CITY OF SUPERIOR DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

POPLAR AVENUE STORM SEWER AND WETLAND BASIN PROJECT

(BELKNAP ST. - 12TH ST.)

LOCAL STREET **DOUGLAS COUNTY**

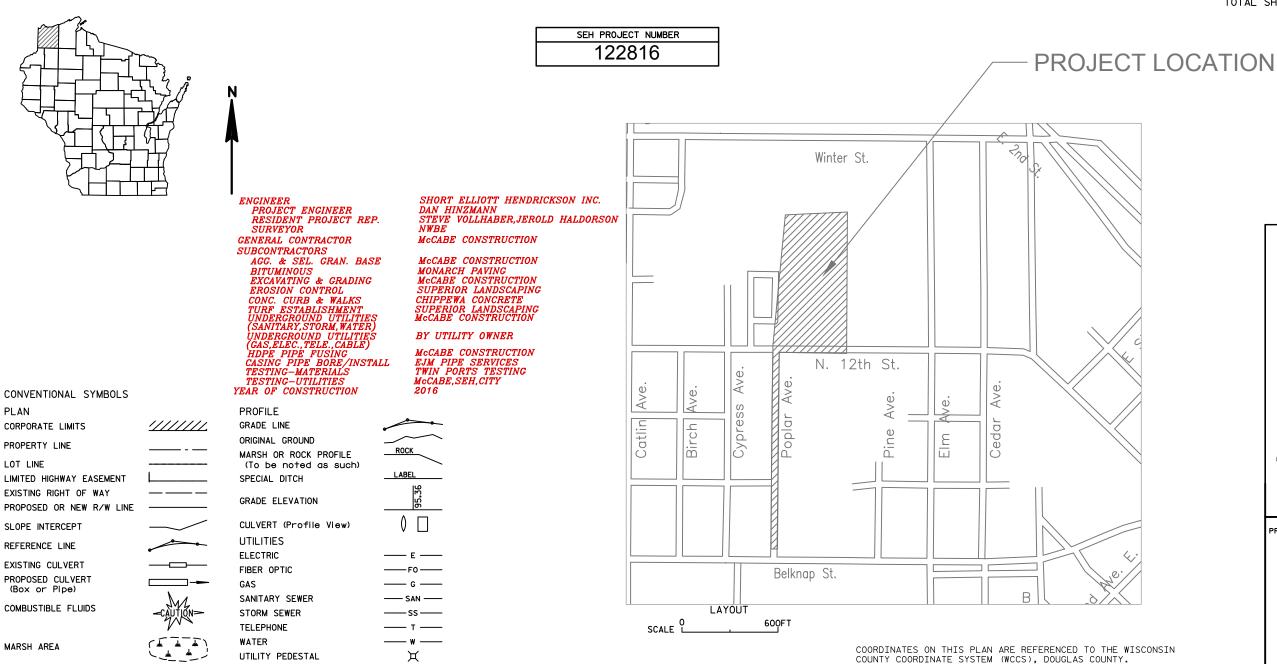


TABLE OF CONTENTS

SHEET #	SHEET DESCRIPTION
1	TITLE SHEET
2	GENERAL NOTES
3	PROJECT OVERVIEW
4	ALIGNMENT PLANS
5-6	STATEMENT OF ESTIMATED QUANTITIES
7	WATER TABULATIONS
8-12	CONSTRUCTION DETAILS
13	INTERSECTION DETAILS
14-15	TYPICAL SECTIONS
16-18	EROSION CONTROL PLANS
19-20	STORM WATER BASIN PLANS
21-24	SANITARY SEWER PLANS
25-28	STORM SEWER PLANS
29-32	WATER PLANS
33	TRAFFIC CONTROL PLAN
34-35	SIGNING AND STRIPING PLANS
(NONE)	STANDARD DETAIL SHEETS
TOTAL	SHEETS = 35 (EXCLUDES STANDARD

CHEET DESCRIPTION

TOTAL SHEETS = DETAIL SHEETS)

WIS/DOT DETAILS NOT INCLUDED





REPARED BY	
Surveyor	KA
Designer	AO/DB
Project Manager	DH
•	

RECORD DRAWINGS UPDATED 01/2017

Ε

POWER POLE

TELEPHONE POLE

Ø

WOODED OR SHRUB AREA

GENERAL NOTES

THE LOCATION OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN

CONTRACTOR TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. ANY REQUIRED UTILITY WORK SHALL BE COORDINATED BY THE CONTRACTOR

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER OUTSIDE OF THOSE SPECIFIED IN THIS PLAN

CURVE DATA IS BASED ON THE ARC DEFINITION

A VERTICAL SAWCUT SHALL BE MADE THROUGH EXISTING DRIVEWAYS AND PAVEMENTS AT REMOVAL LIMITS.

ALL MANHOLE AND INLET STATION, OFFSET, AND ELEVATION NOTATIONS SHOWN REFER TO THE CENTER OF STRUCTURE, RIM ELEVATIONS SHOWN FOR INLETS ARE FOR THE DEPRESSED GUTTER FLOW LINE (7" LOWER THAN TOP OF CURB FLEVATION)

ALL STORM SEWER INVERTS, ELEVATIONS, PIPE LENGTHS AND GRADES ARE COMPUTED CENTER-TO-CENTER OF THE STRUCTURES.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), DOUGLAS COUNTY

ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS

TOPSOIL (SALVAGED MAY BE USED IF IT MEETS THE REQUIREMENTS TOPSOIL IN THE STANDARD SPECIFICATIONS), SEED, FERTILIZE, AND MULCH ALL DISTURBED AREAS. NO PAYMENT SHALL BE MADE FOR DISTURBED AREAS USED FOR CONTRACTOR STAGING OF MATERIALS OR EQUIPMENT OR CONTRACTOR CONVENIENCE.

ABUT

CO

CP CR

CWT

CY

DG DHV

DIA

CONC

ABUTMENT AVERAGE DAILY TRAFFIC ADT AEW APRON ENDWALL APPRY APPROXIMATELY ASPH ASPHALTIC AVENUE ΑV BLDG BUILDING BOULEVARD BLVD BENCHMARK **BRIDGE** CURVE PC PCC CABC CRUSHED AGGREGATE BASE COURSE CATCH BASIN PCC CB CENTER-TO-CENTER
COMMERCIAL ENTRANCE CC PCP CE PE C&G CURB AND GUTTER C/L, CMP CENTERLINE

CORRUGATED METAL PIPE COUNTY CONCRETE CULVERT PIPE PSD CREEK **COUNTY TRUNK HIGHWAY** HUNDREDWEIGHT CUBIC YARD DEGREE OF CURVE DIRECTIONAL DISTRIBUTION DITCH GRADE DESIGN HOUR VOLUME DIAMETER DRIVEWAY EAST GROUND COORDINATE **EAST** UNDER GROUND ELECTRIC EACH EASTBOUND

EB EBS **EXCAVATION BELOW SUBGRADE** ELEV **ELEVATION** EQUIVALENT SINGE AXLE LOADS ESALS **ENDWALL** EW EXIST EXISTING FE FERT FIELD ENTRANCE **FERTILIZE** FACE TO FACE FLAG LINE FLOW LINE FO FIBER OPTIC FEET GAS G GN **GRID NORTH** GRAV GRAVEL GATE VALVE ha HR **HECTARE** HANDICAP RAMP HV HIGH VOLUME HYD **HYDRANT** ID INL INSIDE DIAMETER INLET

INVERT IRON PIPE OR PIN KILOGRAM kg km KILOMETER kPa KILOPASCAL LITER LENGTH OF CURVE POUND LONG CHORD OF CURVE LINEAR FOOT LHE LIMITED HIGHWAY EASEMENT LEFT-HAND FORWARD LS LUMP SUM LEFT LOW VOLUME LV METER SQUARE METER m2 CUBIC METER MAX MAXIMUM

SEH PROJECT NO: SUPER 122816

MEGAGRAM MANHOLE

MIN MINIMUM MILLIMETER

M/L MATCHLINE MV MEDIUM VOLUME NORTH GROUND COORDINATE

NB NO NORTHBOUND NUMBER NOM NOMINAL

DESIGN CONTACT

DIGGERS HOTLINE

TELEPHONE: 811

UTILITY CONTACTS

2915 HILL AVENUE

P.O. BOX 519

418 WEST SUPERIOR ST

DULUTH, MN 55802-1512 TELEPHONE 218,279,3000

ATTENTION: DAN HINZMANN

EMAIL: DHINZMANN@SEHINC.COM

2040 WEST WISCONSIN AVENUE

MILWAUKEE, WISCONSIN 53233

SUPERIOR, WISCONSIN 54880

TELEPHONE: 715.395.6288

ATTENTION: JAMIE MEHLE

EMAIL: JMEHLE@SWLP.COM

CHARTER COMMUNICATIONS 302 E. SUPERIOR STREET

DULUTH, MINNESOTA 55802

ATTENTION: ALAN SEIFERT

SUPERIOR, WISCONSIN 54880

CENTURYTEL SERVICE GROUP

SUPERIOR, WISCONSIN 54880

ATTENTION: ARNOLD MILLER

ONE WILLIAMS CENTER

TELEPHONE: 918.574.7464

ATTENTION: CYNTHIA PIERCE

TULSA, OK 74172

MD 27-2

MAGELLEN PIPELINE COMPANY, LP

EMAIL: PUBLICWORKS@CI.SUPERIOR.WI.US

ENGINEERING TELEPHONE: 715.392.0033

EMAIL: ARNOLD.MILLER@CENTURYTEL.COM

EMAIL: CYNTHIA.PIERCE@MAGELLENLP.COM

TELEPHONE: 715.935.7334

ATTENTION: TODD JANIGO

CITY OF SUPERIOR

135 N. 21ST STREET

PUBLIC WORKS

SUPERIOR WATER, LIGHT & POWER CO.

SEH INC.

