION PLAN (SWPPP)
AURORA AVENUE PROFESSIONAL BUILDING
NAPERVILLE, ILLINOIS**

SHEET	
5 OF 14	
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SWPPP LEGEND	
INLET PROTECTION - FILTER BASKET	
CONCRETE WASH-OUT	
STABILIZED CONST. ENTRANCE	
SILT FENCE	
THE FOLLOWING ITEMS HAVE NOT BEEN SPECIFICALLY SHOWN BUT ARE REQUIRED AS PART OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND MUST BE INCORPORATED DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED.	
- TEMPORARY AND/OR PERMANENT STABILIZATION	
- WASTE MANAGEMENT	
- CONCRETE WASTE MANAGEMENT (CONCRETE WASH-OUT FACILITY)	
- SEDIMENT TRAPS	
- DUST CONTROL	
- ALLOWABLE DEWATERING OPERATIONS.	
DETAILS AND INFORMATION REGARDING THESE MEASURES HAVE BEEN PROVIDED ON SHEET 6.	
THE OWNER AND CONTRACTORS SHALL ALSO REVIEW ALL CONSTRUCTION PRACTICES TO MINIMIZE THE POTENTIAL IMPACTS TO STORMWATER DISCHARGES FROM THE SITE. SPECIFIC CONSIDERATIONS ARE PROVIDED ON PAGE 6 FOR THE FOLLOWING ACTIVITIES:	
- CONCRETE CUTTING	
- VEHICLE STORAGE AND MAINTENANCE	
- MATERIAL STORAGE	
- SANITARY STATIONS	
- SPILL PREVENTION	

DISTURBED AREA = 0.53 ACRES
NO NPDES PERMIT NO. ILR10 REQUIRED

SHEET

DEPARTMENT OF PUBLIC UTILITIES - ELECTRIC GENERAL NOTES

- THE DEVELOPER SHALL SUPPLY THE DPU-E ENGINEER WITH CATALOG CUTS FOR ALL CT/METER EQUIPMENT (INCLUDING BUT NOT LIMITED TO METER SOCKETS, PT CABINET, CT CABINET, DISCONNECT CABINET) AND TRANSFORMER PAD/VAULT. THE CATALOG CUTS SHALL BE APPROVED BY DPU-E PRIOR TO PURCHASING.

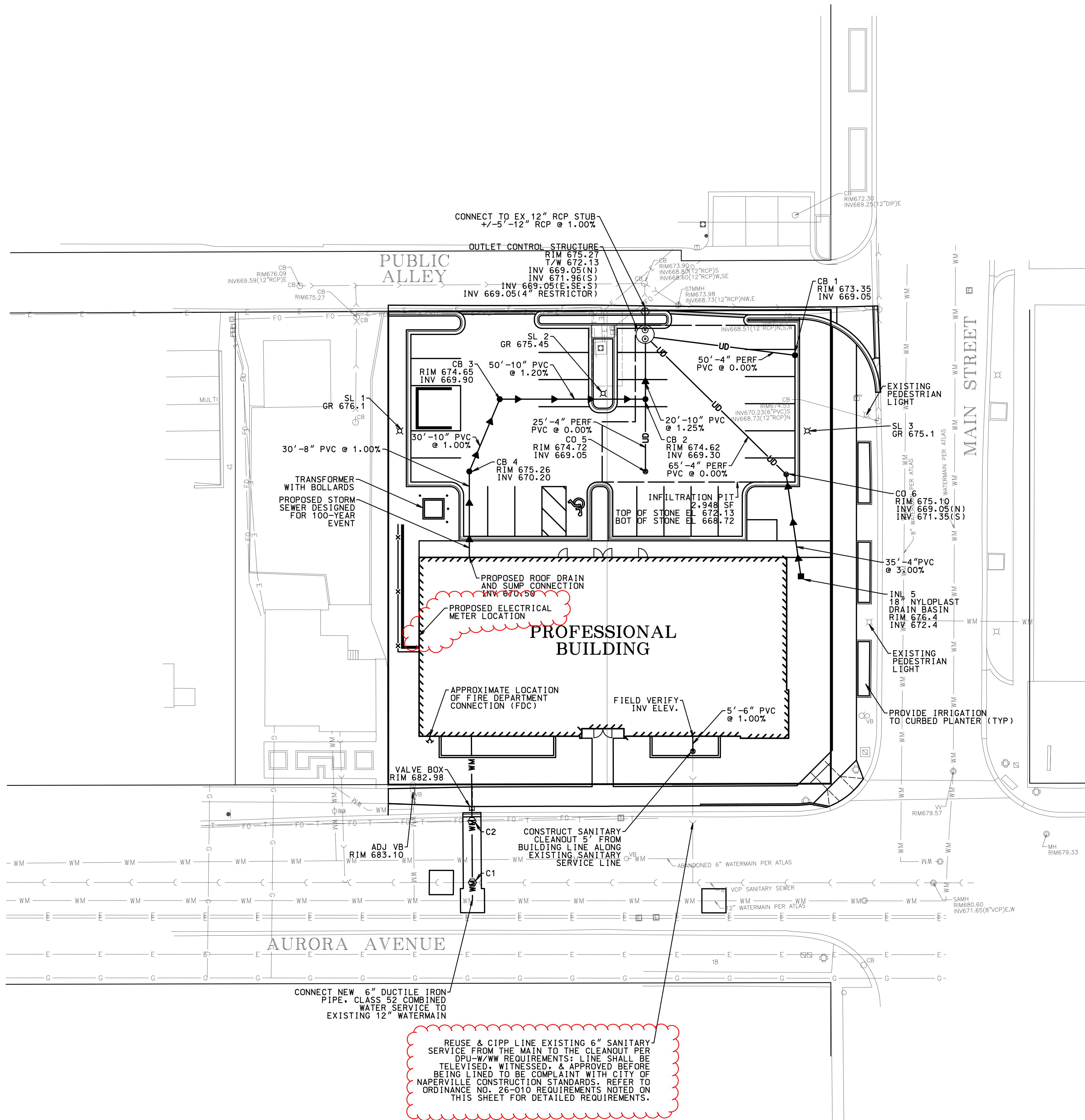
THE CT/METER CABINET SHALL BE TOP FED.

CT/METER EQUIPMENT ARE LONG LEAD TIME ITEMS AND DPU-E SHALL NOT BE HELD RESPONSIBLE FOR DELAYS RESULTING FROM NON-COMPLIANT CT/METER EQUIPMENT. PLEASE PROVIDE NAME AND CONTACT INFORMATION FOR ELECTRICAL CONTRACTOR FOR THIS PROJECT.
- DPU-E WILL PROVIDE, INSTALL, AND MAINTAIN THE TRANSFORMERS, ALL PRIMARY (15KV) CABLE AND CONDUIT, AND THE METERS AND INSTRUMENT TRANSFORMERS. DPU-E WILL ALSO MAKE THE FINAL CONNECTIONS IN THE TRANSFORMERS ONCE THE INSPECTION IS COMPLETE AND THE BUILDING IS READY TO BE ENERGIZED.

THE DEVELOPER IS RESPONSIBLE FOR PROVIDING, INSTALLING, AND MAINTAINING THE TRANSFORMER PAD/VAULT, ALL SERVICE LATERAL (480V) CABLE AND CONDUIT, THE SERVICE ENTRANCE EQUIPMENT INCLUDING THE CT/METER CABINET AND ALL BANKED METER SOCKETS.
- THE DEVELOPER SHALL COORDINATE SITE CONSTRUCTION WITH DPU-E TO ALLOW ELECTRIC FACILITIES TO BE INSTALLED PRIOR TO PAVING AND CURBING. DPU-E REQUIRES 30 WORKING DAYS ADVANCE WRITTEN NOTICE PRIOR TO PAVEMENT INSTALLATION TO ALLOW FOR THE INSTALLATION OF ELECTRIC FACILITIES. GRADE ELEVATION MUST BE WITHIN 4" OF FINAL GRADING BEFORE ELECTRIC FACILITIES CAN BE INSTALLED.
- ELECTRIC FACILITIES SHALL BE INSTALLED PURSUANT TO SECTION 8-1C-3 OF THE CITY OF NAPERVILLE MUNICIPAL CODE, WHICH REQUIRES A CONSTRUCTION FEE PAYMENT FOR INSTALLATION OF ELECTRIC FACILITIES.
- AT ALL TIMES, THE CUSTOMER SHALL BE SOLELY RESPONSIBLE FOR MAINTAINING A SUITABLE APPROACH TO THE METER LOCATION, WITH NO OBSTRUCTIONS WITHIN FOUR (45#32) FEET OF THE FRONT AND TWO (25#32) FEET OF THE SIDES OF THE METER. PER NAPERVILLE SERVICE RULES AND POLICIES 22.2-F.
- CLEARANCE TO TRANSFORMER PAD SHALL BE 55#32 FROM ALL SIDES, 105#32 FROM FRONT, AND THE AREA ABOVE MUST BE COMPLETELY CLEAR OF OBSTRUCTION. NO TREES, SHRUBS, OR OTHER OBSTACLES WILL BE ALLOWED WITHIN THIS AREA. TRANSFORMER PAD SHALL MAINTAIN MINIMUM CLEARANCE OF 205#32 FROM EGRESS POINTS. PER DPU-E SPECIFICATIONS C10-2130 AND C30-0016.
- TO HAVE AN EXISTING SERVICE DISCONNECT CALL THE CITY DISPATCH OFFICE AT 630-420-6187. PLEASE ALLOW AT LEAST 24 HOURS NOTICE. METERS AND METER SEALS ARE TO BE REMOVED ONLY BY DPU-E PERSONNEL. THE LOCATION AND TYPE OF NEW OR REPLACEMENT METER RELATED EQUIPMENT MUST BE PRE-APPROVED IN WRITING BY DPU-E. AN ELECTRICAL SERVICE MUST BE INSPECTED BY THE DEVELOPMENT SERVICES TEAM ELECTRICAL INSPECTOR PRIOR TO CONNECTION.
- LABEL ALL METER SOCKETS WITH THE COMPLETE ADDRESS IN 1" LETTERS USING PERMANENT STICKERS. IN MULTIPLE METER BANKS, THE COMPLETE ADDRESS MAY BE ON THE DISCONNECT SWITCH AND THE SUITE NUMBERS ON THE METER SOCKETS. THE ELECTRICAL SERVICE EQUIPMENT WILL NOT PASS INSPECTION WITHOUT APPROPRIATE ADDRESS LABELING.
- APPROVAL OF METERING EQUIPMENT BY DPU-E DOES NOT REMOVE YOUR RESPONSIBILITY TO COMPLY WITH THE LATEST VERSION OF THE NATIONAL ELECTRICAL CODE AS ADOPTED BY THE CITY OF NAPERVILLE. DETERMINATION OF COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE WILL BE MADE BY THE TRANSPORTATION, ENGINEERING AND DEVELOPMENT DEPARTMENT.
- A CUSTOMER'S GROUNDING CONDUCTOR SHALL NOT BE CONNECTED TO DPU-E DISTRIBUTION EQUIPMENT.
- DPU-E WILL INSTALL AND ENERGIZE ALL METERS IN A MULTIPLE METER BANK AT ONE TIME, PROVIDED ALL METER SOCKETS PASS INSPECTION. IN THE EVENT OF AN INCOMPLETE INSTALLATION, ONLY THE INSPECTED AND APPROVED EQUIPMENT SHALL BE ENERGIZED AND A METER INSTALLED. INDIVIDUAL TENANT PERMITS WILL BE REQUIRED FOR INSTALLATION OF THE OTHER METERS IN THE METER BANK.

ORDINANCE NO. 26-010, ARTICLE E

- SECTION 717.3 PRE-INSTALLATION REQUIREMENTS: PRIOR TO COMMENCEMENT OF THE RELINING INSTALLATION, THE EXISTING PIPING SECTIONS TO BE RELINED SHALL BE DESCALED AND CLEANED AS PER THE LINING MANUFACTURER'S REQUIREMENTS. AFTER THE CLEANING PROCESS HAS OCCURRED AND WATER HAS BEEN FLUSHED THROUGH THE SYSTEM, THE PIPING SHALL BE INSPECTED INTERNALLY BY A RECORDED VIDEO CAMERA SURVEY. THE CODE OFFICIAL IS TO BE NOTIFIED BEFORE DESCALING AND CLEANING OCCUR AND IS REQUIRED TO BE ON SITE FOR INTERNAL RECORDED VIDEO CAMERA SURVEY.
- SECTION 717.3.1 PRE-INSTALLATION RECORDED VIDEO CAMERA SURVEY: THE VIDEO SURVEY SHALL INCLUDE VERIFICATION OF THE PROJECT ADDRESS LOCATION. THE VIDEO SHALL INCLUDE NOTATIONS OF THE CLEANOUT OR ALL OTHER ACCESS POINTS, DEFECTS, PIPE MATERIAL, AND SIZE CHANGES, FITTING LOCATIONS AND THE APPROXIMATE DEPTH OF THE EXISTING PIPING. THE VIDEO SHALL ALSO INCLUDE NOTATIONS OF THE LENGTH OF PIPING AT INTERVALS NOT GREATER THAN 25 FEET. A SURVEY REPORT BASED ON THE FINDINGS FROM THE VIDEO SURVEY IS TO BE GENERATED INCLUDING THE ALL NOTATION CALLED OUT IN THE VIDEO AS WELL AS A NOTATION DETAILING THE PROPOSED LENGTH AND LOCATION OF THE LINER TO BE INSTALLED.
- SECTION 717.4 PERMITTING: PRIOR TO PERMIT ISSUANCE, THE CODE OFFICIAL SHALL REVIEW AND EVALUATE THE PRE-INSTALLATION RECORDED VIDEO CAMERA SURVEY, SURVEY REPORT, AND ADDITIONAL SUBMITTALS INCLUDING PROPOSED PRODUCT SUBMITTALS, PRODUCT SAMPLES, AND LINER THICKNESS TO DETERMINE IS THE PIPING SYSTEM IS ABLE TO BE RELINED IN ACCORDANCE WITH THE PROPOSED LINING SYSTEM MANUFACTURER'S INSTALLATION REQUIREMENTS AND APPLICABLE REFERENCED NASSCO AND ASTM STANDARDS.
- SECTION 717.4 PERMITTING: THE INSTALLER SHALL RECORD THE DATA AS REQUIRED BY THE RELINING MATERIAL MANUFACTURER AND APPLICABLE STANDARDS. THE RECORDED DATA SHALL INCLUDE BUT IS NOT LIMITED TO THE LOCATION OF THE PROJECT, RELINING MATERIAL TYPE, AMOUNT OF PRODUCT INSTALLED AND CONDITIONS OF THE INSTALLATION. A COPY OF THE DATA REPORT AND CURING SHEETS SHALL BE PROVIDED TO THE CODE OFFICIAL PRIOR TO FINAL APPROVAL.
- SECTION 717.8 POST INSTALLATION RECORDED VIDEO CAMERA SURVEY: THE COMPLETED RELINED PIPING SYSTEM SHALL BE INSPECTED INTERNALLY BY A RECORDED VIDEO CAMERA SURVEY AFTER THE SYSTEM HAS BEEN FLUSHED AND FLOW-TESTED WITH WATER. THE VIDEO SURVEY AND SURVEY REPORT GENERATED FROM THE VIDEO SHALL BE SUBMITTED TO THE CODE OFFICIAL PRIOR TO FINALIZATION OF THE PERMIT. THE VIDEO SURVEY SHALL BE REVIEWED AND EVALUATED TO PROVIDE VERIFICATION THAT NO DEFECTS EXIST. ANY DEFECTS IDENTIFIED SHALL BE REPAIRED AND REPLACED IN ACCORDANCE WITH THIS CODE.



