PROJECT WITH: ENGINEER SURVEYOR GENERAL CONTRACTOR SUBCONTRACTORS AGG. & SEL. GRAN. BASE AGC. & SEL. GRAN. BASE BITUMINOUS EXCAVATING & GRADING EXOSION CONTROL TURF ESTABLISHMENT UNDERGROUND UTILITIES (SANITARY, STORM) UNDERGROUND UTILITIES (WATER & GAS RELOCATES) CONCRETE CURB & WALKS TESTING-MATERIALS TESTING-MATERIALS TESTING-MATERIALS TESTING-MATERIALS ē S Č P ĔR TV INSPECTION-STORM YEAR OF CONSTRUCTION 129839

SHORT ELLIOTT HENDRICKSON INC. PROJECT ENGINEER RESIDENT PROJECT REP. JEROLD HALDOLT MEMORYSON INC. JEROLD HALDORSON CONTRACTOR, KURTIS MARTIN SURVEY A-1 EXCAVATING, INC. A-1 EXCAVATING, INC.

A-1 EXCAVATING, INC. MONARCH PAVING A-1 EXCAVATING, INC. A-1 EXCAVATING, INC. A-1 EXCAVATING, INC.

#### SWLP, A-1 EXCAVATING

HOVLAND MASONRY TWIN PORTS TESTING A-1,SEH,CITY-STORM FLOW RITE PIPE SERVICES,CITY 2015 & 2016 (RESTORATION)

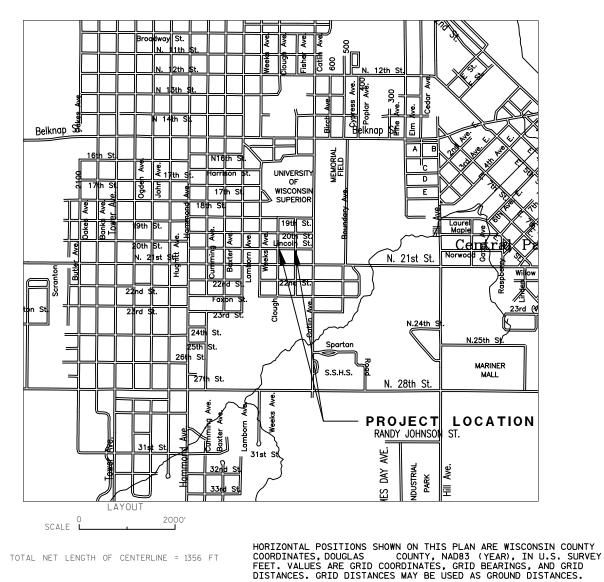
# **CITY OF SUPERIOR** DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

# FISHER & CLOUGH STORM SEWER

## SUPERIOR, WISCONSIN

SEH PROJECT NUMBER SUPER 129839

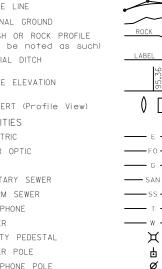




CONVENTIONAL SYMBOLS



PLAN		PROFILE
CORPORATE LIMITS	///////	GRADE LINE
PROPERTY LINE		ORIGINAL GR
LOT LINE		MARSH OR (To be n
LIMITED HIGHWAY EASEMENT	L	SPECIAL DIT
EXISTING RIGHT OF WAY		GRADE ELEV
PROPOSED OR NEW R/W LINE		UNADL LLLY
SLOPE INTERCEPT		CULVERT (P
REFERENCE LINE		UTILITIES
	<i>•</i>	ELECTRIC
EXISTING CULVERT		FIBER OPTIC
PROPOSED CULVERT (Box or Pipe)	<del>_</del>	GAS
	M	SANITARY S
COMBUSTIBLE FLUIDS	-CAUTION-	STORM SEW
		TELEPHONE
MARSH AREA	(* * * )	WATER
	\_ <u>*</u> _/	UTILITY PED
		POWER POLE
WOODED OR SHRUB AREA	٤	TELEPHONE



\_\_\_\_\_

FILE NAME :S:\PT\S\SUPER\129839\7-CONST-SVCS\76-RECORD-DRWG\DWGS\SU129839\_TITLESHEET.DWG

PLOT DATE : 4/17/15

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1 2 3-4 5-10 11 13-16 17-18 19-20	TITLE SHEET CONSTRUCTION NOTES CONSTRUCTION DETAILS INTERSECTION DETAILS TYPICAL SECTIONS EROSION CONTROL PLAN & MAP CLOUGH AVENUE PLAN & PROFILE FISHER AVENUE PLAN & PROFILE
13-16	EROSION CONTROL PLAN & MAP
17-18	CLOUGH AVENUE PLAN & PROFILE
19-20	FISHER AVENUE PLAN & PROFILE
21	SIDEWALK PLAN S. OF LINCOLN & FISHER
22-23	STORM SEWER LEADS
24-40	WISDOT STANDARD DETAIL DRAWINGS NOT UPDATED
<del>-41-51</del>	-CROSS SECTIONS NOT UPDATED
12	ESTIMATED QUANTITIES

### **RECORD DRAWINGS UPDATED 03/2016**



"Call 3 Work Da<u>y</u>s Before You Dig! TOLL FREE 1-800-242-8511 MILW. AREA (414) 259–1181 1-800-542-2289 TDD

ORIGINAL PLANS PREPARED BY:



С	IΤΥ	OF	SUPER	IOR	
)EPARTI	MENT	- OF	F PUBL	_IC	WORKS

PREPARED	ΒY
Surveyor	
Designer	

Project Mc

ATE:

PPROVED FOR THE DEPARTMENT

(Signature)

S٧

WISDOT/CADDS SHEET 10

Ε

#### STANDARD ABBREVIATIONS

ABUTMENT ABUT AC ADT ACRE AVERAGE DAILY TRAFFIC AEW APRON ENDWALL AH AHEAD APPRX APPROXIMATELY ASPH ASPHALTIC AV AVENUE ΒK BACK BLDG BUILDING BI VD BOULEVARD BM BENCHMARK BR BRIDGE CURVE CRUSHED AGGREGATE BASE COURSE CARC CATCH BASIN CB СС CENTER-TO-CENTER CE C & G COMMERCIAL ENTRANCE CURB AND GUTTER CLASS CL C/L, CENTERLINE CMP CORRUGATED METAL PIPE CO COUNTY CONC CONCRETE CP CR CULVERT PIPE CREEK CTH COUNTY TRUNK HIGHWAY CWT HUNDREDWEIGHT CY CUBIC YARD DEGREE OF CURVE DIRECTIONAL DISTRIBUTION DG DITCH GRADE DESIGN HOUR VOLUME DHV DIA DIAMETER DR DRIVEWAY EAST GROUND COORDINATE EAST UNDER GROUND ELECTRIC FA EACH EB FASTBOUND EBS EXCAVATION BELOW SUBGRADE ELEVATION ELEV EQUIVALENT SINGE AXLE LOADS ESALS EW ENDWALL EXIST EXISTING FE FIELD ENTRANCE FFRT FERTILIZE FF FACE TO FACE FL FLAG LINE F/L FO FLOW LINE FIBER OPTIC FT FEET GN GRID NORTH GRAV GRAVEL GV GATE VALVE ha HECTARE HR HANDICAP RAME HV HIGH VOLUME HYD HYDRANT ID INSIDE DIAMETER INL INLET INV INVERT IP IRON PIPE OR PIN kg KILOGRAM KILOMETER km kPa KILOPASCAL LITER LENGTH OF CURVE Lb POUND LC LONG CHORD OF CURVE LF LINEAR FOOT LIMITED HIGHWAY EASEMENT LHE LHF LEFT-HAND FORWARD LS LT LUMP SUM LEFT LOW VOLUME LV METER m m2 m3 SQUARE METER CUBIC METER MAX MAXIMUM Mg MEGAGRAM MH MANHOLE

MINIMUM MIN MILLIMETER mm M/I MATCH LINE MV MEDIUM VOLUME NORTH Ν NORTH GROUND COORDINATE NB NORTHBOUND NO NUMBER NOMINAL NOM NOR NORMAL OD OUTSIDE DIAMETER OPEN GRADED BASE COURSE OGBC PAVEMENT PAVT PC POINT OF CURVATURE POINT OF COMPOUND CURVATURE PCC PCC PORTLAND CEMENT CONCRETE PIPE CATTLE PASS PCP ΡE PRIVATE ENTRANCE POINT OF INTERSECTION ΡI ΡK PARKER-KALON NAIL PROPERTY LINE PL PLE PERMANENT LIMITED EASEMENT POC POINT ON CURVE POT POINT ON TANGENT PRC POINT OF REVERSE CURVATURE PSD PASSING SIGHT DISTANCE PT POINT PT POINT OF TANGENT PVC. POINT OF VERTICAL CURVATURE POLYVINYL CHLORIDE PVC POINT OF VERTICAL INTERSECTION PVI PVT POINT OF VERTICAL TANGENT RADIUS RIVER RCCP REINFORCED CONCRETE CULVERT PIPE RD ROAD REINFORCED CONCRETE PIPE STORM SEWER RCPS REQ'D REQUIRED RES RESIDENCE OR RESIDENTIAL RHF RIGHT-HAND FORWARD RP RADIUS POINT RP REFERENCE POINT RR RT RAILROAD RIGHT R/L REFERENCE LINE R/W RIGHT-OF-WAY SOUTH SANITARY SEWER SAN SANITARY SEWER SERVICE SAN S SB SDD SOUTHBOUND STANDARD DETAIL DRAWINGS SQUARE FEET SF SHLDR SHOULDER SQ SS SOUARE STORM SEWER SSD STOPPING SIGHT DISTANCE STA STATION STH STATE TRUNK HIGHWAY SW SIDEWALK SQUARE YARD SY TANGENT TELEPHONE TRUCKS TOP OF CURB ТС TEMP TEMPORARY TEMPORARY LIMITED EASEMENT TLE TOP OF CASTING TOC TVP TYPICAL UNDERGROUND CABLE UG UNITED STATES HIGHWAY USH DESIGN SPEED VAR VARIABLE VERTICAL CURVE VC VP VITRIFIED CLAY PIPE W WEST WESTBOUND WB WATER MAIN WM WATER SERVICE WS WV WATER VALVE EAST GRID COORDINATE Х NORTH GRID COORDINATE YD YARD

#### 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 INLET STATION AND OFFSET NOTATIONS SHOWN REFER TO THE CENTER OF GRATE.

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

ALL AREAS DISTURBED OUTSIDE OF THE PROJECT LIMITS SHALL BE RESTORED TO THE ORIGINAL CONDITION AT NO COST TO THE CITY. THIS SHALL INCLUDE AREAS DESIGNATED FOR STAGING. ANY REQUIRED SWEEPING OR DUST CONTROL SHALL BE AT NO COST TO THE CITY.

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASE 38-02. ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

REMOVAL OF ALL PIPE APRONS SHALL BE INCIDENTAL

ADDITIONAL SURVEY MONUMENTATION MAY EXIST THAT IS NOT SHOWN ON THE PLAN. IF A MONUMENT IS ENCOUNTERED DURING THE PROJECT, THE CONTRACTOR SHALL PROTECT IN PLACE. IF THE MONUMENT CANNOT BE PROTECTED IN PLACE, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO LOCATE THE MONUMENT (USING SURVEY INSTRUMENTATION) PRIOR TO REMOVAL

#### DESIGN CONTACT

SEH INC 418 WEST SUPERIOR ST SUITE 200 DUI UTH MN 55802-1512 TELEPHONE 218,279,3000 ATTENTION: DAN HINZMANN EMAIL: DHINZMANN@SEHINC,COM

DIGGERS HOTI INF 2040 WEST WISCONSIN AVENUE SUITE 10 MILWAUKEE, WISCONSIN 53233 TELEPHONE: 1.800.242.8511



Know what's below. Call before you dig.

PLOT DATE : 5/31/2016 9:56 AM

#### UTILITY CONTACTS

SUPERIOR WATER, LIGHT & POWER CO. 2915 HILL AVENUE P.O. BOX 519 SUPERIOR WISCONSIN 54880 TELEPHONE: 218.393.6391 ATTENTION: JAMIE MEHLE EMAIL: JMEHLE@SWLP.COM

SUPERIOR WATER LIGHT & POWER CO 2915 HILL AVENUE P.O. BOX 519 SUPERIOR WISCONSIN 54880 TELEPHONE: 715.395.6315 ATTENTION: KEVIN HABERMAN EMAIL: KHABERMAN@MNPOWER.COM

CITY OF SUPERIOR PUBLIC WORKS SUPERIOR, WISCONSIN 54880 TELEPHONE: 715.395.7334 ATTENTION: TODD JANIGO EMAIL: JANIGOT@CI.SUPERIOR.WI.US

CENTURYTEL SERVICE GROUP 135 N. 21ST STREET SUPERIOR, WISCONSIN 54880 ENGINEERING TELEPHONE: 715.392.0033 ATTENTION: ARNOLD MILLER EMAIL: ARNOLD.MILLER@CENTURYTEL.COM

