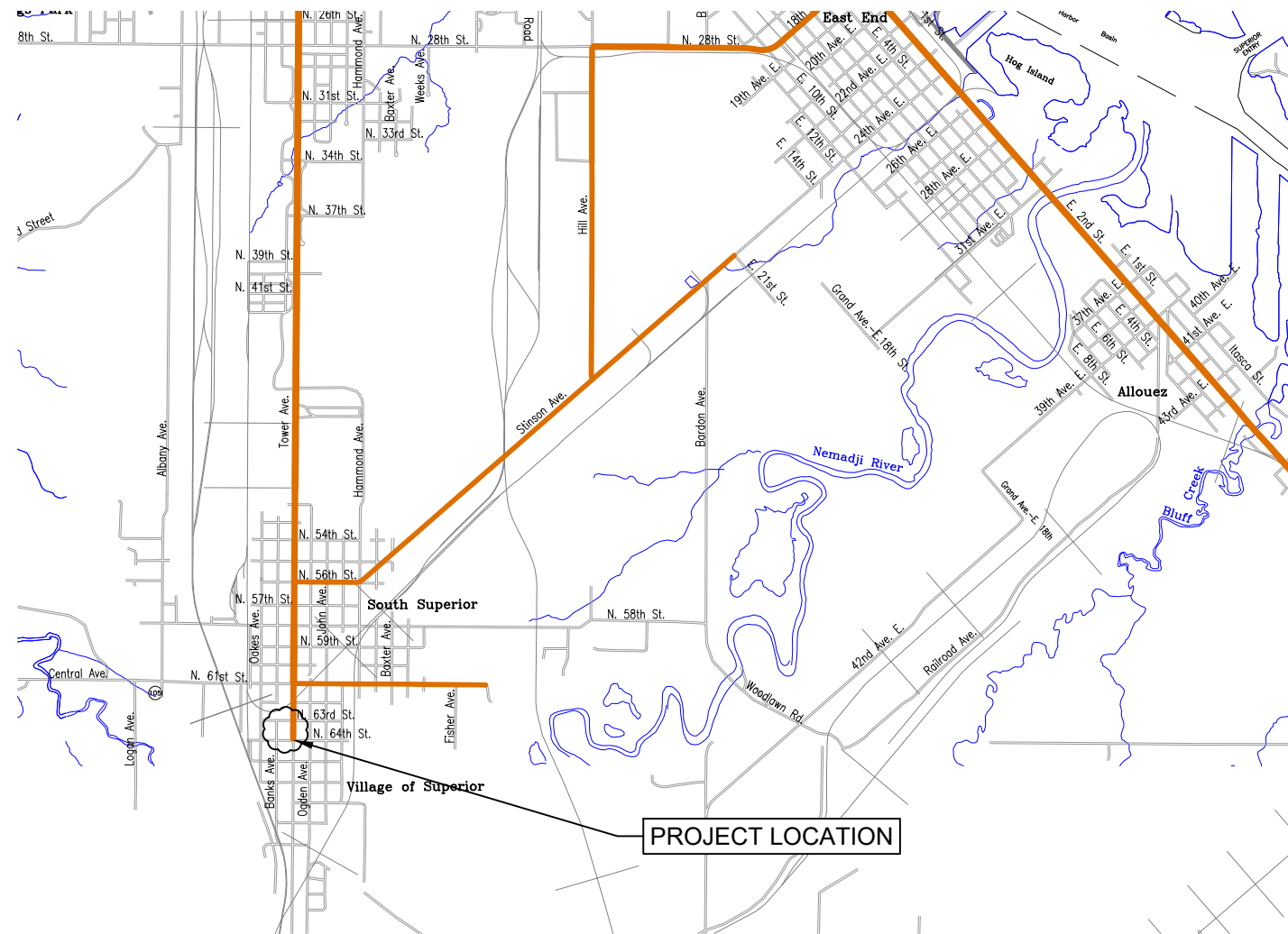
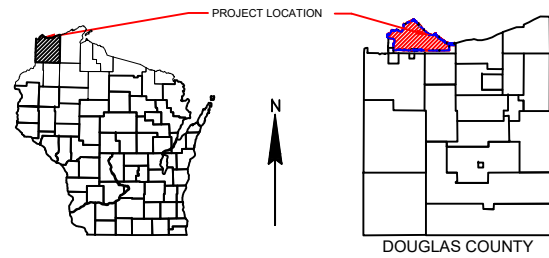


NORTH 64TH STREET STORMWATER RELIEF

NORTH 64TH STREET TO NORTH 63RD STREET AT TOWER AVENUE

SUPERIOR, WI 54880

CONSTRUCTION PLAN FOR: (INSTALLATION OF NEW STORM SEWER PIPING AND STRUCTURES, ALLEY RECONSTRUCTION)



THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. 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.

FOR FIELD LOCATES
CALL: 1.800.242.8511
WWW.DIGGERSHOTLINE.COM

GOVERNING SPECIFICATIONS:
THE STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN, SIXTH EDITION WITH ADDENDUM NO. 1 AND NO. 2 AND WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (2019 EDITION) SHALL GOVERN THIS PROJECT

LEGEND

GAS LINE	— GAS —
UNDERGROUND ELECTRIC	— E —
OVERHEAD LINES	— OH —
COMBINED SANITARY SEWER	— SSS —
STORM SEWER	— SS —
WATER LINE	— W —
UNDERDRAIN	- - - > - - -
RIGHT OF WAY/PARCEL LINE	— — — — —
CONSTRUCTION LIMITS	- - - - -
SANITARY SEWER MANHOLE	
STORM SEWER INLET	
HYDRANT	
SIGN	
ELECTRIC MANHOLE	
LIGHT POLE	
WATER MAIN VALVE	
GAS VALVE	
UTILITY POLE	
PROPERTY MARKER	
PROPOSED CONCRETE 4-INCH	
PROPOSED CONCRETE 7-INCH	
CONCRETE PAVEMENT 9-INCH	
PROPOSED ASPHALT	
EXISTING ASPHALT SURFACE	
UNDERGROUND CONFLICT	

SHEET INDEX

SHEET NO.	SHEET DESCRIPTION
1	TITLE
2	GENERAL NOTES
3	MINIMUM STANDARDS
4	PROJECT OVERVIEW
5	EROSION CONTROL
6	ESTIMATED QUANTITIES
7	CONTROL POINTS
8	TYPICALS/DETAILS
9	REMOVALS
10	100+00 ALLEY PLAN AND PROFILE
11	300+00 NORTH 64TH STREET PLAN AND PROFILE
12-18	SECTION SHEETS
N/A	STANDARD DETAIL SHEETS



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

NORTH 64TH STREET STORMWATER RELIEF

TITLE

7/24/2019
REV. 1

DRAWN
APPROV'D

CC
EA

SHEET 1 OF 18

DESIGN TEAM: {CARTER CARPENTER}

GENERAL NOTES:

1. INSTALLATION AND MATERIALS FOR ALL SANITARY SEWER 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 PROJECT LIMITS THAT ARE NOT SHOWN.
3. CONTRACTOR WILL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. ANY REQUIRED RELOCATION OR ADJUSTMENT WORK SHALL BE COORDINATED BY THE CONTRACTOR.
4. ALL AREAS OUTSIDE OF THE PROJECT LIMITS SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION AT NO COST TO THE CITY. THIS INCLUDES STAGING AREAS.
5. ALL STRUCTURE STATION AND OFFSET SHOWN ARE IN REFERENCE TO THE CENTER OF STRUCTURE.
6. ALL STORM SEWER INVERTS, ELEVATIONS, AND LENGTHS ARE COMPUTED CENTER-TO-CENTER OF THE STRUCTURES.
7. INLET RIM ELEVATIONS ARE COMPUTED TO THE FLOW LINE.
8. ALL CONCRETE AND ASPHALT SHALL BE SAWCUT FULL DEPTH BEFORE REMOVAL WHERE ABUTTING LIKE SURFACE MATERIAL.
9. CONTRACTOR SHALL COORDINATE WITH LOCAL BUSINESSES ABUTTING PROJECT SITE AND SEQUENCE CONSTRUCTION ACTIVITY AS TO MINIMIZE DISRUPTIONS AND ACCESS TO THESE BUSINESSES:

SUPERIOR MEATS
6301 TOWER AVENUE

KIMMES OIL AND TIRE
6327 TOWER AVENUE

ABBREVIATIONS

- ASPH = ASPHALT
- CB = CATCH BASIN
- CMP = CORRUGATED METAL PIPE
- CONC = CONCRETE
- CPP = CORRUGATED PLASTIC PIPE
- CY = CUBIC YARD
- DIA = DIAMETER
- EX = EXISTING
- FT = FOOT
- HDPE = HIGH DENSITY POLYETHYLENE PIPE
- IN = INCH
- INL = INLET
- LF = LINEAR FOOT
- LS = LUMP SUM
- LT = LEFT
- MH = MANHOLE
- PROP = PROPOSED
- PVC = POLYVINYL CHLORIDE PIPE
- RCP = REINFORCED CONCRETE PIPE
- REQ = REQUIRED
- RT = RIGHT
- SAN = SANITARY
- SQ = SQUARE
- SS = STORM SEWER
- SSPRC = STORM SEWER PIPE REINFORCED CONCRETE
- SY = SQUARE YARD
- TYP = TYPICAL
- VAR = VARIES
- V.I.F. = VERIFY IN FIELD
- YD = YARD

UTILITIES

SUPERIOR WATER LIGHT & POWER CO.