UNDERGROUND UTILITY GENERAL NOTES

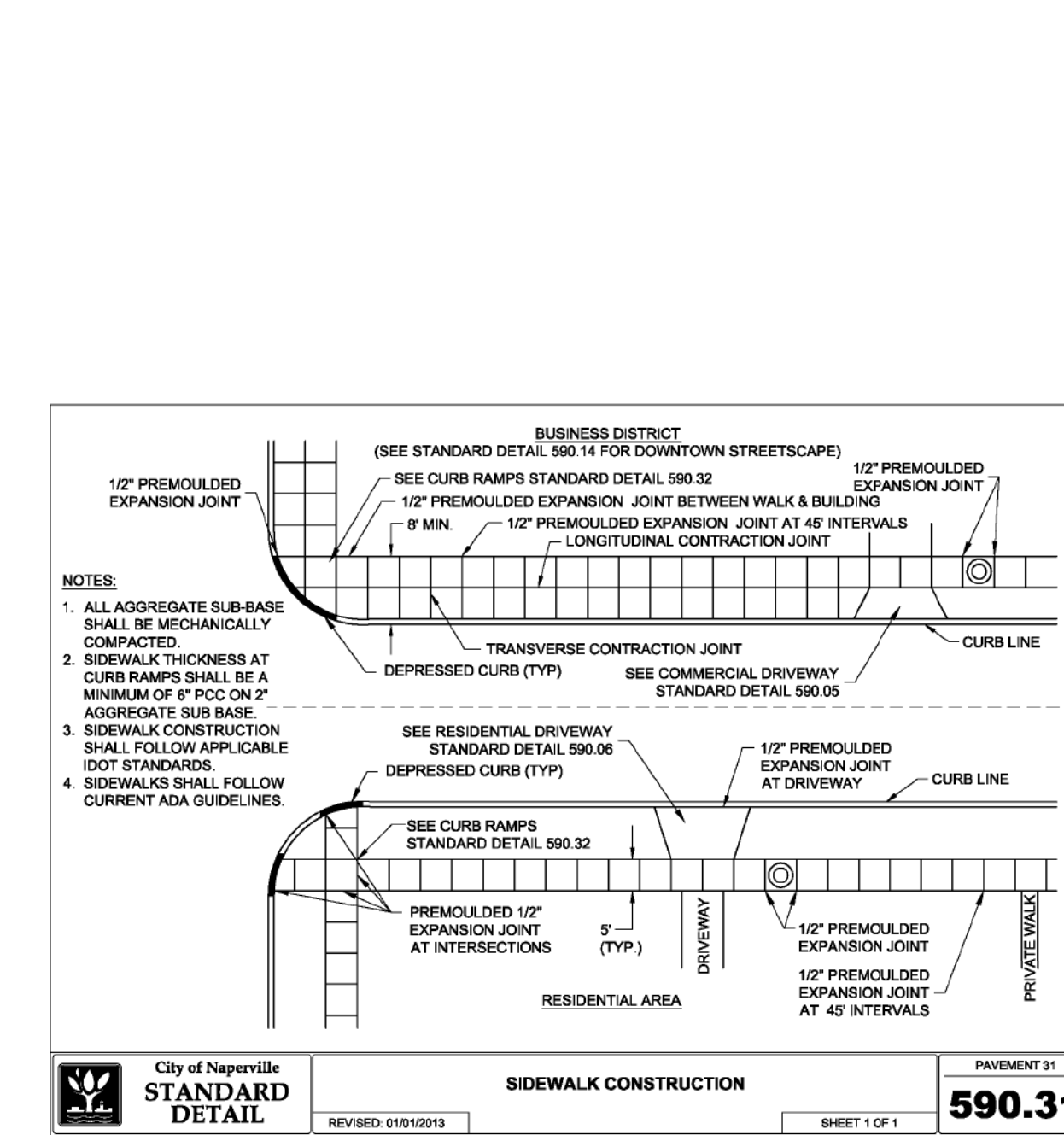
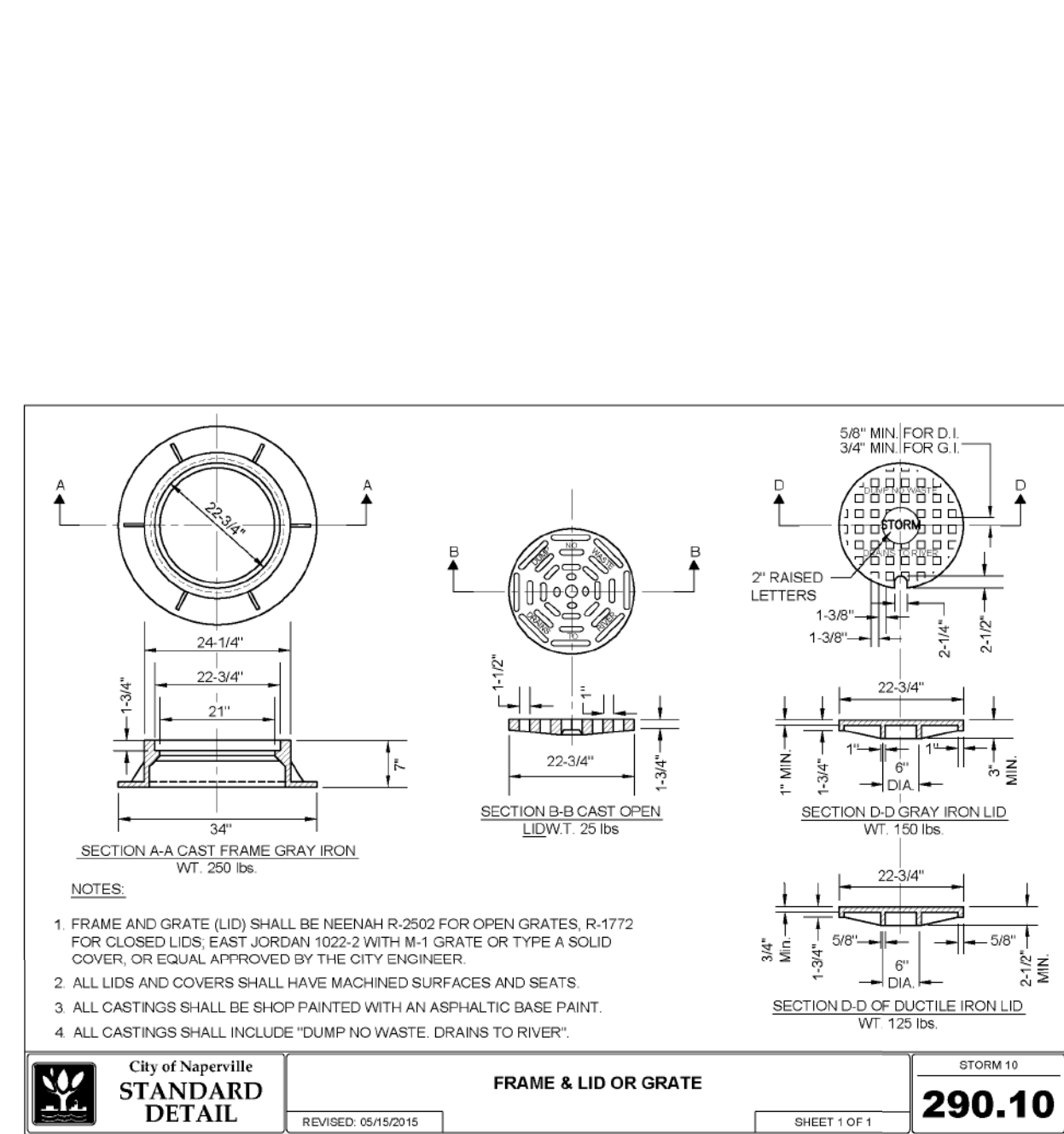
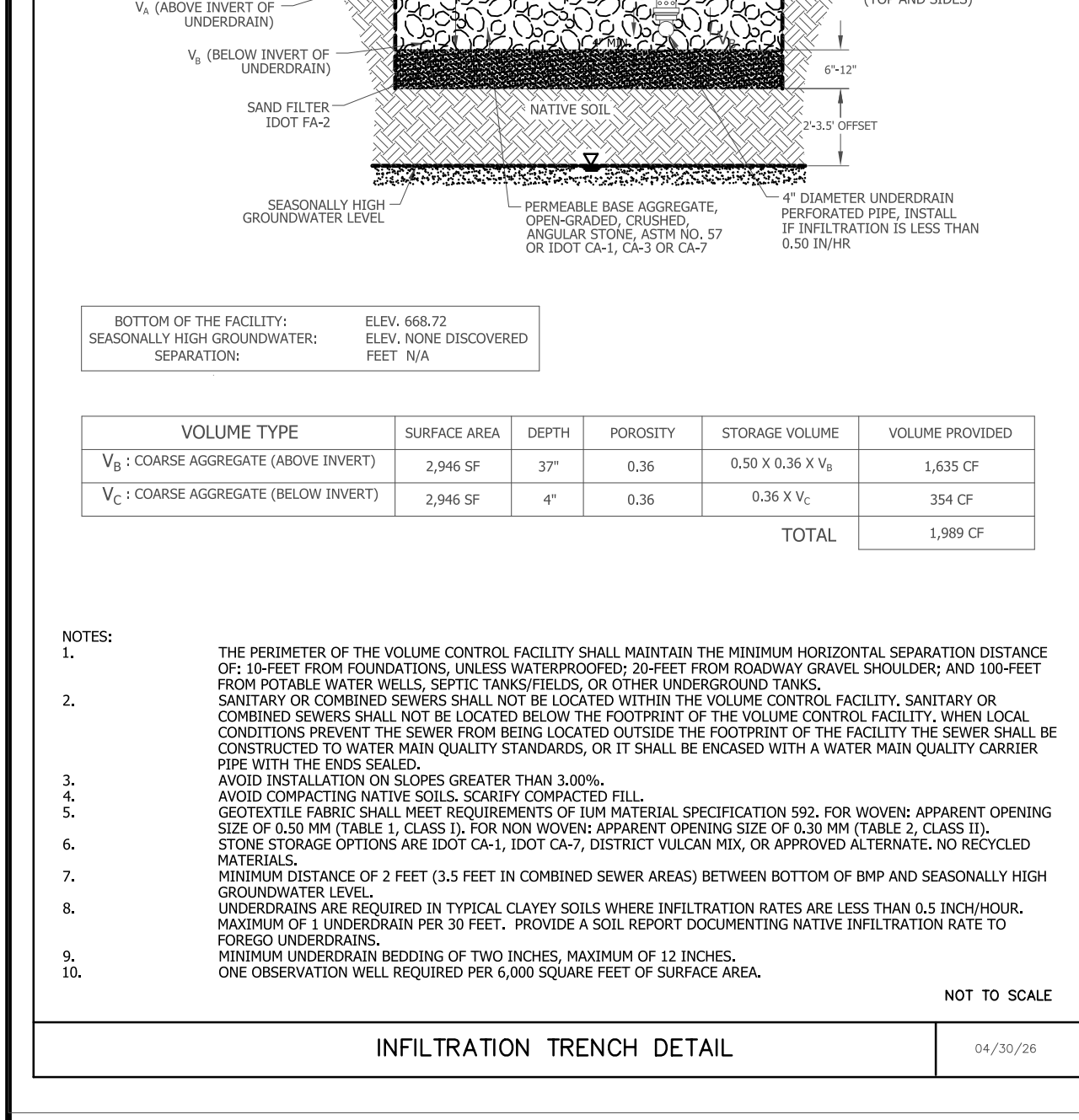
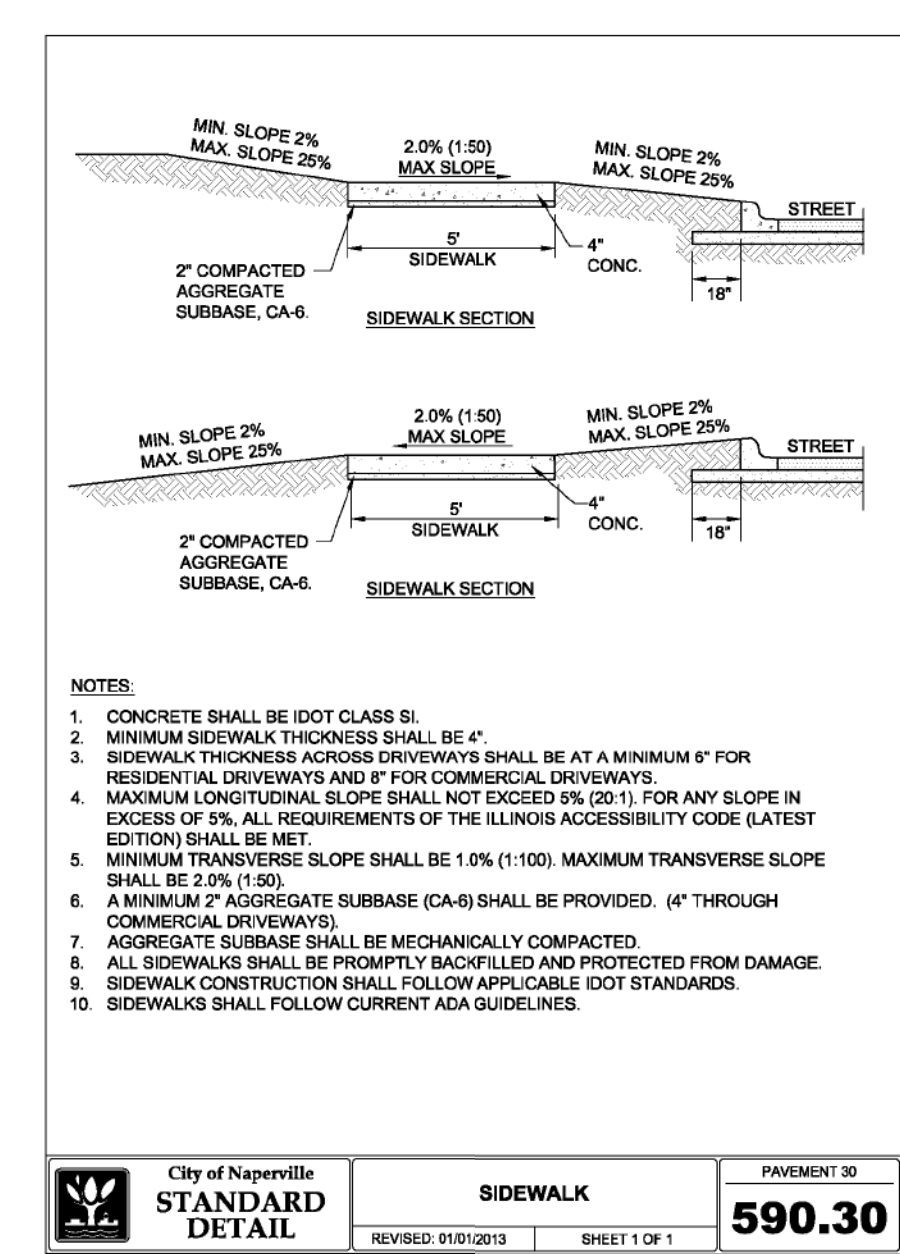
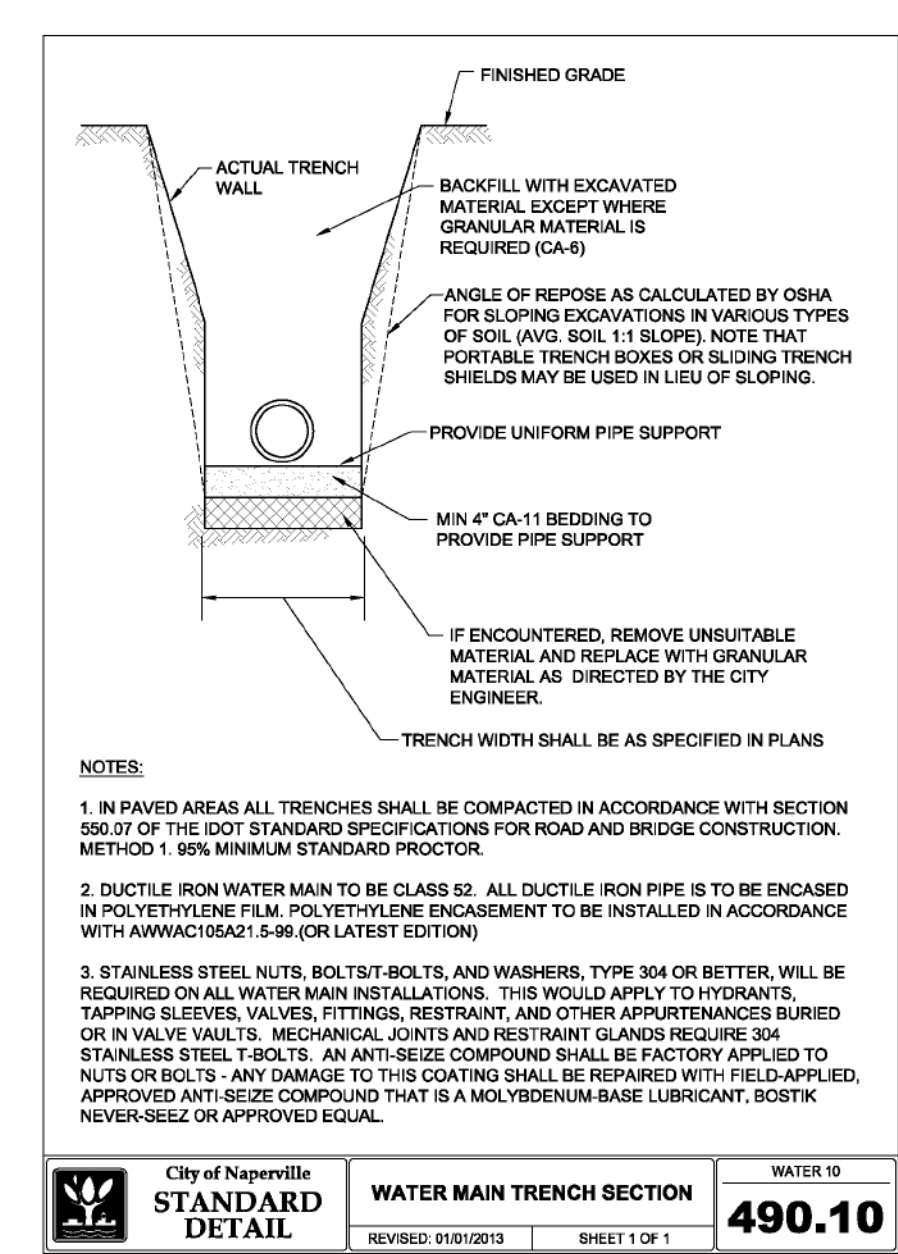
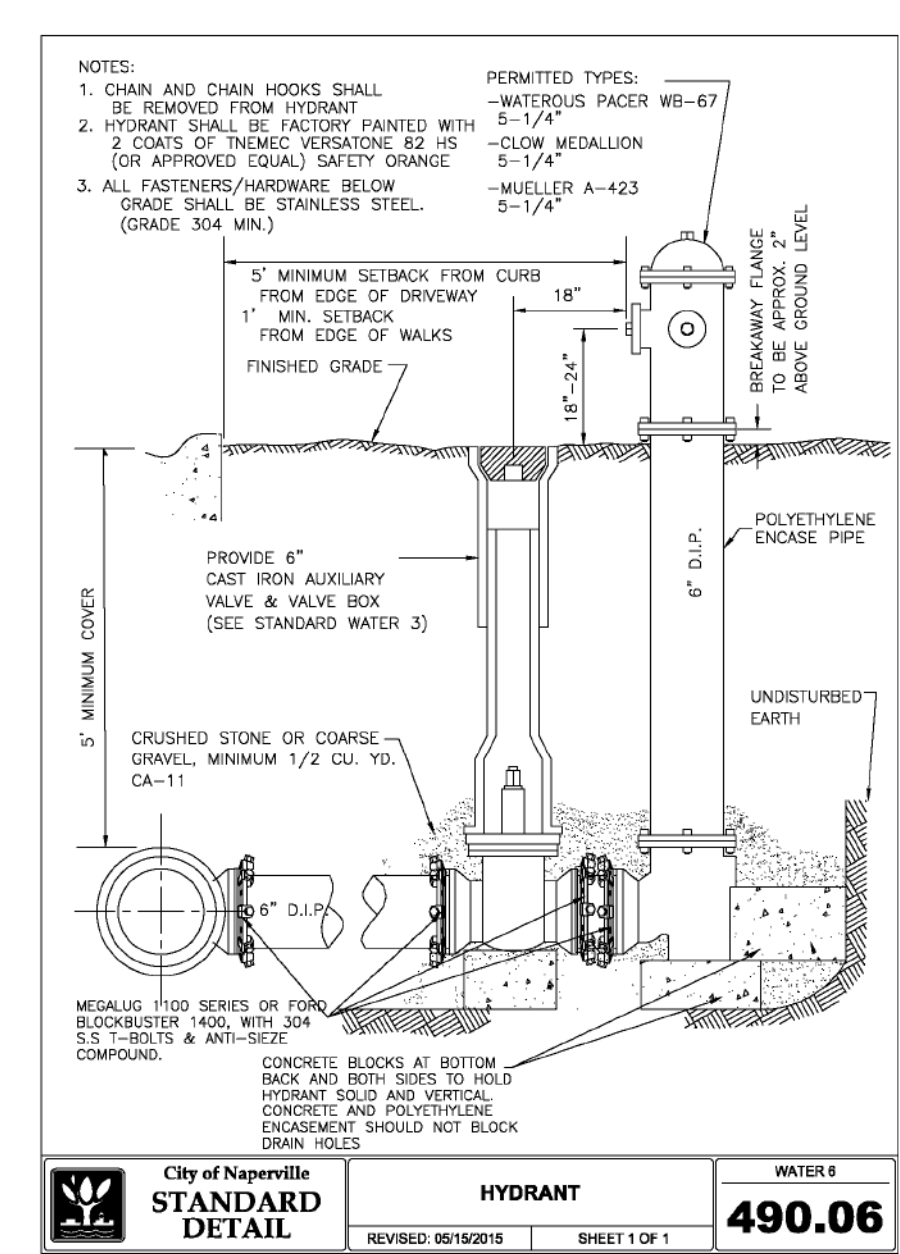
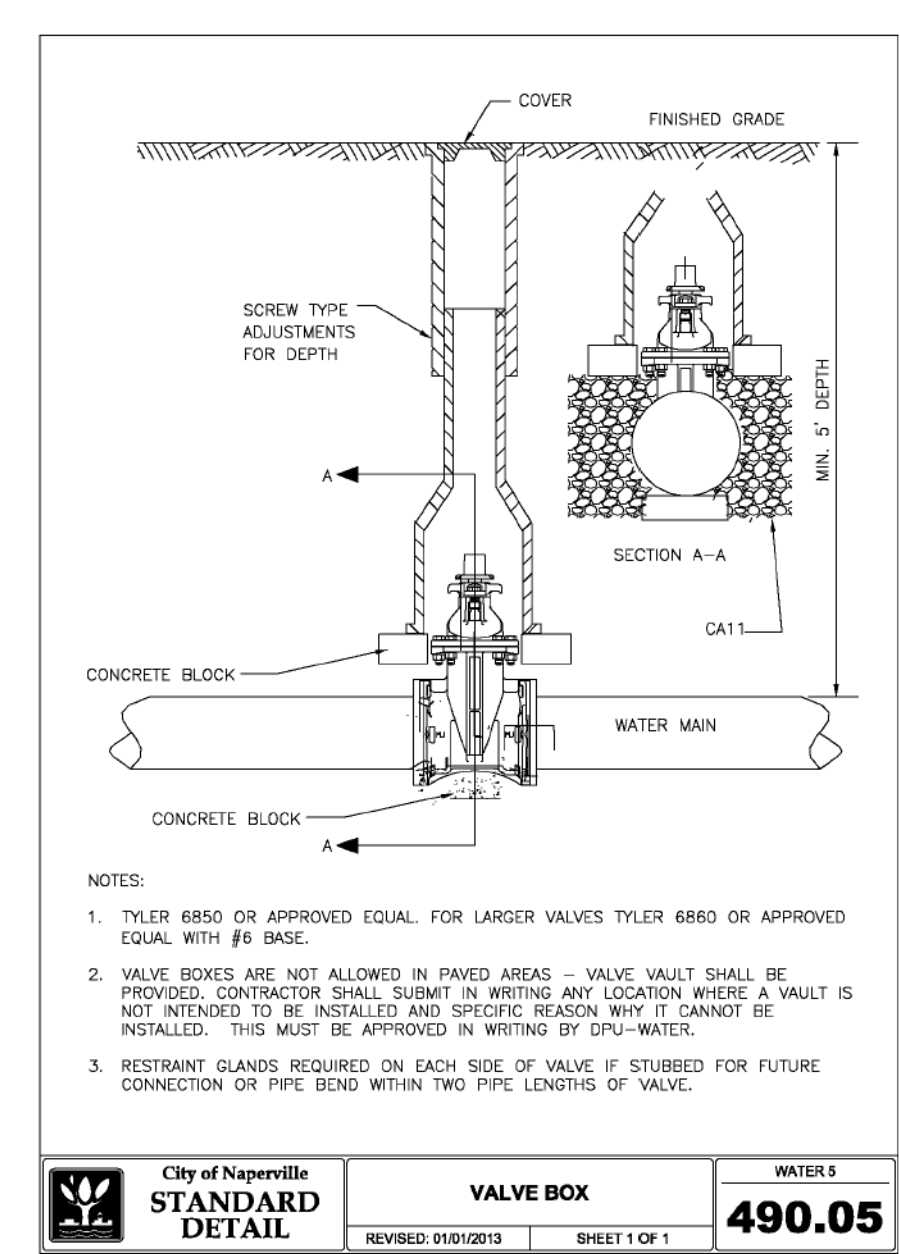
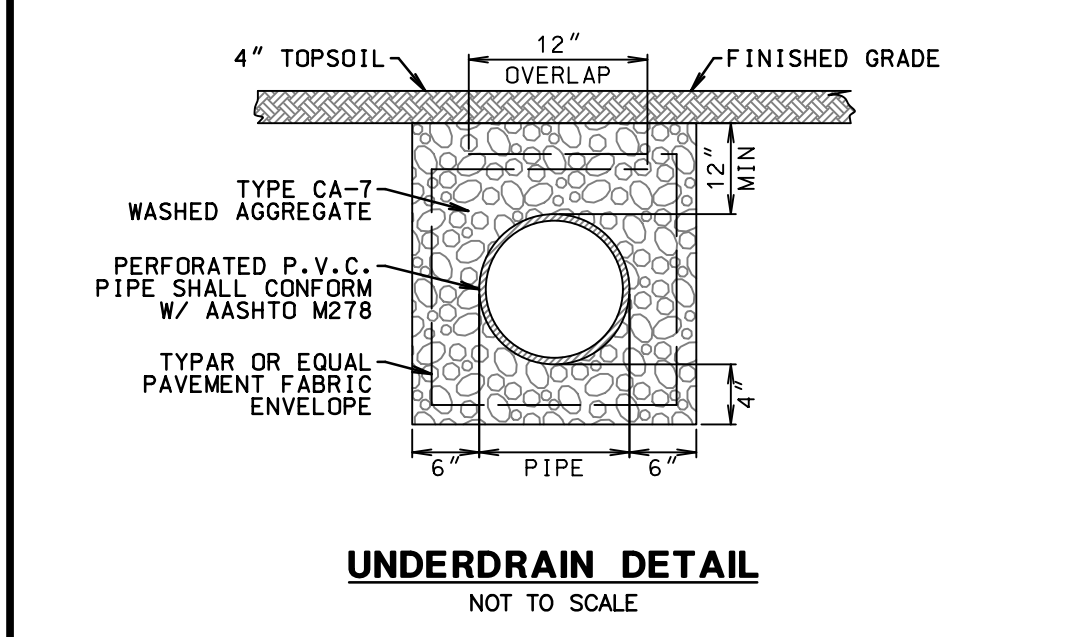
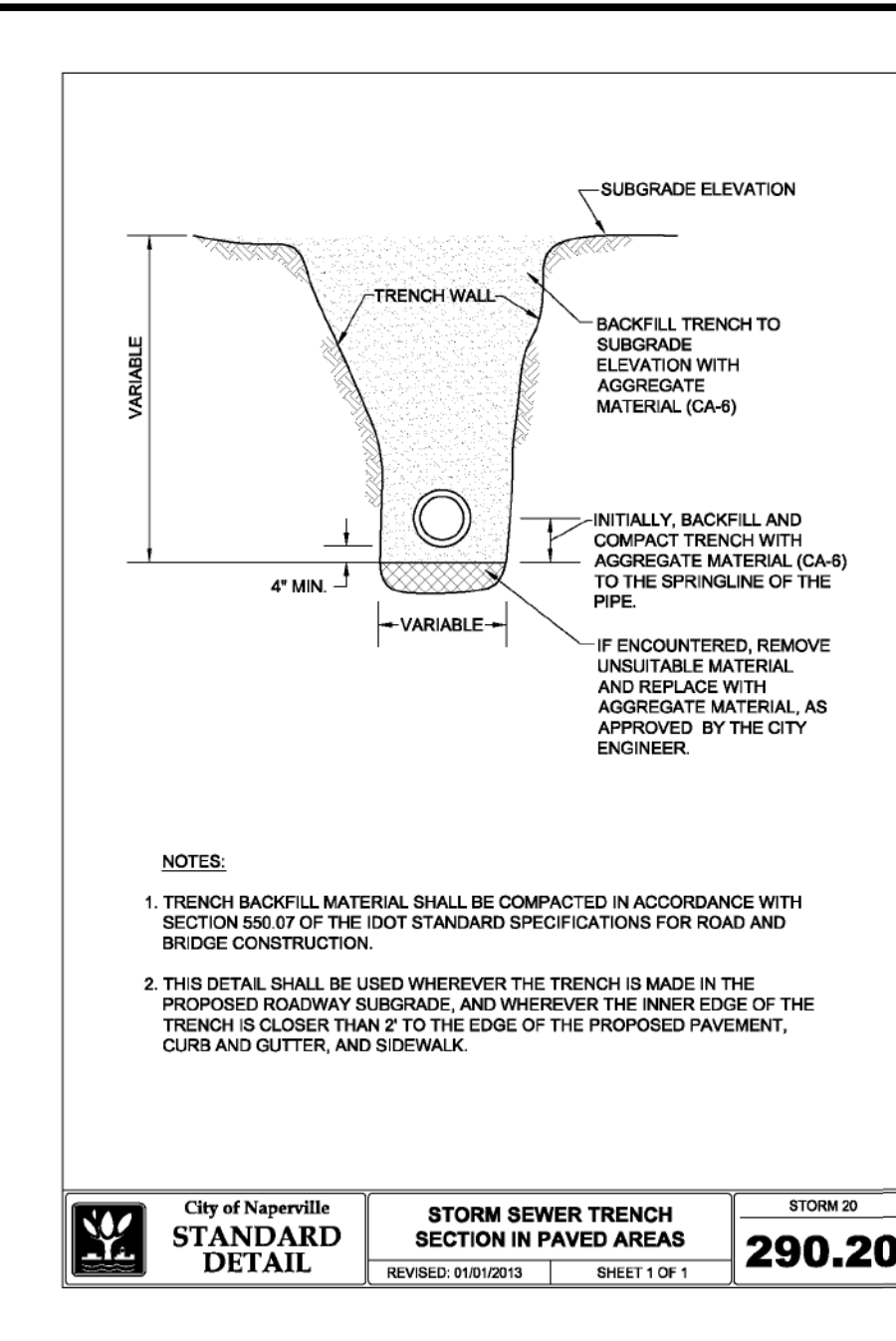
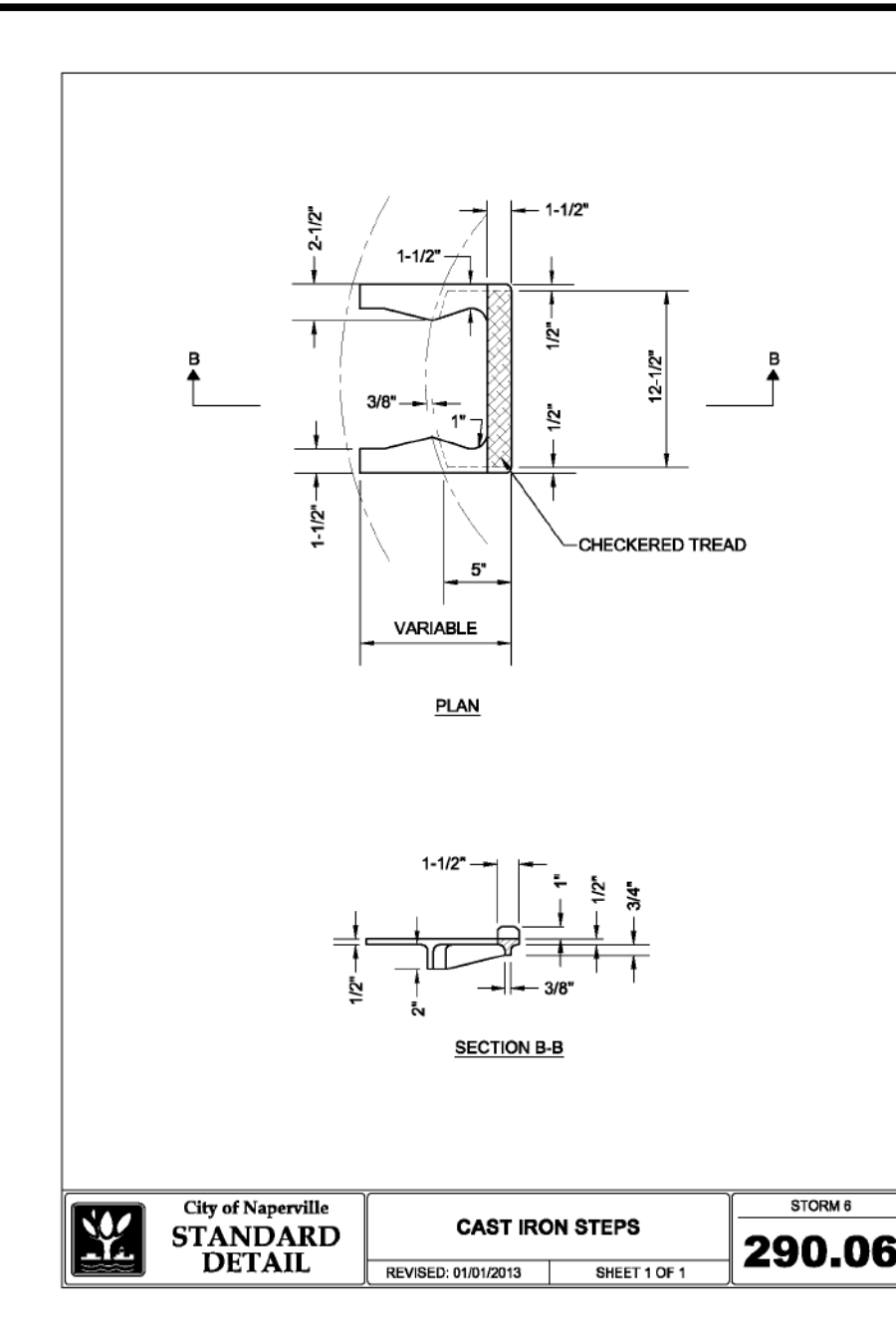
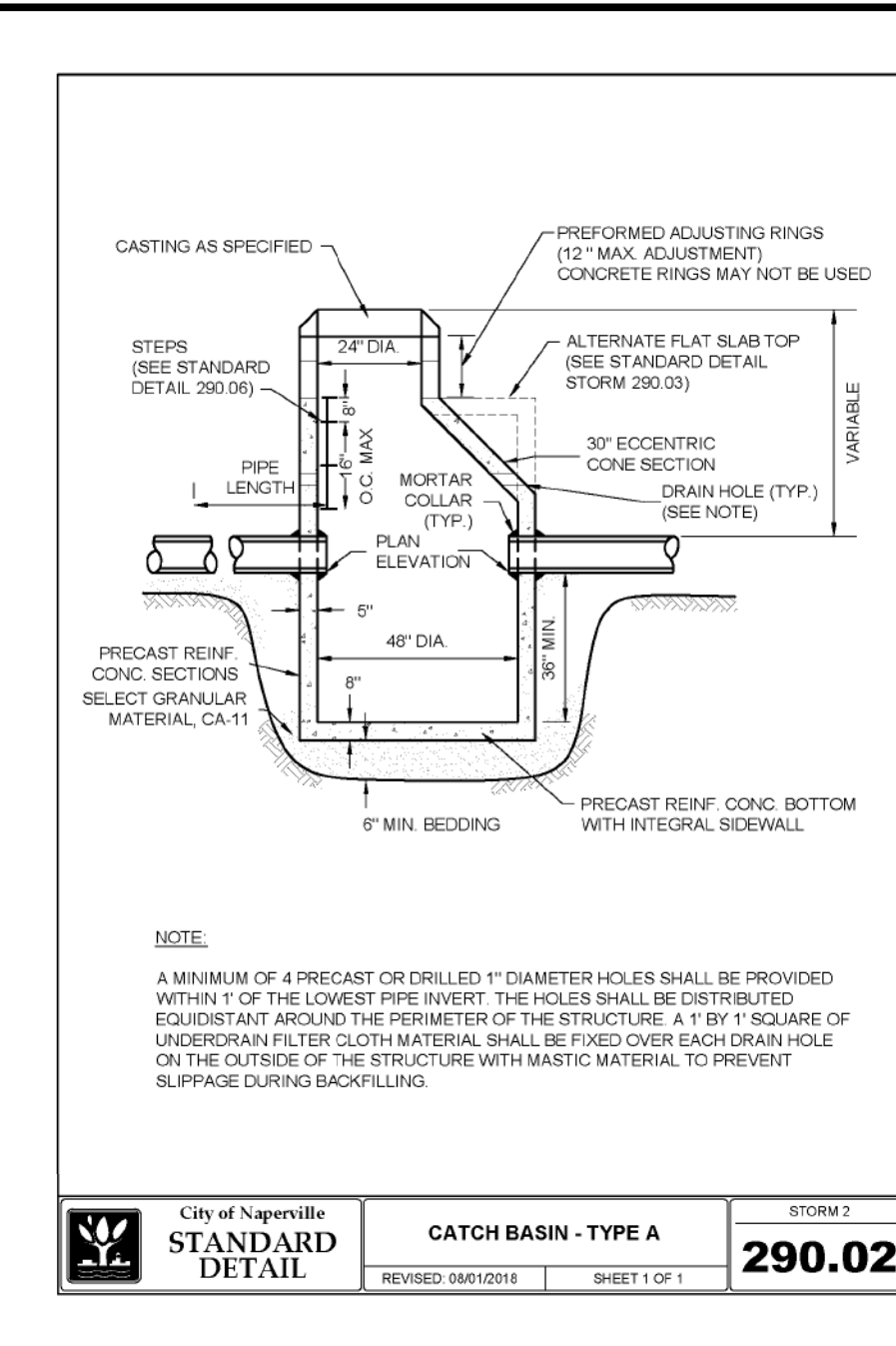
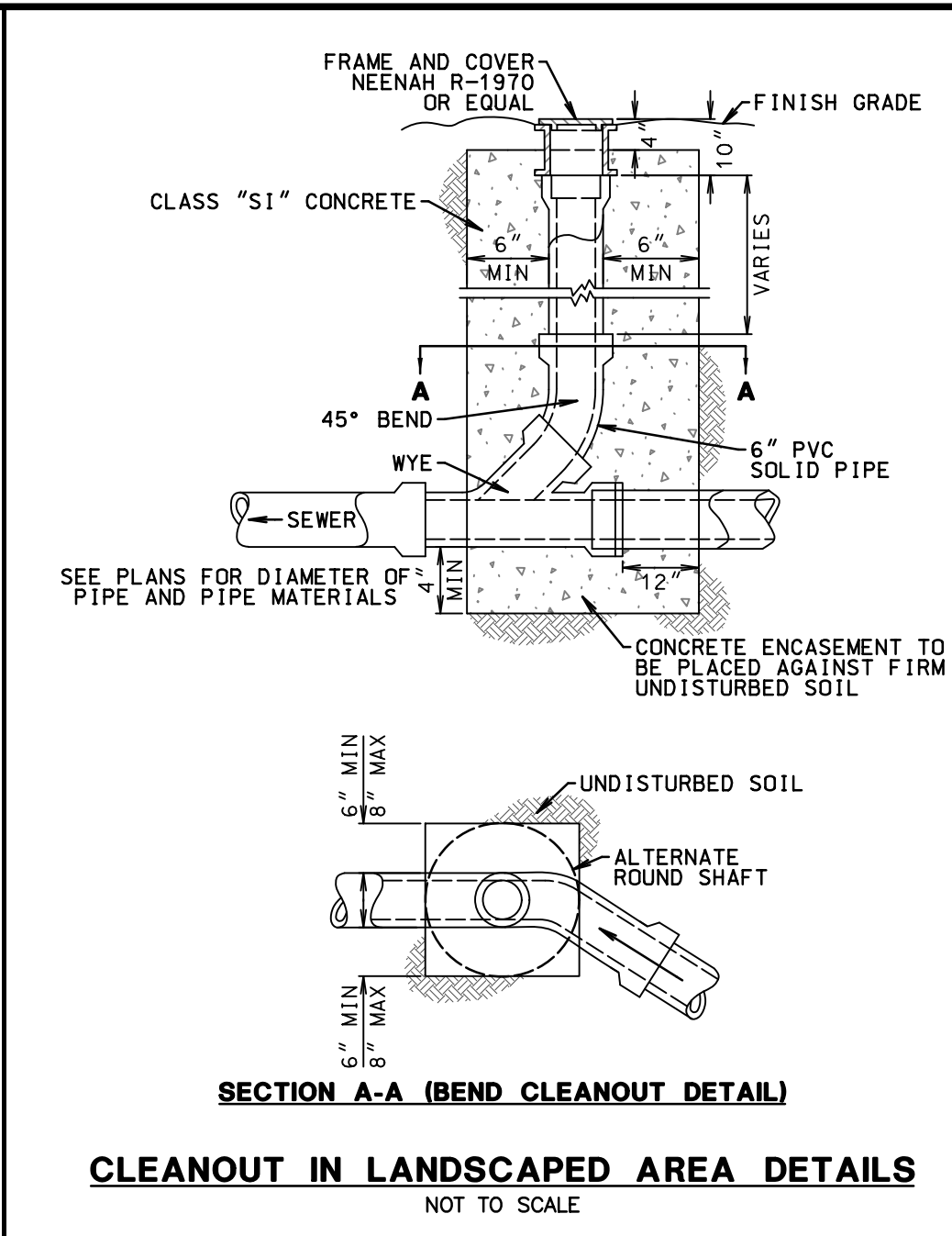
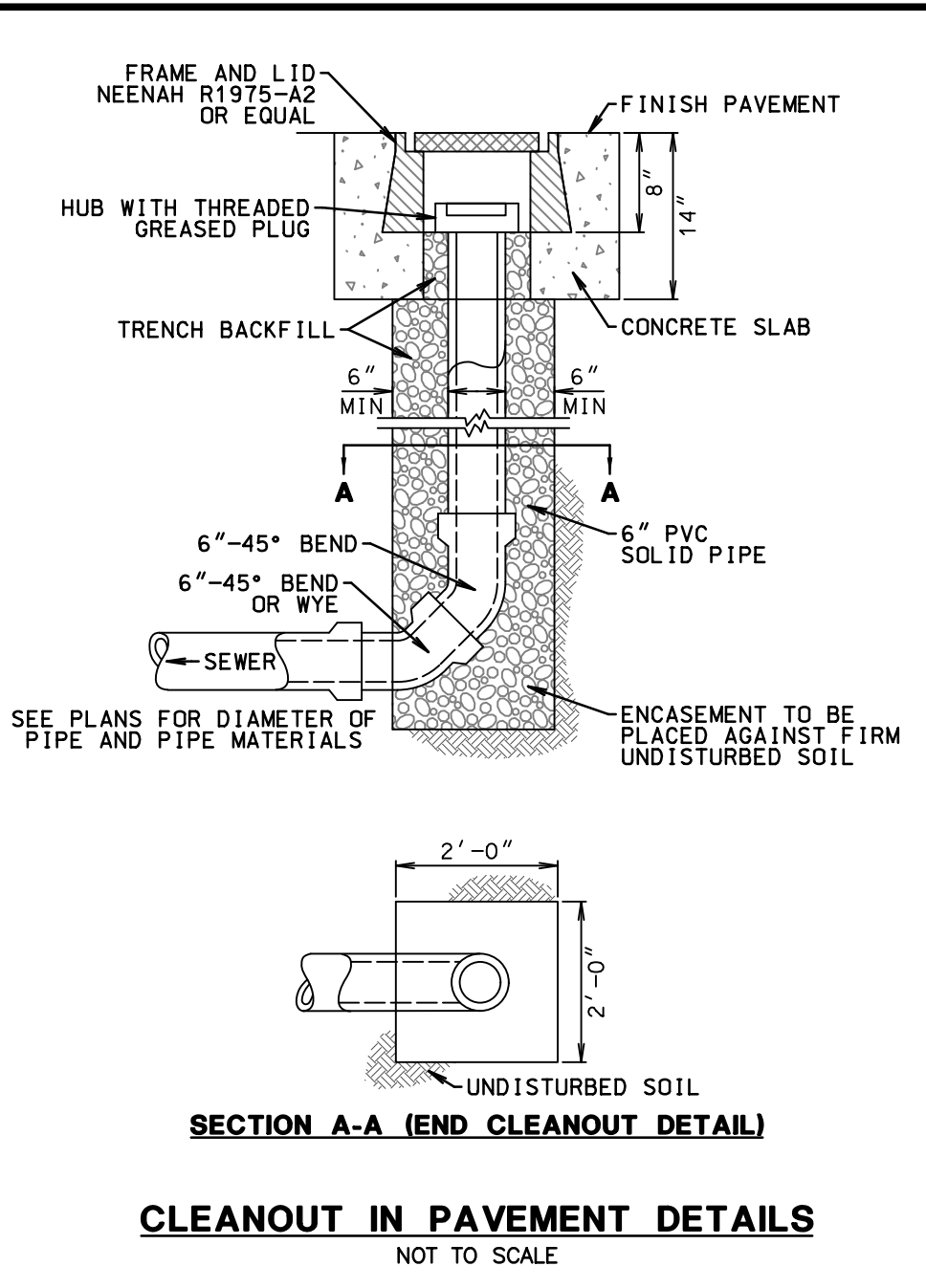
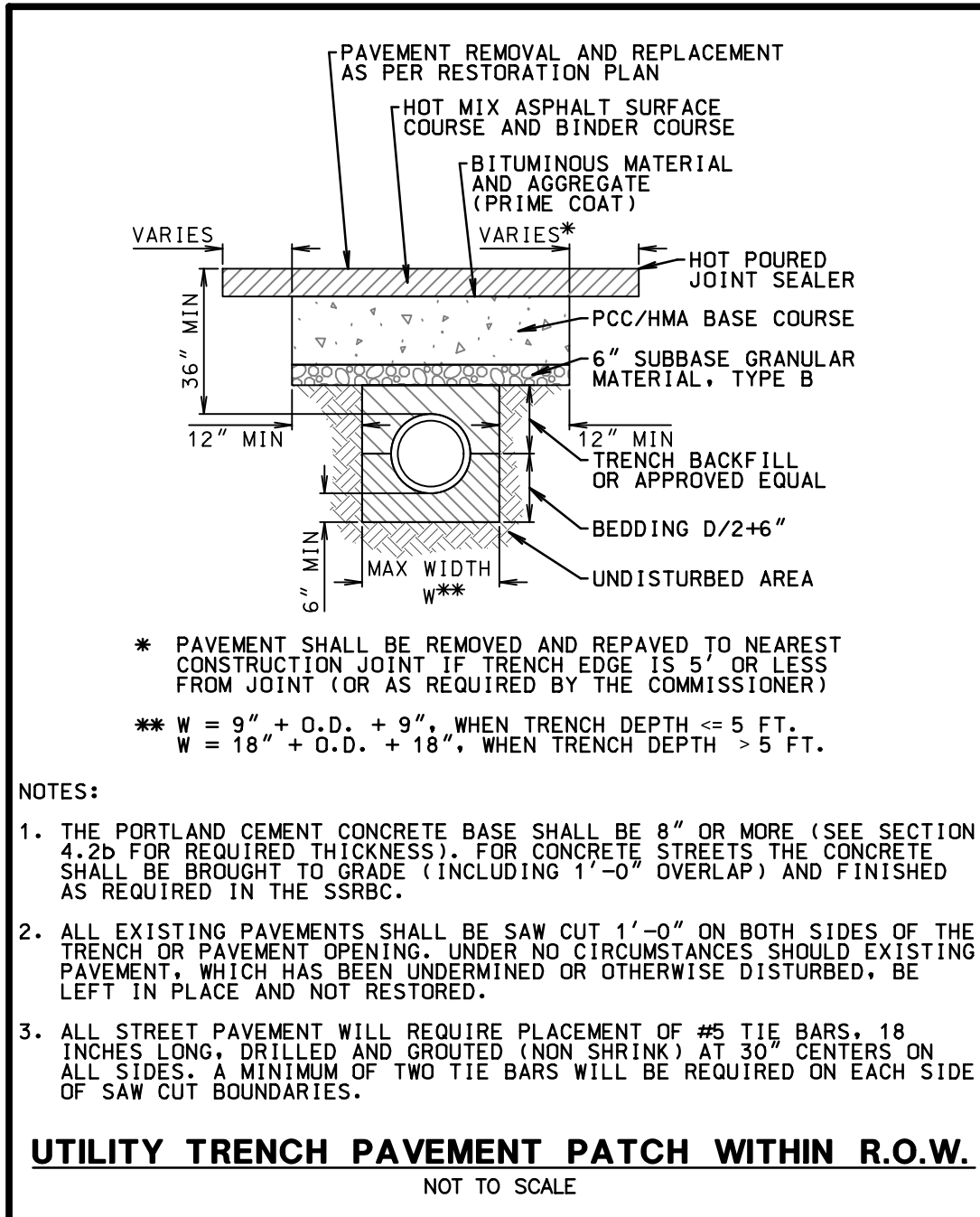
- ALL MANHOLES AND CATCH BASINS SHALL BE 48-INCH DIAMETER, UNLESS OTHERWISE INDICATED.
- THE CIPP LATERAL SANITARY LINING MUST MEET THE REQUIREMENTS OF ASTM F-2561-20 AND F-3240-17 AS MANUFACTURED BY LMK TECHNOLOGIES OR APPROVED EQUAL.
- ALL WATER MAIN SHALL BE POLYVINYL CHLORIDE PIPE, SDR 25, PRESSURE CLASS 165 PSI, AWWA, C-900 OR DUCTILE IRON PIPE, CLASS 52, AWWA C-600 WITH PUSH-ON TYPE JOINTS, UNLESS OTHERWISE INDICATED. ALL WATER MAIN SHALL HAVE A MINIMUM OF 5'-6" OF COVER FROM TOP OF WATERMAIN TO FINISHED GRADE.
- GRANULAR TRENCH BACKFILL (CA-6) SHALL BE PROVIDED FOR ALL SANITARY, WATER AND STORM UTILITIES WHEN THE TRENCH LIMITS FALL WITHIN TWO FEET OF STREETS, SIDEWALKS, PAVEMENT AND AS NOTED.
- ALL SUMP PUMPS MUST BE CONNECTED TO THE STORM SEWER SYSTEM. SUMP PUMP CONNECTIONS SHALL BE 4" PVC, UNLESS OTHERWISE NOTED.
- ALL WATERMAIN AND WATER SERVICE LINES SHALL BE PROTECTED FROM OTHER UTILITIES IN ACCORDANCE WITH SECTION 41-2.01 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS.
- ALL UNDERGROUND UTILITY INFORMATION NOTED ON THE PLANS IS BASED ON INFORMATION OBTAINED FROM THE MUNICIPALITY, UTILITY COMPANIES OR FIELD MEASUREMENTS. THIS INFORMATION, WHILE BELIEVED TO BE COMPLETE AND ACCURATE, CANNOT BE GUARANTEED.
- CONTRACTOR SHALL VERIFY ALL BUILDING SERVICE LOCATIONS AND SIZES WITH ARCHITECTURAL PLANS PRIOR TO START OF CONSTRUCTION AND NOTIFY THE ENGINEER OR OWNER OF ANY DISCREPANCIES.
- CONTRACTOR TO VERIFY CANOPY AND ROOF DRAIN CONNECTION LOCATIONS AND SIZES WITH ARCHITECTURAL PLANS BEFORE CONSTRUCTION.
- LOCATION OF ALL BUILDING SIAMSE CONNECTIONS TO BE APPROVED BY VILLAGE FIRE MARSHALL.
- CONTRACTOR SHALL CONTACT JULIE (1-800-892-0123) PRIOR TO START OF CONSTRUCTION TO LOCATE ALL UTILITIES WITHIN THE RIGHT-OF-WAY.
- CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES AT ALL PROPOSED CONNECTIONS PRIOR TO START OF CONSTRUCTION AND NOTIFY THE ENGINEER AND OWNER OF ANY DISCREPANCIES.
- A TEN (10) FOOT MINIMUM SEPARATION SHALL BE PROVIDED BETWEEN THE WATERMAIN SERVICE AND THE SANITARY OR STORM SEWER SERVICES.
- IN CASE OF CONFLICTS, THE MUNICIPALITY STANDARDS AND NOTES SHALL TAKE PRECEDENCE.
- PLUMBING CONTRACTOR TO MAKE ALL CONNECTIONS WITH BUILDING SERVICES CONSTRUCTED BY UTILITY CONTRACTOR. SITE UTILITY CONTRACTOR TO CONSTRUCT SERVICES TO WITHIN 5'-FEET OF BUILDING, EXCEPT WATER INTO BUILDING 1-FOOT ABOVE FLOOR WITH BLIND FLANGE AND PROVIDE TESTING.
- EXISTING PAVEMENT REMOVED FOR UTILITY CONSTRUCTION SHALL BE DONE BY THE RESPECTIVE UTILITY COMPANY AND PAID FOR SEPARATELY BY THE OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THIS WORK INCIDENTAL TO THE CONTRACT.
- EXISTING OR PROPOSED MANHOLES, CATCH BASINS, INLETS AND VALVE VAULTS REQUIRING OVER 12-INCHES OF ADJUSTMENT RINGS SHALL USE AN ADDITIONAL BARREL SECTION TO MAINTAIN A MAXIMUM OF 12-INCH TOTAL ADJUSTMENT RING DEPTH.
- REFER TO CITY OF NAPERVILLE DOWNTON STREETSCAPE IRRIGATION SPECIFICATIONS ON SHEET 11.