PROJECT NO: SUPER 129839

FISHER & CLOUGH AVENUE

CITY OF SUPERIOR

CONSTRUCTION NOTES

PLOT NAME : PLOT BY : TYLER YNGSDAL

2

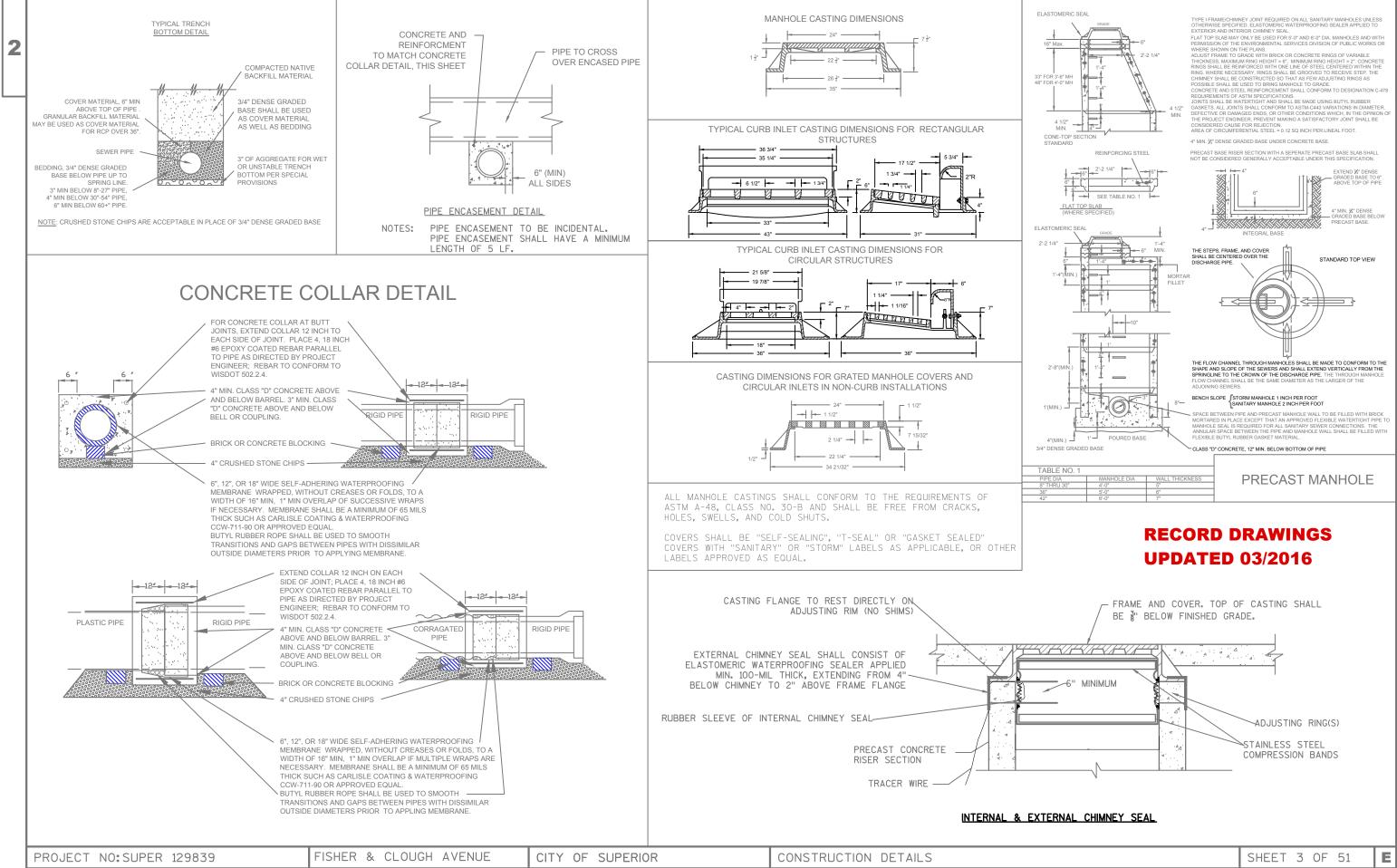
FILE NAME : S:\PT\S\SUPER\129839\7-CONST-SVCS\76-RECORD-DRWG\DWGS\SU129839CN.DWG

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SHEET 2 OF 51

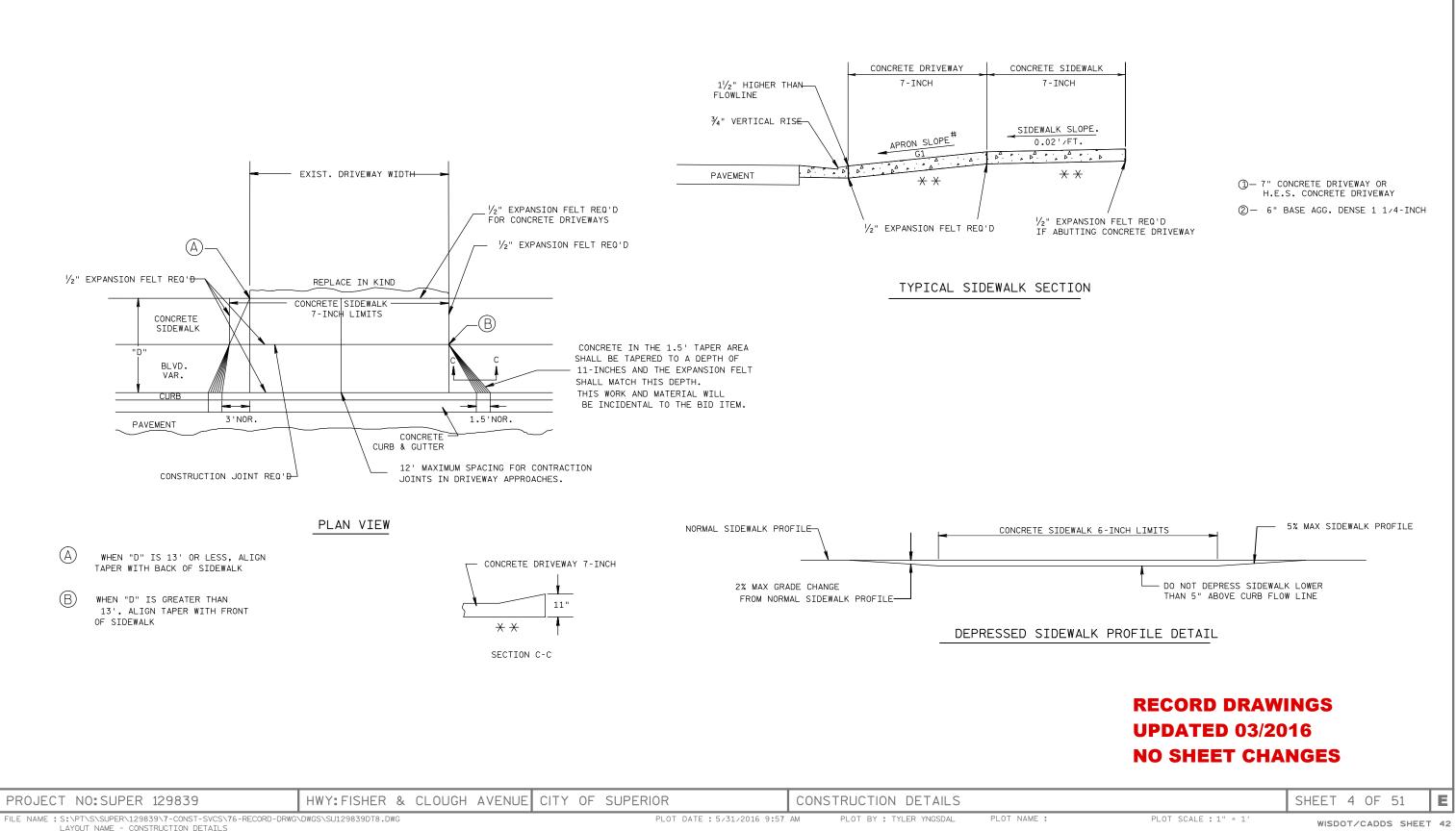
# **UPDATED 03/2016 NO SHEET CHANGES**

**RECORD DRAWINGS** 



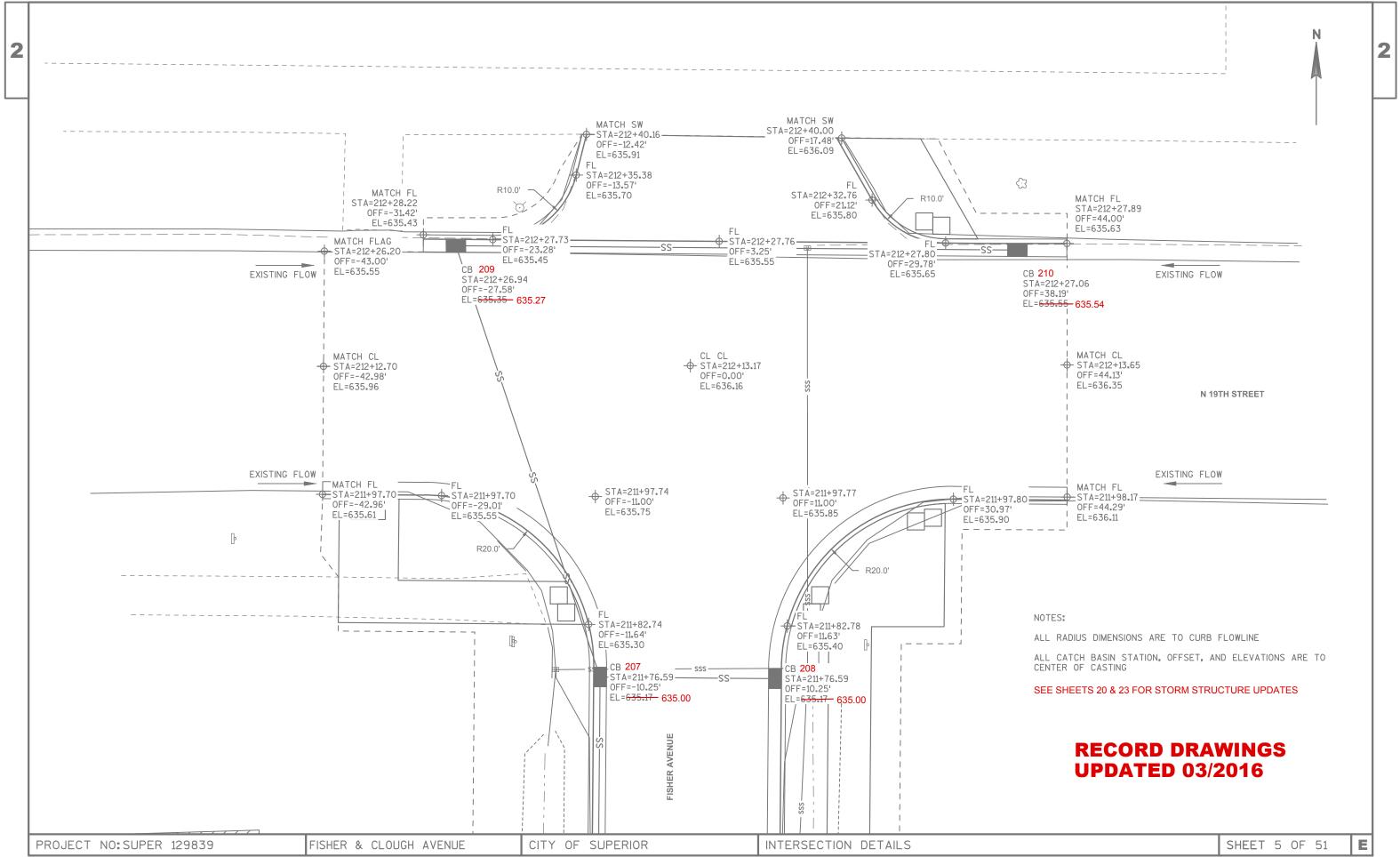
PLOT NAME :

