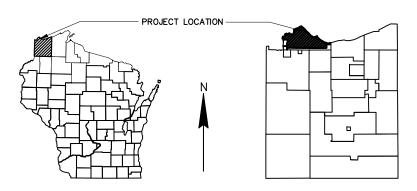
CITY OF SUPERIOR, WISCONSIN

ENVIRONMENTAL SERVICES DIVISION PUBLIC WORKS 39TH AVENUE EAST SANITARY SEWER REPLACEMENT

CONSTRUCTION PLAN FOR: REMOVAL OF EXISTING SANITARY SEWER, INSTALLATION OF NEW SEWER.



SHEET INDEX

- TITLE
- ESTIMATED QUANTITIES
- PROJECT OVERVIEW
- TYPICAL SECTIONS
- REMOVALS -7 PLAN & PROFILE
- -9 STANDARD DETAIL DRAWINGS

EXISTING WATER MAIN EXISTING RIGHT-OF-WAY OVERHEAD ELECTRIC PROPOSED SAWCUT POWER POLE DECIDUOUS TREE CONIFER TREE

EXISTING GAS MAIN

LEGEND

UTILITIES

SUPERIOR WATER, LIGHT & POWER CO.

GAS & WATER TROY AUNE 2915 HILL AVENUE P.O. BOX 519 SUPERIOR, WI 54880 218-395-6346 TAUNE@SWLP.COM

SUPERIOR WATER, LIGHT & POWER CO.

ELECTRIC
AARON ANDERSON
2915 HILL AVENUE
P.O. BOX 519
SUPERIOR, WI 54880
715-395-6227
ASANDERSON@SWLP.COM

CENTURYLINK

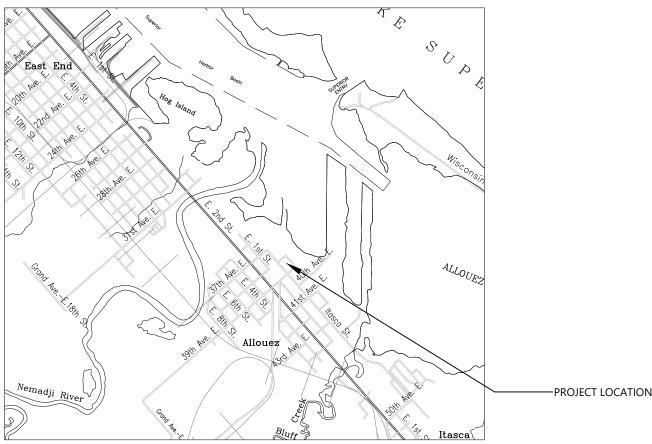
RUSSELL VANCE 135 N. 21ST STREET SUPERIOR, WI 54880 715-392-0045 RUSSELL.VANCE@CENTURYLINK.COM

CITY OF SUPERIOR PUBLIC WORKS

TODD JANIGO 1316 NORTH 14TH STREET SUPERIOR, WI 54880 715-395-7373 JANIGOT@CI.SUPERIOR.WI.US

CITY OF SUPERIOR

ENVIRONMENTAL SERVICES DIVISION (SANITARY & STORM) ERIN ABRAMSON 51 EAST 1ST STREET SUPERIOR, WI 54880 715-394-0392 ABRAMSONE@CI.SUPERIOR.WI.US



LOCATION MAP

CITY OF SUPERIOR NO SCALE

GOVERNING SPECIFICATIONS:
THE STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN, SIXTH EDITION WITH ADDENDUM NO. 1 AND NO. 2 AND THE STATE OF WISCONSIN, DEPARTMENT OF TRANSPORTATION (WI DOT) STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, CURRENT EDITION SHALL GOVERN THIS PROJECT

DESIGN TEAM: BRETT GUNDERSON



NOTE:

THE LOCATION OF EXISTING UNDERGROUND UTILITIES SHOWN ON PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

CITY OF SUPERIOR, WI - ENVIRONMENTAL SERVICES DIVISION OF PUBLIC WORKS

TITLE

DRAWN: BG PLOT: 1/8/2020 SHEET 1 OF 9

39TH AVENUE EAST SANITARY SEWER REPLACEMENT

APPROVED: EA ADDENDUM: (N/A)