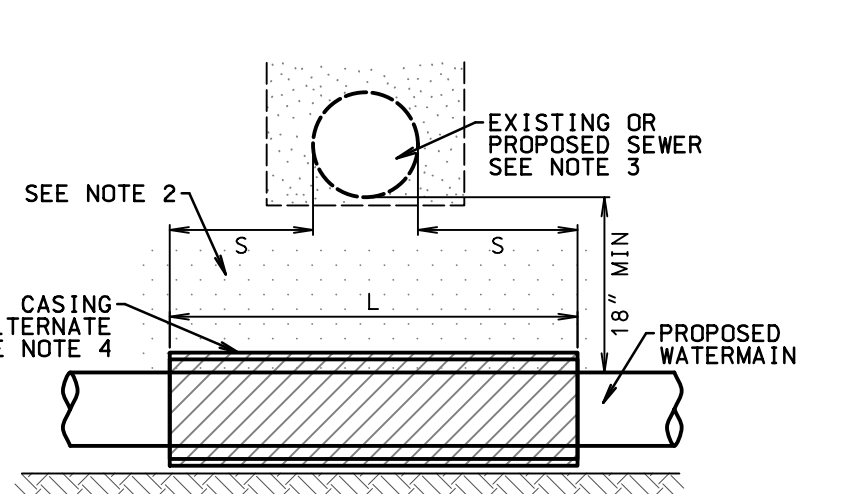
CROSSING	BTM OF PIPE	TOP OF PIPE	SEPARATION
C1	FO 679.52	WTR 677.02	2.50'
C2	WTR 676.84	SAN 671.41	5.34'