### DRIVEWAY ENTRANCE DETAIL WITH SIDEWALK, CURB & GUTTER

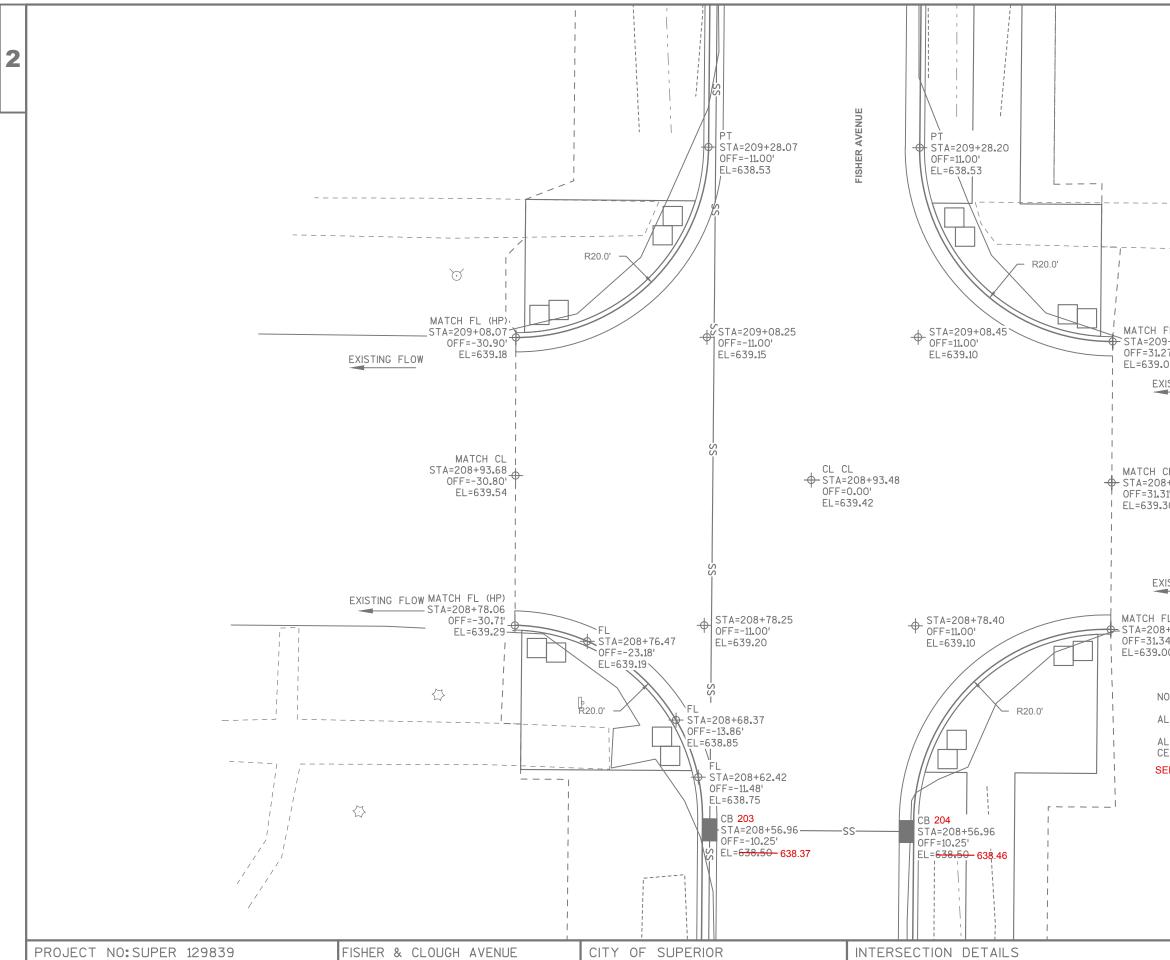


FILE NAME : S:\PT\S\SUPER\129839\7-CONST-SVCS\76-RECORD-DRWG\DWGS\SU129839DT8.DWG LAYOUT NAME - CONSTRUCTION DETAILS

2

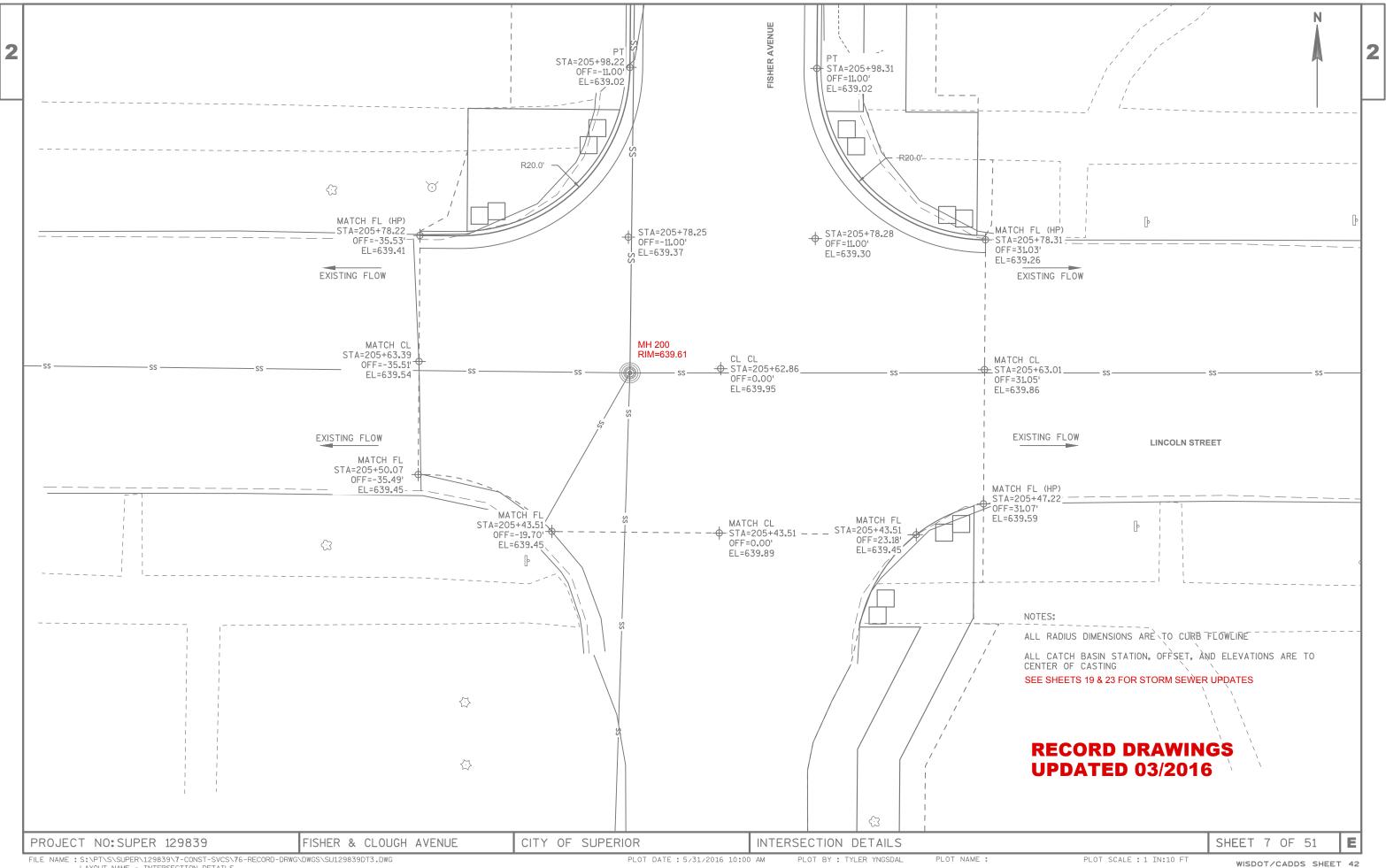


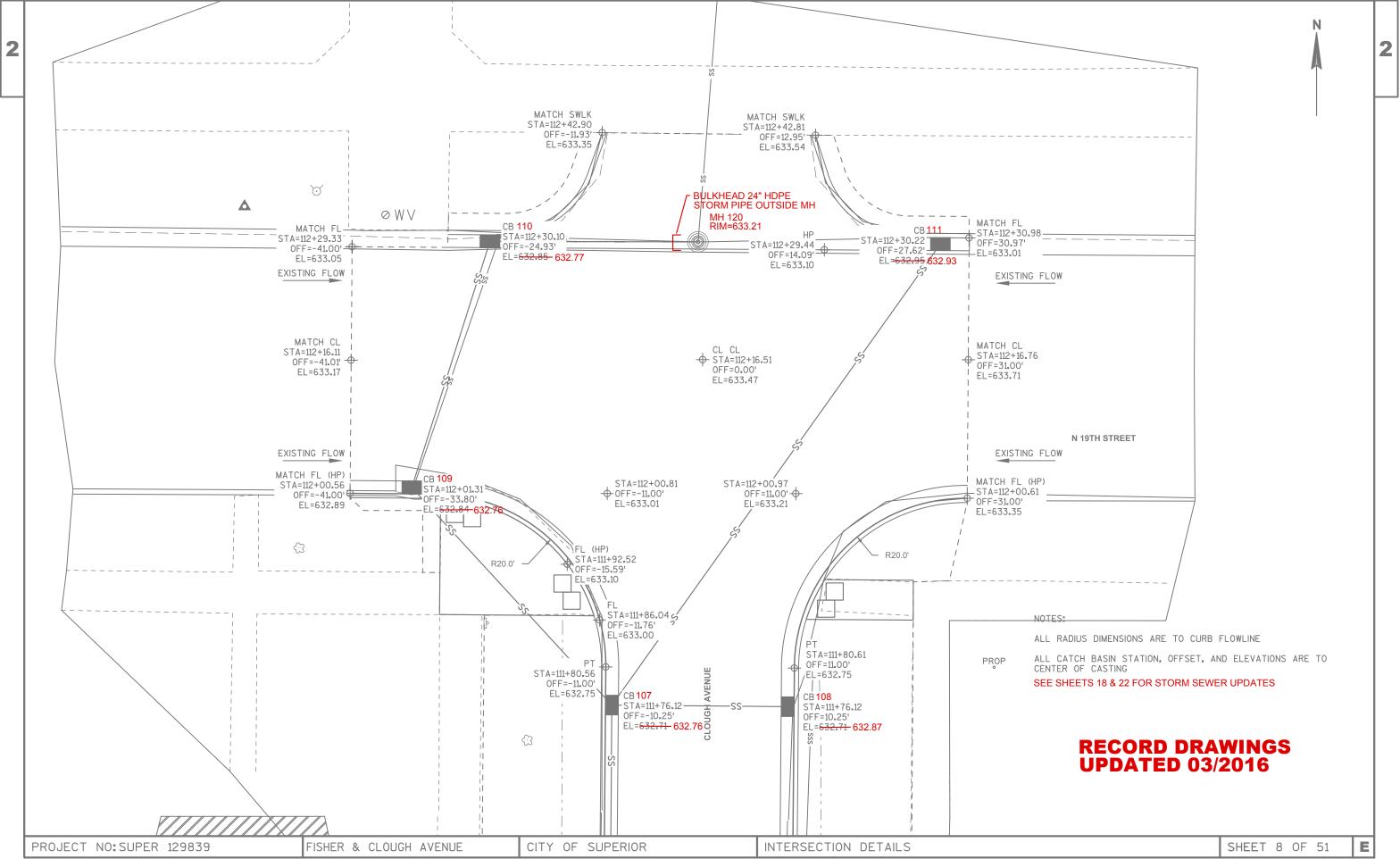
FILE NAME :S:\PT\S\SUPER\129839\7-CONST-SVCS\76-RECORD-DRWG\DWGS\SU129839DT1.DWG LAYOUT NAME - INTERSECTION DETAILS PLOT DATE : 5/31/2016 9:59 AM PLOT BY : TYLER YNGSDAL



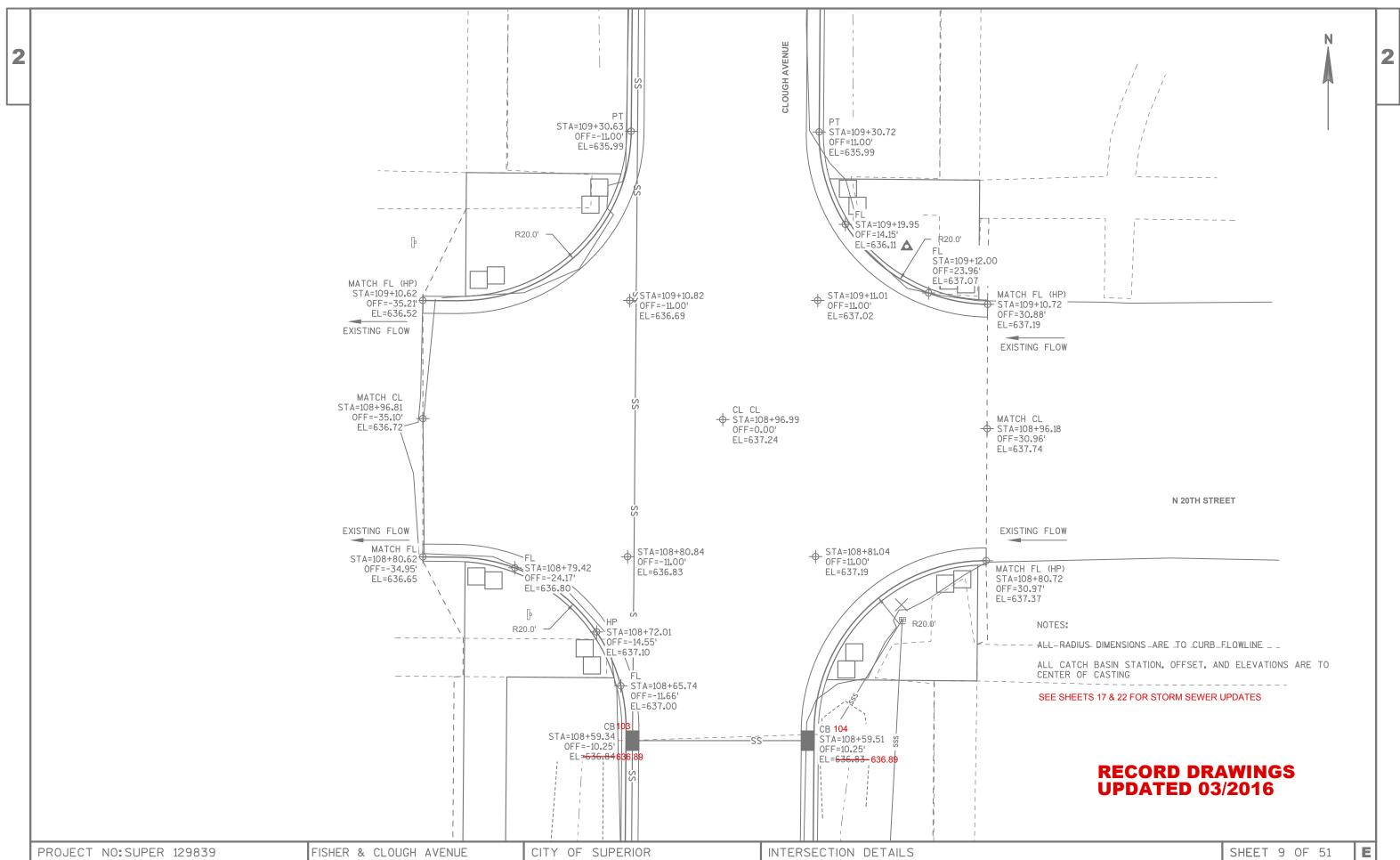
FILE NAME : S:\PT\S\SUPER\129839\7-CONST-SVCS\76-RECORD-DRWG\DWGS\SU129839DT2.DWG LAYOUT NAME - INTERSECTION DETAILS PLOT DATE : 5/31/2016 10:00 AM PLOT BY : TYLER YNGSDAL

		N		2
₽				
FL +08.20 7' D6 ISTING FLOW				
CL +93.50 1' 30				
N 20TH 3	STREET			
ISTING FLOW L +78.19 4' 00				
DTES: LL RADIUS DIMENSIONS ARE TO CURB I LL CATCH BASIN STATION, OFFSET, AN ENTER OF CASTING E SHEETS 19 & 23 FOR STORM STRUCTU	ND ELEVATIONS	ARE TO		
RECORD DRA UPDATED 03/		5		
	SHEET 6	OF 51	E	



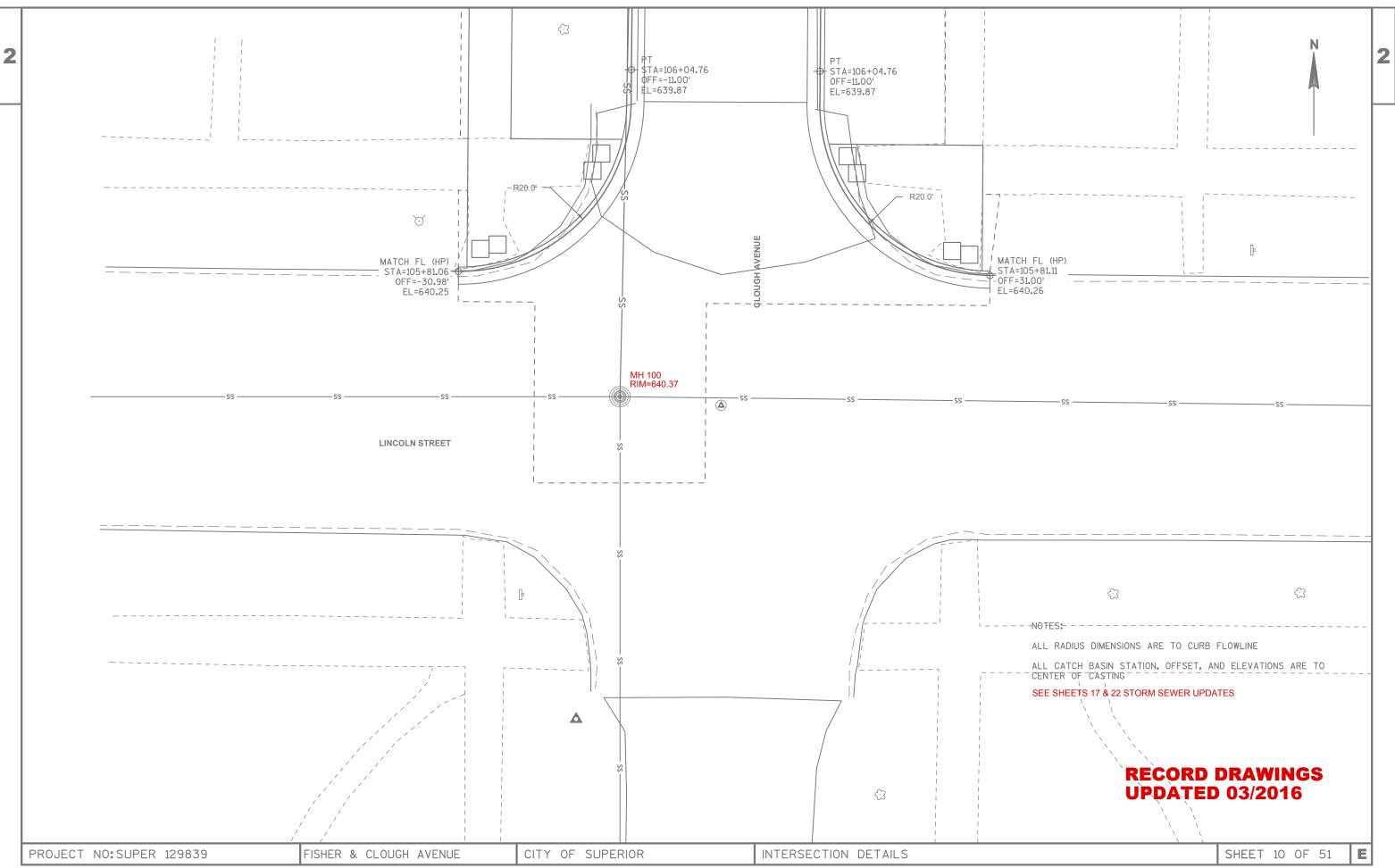


FILE NAME :S:\PT\S\SUPER\129839\7-CONST-SVCS\76-RECORD-DRWG\DWGS\SU129839DT4.DWG LAYOUT NAME - INTERSECTION DETAILS PLOT DATE : 5/31/2016 10:01 AM PLOT BY : TYLER YNGSDAL