SUITE 200

SUITE 10

NOR OD NORMAL OUTSIDE DIAMETER OGBC OPEN GRADED BASE COURSE PAVT PAVEMENT POINT OF CURVATURE

POINT OF COMPOUND CURVATURE PORTLAND CEMENT CONCRETE PIPE CATTLE PASS PRIVATE ENTRANCE POINT OF INTERSECTION PARKER-KALON NAIL

PL PLE PROPERTY LINE PERMANENT LIMITED EASEMENT POC POINT ON CURVE POT POINT ON TANGENT PRC POINT OF REVERSE CURVATURE

PASSING SIGHT DISTANCE PT PT POINT OF TANGENT PVC POINT OF VERTICAL CURVATURE PVC POLYVINYL CHLORIDE POINT OF VERTICAL INTERSECTION PVI P\/T POINT OF VERTICAL TANGENT

RADIUS RIVER RCCP RD REINFORCED CONCRETE CULVERT PIPE ROAD

RCPS REINFORCED CONCRETE PIPE STORM SEWER RESIDENCE OR RESIDENTIAL RIGHT-HAND FORWARD RES RHF RADIUS POINT

RP RP RR REFERENCE POINT RAILROAD RT **RIGHT** REFERENCE LINE R/W RIGHT-OF-WAY SOUTH SAN SANITARY SEWER SANITARY SEWER SERVICE

SAN S SB SDD SOUTHBOUND STANDARD DETAIL DRAWINGS SQUARE FEET SHLDR SHOULDER SQ SQUARE

SS STORM SEWER SSD STA STOPPING SIGHT DISTANCE STATION STH STATE TRUNK HIGHWAY SW SIDEWALK SY SQUARE YARD TANGENT TELEPHONE TC TEMP TOP OF CURB **TEMPORARY** TLE

