

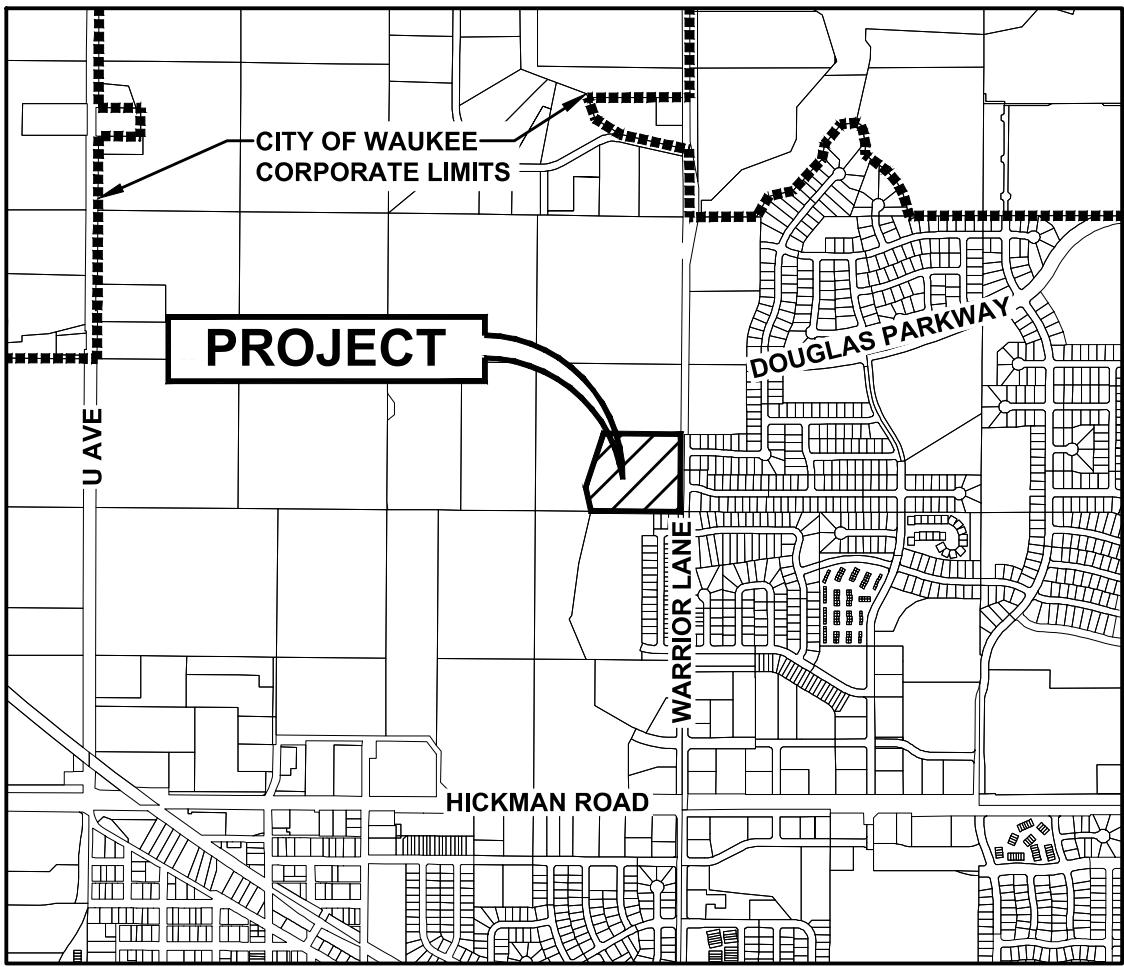
CONSTRUCTION PLANS FOR:

PRAIRIE ROSE PLAT 1

WAUKEE, IOWA

VICINITY MAP

NOT TO SCALE



WAUKEE, IOWA

DEVELOPER

LANDMARK DEVELOPMENT SERVICES
9550 HICKMAN ROAD, SUITE 100
CLIVE, IOWA 50325
PH: (515) 986-5994
CONTACT: BILL SPENCER

OWNER

PRAIRIE ROSE WAUKEE, LLC
9550 HICKMAN ROAD, SUITE 100
CLIVE, IOWA 50325
PH. (515) 986-5994
CONTACT: BILL SPENCER

ENGINEER

CIVIL DESIGN ADVANTAGE
3405 SE CROSSROADS DRIVE, SUITE G
GRIMES, IOWA 50111
CONTACT: ERIN OLLENDIKE
EMAIL: ERINO@CDA-ENG.COM
PH. (515) 369-4400
FX. (515) 369-4410

SURVEYOR

CIVIL DESIGN ADVANTAGE
3405 SE CROSSROADS DRIVE, SUITE G
GRIMES, IOWA 50111
CONTACT: CHARLIE MCGLOTHLEN
EMAIL: CHARLIEM@CDA-ENG.COM
PH. (515) 369-4400
FX. (515) 369-4410

ZONING

PD-1: PLANNED UNIT
DEVELOPMENT DISTRICT W/
UNDERLYING R-2 - ONE AND
TWO FAMILY RESIDENTIAL
DISTRICT

DATE OF SURVEY:

AUGUST 03, 2020

SUBMITTALS

FIRST SUBMITTAL: 11/10/2020
SECOND SUBMITTAL: 12/15/2020
THIRD SUBMITTAL: 01/19/2021
FINAL SUBMITTAL: 01/29/2021
ASBUILT SUBMITTAL: 08/11/2021

BULK REGULATIONS

PD-1: PLANNED UNIT DEVELOPMENT DISTRICT W/ UNDERLYING
R-2: ONE AND TWO FAMILY RESIDENTIAL DISTRICT

FRONT YARD: 30 FEET
SIDE YARD: A TOTAL OF 10 FEET, MINIMUM OF 5 FEET ON EACH
SIDE
REAR YARD: 30 FEET

BENCHMARKS

SANITARY MANHOLE AT
SOUTHEAST CORNER OF WARRIOR
LANE AND GRACEWOOD DRIVE.
ELEVATION=1019.42

BURY BOLT ON HYDRANT @ SE
CORNER OF BADGER AND
WARRIOR LANE.
ELEVATION=1014.03

CONSTRUCTION SCHEDULE

DECEMBER 2020 - AUGUST 2021

DEVELOPMENT SUMMARY

TOTAL AREA OF PLAT 1 = 12.46 ACRES (542,542 SF)

PD-1 W/ UNDERLYING R-2 RESIDENTIAL = 12.46 ACRES (542,542 SF)
-LOTS 1-33, OUTLOT 'X'

NOTES

- ANY CHANGES PROPOSED TO THE CONSTRUCTION DRAWINGS DURING CONSTRUCTION SHALL BE APPROVED IN WRITING BY THE DEVELOPMENT SERVICES DEPARTMENT.
- THE CONTRACTOR IS RESPONSIBLE FOR ANY CHANGES MADE DURING CONSTRUCTION THAT HAVE NOT BEEN GRANTED APPROVAL IN WRITING BY THE DEVELOPMENT SERVICES DEPARTMENT.
- THE RESULTS OF THE GEOTECHNICAL REPORT ARE TO BE PROVIDED TO THE CITY OF WAUKEE ENGINEERING DEPARTMENT. THE CONSTRUCTION DRAWINGS ARE SUBJECT TO ANY CHANGES REQUIRED BY THE REPORT.
- THE CONTRACTOR IS RESPONSIBLE FOR THE TRAFFIC CONTROL NEEDS FOR PAVING N WARRIOR LANE. A MESSAGE BOARD WILL BE REQUIRED AT LEAST 1 WEEK IN ADVANCE OF ANY LANE CLOSURES.

INDEX OF SHEETS

NO.	DESCRIPTION
1	TITLE SHEET
2-3	TYPICAL SECTIONS AND DETAILS
4	QUANTITIES, GENERAL NOTES AND BID ITEM REFERENCE NOTES
5	HYDRANT COVERAGE AND LANDSCAPE PLAN
6	GRADING PLAN
7	EROSION AND SEDIMENT CONTROL PLAN
8-14	STORM & SANITARY SEWER PLAN AND PROFILE
15-17	WATER MAIN PLAN AND PROFILE
18	INTERSECTION DETAILS

LEGAL DESCRIPTION

A PART OF THE NORTHEAST QUARTER OF SECTION 28, TOWNSHIP 79 NORTH, RANGE 26 WEST OF THE FIFTH PRINCIPAL MERIDIAN IN THE CITY OF WAUKEE, DALLAS COUNTY, IOWA AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEAST CORNER OF SAID SECTION 28, THENCE SOUTH 00°01'00" WEST ALONG THE EAST LINE OF SAID NORTHEAST QUARTER, 222.89 FEET; THENCE NORTH 89°59'00" WEST ALONG THE NORTHERLY LINE OF PARCEL AA AS SHOWN ON PLAT OF SURVEY RECORDED IN BOOK 2013 PAGE 1934 AND THE EASTERLY EXTENSION THEREOF, 163.00 FEET; THENCE SOUTH 00°01'00" WEST ALONG THE WESTERLY LINE OF SAID PARCEL AA, 150.00 FEET TO THE SOUTHWEST CORNER OF SAID PARCEL AA; THENCE SOUTH 89°59'00" EAST ALONG THE SOUTHERLY LINE OF SAID PARCEL AA AND EASTERLY EXTENSION THEREOF, 163.00 FEET TO SAID EAST LINE OF SAID NORTHEAST QUARTER; THENCE SOUTH 00°01'00" WEST ALONG SAID NORTHEAST QUARTER, 2256.93 FEET TO THE EAST QUARTER CORNER OF SECTION 28; THENCE NORTH 89°52'26" WEST ALONG THE NORTHERLY LINE OF INDI RUN PLATS 1 AND 2, BOTH OFFICIAL PLATS, 795.70 FEET; THENCE NORTH 13°14'26" WEST, 216.48 FEET; THENCE NORTH 17°58'37" EAST, 505.52 FEET; THENCE NORTH 21°52'19" WEST, 348.21 FEET; THENCE NORTH 29°59'11" EAST, 474.97 FEET; THENCE NORTH 00°46'22" EAST, 658.70 FEET; THENCE NORTH 38°41'34" EAST, 696.82 FEET TO THE NORTH LINE OF SAID NORTHEAST QUARTER; THENCE SOUTH 89°46'18" EAST ALONG SAID NORTH LINE, 137.88 FEET TO THE POINT OF BEGINNING AND CONTAINING 37.28 ACRES (1,624,010 SQUARE FEET). THE PROPERTY IS SUBJECT TO ANY AND ALL EASEMENTS OF RECORD.

UTILITY WARNING

ANY UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY AND RECORDS OBTAINED BY THIS SURVEYOR. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL THE UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION SHOWN.

GENERAL LEGEND

PROPOSED

SECTION LINE	----
CENTER LINE	----
RIGHT OF WAY	---R/W---
PERMANENT EASEMENT	---P/E---
TEMPORARY EASEMENT	---T/E---
TYPE SW-501 STORM INTAKE	
TYPE SW-503 STORM INTAKE	
TYPE SW-505 STORM INTAKE	
TYPE SW-506 STORM INTAKE	
TYPE SW-513 STORM INTAKE	
TYPE SW-401 STORM MANHOLE	
TYPE SW-402 STORM MANHOLE	
TYPE SW-301 SANITARY MANHOLE	
STORM/SANITARY CLEANOUT	
WATER VALVE	
FIRE HYDRANT ASSEMBLY	
SIGN	
DETECTABLE WARNING PANEL	
WATER CURB STOP	
STORM SEWER STRUCTURE NO.	
STORM SEWER PIPE NO.	
SANITARY SEWER STRUCTURE NO.	
SANITARY SEWER PIPE NO.	
SANITARY SEWER WITH SIZE	
SANITARY SERVICE	
STORM SEWER	
STORM SERVICE	
WATERMAIN WITH SIZE	
WATER SERVICE	
SAWCUT (FULL DEPTH)	
SILT FENCE	
USE AS CONSTRUCTED	(UAC)
TOP OF PROPOSED GROUND	TG
MINIMUM PROTECTION ELEVATION	MPE
MINIMUM GRADE AT EXPOSED STRUCTURE	MGS

EXISTING

SANITARY MANHOLE	
WATER VALVE BOX	
FIRE HYDRANT	
WATER CURB STOP	
WELL	
STORM SEWER MANHOLE	
STORM SEWER SINGLE INTAKE	
STORM SEWER DOUBLE INTAKE	
FLARED END SECTION	
DECIDUOUS TREE	
CONIFEROUS TREE	
DECIDUOUS SHRUB	
CONIFEROUS SHRUB	
ELECTRIC POWER POLE	
GUY ANCHOR	
STREET LIGHT	
POWER POLE W/ TRANSFORMER	
UTILITY POLE W/ LIGHT	
ELECTRIC BOX	
ELECTRIC TRANSFORMER	
ELECTRIC MANHOLE OR VAULT	
TRAFFIC SIGN	
TELEPHONE JUNCTION BOX	
TELEPHONE MANHOLE/VAULT	
TELEPHONE POLE	
GAS VALVE BOX	
CABLE TV JUNCTION BOX	
CABLE TV MANHOLE/VAULT	
MAIL BOX	
BENCHMARK	
SOIL BORING	
UNDERGROUND TV CABLE	
GAS MAIN	
FIBER OPTIC	
UNDERGROUND TELEPHONE	
OVERHEAD ELECTRIC	
UNDERGROUND ELECTRIC	
FIELD TILE	
SANITARY SEWER W/ SIZE	
STORM SEWER W/ SIZE	
WATER MAIN W/ SIZE	

AS-BUILT DRAWINGS

AS-BUILT PLANS ARE BASED ON SURVEYED INVERT ELEVATIONS AND INFORMATION SUPPLIED BY THE CONTRACTOR. CIVIL DESIGN ADVANTAGE TAKES NO RESPONSIBILITY FOR UNAUTHORIZED CHANGES TO THE PLANS WITHOUT CITY/OWNER KNOWLEDGE. FIELD VERIFICATION OF UTILITIES OR OTHER PLAN ELEMENTS IS ALWAYS RECOMMENDED.



CIVIL DESIGN ADVANTAGE

3405 SE CROSSROADS DR. SUITE G GRIMES, IOWA 50111

PH: (515) 369-4400 Fax: (515) 369-4410

PROJECT NO. 2009.485



1-800-292-8989

www.iowaonecall.com



Call before you dig.

THIS PROJECT REQUIRES AN IOWA NPDES PERMIT #2. CIVIL DESIGN ADVANTAGE WILL PROVIDE THE PERMITS AND THE INITIAL STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR THE CONTRACTORS USE DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR UPDATING THE SWPPP THROUGHOUT CONSTRUCTION AND MEETING LOCAL, STATE AND FEDERAL REQUIREMENTS.

THIS DESIGN SPECIFICALLY PREPARED FOR USE AT THE LOCATION SHOWN. USE IN ANY OTHER MANNER EXCEEDS THE INTENDED PURPOSE OF THESE DRAWINGS AND ANY ACCOMPANYING SPECIFICATIONS.

THE MOST RECENT EDITION OF THE CITY OF WAUKEE STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS AND THE 2021 EDITION OF SUDAS STANDARD SPECIFICATIONS SHALL APPLY TO ALL WORK PERFORMED ON THIS PROJECT EXCEPT AS MODIFIED HEREIN.



I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

Erin K. Ollendike

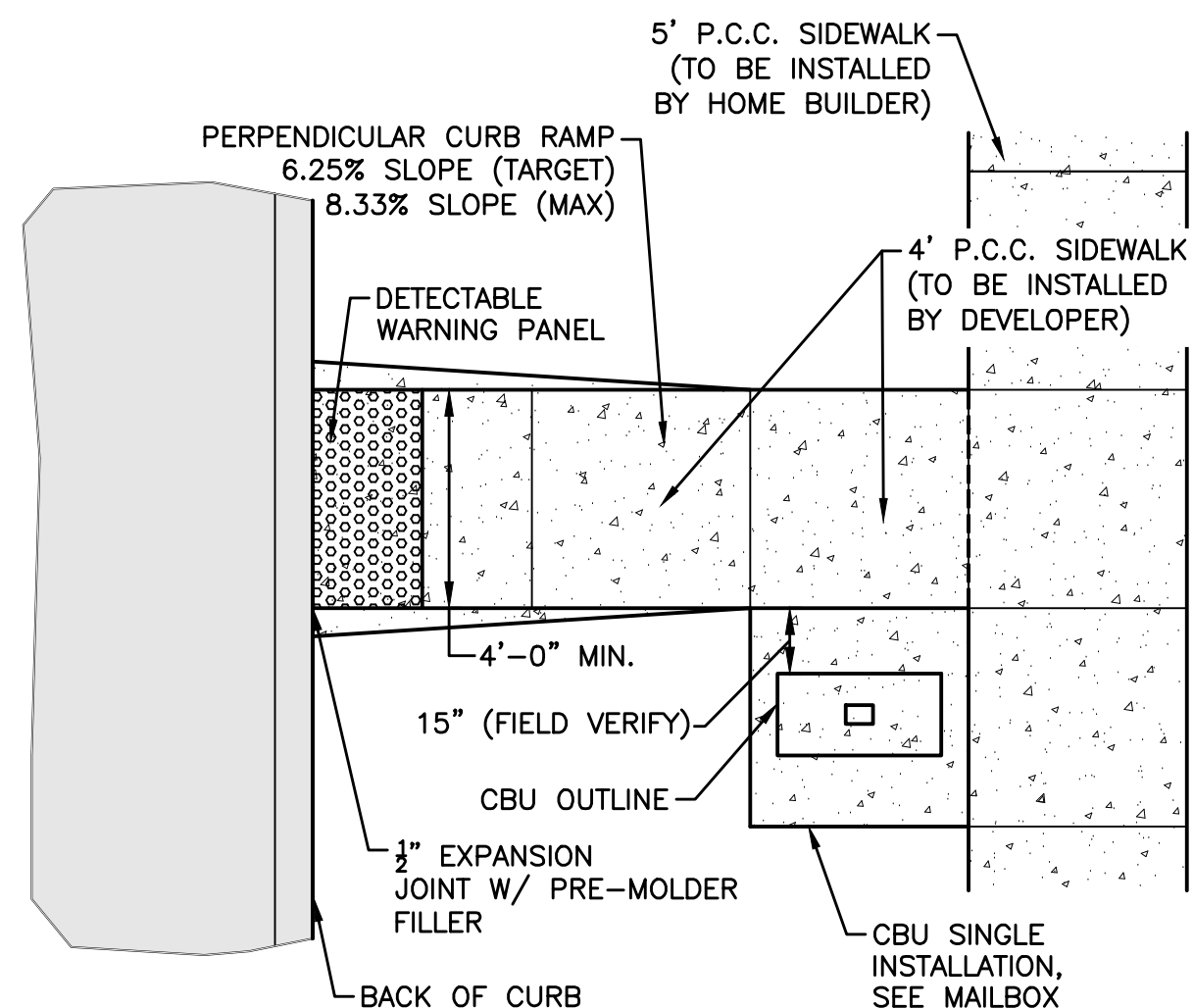
08-17-2021

ERIN K. OLLENDIKE, P.E.