GAS AND WATER
 KEVIN DOUVILLE
 2915 HILL AVENUE
 P.O. BOX 519
 SUPERIOR, WI 54880
 715-395-6236
 218-340-9408 (C)
 KDOUVILLE@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
 715-919-8003 (C)
 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 OF PUBLIC WORKS

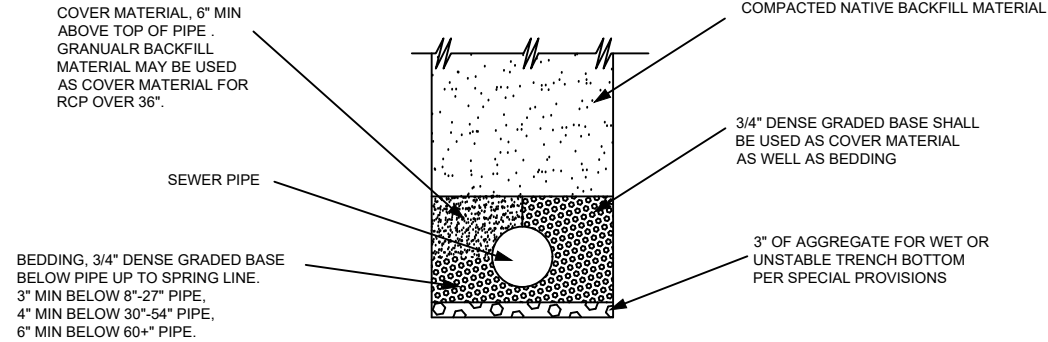
ERIN ABRAMSON
 51 EAST 1ST STREET
 SUPERIOR, WI 54880
 715-394-0392
 ABRAMSONE@CI.SUPERIOR.WI.US

DIGGERS HOTLINE

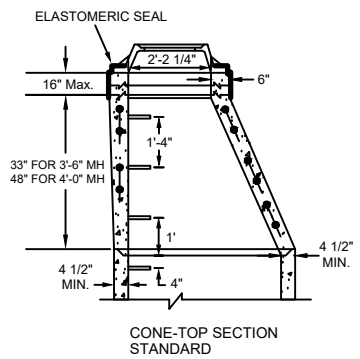
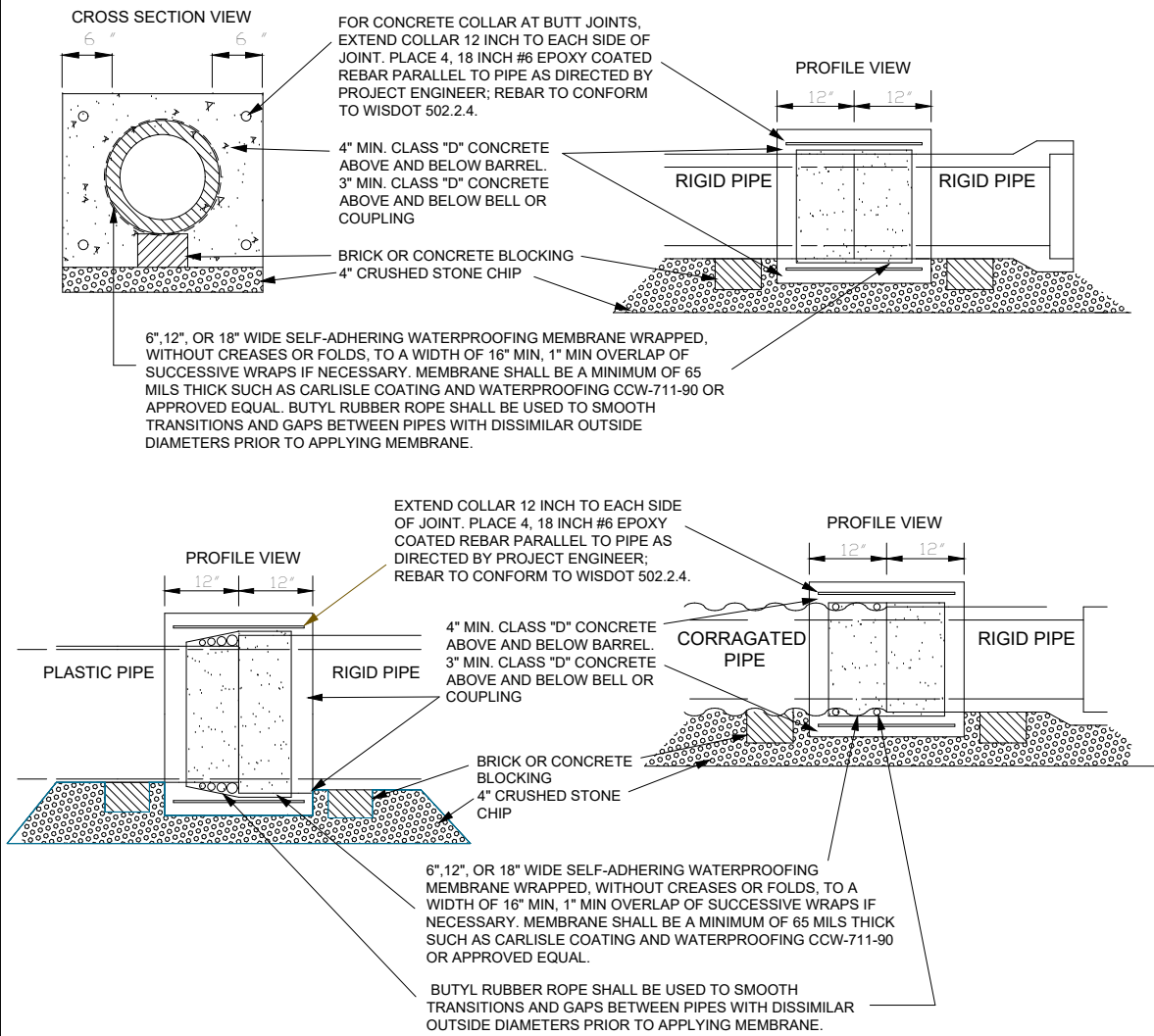
2040 WEST WISCONSIN AVENUE
 SUITE 10
 MILWAUKEE, WI 53233
 1-800-242-8511
 "CALL 3 DAYS BEFORE YOU DIG"



TYPICAL TRENCH BOTTOM DETAIL



CONCRETE COLLAR DETAIL 8"- 42" PIPE



TYPE I FRAME/CHIMNEY JOINT REQUIRED ON ALL SANITARY MANHOLES UNLESS OTHERWISE SPECIFIED. ELASTOMERIC WATERPROOFING SEALER APPLIED TO EXTERIOR AND INTERIOR CHIMNEY SEAL.

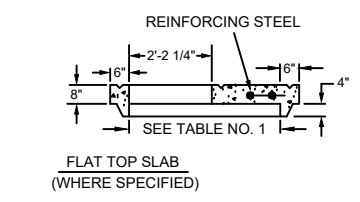
FLAT TOP SLAB MAY ONLY BE USED FOR 5'-0" AND 6'-0" DIA. MANHOLES AND WITH PERMISSION OF THE ENVIRONMENTAL SERVICES DIVISION OF PUBLIC WORKS OR WHERE SHOWN ON THE PLANS. FLAT TOP SLAB MUST HAVE A MINIMUM 6" ADJUSTING RING (1 FULL RING) INSTALLED.

ADJUST FRAME TO GRADE WITH BRICK OR CONCRETE RINGS OF VARIABLE THICKNESS. MAXIMUM RING HEIGHT = 6", MINIMUM RING HEIGHT = 2". CONCRETE RINGS SHALL BE REINFORCED WITH ONE LINE OF STEEL CENTERED WITHIN THE RING. WHERE NECESSARY, RINGS SHALL BE GROOVED TO RECEIVE STEP. THE CHIMNEY SHALL BE CONSTRUCTED SO THAT AS FEW ADJUSTING RINGS AS POSSIBLE SHALL BE USED TO BRING MANHOLE TO GRADE.

CONCRETE AND STEEL REINFORCEMENT SHALL CONFORM TO DESIGNATION C-478 REQUIREMENTS OF ASTM SPECIFICATIONS.

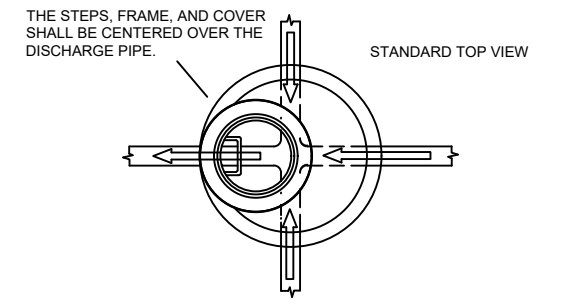
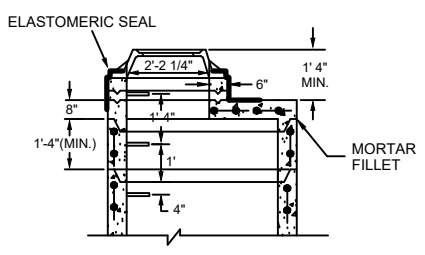
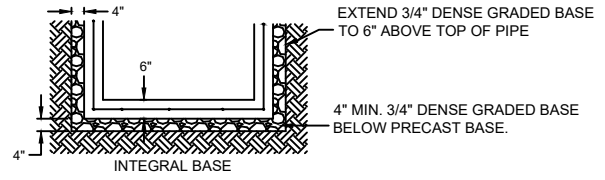
JOINTS SHALL BE WATERTIGHT AND SHALL BE MADE USING BUTYL RUBBER GASKETS. ALL JOINTS SHALL CONFORM TO ASTM-C443 VARIATIONS IN DIAMETER, DEFECTIVE OR DAMAGED ENDS, OR OTHER CONDITIONS WHICH, IN THE OPINION OF THE PROJECT ENGINEER, PREVENT MAKING A SATISFACTORY JOINT SHALL BE CONSIDERED CAUSE FOR REJECTION.

AREA OF CIRCUMFERENTIAL STEEL = 0.12 SQ INCH PER LINEAL FOOT.



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

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



THE FLOW CHANNEL THROUGH MANHOLES SHALL BE MADE TO CONFORM TO THE SHAPE AND SLOPE OF THE SEWERS AND SHALL EXTEND VERTICALLY FROM THE SPRINGLINE TO THE CROWN OF THE DISCHARGE PIPE. THE THROUGH MANHOLE FLOW CHANNEL SHALL BE THE SAME DIAMETER AS THE LARGER OF THE ADJOINING SEWERS.