TEMPORARY LIMITED EASEMENT TOP OF CASTING

TOC TYP TYPICAL UG UNDERGROUND CABLE USH UNITED STATES HIGHWAY DESIGN SPEED VAR

VARIABLE VERTICAL CURVE VC VP VITRIFIED CLAY PIPE W WB WEST WESTBOUND WATER MAIN WS WATER SERVICE

WV WATER VALVE EAST GRID COORDINATE NORTH GRID COORDINATE

POPLAR AVENUE

CITY OF SUPERIOR

GENERAL NOTES

SHEET

RECORD DRAWINGS

NO SHEET CHANGES

UPDATED 01/2017

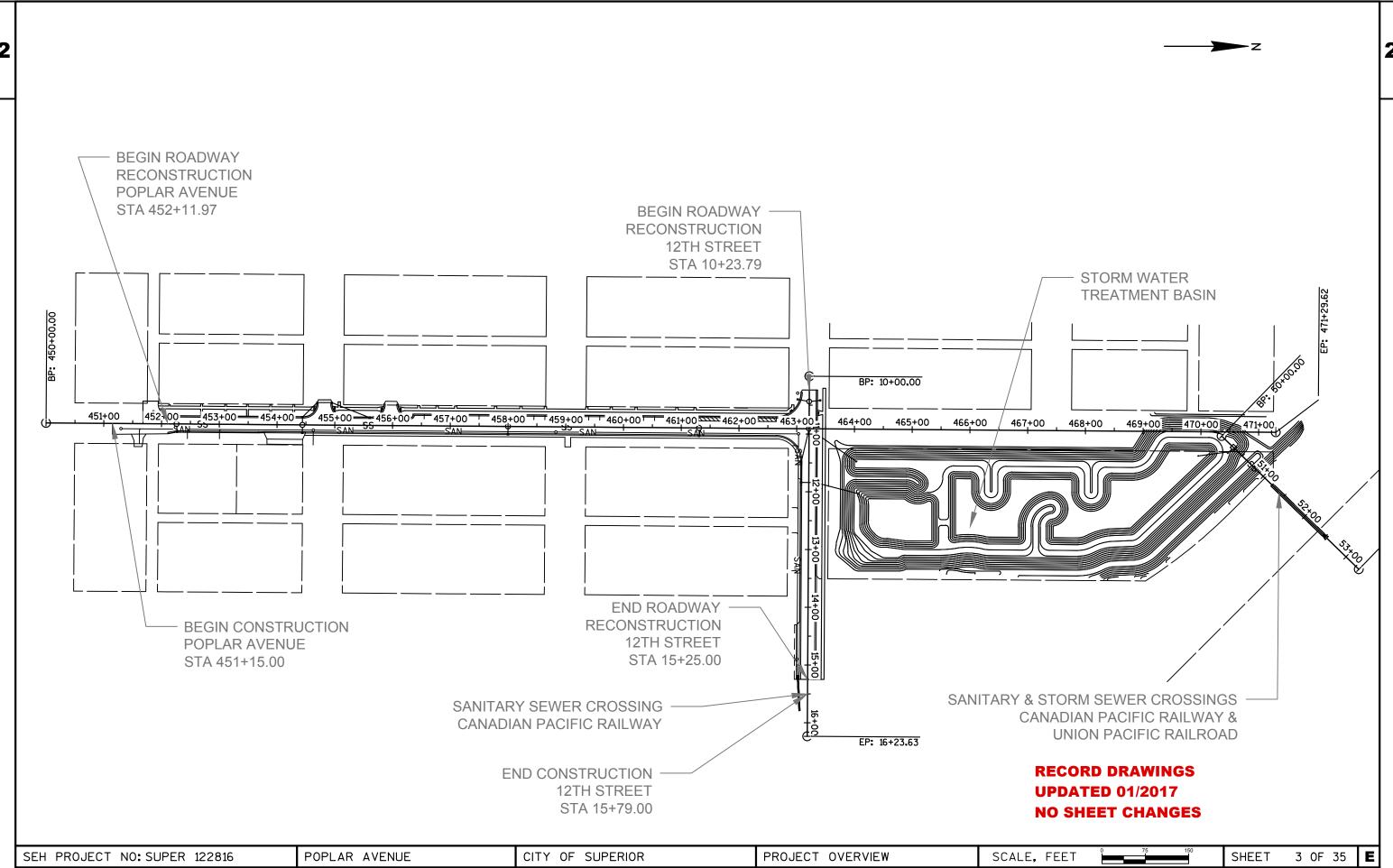
2 OF 35

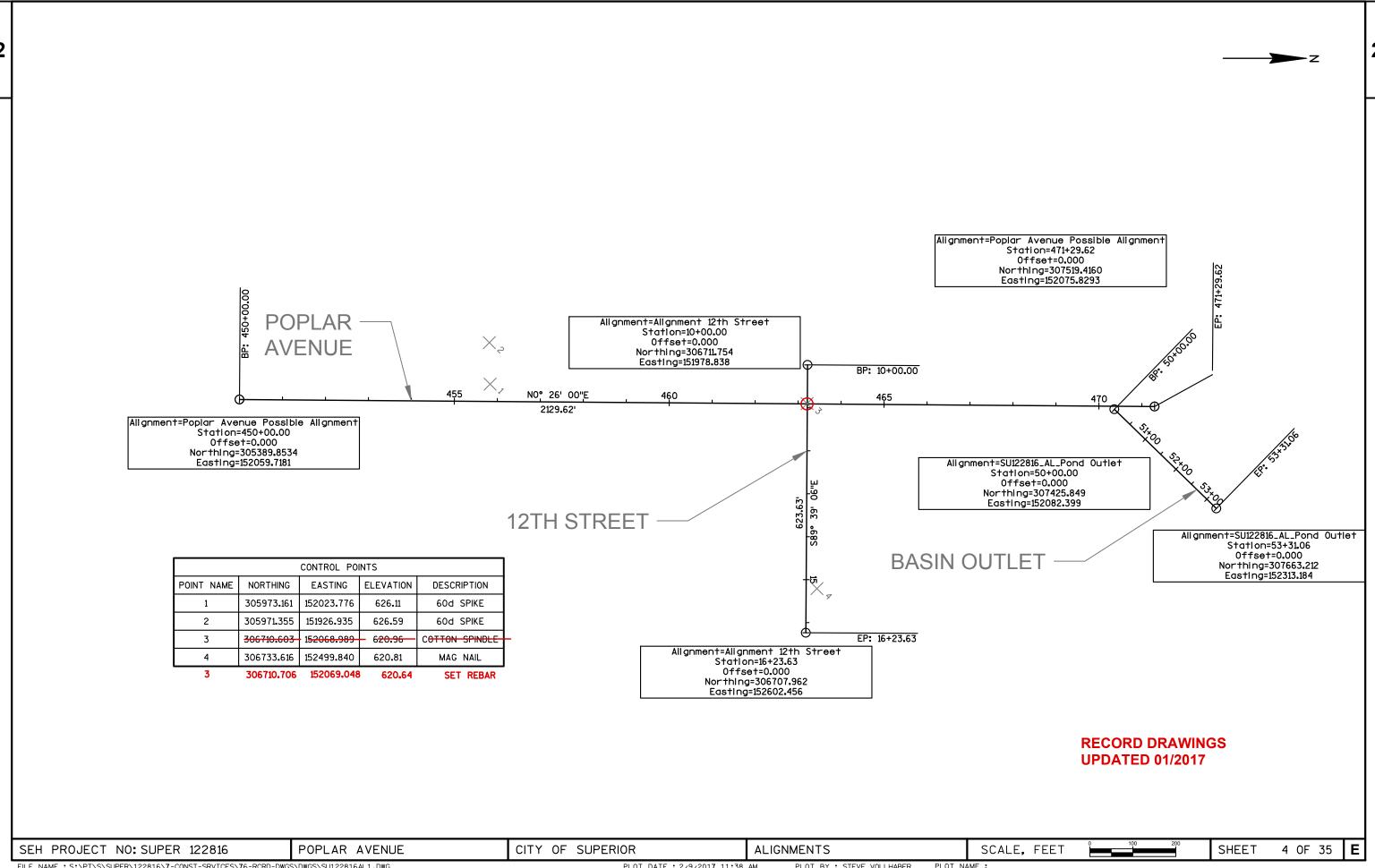
Ε

FILE NAME: S:\PT\S\SUPER\122816\7-CONST-SRVICES\76-RCRD-DWGS\DWGS\SU122816GN1.DWG

PLOT DATE: 2/9/2017 11:37 AM

PLOT BY : STEVE VOLLHABER





		STATEMENT OF ESTIMATED QUANTITIES	,		ESTIMATED	-
NOTE	ITEM NO.	ITEM DESCRIPTION		UNIT	QUANTITY	
		STORM SEWER & ROADWAY ITEMS				1
	203.0100	REMOVING SMALL PIPE CULVERTS		EA	5 -5-	
	204.0100	REMOVING PAVEMENT		SY	1139 1056-	
	204.0110	REMOVING ASPHALTIC SURFACE		SY	7346 10512-	-
	204.0150	REMOVING CURB AND GUTTER		LF	86 -86-	-
	204.0155	REMOVING CONCRETE SIDEWALK		SY	693 1993 	-
	204.0210	REMOVING MANHOLES		EA	3 -	-
	204.0215	REMOVING CATCH BASINS		EA	1 +	-
1	205.0100	EXCAVATION COMMON (ROADWAY)	(P)	CY	6606 0000	ADD
11	208.1100	SELECT BORROW		CY	1000	1,00
1	305.0115.S	BASE AGGREGATE DENSE 3/4-INCH		CY	195 😤	1
1	305.0125.S	BASE AGGREGATE DENSE 1 1/4-INCH	(P)	CY	2448 2440	ADD
1	312.0115.S	SELECT CRUSHED MATERIAL	(P)	CY	2155 2155	ADD
2,3,4	465.0105	ASPHALTIC SURFACE		TON	1951 ₋₁ 1092.90	ADD
	522.1036	APRON ENDWALLS FOR CULVERT PIPE 36-INCH		EA	1 +	
	522.1084	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 84-INCH		EA	1 +	
						_
	601.0411.S	CONCRETE CURB AND GUTTER 24-INCH TYPE SPECIAL		LF	1000 -007-	-
	601.0411	CONCRETE CURB AND GUTTER 30-INCH TYPE D		LF	2130 2115	-
12	602.0405	CONCRETE SIDEWALK 4-INCH		SF	7238 -0527	-
9,12	602.0420	CONCRETE SIDEWALK 7-INCH		SF	4567 -5080	-
	602.0515	CONCRETE RAMP DETECTABLE WARNING FIELD NATURAL PATINA		SF	56 50	-
_	000 0000	DIDDAD LICAYAY		OV	047 477	-
6	606.0300	RIPRAP HEAVY		CY	217 177 326 102 	-
	608.3012	STORM SEWER PIPE CLASS III-A 12-INCH STORM SEWER PIPE CLASS III-A 15-INCH		LF LF	26 25	+
	608.3018	STORM SEWER PIPE CLASS III-A 13-INCH STORM SEWER PIPE CLASS III-A 18-INCH		LF	72 -00-	+
	608.3036	STORM SEWER PIPE CLASS III-A 36-INCH		LF	199 489	1
	608.0354	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 54-INCH		LF	56 47	1
	608.0372	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 72-INCH		LF	1117 1130	1
	608.0384	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 84-INCH		LF	93 -92-	1
	611.0530	MANHOLE COVERS TYPE J		EA	1 +	1
	611.0612	INLET COVERS TYPE C		EA	4 -4	1
	611.0624	INLET COVERS TYPE H		EA	7	1
	611.0639	INLET COVERS TYPE H-S		EA	6 +	
	611.2005	MANHOLES 5-FT DIAMETER		EA	2 -2	
	611.2007	MANHOLES 7-FT DIAMETER		EA	1 +	
	611.2008	MANHOLES 8-FT DIAMETER		EA	1 +	
	611.2010	MANHOLES 10-FT DIAMETER		EA	4 +	_
	611.2012	MANHOLES 12-FT DIAMETER		EA	1 +	-
	611.3003	INLETS 3-FT DIAMETER		EA	2 +	-
	611.3004	INLETS 4-FT DIAMETER		EA	4 +	-
_	611.3230	INLETS 2x3-FT		EA	8 +	-
5	612.0106	PIPE UNDERDRAIN 6-INCH		LF	3112 3112	-
	040.0400	MAINTENANCE AND DEDAID OF HALL DOADS		1.0		-
	618.0100	MAINTENANCE AND REPAIR OF HAUL ROADS MOBILIZATION		LS EA	1 +	1
	619.1000	INIODILIZATION	+	EA	1 +	+
1,17	625.0105.S	TOPSOIL	-	CY	1253 1253-	+
.,	628.1504	SILT FENCE	1	LF	850 -850 -	1
15	628.1905	MOBILIZATIONS EROSION CONTROL	+	EA	6 10	1
	628.7005	INLET PROTECTION TYPE A		EA	4 2	1
	628.7010	INLET PROTECTION TYPE B		EA	2 -2	1
	628.7015	INLET PROTECTION TYPE D		EA	4 44	1
	628.7504	TEMPORARY DITCH CHECKS		LF	15 40	ADD
	628.7560	TRACKING PADS		EA	3 2	
18	637.2210	SIGNS TYPE II REFLECTIVE H		SF	30 30-	
18	638.3000	REMOVING SMALL SIGN SUPPORTS		EA	6 13	
	643.0100	TRAFFIC CONTROL (PROJECT)		EA	1 +	
	645.0140	GEOTEXTILE FABRIC TYPE SAS	(P)	SY	7742 7742	
	646.0106	PAVEMENT MARKING EPOXY 4-INCH		LF	400 074	
		The state of the s	1 1		1	1
	646.0116 690.0150	PAVEMENT MARKING EPOXY 6-INCH		LF LF	175 188 161 1102-	-

NOTES:	
1	TO BE PAID AS COMPACTED IN PLACE VOLUME
2	SHALL CONFORM TO REQUIREMENTS OF HMA PAVEMENT TYPE E-1 PG58-34
3	CALCULATED AT A RATE OF 120 LB PER SQUARE YARD-INCH
4	TACK COAT INCIDENTAL
5	BASE AGGREGATE OPEN GRADED INCIDENTAL
6	GEOTEXTILE FABRIC INCIDENTAL
7	TRACER WIRE INCIDENTAL
8	CONCRETE SIDEWALK SAWCUTS INCIDENTAL
9	INCLUDES PEDESTRIAN RAMP AREAS AND DRIVE APRONS
10	SHALL MEET ALL RAILROAD PERMIT REQUIREMENTS
11	ESTIMATED QUANTITY TO BE USED AS DIRECTED BY THE ENGINEER
12	AGGREGATE BASE INCIDENTAL
13	QUANTITY ASSUMES PLASTIC STORM PIPING IS SELECTED. NO ADJUSTMENT IN UNIT PRICE WILL BE MADE FOR CHANGES IN QUANTITY.
14	BULKHEADS FOR SEWER PIPE, SEALING CASING PIPES INCIDENTAL
15	INCLUDES MAINTENANCE OF EROSION CONTROL MEASURES
16	INCLUDES CARRIER PIPE
17	PLACE AT 3" DEPTH
18	INCLUDES ENTIRE SIGN (SIGN, POST, BASE)
19	WEEKLY INSPECTIONS REQUIRED BY STORMWATER PERMIT. SUBMIT COMPLETED FORMS WEEKLY.
20	ANY CLEANOUTS ENCOUNTERED SHALL BE INCIDENTAL
21	ALL WYES INCIDENTAL
22	PAYMENT INCLUDES VOLUME OF ALL PAVEMENT REMOVALS
23	ALL DEWATERING (INCLUDING MATERIALS) IS CONSIDERED INCIDENTAL. NOTE STANDING WATER EXISTS ALONG RAILROAD TRACKS NEAR POND OUTLET.
24	ALL SURVEY MONUMENTS WITHIN THE PROJECT LIMITS SHALL BE REPLACED BY THE ENGINEER AFTER PAVING OPERATIONS. NOTIFY ENGINEER PRIOR TO REMOVAL OF ANY SURVEY MONUMENTS.

RECORD DRAWINGS UPDATED 01/2017

SEH PROJECT NO: SUPER 122816 CITY OF SUPERIOR POPLAR AVENUE

STATEMENT OF ESTIMATED QUANTITIES

SHEET 5 OF 35 **E**

NOTE	ITEM NO.	ITEM DESCRIPTION		UNIT	ESTIMATED QUANTITY
		STORM SEWER & ROADWAY ITEMS (CONTINUED)			
	SPV.0060.17	EROSION CONTROL INSPECTIONS		EA	19 -40-
13	SPV.0090.08	SEWER FIELD QUALITY CONTROL - DEFLECTION TEST		LF	2114 2305
	SPV.0090.09	SEWER FIELD QUALITY CONTROL - TELEVISING		LF	3111 - 3792 -
	SPV.0105.01	CONSTRUCTION STAKING		LS	1 +
	SPV.0180.03	HYDROSEEDING		SY	2668 1860-
	201.0120	WETLAND BASIN ITEMS CLEARING		ID	54 54
		GRUBBING		ID	54 54
1	201.0220	EXCAVATION COMMON (POND)	(P)	CY	46391 46391
'	205.0100	Exertification (College)	(. /	CI	46331 40001
	522.1048	APRON ENDWALLS FOR CULVERT PIPE 48-INCH		EA	0 4
16	608.3048	STORM SEWER PIPE CLASS III-A 48-INCH		LF	223 219
10	000.0040	OTOTAL DEVELT II E OB TOO III 7440 INOTI			210
	628.2006	EROSION MAT URBAN CLASS I TYPE A		SY	8764 -5707 -
	SPV.0060.04	OUTLET STRUCTURE		EA	1 4
11	SPV.0060.05	CORE DRILLING		EA	4 +
	SPV.0060.08	REMOVE MISCELLANEOUS STRUCTURES		EA	6 +
	SPV.0060.09	NATIVE PLANT PLUGS		EA	396 -396-
	SPV.0060.10	SERVICEBERRY, AT LEAST 7 GAL CONTAINER		EA	0 42
	SPV.0060.11	HACKBERRY, AT LEAST 7 GAL CONTAINER		EA	6 +
	SPV.0060.12	RED-OSIER DOGWOOD, AT LEAST 5 GAL CONTAINER		EA	34 34 -
	SPV.0060.13	NINEBARK, AT LEAST 5 GAL CONTAINER		EA	14 -44-
	SPV.0060.14	WHITE SPRUCE, AT LEAST 7 GAL CONTAINER		EA	14
	SPV.0060.15	BASSWOOD, AT LEAST 7 GAL CONTAINER		EA	10 -5
	SPV.0060.16	HIGH-BUSH CRANBERRY, AT LEAST 7 GAL CONTAINER		EA	10 40-
10	SPV.0090.02	STEEL CASING PIPE, 66-NCH		LF	125 -125 -
	SPV.0105.02	6" DIP BYPASS SYSTEM		LS	1 +
	SPV.0180.01	GRASSED PAVING SYSTEM		SY	808 1028-
	SPV.0180.02	FLEXAMAT		SY	243 243
	SPV.0180.04	SEED TYPE MN 33-311		SY	10033 40033
	SPV.0180.05	SEED TYPE MN 33-361		SY	2162 2162
		SANITARY SEWER ITEMS			
14	204.0280	SEALING PIPES		EA	10 ÷
	SPV.0060.01	CONNECT TO EXISITING SANITARY SEWER		EA	2 2
	SPV.0060.02	CONNECT TO EXISTING SANITARY SEWER SERVICE		EA	4 +
	SPV.0060.03	CONNECT TO EXISTING SANITARY SEWER MANHOLE		EA	1 +
	SPV.0060.06	SANITARY MANHOLE, 48-INCH		EA	7 -
40	SPV.0060.07	SANITARY SEWER CASTING	_	EA	7 -7
10	SPV.0090.01	STEEL CASING PIPE, 24-INCH		LF	59 59
20	SPV.0090.03	REMOVING SEWER PIPES 6-INCH - 18-INCH		LF	385 -448
40	SPV.0090.04	SANITARY SEWER MAIN, 12-INCH		LF	1122 -1173-
16	SPV.0090.05	SANITARY SEWER MAIN, 15-INCH	-	LF LF	480 480
7,21	SPV.0090.06	SANITARY SEWER SERVICE, 6-INCH	-	LF LF	34 -101
7,21	SPV.0090.07	SANITARY SEWER SERVICE, 8-INCH	+	LF	42 -26
	SPV.0090.10	ABANDONING SEWER PIPES	+	LF	0 -330-
	ı	WATER ITEMS			1
	612.0902.S	INSULATION BOARD POLYSTYRENE, 4-INCH		SY	39 -47-
	SPV.W.0060.01	REMOVE WATER VALVE		EA	9 +
	SPV.W.0060.02	REMOVE HYDRANT		EA	3 +
7	SPV.W.0060.03	GATE VALVE AND BOX, 8-INCH		EA	1 +
7	SPV.W.0060.04	GATE VALVE AND BOX, 12-INCH		EA	4 ->
	SPV.W.0060.05	HYDRANT ASSEMBLY		EA	4 +
	SPV.W.0060.06	CONNECT TO EXISTING WATER MAIN		EA	2 -2
	SPV.W.0060.07	CONNECT TO EXISTING WATER SERVICE		EA	10 +
	SPV.W.0060.08	TAPPING TEE WITH ELECTROFUSION SADDLE, 1-INCH		EA	9
	SPV.W.0060.09	TAPPING TEE WITH ELECTROFUSION SADDLE, 2-INCH		EA	0 +
	SPV.W.0060.10	CURB STOP AND BOX, 1-INCH		EA	9
	SPV.W.0060.11	CURB STOP AND BOX, 2-INCH		EA	0 4
11	SPV.W.0060.12	ADJUST GAS VALVE BOX		EA	2 2
	SPV.W.0090.01	REMOVE OR ABANDON WATER PIPE		LF	453 1088-
	SPV.W.0090.02	WATER MAIN AND FITTINGS, 12-INCH HDPE DR-11		LF	1650 1818-
7	SPV.W.0090.03	WATER SERVICE, 1-INCH HDPE		LF	68 46
	SPV.W.0090.04	WATER SERVICE, 2-INCH HDPE		LF	0 67
7					
7	SPV.W.0090.05	WATER SERVICE, 8-INCH HDPE		LF	53 50