DATE

LICENSE NUMBER 16926
MY LICENSE RENEWAL DATE IS DECEMBER 31, 2021
PAGES OR SHEETS COVERED BY THIS SEAL:

SHEETS 1-18

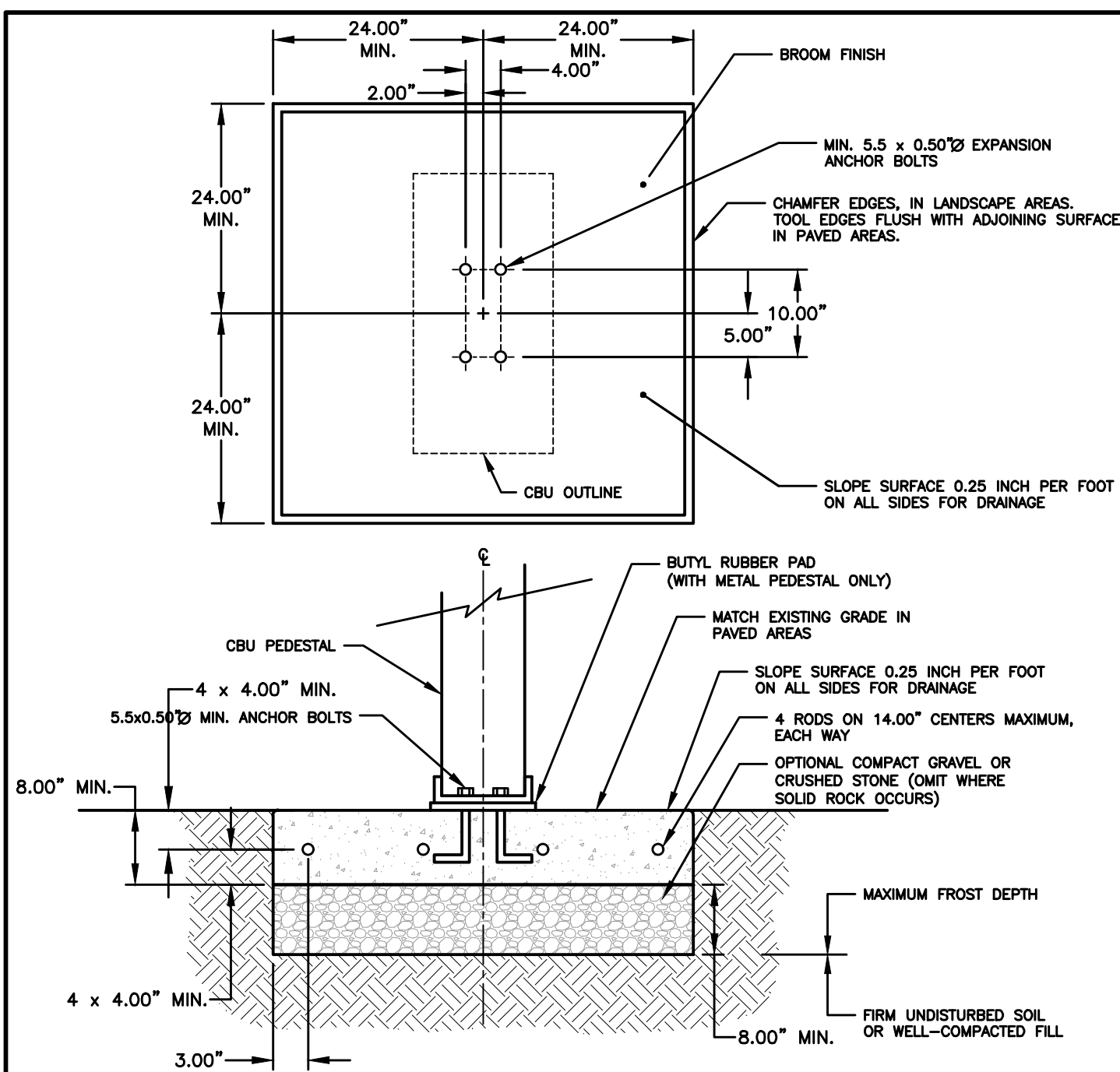


INSTALLATION NOTE:

1. MAILBOX PADS TO BE INSTALLED BY DEVELOPER.
2. CLUSTER MAILBOX TO BE LOCATED ON THE NO PARKING/STREET LIGHT SIDE OF STREET.
3. DO NOT LOCATE AT INTERSECTION.
4. LOCATE NEAR SHARED PROPERTY LINE PER APPROVED PLAN.
5. DETERMINE SIDEWALK SIDE OF MAILBOX PAD ELEVATION ASSUMING CONSTANT 4% SLOPE FROM BACK OF CURB TO SIDEWALK SIDE OF MAILBOX PAD. RESULTING SLOPE FROM BACK OF CURB TO STREET SIDE OF MAILBOX PAD WILL BE GREATER THAN 4%. FOR EXAMPLE, FOR A 29' WIDE PAVEMENT WITH A 60' WIDE R.O.W. AND A 2% MAILBOX PAD CROSS SLOPE, THE RESULTING SLOPE FROM THE BACK OF CURB TO THE STREET SIDE OF MAILBOX PAD IS 6.2%.

MAILBOX PAD DETAIL

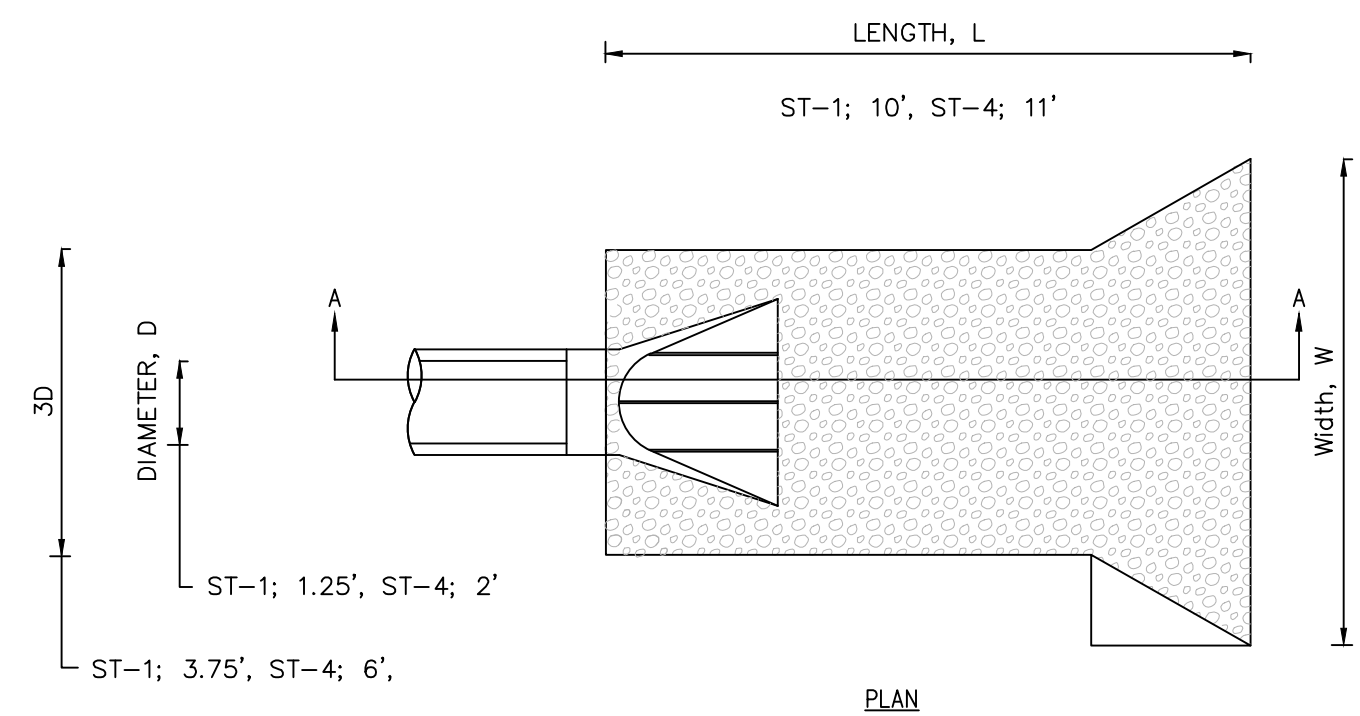
NOT TO SCALE



MAILBOX CLUSTER PAD DETAIL

NOT TO SCALE

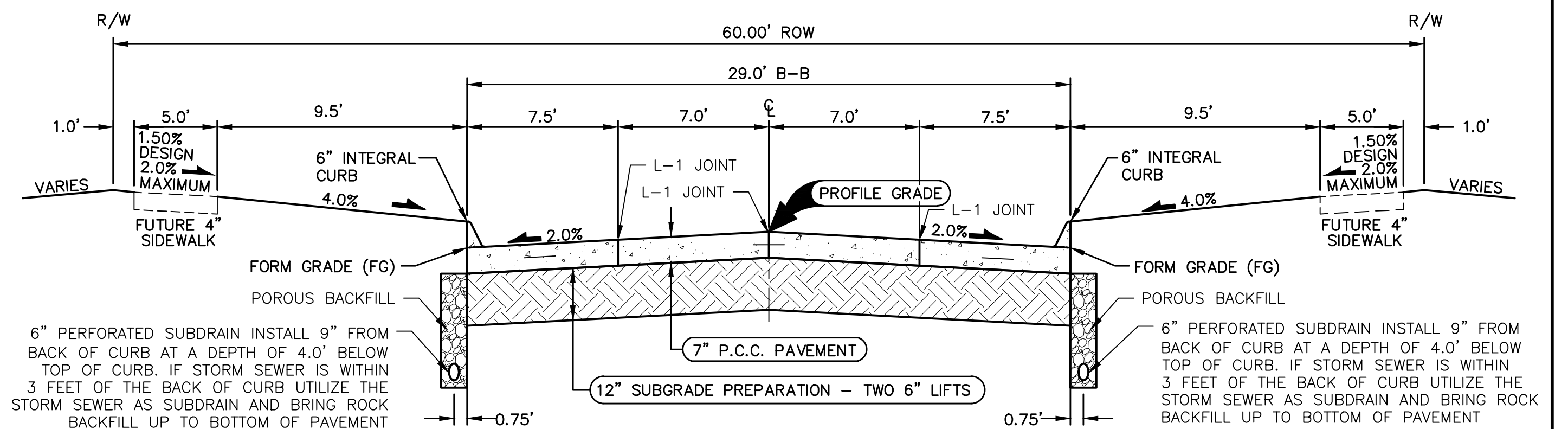
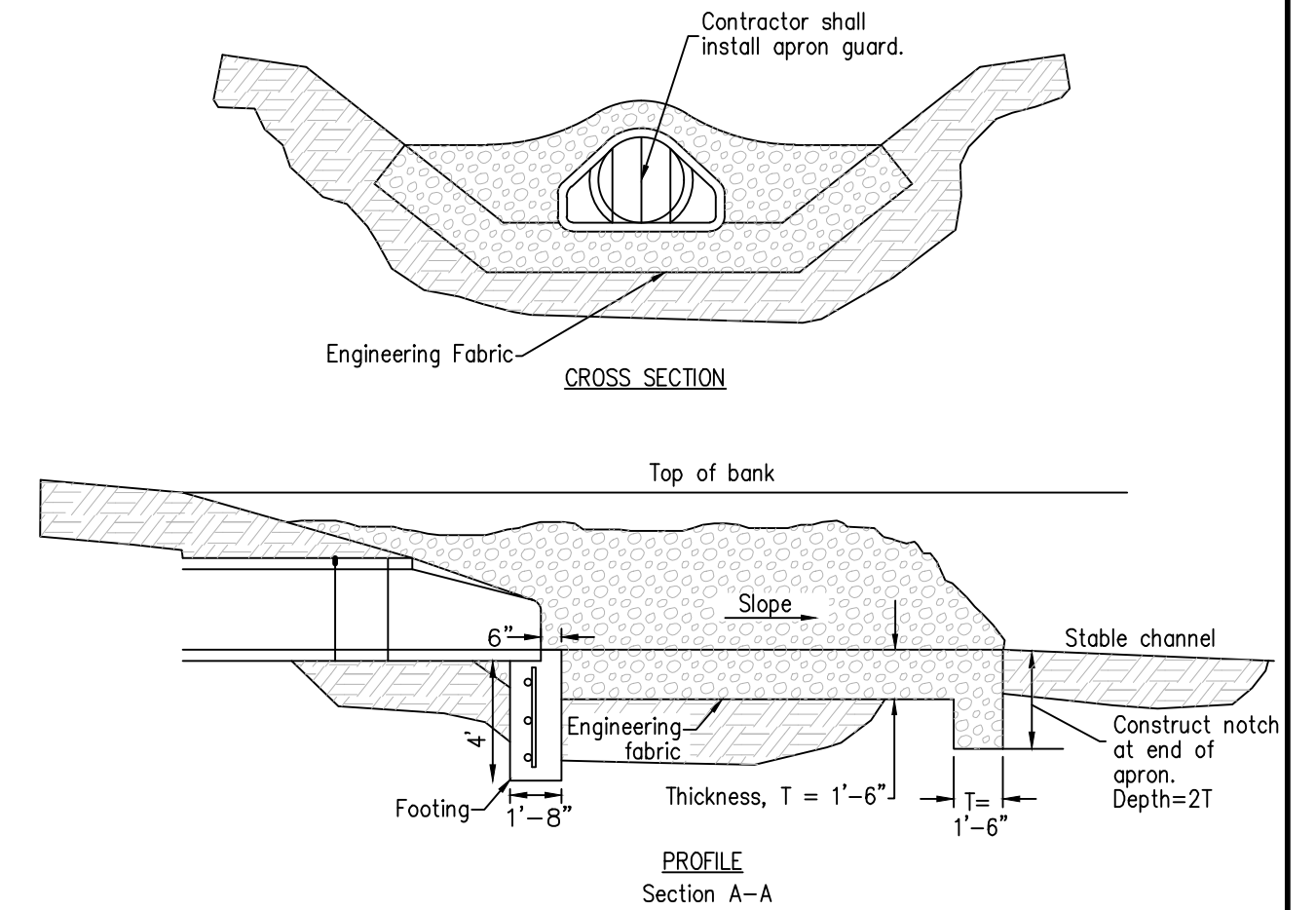
- NOTES:**
1. CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS, CONTAIN 4% MIN. - 6% MAX. AIR ENTRAINMENT AND BE PLACED WITH A 3.50\" - 4.00\" SLUMP IN ACCORDANCE WITH ACI 301.
 2. REINFORCING STEEL RODS SHALL CONFORM TO ASTM A615, GRADE 60.
 3. EXPANSION BOLTS SHALL BE EQUIVALENT TO THE FOLLOWING PROVIDERS:
A. HILTI KWIK BOLT (WWW.HILTI.COM) II-1/2\" DIAMETER X 5-1/2\" OVERALL LENGTH, GALVANIZED, CATALOG # 000-453-696 KB II 12-512, STAINLESS STEEL: CATALOG # 000-454-744. ENSURE THAT THE MIN. EMBEDMENT IN CONCRETE IS AT LEAST 3-1/2\".
B. ITW RAMSET REDHEAD TRIBOLT (WWW.RAMSET-REDHEAD.COM) GALVANIZED, 1/2\" DIAMETER X 7\" OVERALL LENGTH; CATALOG NUMBER: WS-1270G. ENSURE THAT MIN. EMBEDMENT IS CONCRETE IS AT LEAST 4-1/8\".
C. RAINL STUD (WWW.RAINL.COM) GALVANIZED, 1/2\" X 5-1/2\" OVERALL LENGTH; CATALOG NUMBER: 7724. ENSURE THAT MIN. EMBEDMENT IN CONCRETE IS AT LEAST 4\".



- NOTE:**
1. THE LAST THREE SECTIONS AND THE APRON SHALL BE CONNECTED WITH PIPE CONNECTIONS PER SECTION 4030.302C OF SUDAS.
 2. INSTALL A 3\" CLAY WATERSTOP AT ALL STORM SEWER OUTLETS.