PROPOSED UTILITIES TO BE CONSTRUCTED TO PROVIDE A MINIMUM 18" OF SEPARATION BETWEEN WATER MAIN AND SANITARY SEWER OR STORM SEWER. EXISTING WATER MAIN TO BE FIELD LOCATED AND ELEVATION VERIFIED PRIOR TO START OF CONSTRUCTION.

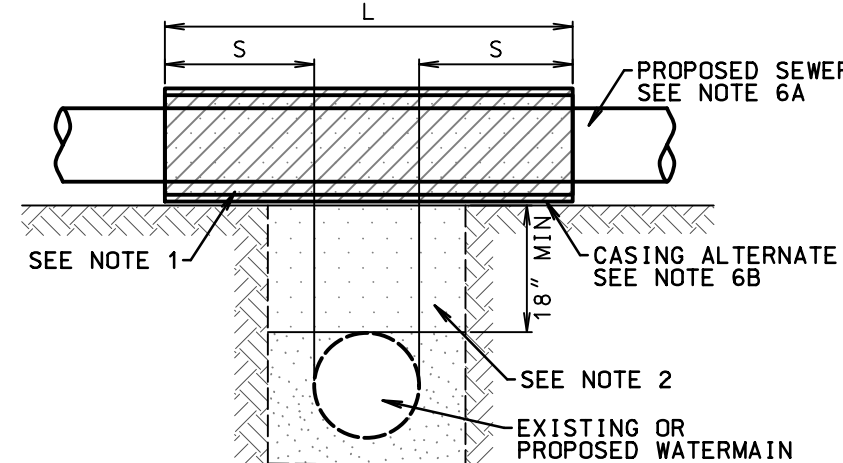
CLIENT:

		DESIGNED	ST
		DRAWN	JD
		APPROVED	ST
07/23/2026	REVISED PER CITY COMMENTS	DATE	04/30/2026
06/12/2026	REVISED PER CITY COMMENTS	BY	SCALE
DATE	DESCRIPTION OF REVISION		1" = 20'

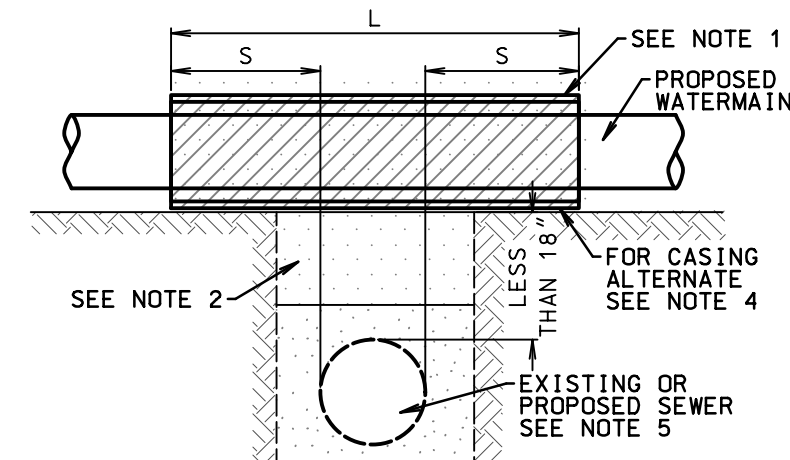




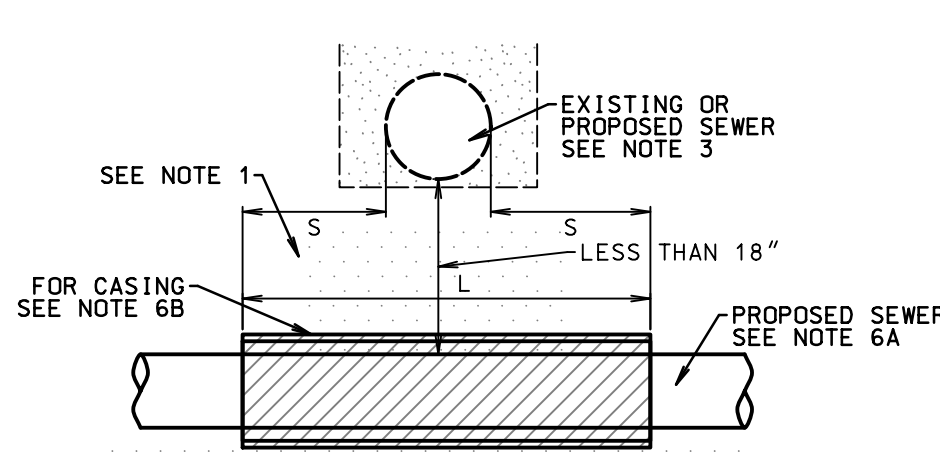
**WATERMAIN BELOW SEWER
WITH 18" MINIMUM CLEARANCE**



**PROPOSED SEWER ABOVE WATERMAIN
WITH 18" MINIMUM CLEARANCE**



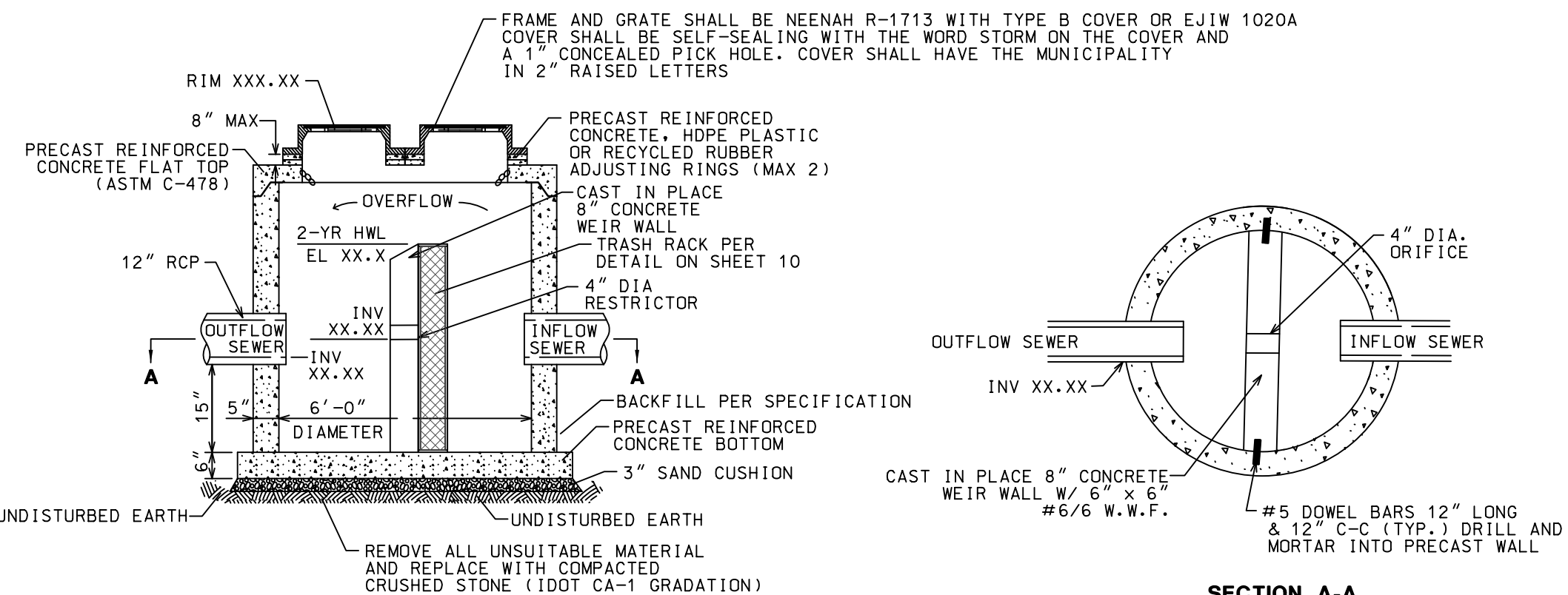
**PROPOSED WATERMAIN ABOVE EXISTING SEWER
WITH LESS THAN 18" CLEARANCE**



**PROPOSED SEWER BELOW WATERMAIN
WITH LESS THAN 18" CLEARANCE**

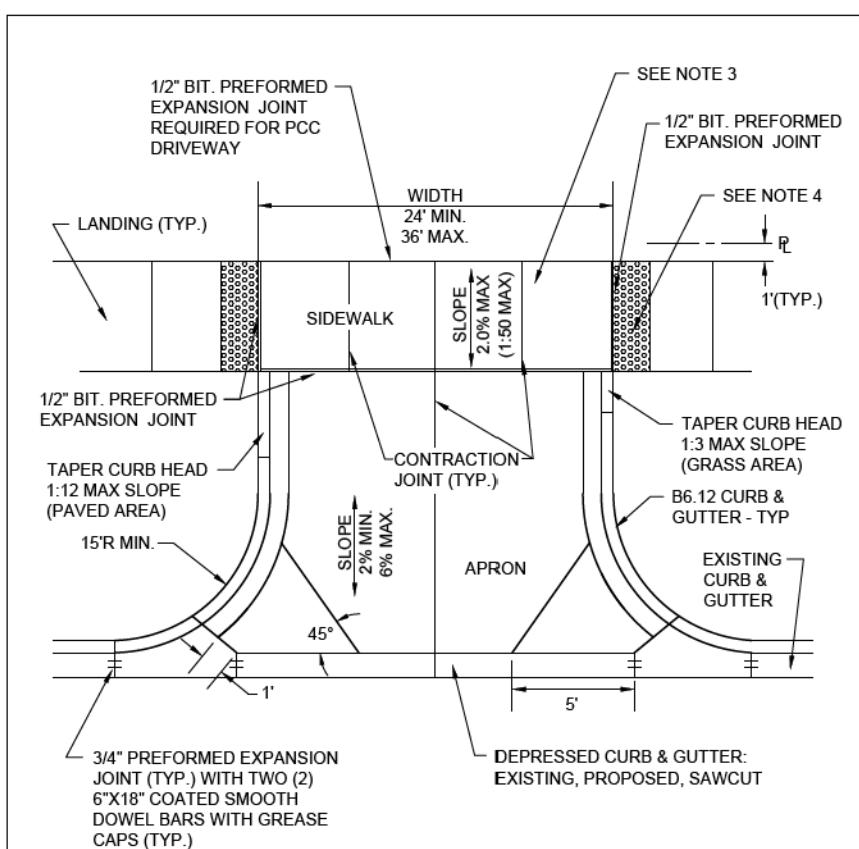
- S = MIN 10 FEET MEASURED PERPENDICULAR TO SEWER OR WATERMAIN
L = MIN 20 FEET PLUS OUTSIDE DIAMETER OF SEWER OR WATERMAIN
MEASURED PERPENDICULARLY
- NOTES:
1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATERMAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
 2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
 3. PROVIDED ADEQUATE SUPPORT FOR EXISTING SEWER OR WATERMAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF TRENCH.
 4. USE "L" FEET OF WATERMAIN MATERIAL FOR CASING OF PROPOSED WATERMAIN AND SEAL END OF CASING.
 5. POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATERMAIN CASING AND SEWER.
 6. a. CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATERMAIN MATERIAL AND PRESSURE TEST, OR:
b. USE "L" FEET OF WATERMAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.
 7. PLACEMENT OF WATERMAIN BELOW EXISTING OR PROPOSED SEWER WITH LESS THAN 18" CLEARANCE IS NOT ALLOWED.
 8. PROVIDE TRENCH COMPACTION IN ACCORD WITH SEC 20-2.208 OF STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION.

**WATERMAIN AND SEWER SEPARATION DETAILS
NOT TO SCALE**



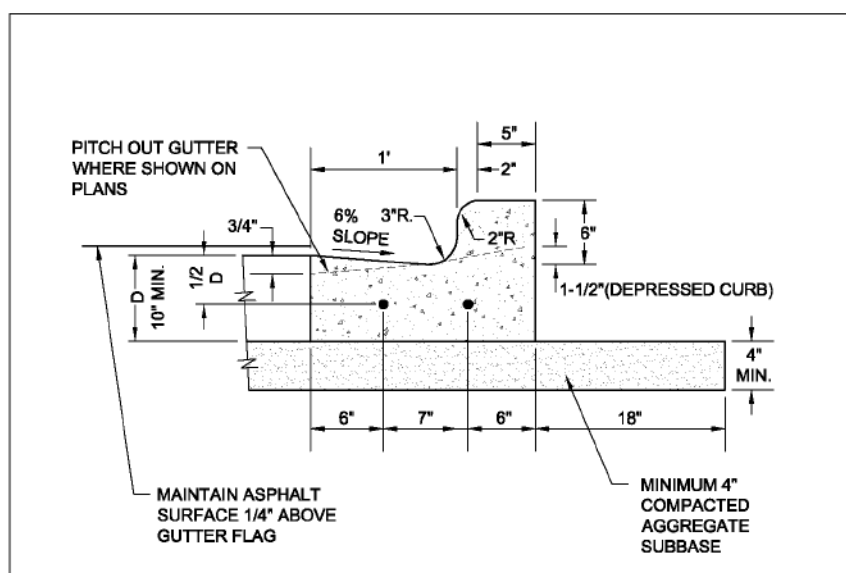
- NOTES:
1. PRECAST MANHOLES AND STRUCTURES SHALL CONFORM TO ASTM C478 AND THE DIMENSIONS SHOWN ON THE PLANS. PRECAST COMPONENTS SHALL BE SUBSTANTIALLY FREE FROM FRACTURES, LARGE OR DEEP CRACKS AND SURFACE ROUGHNESS CONFORMING TO THE QUALITY CRITERIA ESTABLISHED IN ASTM C478.
 2. PRECAST SECTIONS TO BE JOINED WITH TONGUE AND GROOVE JOINTS SEALED WITH A CONTINUOUS LAYER OF PREFORMED FLEXIBLE GASKETS, RUBBER GASKETS BUTYL ROPE OR OTHER EQUIVALENT BITUMINOUS MATERIAL PER THE STANDARD SPECIFICATIONS FOR SEWER AND WATER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION.
 3. STEPS SHALL BE NEENAH R-1980-J OR APPROVED EQUAL.
 4. FRAME TO BE SET TO FINISHED GRADE SHOWN ON PLANS OR GRADE ESTABLISHED BY ENGINEER. MANHOLE DIMENSIONS SHALL BE DETERMINED BASED ON ELEVATIONS PROVIDED ON PLANS.
 5. ALL LIFT HOLES SHALL BE FILLED WITH A PRECAST CONCRETE PLUG SEALED AND COVERED WITH MASTIC OR THOROUGHLY WETTED, FILLED WITH MORTAR, SMOOTHED AND POINTED INSIDE AND OUT.
 6. AGGREGATE BACKFILL (DOT CA-6, CA-7, CA-10 OR FA-10) SHALL BE PROVIDED AROUND STRUCTURE TO SUBGRADE ELEVATION WHEN STRUCTURE FALLS WITHIN 24-INCHES OF ALL PAVEMENTS, CURB AND GUTTER, DRIVEWAYS AND SIDEWALKS.