POPLAR AVENUE

OTES:	
1	TO BE PAID AS COMPACTED IN PLACE VOLUME
2	SHALL CONFORM TO REQUIREMENTS OF HMA PAVEMENT TYPE E-1 PG58-34
3	CALCULATED AT A RATE OF 120 LB PER SQUARE YARD-INCH
4	TACK COAT INCIDENTAL
5	BASE AGGREGATE OPEN GRADED INCIDENTAL
6	GEOTEXTILE FABRIC INCIDENTAL
7	TRACER WIRE INCIDENTAL
8	CONCRETE SIDEWALK SAWCUTS INCIDENTAL
9	INCLUDES PEDESTRIAN RAMP AREAS AND DRIVE APRONS
10	SHALL MEET ALL RAILROAD PERMIT REQUIREMENTS
11	ESTIMATED QUANTITY TO BE USED AS DIRECTED BY THE ENGINEER
12	AGGREGATE BASE INCIDENTAL
13	QUANTITY ASSUMES PLASTIC STORM PIPING IS SELECTED. NO ADJUSTMENT IN UNIT PRICE WILL BE MADE FOR CHANGES IN QUANTITY.
14	BULKHEADS FOR SEWER PIPE, SEALING CASING PIPES INCIDENTAL
15	INCLUDES MAINTENANCE OF EROSION CONTROL MEASURES
16	INCLUDES CARRIER PIPE
17	PLACE AT 3" DEPTH
18	INCLUDES ENTIRE SIGN (SIGN, POST, BASE)
19	WEEKLY INSPECTIONS REQUIRED BY STORMWATER PERMIT. SUBMIT COMPLETED FORMS WEEKLY.
20	ANY CLEANOUTS ENCOUNTERED SHALL BE INCIDENTAL
21	ALL WYES INCIDENTAL
22	PAYMENT INCLUDES VOLUME OF ALL PAVEMENT REMOVALS
23	ALL DEWATERING (INCLUDING MATERIALS) IS CONSIDERED INCIDENTAL. NOTE STANDING WATER EXISTS ALONG RAILROAD TRACKS NEAR POND OUTLET.
24	ALL SURVEY MONUMENTS WITHIN THE PROJECT LIMITS SHALL BE REPLACED BY THE ENGINEER AFTER PAVING OPERATIONS. NOTIFY ENGINEER PRIOR TO REMOVAL OF ANY SURVEY MONUMENTS.

RECORD DRAWINGS UPDATED 01/2017

STATEMENT OF ESTIMATED QUANTITIES

SHEET 6 OF 35 **E**

FILE NAME : S:\PT\S\SUPER\122816\7-CONST-SRVICES\76-RCRD-DWGS\DWGS\SU122816EQ1.DWG
POPLAR AVENUE RECORD DRAWINGS SHEET SET - STATEMENT OF ESTIMATED QUANTITIES

SEH PROJECT NO: SUPER 122816

REMOVALS				
		SPV.0090.09	SPV.0060.15	SPV.0060.14
		REMOVE WATER	REMOVE	REMOVE
STATION TO STATION	LOCATION	PIPE	HYDRANT	WATER VALVE
		LIN FT	EACH	EACH
POPLAR AVENUE				
451+17.69 - 459+03.63	13.84 RT - 9.25 RT	786		
451+77.74 - 454+45.42	10.24 LT - 9.67 LT	268		
451+91.30 - 451+98.41	10.55 LT - 35.28 LT	25		
451+94.22	22.96 LT			1
452+90.77 - 452+84.90	11.10 LT - 35.31 LT	26		
452+90.95	23.59 LT			1
453+01.39 - 453+03.74	10.95 LT - 35.32 LT	25		
453+01.55	22.79 LT			1
453+73.89 - 453.79.09	9.92 LT - 35.35 LT	30		
453+74.05	21.45 LT			1
454+17.78 - 454+19.95	10.16 LT - 35.36 LT	25		
454+17.69	20.14 LT			1
454+44.38 - 454+44.42	9.71 LT - 22.69 LT	12		
454+44.42	22.69 LT		1	1
455+44.67	33.38 RT			1
459+03.63 - 259+03.79	9.25 RT - 29.67 RT	20		
459+03.79	29.67 RT		1	1
462+61.73	23.64 LT			
462+96.40	33.35 LT			
463+43.36	32.21 LT			
12TH STREET				
10+28.79 - 14+21.87	8.41 LT - 30.66 LT	401		
13+09.08	278.34 LT		1	1
13+62.63 - 13+62.66	29.50 LT - 33.24 LT	4		
14+02.00 - 14+15.00	33.55 RT - 31.23 LT	66		
PROJECT ITEM TOTALS		453 1688	3	9

ADDITIONAL WATER ITEMS INCLUDED IN CHANGE ORDER NO. 5

SERVICE NOTES (ALSO SEE SHEETS 30-32 FOR LOCATIONS)

SERVICE TO 225 N. 12TH ST. (LAKEHEAD PAINT) APPROX. 50' OF PLAN END OF MAIN

ADD SERVICE STA. 9+93 LT. TO 403 N. 12TH ST. (MAIN EXTENSION TO WEST OF POPLAR AVE.)

ADD SERVICE STA. 454+55 LT. TO 1402 CYPRESS AVE., SERVES 2 HOUSES (EXIST. 3/4" Cu. /CONNECT 1" HDPE)

WATER SERVICES										
		SPV.0090.11	SPV.0090.12	SPV.0090.13	SPV.0060.21 TAPPING TEE	SPV.0060.22 TAPPING TEE	SPV.0060.19	SPV.0060.20	SPV.0060.23	SPV.0060.17
		WATER SERVICE	WATER SERVICE,	WATER SERVICE	TAPPING TEE WITH	TAPPING TEE WITH	CURB STOP AND	CURB STOP AND	GATE VALVE &	CONNECT TO
STATION	LOCATION	1-INCH HDPE	2-INCH HDPE	8-INCH HDPE	ELECTROFUSION	ELECTROFUSION	BOX, 1-INCH	BOX, 2-INCH	BOX, 8-INCH	EXISTING WATER SERVICE
					SADDLE, 1-INCH	SADDLE, 2-INCH				
		LIN FT	LIN FT	LIN FT	EACH	EACH	EACH	EACH	EACH	EACH
POPLAR AVENUE										
451+98.41	35.28 LT	7			1		1			1
452+84.90	35.31 LT	7			1		1			1
453+03.74	35.32 LT	7			1		1			1
453+69.81	35.34 LT	7			1		1			1
453+79.09	35.35 LT	7			1		1			1
454+19.95	35.36 LT	7			1		1			1
455+44.59	9.00 LT			59					1	1
454+55	LT.				1					1
12TH STREET										
13+62.63	33.24 LT	4			1		1			1
14+02.00	33.55 RT		67			1		1		1
PROJECT ITEM		68 -46	0 -67	53 -59	9 7	0 1	9 7	0 +	1 1	10 +

WATER MAIN AND VALVES				
		SPV.0090.10	SPV.0060.24	SPV.0060.16
STATION TO STATION	LOCATION	WATER MAIN AND FITTINGS,	GATE VALVE & BOX,	CONNECT TO EXISTING
STATION TO STATION	LOCATION	12-INCH HDPE DR-11	12-INCH	WATER MAIN
		LIN FT	EACH	EACH
POPLAR AVENUE				
451+77.71 - 451+82.51	14.23 LT - 28.77 LT	23		1
451+82.51	28.77 LT		1	
451+82.51 - 454+88.10	28.77 LT - 29.28 LT	306		
454+88.10	29.28 LT		1	
454+88.10 - 463+50.84	29.28 LT - 30.72 LT	863		
POPLAR AVE./N. 12TH ST.			1	
12TH STREET				
+66 10+28.79 - 10+28.79	8.41 LT - 29.50 LT	21		1
10+28.79 - 10+32.79	29.50 LT - 29.50 LT	4		
10+32.79	29.50 LT		1	
10+32.79 10+60.20	29.50 LT - 29.50 LT	27		
10+60.20 - 14+26.30	29.50 LT - 29.50 LT	366		
TEE 10+63, END E. 14+84				
PROJECT ITEM TOTALS		1650 1610	4 3	2

N. 12TH STREET WATER MAIN: 9+53 (CONNECT TO WEST) TO 14+84 (END TO EAST)

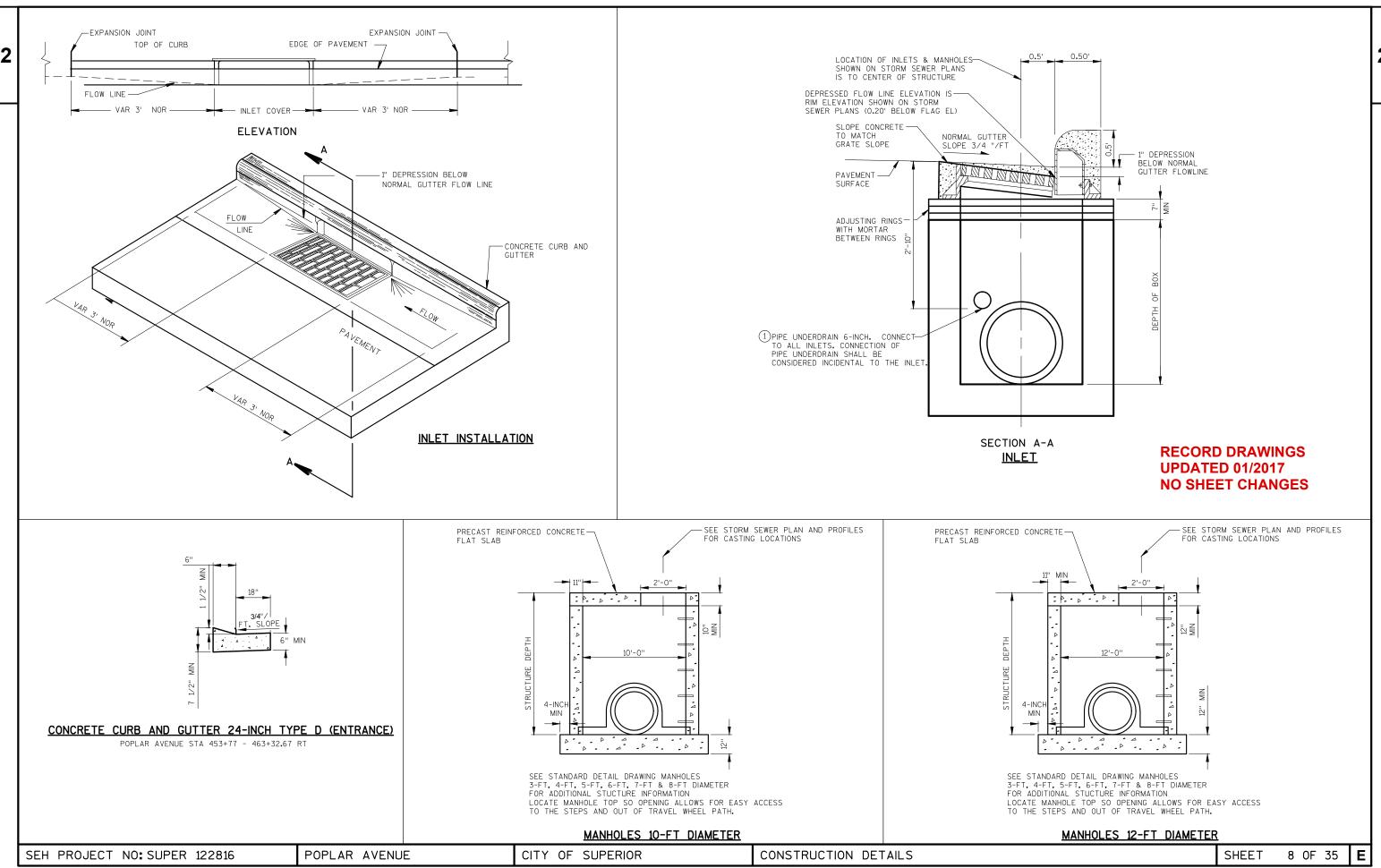
INSULATION		
		612.0902.S
STATION TO STATION	LOCATION	INSULATION BOARD
STATION TO STATION	LOCATION	POLYSTYRENE (INCH), 4-INCH
		SQ YD
POPLAR AVENUE		
454+59.75	29.23' LT (STORM SEWER CROSSING)	7
455+44.61	WATER SERVICE	15
463+21.34	30.68' LT (STORM SEWER CROSSING)	9
12TH STREET		
11+11.08	29.50' LT (STORM SEWER CROSSING)	9
11+88.69	29.50' LT (STORM SEWER CROSSING)	7
PROJECT ITEM TOTALS		39 47