ROCK APRON FOR PIPE OUTLET

NOT TO SCALE

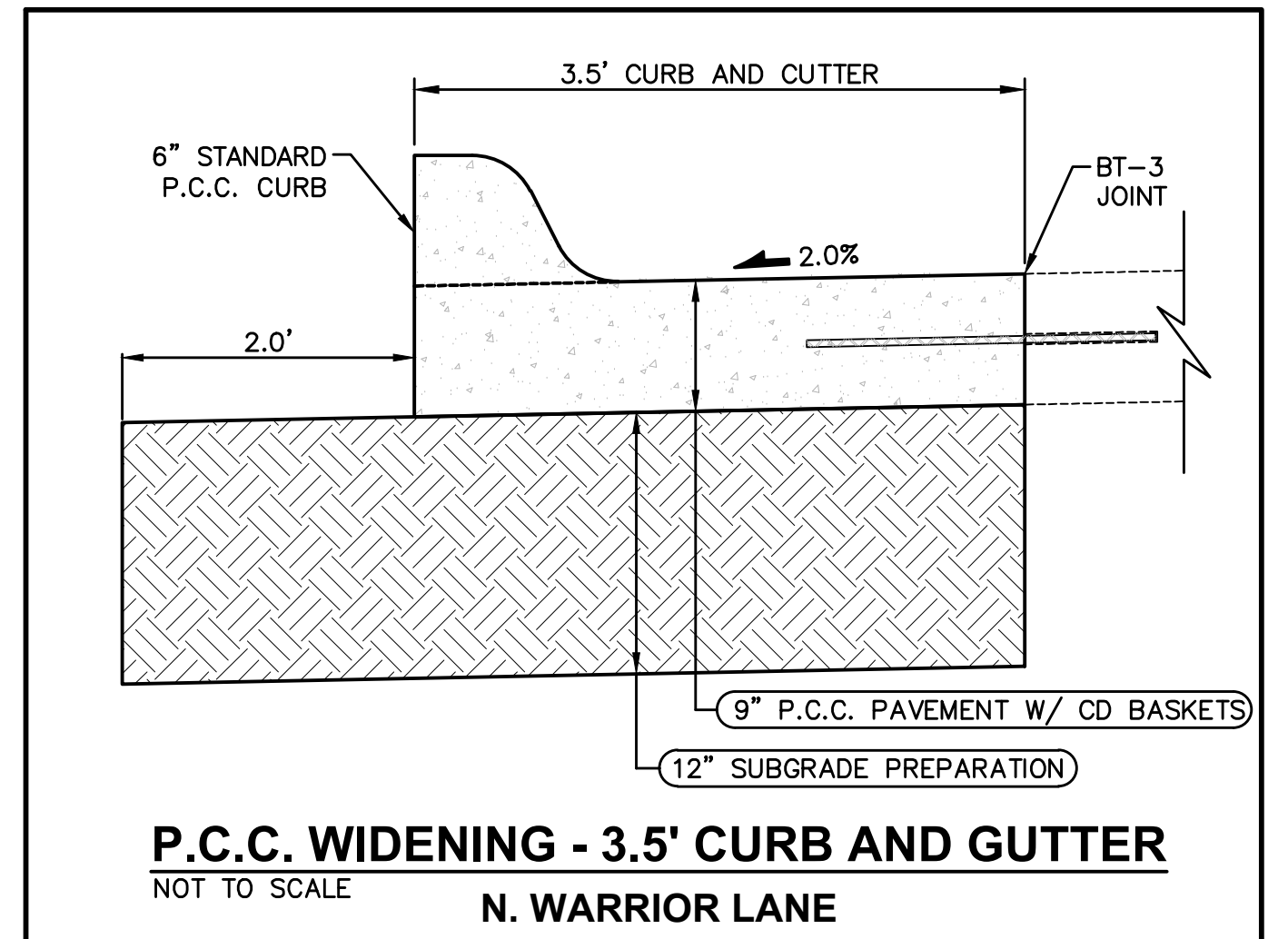


29' B/B P.C.C. ROADWAY WITH 60' R.O.W.

NOT TO SCALE NW BADGER LANE, NW FOX RUN TRAIL, NW PIKE LANE

NOTES:

1. PREPARE SUBGRADE IN 2 - 6\" LIFTS.
2. MAXIMUM C JOINT SPACING IS 15'.



P.C.C. WIDENING - 3.5' CURB AND GUTTER

NOT TO SCALE

N. WARRIOR LANE

3405 S.E. CROSSROADS DRIVE, SUITE G
GRIMES, IOWA 50111
PHONE: (515) 369-4400 FAX: (515) 369-4410

ENGINEER: EKO

EI: CWO/JWM



WAUKEE, IOWA

PRAIRIE ROSE PLAT 1
TYPICAL SECTIONS AND DETAILS

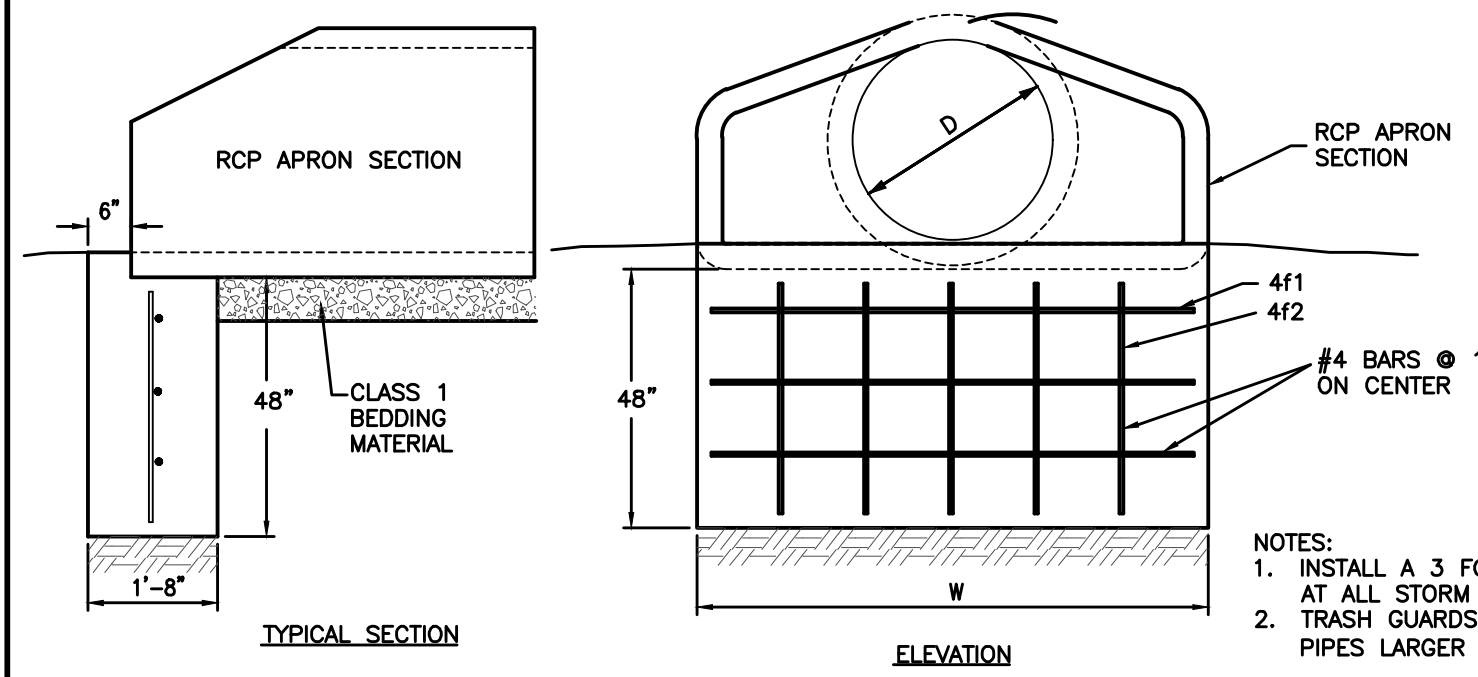
2
18

2009.485



REVISIONS	DATE
ASBUILT SUBMITTAL	08/11/2021
FINAL SUBMITTAL	01/29/2021
THIRD SUBMITTAL	01/19/2021
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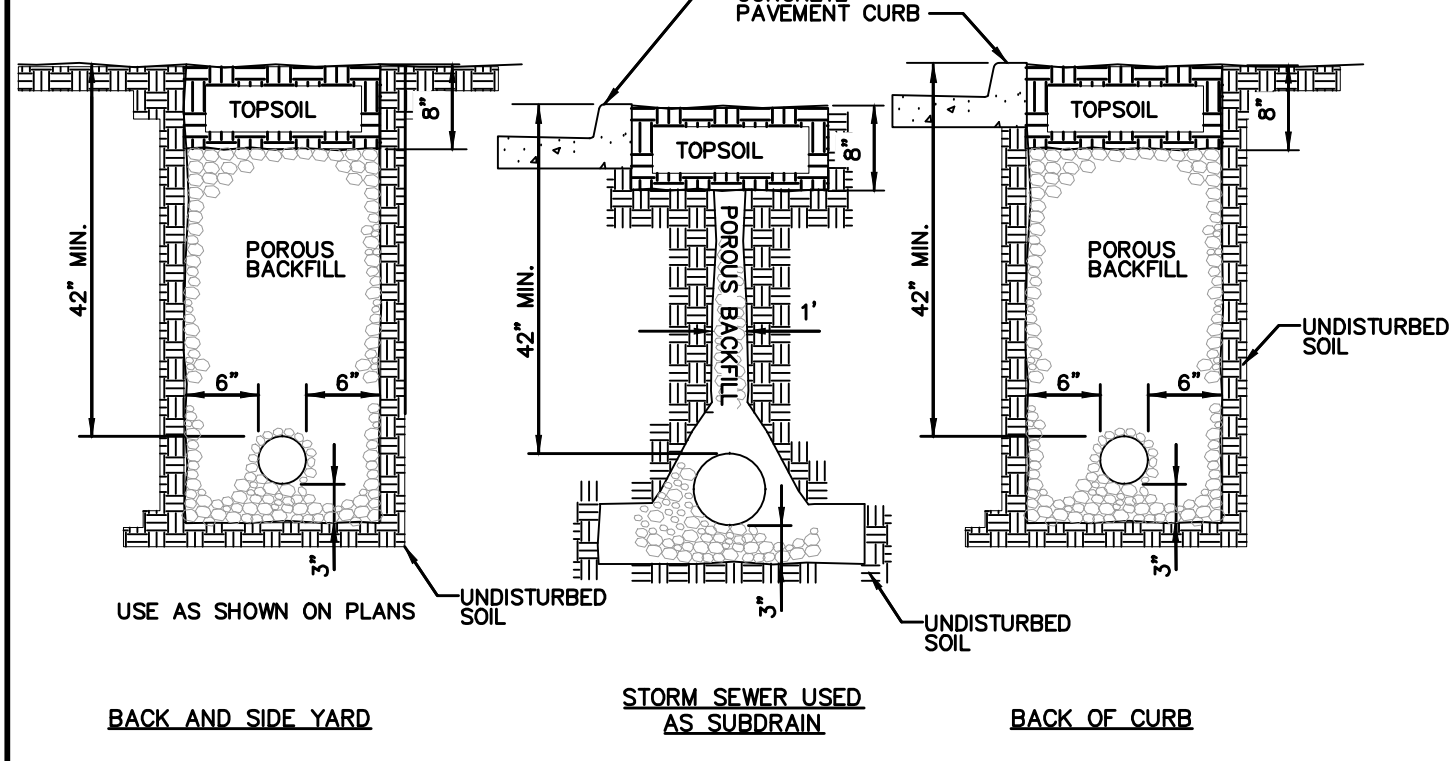
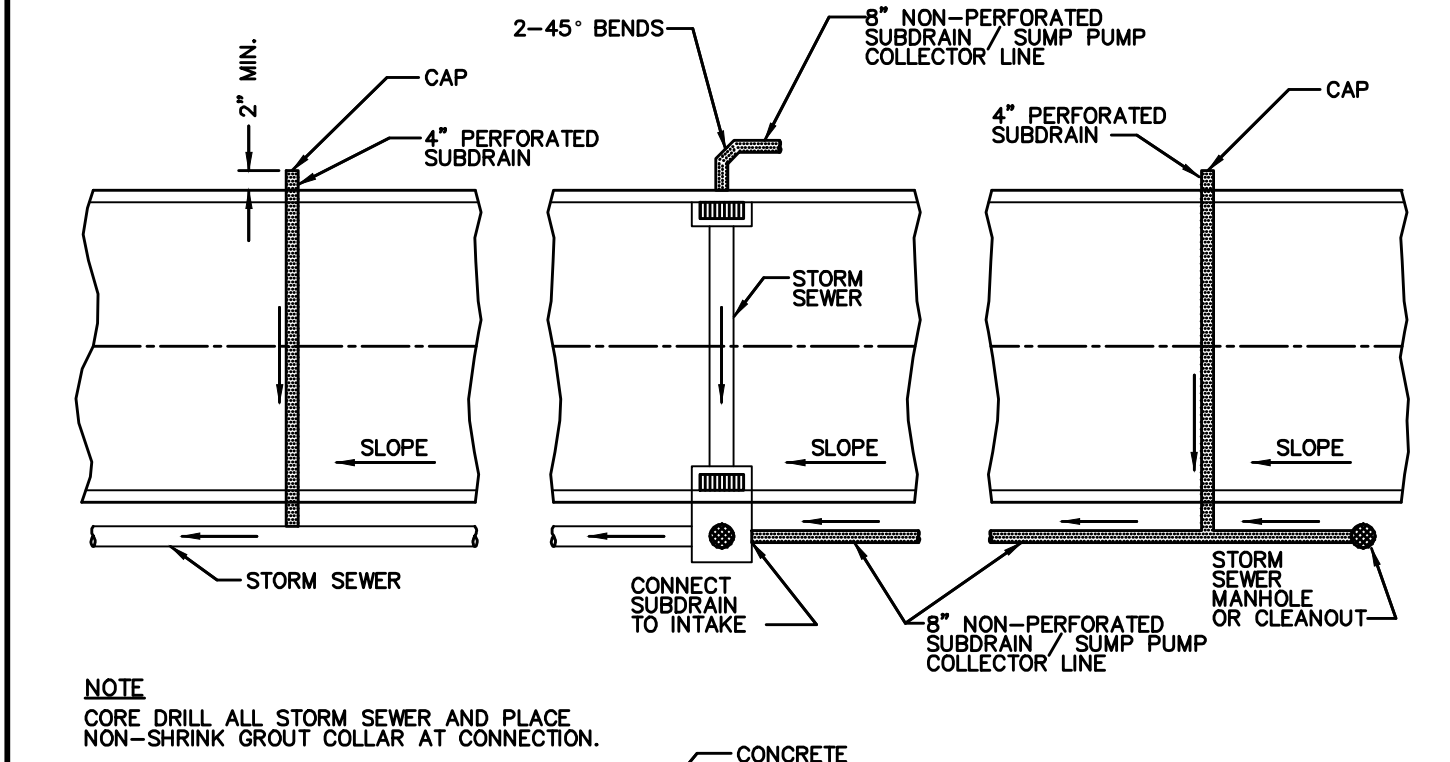
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PLOT: 8/11/2021 8:34 AM
PLOT: 8/11/2021 8:34 AM
PLOT: 8/11/2021 8:34 AM



REINFORCING BAR LIST						REINFORCING BAR LIST					
D	W	Mark	Size	Length	Count	D	W	Mark	Size	Length	Count
12"	2'-4"	4F1	4	2'-0"	3	48"	7'-10"	4F1	4	7'-6"	3
		4F2	4	3'-8"	2			4F2	4	3'-8"	6
15"	2'-10"	4F1	4	2'-6"	3	54"	8'-5"	4F1	4	8'-1"	3
		4F2	4	3'-8"	2			4F2	4	3'-8"	6
18"	3'-5"	4F1	4	3'-1"	3	60"	8'-11"	4F1	4	8'-7"	3
		4F2	4	3'-8"	3			4F2	4	3'-8"	6
24"	4'-6"	4F1	4	4'-2"	3	66"	8'-11"	4F1	4	8'-7"	3
		4F2	4	3'-8"	3			4F2	4	3'-8"	6
30"	5'-7"	4F1	4	5'-3"	3	72"	10'-0"	4F1	4	9'-8"	3
		4F2	4	3'-8"	4			4F2	4	3'-8"	7
36"	6'-8"	4F1	4	6'-4"	3	78"	10'-7"	4F1	4	10'-3"	3
		4F2	4	3'-8"	5			4F2	4	3'-8"	7
42"	7'-3"	4F1	4	6'-11"	3	84"	11'-1"	4F1	4	10'-9"	3
		4F2	4	3'-8"	5			4F2	4	3'-8"	8