**OUTLET CONTROL STRUCTURE W/WEIR DETAIL
NOT TO SCALE**



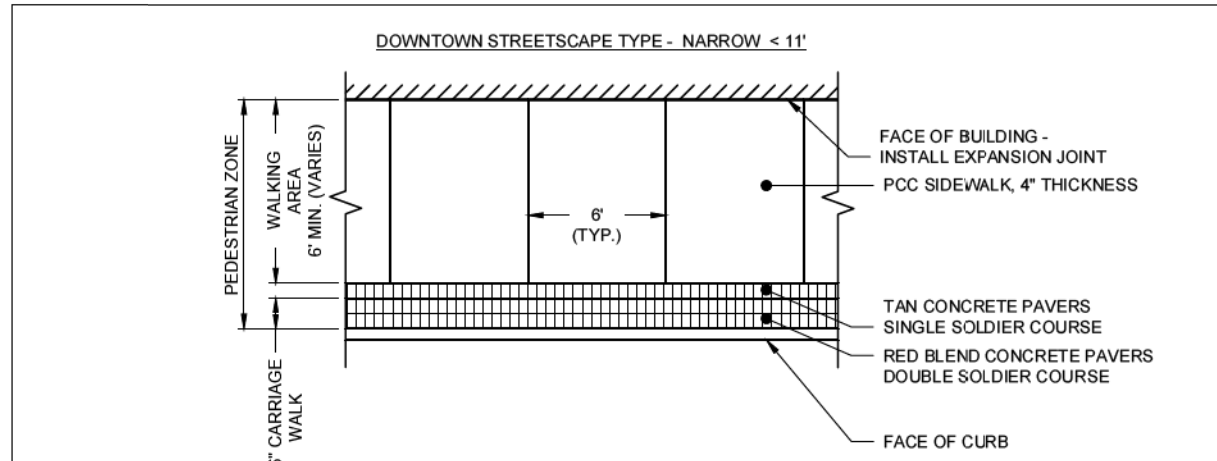
- NOTES:
1. ALL AGGREGATE SUB BASE SHALL BE MECHANICALLY COMPACTED.
 2. SIDEWALK SHALL CONTINUE THROUGH DRIVEWAYS.
 3. SIDEWALK THICKNESS ACROSS DRIVEWAYS SHALL BE A MINIMUM OF 8" PCC ON 4" AGGREGATE SUB BASE.
 4. EXPANSION JOINT MATERIAL MUST MATCH THE FULL DEPTH OF THE PAVEMENT.
 5. DETECTABLE WARNING SHALL ONLY BE INSTALLED AT DRIVEWAYS WITH PERMANENT TRAFFIC CONTROL DEVICES.
 6. SIDEWALK CONSTRUCTION SHALL FOLLOW APPLICABLE DOT STANDARDS.
 7. SIDEWALKS SHALL FOLLOW CURRENT ADA GUIDELINES.

**City of Naperville
STANDARD
DETAIL**
TYPICAL COMMERCIAL
DRIVEWAY DETAIL
REVISED: 09/01/2013
SHEET 1 OF 1
PAVEMENT 15
590.05



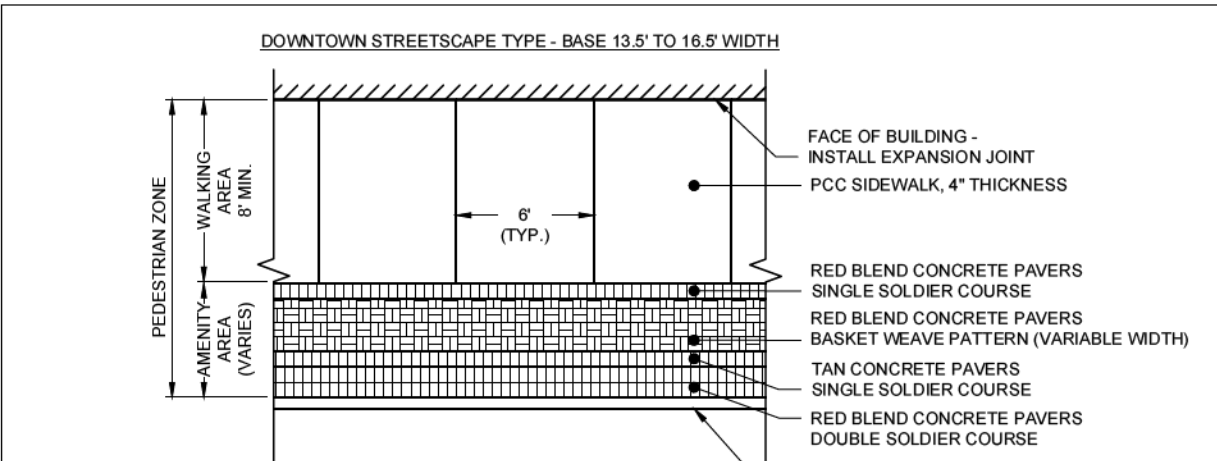
- NOTES:
1. 3/4" PREFORMED BITUMINOUS EXPANSION JOINT WITH TWO (2) NUMBER 6 COATED SMOOTH DOWEL BARS (3/4" DIA X 18") WITH GREASE CAPS SHALL BE PLACED EVERY 16', 10' EITHER SIDE OF DRAINAGE STRUCTURES, P.C.'S, RADIUS POINTS AND BACK OF CUL-DE-SACS. WHEN EXPANSION JOINTS ARE CONSTRUCTED ADJACENT TO EXISTING CURB & GUTTER THE EXISTING CURB SHALL BE DRILLED AND TWO (2) NUMBER 6 COATED SMOOTH DOWEL BARS (3/4" X 18") GROUTED IN PLACE. GREASE CAPS SHALL BE PLACED ON THE SIDE OF THE NEW CURB AND GUTTER SHALL HAVE A FINCHED STOP THAT WILL PROVIDE A MINIMUM 1" EXPANSION.
 2. TOOLED CONTROL JOINTS OR SAWCUTS SHALL BE MADE EVERY 16'.
 3. SAWCUTS SHALL BE MADE WITHIN TWENTY FOUR (24) HOURS AND SEALED WITH A CITY APPROVED JOINT SEALANT. JOINTS SHALL BE CLEAN AND DRY PRIOR TO APPLICATION OF SEALANT.
 4. FOR CURB AND GUTTER CONSTRUCTED OVER UTILITY TRENCHES, TWO (2) EPOXY COATED REINFORCING BARS (NO. 4) SHALL BE PLACED IN THE CURB AND GUTTER, CENTERED OVER THE TRENCH.

**City of Naperville
STANDARD
DETAIL**
66.12 BARRIER CURB & GUTTER
REVISED: 01/01/2013
SHEET 1 OF 1
PAVEMENT 10
590.20



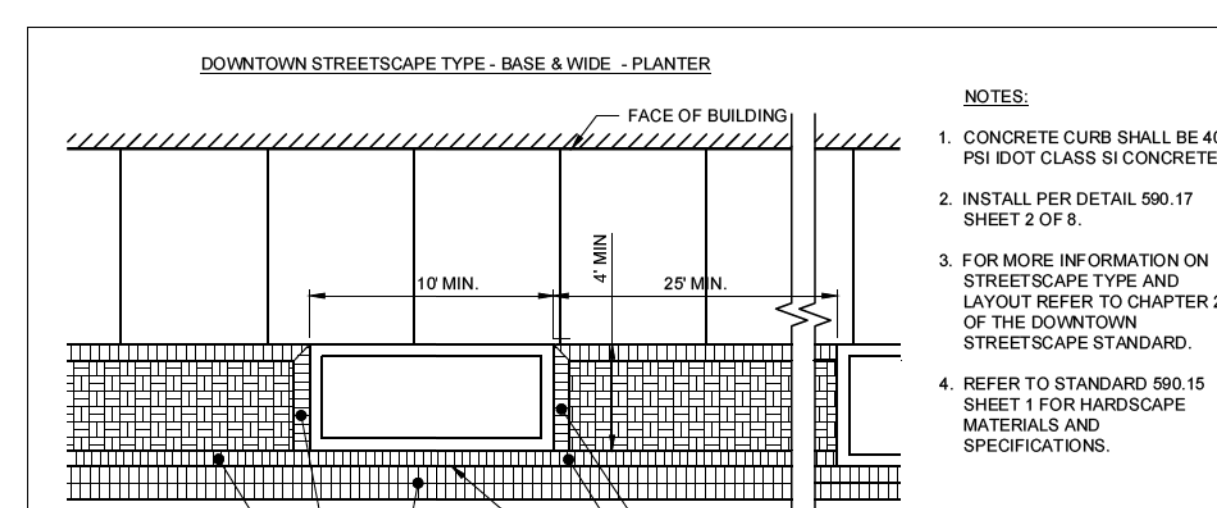
- NOTES:
1. FOR MORE INFORMATION ON STREETScape TYPE AND LAYOUT REFER TO CHAPTER 2 OF THE DOWNTOWN STREETScape STANDARD.
 2. REFER TO STANDARD 590.15 SHEET 1 FOR HARDSCAPE MATERIALS AND SPECIFICATIONS.
 3. 3/4" PREFORMED EXPANSION JOINT BETWEEN BUILDING AND SIDEWALK. WATERPROOF CAULK SHALL BE APPLIED TO THE TOP 3/4".
 4. INSTALL PAVERS PER MANUFACTURER'S RECOMMENDATIONS.
 5. TOOLED CONTROL JOINTS SHALL BE MADE AS SHOWN AND A 1/2" PREFORMED EXPANSION JOINT PLACED AT 42' INTERVALS.
 6. MEDIUM BRUSH FINISH WITH TOOLED JOINTS. CALIFORNIA FINISH IS PROHIBITED. SAW CUT JOINTS ARE PROHIBITED.

**City of Naperville
STANDARD
DETAIL**
DOWNTOWN STREETScape
DOWNTOWN STREETScape TYPE - NARROW < 11' (PLAN)
REVISED: 4/24/2019
SHEET 3 OF 8
PAVEMENT 15
590.15



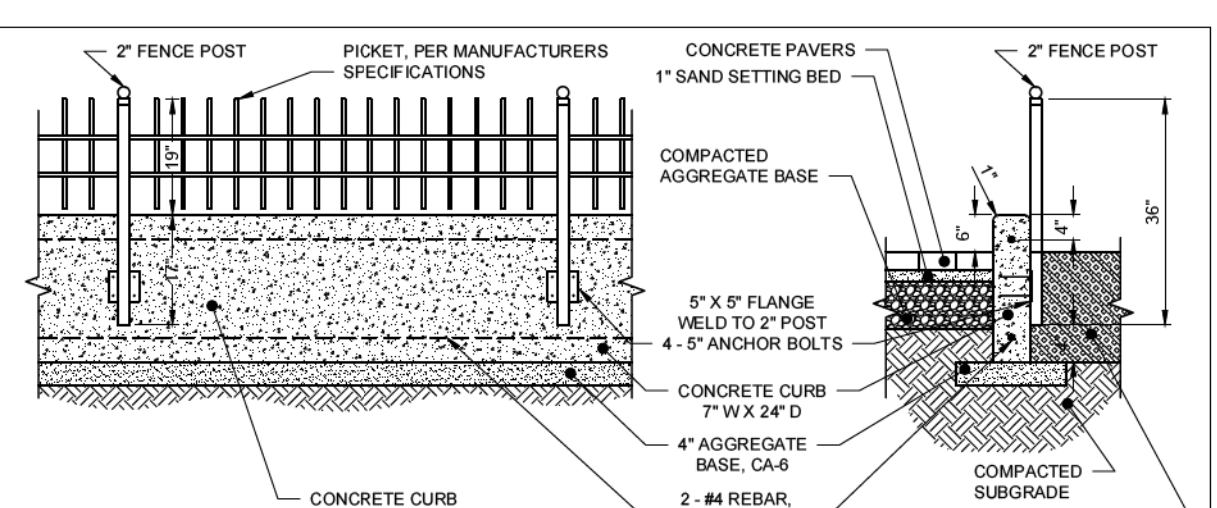
- NOTES:
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 2. REFER TO STANDARD 590.15 SHEET 1 FOR HARDSCAPE MATERIALS AND SPECIFICATIONS.
 3. 3/4" PREFORMED EXPANSION JOINT BETWEEN BUILDING AND SIDEWALK.
 4. INSTALL PAVERS PER MANUFACTURER'S RECOMMENDATIONS.
 5. TOOLED CONTROL JOINTS SHALL BE MADE AS SHOWN AND A 1/2" PREFORMED EXPANSION JOINT PLACED AT 42' INTERVALS.
 6. MEDIUM BRUSH FINISH WITH TOOLED JOINTS. CALIFORNIA FINISH IS PROHIBITED. SAW CUT JOINTS ARE PROHIBITED.

**City of Naperville
STANDARD
DETAIL**
DOWNTOWN STREETScape
DOWNTOWN STREETScape TYPE - BASE (PLAN)
REVISED: 4/24/2019
SHEET 5 OF 8
PAVEMENT 15
590.15



- NOTES:
1. CONCRETE CURB SHALL BE 4000 PSI DOT CLASS SI CONCRETE.
 2. INSTALL PER DETAIL 590.17 SHEET 2 OF 8.
 3. FOR MORE INFORMATION ON STREETScape TYPE AND LAYOUT REFER TO CHAPTER 2 OF THE DOWNTOWN STREETScape STANDARD.
 4. REFER TO STANDARD 590.15 SHEET 1 FOR HARDSCAPE MATERIALS AND SPECIFICATIONS.

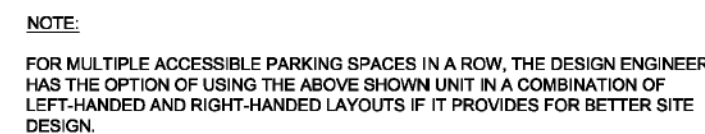
**City of Naperville
STANDARD
DETAIL**
DOWNTOWN STREETScape
LANDSCAPE - PLANTER
REVISED: 4/24/2019
SHEET 1 OF 8
LANDSCAPE 17
590.17



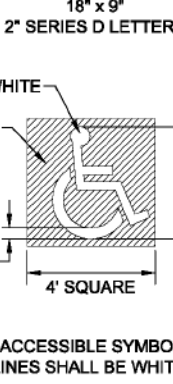
- NOTES:
1. FOR MORE INFORMATION ON STREETScape TYPE AND LAYOUT REFER TO CHAPTER 2 OF THE DOWNTOWN STREETScape STANDARD.
 2. REFER TO STANDARD 590.15 SHEET 1 FOR HARDSCAPE MATERIALS AND SPECIFICATIONS.
 3. CONCRETE CURB SHALL BE 4000 PSI DOT CLASS SI CONCRETE.
 4. SEE DOWNTOWN STREETScape PLANTER LANDSCAPE DETAIL FOR PLANTER INFORMATION.
 5. MANUFACTURER: INTEGRITY FENCE®, MERCHANTS METALS® MATERIAL: STEEL FINISH: BLACK POWDER COAT SUPPLIER: K. BROTHERS, MERCHANTS METALS (*OR APPROVED EQUAL)

**City of Naperville
STANDARD
DETAIL**
DOWNTOWN STREETScape
LANDSCAPE - DECORATIVE FENCE & PLANTER CURB DETAIL
REVISED: 4/24/2019
SHEET 2 OF 8
LANDSCAPE 17
590.17

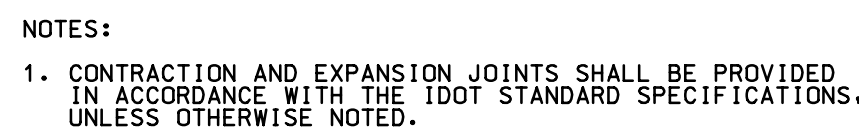
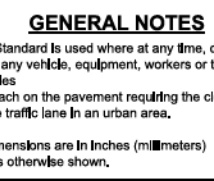
7/23/2026 12:32:20 PM H:\2026 Engineering Projects\Plan 102-11-Construction Details\PL 1



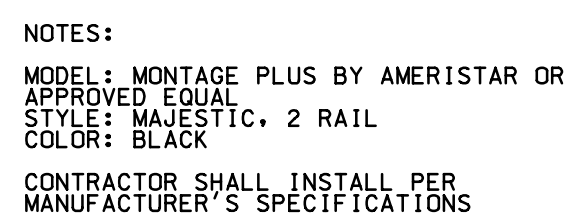
# OF ACCESSIBLE SPACES REQUIRED PER # OF OFF STREET PARKING	
TOTAL OFF STREET PARKING SPACES REQUIRED	REQUIRED MINIMUM NUMBER OF ACCESSIBLE PARKING SPACES
1 TO 25	1
26 TO 50	2
51 TO 75	3
76 TO 100	4
101 TO 150	5
151 TO 200	6
201 TO 300	7
301 TO 400	8
401 TO 500	9
501 TO 1000	2% OF TOTAL NUMBER
OVER 1000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



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



PCC PAVEMENT DETAILS - ALLEY & TRASH PAD
NOT TO SCALE



FALL PROTECTION FENCE DETAIL
NOT TO SCALE



JOHN GREENE
REAL ESTATE
1311 S. IL-59
NAPERVILLE, IL 60564
(630)615-5562

			DESIGNED	ST
			DRAWN	JD
			APPROVED	ST
07/23/2026	REVISED PER CITY COMMENTS	ST	DATE	04/30/2026
06/12/2026	REVISED PER CITY COMMENTS	ST		
DATE	DESCRIPTION OF REVISION	BY	SCALE	N.T.S.

CONSTRUCTION DETAILS
AURORA AVENUE PROFESSIONAL BUILDING
NAPERVILLE, ILLINOIS

SHEET	
11	OF 14
PROJECT NUMBER: 5268	
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ILLINOIS FIRM LICENSE 184-002694	

GENERAL NOTES

A. REFERENCED SPECIFICATIONS

1.

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS:
 - STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) FOR ALL IMPROVEMENTS EXCEPT SANITARY SEWER AND WATER MAIN CONSTRUCTION;
 - STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION
 - CITY OF NAPERVILLE MUNICIPAL CODE
 - DUPAGE COUNTY STORMWATER ORDINANCE

IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRINGENT SHALL TAKE PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.

B. NOTIFICATIONS

1.

THE CITY OF NAPERVILLE MUST BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO EACH PHASE OF WORK. CONTRACTOR SHALL DETERMINE ITEMS REQUIRING INSPECTION PRIOR TO START OF CONSTRUCTION OR EACH WORK PHASE.
2.

THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION FOR THE EXACT LOCATIONS OF THE UTILITIES AND FOR THEIR PROTECTION DURING CONSTRUCTION. IF EXISTING UTILITIES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE CONFLICT MAY BE RESOLVED. CALL J.U.L.I.E. AT 1-800-892-0123.

C. GENERAL NOTES

1.

THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.
2.

THE CONTRACTOR(S) SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, AND THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, OR TESTING OF THIS WORK ON THE PROJECT.
3.

THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY THE MUNICIPALITY UNLESS CHANGES ARE APPROVED BY THE MUNICIPALITY OR AUTHORIZED AGENT. THE CONSTRUCTION DETAILS, AS PRESENTED ON THE PLANS, MUST BE FOLLOWED. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED ON THE IMPROVEMENTS INDICATED ON THE PLANS.
4.

A WATER-TIGHT PLUG SHALL BE INSTALLED IN THE DOWNSTREAM SEWER PIPE AT THE POINT OF SEWER CONNECTION PRIOR TO COMMENCING ANY SEWER CONSTRUCTION. THE PLUG SHALL REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE MUNICIPALITY AND/OR SEWER DISTRICT AFTER THE SEWERS HAVE BEEN TESTED AND ACCEPTED.
5.

THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT ANY UNPOLLUTED WATER, SUCH AS GROUND AND SURFACE WATER, FROM ENTERING THE EXISTING SANITARY SEWERS.
6.

DISCHARGING ANY UNPOLLUTED WATER INTO THE SANITARY SEWER SYSTEM FOR THE PURPOSE OF SEWER FLUSHING OF LINES FOR THE DEFLECTION TEST SHALL BE PROHIBITED WITHOUT PRIOR APPROVAL FROM THE MUNICIPALITY AND/OR SEWER DISTRICT.
7.

THE LOCATION OF VARIOUS EXISTING UNDERGROUND UTILITIES WHICH ARE SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. VERIFY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING THE CONSTRUCTION OPERATIONS.
8.

ANY EXISTING PAVEMENT, SIDEWALK, DRIVEWAY, ETC., DAMAGED DURING CONSTRUCTION OPERATIONS AND NOT CALLED FOR TO BE REMOVED SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
9.

NO FINAL CONNECTION SHALL BE MADE TO THE EXISTING WATER MAIN SYSTEM UNTIL THE WATER MAIN HAS BEEN PRESSURE TESTED AND CHLORINATED.
10.

ALL NON-PAVING CONCRETE USED ON THE PROJECT SHALL BE IDOT CLASS S1.
11.

MATERIAL AND COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY AND OWNER.
12.

THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO NOTIFY ALL INSPECTION AGENCIES.
13.

ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION.
14.

RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS UNDERGROUND IMPROVEMENTS ARE COMPLETED. FINAL PAYMENTS TO THE CONTRACTOR SHALL BE HELD UNTIL THEY ARE RECEIVED. ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED. ALL WYES OR BENDS SHALL BE LOCATED FROM THE DOWNSTREAM MANHOLE. ALL VALVES, B-BOXES, TEES OR BENDS SHALL BE TIED TO A FIRE HYDRANT.
15.

TRAFFIC CONTROL SIGNS SHALL BE INSTALLED DURING CONSTRUCTION IN ACCORDANCE WITH THE IDOT SS AND IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THE SAFE AND ORDERLY PASSAGE OF TRAFFIC AND PEDESTRIANS SHALL BE MAINTAINED AT ALL TIMES.

D. EXCAVATION AND SITE GRADING

1.