BENCH SLOPE { STORM MANHOLE 1 INCH PER FOOT
SANITARY MANHOLE 2 INCH PER FOOT

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

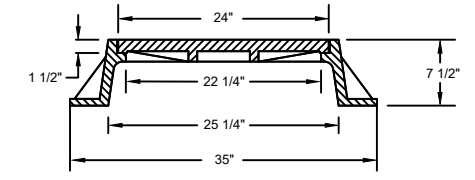
CLASS "D" CONCRETE, 12" MIN. BELOW BOTTOM OF PIPE

TABLE NO. 1

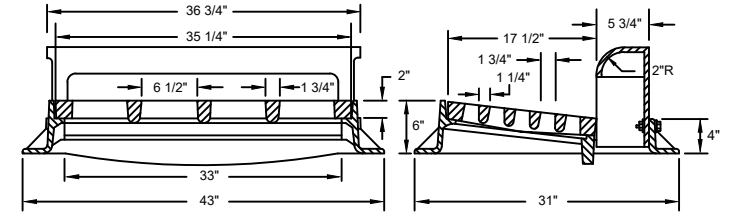
PIPE DIA	MANHOLE DIA	WALL THICKNESS
8" THRU 30"	48"	6"
36"	60"	6"
42"	72"	7"

PRECAST MANHOLE

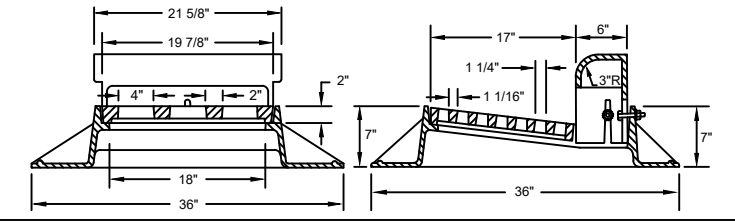
MANHOLE CASTING DIMENSIONS



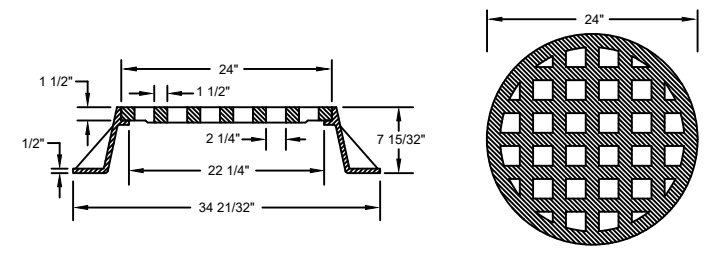
TYPICAL CURB INLET CASTING DIMENSIONS FOR RECTANGULAR STRUCTURES



TYPICAL CURB INLET CASTING DIMENSIONS FOR CIRCULAR STRUCTURES



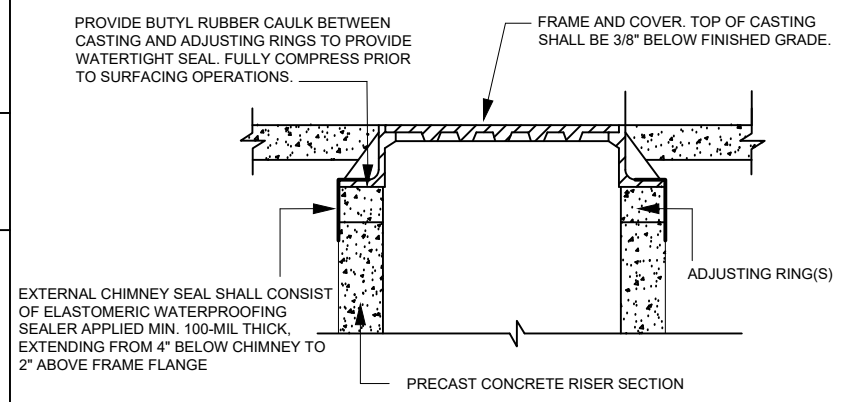
CASTING DIMENSIONS FOR GRATED MANHOLE COVERS AND CIRCULAR INLETS IN NON-CURB INSTALLATIONS

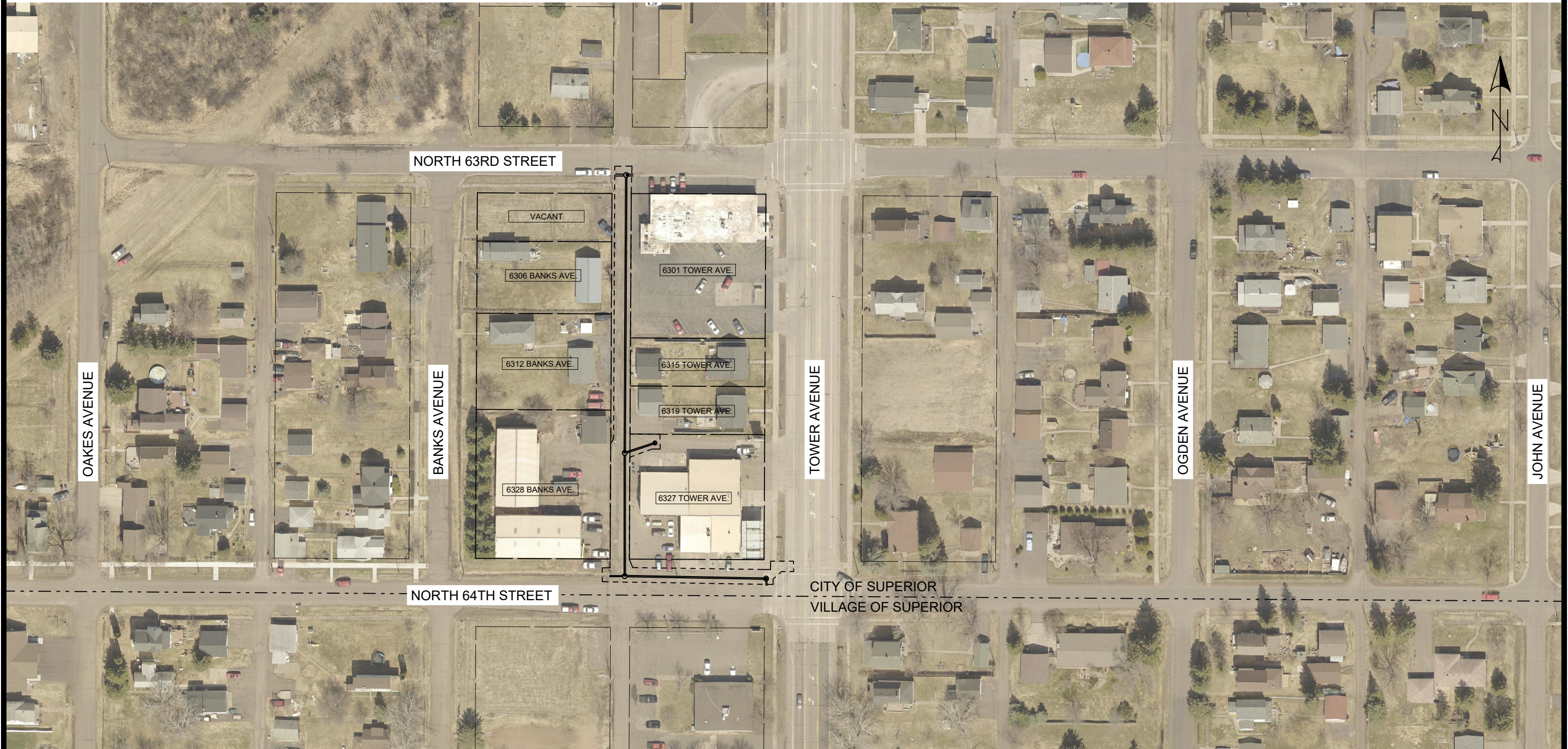


ALL MANHOLE CASTINGS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-48, CLASS NO. 30-B AND SHALL BE FREE FROM CRACKS, HOLES, SWELLS, AND COLD SHUTS.

NON-VENTED COVERS SHALL BE "SELF-SEALING", "T-SEAL" OR "GASKET SEALED" COVERS. COVERS SHALL HAVE "SANITARY" OR "STORM" LABELS AS APPLICABLE, OR OTHER LABELS APPROVED AS EQUAL.

EXTERNAL CHIMNEY SEAL





----- PROJECT AREA

NO SCALE



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

NORTH 64TH STREET STORMWATER RELIEF

PROJECT OVERVIEW




7/24/2019
REV. 1

DRAWN	CC
APPROV'D	EA

CC
EA

SHEET 4 OF 18



-  INLET PROTECTION - TYPE D
-  DITCH CHECK
-  FLOW DIRECTION

1. EROSION CONTROL BMPs SHALL BE INSTALLED PRIOR TO LAND DISTURBING ACTIVITY AND IMMEDIATELY UPON INSTALLATION OF NEW INLETS OR CATCH BASINS.
2. CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL BMPs. WHEN SEDIMENT ACCUMULATES TO WITHIN SIX INCHES OF THE BOTTOM OF THE OVERFLOW HOLES, CONTRACTOR SHALL REMOVE ALL SEDIMENT.
3. CONTRACTOR SHALL PREVENT TRACKING OF SEDIMENT OFF SITE. CONTRACTOR SHALL REMOVE TRACKED OUT SEDIMENT FROM ROADS AND PAVED AREAS UPON DISCOVERY.
4. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE IMPLEMENTATION, MAINTENANCE, AND INSPECTIONS OF ALL EROSION CONTROL BMPs.