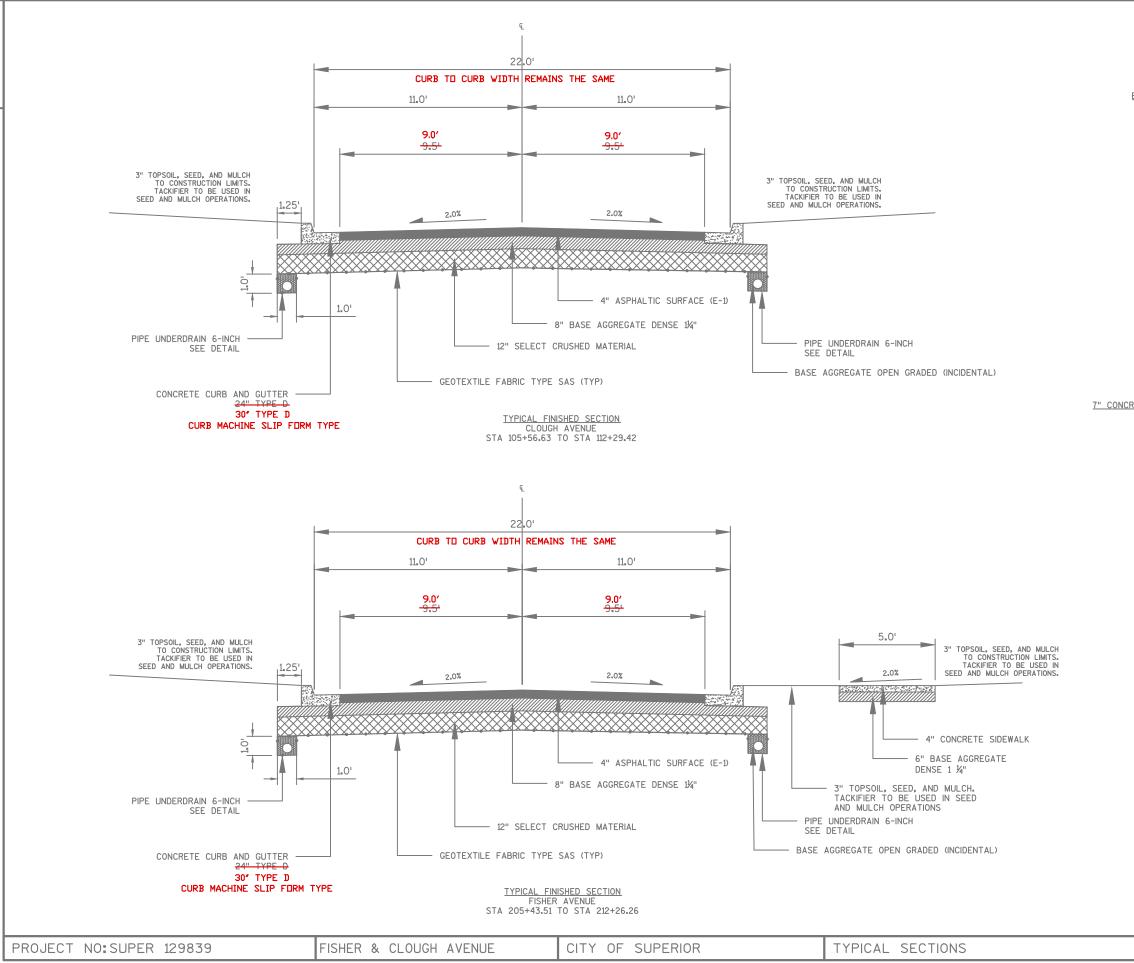


FILE NAME : S:\PT\S\SUPER\129839\7-CONST-SVCS\76-RECORD-DRWG\DWGS\SU129839DT5.DWG LAYOUT NAME - INTERSECTION DETAILS PLOT DATE : 5/31/2016 10:02 AM PLOT BY : TYLER YNGSDAL PLOT NAME :

PLOT SCALE : 1 IN:10 FT



FILE NAME : S:\PT\S\SUPER\129839\7-CONST-SVCS\76-RECORD-DRWG\DWGS\SU129839DT6.DWG LAYOUT NAME - INTERSECTION DETAILS PLOT DATE : 5/31/2016 10:03 AM PLOT BY : TYLER YNGSDAL PLOT NAME :

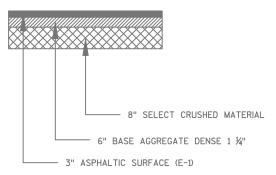


FILE NAME : S:\PT\S\SUPER\129839\7-CONST-SVCS\76-RECORD-DRWG\DWGS\SU129839TY1.DWG

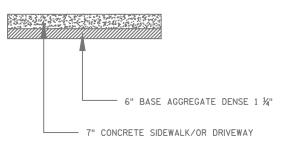
2

PLOT BY : TYLER YNGSDAL

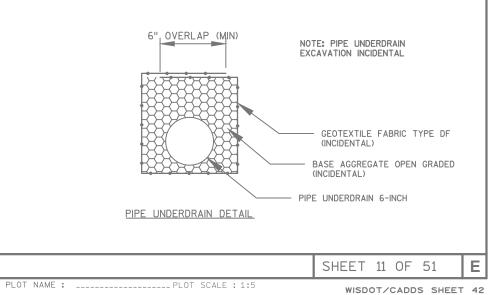
BITUMINOUS DRIVEWAY AND ALLEY SECTION



7" CONCRETE DRIVEWAY AND 7" CONCRETE WALK SECTION



### RECORD DRAWINGS UPDATED 03/2016



NOTES:		
1	QUANTITY INCLUDES ALL REMOVAL (I.E. CURB, PAVEMENT) VOLUMES	
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	PAYMENT INCLUDES TACK COAT	
5	PAYMENT INCLUDES BASE AGGREGATE OPEN GRADED	
6	CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLAN TO ENGINEER FOR APPROVAL	
7	PAYMENT INCLUDES INTERNAL AND EXTERNAL CHIMNEY SEAL	
8	QUANTITY ASSUMES PLASTIC STORM SEWER PIPE IS USED. NO ADJUSTMENT IN UNIT PRICE IF RIGID PIPE IS USED WHICH DOES NOT REQUIRE DEFLECTION TESTS.	
9	SHALL BE PLACED BY METHOD B, TACKIFIER	
10	TRACER WIRE INCIDENTAL	
11	SEE DRAWINGS FOR CASTING DIMENSIONS	
12	SUMP DEPTH SHALL BE 0' FOR ALL STORM STRUCTURES	

<b>RECORD</b>	<b>DRAWINGS</b>
UPDATED	03/2016

DTE	ITEM NO.			UNIT	QUANTITY
_	201.0120	CLEARING		ID	110 <del>90</del>
_	201.0220	GRUBBING		ID	110 -90-
_	203.0100	REMOVING SMALL PIPE CULVERTS		EACH	16 <del>16</del>
_	204.0100		(D)	SY	424 88
+	204.0110	REMOVING ASPHALTIC SURFACE	(P)	SY	3,762 3,762
+	204.0150	REMOVING CURB & GUTTER	(P)	LF	467 316
+	204.0155	REMOVING CONCRETE SIDEWALK		SY	493 334
+	204.0210	REMOVING MANHOLES REMOVING CATCH BASINS		EACH	4 -6-
_	204.0215		(P)	EACH	8 <del>7</del> 4,894-4,894
1	205.0100		(1)	CY CY	
+			(P)	CY	0 <del>-50 </del> 1,453 <del>1,453</del>
+	305.0125 312.0115	BASE AGGREGATE DENSE 1 1/4-INCH SELECT CRUSHED MATERIAL	(P)	CY	1,765 <del>1,765</del>
+			(1)	SY	616 <del>774</del>
+	416.0170	CONCRETE DRIVEWAY 7-INCH DRILLED DOWEL BARS		EACH	83 <del>108</del>
3,4	465.0105	ASPHALTIC SURFACE		TON	1,087 <del>964</del>
,,-	601.0411.S	CONCRETE CURB & GUTTER <del>24-INCH</del> TYPE D <b>30-INCH</b>		LF	2,795 <del>2,695</del>
+	602.0405	CONCRETE SIDEWALK 4-INCH		SF	13,050 <del>7,543</del>
+	602.0515	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA		SF	328 <del>352</del>
+	604.0600.S.01	STORM SEWER PIPE 12-INCH HDPE		LF	328 <del>302</del> 332 <del>304</del>
+	604.0600.S.02	STORM SEWER PIPE 24-INCH HDPE		LF	777 777
+	604.0600.S.03	STORM SEWER PIPE 30-INCH HDPE		LF	588 <del>588</del>
+	604.0600.S.04	STORM SEWER PIPE 48-INCH RCP		LF	33 <del>20</del>
11	611.0560	MANHOLE COVERS SPECIAL		EACH	3 -3-
11	611.0669	INLET COVERS TYPE SPECIAL		EACH	21 -21
2	611.1004	CATCH BASINS 4-FT DIAMETER		EACH	5 -5-
2	611.1005	CATCH BASINS 5-FT DIAMETER		EACH	6 -6-
2	611.1230	CATCH BASINS 2X3-FT		EACH	10 -10-
$\neg$	611.2005	MANHOLES 5-FT DIAMETER		EACH	1 _
$\neg$	611.2008	MANHOLES 8-FT DIAMETER		EACH	2 -2-
,	611.8110.S	ADJUSTING MANHOLE COVERS		EACH	3 -3-
;	612.0106	PIPE UNDERDRAIN 6-INCH		LF	2,490 2,712
	619.1000	MOBILIZATION		EACH	1 -1-
	625.0105	TOPSOIL TO BE COMPLETED IN SPRING 2016		CY	0 -280
	627.0200	MULCHING TO BE COMPLETED IN SPRING 2016		SY	0-3,333
	628.7015	INLET PROTECTION TYPE C		EACH	28 - <del>20</del>
	628.7560	TRACKING PADS		EACH	2 -2-
	630.0110	SEEDING MIXTURE NO. 10 TO BE COMPLETED IN SPRING 2016		LB	0 45-
;	643.0100	TRAFFIC CONTROL (PROJECT)		EACH	1 -+-
	645.0140	GEOTEXTILE FABRIC TYPE SAS	(P)	SY	5,033 <del>-5,033</del>
	690.0150	SAWING ASPHALT		LF	635 <del>426</del>
	690.0250	SAWING CONCRETE		LF	221 <del>317</del>
11	SPV.0060.01	SANITARY SEWER CASTING		EACH	1 -+-
	SPV.0060.02	SANITARY MANHOLE, 48-INCH		EACH	1 -1-
	SPV.0060.03	CONNECT TO EXISTING SEWER, 8-INCH TO 12-INCH		EACH	5 -4-
	SPV.0060.04	CONNECT TO EXISTING SEWER, 15-INCH TO 24-INCH		EACH	1 -1-
	SPV.0060.05	CONNECT TO EXISTING SEWER, 48-INCH		EACH	4 -4-
	SPV.0060.06	BULKHEAD		EACH	9 -4-
	SPV.0060.07	SALVAGE AND REINSTALL SIGN		EACH	25 <del>16</del>
	SPV.0060.08	SALVAGE AND REINSTALL CATCH BASIN		EACH	1 -1-
	SPV.0090.01	REMOVE SEWER, 6-INCH TO 18-INCH		LF	394 <del>- 698 -</del>
	SPV.0090.02	REMOVE SEWER, 48-INCH		LF	24 <del>-20</del> -
D	SPV.0090.03	SANITARY SEWER MAIN 10-INCH		LF	4 -5-
<del>0</del>	SPV.0090.04	-SANITARY SEWER MAIN 12-INCH- NOT IN BID TAB		-LF	<del>50-</del>
	SPV.0090.05	SEWER FIELD QUALITY CONTROL - TELEVISING		LF	1,781 <del>1744</del>
3	SPV.0090.06	SEWER FIELD QUALITY CONTROL - DEFLECTION TEST		LF	1,744 <del>1744</del>
	SPV.0105.01	CONSTRUCTION STAKING		LUMP SUM	1 -1-
	XTRA WORK ITEMS	- - CHANGE ORDER 1 (SANITARY SEWER), CHANGE ORDER 2 (STOR IAL SIDEWALK, FAXON REALIGNMENT), AND LIQUIDATED DAMAGES			

PROJECT NO:SUPER 129839

3

HWY: FISHER & CLOUGH AVENUE CITY OF SUPERIOR

ESTIMATED QUANTITIES PLOT DATE : 5/31/2016 10:04 AM

PLOT NAME :

FILE NAME : S:\PT\S\SUPER\129839\7-CONST-SVCS\76-RECORD-DRWG\DWGS\SU129839EQ.DWG LAYOUT NAME - STATEMENT OF ESTIMATED QUANTITIES