EXCAVATION AND EMBANKMENT REQUIRED FOR SITE GRADING SHALL BE CONSTRUCTED IN ACCORDANCE WITH SOILS REPORTS PREPARED FOR THIS SITE. COPIES OF THE SOILS REPORTS ARE AVAILABLE FROM THE OWNER.
2.

BUILDING PAD, BUILDING FOOTING, AND PAVEMENT SUBGRADES SHALL BE CONSTRUCTED OF SUITABLE FILL MATERIAL, AS DETERMINED BY THE SOILS ENGINEER, AND COMPACTED TO A MINIMUM BEARING CAPACITY OF 3,000 PSF IN BUILDING PAD AREAS AND 95% MODIFIED PROCTOR DENSITY WITHIN PARKING LOT PAVEMENT AREAS OR PUBLIC RIGHT-OF-WAYS.

3.

ALL CLAY EMBANKMENT NECESSARY FOR STORMWATER MANAGEMENT AREAS AS NOTED ON THE CROSS SECTION SHALL CONSIST OF COHESIVE SOIL TYPES WITH LESS THAN 25% SAND AND GRAVEL. MATERIAL SHALL HAVE A COEFFICIENT OF PERMEABILITY OF LESS THAN 10 X -7 CM/SEC. MAXIMUM PARTICLE SIZE SHALL BE 4-INCHES. THESE MATERIALS WILL BE PRACTICALLY IMPERVIOUS. MATERIAL SHALL BE TESTED FOR CLASSIFICATION, COMPACTION CHARACTERISTICS, PERMEABILITY CHARACTERISTICS AND UNCONFINED COMPRESSIVE STRENGTH, IN ORDER TO ENSURE THAT THEY MEET THE ABOVE REQUIREMENTS.

THE MATERIAL SHALL BE CL TYPE (USING THE USC CLASSIFICATION SYSTEM, ASTM D2487) AND FREE FROM GRAVEL, ROOTS, ORGANIC MATTER, AND ANY OTHER OBJECTIONABLE MATERIALS.

THE EMBANKMENT SHALL BE PLACED IN ESSENTIALLY HORIZONTAL LIFTS NOT EXCEEDING 8 INCHES IN LOOSE THICKNESS. EACH LIFT SHOULD BE COMPACTED TO AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED IN THE LABORATORY BY THE MODIFIED PROCTOR COMPACTION TEST (ASTM D1557). EACH LIFT TO BE COMPACTED TO SPECIFIED DENSITY PRIOR TO THE PLACEMENT OF ADDITIONAL FILL. MOISTURE CONTROL IS IMPORTANT IN THE COMPACTION OF COHESIVE SOIL TYPES, AND THE WATER CONTENT OF THE EMBANKMENT FILL SHALL BE WITHIN 4 PERCENTAGE POINTS OF OPTIMUM MOISTURE AS ESTABLISHED BY THE LABORATORY COMPACTION CURVE.

4.

COMPACTION TESTING SHALL MEET THE REQUIREMENTS OF THE MUNICIPALITY AND THE OWNER.
5.

NO EQUIPMENT, MATERIAL OR WORK IS TO BE PERFORMED OUTSIDE THE LIMITS OF CONSTRUCTION.
6.

THE CONTRACTOR IS REQUIRED TO MEET ALL SOIL EROSION CONTROL AND SEDIMENTATION REQUIREMENTS AS SET FORTH IN THE IEPA STANDARDS, MUNICIPAL ORDINANCES, COUNTY ORDINANCES, AND THE ENGINEERING PLANS.
7.

ALL PAVEMENT SUBGRADES SHALL BE PROOF-ROLLED WITH A FULLY LOADED TEN WHEEL TRUCK. ANY SOFT YIELDING AREAS SHALL BE REMOVED AND REPLACED WITH COMPACTED CA-6 CRUSHED STONE.
8.

ALL UNSUITABLE MATERIAL, AS DETERMINED BY THE SOILS ENGINEER, SHALL BE REMOVED AND (A.) DISC-DRIED AND RECOMPACTED, OR (B.) LIME OR CEMENT DRIED AND RECOMPACTED, OR (C.) REPLACED WITH CRUSHED STONE. IDOT CA-6 GRADATION. ALL OPTIONS MEETING COMPACTION REQUIREMENTS AS SPECIFIED EARLIER IN THESE SPECIFICATIONS.
9.

LIMITS OF BUILDING PAD SHALL EXTEND FIVE (5) FEET BEYOND PROPOSED BUILDING WALLS. LIMITS OF SUITABLE PAVEMENT SUBGRADE SHALL EXTEND TWO (2) FEET BEYOND BACK OF PROPOSED CURB, OR EDGE OF PAVEMENT.
10.

ALL REMOVAL OR EXCAVATION ITEMS BEING DISPOSED OF AT AN UNCONTAMINATED SOIL FILL OPERATION OR CLEAN CONSTRUCTION AND DEMOLITION DEBRIS (CCDD) FILL SITE SHALL MEET THE REQUIREMENTS OF PUBLIC ACT 96-1416. ALL COSTS ASSOCIATED WITH MEETING THESE REQUIREMENTS SHALL BE INCLUDED IN THE UNIT PRICE COST FOR THE ASSOCIATED REMOVAL OR EXCAVATION ITEMS IN THE CONTRACT. THESE COSTS SHALL INCLUDE BUT ARE NOT LIMITED TO ALL REQUIRED TESTING, LAB ANALYSIS, CERTIFICATION BY A LICENSED PROFESSIONAL ENGINEER, AND STATE AND LOCAL TIPPING FEES.

E. PAVEMENT CONSTRUCTION

1.

HOT-MIX ASPHALT PAVEMENT SHALL HAVE A MINIMUM TOTAL COMPACTED THICKNESS AS SHOWN ON THE DRAWINGS AND SHALL BE COMPACTED TO 93% OF THE MAXIMUM UNIT WEIGHT AS DETERMINED BY ASTM D-2041.
2.

THE PAVEMENT SUBGRADE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF SECTION 301 (SUBGRADE PREPARATION) OF THE IDOT SS. SUBGRADE SHALL BE COMPACTED TO A MINIMUM IFR OF 3.0.
3.

THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF SECTION 351 (AGGREGATE BASE COURSE) OF THE IDOT SS.
4.

NO AGGREGATE BASE COURSE SHALL BE INSTALLED UNTIL THE SUBGRADE HAS BEEN APPROVED BY THE OWNER.
5.

HOT-MIX ASPHALT PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF SECTION 406 (HOT-MIX ASPHALT BINDER AND SURFACE COURSE).
6.

NO HOT-MIX ASPHALT BINDER SHALL BE INSTALLED UNTIL THE AGGREGATE BASE COURSE HAS BEEN APPROVED BY THE OWNER. AGGREGATE BASE COURSE PRIME COAT (WC-50) SHALL BE APPLIED AT A RATE OF 0.25 TO 0.5 GALLONS PER SQUARE YARD, THE EXACT RATE TO BE SPECIFIED BY THE ENGINEER.
7.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY SIGNS, BARRICADES, FENCES, ETC. TO KEEP THE CONSTRUCTION SITE IN COMPLIANCE WITH STATE AND FEDERAL LAWS. THE MUNICIPALITY MAY REQUIRE ADDITIONAL SIGNAGE OR BARRICADES. THE CONTRACTOR SHALL COMPLY WITH ALL SUCH MUNICIPAL REQUIREMENTS.
8.

ALL EXISTING PAVEMENT, SIDEWALK, OR CURB AND GUTTER TO BE REMOVED SHALL BE SAWCUT ALONG THE LIMITS OF THE PROPOSED REMOVAL BEFORE REMOVAL OPERATIONS BEGIN.
9.

PRIOR TO PLACEMENT OF BASE COURSE, THE SUBGRADE SHALL BE PROOF-ROLLED WITH A FULLY LOADED TEN WHEEL TRUCK AND ANY SOFT YIELDING AREAS SHALL BE REMOVED AND REPLACED WITH COMPACTED CA-6 CRUSHED STONE.
10.

CURB AND GUTTER REMOVAL SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF SECTION 440 (REMOVAL OF EXISTING PAVEMENT AND APPURTENANCES) OF THE IDOT SS.
11.

ALL PAVEMENT MARKINGS SHALL BE PAINT.
12.

ADA ACCESSIBLE CURB RAMPS SHALL BE PROVIDED AT ALL LOCATIONS WHERE THE SIDEWALK ADJUTS THE CURB AND GUTTER. ALL ADA RAMPS SHALL PROVIDE DETECTABLE WARNINGS PER THE DETAIL NOTED WITHIN THIS PLAN SET. THE INSTALLATION OF THESE DETECTABLE WARNINGS SHALL CONFORM TO SECTION 424 OF THE IDOT SS AND THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES.
13.

ALL CONCRETE FOR SIDEWALK AND CURB AND GUTTER IS TO BE CLASS S1, 6-1 BAG MIX WITH NO FLY ASH.

15.

COMBINATION CURB AND GUTTER SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF SECTION 606 (CONCRETE GUTTER, CURB, MEDIAN, AND PAVED DITCH) OF THE IDOT SS.

- a.

EXPANSION JOINTS SHALL BE PLACED AT THE END OF RADII AND AT INTERVALS OF NO MORE THAN 40-FEET IN STRAIGHT LINE PORTIONS OF WORK. EXPANSION JOINTS SHALL BE PROVIDED WHERE THE CURB AND GUTTER ABUTS AN EXISTING OR PROPOSED SIDEWALK, BUILDING, PERMANENT STRUCTURE OR EXISTING OR PROPOSED CONCRETE DRIVEWAY. EXPANSION JOINTS ARE REQUIRED 5-FEET ON EACH SIDE OF ANY STORM SEWER STRUCTURE IN THE CURB LINE. EXPANSION JOINTS SHALL CONSIST OF 1-INCH PREMOLED EXPANSION JOINT FILLER MATERIAL.
- b.

EXPANSION JOINTS SHALL INCLUDE 12-INCH LONG #4 DOWEL BARS WITH CAP.
- c.

CONTRACTION JOINTS SHALL BE PLACED AT INTERVALS OF NO MORE THAN 10- FEET. CONTRACTION JOINTS SHALL BE SAWED TO A DEPTH EQUAL TO 1/3 THE THICKNESS OF THE GUTTER FLAG AND TO A WIDTH OF NOT LESS THAN 1/8 INCH.
- d.

A MINIMUM 4-INCH COMPACTED AGGREGATE BASE SHALL BE PROVIDED UNDER THE CURB AND GUTTER AND SHALL EXTEND 1-FOOT BEHIND BACK OF CURB. REFER TO SECTION 606 FOR ADDITIONAL JOINTING REQUIREMENTS.

16.

SIDEWALK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF SECTION 424 (PORTLAND CEMENT CONCRETE SIDEWALK) OF THE IDOT SS.

- a.

THE SURFACE SHALL BE DIVIDED BY GROOVES CONSTRUCTED AT RIGHT ANGLES TO THE CENTERLINE OF THE SIDEWALK OR AS SHOWN ON THE ENGINEERING PLANS. GROOVES SHALL EXTEND TO 1/4 THE DEPTH OF THE SIDEWALK, SHALL BE NOT LESS THAN 1/8 IN. NOR MORE THAN 1/4 IN. IN WIDTH, AND SHALL BE LONGER THAN 6 FT. NOR LESS THAN 4 FT. ON ANY SIDE, UNLESS OTHERWISE NOTED.
- b.

EXPANSION JOINTS SHALL BE 1/2 IN. THICK AND CONSIST OF PREFORMED JOINT FILLER. THE TOP OF THE JOINT FILLER SHALL BE 1/4 IN. BELOW THE SURFACE OF THE SIDEWALK.
- c.

EXPANSION JOINTS SHALL BE PLACED BETWEEN THE SIDEWALK AND ALL STRUCTURES SUCH AS LIGHT POLES, TRAFFIC SIGNAL POLES, TRAFFIC POLES AND SUBWAY COLUMNS, WHICH EXTEND THROUGH THE SIDEWALK. EXPANSION JOINTS SHALL BE PLACED AT MAXIMUM INTERVALS OF 50 FT. IN THE SIDEWALK. WHERE THE SIDEWALK IS CONSTRUCTED ADJACENT TO PAVEMENT OR CURB HAVING EXPANSION JOINTS, THE EXPANSION JOINTS IN THE SIDEWALK SHALL BE PLACED IN LINE WITH THE EXPANSION JOINTS AS NEARLY AS PRACTICABLE. EXPANSION JOINTS SHALL BE PLACED WHERE THE SIDEWALK ABUTS EXISTING SIDEWALKS, BETWEEN DRIVEWAY PAVEMENT AND SIDEWALK, AND BETWEEN SIDEWALK ACCESSIBILITY RAMPS AND CURBS WHERE THE RAMP ABUTS A CURB.

17.

HOT-MIX ASPHALT BASE COURSE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF SECTION 355 (HOT-MIX ASPHALT BASE COURSE) OF THE IDOT SS.

18.

HOT-MIX ASPHALT SPECIFICATIONS SHALL BE AS FOLLOWS:

ITEM	AIR VOIDS
HMA SURFACE COURSE, MIX "D", IL-9.5MM, N50, 1.5" MIN.	4% AT 50 GYR.
HMA BINDER COURSE, IL-19.0, N50; 2.25" MIN	4% AT 50 GYR.
LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4" MIN	3.5% AT 50 GYR.
CLASS D PATCHES (HMA BINDER IL-19mm)	4% AT 70 GYR.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/50 YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR ALL NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE SPECIAL PROVISIONS. APPLICABLE DISTRICT ONE SPECIAL PROVISIONS MAY INCLUDE, "RECLAIMED ASPHALT PAVEMENT AND SHINGLES", "HMA MIXTURE IL-4.75" AND "STONE MATRIX ASPHALT (SMA)".

19.

ALL CURBS CONSTRUCTED OVER A UTILITY TRENCH SHALL BE REINFORCED WITH TWO EQUALLY SPACED #4 REBARS CENTERED IN THE FLAG FOR A LENGTH OF 10 FEET ON EITHER SIDE OF THE TRENCH. SIDEWALKS SHALL BE TREATED IN THE SAME MANNER USING THREE EQUALLY SPACED #4 REBARS CENTERED IN THE SIDEWALK FOR A LENGTH OF 10 FEET ON EITHER SIDE OF THE TRENCH.

20.

ALL WATER AND SANITARY SERVICE LOCATIONS SHALL BE STAMPED ON THE CURB WITH "W" OR "S" AT THE DEMARKED LOCATIONS WHERE POSSIBLE.

F. SANITARY SEWER

1.

ALL SANITARY SEWERS, SERVICES AND APPURTENANCES SHALL BE CONSTRUCTED OR LINED IN ACCORDANCE WITH THE LOCAL MUNICIPAL REQUIREMENTS OR SANITARY DISTRICT SPECIFICATIONS AND THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION (SSWS).
2.

THE CIPP LATERAL SANITARY LINING MUST MEET THE REQUIREMENTS OF ASTM F-2561-20 AND F-3240-17 AS MANUFACTURED BY LMK TECHNOLOGIES OR APPROVED EQUAL.
3.

SANITARY SEWER SERVICE FOR THE PROPOSED BUILDINGS SHALL BE COORDINATED WITH THE ARCHITECTURAL PLANS FOR SIZE AND LOCATION. LATER REVISIONS TO ARCHITECTURAL PLANS MAY EXIST, THEREFORE, CONTRACTOR SHALL VERIFY LOCATION OF SANITARY SERVICE AS SHOWN ON ENGINEERING PLANS IS CONSISTENT WITH ARCHITECTURAL PLANS. NOTIFY ENGINEER OR OWNER IF DISCREPANCY EXISTS. FIELD LOCATION OF ALL SERVICE STUBS TO BE VISIBLY DEMARKED, SUPPLIED BY CONTRACTOR, AND SHOWN ON RECORD DRAWINGS.

G. WATER MAIN

1.

ALL WATER MAINS, SERVICES, AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LOCAL MUNICIPAL REQUIREMENTS AND THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION (SSWS).
2.

WATER MAINS SHALL BE DUCTILE IRON PIPE CONFORMING TO ANSI A 21.51 (AWWA C151), CLASS 52 PER ANSI A 21.50 (AWWA C150), SEAL COATED OR CEMENT LINED PER ANSI A21.4 (AWWA C104), WITH RUBBER RING (SLIP SEAL OR PUSH ON) JOINTS OR MECHANICAL FOR RESTRAINED JOINTS.
3.

A MINIMUM OF 5'-6" OF COVER SHALL BE MAINTAINED OVER THE WATER MAIN AND SERVICES AT ALL TIMES, UNLESS SPECIAL PROVISIONS HAVE BEEN MADE.
4.

GRANULAR PIPE BEDDING MATERIAL SHALL BE IDOT CA-6 AND SHALL BE INSTALLED PER ASTM D2321. GRANULAR BEDDING SHALL BE COMPACTED TO 95% MODIFIED PROCTOR DENSITY.
5.

SELECTED GRANULAR BACKFILL IDOT CA-6 SHALL BE USED WHERE THE TOP OF THE TRENCH LIES UNDER OR WITHIN 24-INCHES OF ALL PAVEMENTS, CURB AND GUTTERS, DRIVEWAYS AND SIDEWALKS.
6.

ALL WATER VAULTS SHALL HAVE THE WORD "WATER" CAST INTO THE LID.
7.

VALVES SHALL BE RESILIENT WEDGE GATE VALVES CONFORMING TO THE RESPECTIVE STANDARDS OF THE LATEST AWWA C500, AWWA C509 AND AWWA C515 STANDARDS. ALL MATERIALS USED IN THE MANUFACTURE OF WATERWORKS GATE VALVES SHALL CONFORM TO THE AWWA STANDARDS DESIGNED FOR EACH MATERIAL LISTED. ALL VALVES SHALL CONFORM TO THE STANDARDS SET FORTH IN THE SSWS.
8.

WATER MAINS SHALL BE PRESSURE TESTED, LEAK TESTED AND CHLORINATED IN ACCORDANCE WITH LOCAL MUNICIPAL REQUIREMENTS AND THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS, LATEST EDITION.
9.

WATER SERVICE FOR THE PROPOSED BUILDINGS SHALL BE COORDINATED WITH THE ARCHITECTURAL PLANS FOR SIZE AND LOCATION. LATER REVISIONS TO THE ARCHITECTURAL PLANS MAY EXIST, THEREFORE, CONTRACTOR SHALL VERIFY LOCATION AND SIZE OF WATER SERVICE AS SHOWN ON ENGINEERING PLANS IS CONSISTENT WITH ARCHITECTURAL PLANS. NOTIFY ENGINEER OR OWNER IF DISCREPANCY EXISTS. FIELD LOCATION OF ALL SERVICE STUBS TO BE VISIBLY DEMARKED, SUPPLIED BY CONTRACTOR, AND SHOWN ON RECORD DRAWINGS
10.

WATER MAINS SHALL BE LOCATED AT LEAST 10- FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED SANITARY SEWER, STORM SEWER, COMBINED SEWER OR SEWER SERVICE CONNECTION. WATER MAINS MAY BE LOCATED CLOSER THAN 10- FEET TO A SEWER LINE WHEN:
 - LOCAL CONDITIONS PREVENT A LATERAL SEPARATION OF 10- FEET AND
 - THE WATER MAIN INVERT IS AT LEAST 18-INCHES ABOVE THE CROWN OF THE SEWER; AND
 - THE WATER MAIN IS EITHER IN A SEPARATE TRENCH OR IN THE SAME TRENCH ON AN UNDISTURBED EARTH SHELFL LOCATED TO ONE SIDE OF THE SEWER. WHEN IT IS IMPOSSIBLE TO MEET THE CONDITIONS ABOVE, BOTH THE WATER MAIN AND SEWER MAIN SHALL BE CONSTRUCTED OF PIPE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION WITH SLIP-ON OR MECHANICAL JOINTS. THE SEWER SHALL BE PRESSURE TESTED TO THE MAXIMUM EXPECTED SURCHARGE HEAD BEFORE BACKFILLING.
11.

WATER MAIN SHALL BE SEPARATED FROM STORM AND SANITARY SEWERS AS FOLLOWS:
 - WATER MAINS SHALL BE SEPARATED FROM A SEWER SO THAT ITS INVERT IS A MINIMUM OF 18-INCHES ABOVE THE CROWN OF THE SEWER WHEREVER WATER MAINS CROSS A STORM SEWER, SANITARY SEWER OR SEWER SERVICE CONNECTION. THE VERTICAL SEPARATION SHALL BE MAINTAINED FOR THAT PORTION OF WATER MAIN LOCATED WITHIN 10- FEET HORIZONTALLY OF ANY SEWER CROSSED. A LENGTH OF WATER MAIN PIPE SHALL BE CENTERED OVER THE SEWER TO BE CROSSED WITH JOINTS EQUIDISTANT FROM THE SEWER OR
 - BOTH THE WATER MAIN AND SEWER SHALL BE CONSTRUCTED OF SLIP-ON OR MECHANICAL JOINTS OF PIPE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION WHEN IT IS IMPOSSIBLE TO OBTAIN THE PROPER VERTICAL SEPARATION AS DESCRIBED IN a) ABOVE OR THE WATER MAIN PASSES UNDER A SEWER OR
 - A VERTICAL SEPARATION OF 18-INCHES BETWEEN THE INVERT OF THE SEWER AND THE CROWN OF THE WATER MAIN SHALL BE MAINTAINED WHERE A WATER MAIN CROSSES UNDER A SEWER. SUPPORT THE SEWER TO PREVENT SETTLING AND BREAKING THE WATER MAIN OR
 - CONSTRUCTION OF WATER MAIN QUALITY PIPE SHALL EXTEND ON EACH SIDE OF THE CROSSING UNTIL THE PERPENDICULAR DISTANCE FROM THE WATER MAIN TO THE SEWER IS AT LEAST 10- FEET.
12.