SWLP SUPPLIED TRACER WIRE BOXES (HYDRANTS) HYDRANT DRAIN PLUGS INSTALLED

HYDRANTS		CDV / 00 CO 4 C
		ISPV.0060.18
STATION TO	LOCATION	SPV.0060.18 HYDRANT
STATION	LOCATION	ASSEMBLY
		EACH
POPLAR AVENUE		
454+35.19	18.19 LT	1
458+79.69	23.00 LT	1
462+64.02	23.04 LT	1
MOVED TO 462+46		
12TH STREET		
14+26.67	31.87 RT	1
MOVED TO 14+18		
PROJECT ITEM		Δ.
TOTALS		4

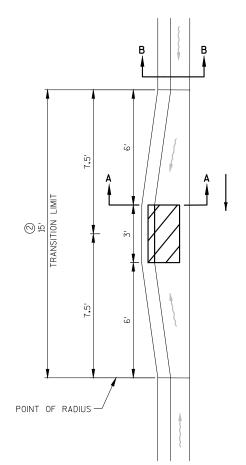
RECORD DRAWINGS UPDATED 01/2017

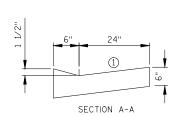
SEH PROJECT NO: SWLPO 135376 POPLAR AVENUE STORM SEWER SWLP COMPANY TABULATIONS SHEET 7 OF 35



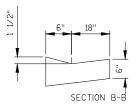
2

2





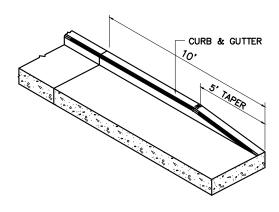
① FURNISH AND INSTALL TYPE H CASTING WITH MOUNTABLE CURB BOX



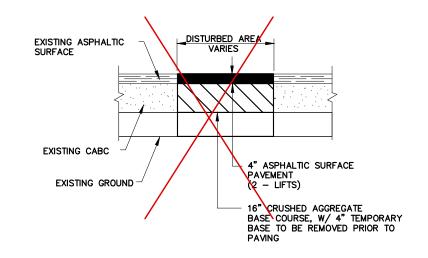
NOTES:

(2) PAYMENT FOR TRANSITIONS AND AREA AT INLETS SHALL BE PAID AS THE ITEM OF CONCRETE CURB AND GUTTER 24-INCH TYPE D.

24" CURB & GUTTER AT INLETS



CURB TAPER



ASPHALTIC PAVEMENT RESTORATION

CONSTRUCTED PER TYPICAL SECTION DETAIL ON SHEET 14 FOR DISTURBED AREA ON POPLAR AVE. SOUTH OF UTILITY CONNECTIONS TOWARD BELKNAP STREET.

RECORD DRAWINGS UPDATED 01/2017 NO SHEET CHANGES

SEH PROJECT NO: SUPER 122816

POPLAR AVENUE

CITY OF SUPERIOR

CONSTRUCTION DETAILS

SHEET

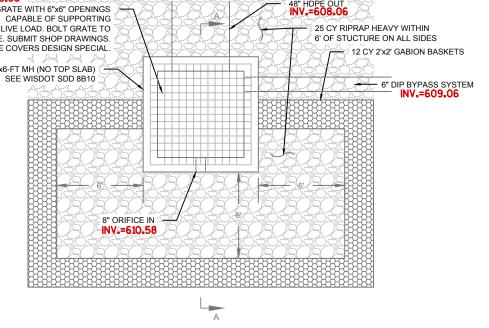
9 OF 35 **E**

FILE NAME: S:\PT\S\SUPER\122816\7-CONST-SRVICES\76-RCRD-DWGS\DWGS\SU122816CD.DWG
POPLAR AVENUE RECORD DRAWINGS SHEET SET - CONSTRUCTION DETAILS

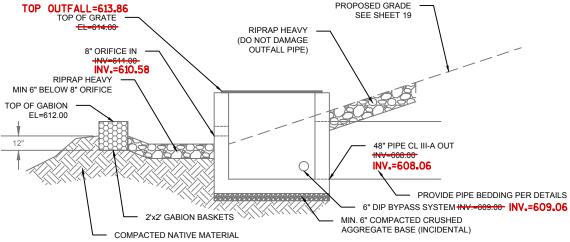
PLOT DATE: 2/9/2017 11:38 AM

PLOT BY: STEVE VOLLHABER PLOT NAME:





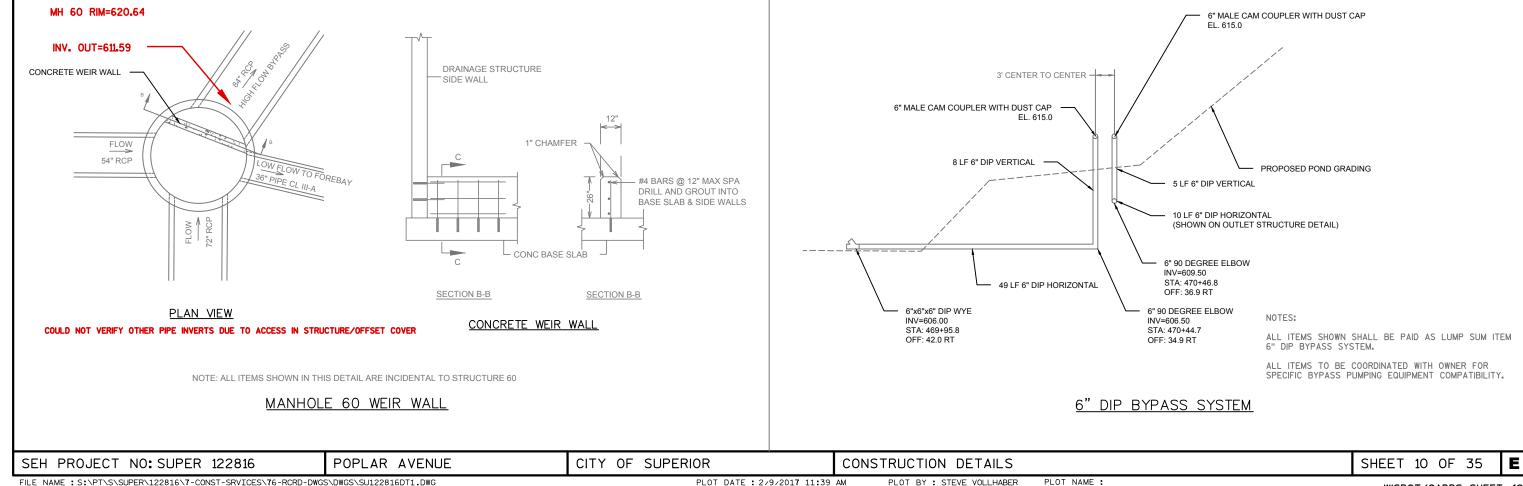
PLAN VIEW



SECTION A-A

STORM WATER BASIN OUTFALL STRUCTURE

RECORD DRAWINGS UPDATED 01/2017



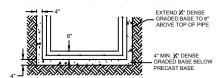


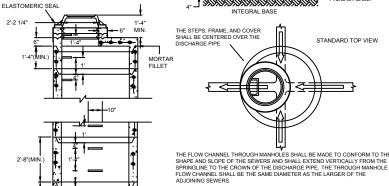
WHERE SHOWN ON THE PLANS. ADJUST FRAME TO GRADE WITH BRICK OR CONCRETE RINGS OF VARIABLE ADJUST FRAME TO GRADE WITH BRICK OR CONCRETE RINGS OF VARIABLE THICKNESS, MAXIMUM RING HEIGHOTH = 2°. CONCRETE RINGS SHALL BE REINFORCED WITH ONE LINE OF STEEL CENTERED WITHIN THE RING. WHERE NECESSARY, RINGS SHALL BE GROVED TO RECEIVE STEP. THE CHIMINEY SHALL BE CONSTRUCTED SO THAT AS FEW ADJUSTING RINGS AS POSSIBLE SHALL BE USED TO BRING MANHOLT OF GRADE. CONCRETE AND STEEL REINFORCEMENT SHALL CONFORM TO DESIGNATION C-478 REQUIREMENTS OF ASTIN SEPCICICATIONS.
JOINTS SHALL BE WATERTIGHT AND SHALL BE MADE USING BUTYL RUBBER ASSENCED AND STEEL CONFORM TO BESTIMATION OF THE PROJECT ENGINEER. PREVIENT MANGE ASTING WHICH, IN THE OPINION OF THE PROJECT ENGINEER, PREVIENT MANGE ASTIFFACTORY JOINT SHALL BE

CONSIDERED CAUSE FOR REJECTION. AREA OF CIRCUMFERENTIAL STEEL = 0.12 SQ INCH PER LINEAL FOOT

4" MIN. 3/" DENSE GRADED BASE UNDER CONCRETE BASE.

PRECAST BASE RISER SECTION WITH A SEPERATE PRECAST BASE SLAB SHALL NOT BE CONSIDERED GENERALLY ACCEPTABLE UNDER THIS SPECIFICATION.





SPACE BETWEEN PIPE AND PRECAST MANHOLE WALL TO BE FILLED WITH BRICK MORTARED IN PLACE EXCEPT THAT AN APPROVED FLEXIBLE WATERTIGHT PIPE T MANHOLE SEAL IS REQUIRED FOR ALL SANITARY SEWER CONNECTIONS. THE MANULAR SPACE BETWEEN THE PIPE AND MANHOLE WALL SHALL BE FILLED WITH FLEXIBLE BUTYL RUBBER GASKET MATERIAL.