Notes	ITEM	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY
	204.0110	REMOVING ASPHALITC SURFACE	SY	122
5	204.0155	REMOVING CONCRETE SIDEWALK	SY	2
	204.0210	REMOVING MANHOLES	EA	2
1	205.0100	EXCAVATION COMMON (P)	CY	363
1	305.0125	BASE AGGREAGE DENSE 1 1/4 INCH (P)	CY	145
1	312.0115	SELECT CRUSHED MATERIAL (P)	CY	217
2,3,4,7	465.0105	ASPHALTIC SURFACE	TON	66
6	602.0405	CONCRETE SIDEWALK 4-INCH	SF	36
	619.1000	MOBILIZATION	EA	1
	643.5000	TRAFFIC CONTROL	EA	1
	690.0150	SAWING ASPHALT	LF	36
	SPV.0060.01	SANITARY SEWER CASTING	EA	2
	SPV.0060.02	SANITARY MANHOLE 48-INCH	EA	2
	SPV.0060.03	CONNECT TO EXISTING SANITARY SEWER (COLLAR)	EA	1
	SPV.0060.04	CONNECT TO EXISTING SANITARY SERVICE, 6-Inch	EA	8
	SPV.0090.01	REMOVING SEWER PIPE 10-INCH	LF	458
	SPV.0090.02	SANITARY SEWER MAIN 10-INCH	LF	458
	SPV.0090.03	SEWER FIELD QUALITY CONTROL - TELEVISING	LF	458
	SPV.0090.04	SEWER FIELD QUALITY CONTROL - DEFLECTION TEST	LF	452
	SPV.0105.01	CONSTRUCTION STAKING	LS	1
	SPV.0180.01	TOPSOIL	SY	164
	SPV. 0180.02	HYDROSEEDING	SY	164

NOTES:	
1	TO BE PAID AS COMPACTED IN PLACE VOLUME
2	CALCULATED AT A RATE OF 120 LB PER SQUARE YARD-INCH
3	SHALL CONFORM TO REQUIREMENTS OF HMA PAVEMENT TYPE 3 LT 58-34 S & 4 LT 58-34 S
4	TACK COAT INCIDENTAL
5	CONCRETE SIDEWALK SAWCUTS INCIDENTAL
6	AGGREGATE BASE INCIDENTAL
7	ASPHALT TO BE LAID AT A DEPTH OF 4 INCHES



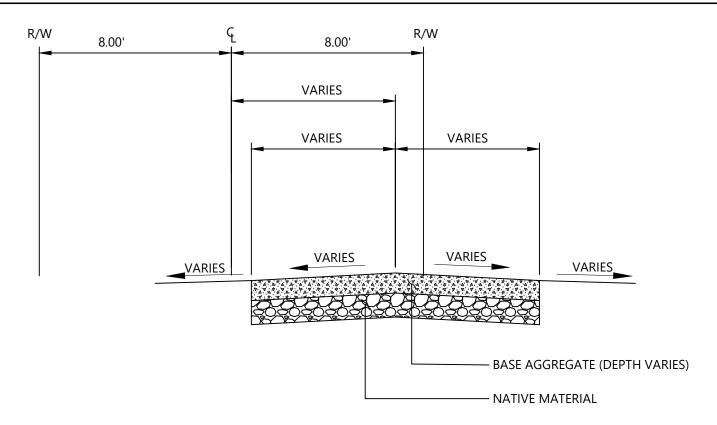
GENERAL NOTES:

- 1. INSTALLATION AND MATERIALS FOR ALL SANITARY AND STORM SEWER PIPES AND STRUCTURES SHALL CONFORM TO THE REQUIREMENTS OF THE CITY OF SUPERIOR MINIMUM STANDARDS FOR GRAVITY SEWER CONSTRUCTION.
 2. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE
- 3. CONTRACTOR TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. ANY REQUIRED UTILITY RELOCATION WORK SHALL BE COORDINATED BY THE CONTRACTOR.
- 4. ALL AREAS OUTSIDE OF THE PROJECT LIMITS SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION AT NO ADDITIONAL COST TO THE CITY. THIS SHALL INCLUDE CONTRACTOR STAGING AREAS FOR EQUIPMENT AND MATERIALS.