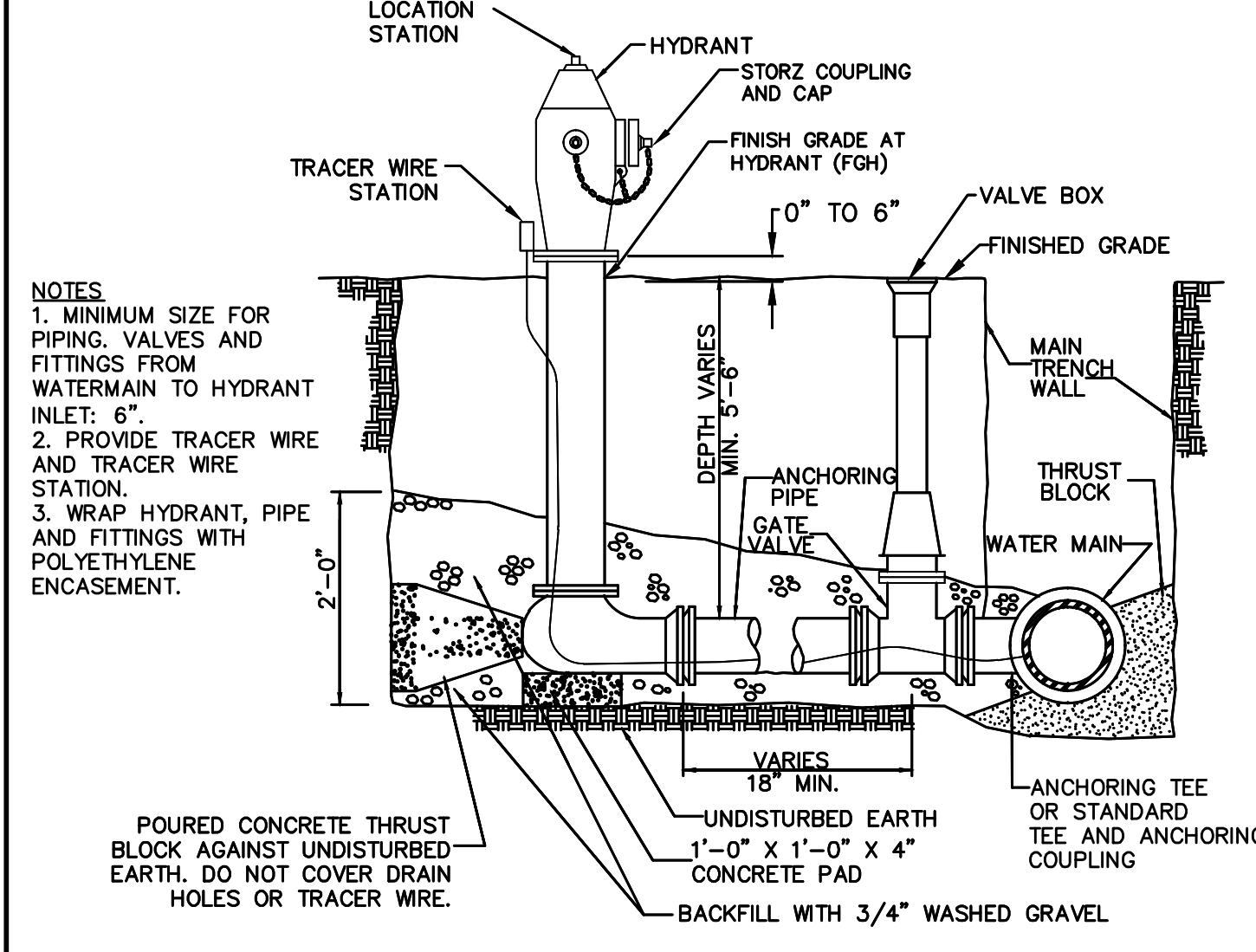
RCP APRON FOOTING DETAIL

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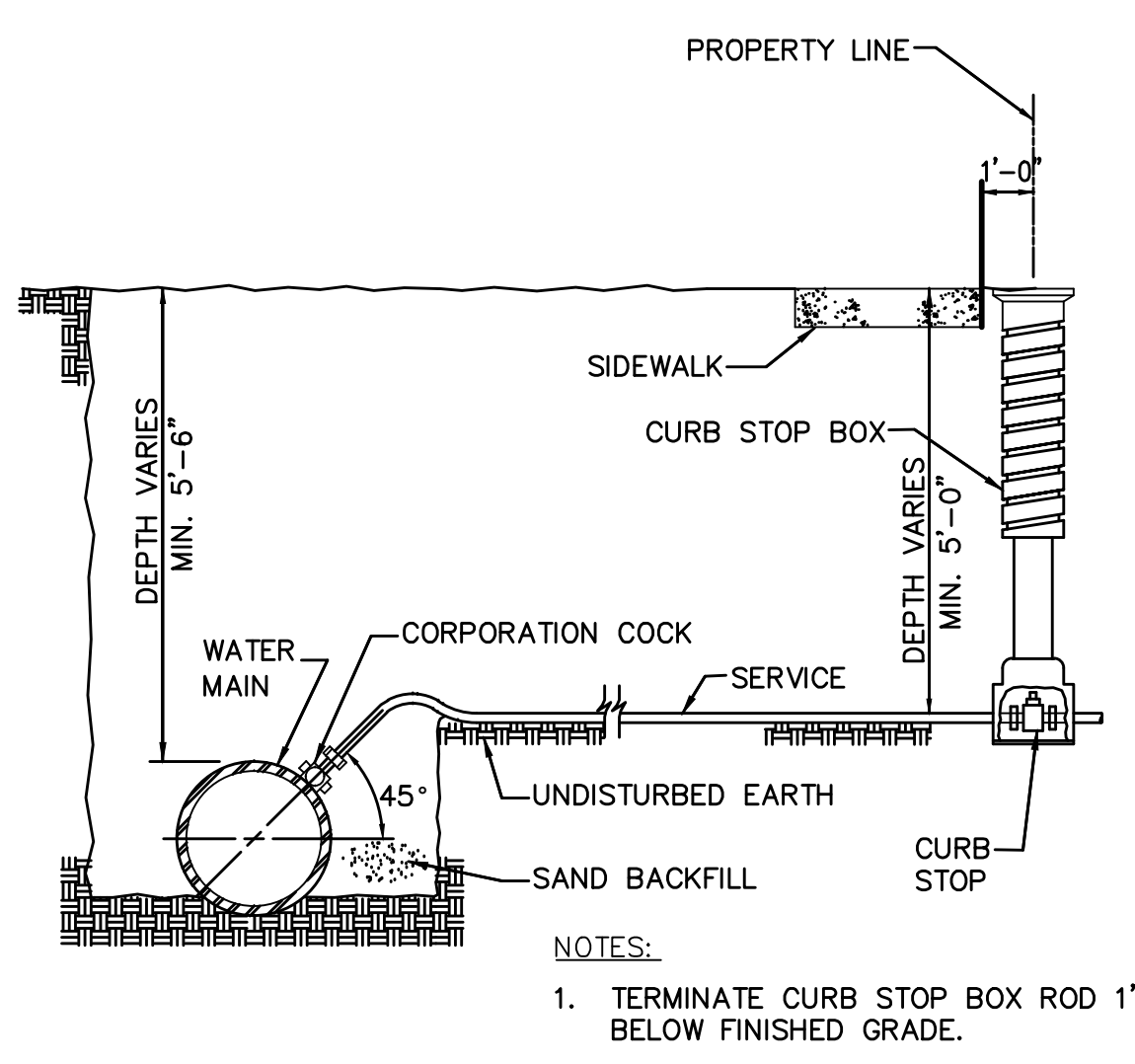
6" PERFORATED SUBDRAIN

NOT TO SCALE



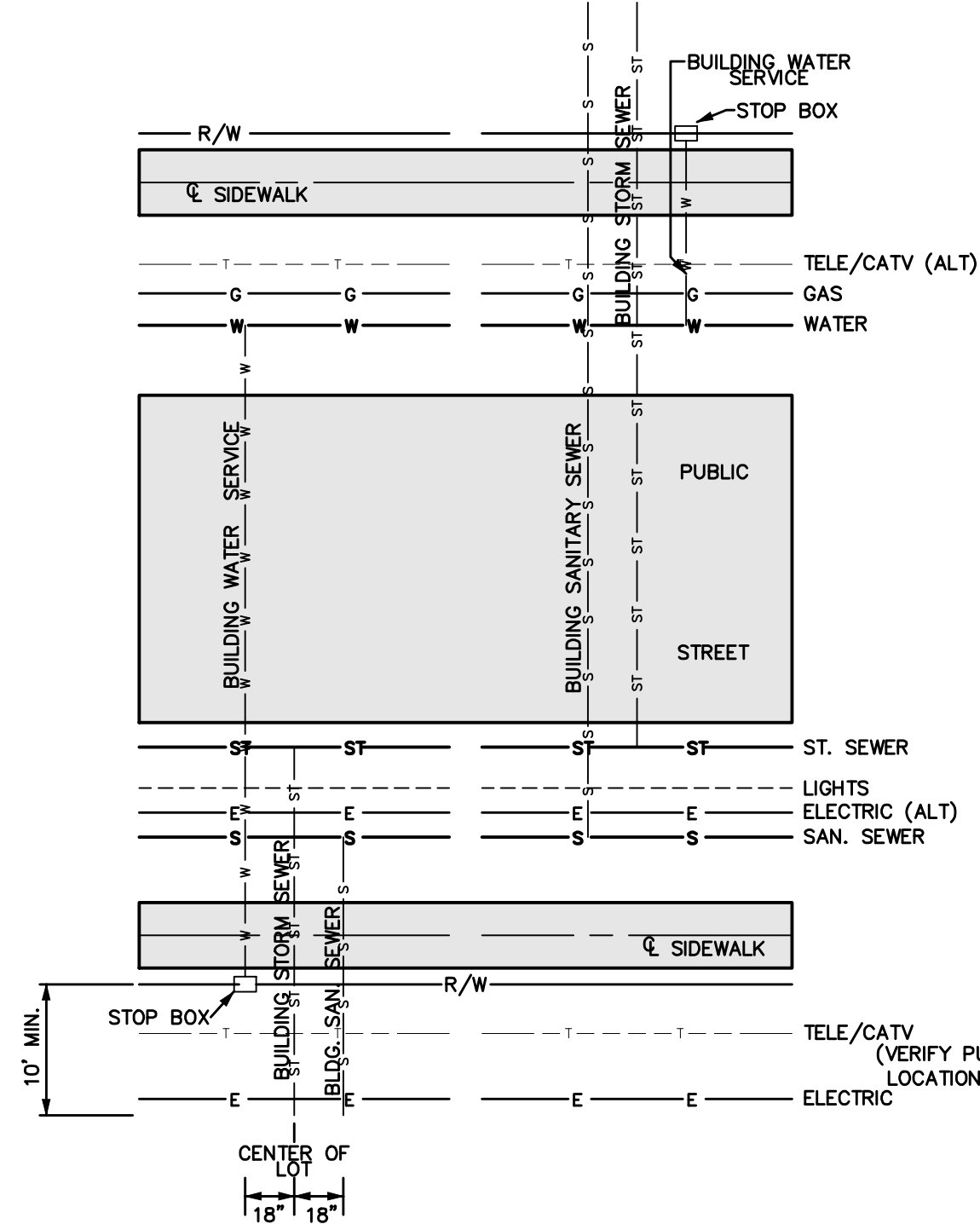
HYDRANT ASSEMBLY DETAIL

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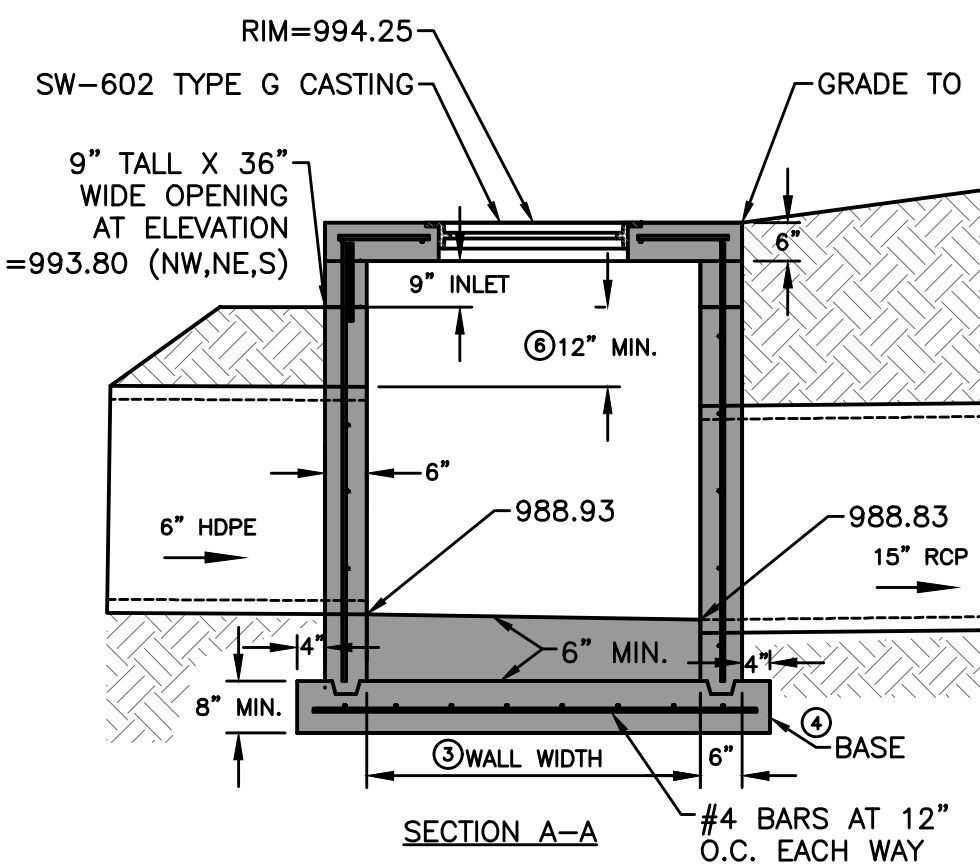
WATER SERVICE CONNECTION

NOT TO SCALE



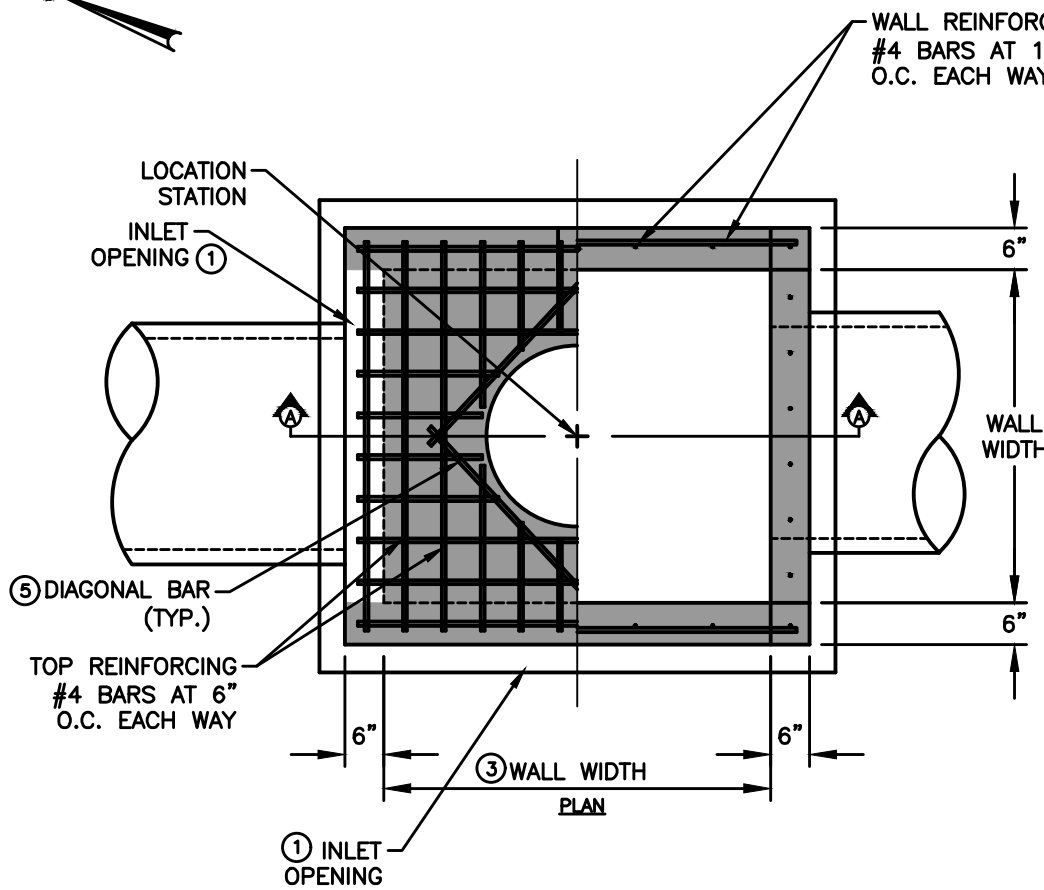
CITY OF WAUKEE UTILITY SERVICE LOCATIONS

NOT TO SCALE



4' X 4' SW-513 INTAKE (ST-2)

NOT TO SCALE

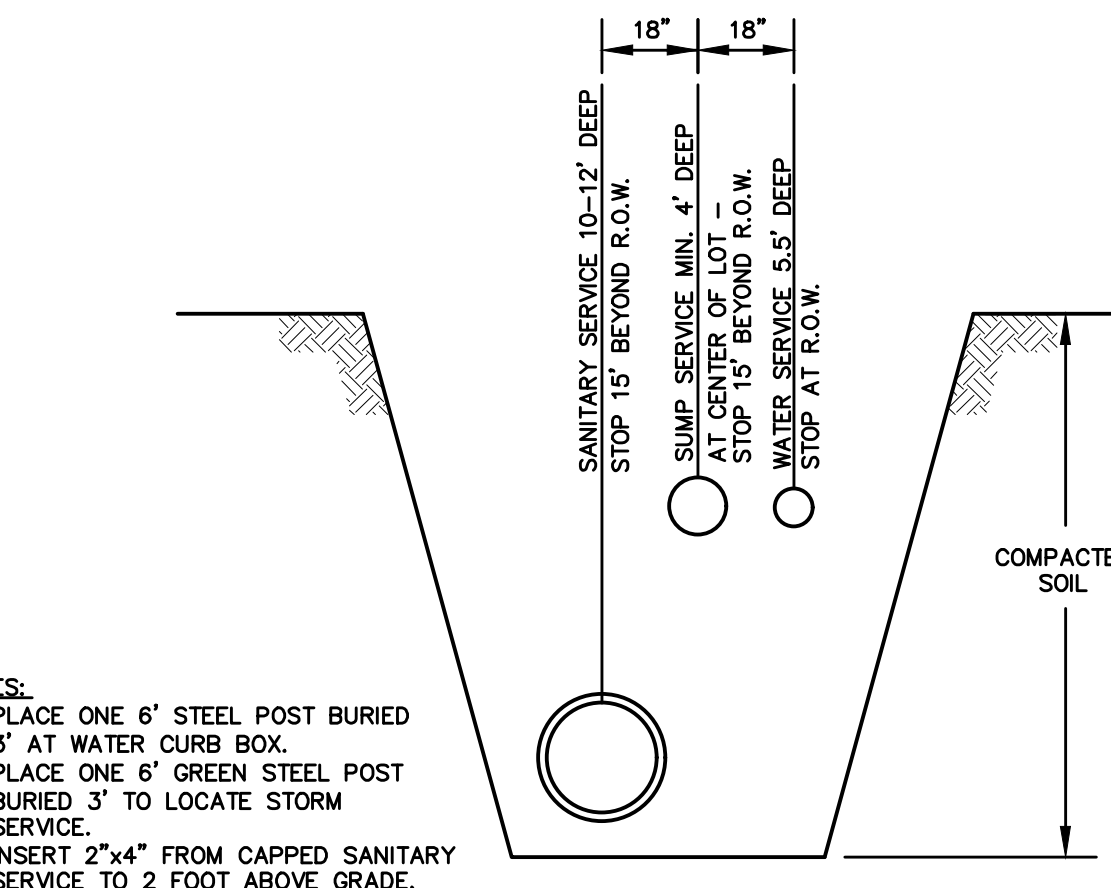


DETECTABLE WARNING DETAIL

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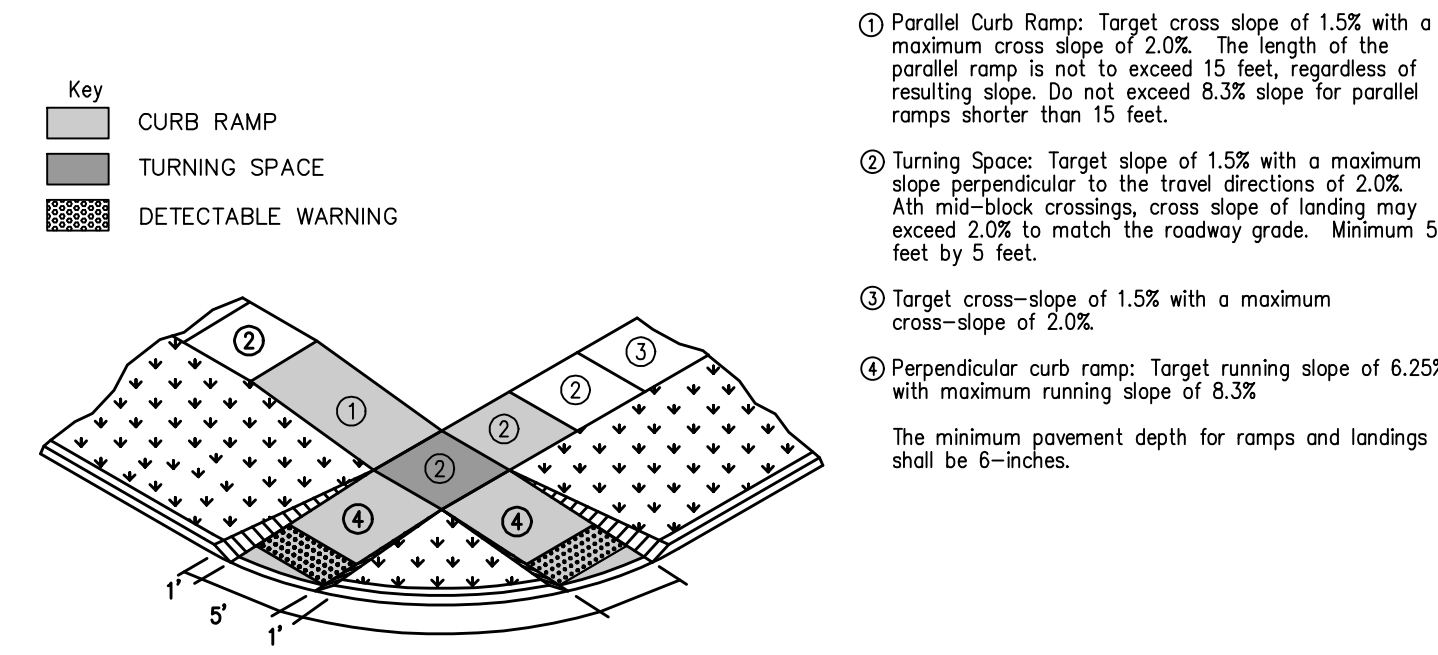
INTEGRAL 6" STANDARD SPOT ELEVATION REFERENCE DETAIL