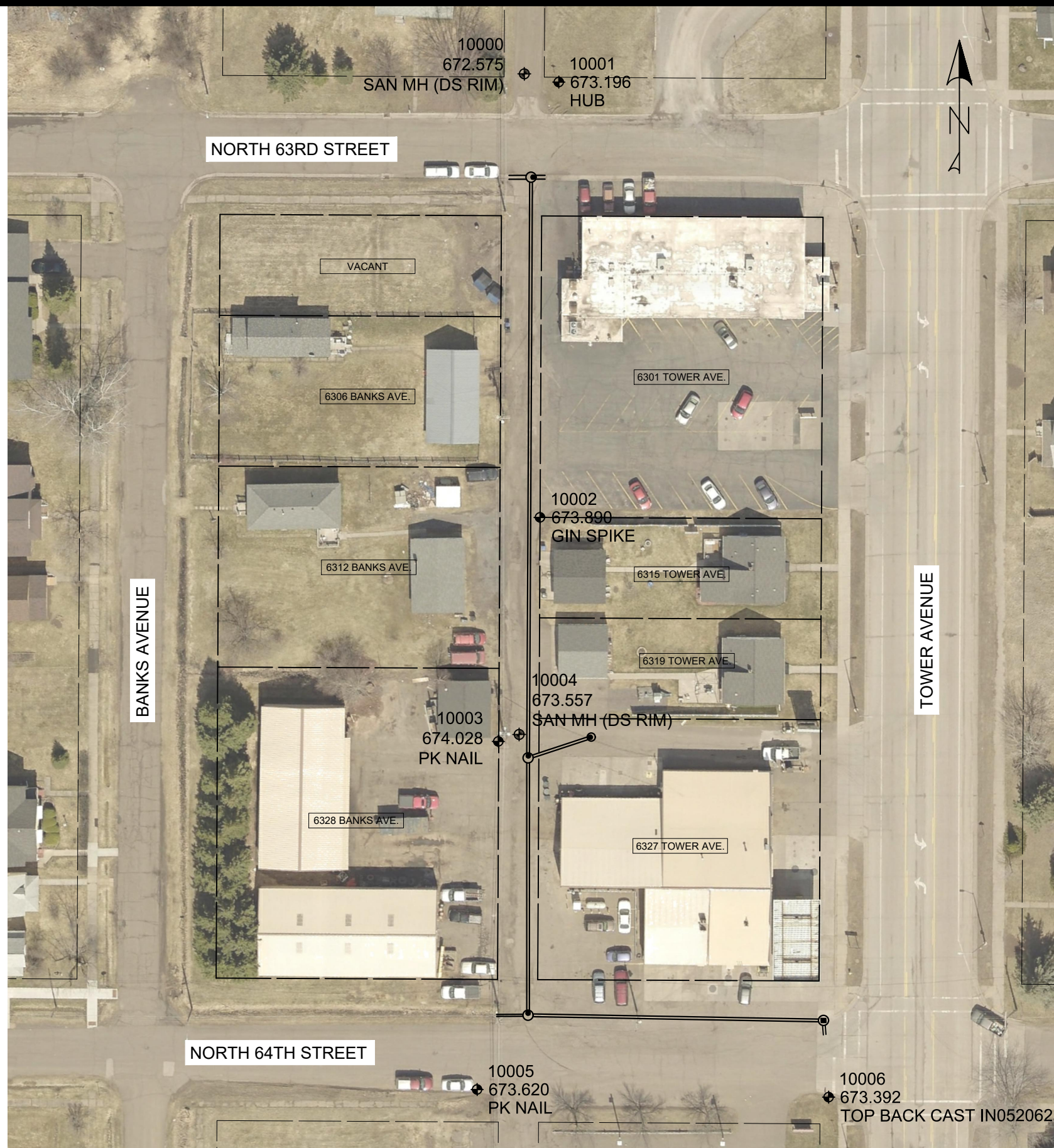
5. INSTALL BMPs AS SPECIFIED IN THE WDNR TECHNICAL STANDARDS (T.S) FOUND AT: [HTTPS://DNR.WI.GOV/TOPIc/STORMWATER/STANDARDS/CONST_STANDARDS.HTML](https://dnr.wi.gov/topic/stormwater/standards/const_standards.html)
 INLET PROTECTION T.S. 1060
 DITCH CHECK T.S. 1062
6. LAND DISTURBING PERMIT MAY BE OBTAINED AT CITY OF SUPERIOR BUILDING INSPECTION AT 1316 N. 14TH STREET - 2ND FLOOR, SUITE 200, SUPERIOR, WI 54880. OR AT [WWW.CI.SUPERIOR.WI.US](http://www.ci.superior.wi.us)



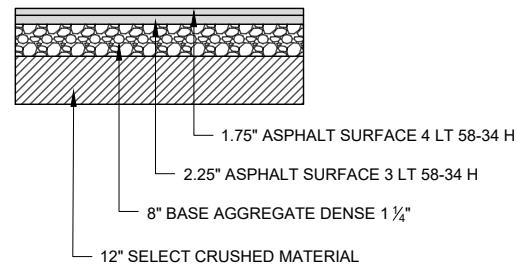
STATEMENT OF ESTIMATED QUANTITIES					
NOTE	BID ITEM	DESCRIPTION		UNIT	ESTIMATED QUANTITY
5	204.0100	REMOVING PAVEMENT		SY	53
	204.0150	REMOVING CURB & GUTTER		LF	30
9	204.0155	REMOVING CONCRETE SIDEWALK		SY	25
	204.0215	REMOVING CATCH BASINS		EACH	4
	204.0245.S	REMOVING STORM SEWER (8-INCH TO 12-INCH)		LF	119
	204.0280	SEALING PIPES		EACH	3
1	205.0100	EXCAVATION COMMON	(P)	CY	725
	305.0125	BASE AGGREGATE DENSE 1 1/4 INCH	(P)	CY	226
	312.0115	SELECT CRUSHED MATERIAL	(P)	CY	388
	415.0090	CONCRETE PAVEMENT 9-INCH		SY	29
	416.0610	DRILLED TIE BARS		EACH	23
3,4	465.0105	ASPHALTIC SURFACE		TON	239
10	601.0409	CONCRETE CURB & GUTTER 30-INCH TYPE A		LF	53
10	602.0405	CONCRETE SIDEWALK 4-INCH		SF	136
10	602.0420	CONCRETE SIDEWALK 7-INCH		SF	62
	602.0515	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA		SF	8
	608.0412	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH		LF	32
	608.0415	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH		LF	417
	611.0609	INLET COVERS TYPE B-A		EACH	2
7	611.3003	INLETS 3-FT DIAMETER		EACH	1
7	611.3004	INLETS 4-FT DIAMETER		EACH	3
7	611.3220	INLETS 2X2-FT		EACH	1
2	612.0106	PIPE UNDERDRAIN 6-INCH		LF	452
	619.1000	MOBILIZATION		EACH	1
	628.7020	INLET PROTECTION TYPE D		EACH	11
	628.7504	TEMPORARY DITCH CHECKS		LF	10
6	643.5000	TRAFFIC CONTROL (PROJECT)		EACH	1
	645.0140	GEOTEXTILE TYPE SAS		SY	844
	690.0150	SAWING ASPHALT		LF	900
	690.0250	SAWING CONCRETE		LF	96
	SPV.0060.01	ADJUSTING SANITARY MANHOLE COVERS		EACH	2
11	SPV.0060.02	STORM SEWER CASTING CIRCULAR GRATED		EACH	3
	SPV.0090.01	STORM SEWER PIPE PVC 8-INCH		LF	16
8,12	SPV.0090.02	STORM SEWER PIPE 12-INCH PVC DR-25 OR STORM SEWER PIPE 12-INCH (DIPS) HDPE DR-11		LF	147
	SPV.0090.03	SEWER FIELD QUALITY CONTROL-TELEVISION		LF	596
	SPV.0165.01	CONSTRUCTION STAKING STORM SEWER		LS	1

NOTES	
1	IN PLACE VOLUME. INCLUDES REMOVAL OF ASPHALT SURFACE
2	PAYMENT INCLUDES BASE AGGREGATE OPEN GRADED AND GEOTEXTILE FABRIC TYPE DF
3	CALCULATED AT 120LBS/SY/INCH DEPTH
4	PAYMENT INCLUDES TACK COAT
5	INCLUDES CONCRETE ALLEY ENTRANCE WITH CURB & GUTTER AT NORTH 63RD STREET
6	CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLAN TO THE CITY FOR APPROVAL
7	STRUCTURES SHALL HAVE NO SUMP
8	ONLY ONE PIPE SELECTION WILL BE AWARDED
9	SAWING CONCRETE INCIDENTAL
10	EXCAVATION AND BASE AGGREGATE INCIDENTAL
11	REFER TO MINIMUM STANDARDS SHEET (3): CASTING DIMENSIONS FOR GRATED MANHOLE COVERS
12	FIELD QUALITY CONTROL AIR TEST AND DEFLECTION TEST REQUIRED (INCIDENTAL TO ITEM SPV.0090.02)
	(P) INDICATES PLAN QUANTITY

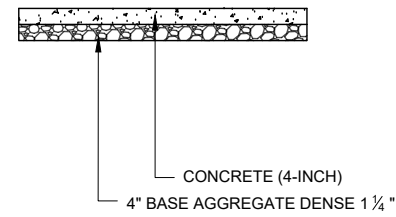




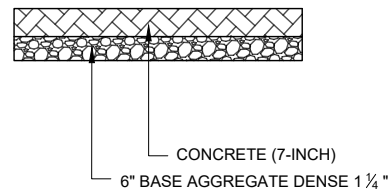
CONTROL POINTS				
POINT	DESCRIPTION	ELEVATION	NORTHING	EASTING
10000	SAN MH (DS RIM)	672.575	284595.8590	146673.3940
10001	HUB	673.196	284591.7380	146690.5550
10002	GIN SPIKE	673.890	284375.1460	146680.7040
10003	PK NAIL	674.028	284263.7370	146659.6970
10004	SAN MH (DS RIM)	673.557	284267.1810	146670.0500
10005	PK NAIL	673.620	284090.5720	146648.7360
10006	TOP BACK CAST IN052062	673.392	284086.3350	146823.5950