PLOT BY : TYLER YNGSDAL

3

PLOT SCALE : #########

WISDOT/CADDS SHEET 42

E

		LAN HAS BEEN DEVELOPED TO ADDRESS THE TO DISCHARGE UNDER THE WISCONSIN POLLUTANT PERMIT NO. WI-SO67831-4.	(DOCUMENTAT		PPLICABLE MU	<u>JLATIONS:</u> JNICIPAL REGULATORY PROV MENTS OF THIS PERMIT.)	VISIONS, COMPLIANCE	EROSION AND SEDIMENT C THE CONTRACTOR SHALL CONTROL MEASURES IN C TECHNICAL STANDARDS S
	PROJECT INFORMATION:	COJECT INFORMATION:		TYPE OF PERMIT/REVIEW REQUIRED		D ACTIONS/HOW COMPLIANC	CONTROL MEASURES SUCH	
		VENUE & CLOUGH AVENUE SPANNING FROM STREET TO NORTH 19TH STREET		N/A		N/A		(WDNR TECHNICAL STANDA
		0, -92.0897800	SITE SOIL INF	FORMATION:				STONE TRACKING PADS S 50-FEET LONG AND 12-IN
	PROJECT DESCRIPTION: STREET A	AND STORM SEWER RECONSTRUCTION	(SITE SOIL IN	FORMATION PROV		WPDES PERMIT INFORMATIO		BE PLACED IN LOCATIONS AS DIRECTED BY ENGINEE
	LAND DISTURBING ACTIVITIES: EXCAVATION	ON AND GRADING				GS WEB SOIL SURVEY. THE CONSTRUCTION PURPOSES.		MAINTENANCE OF THE ST
	CONTACTS:			SOIL NAME:		HYDROLOGIC CL	ASSIFICATION:	DISTURBED SOILS SHALL ANY DISTURBED SOIL NO
	OWNER: CITY OF SUPERIOR		AMNI	CON-CUTTRE CO	MPLEX	D		BE TEMPORARY SEEDED
	CONTACT: STEVE ROBERTS ADDRESS: 51 EAST FIRST STREET			TERC				EXISTING VEGETATION SH
	PHONE: (715) 394-0392		RECEIVING WA		TYPE		THE	OF THE CONSTRUCTION S SEQUENCE.
	EMAIL: ROBERTSS@CI.SUPERIOR.WI.	US	ID	NAME	TYPE	IMPAIRMENTS ASNRI ENDANGERED	TMDL	EROSION AND SEDIMENT (
			2751220	SUPERIOR	LAKE	THREATENED OR SPECIAL CONCERN AREA.	NO	OF DISCHARGE OF SEDIME FROM EROSIVE FLOWS AT
	ENGINEER: SHORT ELLIOTT HENDRICK CONTACT: DAN HINZMANN, PE	SUN INC. (SEH)	2131220	SUFERIOR	LANE	CONTAMINATED FISH	NO	
	PHONE: (218) 279-3010					TISSUE CONTAMINATED FISH		EROSION AND SEDIMENT ( INLETS.
	EMAIL: DHINZMANN@SEHINC.COM		2843800 ST. LOUIS RI	RIVER	TISSUE, CHRONIC AQUATIC TOXICITY,	IN TMDL DEVELOPMENT STAGE	EROSION AND SEDIMENT (	
	PROJECT NO. SUPER 129839					CONTAMINATED SEDIMENT		FLOW AT ALL AREAS OF OUTFALL CONTROLS.
	PROJECT SUMMARY:		2843700	FAXON	CREEK	NONE	NO	RAPID STABILIZATION AND
	TOTAL PROJECT AREA:	1.97 AC						LIMIT RUNOFF AND THE [
5	TOTAL DISTURBED AREA:	1.97 AC	PULLUIANIS	OF CONCERN AF	(E NUI RELAI	ED TO CONSTRUCTION ACT	IVIIIES.	ALL OFFSITE SEDIMENT D
		ICES SHALL BE CONSTRUCTED OR INSTALLED BEFOR IES BEGIN AND IN ACCORDANCE WITH THE PLAN	MINIMUM, WILL E DISCHARGE OF		REDUCE WITH TO WATER B			STORM EVENT SHALL BE ALLOWED. ANY SOIL EROSION THAT STABILIZED MEASURES MI
	EROSION AND SEDIMENT CONTROL PRACT	ICES SHALL BE MAINTAINED UNTIL FINAL	DOES THE FI	CODECT DISCHARC	DE TO AN ON		110	ALL TEMPORARY EROSION
	STABILIZATION.		DOES THE PROJECT DISCHARGE TO A FISH AND AQUATIC LIFE WATER? NO					STABILIZED WITH 70% VE THE WDNR. CONTRACTOR
	FINAL STABILIZATION ACTIVITY SHALL CC AND FINAL GRADE HAS BEEN REACHED C	MMENCE WHEN LAND DISTURBING ACTIVITIES CEASE	INSPECTIONS AND MAINTENANCE: All inspections, maintenance, repairs, replacements, and removal of erosion and					FINAL SITE STABILIZATION
	TEMPORARY STABILIZATION ACTIVITIES SH		SEDIMENT CON BROSION AND	NTROLS ARE TO SEDIMENT CONTI	BE CONSIDERI Rols shall e	ed incidental to the BMF Be inspected weekly by	P BID ITEMS. The contractor and	WIND EROSIONS SHALL BI OR A TACKING AGENT M/ RESOURCES.
		FOR EROSION AND SEDIMENT CONTROL SHALL BE	REPAIR OR RE	PLACEMENT OF	EROSION AND	T OF 0.5 INCHES OR GREA SEDIMENT CONTROLS AS N N OR NOTIFICATION INDICATI	NECESSARY WILL	CONTRACTOR SHALL REM ACCEPTANCE AND ESTAB
	IMPLEMENTATION SEQUENCE:			ENT IS NEEDED.				CONTRACTOR SHALL COO STOCKPILE IS TO REMAIN
	1. INSTALL ROCK CONSTRUCTION E	ENTRANCE(S)	INSPECTIONS SHALL BE DOCUMENTED AND DOCUMENTATION SHALL INCLUDE:					CONTROL PRACTICES SHA
	2. INSTALL PERIMETER CONTROL A	AND STABILIZE DOWN GRADIENT BOUNDARIES	47%4 THE DATE	, TIME AND EXA	CT LOCATION	OF THE INSPECTION		FOR DORMANT SEEDING (
	3. COMPLETE SITE GRADING	ER, INLET PROTECTION, CURB & GUTTER, PAVING	4164 AN ASSES	SMENT OF THE	CONDITION OF	FORMED THE INSPECTION EROSION AND SEDIMENT CO		IF WHAT IS SPECIFIED. A AFTER THE THREAT OF
	4. INSTALL UTILITIES, STORM SEW		PERFORME	D IN RESPONSE	TO THE INSPE			POLLUTION PREVENTION: ALL WASTE, AND UNUSE
	6. REMOVE ANY ACCUMULATED SE		4764 A DESCRIP	TION OF THE PF	RESENT PHASE	OF THE CONSTRUCTION A	T THE SITE	WASTES, WÁSTEWATER, C Allowed to be carried
								FUELING AND VEHICLE M
								MAINTAINED TO REDUCE M WATERS OF THE STATE EXTENT PRACTICABLE.
								THE CONTRACTOR SHALL RESPONSE PROCEDURES.
						<b>RECORD DRA</b>	WINGS	NO COAL TAR-BASED SE.
						UPDATED 03/	2016	

PROJECT NO: SUPER 129839

5

FISHER & CLOUGH AVENUE

CITY OF SUPERIOR

EROSION CONTROL PLAN

FILE NAME :S:\PT\S\SUPER\129839\7-CONST-SVCS\76-RECORD-DRWG\DWGS\SU129839SW01.DWG FISHER & CLOUGH AVENUE STORM SEWER - EROSION CONTROL PLAN PLOT DATE : 5/31/2016 10:06 AM PLOT BY : TYLER YNGSDAL PLOT NAME :

**NO SHEET CHANGES** 

CONTROL BEST MANAGEMENT PRACTICES: L BE RESPONSIBLE FOR MAINTAINING ALL THE EROSION AND SEDIMENT CONFORMANCE WITH THE WDNR TECHNICAL STANDARDS. WDNR SHALL BE REVIEWED AND FOLLOWED FOR EROSION AND SEDIMENT JCH AS DUST CONTROL (WDNR TECHNICAL STANDARD 1068), MULCHING IDARD 1058), OR OTHER STANDARD PRACTICES AS NEEDED.

SHALL BE THE FULL WIDTH OF THE EGRESS POINT, A MINIMUM OF -INCH DEPTH (3"-6" CLEAR STONE). STONE TRACKING PADS SHALL NS AS REQUIRED BY CONTRACTOR ACCESS NEEDS AND STAGING OR EER. WDNR TECHNICAL STANDARD 1057 SHALL BE FOLLOWED FOR THE STONE TRACKING PADS.

L BE STABILIZED IMMEDIATELY AFTER FINAL GRADING IS COMPLETE. IOT ANTICIPATED TO BE REMOVED OR GRADED WITHIN 7 DAYS SHALL O OR OTHERWISE PROTECTED.

SHALL BE PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS SITE SHALL BE STABILIZED FOLLOWING COMPLETION OF ANY

T CONTROL MEASURES SHALL BE USED TO PREVENT OR REDUCE ALL IMENT FROM DRAINAGE WAYS THAT FLOW OFF SITE AND SEDIMENT AT OUTLETS AND IN DOWNSTREAM CHANNELS.

CONTROL MEASURES SHALL BE USED AT ALL DOWNSLOPE DRAINAGE

CONTROL MEASURES SHALL BE USED TO MANAGE ALL OVERLAND OF THE CONSTRUCTION SITE, UNLESS OTHERWISE CONTROLLED BY

ND EROSION AND SEDIMENT CONTROL MEASURES SHALL BE USED TO E DISCHARGE OR POLLUTANTS FROM THE CONSTRUCTION SITE.

DEPOSITS OCCURRING AS A RESULT OF CONSTRUCTION WORK OR A BE CLEANED UP BY THE END OF EACH DAY, FLUSHING SHALL NOT BE

AT OCCURS AFTER FINAL GRADING AND/OR THE APPLICATION OF MUST BE REPAIRED AND THE WORK REDONE.

ION CONTROL INSTALLATIONS SHALL BE MAINTAINED UNTIL THE SITE IS VEGETATION AND A NOTICE OF TERMINATION HAS BEEN APPROVED BY OR SHALL BE RESPONSIBLE FOR EROSION CONTROL MEASURES UNTIL ION.

BE KEPT TO A MINIMUM DURING CONSTRUCTION. WATERING, MULCH, MAY NEED TO BE UTILIZED TO PROTECT NEARBY RESIDENCES/WATER

EMOVE TEMPORARY EROSION CONTROL BMPS UPON PROJECT Ablished (70% Min) Turf.

DORDINATE WITH ENGINEER ON TEMPORARY STOCKPILE LOCATIONS. IF NIN IN PLACE FOR MORE THAN 7 DAYS EROSION AND SEDIMENT HALL BE USED TO PREVENT OR REDUCE THE DISCHARGE OF SEDIMENT.

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

ED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING OR TOXIC MATERIALS) SHALL BE PROPERLY DISPOSED OF AND NOT ED OFFSITE BY RUNOFF OR WIND.

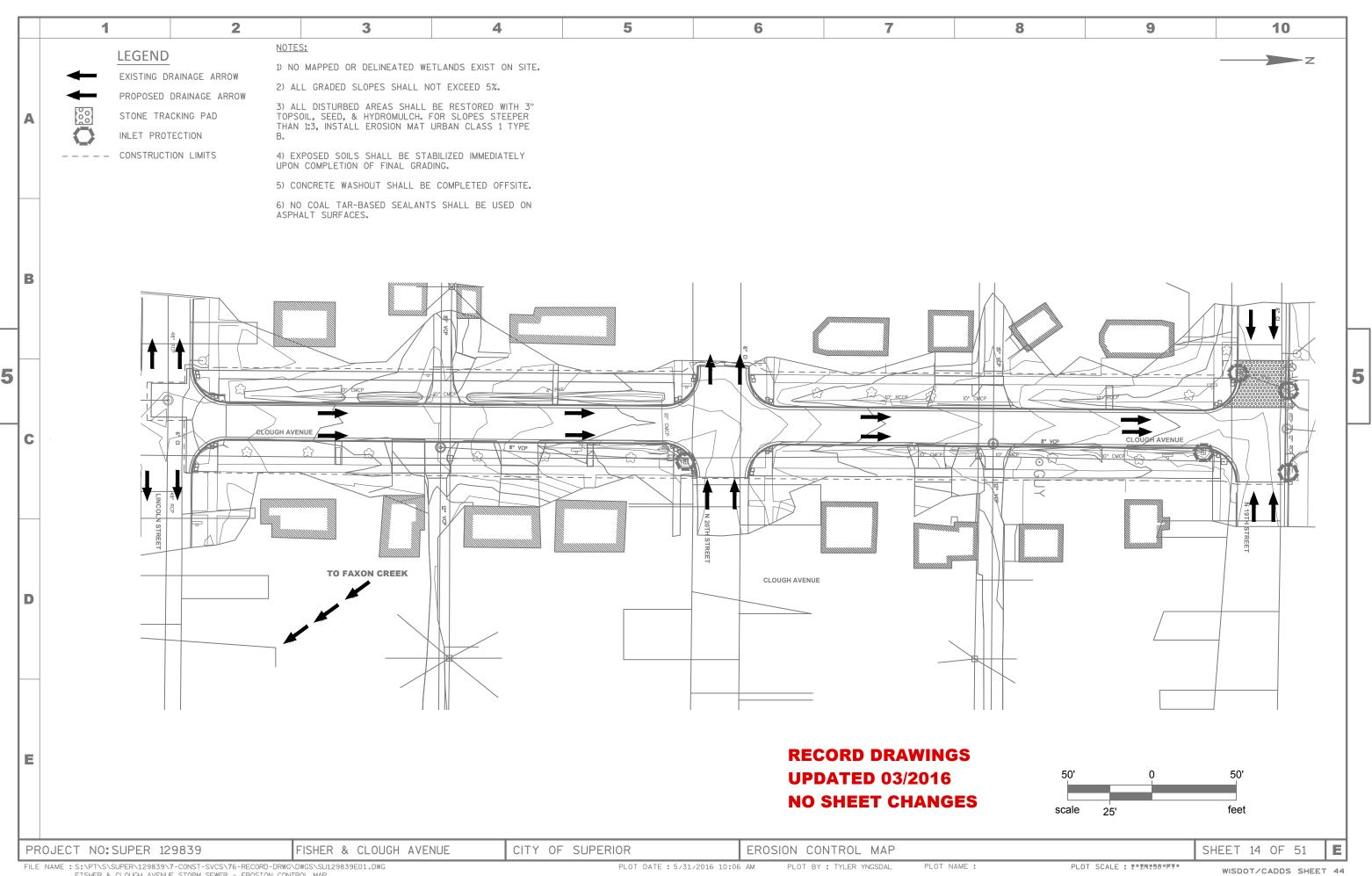
MAINTENANCE AREAS SHALL HAVE BMPS DESIGNED, INSTALLED, AND E PETROLEUM WITHIN RUNOFF, SO THAT THE RUNOFF THAT ENTERS E CONTAINS NO VISIBLE PETROLEUM SHEEN, OR TO THE MAXIMUM