 5. ALL ASPHALT SURFACES SHALL BE SAWCUT FULL DEPTH BEFORE REMOVAL WHERE ABUTTING LIKE SURFACE MATERIAL.

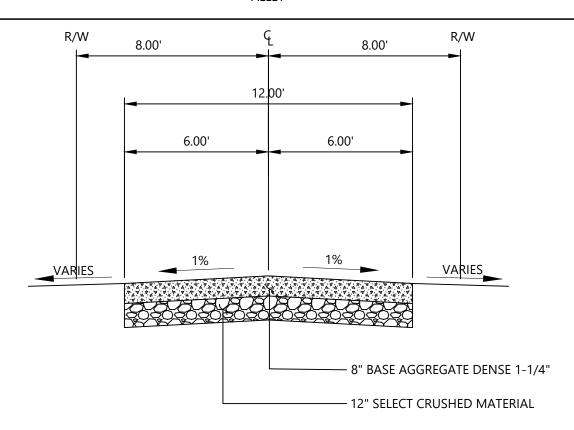
CONTROL POINTS						
POINT NAME	NORTHING	EASTING	ELEVATION	DESCRIPTION		
CP1	294601.784	167291.051	634.95	Mag nail in wooden stake		
CP2	294733.499	167155.133	634.741	mag nail in wooden stake		
CP3	294451.504	167459.935	632.777	MAG NAIL IN WOODEN STAKE		

Ī	1	CITY OF SUPERIOR, WI - ENVIRONMENTAL SERVICES DIVISION OF PUBLIC WORKS	PROJECT OVERVIEW	DRAWN:	BG	PLOT: 1/8/2020	SHEET 3 OF 9
S	SUPERIOR	39TH AVENUE EAST SANITARY SEWER REPLACEMENT		APPROVED:	EA		ADDENDUM: (N/A)