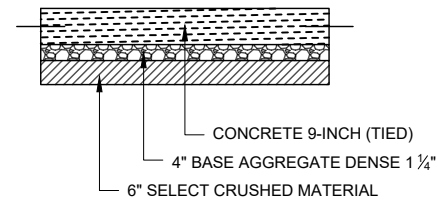
NORTH 64TH STREET DETAIL



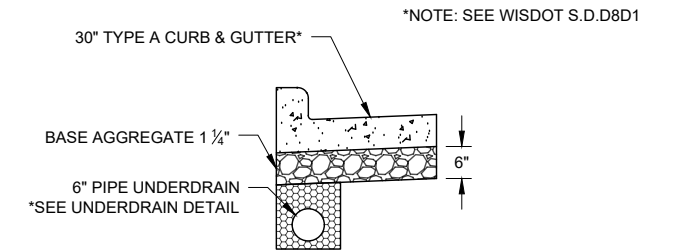
4 INCH CONCRETE DETAIL



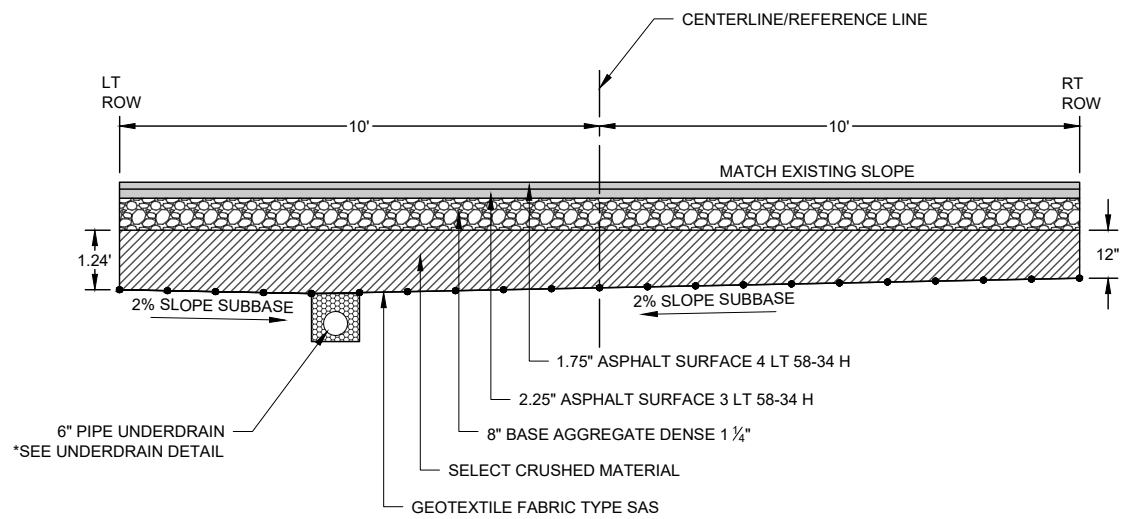
7 INCH CONCRETE DETAIL



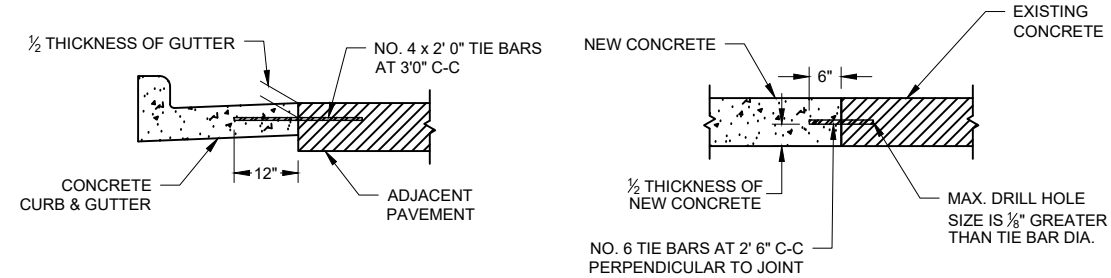
TOWER AVENUE PAVEMENT PATCH DETAIL



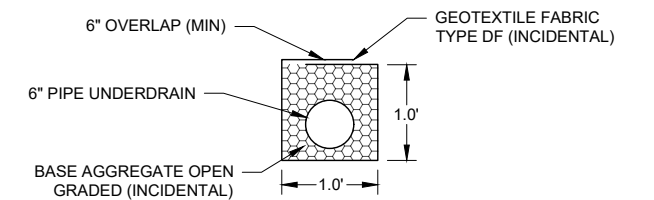
CURB & GUTTER 30 INCH AND DETAIL