L DEVELOP AND IMPLEMENT SITE SPECIFIC SPILL PREVENTION AND

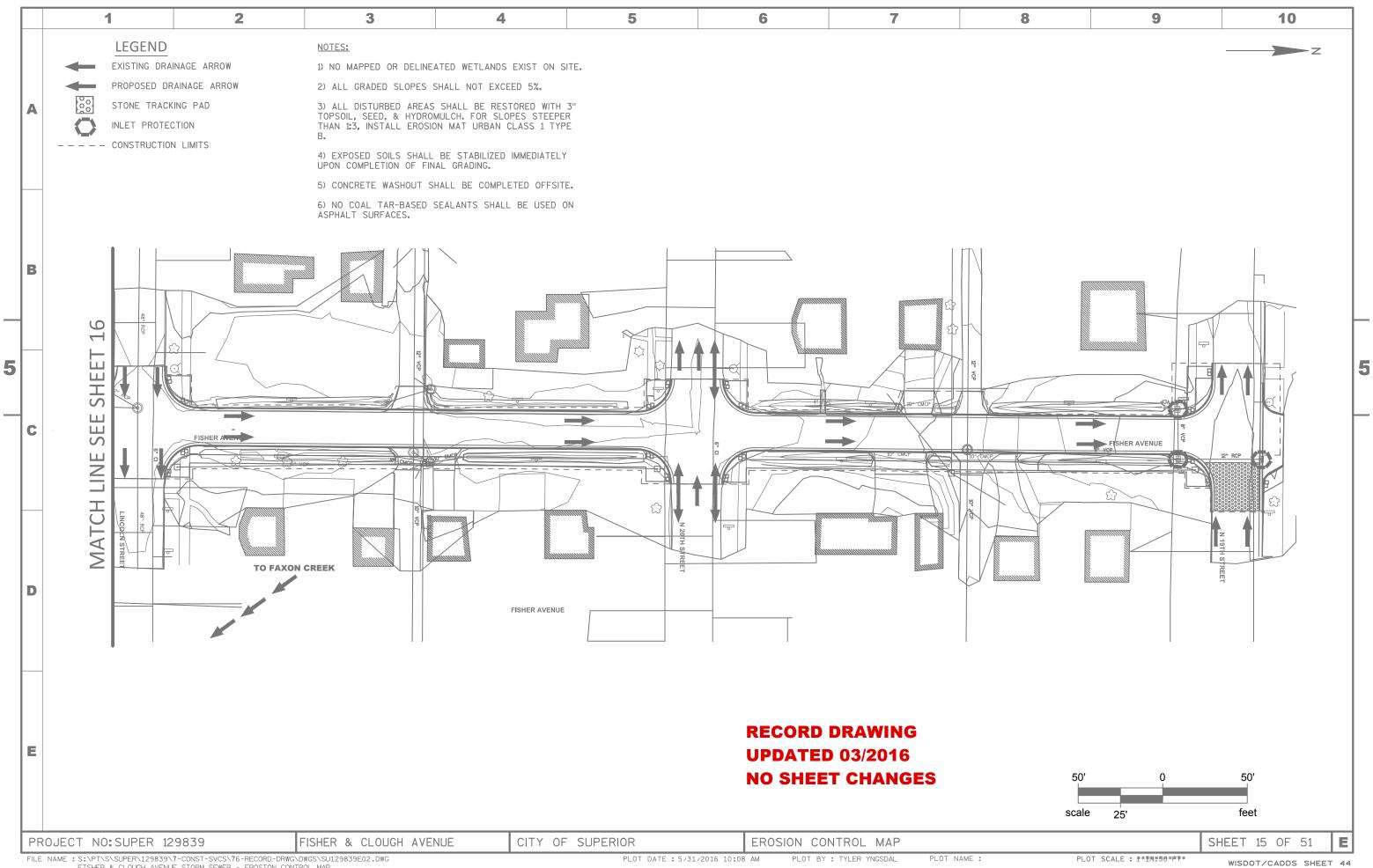
SEALANTS SHALL BE USED ON ASPHALT SURFACES.

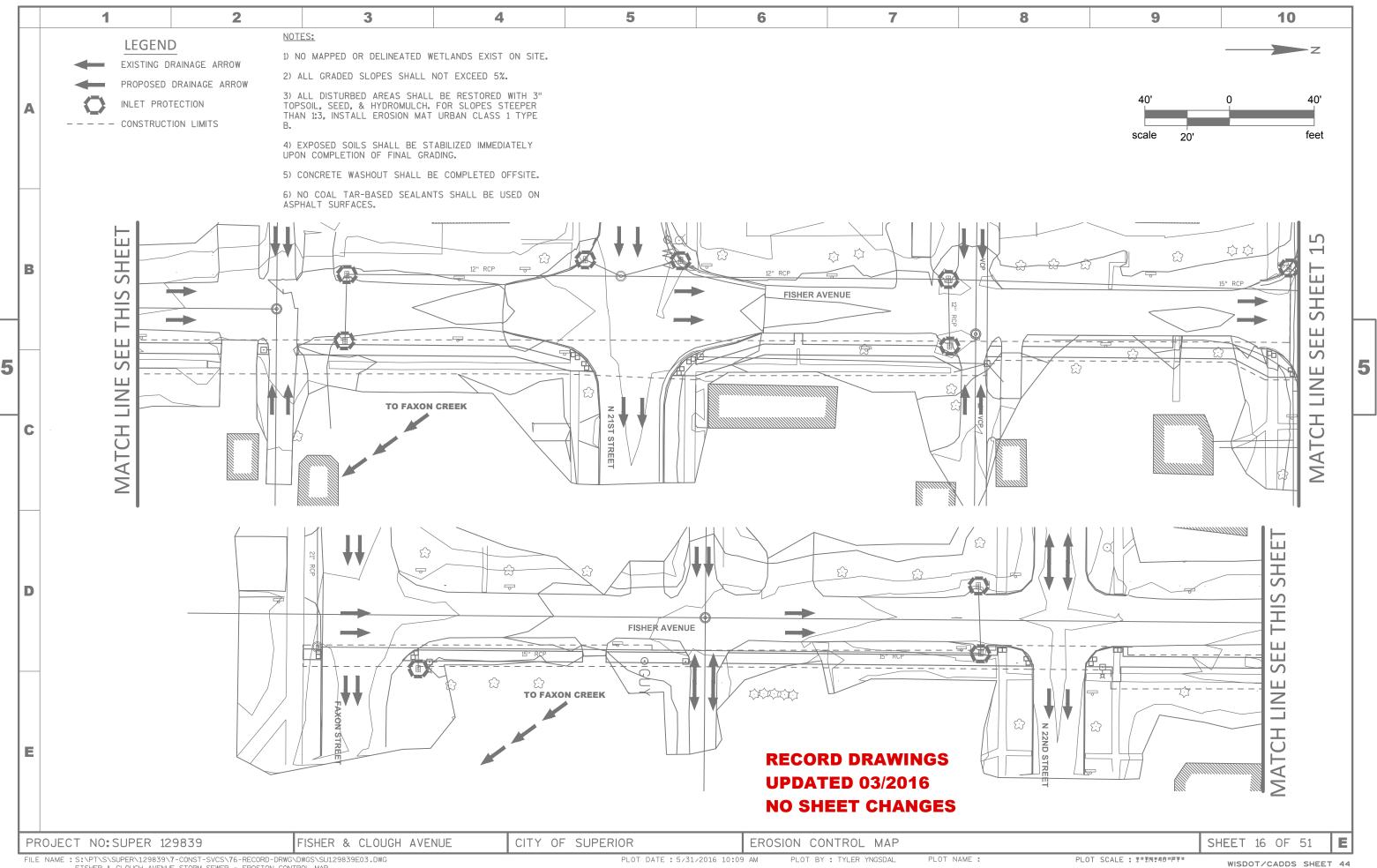
SHEET 13 OF 51

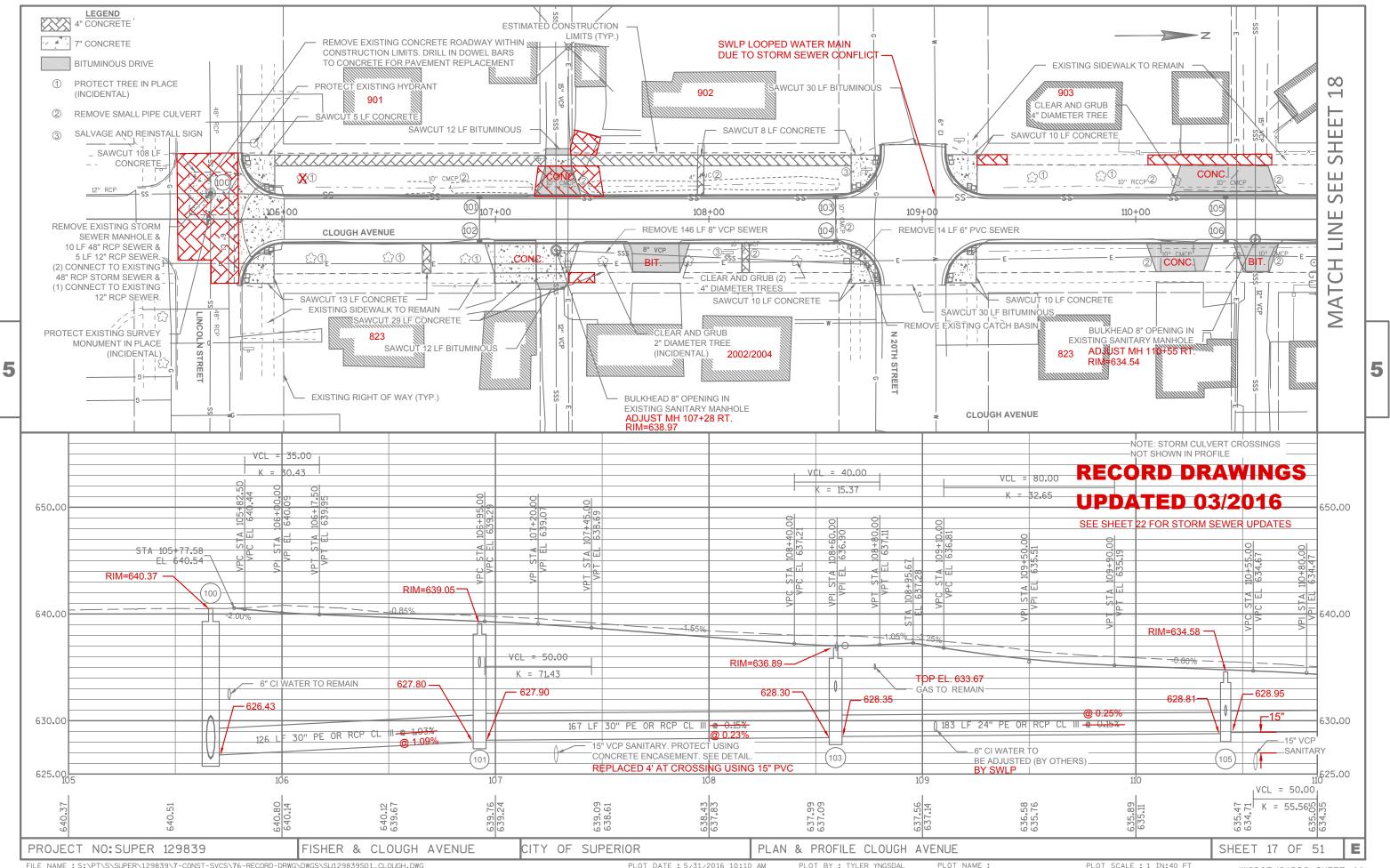
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FILE NAME :S:\PT\S\SUPER\129839\7-CONST-SVCS\76-RECORD-DRWG\DWGS\SU129839E01.DWG FISHER & CLOUGH AVENUE STORM SEWER - EROSION CONTROL MAP