TYPICAL EXISTING SECTION

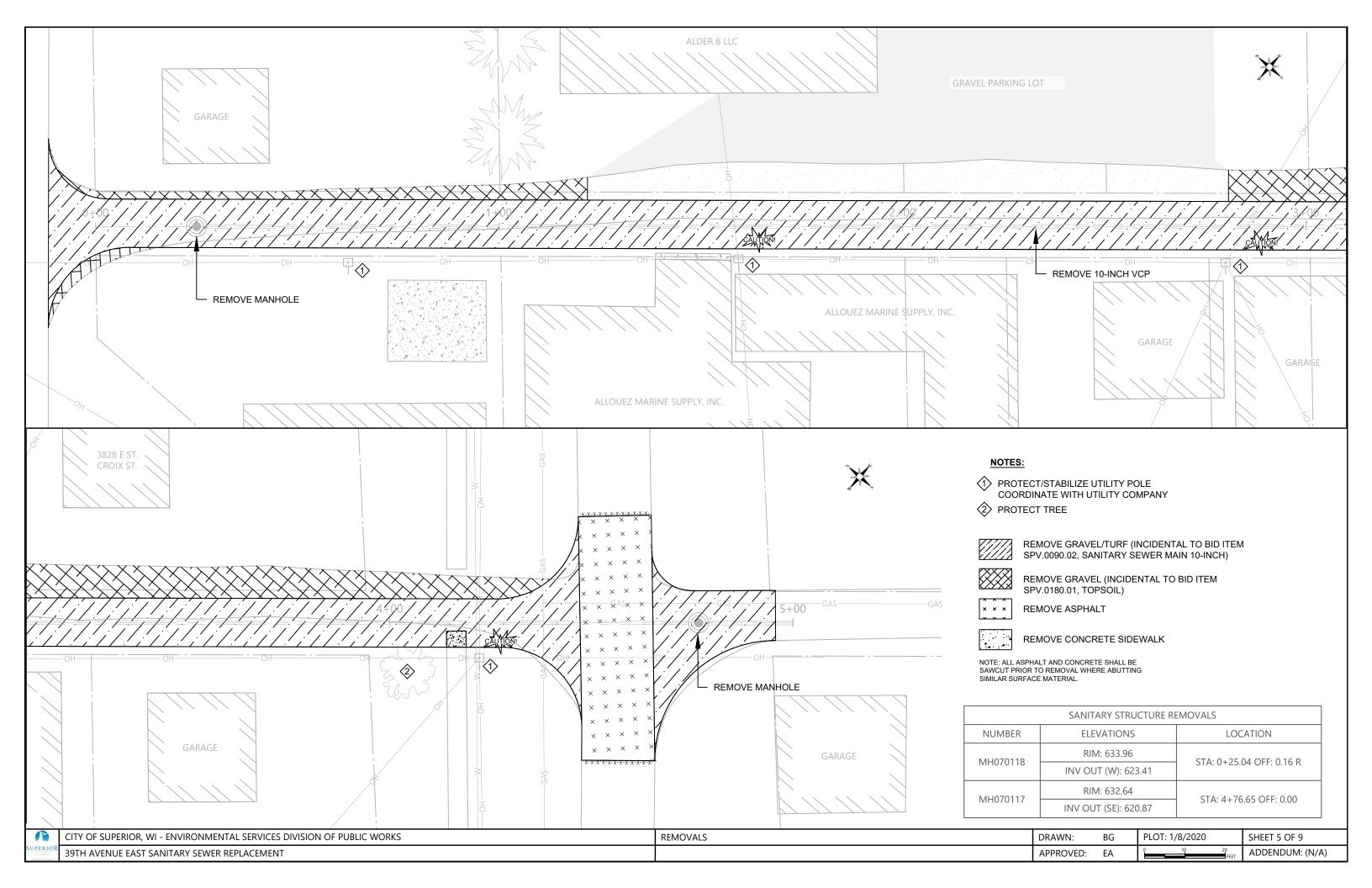
ALLEY

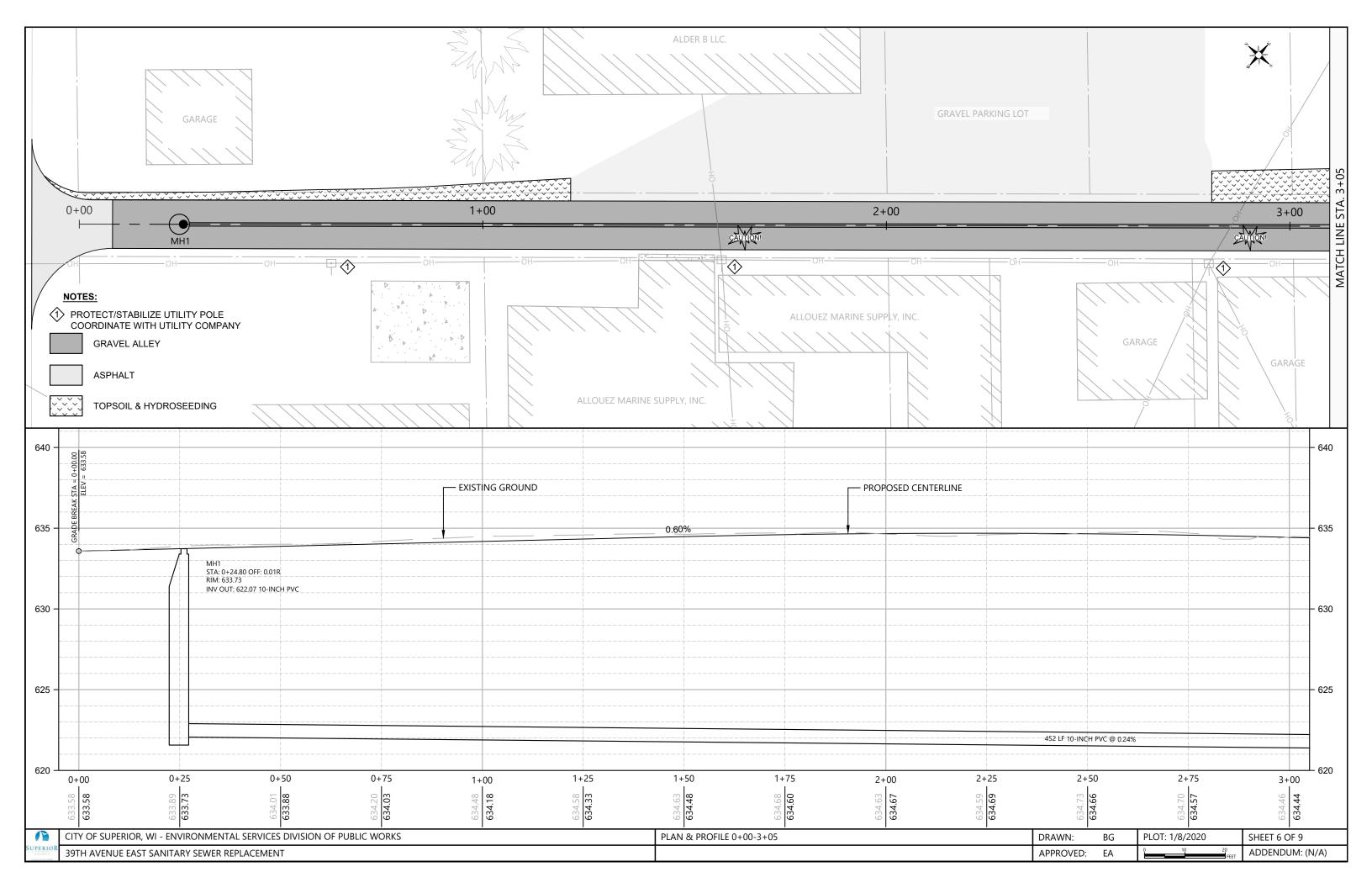


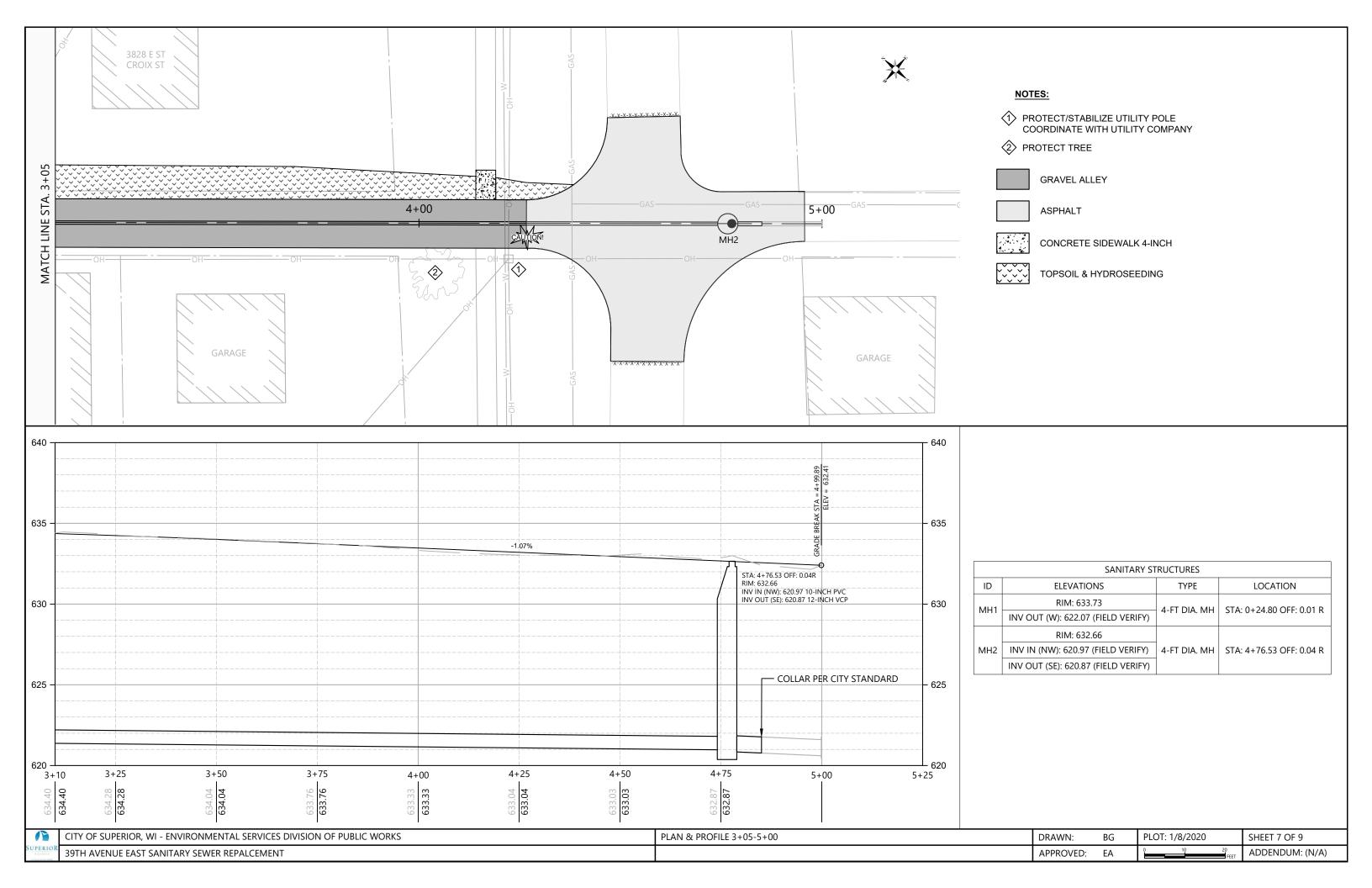
TYPICAL FINISHED SECTION

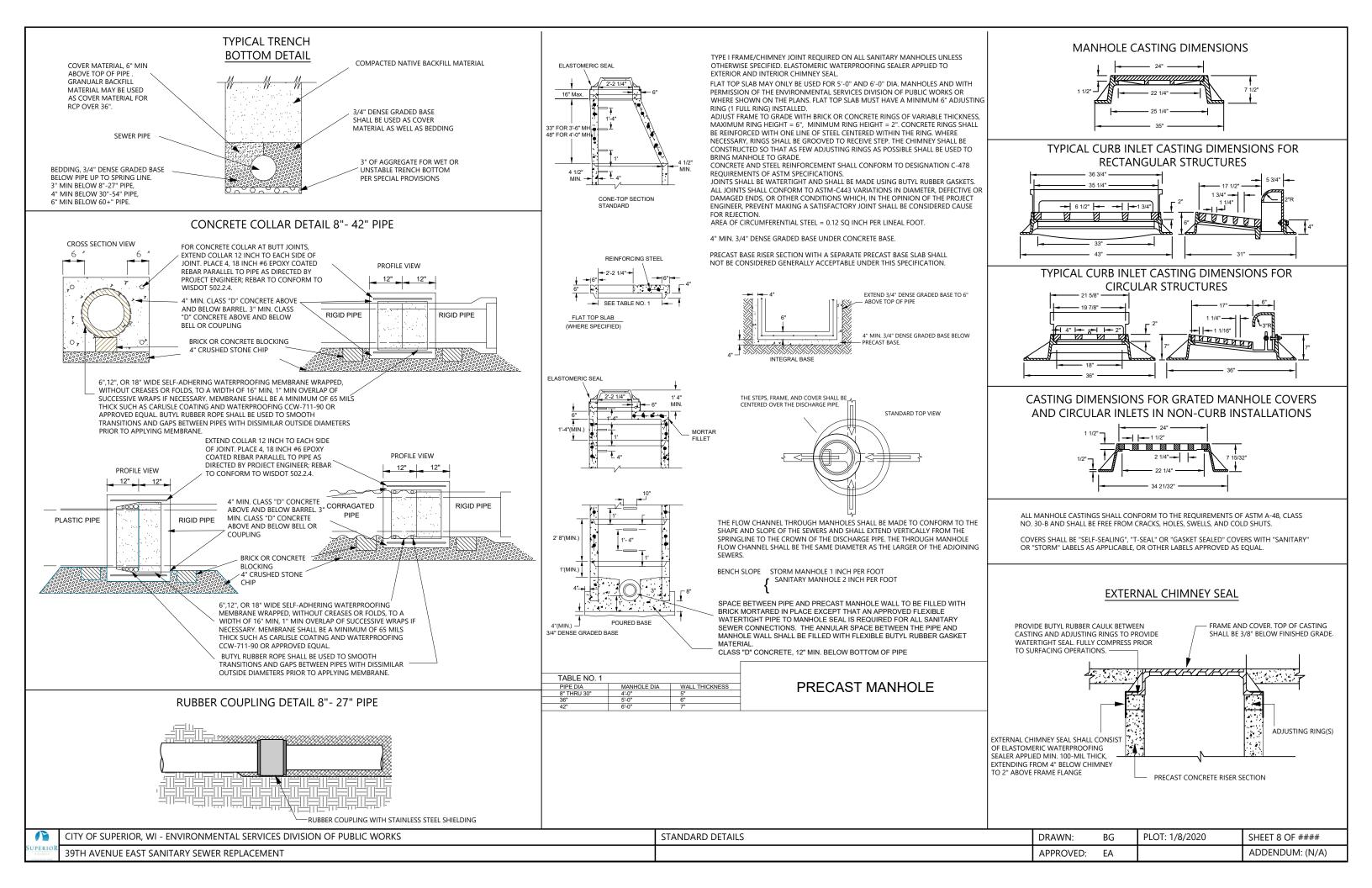
ALLEY

	CITY OF SUPERIOR, WI - ENVIRONMENTAL SERVICES DIVISION