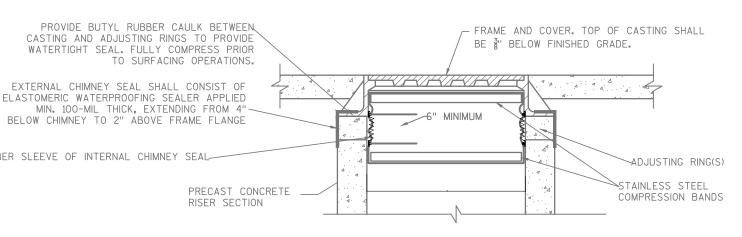
CLASS "D" CONCRETE, 12" MIN. BELOW BOTTOM OF PIPE

TABLE NO. 1

3/4" DENSE GRADED BASE

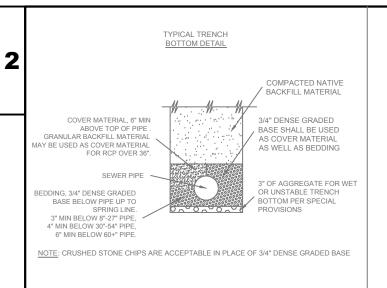
PRECAST MANHOLE

RECORD DRAWINGS UPDATED 01/2017 NO SHEET CHANGES

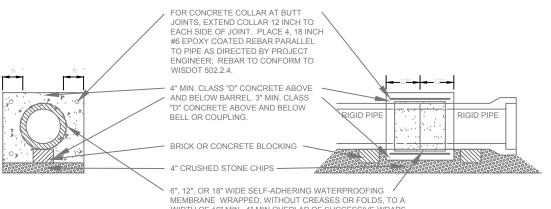


INTERNAL & EXTERNAL CHIMNEY SEAL

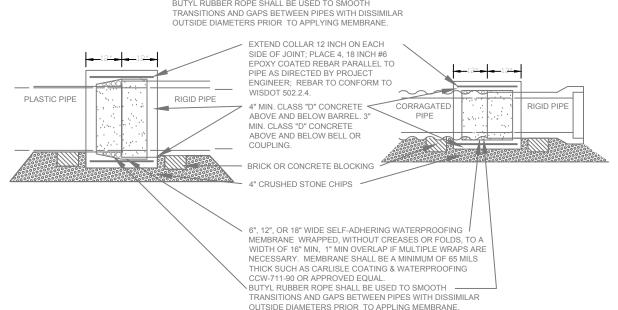
FLASTOMERIC SEAL



CONCRETE COLLAR DETAIL



WIDTH OF 16" MIN, 1" MIN OVERLAP OF SUCCESSIVE WRAPS IF NECESSARY. MEMBRANE SHALL BE A MINIMUM OF 65 MILS THICK SUCH AS CARLISLE COATING & WATERPROOFING CCW-711-90 OR APPROVED EQUAL. BUTYL RUBBER ROPE SHALL BE USED TO SMOOTH TRANSITIONS AND GAPS BETWEEN PIPES WITH DISSIMILAR



POPLAR AVENUE

CITY OF SUPERIOR

CONSTRUCTION DETAILS

MANHOLE CASTING DIMENSIONS

TYPICAL CURB INLET CASTING DIMENSIONS FOR RECTANGULAR

STRUCTURES

TYPICAL CURB INLET CASTING DIMENSIONS FOR

CIRCULAR STRUCTURES

CASTING DIMENSIONS FOR GRATED MANHOLE COVERS AND

CIRCULAR INLETS IN NON-CURB INSTALLATIONS

ALL MANHOLE CASTINGS SHALL CONFORM TO THE REQUIREMENTS OF

ASTM A-48, CLASS NO. 30-B AND SHALL BE FREE FROM CRACKS,

COVERS SHALL BE "SELF-SEALING", "T-SEAL" OR "GASKET SEALED"

COVERS WITH "SANITARY" OR "STORM" LABELS AS APPLICABLE, OR OTHER

1 1/2"

1 3/4"

Annnnn

7 15/32

35 1/4" -

— 19 7/8" —

HOLES, SWELLS, AND COLD SHUTS.

RUBBER SLEEVE OF INTERNAL CHIMNEY SEAL-

LABELS APPROVED AS EQUAL.