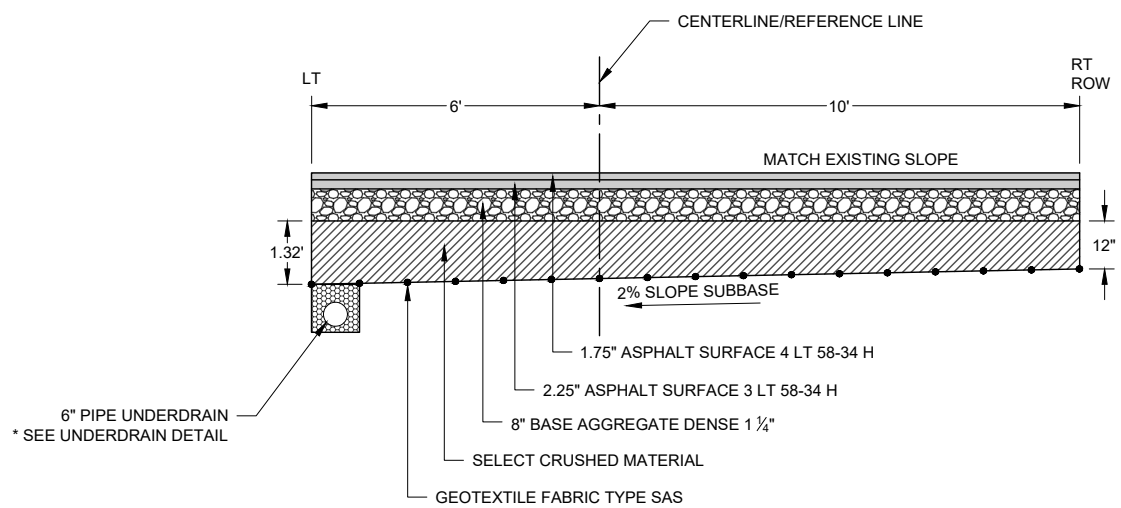
TYPICAL ALLEY SECTIONS



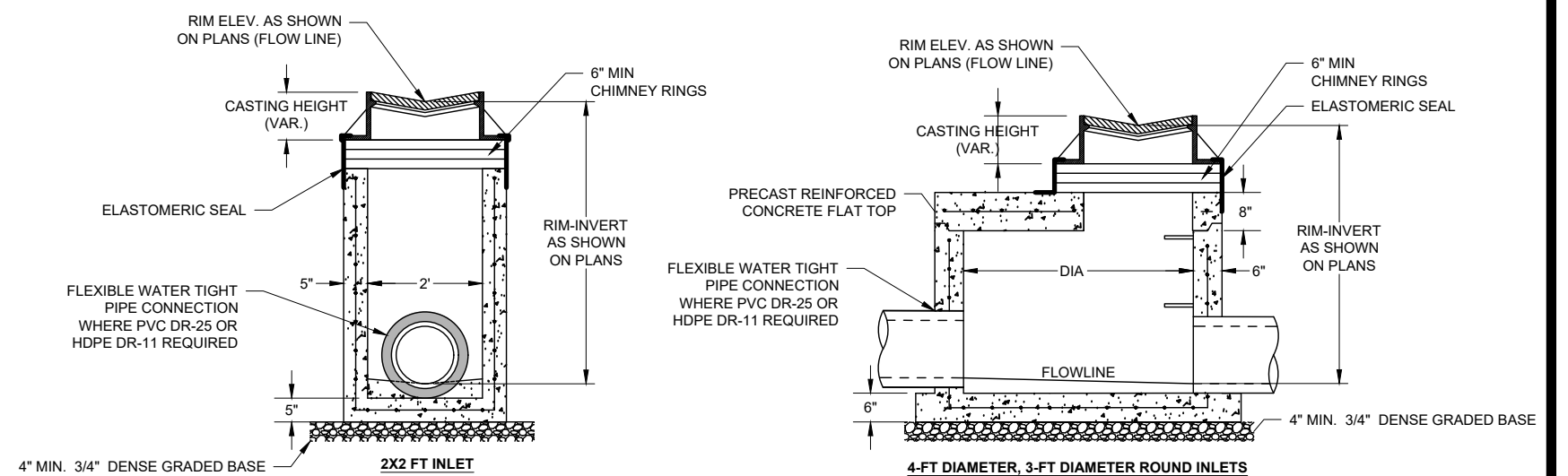
TIE BAR DETAILS



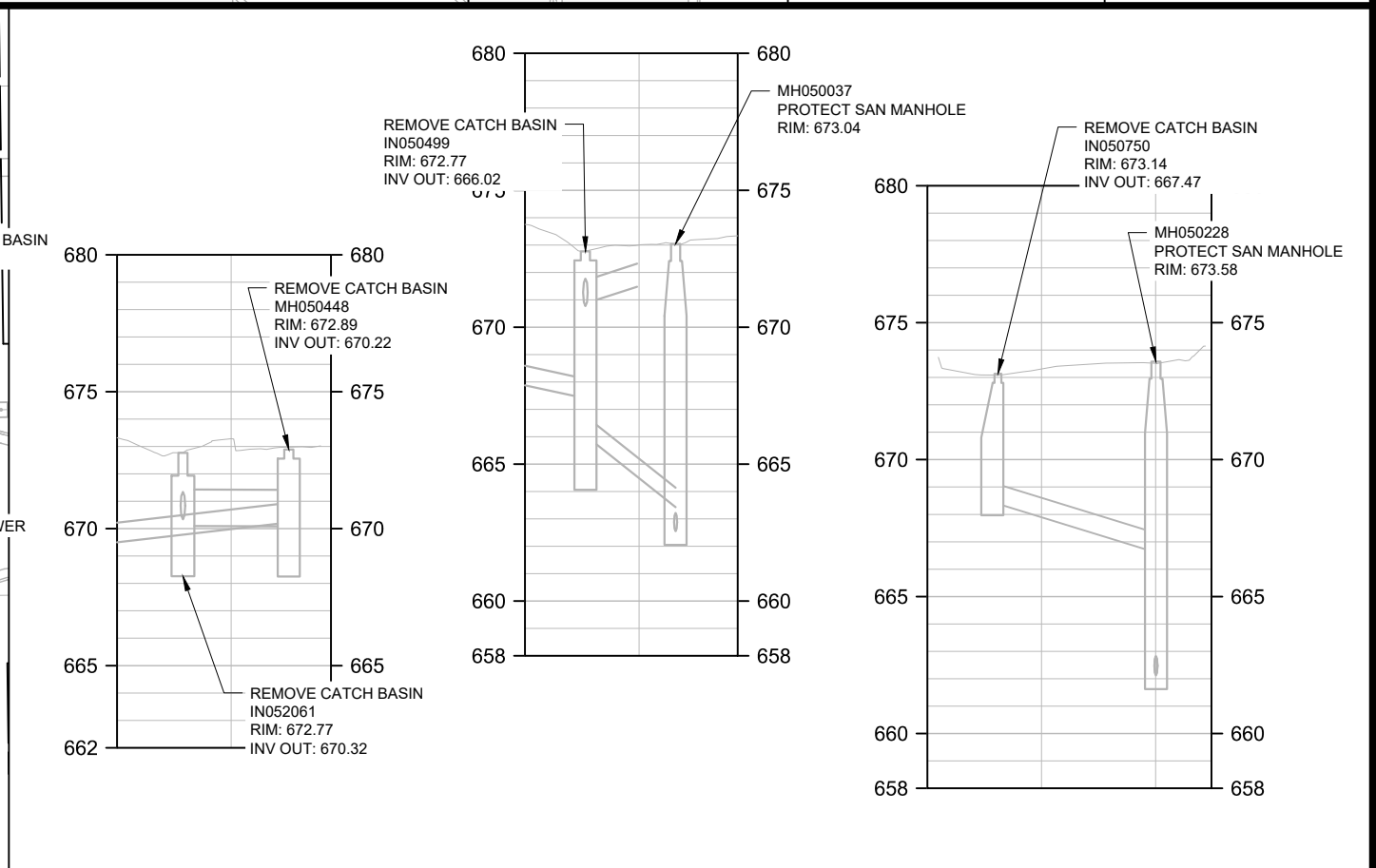
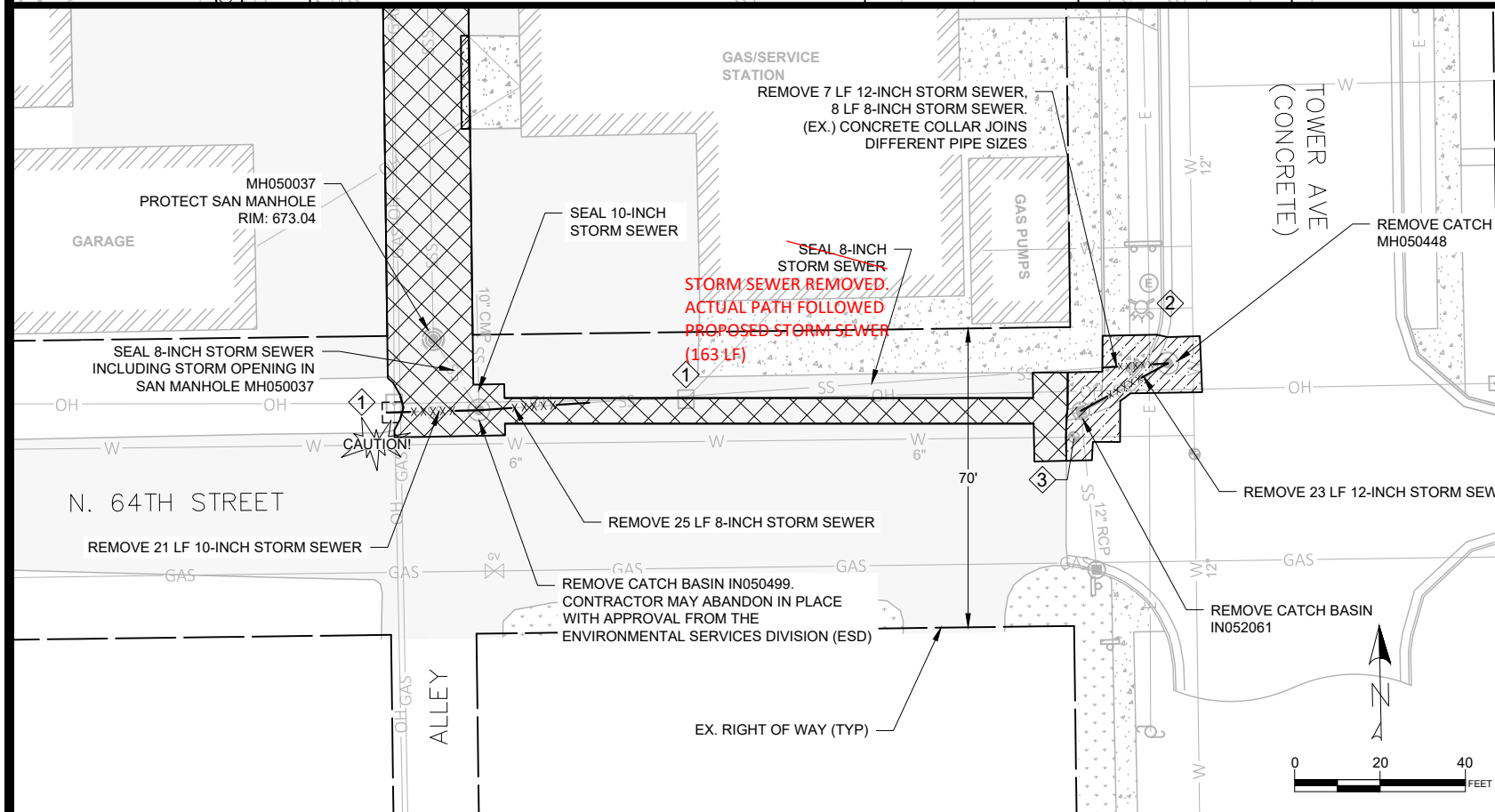
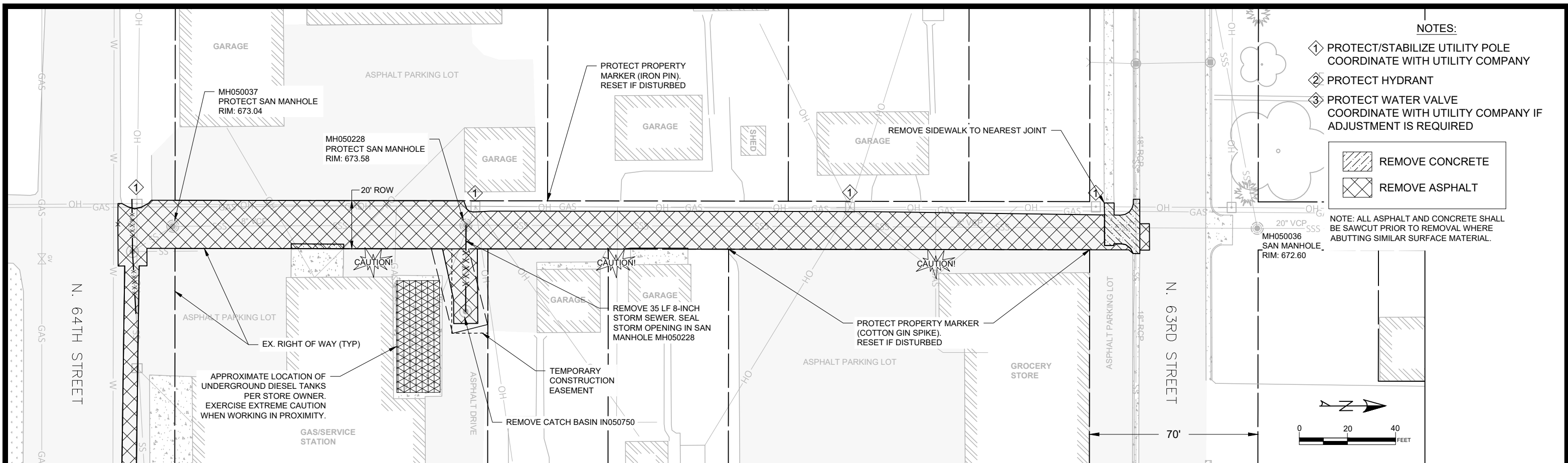
UNDERDRAIN DETAIL

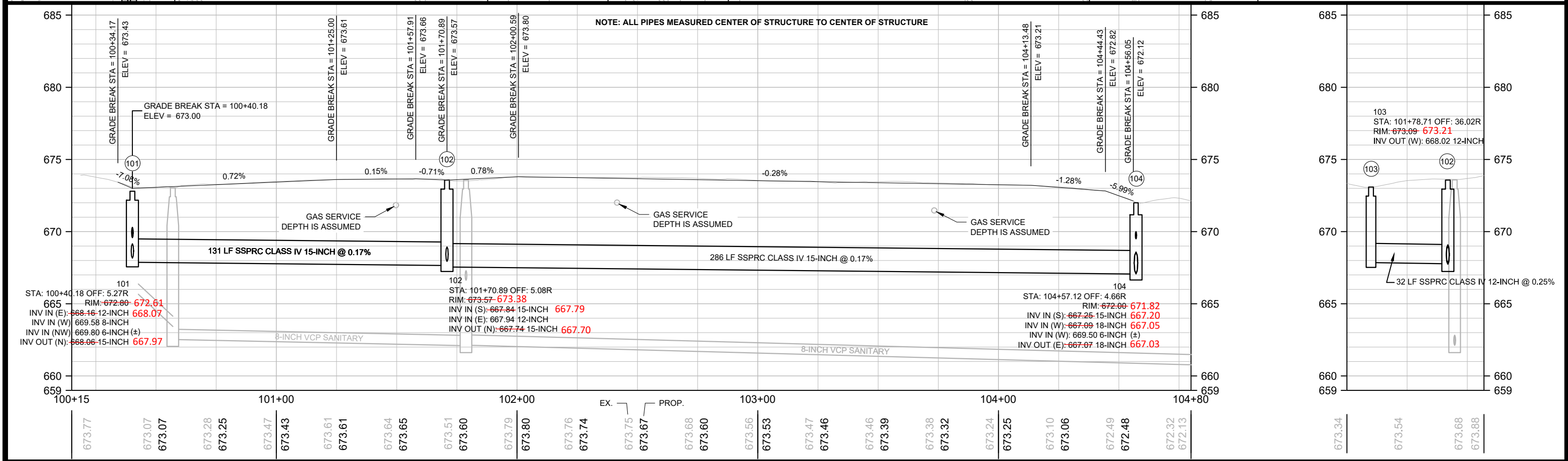
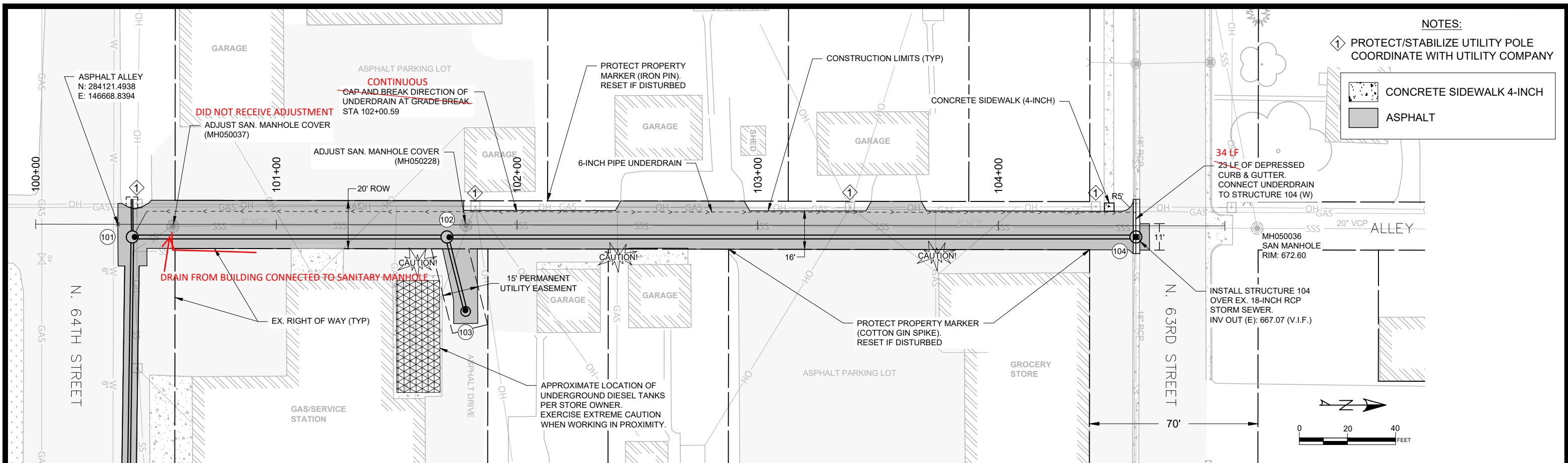