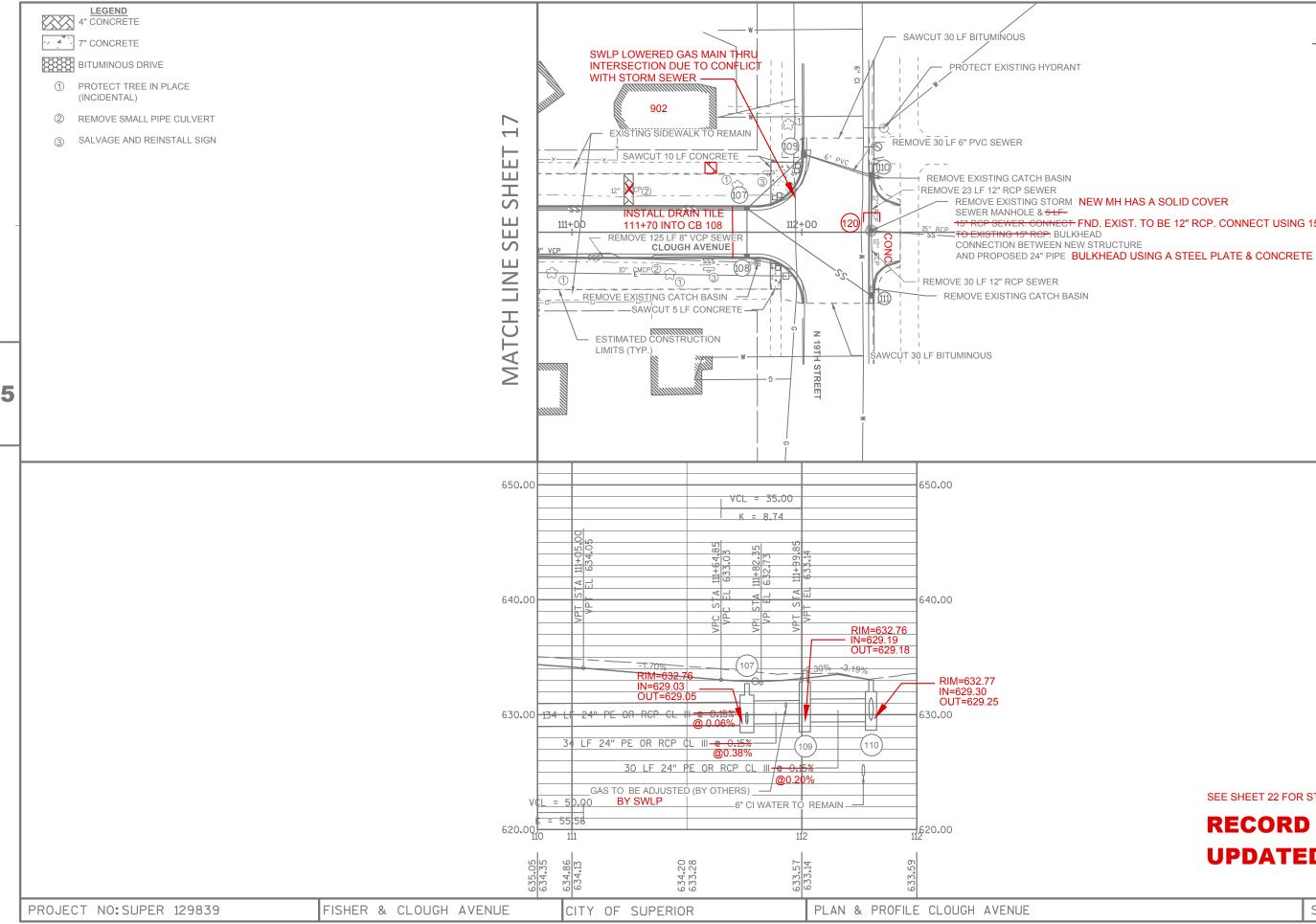






FILE NAME : S:\PT\S\SUPER\129839\7-CONST-SVCS\76-RECORD-DRWG\DWGS\SU129839S01\_CLOUGH.DWG

PLOT DATE : 5/31/2016 10:10 AM PLOT BY : TYLER YNGSDAL



FILE NAME : S:\PT\S\SUPER\129839\7-CONST-SVCS\76-RECORD-DRWG\DWGS\SU129839S02\_CLOUGH.DWG

PLOT NAME : PLOT DATE : 5/31/2016 10:11 AM PLOT BY : TYLER YNGSDAL

SHEET 18 OF 51

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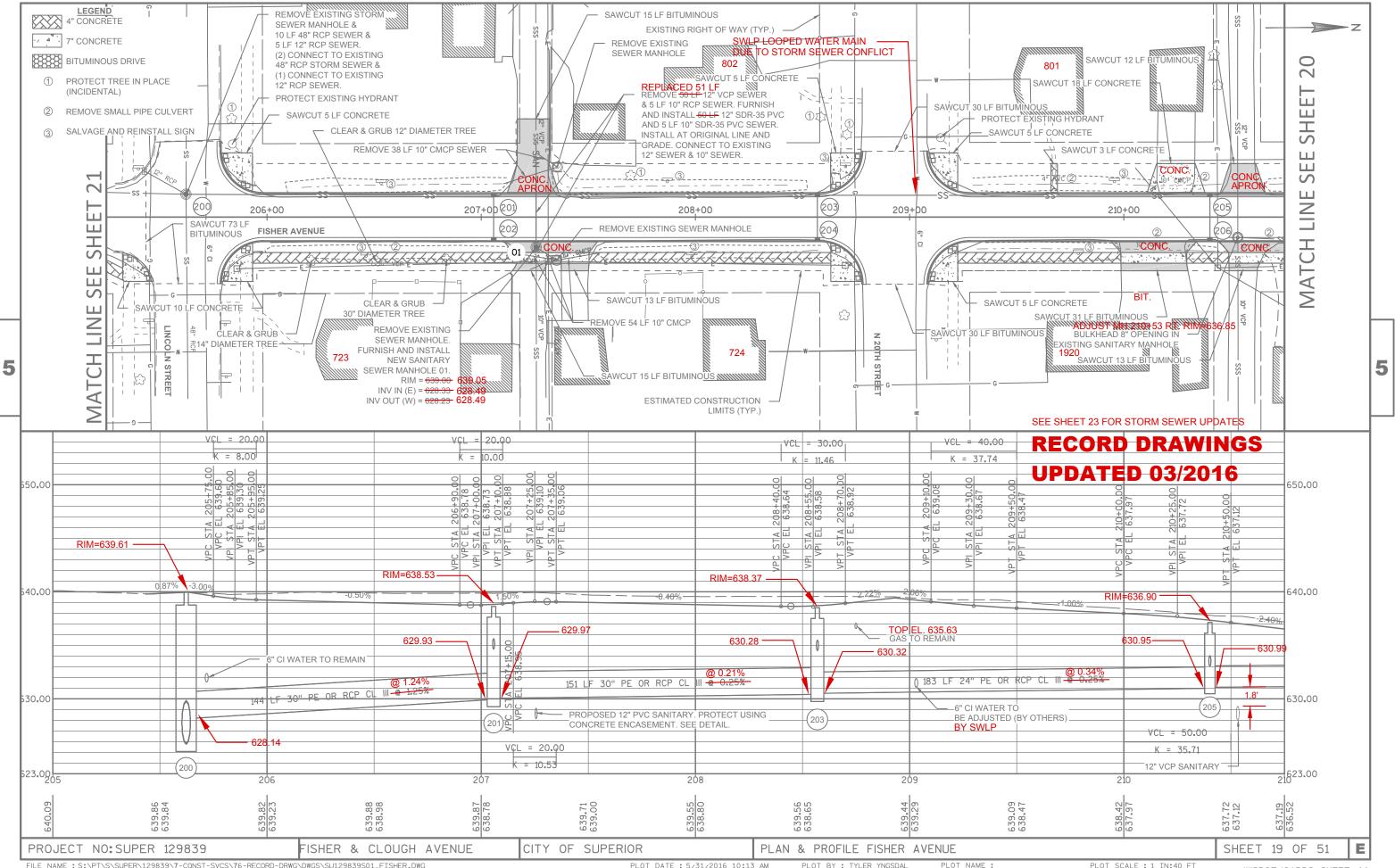
## **RECORD DRAWINGS UPDATED 03/2016**

SEE SHEET 22 FOR STORM SEWER UPDATES

5

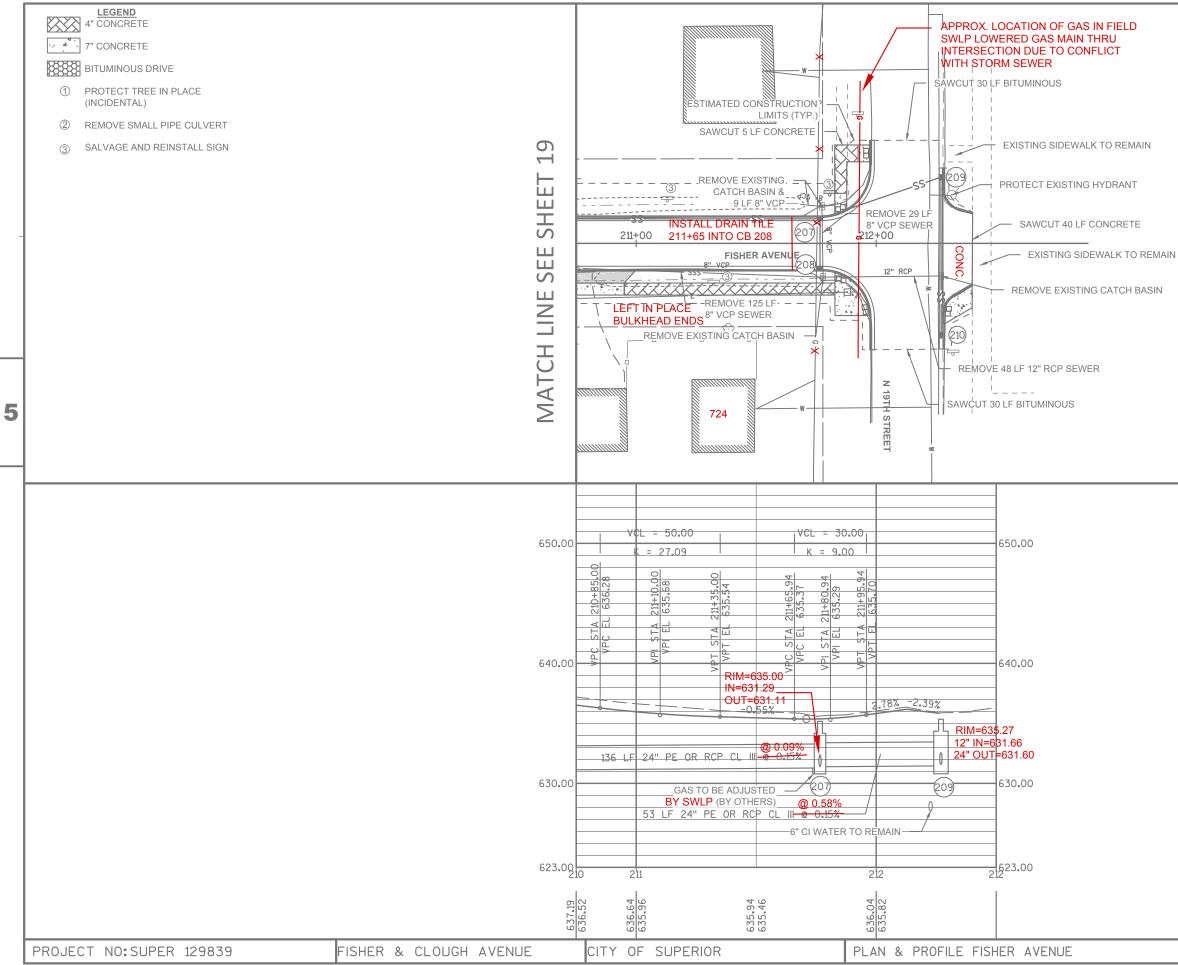
15" RCP SEWER: CONNECT FND. EXIST. TO BE 12" RCP. CONNECT USING 15" PVC AND CONC. COLLAR

Z



FILE NAME : S:\PT\S\SUPER\129839\7-CONST-SVCS\76-RECORD-DRWG\DWGS\SU129839S01\_FISHER.DWG

PLOT DATE : 5/31/2016 10:13 AM PLOT BY : TYLER YNGSDAL



FILE NAME : S:\PT\S\SUPER\129839\7-CONST-SVCS\76-RECORD-DRWG\DWGS\SU129839S02\_FISHER.DWG

PLOT BY : TYLER YNGSDAL PLOT NAME : PLOT DATE : 5/31/2016 10:14 AM

SHEET 20 OF 51

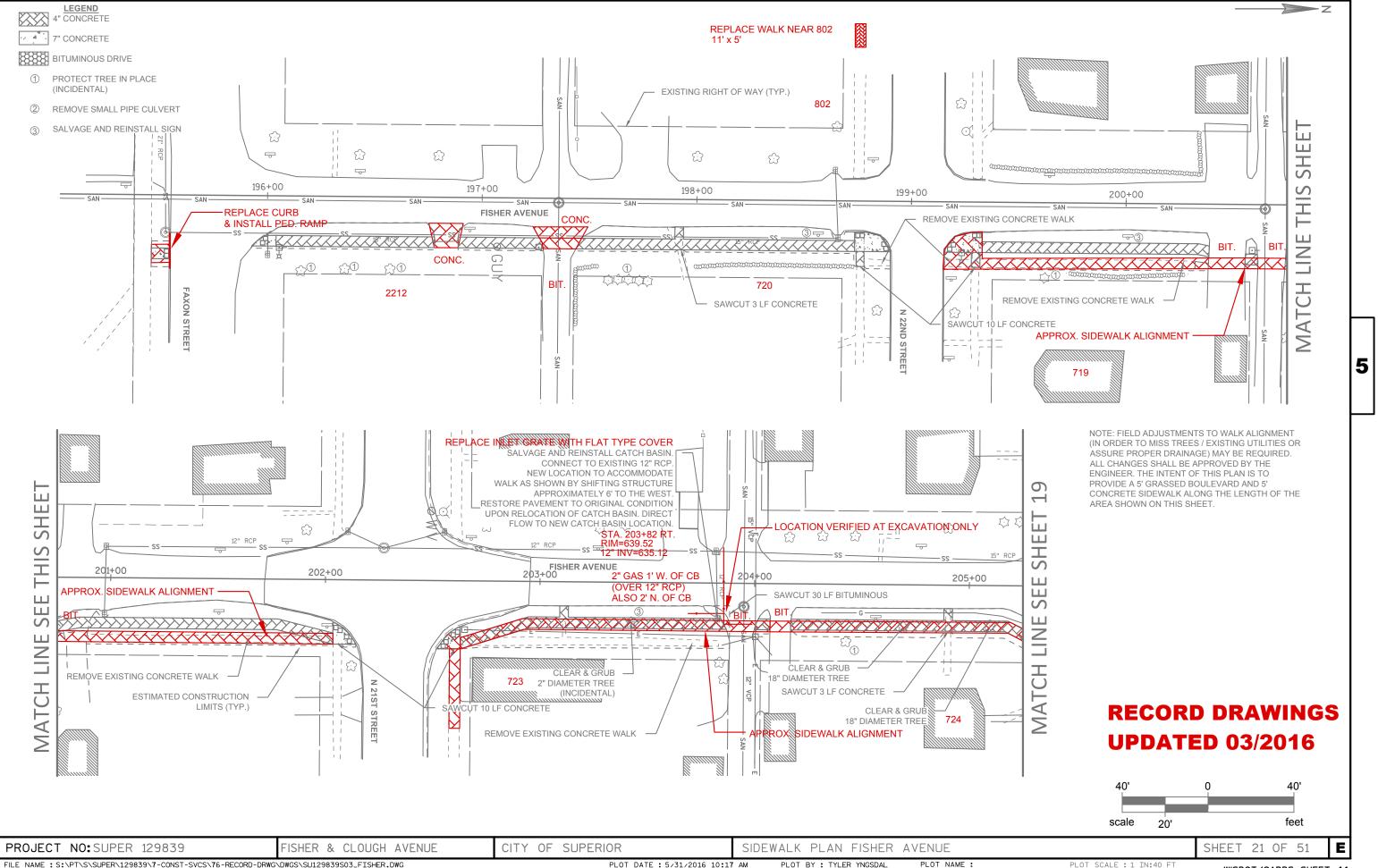
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## **RECORD DRAWINGS UPDATED 03/2016**

SEE SHEET 23 FOR STORM SEWER UPDATES

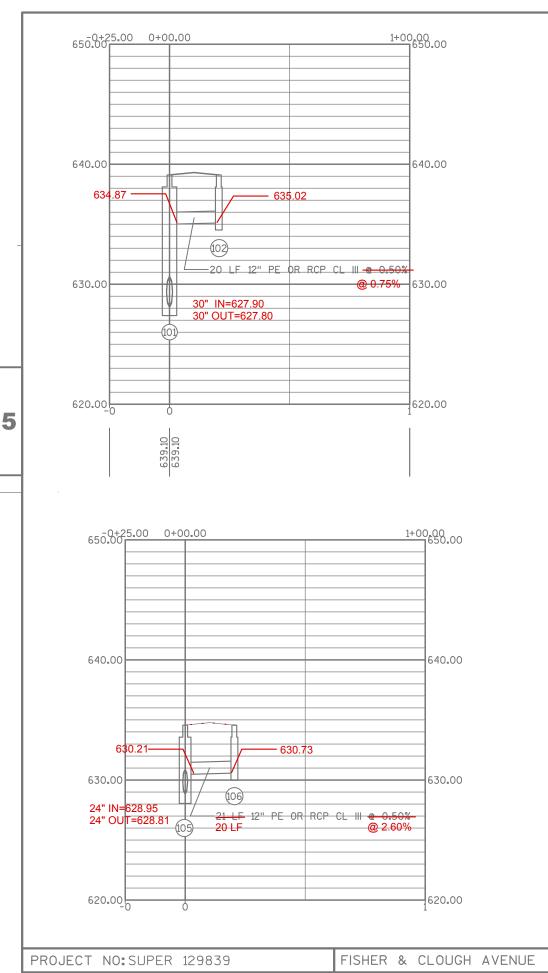
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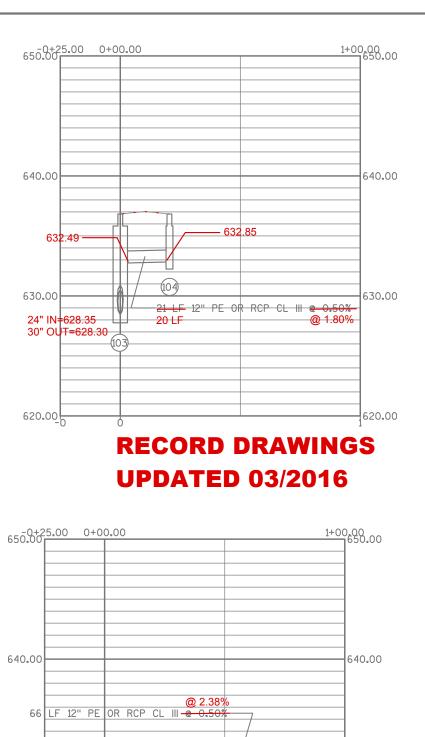
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FILE NAME : S:\PT\S\SUPER\129839\7-CONST-SVCS\76-RECORD-DRWG\DWGS\SU129839S03\_FISHER.DWG LAYOUT NAME - SIDEWALK PLAN