FIRE HYDRANTS SHALL CONFORM TO THE AMERICAN WATER WORKS ASSOCIATION STANDARD C-502 AND SHALL BE OF A MAKE THAT HAS BEEN ADOPTED BY THE MUNICIPALITY AS A STANDARD. HYDRANTS SHALL BE DESIGNED FOR A MINIMUM WORKING PRESSURE OF ONE HUNDRED FIFTY (150) PSI AND A TEST PRESSURE OF THREE HUNDRED (300) PSI. HYDRANT BODY CASTING SHALL BE MANUFACTURED OF CAST IRON OR DUCTILE IRON. ALL NOZZLES SHALL BE MANUFACTURED OF AN ACCEPTABLE GRADE OF BRONZE AND ACCURATELY THREADED IN ACCORDANCE WITH "NATIONAL STANDARD HOSE COUPLING THREAD SPECIFICATIONS." THE HYDRANT SHALL OPEN BY TURNING LEFT (COUNTER-CLOCKWISE) AND SHALL BE SO MARKED. HYDRANTS SHALL BE OF THE "BREAK-AWAY" OR "TRAFFIC" BASE DESIGN.

H. STORM SEWER

1.

ALL STORM SEWERS, SERVICES AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LOCAL MUNICIPAL REQUIREMENTS, THE IDOT SS AND THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION.
2.

STORM SEWERS SHALL BE POLYVINYL CHLORIDE PIPE (PVC) PIPE, SDR 26, PER ASTM D-3034 WITH ELASTOMERIC JOINTS IN ACCORDANCE WITH ASTM D-3212;
3.

GRANULAR PIPE BEDDING MATERIAL SHALL BE IDOT CA-6 AND SHALL BE INSTALLED PER ASTM D2321. GRANULAR BEDDING SHALL BE COMPACTED TO 95% MODIFIED PROCTOR DENSITY.
4.

SELECTED GRANULAR BACKFILL IDOT CA-6 SHALL BE USED WHERE THE TOP OF TRENCH LIES UNDER OR WITHIN 24-INCHES OF ALL PAVEMENTS, CURB AND GUTTERS, DRIVEWAYS OR SIDEWALKS.

I. LANDSCAPING

1.

ALL DISTURBED AREAS SHALL BE RESTORED WITH 6-INCHES OF TOPSOIL AND SEED. SEEDING SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 250 (SEEDING) OF THE IDOT SS. SEEDING MIXTURE SHALL BE CLASS 1 LAWN MIXTURE, UNLESS OTHERWISE INDICATED.
2.

EROSION CONTROL BLANKET SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 251 (MULCH) OF THE IDOT SS. EROSION CONTROL BLANKET SHALL BE EXCELSIOR DS-150 OR SC-150 DEPENDING ON THE INTENDED USE.

DEPARTMENT OF PUBLIC UTILITIES – GENERAL NOTES

- A.

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 CITY OF NAPERVILLE. ALL UTILITY OWNERS, INVESTMENTS AND 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.
- 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.
- 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, LINES TOP 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 MEETING 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, WATEROUS 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 NEVER-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.
- 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.
- T.

THE CONTRACTOR SHALL PROVIDE INTERNAL TELEVIEWED INSPECTION OF ALL INSTALLED SANITARY SEWER, LATERALS, MANHOLES AND CONNECTIONS TO THE PUBLIC. FOLLOWING COMPLETION OF TELEVIEWING WORK, THE CONTRACTOR SHALL SUBMIT VIDEO EVIDENCE ON DVD OR USB DRIVE ALONG WITH A COMPREHENSIVE TELEVIEWING 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-TELEVIEWED.
- 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.
- 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.
- Z.

ALL BRASS COMPONENTS SHALL BE CERTIFIED TO BE LEAD FREE IN COMPLIANCE WITH NSF 61 AND NSF 372 AND IDENTIFIED WITH APPLICABLE MARKINGS.

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07/23/2026	REVISED PER CITY COMMENTS	ST	DATE	04/30/2026	
06/12/2026	REVISED PER CITY COMMENTS	ST	SCALE	N.T.S.	
DATE	DESCRIPTION OF REVISION	BY			

PROJECT SPECIFICATIONS
AURORA AVENUE PROFESSIONAL BUILDING
NAPERVILLE, ILLINOIS

SHEET

12 OF 14

PROJECT NUMBER: 5268
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ILLINOIS FIRM LICENSE 184-002694

CITY OF NAPERVILLE TED BUSINESS GROUP
STANDARD CONSTRUCTION PLAN NOTES

GENERARL NOTES

1. THE OWNER OR THEIR REPRESENTATIVE IS RESPONSIBLE TO OBTAIN ANY AND ALL PERMITS REQUIRED BY APPLICABLE GOVERNMENTAL AGENCIES.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF NAPERVILLE DESIGN MANUAL AND STANDARD SPECIFICATIONS (CURRENT EDITION) AND WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (CURRENT EDITION).
3. ALL CONTRACTORS DOING WORK IN THE PUBLIC RIGHT-OF-WAY MUST BE LICENSED (WHEN APPLICABLE) TO MAKE PUBLIC IMPROVEMENTS WITHIN THE NAPERVILLE CORPORATE LIMITS.
4. THE CONTRACTOR/DEVELOPER ASSUMES ALL RESPONSIBILITY AND LIABILITY FOR ANY ACTION RESULTING FROM THEIR WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
5. THE CONTRACTOR/DEVELOPER SHALL INDEMNIFY AND HOLD HARMLESS THE CITY OF NAPERVILLE.
6. PRIOR TO COMMENCEMENT OF ANY OFF-SITE CONSTRUCTION, THE CONTRACTOR SHALL SECURE WRITTEN AUTHORIZATION THAT ALL OFF-SITE EASEMENTS HAVE BEEN SECURED AND THAT PERMISSION HAS BEEN GRANTED TO ENTER ONTO PRIVATE PROPERTY.
7. THE CONTRACTOR AND THEIR ON-SITE REPRESENTATIVES WILL BE REQUIRED TO ATTEND A PRE-CONSTRUCTION MEETING WITH THE CITY OF NAPERVILLE PRIOR TO ANY WORK BEING STARTED. 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.
8. A MINIMUM OF 48 HOURS NOTICE SHALL BE GIVEN TO THE CITY OF NAPERVILLE TED BUSINESS GROUP (630-420-6100 OPTION 1) PRIOR TO STARTING WORK OR RESTARTING WORK AFTER SOME ABSENCE OF WORK FOR ANY REASON.
9. 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 JULIE 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-JULIE MEMBER FACILITIES.
10. THE CONTRACTOR CAN SCHEDULE ALL NECESSARY SITE INSPECTIONS WITH THE CITY OF NAPERVILLE BY CALLING (630) 420-6100 OPTION 1 BETWEEN THE HOURS OF 8:00AM AND 4:00PM (12:00PM 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 INSPECTION(S).
11. RECORD DRAWINGS ARE REQUIRED TO BE SUBMITTED AND APPROVED BY THE CITY OF NAPERVILLE PRIOR TO FINAL OCCUPANCY BEING GRANTED.
12. FINAL ACCEPTANCE OF PUBLIC IMPROVEMENTS SHALL BE GRANTED ONLY AFTER A FINAL INSPECTION HAS BEEN COMPLETED AND HAS REVEALED THAT ALL IMPROVEMENTS HAVE BEEN SATISFACTORILY COMPLETED IN ACCORDANCE WITH THE NAPERVILLE STANDARD SPECIFICATIONS. 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 GENERAL

1. NO CONNECTION TO AN EXISTING PUBLIC STORM SEWER MAY BE MADE WITHOUT PERMISSION OF THE CITY ENGINEER.
2. THE CONTRACTOR SHALL REPAIR ANY EXISTING FIELD DRAINAGE TILE DAMAGED DURING CONSTRUCTION AND PROPERLY REROUTE AND/OR CONNECT SAID TILE TO THE NEAREST STORM SEWER OUTLET. ALL LOCATIONS OF ENCOUNTERED FIELD DRAINAGE TILE SHALL BE PROPERLY INDICATED ON THE CONTRACTOR'S RECORD DRAWINGS.

STORM SEWER – PROJECT SPECIFIC

1. THE FOLLOWING MATERIALS ARE PERMITTED FOR STORM SEWER AND PIPE CULVERTS. WHERE A PARTICULAR MATERIAL IS SPECIFIED IN THE PLANS OR SPECIAL PROVISIONS, NO OTHER KIND OF MATERIAL WILL BE PERMITTED:

A. 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, ELLIPTICAL, OR BOX SHAPED OR AS REINFORCED CONCRETE ARCH CULVERT.

D. 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 12454-C AND SHALL HAVE A MINIMUM PIPE STIFFNESS OF FORTY-SIX (46) LBS. PER INCH (317 KPA). JOINTS FOR PVC PIPE SHALL BE FLEXIBLE ELASTOMERIC SEALS PER ASTM D 3212.
2. BEDDING, OTHER THAN CONCRETE EMBEDMENT, SHALL CONSIST OF GRAVEL, CRUSHED GRAVEL, OR CRUSHED STONE 1/4 INCH TO 1 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.
3. 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.
4. JOINTS CONNECTING DISSIMILAR PIPE MATERIALS SHALL BE MADE WITH SEWER CLAMP NON-SHEAR TYPE COUPLINGS: CASCADE CSS, ROMAC LSS, FERROCO, INC. SHEAR RING, OR APPROVED EQUAL. WHEN AVAILABLE, A STANDARD JOINT WITH A TRANSITION GASKET MAY BE USED. THE NAME OF THE MANUFACTURER, CLASS, AND DATE OF ISSUE SHALL BE CLEARLY IDENTIFIED ON ALL SECTIONS OF PIPE. THE CONTRACTOR SHALL ALSO SUBMIT BILLS OF LADING, OR OTHER QUALITY ASSURANCE DOCUMENTATION WHEN REQUESTED BY THE CITY ENGINEER. ALL NUTS AND BOLTS FOR COUPLINGS SHALL BE STAINLESS STEEL.
5. MANHOLES FOR STORM SEWERS SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES AND SHALL BE CONSTRUCTED OF PRECAST CONCRETE UNITS IN ACCORDANCE WITH ASTM C478-05 (OR LATEST EDITION) AND SHALL CONFORM TO THE CITY OF NAPERVILLE STANDARD DETAIL. ALL MANHOLES SHALL BE WATER-TIGHT. ALL VISIBLE LEAKS SHALL BE SEALED IN A MANNER ACCEPTABLE TO THE CITY ENGINEER.

6. MANHOLES SHALL BE FURNISHED WITH A SELF-SEALING FRAME AND SOLID COVER (EAST JORDAN IRON WORKS 1022 WITH TYPE A SOLID COVER, OR APPROVED EQUAL) WITH THE WORD "STOP" IMPRINTED ON THE COVER IN RAISED LETTERS. ALL FRAMES AND LIDS SHALL MEET OR EXCEED AASHTO H-20 LOADING SPECIFICATIONS. FRAMES SHALL BE SHOP PAINTED WITH ASPHALTIC BASE PAINT. BOTH THE MANHOLE FRAME AND COVER SHALL HAVE MACHINED HORIZONTAL AND VERTICAL BEARING SURFACES. INVERTED MANHOLE FRAMES ARE NOT ALLOWED. PICK HOLES SHALL NOT CREATE OPENINGS IN THE MANHOLE COVER.
7. MANHOLE STEPS ON MAXIMUM 16 INCH CENTER SHALL BE FURNISHED WITH EACH MANHOLE, SECURELY ANCHORED IN PLACE, TRUE TO VERTICAL ALIGNMENT, IN ACCORDANCE WITH THE NAPERVILLE STANDARD DETAILS. STEPS SHALL BE COPOLYMER POLYPROPYLENE REINFORCED WITH 1/2 INCH A615/A615M-05A (OR LATEST EDITION) GRADE 60 STEEL REINFORCEMENT, MEETING OR EXCEEDING ASTM C 478-05 (OR LATEST EDITION) AND OSHA STANDARDS.
8. CATCH BASINS AND INLETS SHALL HAVE A MINIMUM INSIDE DIAMETER OF 24 INCHES AND SHALL BE CONSTRUCTED OF PRECAST CONCRETE UNITS IN ACCORDANCE WITH ASTM C478-05 (OR LATEST EDITION) AND SHALL CONFORM TO THE CITY OF NAPERVILLE STANDARD DETAIL. ALL CATCH BASINS AND INLETS SHALL BE WATER-TIGHT AT ALL POINTS BELOW GRADE. ALL VISIBLE LEAKS SHALL BE SEALED IN A MANNER ACCEPTABLE TO THE CITY ENGINEER. CATCH BASINS AND INLETS SHALL BE FURNISHED WITH A FRAME AND GRATE BASED UPON THE LOCATION OF THE INSTALLATION AS LISTED BELOW. ALL FRAMES AND GRATES SHALL MEET OR EXCEED AASHTO H-20 LOADING SPECIFICATIONS. FRAMES SHALL BE SHOP PAINTED WITH ASPHALTIC BASE PAINT.

A) PAVEMENT: EAST JORDAN IRON WORKS 1022 FRAME WITH TYPE M1 RADIAL FLAT GRATE, NEENAH R-2502, OR APPROVED EQUAL FOR OPEN GRATES. EAST JORDAN IRON WORKS 1022 FRAME WITH TYPE A SOLID COVER, NEENAH R-1772, OR APPROVED EQUAL FOR CLOSE LIDS.

B) BARRIER CURB AND GUTTER: EAST JORDAN IRON WORKS 7220 FRAME WITH TYPE M1 GRATE AND T1 CURB BOX; NEENAH R-3278-A, OR APPROVED EQUAL.

C) DEPRESSED CURB: EAST JORDAN IRON WORKS 5120 FRAME AND GRATE, NEENAH R-3225-L, OR APPROVED EQUAL.

D) MOUNTABLE CURB: EAST JORDAN IRON WORKS 7525 FRAME AND GRATE, NEENAH R-3501-P, OR APPROVED EQUAL.

E) NON-PAVED AREAS: EAST JORDAN IRON WORKS 6527 BEEHIVE GRATE, NEENAH R-4540-B, OR APPROVED EQUAL. ALTERNATELY, IN AREAS WHERE THERE IS THE LIKELIHOOD OF PEDESTRIAN TRAFFIC, EAST JORDAN IRON WORKS 1022 FRAME WITH TYPE M1 RADIAL FLAT GRATE, OR APPROVED EQUAL MAY BE USED.

10. ALL PIPE SHALL BE LAID TRUE TO LINE AND GRADE. DIRT AND OTHER FOREIGN MATERIAL SHALL BE PREVENTED FROM ENTERING THE PIPE OR PIPE JOINT DURING HANDING OR LAYING OPERATIONS. ALL STORM SEWER PIPE TO PIPE CONNECTIONS SHALL BE SEALED WITH BUTYL MASTIC TO ENSURE WATER TIGHTNESS. LIFT HOLES TO BE SEALED USING BUTYL MASTIC AND CONCRETE PLUGS. AT NO TIME SHALL CONNECTIONS BETWEEN THE STORM SEWER AND SANITARY SEWER BE ALLOWED.
11. FOR STRUCTURES LOCATED IN PAVED AREAS, A MINIMUM OF FOUR, 2-INCH DIAMETER HOLES SHALL BE DRILLED OR PRECAST INTO THE STRUCTURE WITHIN 1 FOOT OF THE LOWEST PIPE INVERT. THE HOLES SHALL BE DISTRIBUTED EQUIDISTANT AROUND THE CIRCUMFERENCE OF THE STRUCTURE. A 1-FOOT BY 1-FOOT SECTION OF UNDERDRAIN FILTER CLOTH MATERIAL SHALL BE SUFFICIENTLY FIXED TO THE OUTSIDE OF THE MANHOLE WITH MASTIC MATERIAL TO PREVENT SLIPPAGE DURING BACKFILLING.
12. ALL STORM SEWER STRUCTURE FRAMES WITHOUT INSIDE FLANGES SHALL BE SHAPED WITH NON-SHRINKING HYDRAULIC CEMENT TO FORM A FILLET TO THE STRUCTURE OR ADJUSTING RING.

WHEN ADJUSTMENTS ARE NECESSARY, 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.

EROSION CONTROL AND DRAINAGE – GENERAL

1. THE CONTRACTOR SHALL MAINTAIN PROPER DRAINAGE AT ALL TIMES DURING THE COURSE OF CONSTRUCTION AND PREVENT STORM WATER FROM RUNNING INTO OR STANDING IN EXCAVATED AREAS.
2. DURING EXTENDED DRY PERIODS, THE CONSTRUCTION AREA(S) MAY NEED TO BE WATERED DOWN TO PREVENT THE BLOWING OF SOIL FROM THE SITE.
3. DURING CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE UTILIZED TO MINIMIZE THE TRACKING OF DIRT ONTO THE PUBLIC STREETS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO KEEP PUBLIC STREET PAVEMENT CLEAN OF DIRT AND DEBRIS. ANY DIRT THAT IS TRACKED ONTO THE PUBLIC STREETS SHALL BE REMOVED THE SAME DAY. IF THE AMOUNT TRACKED ON THE PUBLIC STREET IS EXCESSIVE, CLEANING MAY BE REQUIRED MORE FREQUENTLY.

EROSION CONTROL AND DRAINAGE – PROJECT SPECIFIC

1. ALL EROSION CONTROL MEASURES SHALL BE PROPERLY INSTALLED, AS PERMITTED, PRIOR TO ANY LAND DISTURBANCE ACTIVITIES. ALL EROSION CONTROL SHALL BE MAINTAINED UNTIL TURF IS ESTABLISHED.
2. ACCEPTABLE PERIMETER EROSION CONTROL INCLUDES SILT FENCE, SILT WORM AND ANY OTHER APPLICATION APPROVED BY THE CITY ENGINEER.
3. ALL OPEN GRATE STRUCTURES SHALL HAVE EROSION CONTROL PROTECTION IN ACCORDANCE WITH THE APPROVED EROSION CONTROL PLANS. STRAW BALES SHALL NOT BE USED.
4. STOCKPILES NOT BEING DISTURBED FOR MORE THAN 14 DAYS SHALL BE SEEDDED.
5. ALL EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY, AFTER ANY 0.5 INCH OR GREATER RAINFALL, OR MORE FREQUENTLY AS NECESSARY TO MAINTAIN THEIR FUNCTION.

GEOMETRIC AND PAVING NOTES – GENERAL

1. THE DEVELOPER AND CONTRACTOR SHALL HAVE THE RESPONSIBILITY TO ADEQUATELY PROTECT THE PAVEMENT AND PROPERTY, CURB AND GUTTER AND OTHER RIGHT-OF-WAY IMPROVEMENTS, WHETHER NEWLY CONSTRUCTED OR EXISTING, FROM ANY AND ALL DAMAGE. SUFFICIENT MEANS SHALL BE EMPLOYED BY THE CONTRACTOR TO PROTECT AGAINST SUCH DAMAGE TO THE SATISFACTION OF THE CITY ENGINEER.
2. ANY NEW OR EXISTING IMPROVEMENTS THAT ARE DAMAGED SHALL BE REPAIRED OR REPLACED IN A MANNER THAT IS SATISFACTORY TO THE CITY ENGINEER.
3. THE CONTRACTOR AND/OR DEVELOPER SHALL SECURE ALL NECESSARY RIGHTS AND PERMISSIONS TO PERFORM ANY WORK ON PRIVATE PROPERTY NOT WITHIN THE OWNERSHIP RIGHTS OF THE DEVELOPER. THE DEVELOPER SHALL BEAR THE SOLE RESPONSIBILITY FOR DAMAGES THAT MAY OCCUR AS A RESULT OF WORK PERFORMED UNDER CONTRACTS THEY INITIATE.
4. THE CONTRACTOR/DEVELOPER WILL BE RESPONSIBLE FOR BRINGING PAVEMENTS (STREET, CURB AND GUTTER, SIDEWALK, DRIVEWAY) ON THE PROPERTY UP TO CITY STANDARDS INCLUDING ANY REPAIRS TO SUBSTANDARD PAVEMENTS THAT EXISTED PRIOR TO OR DURING CONSTRUCTION
5. WHEREVER NEW WORK WILL MEET EXISTING CONDITIONS OTHER THAN LAWN AREAS, REGARDLESS OF WHETHER THE NEW OR EXISTING WORK IS ASPHALT OR CONCRETE, THE EXISTING ADJACENT SIDEWALK, DRIVEWAYS, PAVEMENT OR CURB SHALL BE NEATLY SAW CUT. THE SAW CUT SHALL BE IN A NEARLY STRAIGHT LINE, SUFFICIENTLY DEEP SO THAT IT RENDERS A SMOOTH VERTICAL FACE TO MATCH TO. IF THE CONTRACTOR IS NOT CAREFUL OR DOES NOT SAW DEEP ENOUGH AND THE CUT LINE BREAKS OUT OR CHIPS TO AN IMPERFECT EDGE, THEN THE EXISTING SIDE MUST BE RE-CUT SQUARE AND DONE OVER UNTIL IT IS CORRECT.
6. ALL PAVEMENT PATCHES WITHIN THE PUBLIC RIGHT-OF-WAY MUST CONFORM TO CITY STANDARDS. REFERENCE NAPERVILLE STANDARD DETAILS 590.12 AND 590.13.