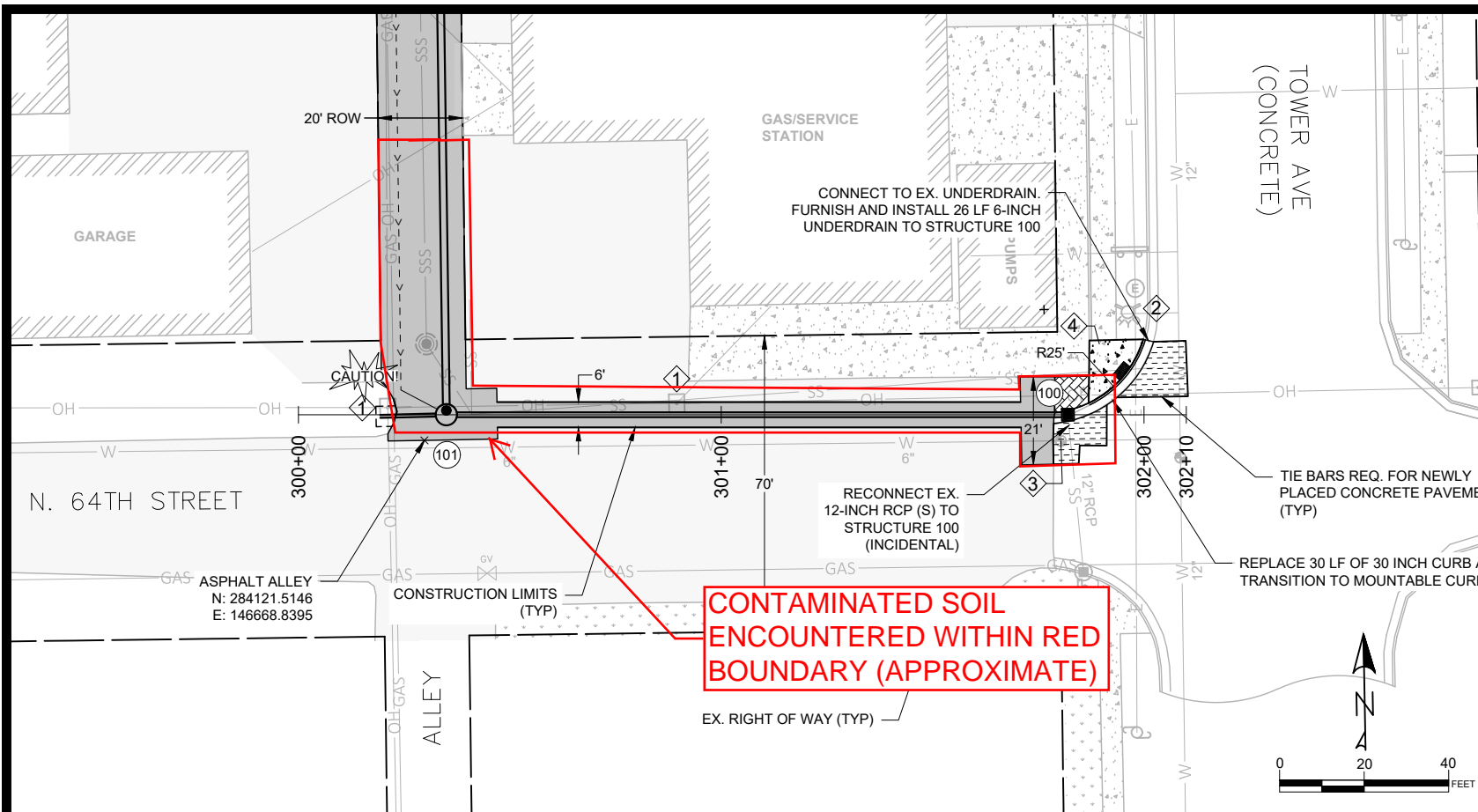
TYPICAL ALLEY SECTIONS



RIENFORCED PRECAST CONCRETE STRUCTURES



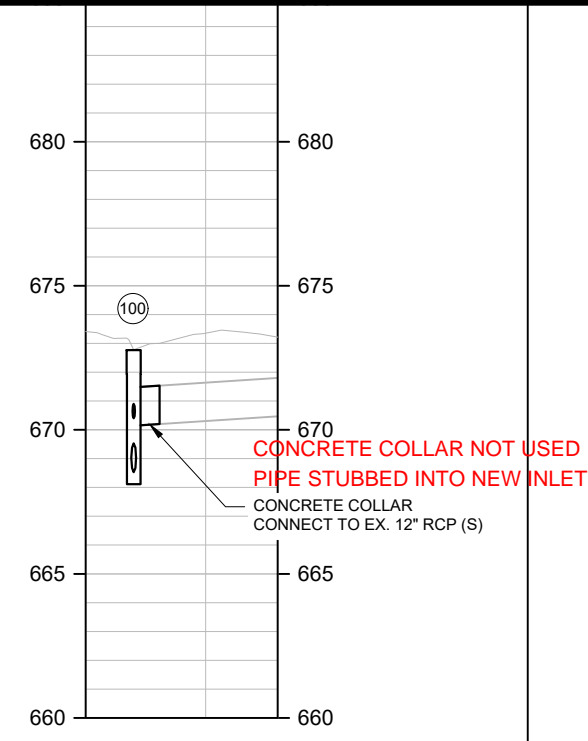
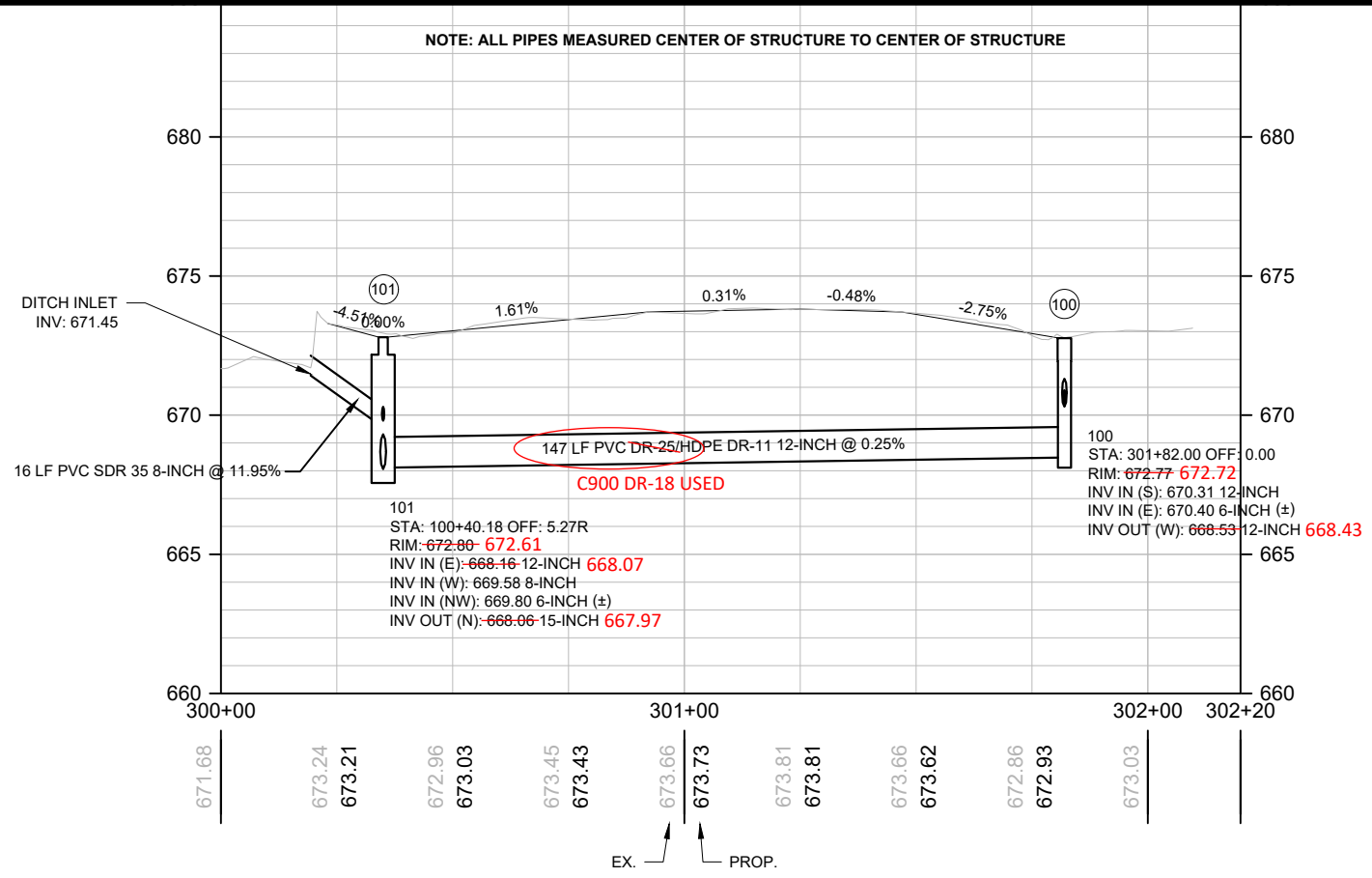




- NOTES:**
- ① PROTECT/STABILIZE UTILITY POLE COORDINATE WITH UTILITY COMPANY
 - ② PROTECT HYDRANT
 - ③ PROTECT WATER VALVE COORDINATE WITH UTILITY COMPANY IF ADJUSTMENT IS REQUIRED
 - ④ SIDEWALK RAMP TYPE 1

	CONCRETE SIDEWALK 7-INCH
	CONCRETE SIDEWALK 4-INCH
	CONCRETE PAVEMENT 9-INCH
	ASPHALT

CONTAMINATED SOIL ENCOUNTERED WITHIN RED BOUNDARY (APPROXIMATE)