PLOT DATE: 2/9/2017 11:39 AM

FILE NAME: S:\PT\S\SUPER\122816\7-CONST-SRVICES\76-RCRD-DWGS\DWGS\SU122816DT6.DWG

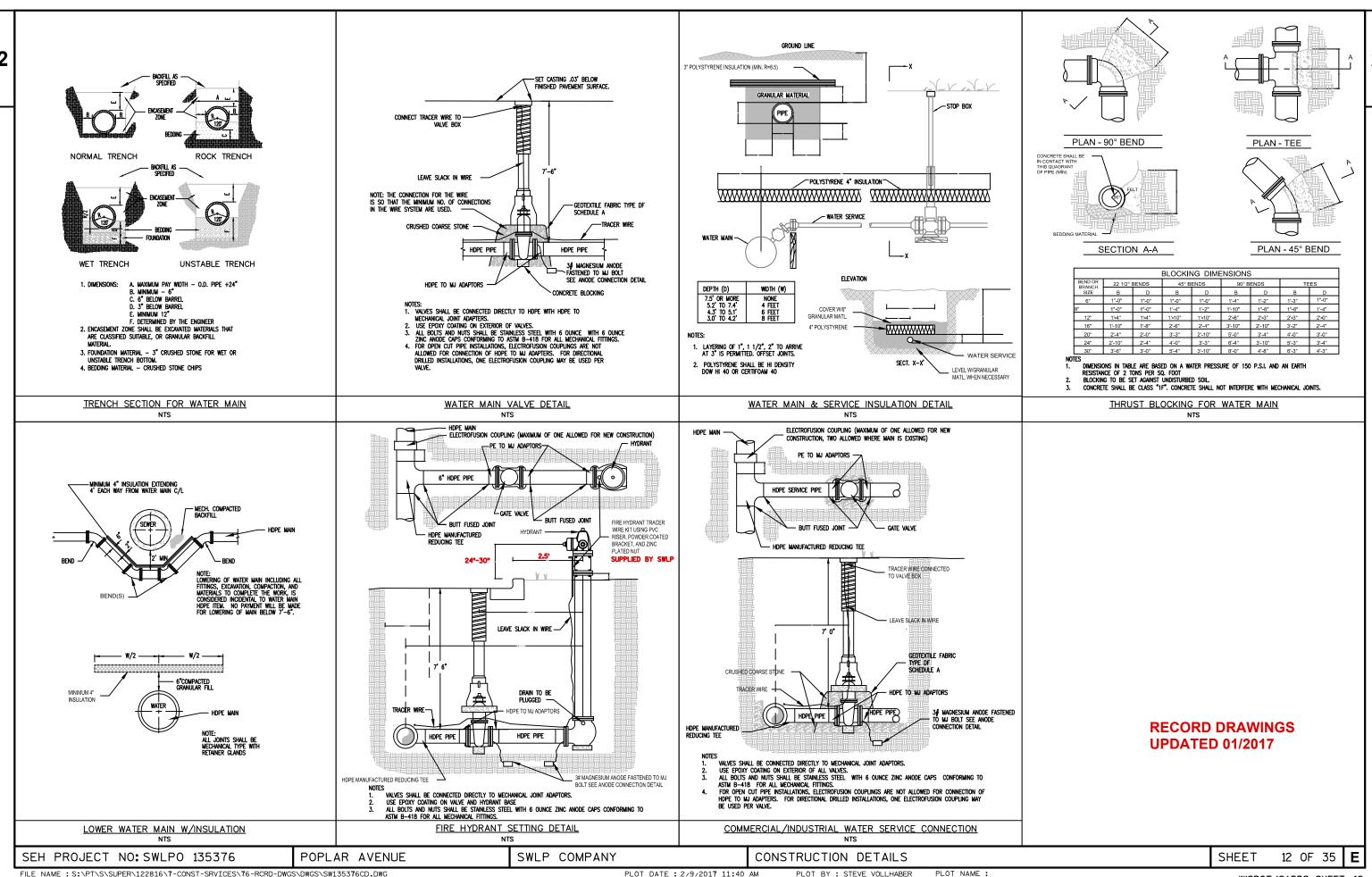
SEH PROJECT NO: SUPER 122816

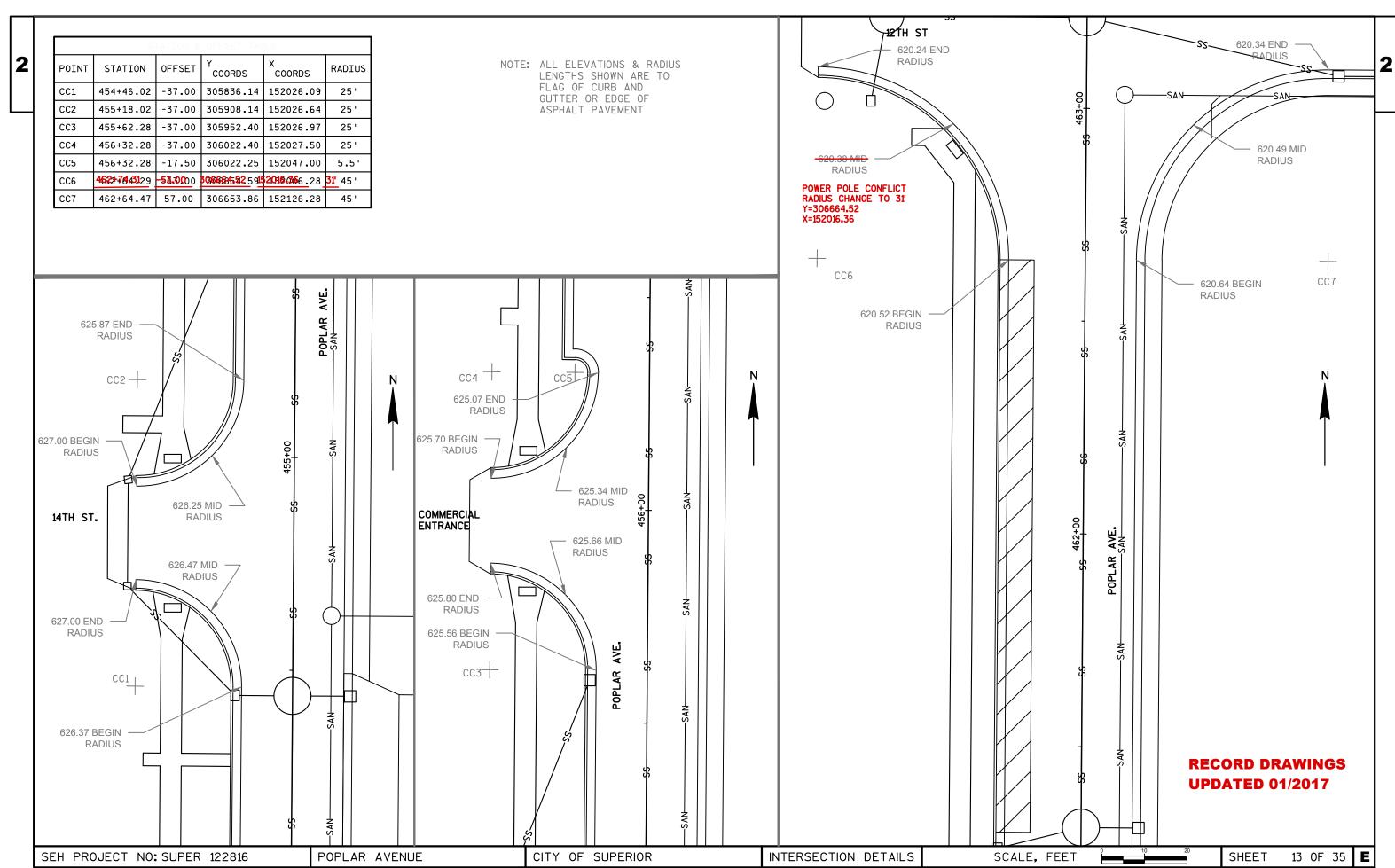
PLOT BY : STEVE VOLLHABER

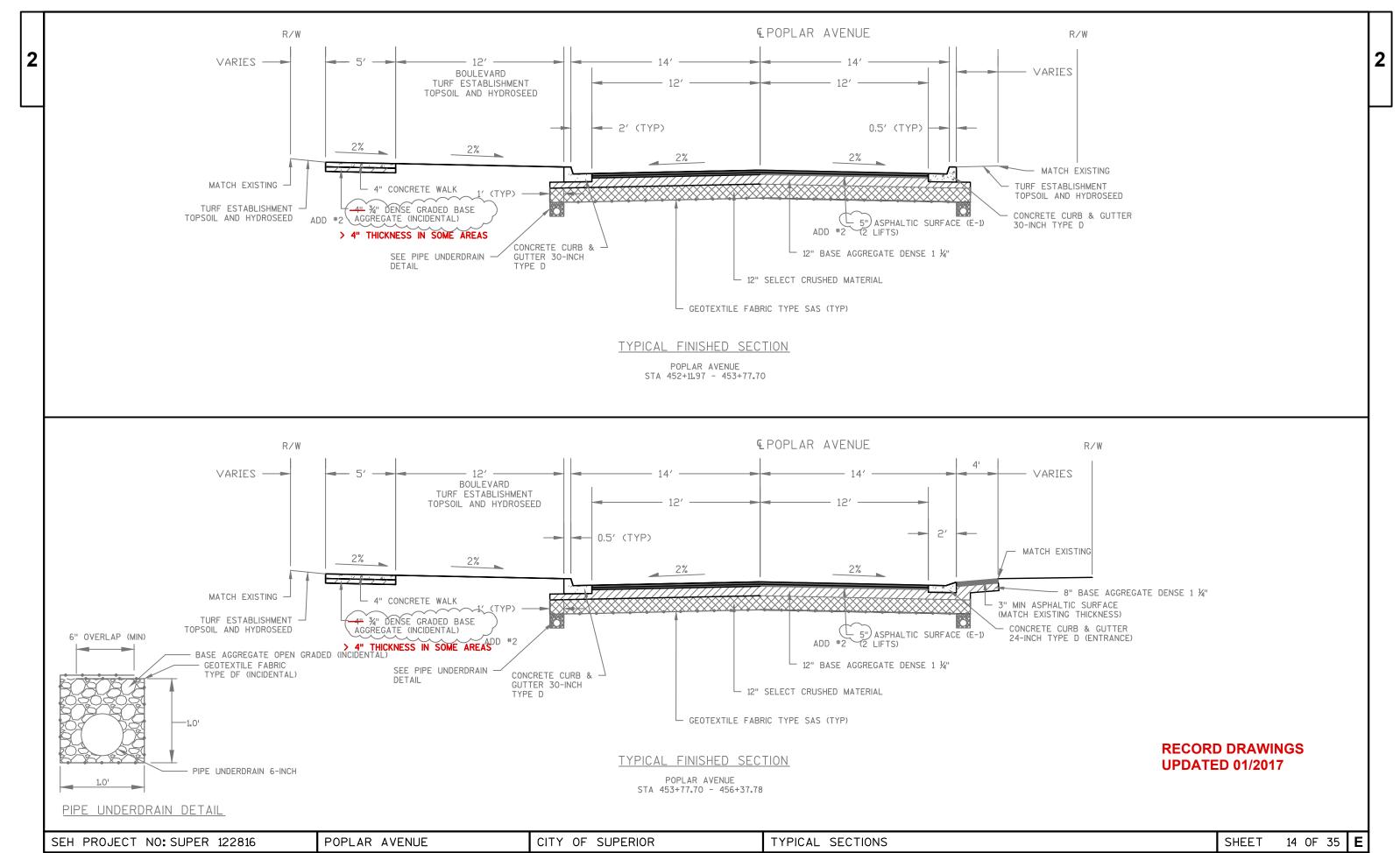
E

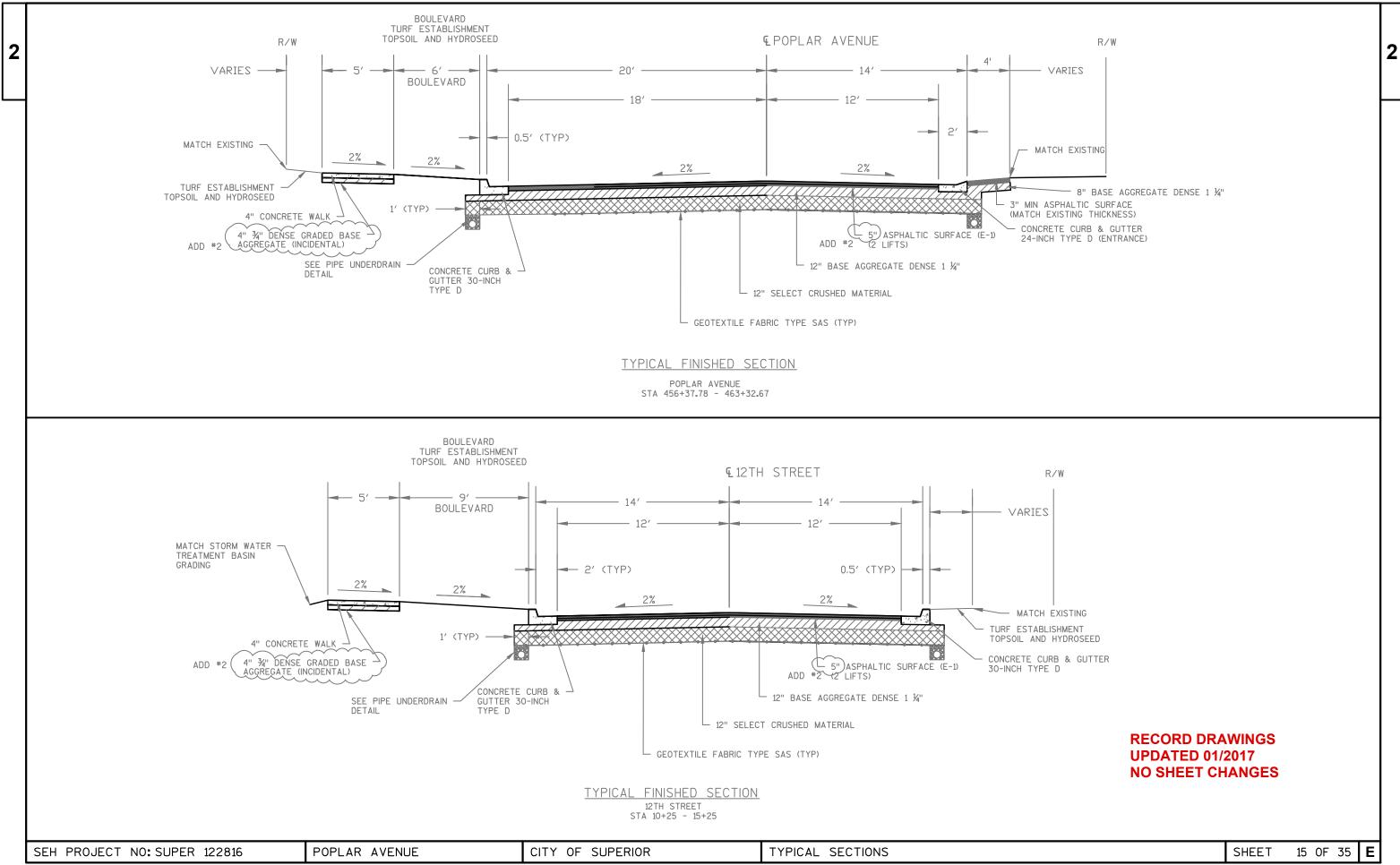
SHEET 11 OF 35

PLOT NAME :









THIS SITE-SPECIFIC EROSION CONTROL PLAN HAS BEEN DEVELOPED TO ADDRESS THE REQUIREMENTS OF THE GENERAL PERMIT TO DISCHARGE UNDER THE WISCONSIN POLLUTANT DISCHARGE ELIMINATION SYSTEM (WPDES) PERMIT NO. WI-S067831-4.

PROJECT INFORMATION:

LOCATION:	POPLAR AVENUE/12TH STREET CITY OF SUPERIOR, WI
LONGITUDE/LATITUDE:	-92.083346 LONGITUDE, 46.724510 LATITUDE
PROJECT DESCRIPTION:	STREET RECONSRUCTION, STORM WATER TREATMENT BASIN
LAND DISTURBING ACTIVITIES:	GRADING AND EXCAVATIONS, UNDERGROUND INSTALLATIONS

CONTACTS:

OWNER:	CITY OF SUPERIOR		
CONTACT:	ERIN ABRAMSON		
ADDRESS:	51 EAST FIRST STREET SUPERIOR, WI 54880		
PHONE:	715.394.0392		
EMAIL:	ABRAMSONE@CI.SUPERIOR.WI.US		

ENGINEER:	SHORT ELLIOTT HENDRICKSON INC. (SEH)
CONTACT:	DAN HINZMANN
PHONE:	218.279.3034
EMAIL:	DHINZMANN@SEHINC.COM
PROJECT NO.	SUPER 122816

PROJECT SUMMARY:

TOTAL PROJECT AREA:	7.45 AC
TOTAL DISTURBED AREA:	5.79 AC

GENERAL RESPONSIBILITIES:

CONTRACTOR SHALL POST WDNR AND CITY OF SUPERIOR CERTIFICATES OF PERMIT COVERAGE ON SITE AND MAINTAIN UNTIL CONSTRUCTION ACTIVITIES HAVE CEASED, THE SITE IS STABILIZED AND A NOTICE OF TERMINATION IS FILED WITH WDNR.

THE CONTRACTOR SHALL KEEP A COPY OF THE CURRENT EROSION CONTROL PLAN ON SITE THROUGHOUT THE DURATION OF THE PROJECT.

THE CONTRACTOR SHALL SUBMIT PLAN REVISION OR AMENDMENTS TO THE WDNR AT LEAST 5 DAYS PRIOR TO FIELD IMPLEMENTATION.