PLOT NAME :





629.33-

630.00

620.00<u>0</u>

CITY OF SUPERIOR

		DETAILS FOR ACTUAL CASTING TYPES AND DIMENSIONS Structure Table
Structure	Name	Structure Details Structure Type
12" RCP (S) 100	= 634.8	3 RIM = $640.53$ 640.37 30" RCP OR HDPE INV IN (N) = $626.75626.43$ MANHOLES 8-J 48" RCP OR HDPE INV IN (W) = $626.50626.26$ 48" RCP OR HDPE INV OUT (E) = $626.40626.23$
101	634.87	$\begin{array}{rcl} \text{RIM} &= 639.10\\ 30^{\prime\prime} & \text{RCP} & \text{OR} & \text{HDPE} & \text{INV} & \text{IN} & \text{N}9.95\\ 12^{\prime\prime} & \text{RCP} & \text{OR} & \text{HDPE} & \text{INV} & \text{IN} & \text{N}9.95\\ 12^{\prime\prime} & \text{RCP} & \text{OR} & \text{HDPE} & \text{INV} & \text{IN} & \text{(E)} &= 635.00627.96\\ 30^{\prime\prime} & \text{RCP} & \text{OR} & \text{HDPE} & \text{INV} & \text{OUT} & \text{(S)} &= 628.05\\ \end{array}$
102		RIM = 639.10 12" RCP OR HDPE I <del>NV_OUT639001</del> 635.10 CATCH BASINS 2x3-H
103	632 49	RIM = 636.84 24" RCP OR HDPE INV IN 686 89628.52 12" RCP OR HDPE INV IN 69 = 632.73 30" RCP OR HDPE INV OUT (S) = 628.4628.35
104	002.10	$\begin{array}{rcl} \text{RIM} &= & 636.83 \\ 12'' & \text{RCP} & \text{OR} & \text{HDPE} & \text{INV} & \text{OUT} & (W) \\ \end{array} = & \begin{array}{rcl} 632.83 \\ 632.83 \end{array}  \begin{array}{rcl} 628.30 \\ \text{CATCH} & \text{BASINS} & 2\times3-H \\ \end{array}$
105		636.89         RIM = 634.57         24" RCP OR HDPE INV IN (N) = 632.85         12" RCP OR HDPE INV IN 634.58630.47         24" RCP OR HDPE INV OUT (S) = 628.8628.95
106	630.21	RIM = 634.57 12" RCP OR HDPE INV OUT (W) = $\frac{630.57628.81}{628.81}$ CH BASINS 2×3-H
109		RIM = 633.84634.48 24" RCP OR HDPE INV IN (N) = 629.35 24" RCP OR HDPE INV OUT (SE) = 63027325
111	629.19	
110		RIM = 633.00 24" RCP OR HDPE INV IN (632-93/29.50 24" RCP OR HDPE INV OUT (S) = 629.40 630.53
107	629.30	RIM = <del>- 632.7</del> 1632.77
108	628.96	
120		RIM = 633.27 15" RCP OR HDPE INV IN (N) = 629.43 24" RCP OR HDPE INV OUT 602.87 629.05 MANHOLES 5-J 24" RCP OR HDPE INV OUT 602.87 629.05 629.05 MANHOLES 5-J
12" RCP = 62	26.65 - 8	<sup>629.33</sup> 
630.0 24" 24"	INI-620	29.25 24" OUT=629.45 15" N.=629.65
		└────24 LF 24" PE QR RCP CL III <del>-@ 0.15%</del>
620.0		@ 0.63%

	NOTE: SEE	DETAILS FOR ACTUAL CASTING TYPES AND Structure Table	DIMENSIONS
1+00.00	Structure Name	Structure Table	Structure Type
	12" RCP (S) = 634.8	BIN - <u>C40 53</u> 640 37	
	100	30" RCP OR HDPE INV IN (N) = $\frac{626.75}{626}$ 48" RCP OR HDPE INV IN (W) = $\frac{626.50}{626}$ 48" RCP OR HDPE INV OUT (E) = $\frac{626.40}{62}$	
	101 634.87	RIM = 639.10 30" RCP OR HDPE INV IN 639.05 12" RCP OR HDPE INV IN (E) = 635.00 30" RCP OR HDPE INV OUT (S) = 628.05 30" RCP OR HDPE INV OUT (S) = 628.05	
640.00	102	RIM = 639.10 12" RCP OR HDPE I <del>NV_OUT6<b>39</b>01</del> 635.10	7.80 CATCH BASINS 2x3-H
	103	RIM = 636.84 635.02 24" RCP OR HDPE <u>INV IN 686 89</u> 628.52 12" RCP OR HDPE INV IN (6) = 632.73 30" RCP OR HDPE INV OUT (S) <u>= 628.4</u> 928	CATCH BASINS 5-H 3.35
	104	RIM = 636.83	830 CATCH BASINS 2×3-H
630.00 P-CL-III @ 0.50%- @ 1.80%	105	-636.89           RIM = 634.57           24" RCP OR HDPE INV IN (N) = 6322.36           12" RCP OR HDPE INV IN 634.58630.47           24" RCP OR HDPE INV OUT (S) = 628.882	CATCH BASINS 4-H
	630.21 106	RIM = 634.57 12" RCP OR HDPE INV OUT (W) = 630.5762	
620.00	109	RIM <del>= 633.8</del> 4634.48 24" RCP OR HDPE INV IN (N) = <u>629.35</u> 24" RCP OR HDPE INV OUT (SE) <b>=6302732</b> 5	CATCH BASINS 4-H
	111 629.19	$\frac{-632.95}{12"} \text{ RCP OR HDPE INV OUT (SW) } = \frac{629.53}{6}$	CATCH BASINS 2×3-H
3/2016	110	RIM = 633.00 24" RCP OR HDPE <del>INV IN</del> ( <mark>692≂9&amp;</mark> 29.50 24" RCP OR HDPE INV OUT (S) = <del>629.40</del> 630.53	CATCH BASINS 4-H
<u>1+00,00</u> 650.00	629.30 107	12" RCP OR HDPE INV IN (NE) = <u>629.20</u> 24" RCP OR HDPE INV IN (NW) = 629.20 24" RCP OR HDPE INV OLLT <u>652</u> .76 629.10	
	108 628.96	12" RCP OR HDPE INV OUT (W) = 629.30	9.03 CATCH BASINS 2×3-H 9.05
	120	RIM = 633.27 15" RCP OR HDPE INV IN (N) = 629.43 24" RCP OR HDPE I <del>NV OUT 602.87</del> 629.53	9.03 MANHOLES 5-J
640.00	12" RCP = 626.65 - 8	629	9.65 29.45
630.00	630.00	FOR OVER CONNECT CONC. COLL/ EXI	W/15" PVC
<u>@ 1.50%</u> 	24" IN <del>=</del> 629. 24" OUT=62	9.25 24" OUT=629.45 15" N.=629.65 24 LF 24" PE QR RCP CL III-6	0.15%
	620.00		0.63% 620.00
STORM SEWER LEADS	-()	SHI	EET 22 OF 51

FILE NAME : S:\PT\S\SUPER\129839\7-CONST-SVCS\76-RECORD-DRWG\DWGS\SU129839PR1.DWG LAYOUT NAME - STORM SEWER LEADS

PLOT DATE : 5/31/2016 10:18 AM PLOT BY : TYLER YNGSDAL

630.53

· 628.96

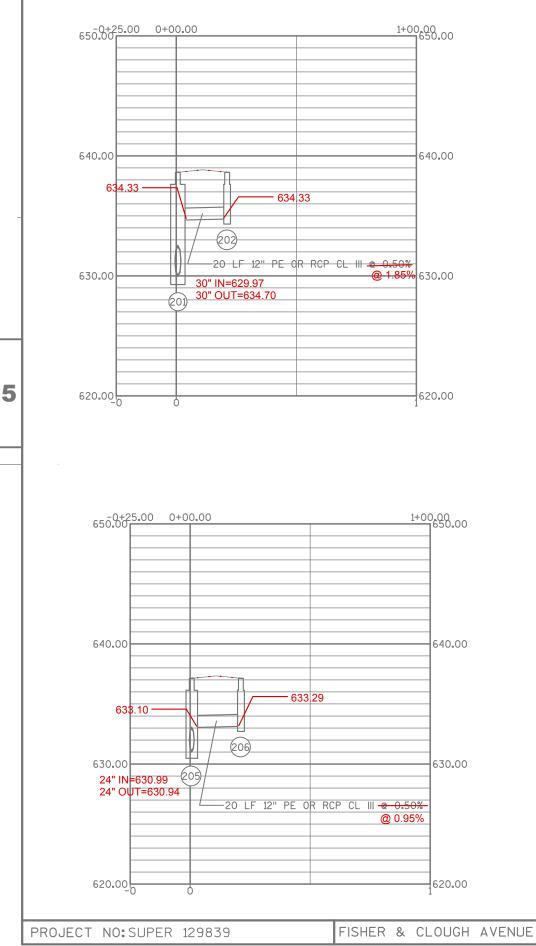
629.03

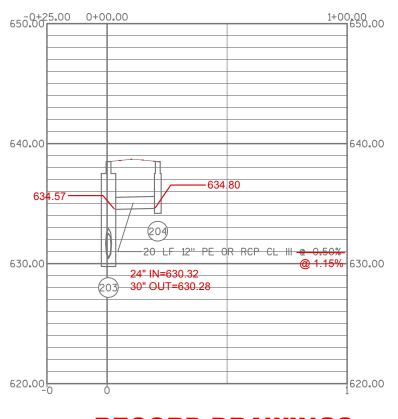
-20 LF 12" PE OR RCP CL III

1 / /

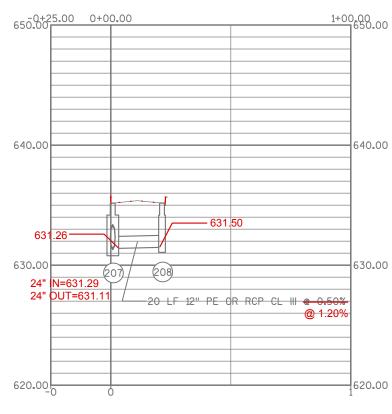
-(107)

24" IN=629.05 24" OUT=629.03



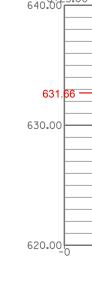


## **RECORD DRAWINGS UPDATED 03/2016**



CITY OF SUPERIOR

	DETAILS FOR ACTUAL CASTING TYPES A	DIMENSIONS
	Structure Table	
Structure Name	Structure Detalls	Structure Type
2" RCP (SW) = 634.1 5" RCP (S) = 632.00 200		-624 70
201 634.33	RIM = 638.63 30" RCP OR HDPE INV IN (638.53 12" RCP OR HDPE INV IN (E) = 634.63 30" RCP OR HDPE INV OUT (S) <del>= 629.5</del>	629.90 ATCH BASINS 5-H
202	RIM = 638.63 12" RCP OR HDPE IN <del>V OUT <b>608.37</b>634.7</del>	-629.93 73 CATCH BASINS 2×3-H
203	RIM = 638.50 24" RCP OR HDPE <u>INV IN (N)</u> 37630.52 12" RCP OR HDPE INV IN (E) 37630.52 30" RCP OR HDPE INV OUT (S) = 630.72 30" RCP OR HDPE INV OUT (S) = 630.72	2 2 сатсн basins 5-н 4 <mark>2</mark> 30.32
204	RIM = 638.50 12" RCP OR HDPE INV OUT (W) = 634.6 638.46	-630.28 50 CATCH BASINS 2×3-H
206	RIM = 637.14 12" RCP OR HDPE INV OUT (W) = 664380	CATCH BASINS 2×3-H
205	$\begin{array}{rcrcr} \text{RIM} &= & 637.14 \\ \text{CM} &= & 637.14 \\ \text{CM} &= & 634.03 \\ \text{CM} &= & 634.03 \\ \text{CM} &= & 635.03 \\ \text{CM} &= & 635$	сатсн вазіля 4-н
210 <b>633.10</b>	RIM = 635.55 12" RCP OR HDPE INV OUT (W) = 631.8	САТСН BASINS 2×3-Н 9630.94
208	RIM = <u>635.17</u> 635.54 12" RCP OR HDPE INV OUT (W) = <u>631.4</u>	
209	RIM = 635.35 631.94 12" RCP OR HDPE TNV IN (25.00) 24" RCP OR HDPE INV OUT (S) = 631.56 631.50	CATCH BASINS 5-H
<sub>207</sub> 631.66	RIM <del>~ 635.1</del> 7635.27 12" RCP OR HDPE INV IN (E) = <u>631.38</u> 24" RCP OR HDPE INV IN (N) = <u>631.38</u> 24" RCP OR HDPE INV OUT (S) = 631.2	CATCH BASINS 4-H
631.29	635.00 	-631.26 
640.00	0+00.00	<u>1+00,00</u> 640,00
631.66 -	24"OUT=631.60 210	<u>630.00</u>
	209/ 66_LF_12" PE_OR_RCP_CL_II	
620.00	0	620 <b>.</b> 00
		I



FILE NAME	:S:\PT\S\SUPER\129839\7-CONST-SVCS\76-RECORD-DRWG\DWGS\SU129839PR2.DWG	
	LAYOUT NAME - STORM SEWER LEADS	

PLOT DATE : 5/31/2016 10:19 AM PLOT BY : TYLER YNGSDAL PLOT NAME :

STORM SEWER LEADS