NOT TO SCALE



SERVICE LOCATION DETAIL

NOT TO SCALE

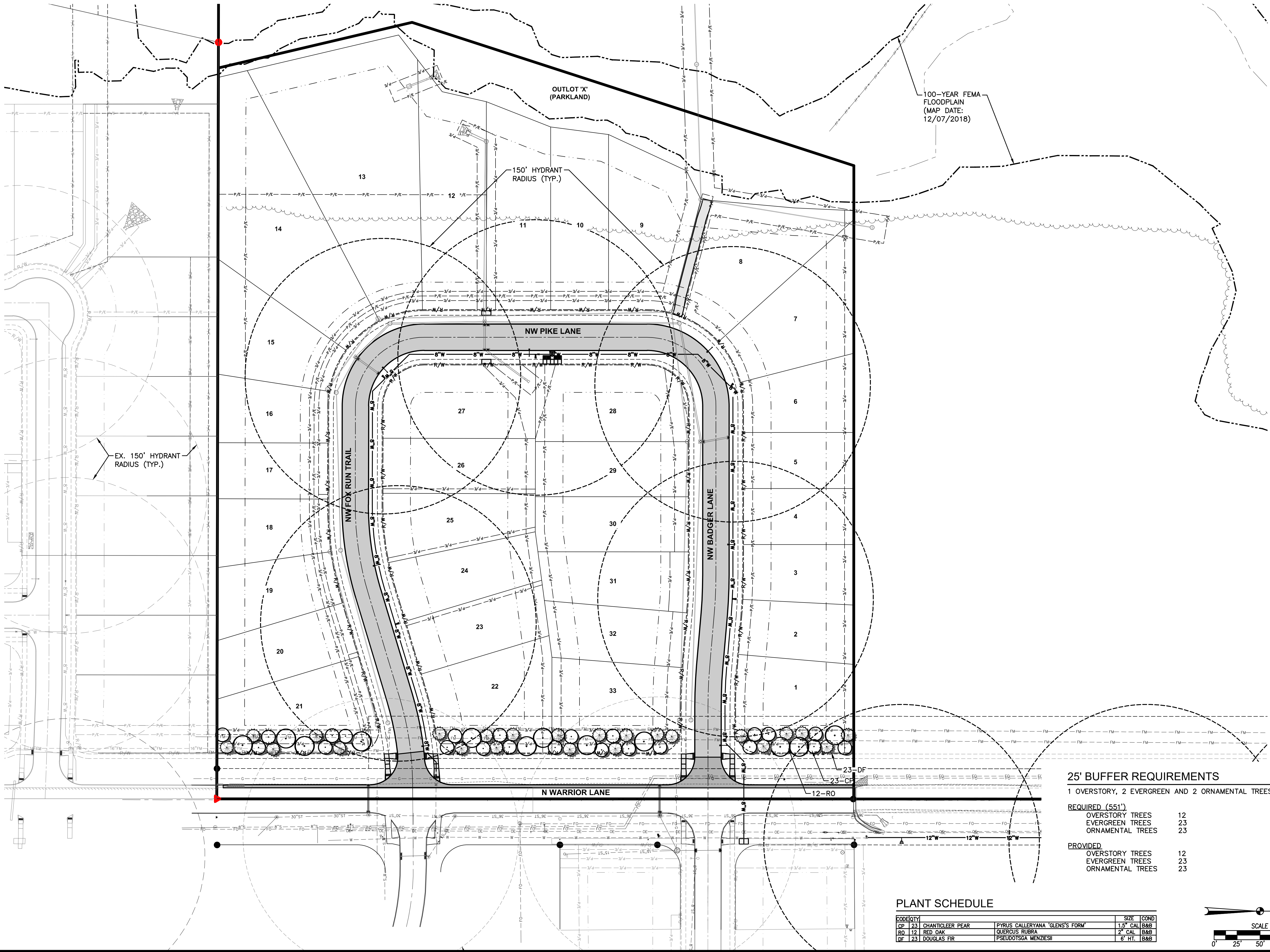


CURB RAMP FOR CLASS B OR C SIDEWALKS

NOT TO SCALE

FILE: H:\2020\2020485\DWG\2020485-COV-DET-TAB-ASBUIL.DWG
DATE: 8/11/2021 8:34 AM
DRAWN BY: J. EVANS
CHECKED BY: J. EVANS

COMMENT:
NONE



25' BUFFER REQUIREMENTS

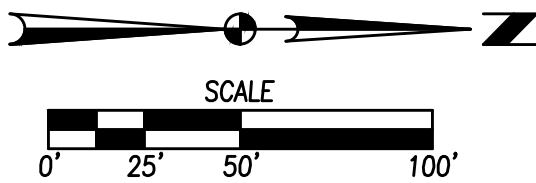
1 OVERSTORY, 2 EVERGREEN AND 2 ORNAMENTAL TREES PER 50 LF

REQUIRED (551')	
OVERSTORY TREES	12
EVERGREEN TREES	23
ORNAMENTAL TREES	23

PROVIDED	
OVERSTORY TREES	12
EVERGREEN TREES	23
ORNAMENTAL TREES	23

PLANT SCHEDULE

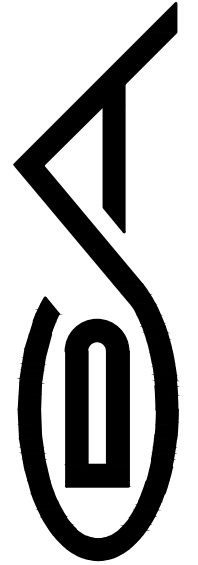
CODE	QUANTITY	PLANT	SIZE	COND
CP	23	CHANTICLEER PEAR	1.5" CAL	B&B
RO	12	RED OAK	2" CAL	B&B
DF	23	DOUGLAS FIR	6' HT.	B&B



PRAIRIE ROSE PLAT 1

HYDRANT COVERAGE & LANDSCAPE PLAN

WAUKEE, IOWA



CIVIL DESIGN ADVANTAGE

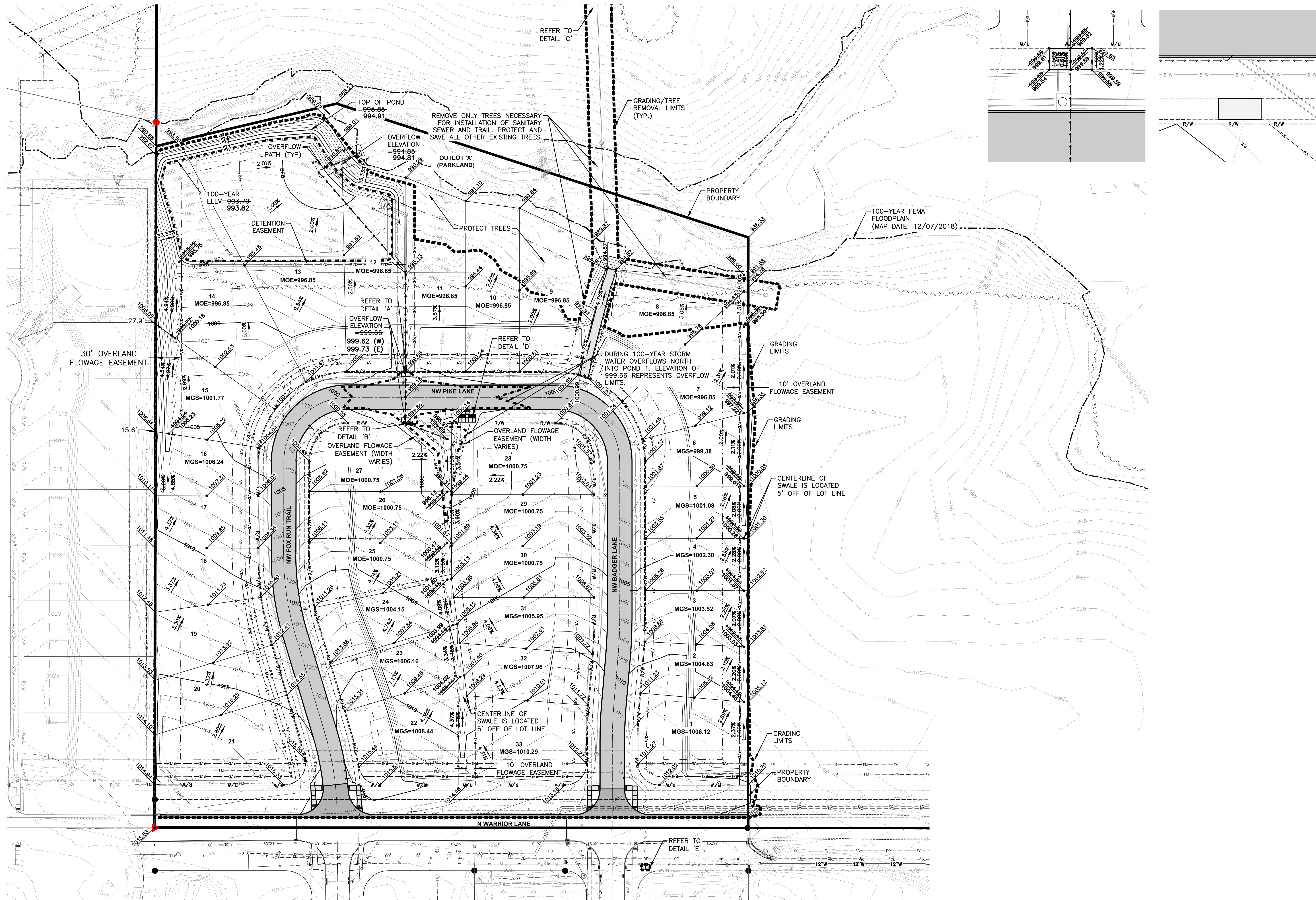
ENGINEER: EKO

EI: CWO/JWM

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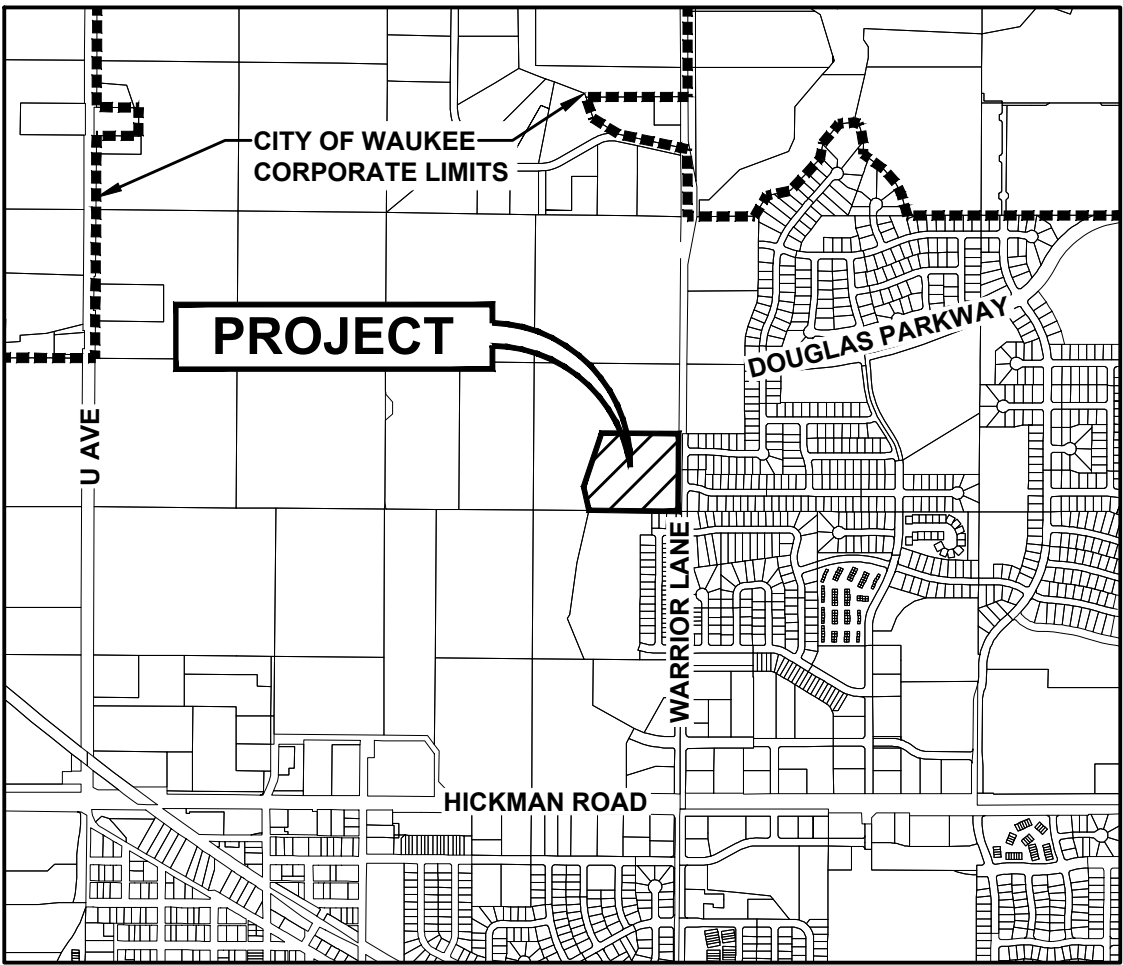
REVISIONS

DATE	REVISIONS
08/11/2021	ASBUILT SUBMITTAL
01/29/2021	FINAL SUBMITTAL
01/19/2021	THIRD SUBMITTAL
12/15/2020	SECOND SUBMITTAL
11/10/2020	FIRST SUBMITTAL



VICINITY MAP

NOT TO SCALE



WAUKEE, IOWA

DISCHARGE POINT SUMMARY

DISCHARGE POINT #1 DIRECTLY INTO AN UNKNOWN TRIBUTARY OF LITTLE WALNUT CREEK

TOTAL AREA DISTURBED TO DISCHARGE POINT
STORAGE VOLUME REQUIRED (# OF ACRES*3600 CU FT)VOLUME PROVIDED IN SILT FENCE (2,325 LF @ 5 CU FT/LF OF FENCE)
VOLUME PROVIDED IN DITCH CHECK (382 LF @ 15 CU FT/LF)
VOLUME PROVIDED IN TSB
TOTAL VOLUME PROVIDED11.35 ACRES
40,860 CU FT11,625 CU FT
5,730 CU FT
32,296 CU FT
49,651 CU FT

STABILIZATION QUANTITIES

ITEM NO.	ITEM	UNIT	TOTAL
1	SILT FENCE	LF	2,325
2	DITCH CHECKS	LF	382
3	TURF REINFORCEMENT MATTING	SF	114
4	SEEDING, FERTILIZING, AND MULCHING	AC	10.12
5	INLET PROTECTION DEVICES	EA	8
6	CONCRETE WASHOUT PIT	EA	1
7	6" HDPE TEMPORARY STANDPIPE	EA	1

NOTES:

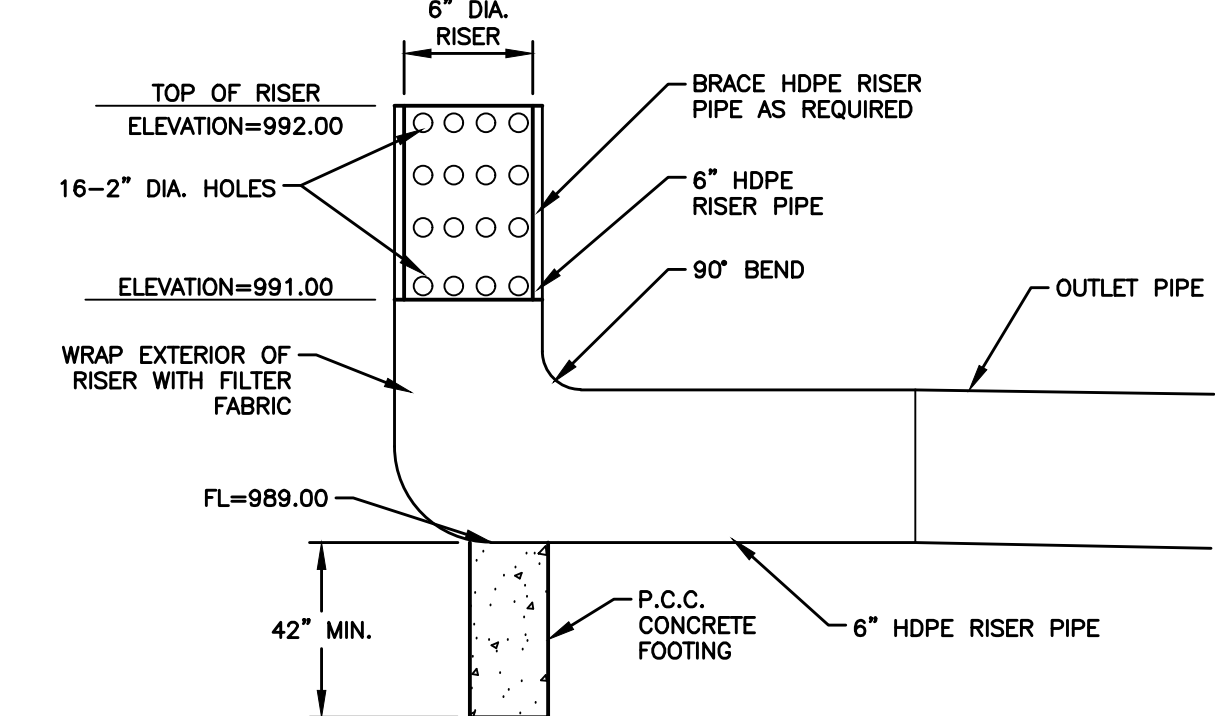
- IF DEWATERING IS NEEDED FOR ANY REASON, DISCHARGE OF WATER OFFSITE IS TO CONFORM WITH THE GENERAL PERMIT #2 REQUIREMENT.
- DISTURBED AREAS SHALL BE TEMPORARILY SEEDED OR MULCHED IMMEDIATELY WHENEVER CLEARING, GRADING, EXCAVATING, OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.
- STORM SEWERS AND DRAINAGE WAYS SHALL BE PROTECTED FROM CONCRETE SLURRY PRODUCED BY SAWCUTTING AND CONCRETE GRINDING.
- SHOULD A TEMPORARY SEED MIX BE REQUIRED TO CONFORM WITH THE GENERAL PERMIT #2 REQUIREMENTS IT SHALL BE A SUDAS TYPE 4 TEMPORARY SEED MIX.