TRAFFIC CONTROL AND PROTECTION NOTES – GENERAL

1. ALL DEVELOPERS AND CONTRACTORS SHALL PROVIDE SUITABLE TRAFFIC CONTROL FOR THEIR CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH PART 6 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. TRAFFIC CONTROL MUST BE PROVIDED FOR ANY ACTIVITY THAT IMPACTS TRAFFIC FLOW. THIS INCLUDES, BUT IS NOT LIMITED TO, ROAD CLOSURES REQUIRING DETOURS, DAILY LANE CLOSURES, LONG TERM LANE CLOSURES, NARROW LANES, AND CONSTRUCTION VEHICLES ENTERING AND EXITING THE PUBLIC ROADWAY. ALL TRAFFIC CONTROL SET-UPS MAY BE INSPECTED BY THE CITY OF NAPERVILLE TO ENSURE THAT THEY ARE PROVIDING POSITIVE GUIDANCE TO MOTORISTS AND ARE NOT IN THEMSELVES PRESENTING A HAZARDOUS SITUATION. A REPRESENTATIVE OF THE DEVELOPER OR CONTRACTOR MUST PROVIDE PHONE NUMBERS AT WHICH THEY CAN BE REACHED 24 HOURS A DAY AND ON WEEKENDS SO THAT THEY CAN MAINTAIN TRAFFIC CONTROL DEVICES.
2. PEDESTRIANS MUST BE PROVIDED WITH A SAFE ALTERNATE ROUTE IF PEDESTRIAN FACILITIES ARE TO BE CLOSED AS A RESULT OF CONSTRUCTION ACTIVITIES. GUIDANCE MUST BE PROVIDED TO PEDESTRIANS SO THAT THEY MAY AVOID THE WORK ZONE. SAID PEDESTRIAN DETOUR PLAN (WITH SIGNAGE) IS TO BE REVIEWED AND ACCEPTED BY THE CITY IN WRITING, PRIOR TO THE COMMENCEMENT OF THE WORK.
3. THE CONTRACTOR SHALL EMPLOY THE APPROPRIATE METHODS OF TRAFFIC CONTROL IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, SUCH THAT THE SAFETY OF VEHICLES, AND PEDESTRIANS IS PRESERVED AT ALL TIMES. THE ERECTION AND MAINTENANCE OF THE TRAFFIC CONTROL DEVICES SHALL BE TO THE SATISFACTION OF THE AGENCY OF JURISDICTION AND THE CITY ENGINEER.
4. ANY TEMPORARY OPEN HOLES SHOULD BE BARRICADED AND PROTECTED IN ACCORDANCE WITH APPLICABLE STANDARDS.

TRAFFIC CONTROL AND PROTECTION NOTES – DOWNTOWN

1. PEDESTRIAN TRAFFIC SHALL BE MAINTAINED IN THE DOWNTOWN. IF A PEDESTRIAN DETOUR CANNOT BE ACCOMMODATED, THE CITY MAY REQUIRE THE CONTRACTOR TO PROVIDE A PROTECTED COVERED WALKWAY.
2. ANY WORK IMPACTING THE PUBLIC RIGHT-OF-WAY SHALL NOT BE ALLOWED IN THE DOWNTOWN ON A FRIDAY, SATURDAY, SUNDAY, AND/OR HOLIDAY, UNLESS OTHERWISE PERMITTED BY THE CITY ENGINEER.
3. ALL WORK IN THE DOWNTOWN SHALL BE COORDINATED WITH THE DOWNTOWN NAPERVILLE ALLIANCE (DNA) TO AVOID CONFLICT WITH SPECIAL EVENTS.
4. UNLESS REQUIRED TO SUPPORT THE CURRENT WORK EFFORT, WORKERS' PERSONAL VEHICLES MAY NOT BE PARKED ON-STREET. CONTRACTORS MAY REQUEST HANDS FROM THE CITY TO ALLOW WORKERS TO PARK IN DESIGNATED AREAS WITHIN THE CITY PARKING DECKS.

DEPARTMENT OF PUBLIC UTILITIES – GENERAL NOTES

- A. 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.
- 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.

- 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, LINES/STOP 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, WATERLOUS 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 NEVER-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.
- 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.
- T. THE CONTRACTOR SHALL PROVIDE INTERNAL TELEVIEWED INSPECTION OF ALL INSTALLED SANITARY SEWER, LATERALS, MANHOLES AND CONNECTIONS TO THE PUBLIC SYSTEM. FOLLOWING COMPLETION OF TELEVIEWING WORK, THE CONTRACTOR SHALL SUBMIT VIDEO EVIDENCE ON DVD OR FLASH DRIVE ALONG WITH A COMPREHENSIVE TELEVIEWING 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-TELEVIEWED.
- 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.
- 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.
- Z. ALL BRASS COMPONENTS SHALL BE CERTIFIED TO BE LEAD FREE IN COMPLIANCE WITH NSF 61 AND NSF 372 AND IDENTIFIED WITH APPLICABLE MARKINGS.

PROJECT SPECIFICATIONS
AURORA AVENUE PROFESSIONAL BUILDING
NAPERVILLE, ILLINOIS

SHEET	
13 OF 14	
PROJECT NUMBER:	5268
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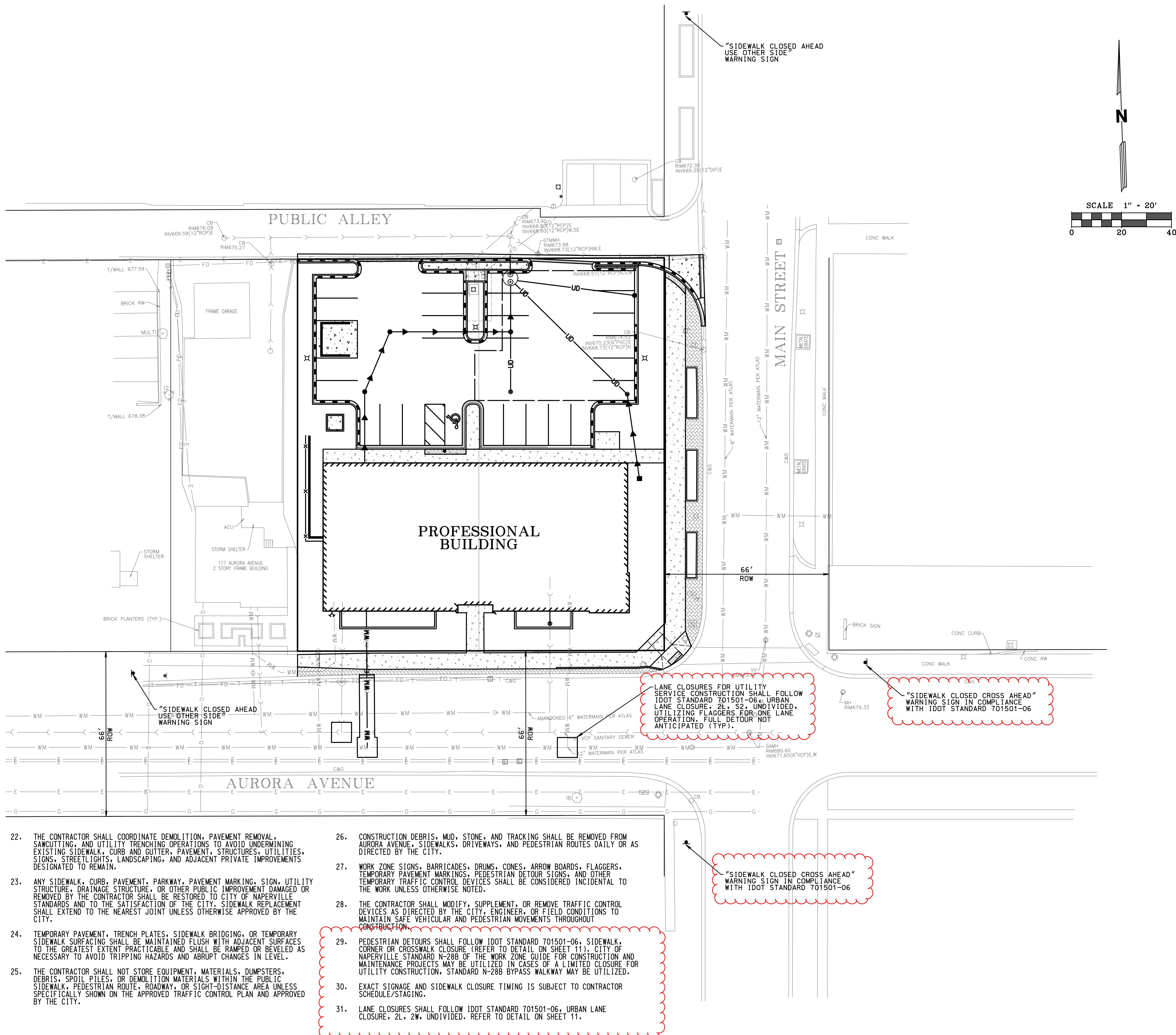
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TRAFFIC AND DETOUR PLAN GENERAL NOTES

1. WORK WITHIN AURORA AVENUE IS ONLY PERMITTED MONDAY THROUGH THURSDAY.
2. DURING SIDEWALK AND/OR PAVEMENT CONSTRUCTION, PEDESTRIANS SHALL BE ROUTED TO THE OPPOSITE SIDE OF THE ROAD TO AVOID CONFLICTS BETWEEN PEDESTRIANS AND CONSTRUCTION.
3. DURING AURORA AVE UTILITY CONSTRUCTION, PEDESTRIANS WILL BE ROUTED TO THE OPPOSITE SIDE OF THE ROAD TO AVOID CONFLICTS BETWEEN PEDESTRIANS AND CONSTRUCTION.
4. MAINTENANCE OF TRAFFIC - THE CONTRACTOR SHALL EMPLOY THE APPROPRIATE METHODS OF TRAFFIC CONTROL IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, SUCH THAT THE SAFETY OF VEHICLES, AND PEDESTRIANS IS PRESERVED AT ALL TIMES. THE ERECTION AND MAINTENANCE OF THE TRAFFIC CONTROL DEVICES SHALL BE TO THE SATISFACTION OF THE AGENCY OF JURISDICTION AND THE CITY ENGINEER.
5. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF NAPERVILLE DESIGN MANUAL, CITY OF NAPERVILLE STANDARD SPECIFICATIONS AND STANDARD DETAILS, CITY OF NAPERVILLE WORK ZONE GUIDE FOR CONSTRUCTION AND MAINTENANCE PROJECTS, AND THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AND THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
6. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED RIGHT-OF-WAY, UTILITY, DEMOLITION, AND/OR EXCAVATION PERMITS PRIOR TO BEGINNING WORK WITHIN AURORA AVENUE, THE PUBLIC SIDEWALK, PARKWAY, OR OTHER PUBLIC RIGHT-OF-WAY.
7. A MINIMUM OF 48 HOURS NOTICE SHALL BE GIVEN TO THE CITY OF NAPERVILLE PRIOR TO STARTING WORK, RESTARTING WORK AFTER AN EXTENDED STOPPAGE, IMPLEMENTING A LANE CLOSURE, OR MODIFYING THE APPROVED TRAFFIC CONTROL PLAN. CONTACT THE CITY OF NAPERVILLE AT 630-420-6100, OPTION 1, UNLESS OTHERWISE DIRECTED BY THE CITY.
8. THE CONTRACTOR SHALL SUBMIT A DETAILED TRAFFIC CONTROL PLAN TO THE CITY OF NAPERVILLE FOR REVIEW AND APPROVAL PRIOR TO BEGINNING WORK WITHIN OR ADJACENT TO AURORA AVENUE, THE PUBLIC SIDEWALK, OR ANY PUBLIC RIGHT-OF-WAY. TRAFFIC CONTROL SHALL BE MAINTAINED AND ADJUSTED AS NECESSARY THROUGHOUT CONSTRUCTION.
8. THE CONTRACTOR SHALL MAINTAIN SAFE AND CONTINUOUS ACCESS FOR PEDESTRIANS TO THE MAXIMUM EXTENT PRACTICABLE. WHERE THE EXISTING SIDEWALK IS CLOSED, THE CONTRACTOR SHALL PROVIDE A STABLE, ACCESSIBLE ALTERNATE PEDESTRIAN ROUTE OR TEMPORARY PEDESTRIAN BYPASS IN ACCORDANCE WITH MUTCD/IDOT REQUIREMENTS AND CURRENT ADA/PROWAG REQUIREMENTS.
9. TEMPORARY PEDESTRIAN ROUTES SHALL BE FIRM, STABLE, SLIP-RESISTANT, DETECTABLE, AND FREE OF ABRUPT VERTICAL CHANGES, OPEN HOLES, CONSTRUCTION DEBRIS, MUD, LOOSE STONE, EQUIPMENT, AND OTHER HAZARDS. TEMPORARY PEDESTRIAN SURFACING SHALL CONSIST OF A HARD SURFACE MATERIAL. STONE OR GRAVEL PEDESTRIAN SURFACES SHALL NOT BE PERMITTED.
10. TEMPORARY PEDESTRIAN ROUTES SHALL BE CLEARLY DELINEATED WITH BARRICADES, FENCING, DRUMS, CONES, TEMPORARY CURB, PEDESTRIAN CHANNELIZING DEVICES, OR OTHER APPROVED DEVICES. PEDESTRIANS SHALL NOT BE DIRECTED INTO AN ACTIVE WORK AREA, EXCAVATION, EQUIPMENT PATH, OR UNPROTECTED TRAFFIC LANE.
11. WHERE PEDESTRIAN TRAFFIC IS DETOURED ACROSS AURORA AVENUE OR ANOTHER ROADWAY, THE DETOUR SHALL UTILIZE EXISTING ACCESSIBLE CURB RAMP AND CROSSWALKS WHERE FEASIBLE. IF EXISTING ACCESSIBLE CROSSINGS ARE NOT AVAILABLE, THE CONTRACTOR SHALL PROVIDE TEMPORARY ACCESSIBLE RAMPS, DETECTABLE EDGES, AND APPROPRIATE PEDESTRIAN SIGNING AS APPROVED BY THE CITY.
12. SIDEWALK CLOSURES SHALL BE SIGNED IN ADVANCE OF THE CLOSURE AT THE NEAREST PRACTICAL PEDESTRIAN DECISION POINT, SUCH AS AN INTERSECTION, CROSSWALK, DRIVEWAY CROSSING, OR OTHER LOCATION WHERE PEDESTRIANS CAN REASONABLY CHOOSE AN ALTERNATE ROUTE. MID-BLOCK SIDEWALK CLOSURES SHALL INCLUDE ADVANCE PEDESTRIAN DETOUR SIGNING AS REQUIRED.
13. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS TO ADJACENT PROPERTIES, BUILDING ENTRANCES, PARKING AREAS, TRANSIT STOPS, AND DRIVEWAYS UNLESS OTHERWISE APPROVED BY THE CITY AND COORDINATED WITH THE AFFECTED PROPERTY OWNER OR TENANT.
14. LANE CLOSURES ON ARTERIAL ROADWAYS SHALL NOT OCCUR BETWEEN 6:00 A.M. AND 9:00 A.M. OR BETWEEN 3:00 P.M. AND 7:00 P.M., UNLESS SPECIFICALLY APPROVED BY THE CITY OF NAPERVILLE. ANY WORK IN A TRAFFIC LANE ON AN ARTERIAL ROADWAY SHALL INCLUDE AN ARROW BOARD AND SHALL BE COORDINATED WITH THE CITY A MINIMUM OF 48 HOURS IN ADVANCE.
15. THE CONTRACTOR SHALL MAINTAIN TWO-WAY TRAFFIC ON AURORA AVENUE UNLESS A LANE CLOSURE, FLAGGING OPERATION, OR DETOUR IS SPECIFICALLY SHOWN ON THE APPROVED TRAFFIC CONTROL PLAN AND APPROVED BY THE CITY. FLAGGERS SHALL BE USED WHERE REQUIRED BY THE APPROVED TRAFFIC CONTROL PLAN, MUTCD/IDOT STANDARDS, OR FIELD CONDITIONS.
16. TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PRIOR TO BEGINNING WORK AND SHALL REMAIN IN PLACE UNTIL THE WORK AREA IS RESTORED AND SAFE FOR NORMAL VEHICULAR AND PEDESTRIAN USE. DEVICES SHALL BE MAINTAINED IN CLEAN, UPRIGHT, RETROREFLECTIVE, AND SERVICEABLE CONDITION AT ALL TIMES.
17. ALL EXCAVATIONS, UTILITY TRENCHES, PAVEMENT OPENINGS, DEMOLITION AREAS, AND SIDEWALK REMOVALS WITHIN OR ADJACENT TO PEDESTRIAN OR VEHICULAR ROUTES SHALL BE PROTECTED AT ALL TIMES WITH APPROVED BARRICADES, FENCING, PLATING, TEMPORARY PAVEMENT, OR OTHER PROTECTIVE MEASURES. OPEN EXCAVATIONS SHALL NOT BE LEFT UNPROTECTED.
18. UTILITY CONSTRUCTION WITHIN AURORA AVENUE SHALL BE STAGED TO MINIMIZE IMPACTS TO TRAFFIC, PEDESTRIANS, DRIVEWAYS, AND ADJACENT PROPERTIES. THE CONTRACTOR SHALL COORDINATE UTILITY SHUTDOWNS, CONNECTIONS, TESTING, INSPECTIONS, AND RESTORATION WITH THE CITY OF NAPERVILLE AND AFFECTED UTILITY OWNERS.
19. THE CONTRACTOR SHALL CONTACT JULIE AT 811 OR 800-892-0123 PRIOR TO EXCAVATION AND SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES. THE CONTRACTOR SHALL POTHOLE OR OTHERWISE FIELD VERIFY UTILITY CROSSINGS AND POTENTIAL CONFLICTS PRIOR TO CONSTRUCTION.
20. ACCESS TO FIRE HYDRANTS, VALVE VAULTS, VALVE BOXES, MANHOLES, DRAINAGE STRUCTURES, UTILITY POLES, HANDHOLES, METERS, AND OTHER UTILITY APPURTENANCES SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE AFFECTED UTILITY OWNER.
21. DRIVEWAY ACCESS SHALL BE MAINTAINED TO THE MAXIMUM EXTENT PRACTICABLE. ANY TEMPORARY DRIVEWAY CLOSURES SHALL BE COORDINATED WITH THE AFFECTED PROPERTY OWNER, TENANTS, EMERGENCY SERVICES, WASTE HAULERS, AND DELIVERY SERVICES AS APPLICABLE.



22. THE CONTRACTOR SHALL COORDINATE DEMOLITION, PAVEMENT REMOVAL, SAWCUTTING, AND UTILITY TRENCHING OPERATIONS TO AVOID UNDERMINING EXISTING SIDEWALK, CURB AND GUTTER, PAVEMENT, STRUCTURES, UTILITIES, SIGNS, STREETLIGHTS, LANDSCAPING, AND ADJACENT PRIVATE IMPROVEMENTS DESIGNATED TO REMAIN.
23. ANY SIDEWALK, CURB, PAVEMENT, PARKWAY, PAVEMENT MARKING, SIGN, UTILITY STRUCTURE, DRAINAGE STRUCTURE, OR OTHER PUBLIC IMPROVEMENT DAMAGED OR REMOVED BY THE CONTRACTOR SHALL BE RESTORED TO CITY OF NAPERVILLE STANDARDS AND TO THE SATISFACTION OF THE CITY. SIDEWALK REPLACEMENT SHALL EXTEND TO THE NEAREST JOINT UNLESS OTHERWISE APPROVED BY THE CITY.
24. TEMPORARY PAVEMENT, TRENCH PLATES, SIDEWALK BRIDGING, OR TEMPORARY SIDEWALK SURFACING SHALL BE MAINTAINED FLUSH WITH ADJACENT SURFACES TO THE GREATEST EXTENT PRACTICABLE AND SHALL BE RAMPED OR BEVELED AS NECESSARY TO AVOID TRIPPING HAZARDS AND ABRUPT CHANGES IN LEVEL.
25. THE CONTRACTOR SHALL NOT STORE EQUIPMENT, MATERIALS, DUMPSTERS, DEBRIS, SPOIL PILES, OR DEMOLITION MATERIALS WITHIN THE PUBLIC SIDEWALK, PEDESTRIAN ROUTE, ROADWAY, OR SIGHT-DISTANCE AREA UNLESS SPECIFICALLY SHOWN ON THE APPROVED TRAFFIC CONTROL PLAN AND APPROVED BY THE CITY.

26. CONSTRUCTION DEBRIS, MUD, STONE, AND TRACKING SHALL BE REMOVED FROM AURORA AVENUE, SIDEWALKS, DRIVEWAYS, AND PEDESTRIAN ROUTES DAILY OR AS DIRECTED BY THE CITY.
27. WORK ZONE SIGNS, BARRICADES, DRUMS, CONES, ARROW BOARDS, FLAGGERS, TEMPORARY PAVEMENT MARKINGS, PEDESTRIAN DETOUR SIGNS, AND OTHER TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE CONSIDERED INCIDENTAL TO THE WORK UNLESS OTHERWISE NOTED.
28. THE CONTRACTOR SHALL MODIFY, SUPPLEMENT, OR REMOVE TRAFFIC CONTROL DEVICES AS DIRECTED BY THE CITY, ENGINEER, OR FIELD CONDITIONS TO MAINTAIN SAFE VEHICULAR AND PEDESTRIAN MOVEMENTS THROUGHOUT CONSTRUCTION.
29. PEDESTRIAN DETOURS SHALL FOLLOW IDOT STANDARD 701501-06, SIDEWALK, CORNER OR CROSSWALK CLOSURE (REFER TO DETAIL ON SHEET 11). CITY OF NAPERVILLE STANDARD N-28B OF THE WORK ZONE GUIDE FOR CONSTRUCTION AND MAINTENANCE PROJECTS MAY BE UTILIZED IN CASES OF A LIMITED CLOSURE FOR UTILITY CONSTRUCTION, STANDARD N-28B BYPASS WALKWAY MAY BE UTILIZED.
30. EXACT SIGNAGE AND SIDEWALK CLOSURE TIMING IS SUBJECT TO CONTRACTOR SCHEDULE/STAGING.
31. LANE CLOSURES SHALL FOLLOW IDOT STANDARD 701501-06, URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED. REFER TO DETAIL ON SHEET 11.



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**TRAFFIC CONTROL & DETOUR PLAN
AURORA AVENUE PROFESSIONAL BUILDING
NAPERVILLE, ILLINOIS**

SHEET
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PROJECT NUMBER: 5268
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