OF PUBLIC WORKS	TYPICAL SECTIONS	DRAWN:	BG	PLOT: 1/8/2020	SHEET 4 OF 9
SUPERI	39TH AVENUE EAST SANITARY SEWER REPLACEMENT		APPROVED:	EA	0 2 4 FEET	ADDENDUM: (N/A)









6

D

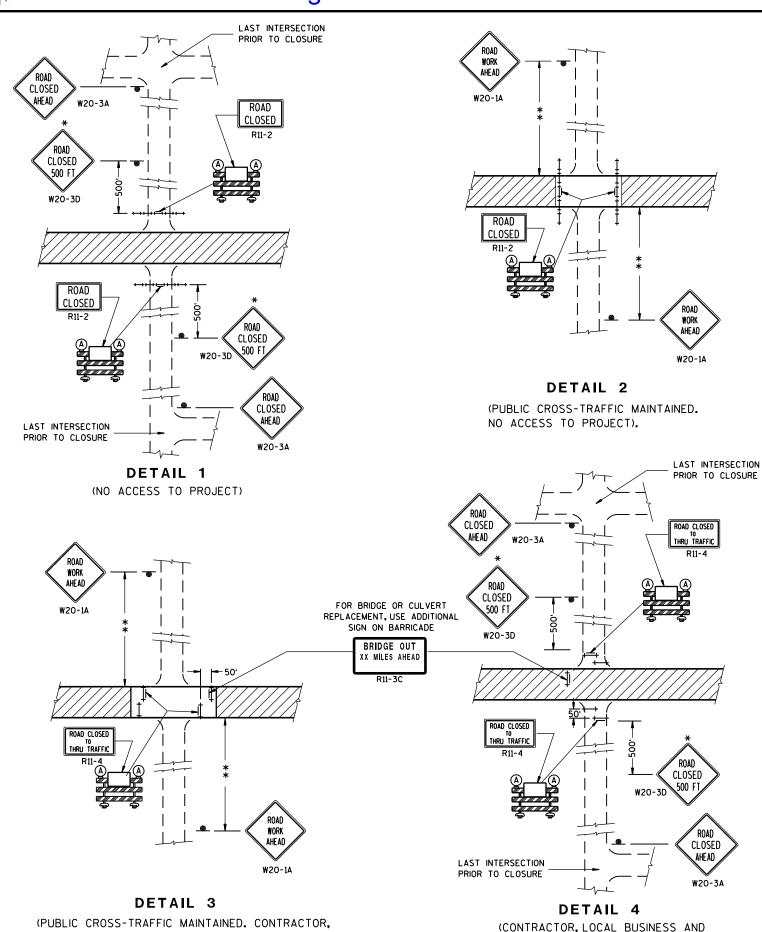
D

15

C

LOCAL BUSINESS AND RESIDENT ACCESS).

15C3: Barricades and Signs for Sideroad Closures



RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY. SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW: R11-2 SHALL BE 48" X 30". R11-4 AND R11-3 SHALL BE 60" X 30".

> *OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

**500'MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE

TYPE III BARRICADE WITH ATTACHED SIGN

(A) TYPE "A" WARNING LIGHT (FLASHING)

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2015 /S/ Peter Amakobe Atepe STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

SHEET 9 OF 9

က

Ω