SWPPP LEGEND

DRAINAGE ARROW	X.XX %	UNDISTURBED AREA
GRADING LIMITS		RIP-RAP
FILTER SOCK		GRAVEL ENTRANCE
SILT FENCE		STAGING AREA
INLET PROTECTION		TEMPORARY SEDIMENT BASIN
PORTABLE RESTROOM	R	CONCRETE WASHOUT PIT
TEMPORARY STANDPIPE		

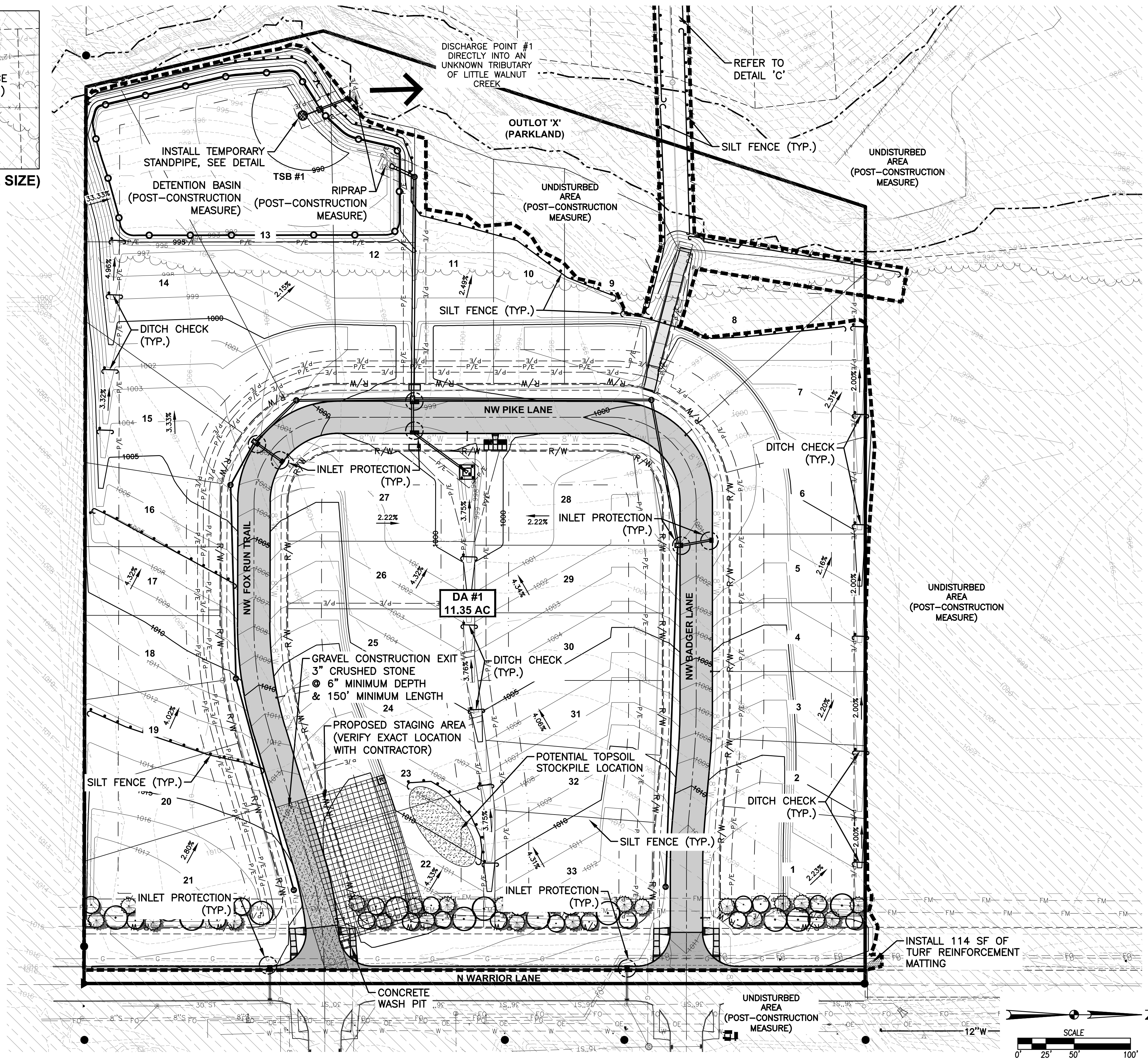
TEMPORARY STAND PIPE DETAIL

NOT TO SCALE



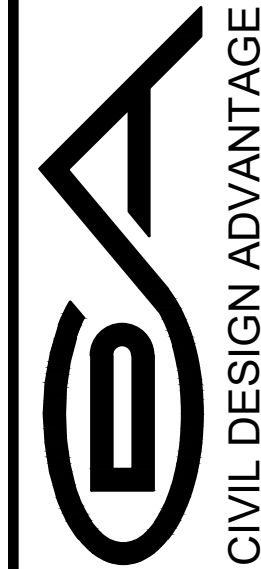
PRAIRIE ROSE PLAT 1

EROSION AND SEDIMENT CONTROL PLAN



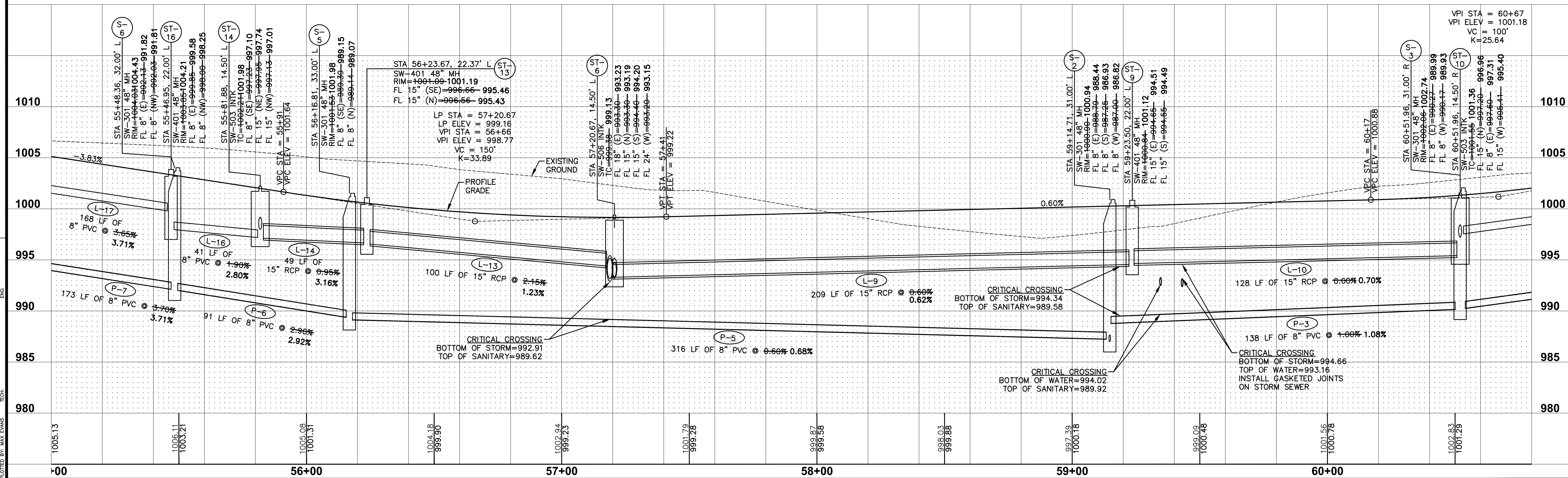
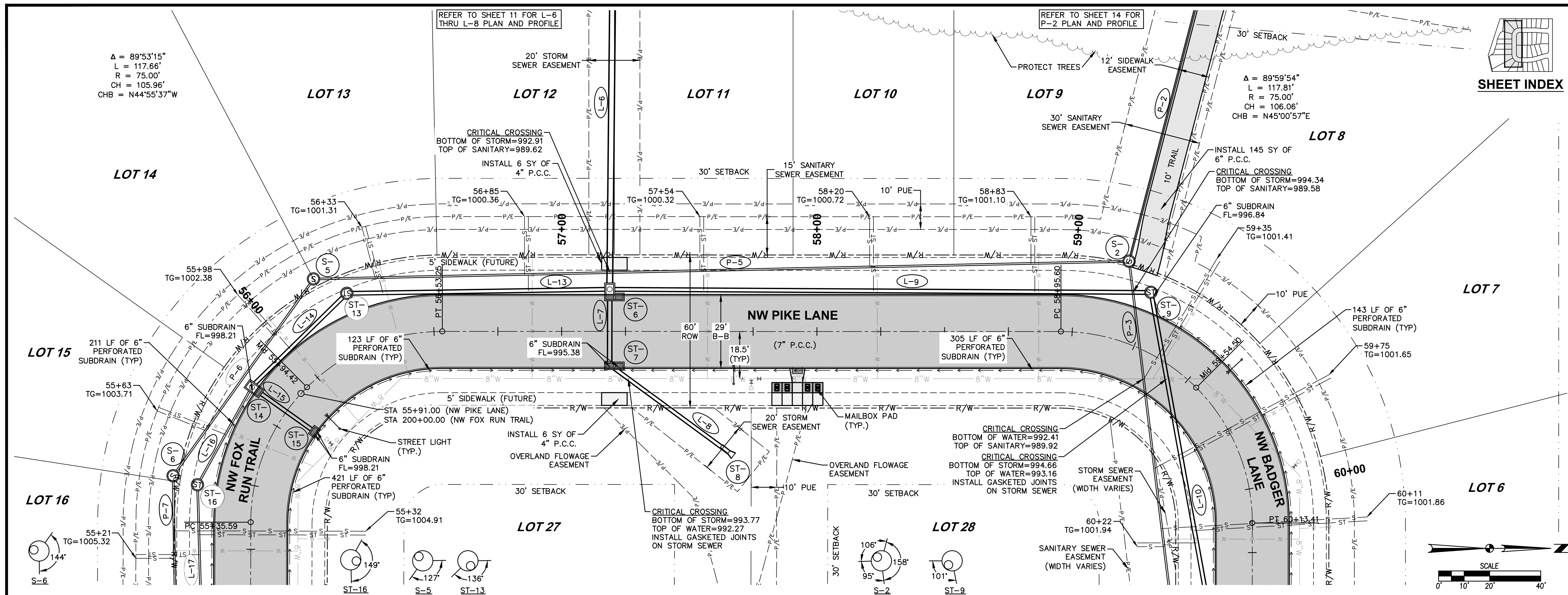
DATE	REVISIONS
08/11/2021	ASBUILT SUBMITTAL
01/29/2021	FINAL SUBMITTAL
01/19/2021	THIRD SUBMITTAL
12/15/2020	SECOND SUBMITTAL
11/10/2020	FIRST SUBMITTAL

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ENGINEER: EKO
EI: CWO/JWM



CIVIL DESIGN ADVANTAGE
WAUKEE, IOWA

PRAIRIE ROSE PLAT 1
EROSION AND SEDIMENT CONTROL PLAN





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PRAIRIE ROSE PLAT 1

STORM AND SANITARY PLAN AND PROFILE



WAUKEE, IOWA



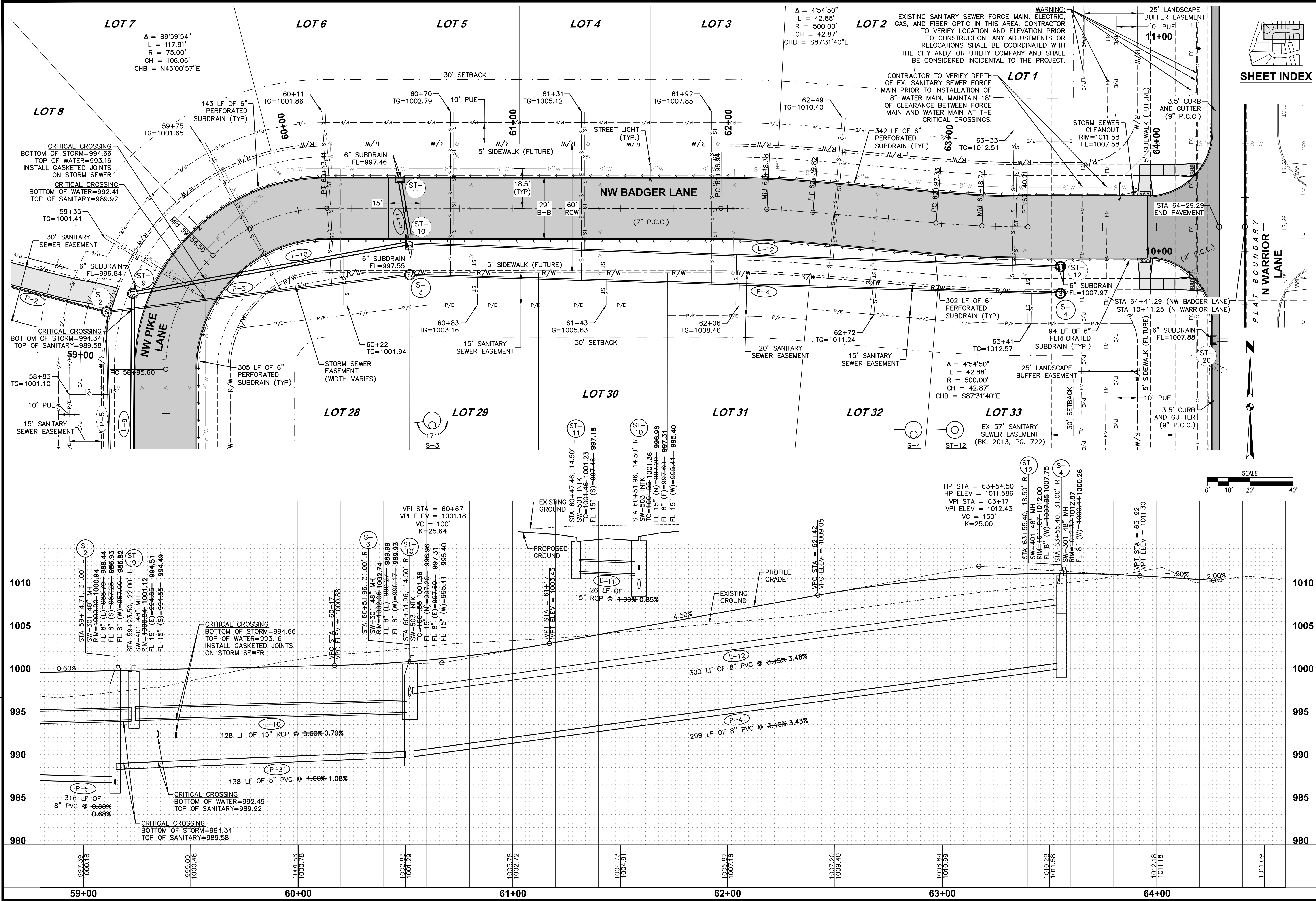
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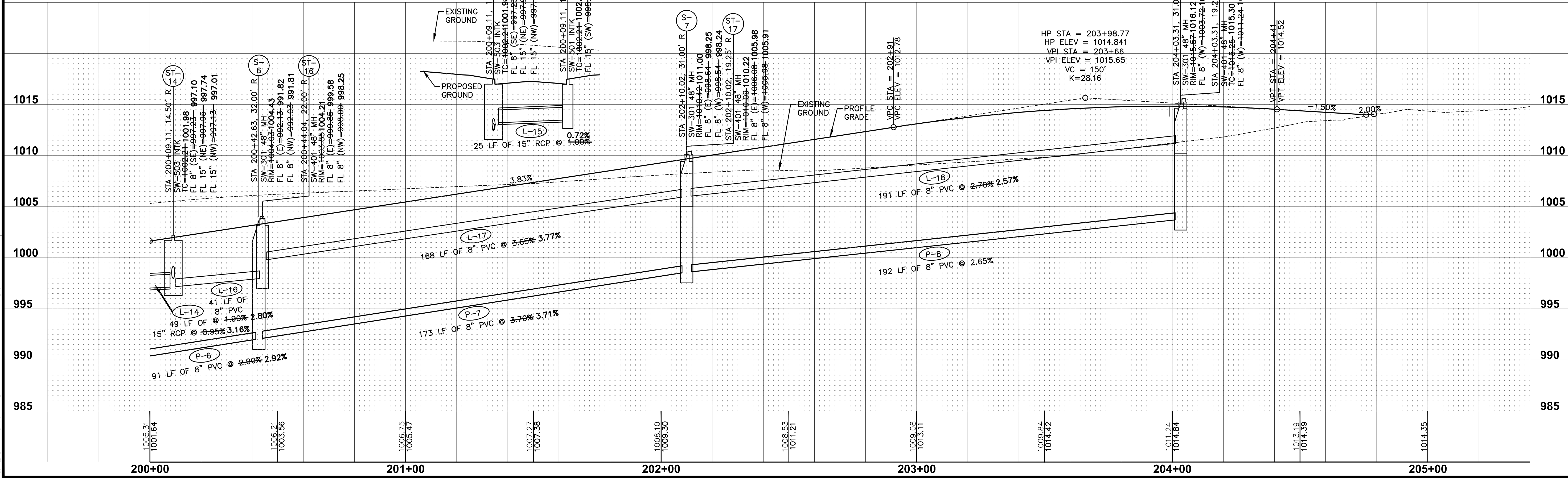
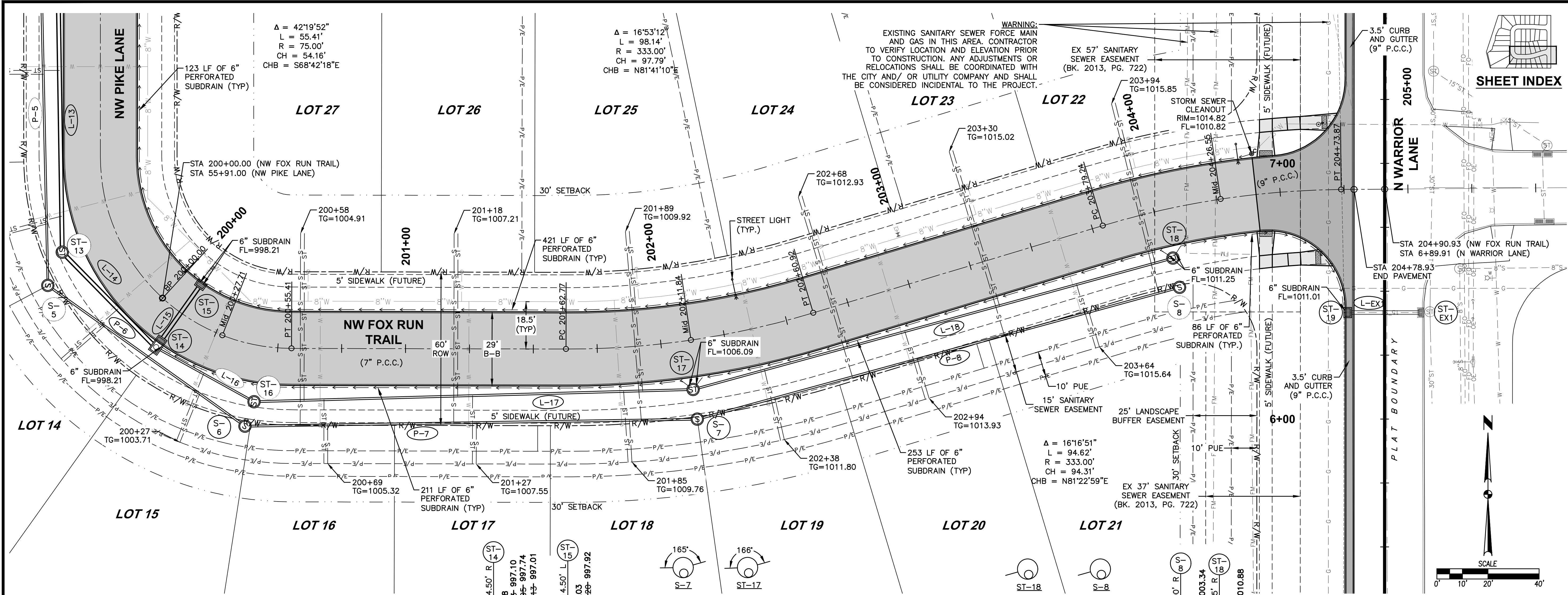
3405 S.E. CROSSROADS DRIVE, SUITE G
GRIMES, IOWA 50711
PHONE: (515) 369-4400 FAX: (515) 369-4410