IMPLEMENTATION:

EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED OR INSTALLED IN ACCORDANCE WITH THE PLAN DEVELOPED BEFORE LAND DISTURBING CONSTRUCTION ACTIVITIES BEGIN AND UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.

EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE MAINTAINED UNTIL FINAL STABILIZATION.

FINAL STABILIZATION ACTIVITY SHALL COMMENCE WHEN LAND DISTURBING ACTIVITIES CEASE AND FINAL GRADE HAS BEEN REACHED ON ANY PORTION OF THE SITE.

BMPS THAT ARE NO LONGER NECESSARY FOR EROSION AND SEDIMENT CONTROL SHALL BE REMOVED BY THE RESPONSIBLE PARTY.

IMPLEMENTATION SEQUENCE:

CONTRACTOR SHALL STAGE CONSTRUCTION GRADING ACTIVITIES PER WDNR TECHNICAL STANDARD TEMPORARY GRADING PRACTICES FOR EROSION CONTROL #1067 TO MINIMIZE THE CUMULATIVE EXPOSED AREA.

1.	INSTALL ROCK CONSTRUCTION ENTRANCE(S)
2.	INSTALL PERIMETER CONTROL AND STABILIZE DOWN GRADIENT BOUNDARIES
3.	COMPLETE SITE GRADING
4.	INSTALL UTILITIES, STORM SEWER, INLET PROTECTION, CURB & GUTTER, PAVING
5.	COMPLETE FINAL GRADING AND STABILIZE DISTURBED SOILS
6.	REMOVE ANY ACCUMULATED SEDIMENT AND TEMPORARY BMPS

RECORD DRAWINGS UPDATED 01/2017 NO SHEET CHANGES

COMPLIANCE WITH OTHER APPLICABLE REGULATIONS:

(DOCUMENTATION OF OTHER APPLICABLE MUNICIPAL REGULATORY PROVISIONS, COMPLIANCE WITH WHICH WILL ALSO MEET THE REQUIREMENTS OF THIS PERMIT.)

TYPE OF PERMIT/REVIEW	REQUIRED ACTIONS/HOW COMPLIANCE WILL BE ACHIEVED:		
WETLAND INDIVIDUAL PERMIT	SUBMITTED TO WDNR		
INDIVIDUAL WATERWAY PERMIT	SUBMITTED TO WDNR		
WETLAND LETTER OF PERMISSION	SUBMITTED TO USACE		

SITE SOIL INFORMATION:

(SITE SOIL INFORMATION PROVIDED IS FOR WPDES PERMIT INFORMATION ONLY, SOIL INFORMATION WAS OBTAINED FROM THE USGS WEB SOIL SURVEY. THE CONTRACTOR SHALL NOT RELY ON THIS SOIL INFORMATION FOR CONSTRUCTION PURPOSES.)

SOIL NAME:	HYDROLOGIC CLASSIFICATION:	
AMNICON-CUTTRE COMPLEX 97.5%	D	
MISKOAKI CLAY LOAM 2.5%	D	

RECEIVING WATERS:

ID	NAME	TYPE	IMPAIRMENTS	TMDL
N/A	DRAINAGE SWALE	OPEN CHANNEL	N/A	NO
2751220	SUPERIOR	LAKE	ASNRI ENDANDERED THREATENED OR SPECIAL CONCERN AREA, CONTAMINATED FISH TISSUE	YES/NO

POLLUTANTS OF CONCERN ARE NOT RELATED CONSTRUCTION ACTIVITIES.

TEMPORARY SEDIMENT CONTROLS AND THE PROPOSED STORMWATER BASIN SHALL BE UTILIZED TO REDUCE THE SEDIMENT AND POLLUTANTS TO THE RECIEVING WATERS.

DOES THE PROJECT DISCHARGE TO AN ORW OR ERW?	NO
--	----

DOES THE PROJECT DISCHARGE TO A FISH AND AQUATIC LIFE WATER?

A FISH AND AQUATIC LIFE WATER UNLESS EROSION CONTROL AND STORMWATER MANAGEMENT FINAL SITE STABILIZATION. PLANS ARE DESIGNED TO PREVENT THE SIGNIFICANT LOWERING OF WATER QUALITY TO ANY FISH AND AQUATIC LIFE WATER. THE CONSTRUCTION OF THE STORMWATER BASIN SHALL SATISFY THIS REQUIREMENT.

INSPECTIONS AND MAINTENANCE:
ALL INSPECTIONS, MAINTENANCE, REPAIRS, REPLACEMENTS, AND REMOVAL OF EROSION AND SEDIMENT CONTROLS ARE TO BE CONSIDERED INCIDENTAL TO THE BMP BID ITEMS.

EROSION AND SEDIMENT CONTROLS SHALL BE INSPECTED WEEKLY BY THE CONTRACTOR AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER, INSPECTION REPORTS SHALL BE KEPT ON SITE AND SHALL BE AVAILABLE UPON REQUEST.

REPAIR OR REPLACEMENT OF EROSION AND SEDIMENT CONTROLS AS NECESSARY WILL OCCUR WITHIN 24 HOURS OF AN INSPECTION OR NOTIFICATION INDICATING THAT REPAIR OR REPLACEMENT IS NEEDED.

INSPECTIONS SHALL BE DOCUMENTED AND DOCUMENTATION SHALL INCLUDE:

- THE DATE, TIME AND EXACT LOCATION OF THE INSPECTION
- THE NAME OF THE INDIVIDUAL WHO PERFORMED THE INSPECTION AN ASSESSMENT OF THE CONDITION OF EROSION AND SEDIMENT CONTROLS
- A DESCRIPTION OF ANY EROSION AND SEDIMENT CONTROL INSTALLATION OR MAINTENANCE PERFORMED IN RESPONSE TO THE INSPECTION
- A DESCRIPTION OF THE PRESENT PHASE OF THE CONSTRUCTION AT THE SITE.

EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES: THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL THE EROSION AND SEDIMENT CONTROL MEASURES IN CONFORMANCE WITH THE WDNR TECHNICAL STANDARDS. WDNR TECHNICAL STANDARDS SHALL BE REVIEWED AND FOLLOWED FOR EROSION AND SEDIMENT CONTROL MEASURES.

THE CONTRACTOR SHALL IMMEDIATELY STABILIZE ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER, AREAS OF FINAL GRADING SHALL BE STABILIZED WITHIN 7 DAYS OF REACHING FINAL GRADE.

PERIMETER EROSION CONTROLS AND ROCK TRACKING PAD CONSTRUCTION ENTRANCE(S) (WDNR TECHNICAL STANDARD STONE TRACKING PAD AND TIRE WASHING #1057) SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRUBBING.

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE USED TO PREVENT OR REDUCE ALL OF DISCHARGE OF SEDIMENT FROM DRAINAGE WAYS THAT FLOW OFF SITE AND SEDIMENT FROM EROSIVE FLOWS AT OUTLETS AND IN DOWNSTREAM CHANNELS.

THE CONTRACTOR SHALL INSTALL PROTECTION PER WDNR TECHNICAL STANDARD STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITES #1060 PRIOR TO LAND-DISTURBING ACTIVITIES IN THE CONTRIBUTING DRAINAGE AREA AND/OR IMMEDIATELY UPON INLET INSTALLATION.

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE USED TO MANAGE ALL OVERLAND FLOW AT ALL AREAS OF THE CONSTRUCTION SITE, UNLESS OTHERWISE CONTROLLED BY OUTFALL CONTROLS.

CONTRACTOR SHALL PERFORM DEWATERING OF ACCUMULATED SURFACE RUNOFF PER WDNR TECHNICAL STANDARD DE-WATERING #1061 AND DEWATER ONLY AFTER THE APPROPRIATE WDNR DEWATERING DISCHARGE PERMIT HAS BEEN OBTAINED.

ALL SEDIMENT/TRASH THAT MOVES OFF-SITE DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS SHALL BE SWEPT/CLEANED UP AND DISPOSED OF PROPERLY BEFORE THE END OF THE SAME WORKDAY.

ANY SOIL EROSION THAT OCCURS AFTER FINAL GRADING AND/OR THE APPLICATION OF STABILIZED MEASURES MUST BE REPAIRED AND THE WORK REDONE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING DUST ON SITE PER WDNR TECHNICAL STANDARD DUST CONTROL ON CONSTRUCTION SITES #1068.

CONTRACTOR SHALL COORDINATE WITH ENGINEER ON TEMPORARY STOCKPILE LOCATIONS. STOCKPILES SHALL BE IMMEDIATELY STABILIZED WITH SILT FENCE OR OTHER PERIMETER CONTROL IF STOCKPILES REMAIN INACTIVE FOR 7 DAYS OR LONGER.

CONTRACTOR SHALL INSTALL AND MAINTAIN SILT FENCE PER WDNR TECHNICAL STANDARD SILT FENCE #1056.

FOR DORMANT SEEDING (NOV. 1 TO MAY 15), SEED WITH SPECIFIED MIX AT A RATE OF 150% OF WHAT IS SPECIFIED, ALL AREAS SEEDED IN LATE FALL/WINTER SHALL BE RE-SEEDED AFTER THE THREAT OF FROST IN THE SPRING PASSES.

ALL TEMPORARY EROSION CONTROL INSTALLATIONS SHALL BE MAINTAINED UNTIL THE SITE IS STABILIZED WITH 70% VEGETATION AND A NOTICE OF TERMINATION HAS BEEN APPROVED BY THE PERMITTEE SHALL NOT ESTABLISH ANY NEW STORMWATER DISCHARGE OF POLLUTANTS TO THE WDNR. CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION CONTROL MEASURES UNTIL

POLLUTION PREVENTION:

ALL WASTE, AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, WASTEWATER, OR TOXIC MATERIALS) SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO BE CARRIED OFFSITE BY RUNOFF OR WIND.

FUELING AND VEHICLE MAINTENANCE AREAS SHALL HAVE BMPS DESIGNED, INSTALLED, AND MAINTAINED TO REDUCE PETROLEUM WITHIN RUNOFF, SO THAT THE RUNOFF THAT ENTERS WATERS OF THE STATE CONTAINS NO VISIBLE PETROLEUM SHEEN, OR THE MAXIMUM EXTENT

THE CONTRACTOR SHALL COMPLY WILL ALL APPLICABLE WDNR REMEDIATION AND WASTE MANAGEMENT REQUIREMENTS FOR HANDLING AND DISPOSING OF CONTAMINATED MATERIALS.

THE CONTRACTOR SHALL DEVELOP AND IMPLEMENT SITE SPECIFIC SPILL PREVENTION AND RESPONSE PROCEDURES.

NO COAL TAR-BASED SEALANTS SHALL BE USED ON ASPHALT SURFACES.

CONTRACTOR TO PROVIDE SUITABLE GARBAGE RECEPTACLE FOR ONSITE PERSONNEL.

CONTRACTOR TO PROVIDE PORTABLE TOILET ONSITE FOR THE DURATION OF CONSTRUCTION ACTIVITIES. THE TOILET SHALL BE TEMPORARILY REMOVED FOR ANY PERIOD WHERE NO WORK IS ANTICIPATED FOR A ONE WEEK PERIOD.

SEH PROJECT NO: SUPER 122816

POPLAR AVENUE

CITY OF SUPERIOR

EROSION CONTROL PLAN

SHEET 16 OF 35

WISDOT/CADDS SHEET 44