STRUCTURE TABLE			
I.D.	DETAILS	TYPE & COVER	LOCATION
100	RIM = 672.77 INV IN (S) = 670.31 12-INCH RCP INV IN (E) = 670.40 6-INCH (± ELEV) INV OUT (W) = 668.53 12-INCH PVC DR-25/HDPE DR-11	2X2 FT INL TYPE B-A	301+82.00 0.0
101	RIM = 672.80 INV IN (E) = 668.16 12-INCH PVC DR-25/HDPE DR-11 INV IN (W) = 669.58 8-INCH PVC SDR 35 INV IN (NW) = 669.80 6-INCH (± ELEV) INV OUT (N) = 668.06 15-INCH SSSPC CLASS IV	4 FT DIA INL GRATED COVER* (CIRCULAR)	100+40.18 5.3 R
102	RIM = 673.57 INV IN (S) = 667.84 15-INCH SSSPC CLASS IV INV IN (E) = 667.94 12-INCH SSSPC CLASS IV INV OUT (N) = 667.74 15-INCH SSSPC CLASS IV	4 FT DIA INL GRATED COVER* (CIRCULAR)	101+70.89 5.1 R
103	RIM = 673.09 INV OUT (W) = 668.02 12-INCH SSSPC CLASS IV	3 FT DIA INL GRATED COVER* (CIRCULAR)	101+78.71 36.0 R
104	RIM = 672.00 INV IN (S) = 667.25 15-INCH SSSPC CLASS IV INV IN (W) = 667.09 18-INCH RCP INV IN (NW) = 669.50 6-INCH (± ELEV) INV OUT (E) = 667.07 18-INCH RCP (V.I.F.)	4 FT DIA INL TYPE B-A	104+57.12 4.7 R

* REFER TO ESD MINIMUM STANDARDS SHEET (3) FOR CASTING DIMENSIONS

680

100+40.38

680

680

670

670

670

660
-20

-10

0

10

660
20

100+75.00

680

ROW

ROW

4%

0%

0%

6%

-2%

2%

660
-20

-10

0

10

660
20

660
-20

-10

0

10

660
20

680

100+50.00

680

680

100+34.17

680

670

670
-20

-10

0

10

670
20

660
-20

-10

0

10

660
20



680

101+25.00

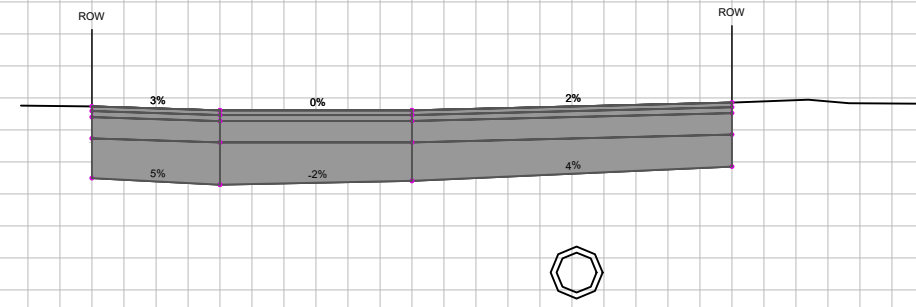
680

680

101+75.00

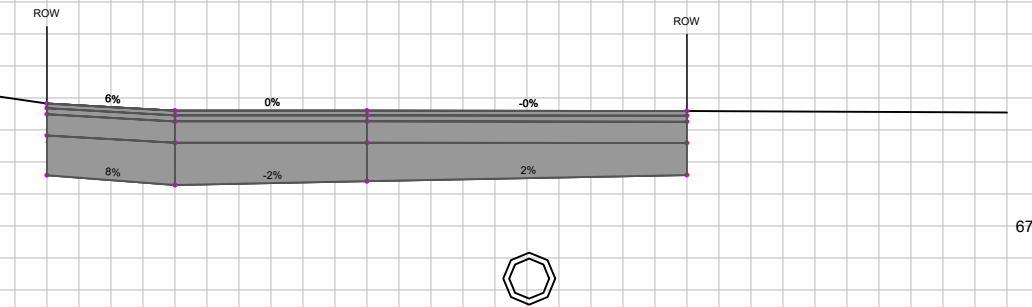
680

670



670

670



670

660

-20

-10

0

10

20

660

660

-20

-10

0

10

20

660

680

101+00.00

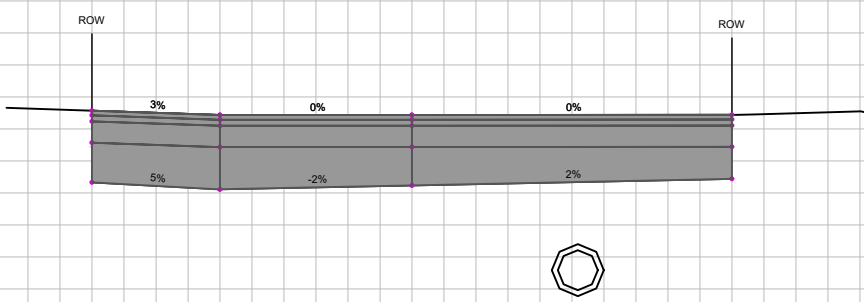
680

680

101+50.00

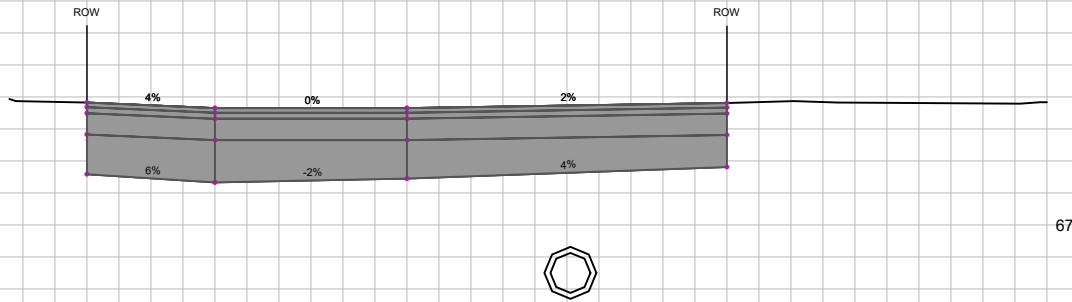
680

670



670

670



670

660

-20

-10

0

10

20

660

660

-20

-10

0

10

20

660



680

102+25.00

680

680

102+43.08

680

ROW

ROW

0%

4%

-2%

6%

ROW

ROW

-3%

0%

3%

-1%

-2%

5%

670

670

670

670



660

-20

-10

0

10

660

660

-20

-10

0

10

660

680

102+00.00

680

680

102+40.80

680

ROW

ROW

1%

1%

-1%

3%

ROW

ROW

-1%

3%

-3%

5%

670

670

670

670



660

-20

-10

0

10

660

660

-20

-10

0

10

660



680

102+75.00

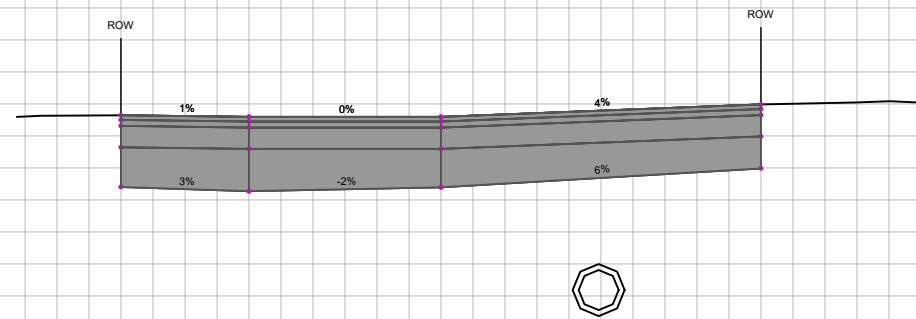
680

680

102+96.70

680

670



670

670

660

-10

0

10

660

-20

660

-20

-10

0

10

660

-20

680

102+50.00

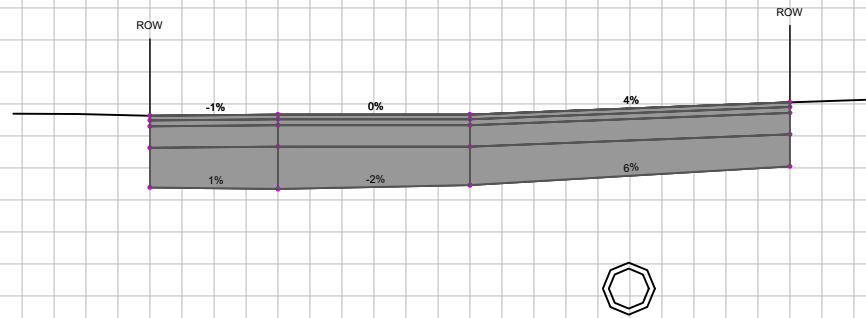
680

680

102+94.35

680

670



670

670

660

-10

0

10

660

-20

660

-20

-10

0

10

660

-20



680

103+25.00

680

680

103+47.17

680

ROW

ROW

-0%

2%

-2%

4%

670

670

670

670



660

-20

-10

0

10

20

660

660

-20

-10

0

10

20

660

680

103+00.00

680

680

103+44.89

680

ROW

ROW

1%

3%

-1%

5%

670

670

670

670



660

-20

-10

0

10

20

660

660

-20

-10

0

10

20

660



680

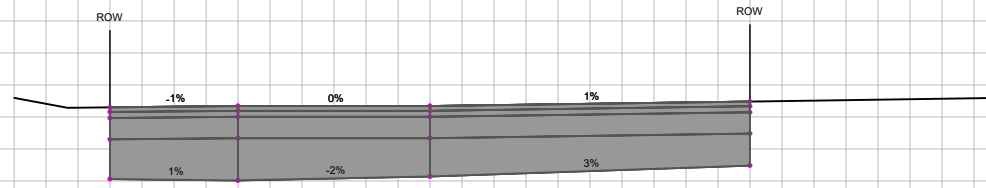
103+67.85

680

680

103+75.00

680



670

670

670

670



660

-10

0

10

660

660

-10

0

10

660

680

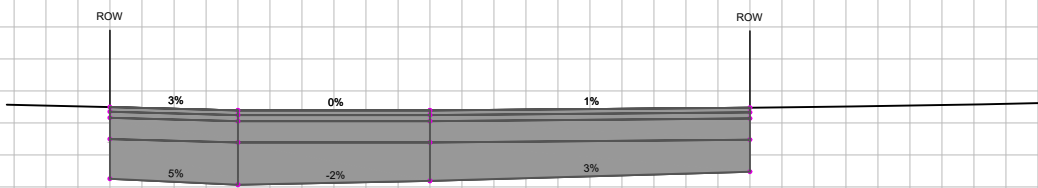
103+50.00

680

680

103+70.21

680



670

670

670

670



660

-10

0

10

660

660

-10

0

10

660