ENGINEER: EKO

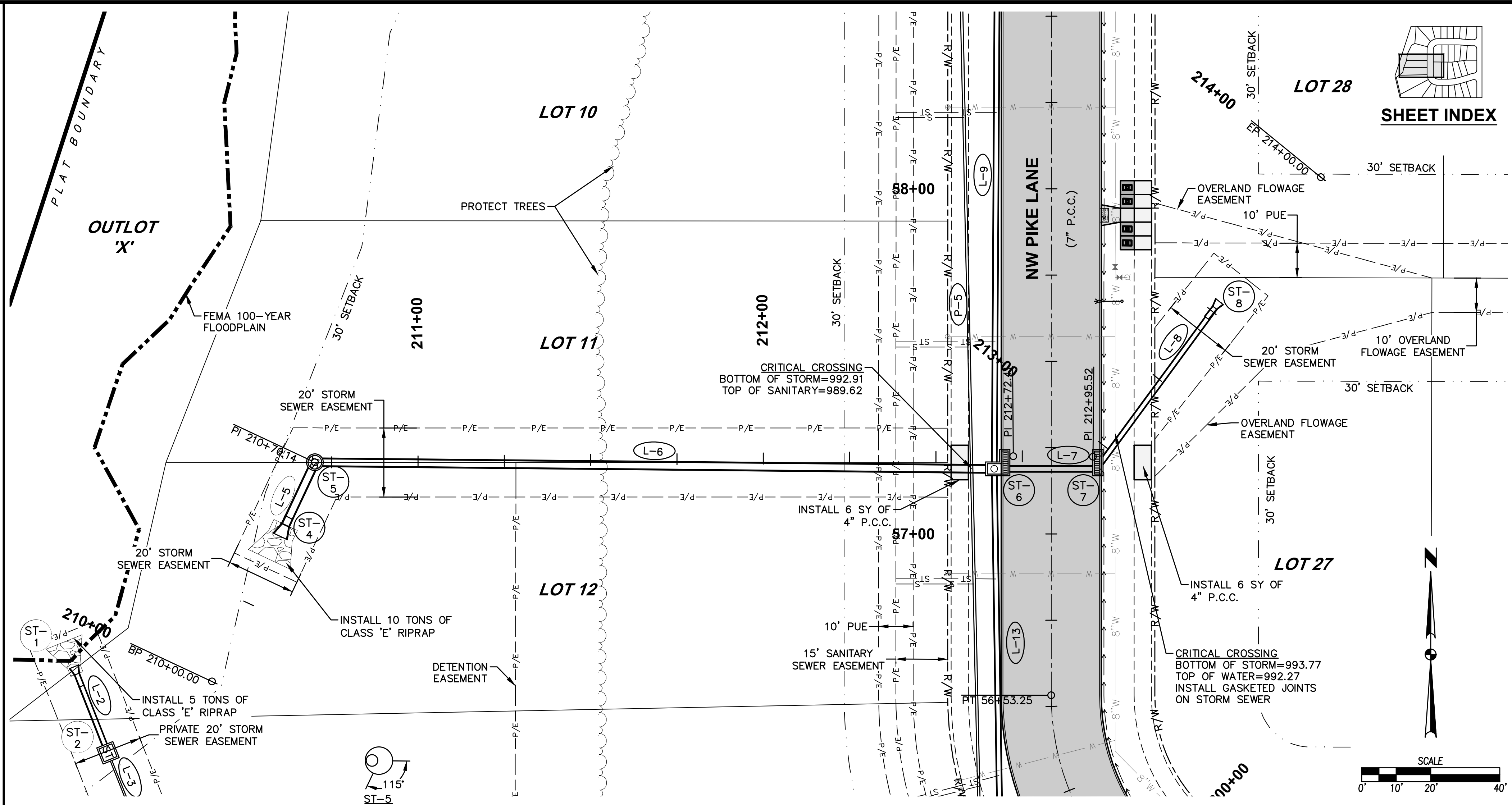
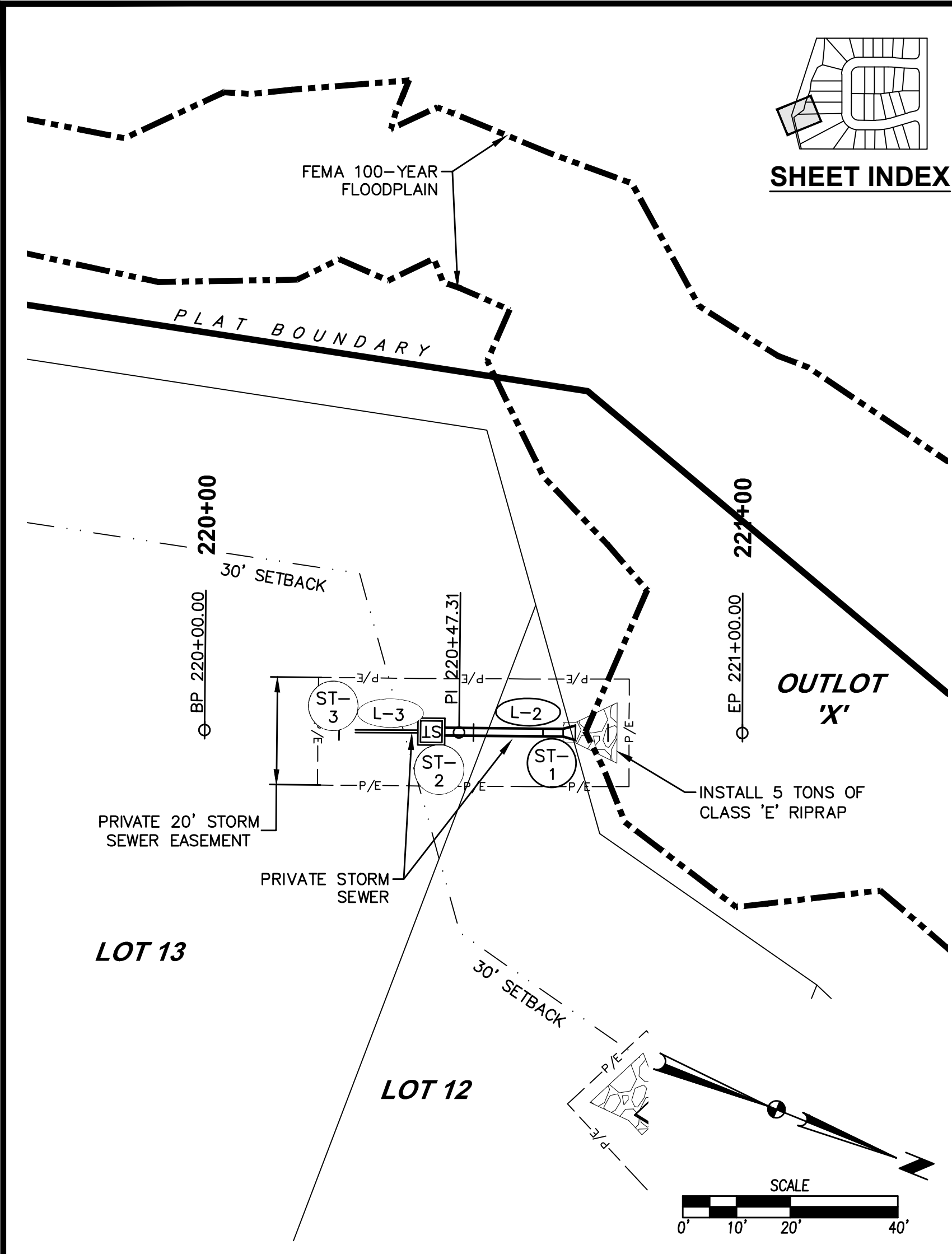
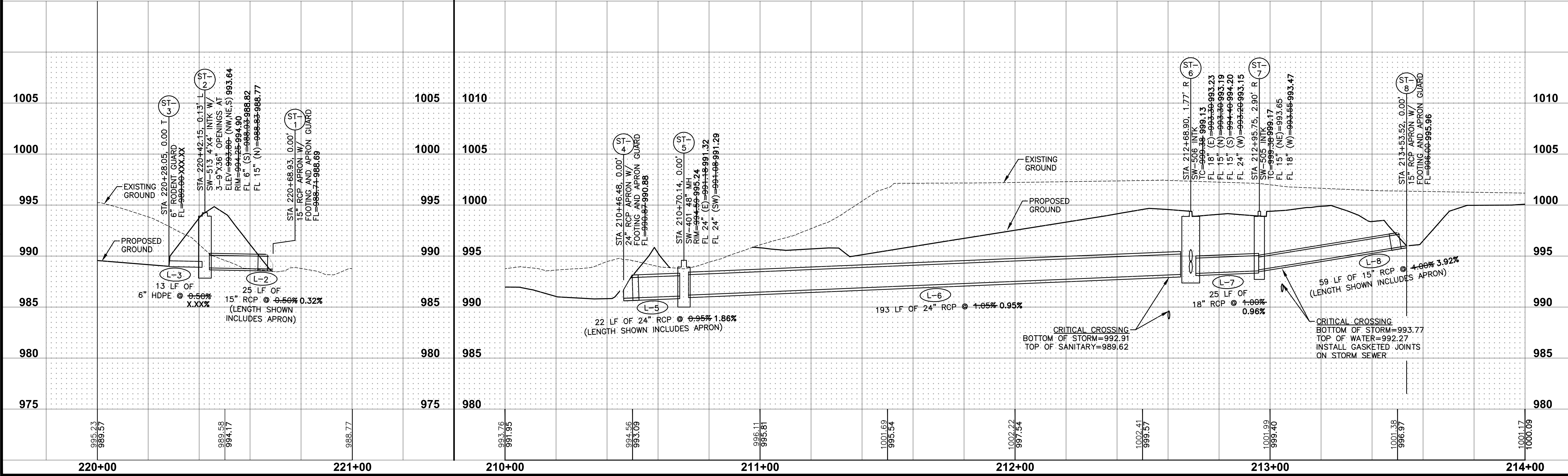
EI: CWO/JWM

REVISIONS	DATE
ASBUILT SUBMITTAL	08/11/2021
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SECOND SUBMITTAL	12/15/2020
FIRST SUBMITTAL	11/10/2020





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DATE PLOTTED: 8/7/2021 8:41 AM
PLOTTER: HP DesignJet 500
DRAWN BY: J. EVANS



DATE

08/11/2021

ASBUILT SUBMITTAL

FINAL SUBMITTAL

THIRD SUBMITTAL

SECOND SUBMITTAL

FIRST SUBMITTAL

REVISIONS

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ENGINEER: EKO
EI: CWO/JWM

PRAIRIE ROSE PLAT 1

STORM AND SANITARY PLAN AND PROFILE

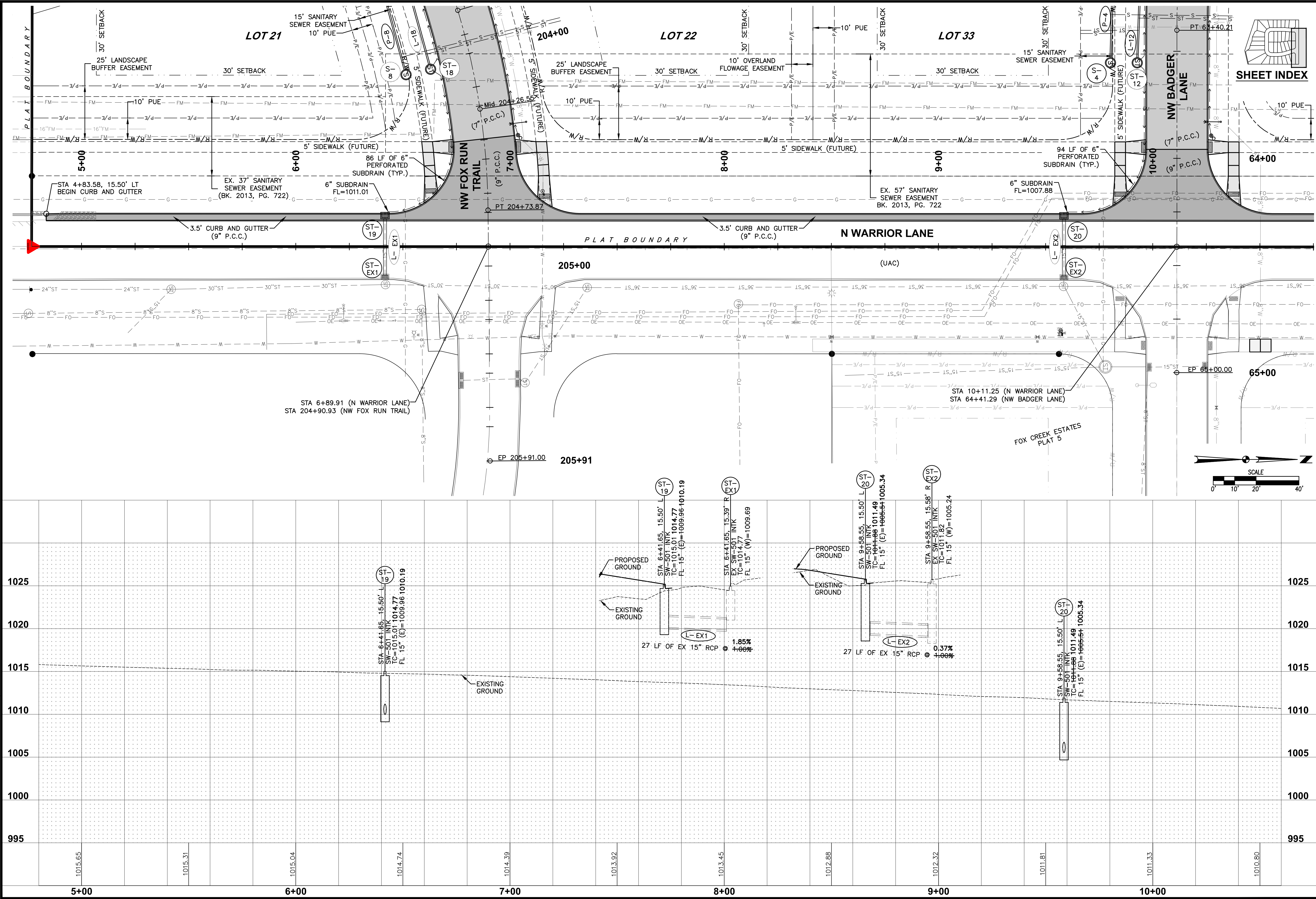
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CIVIL DESIGN ADVANTAGE

WAUKEE, IOWA

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PLOT: 8/7/2021 8:42 AM
PLOT: 8/7/2021 8:42 AM



DATE

08/11/2021

ASBUILT SUBMITTAL

01/29/2021

FINAL SUBMITTAL

01/29/2021

THIRD SUBMITTAL

01/29/2021

SECOND SUBMITTAL

12/15/2020

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11/10/2020

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EI: CWO/JWM

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PRAIRIE ROSE PLAT 1

STORM AND SANITARY PLAN AND PROFILE

CIVIL DESIGN ADVANTAGE

WAUKEE, IOWA

0

10'

20'

40'

SCALE

0

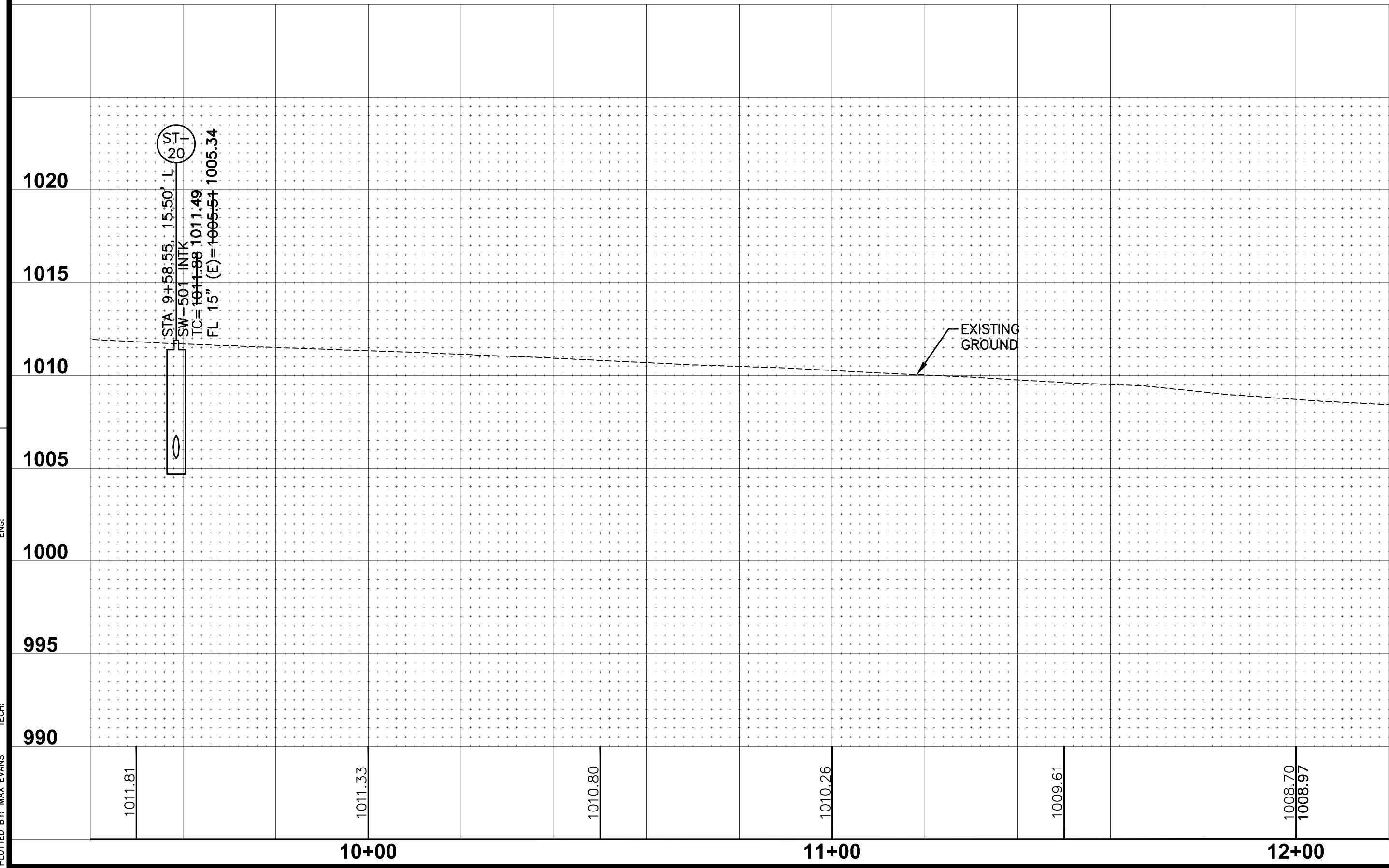
10'

20'

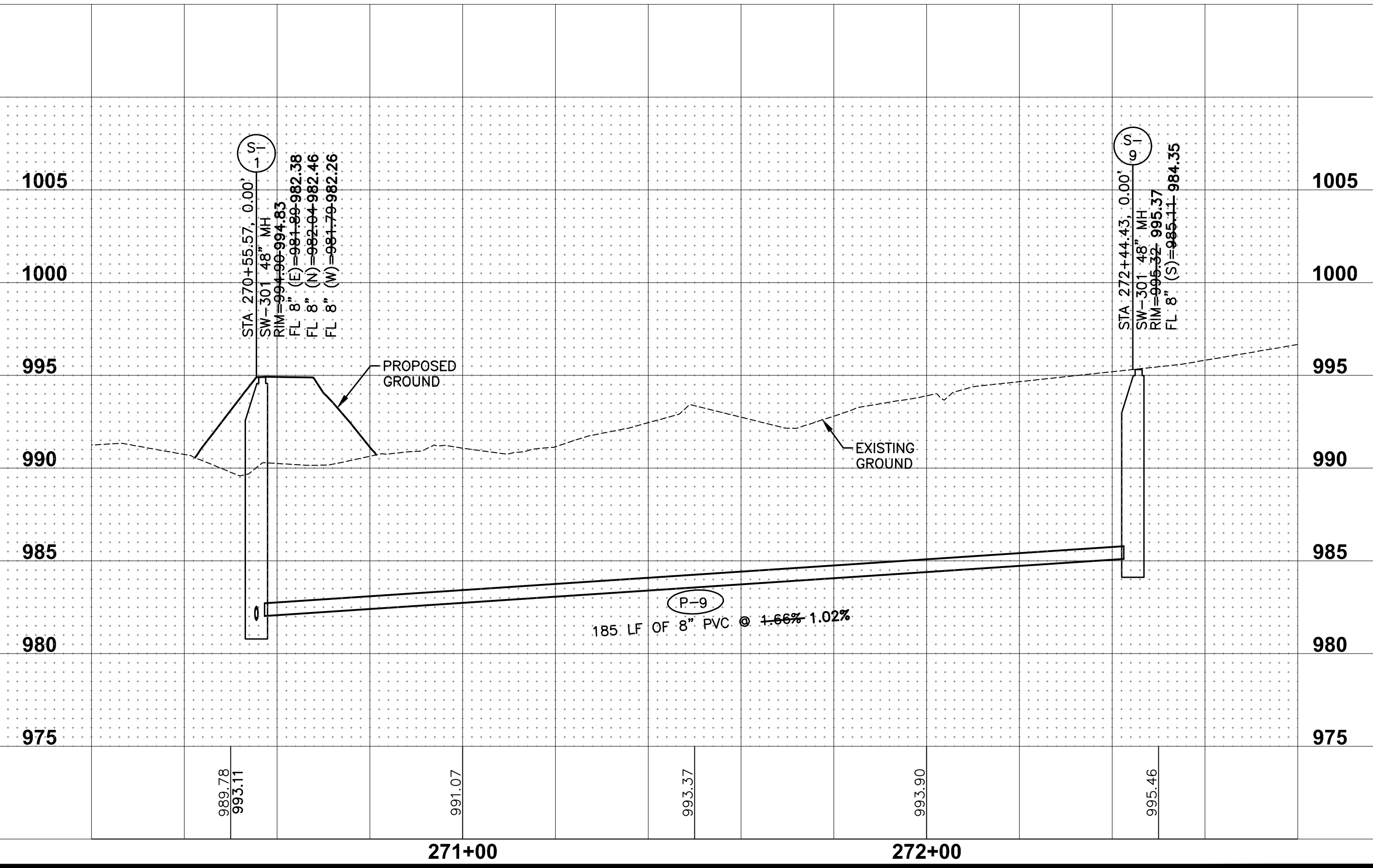
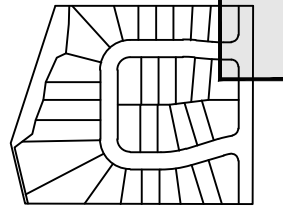
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SCALE

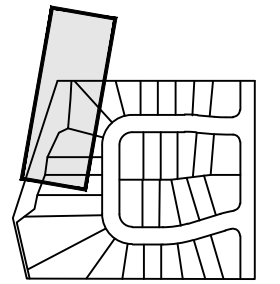
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PLOTTER: 36" x 48" EVANS



SHEET INDEX



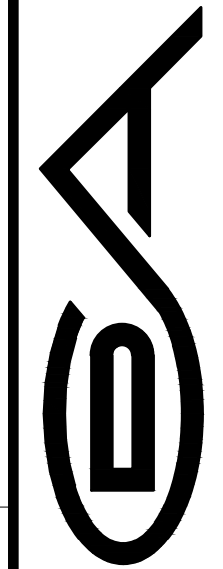
SHEET INDEX



PRAIRIE ROSE PLAT 1
STORM AND SANITARY PLAN AND PROFILE

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CIVIL DESIGN ADVANTAGE
WAUKEE, IOWA

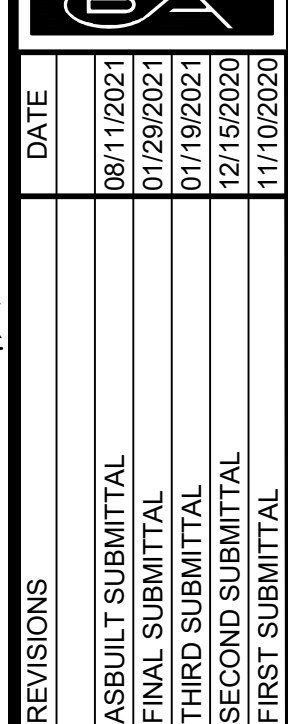


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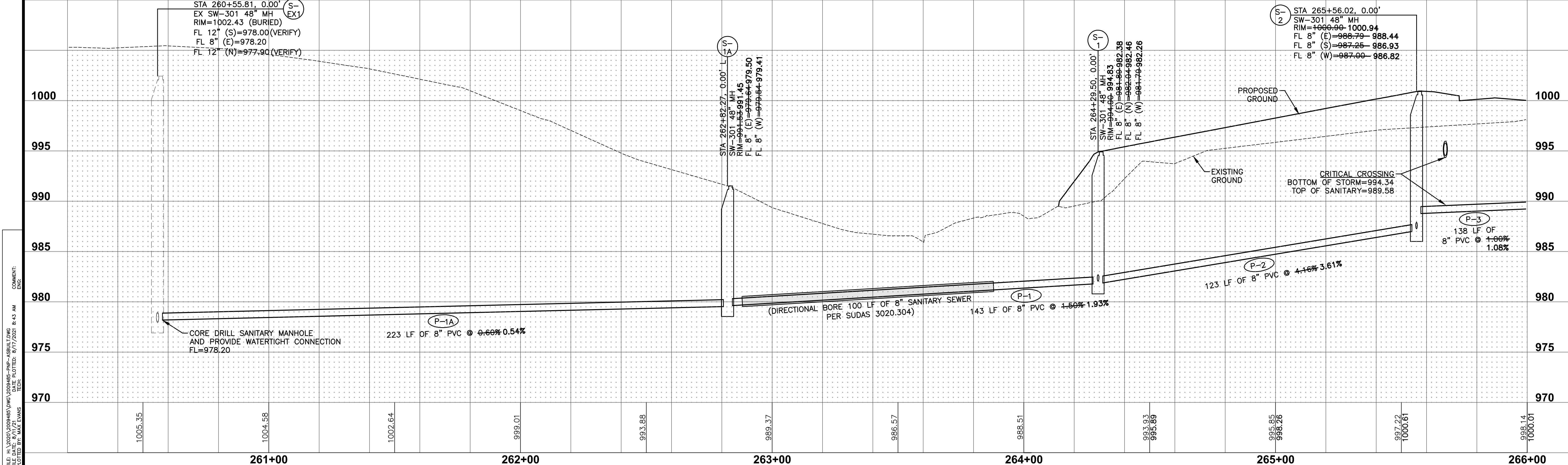


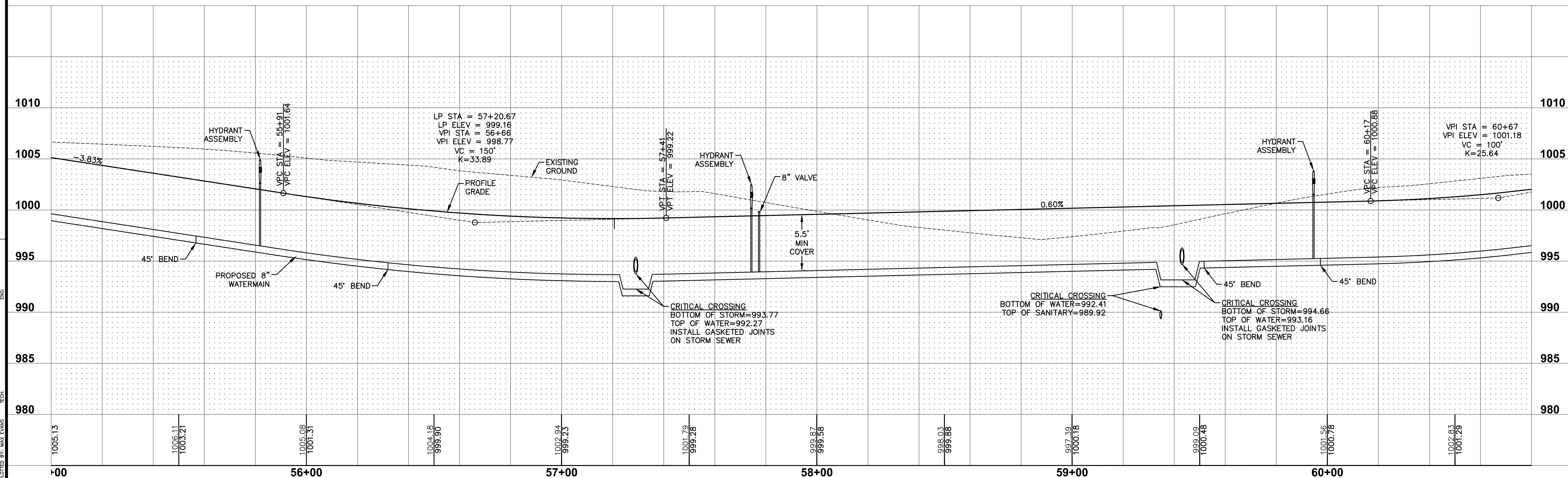
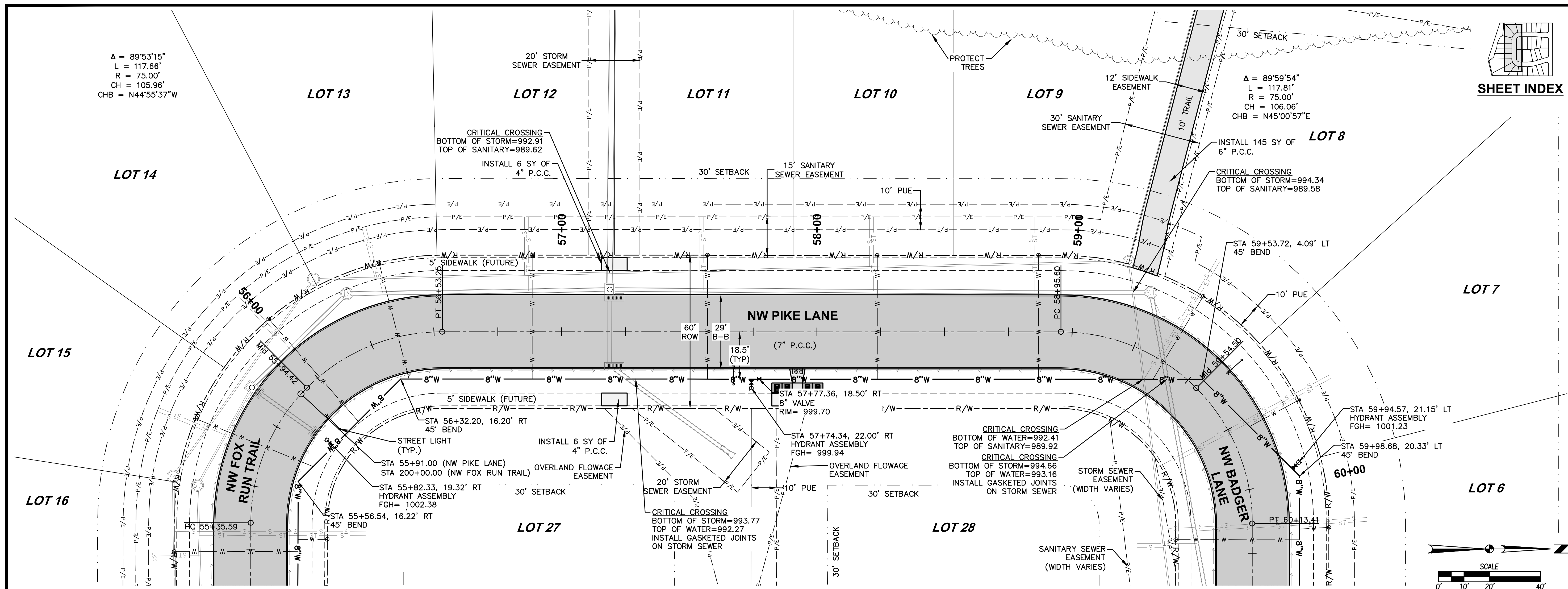
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CIVIL DESIGN ADVANTAGE

1
FILE
WAUKEE, IOWA

PRAIRIE ROSE PLAT 1
STORM AND SANITARY PLAN AND PROFILE

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WAUKEE, IOWA

PRAIRIE ROSE PLAT 1

WATERMAIN PLAN AND PROFILE

WATERMAIN PLAN AND PROFILE

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