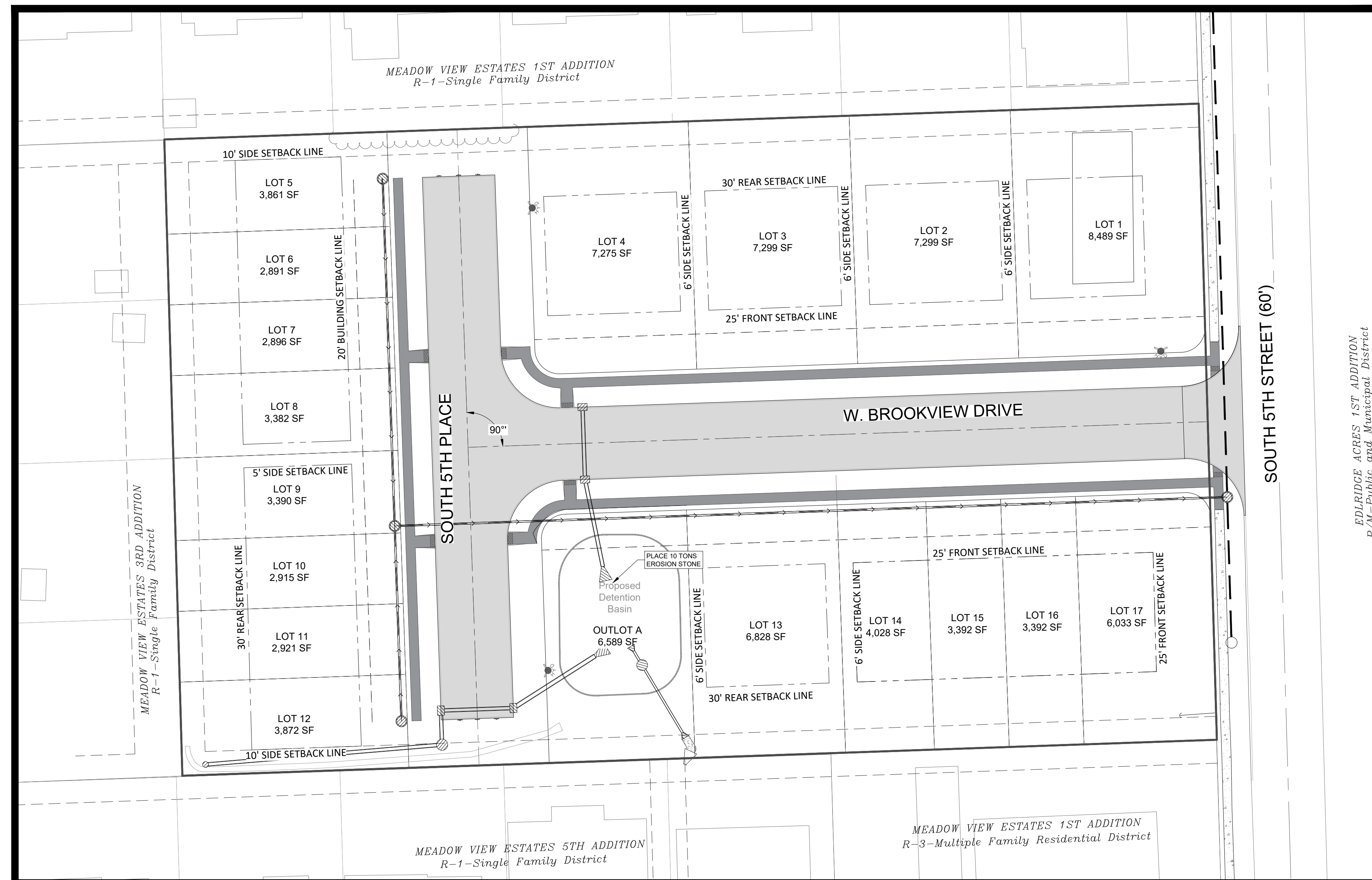


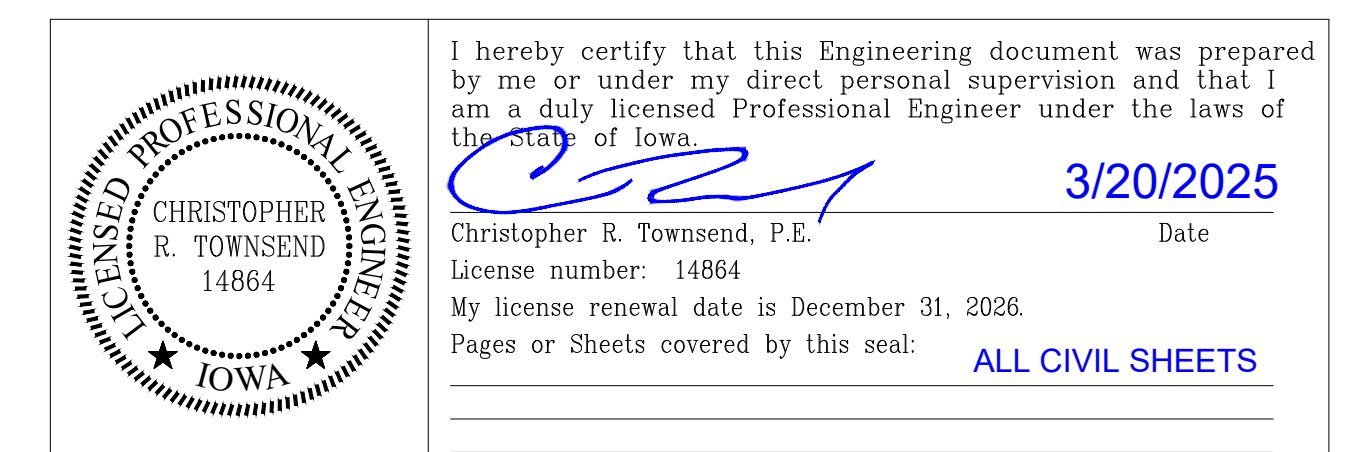
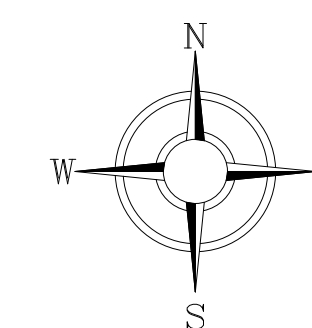
- C0 - COVER SHEET
- C1 - SITE PLAN
- C2 - DEMOLITION PLAN
- C3 - GRADING PLAN
- C4 - UTILITY PLAN
- C5 - C5.2 - WATER MAIN PLAN & PROFILE
- C6 - ALIGNMENT AND CONTROL
- C6.1 - C6.2 - ROADWAY AND SANITARY PLAN & PROFILE
- C7 - C7.1 - STORM PLAN & PROFILE
- C8 - C8.1 - EROSION CONTROL PLANS
- C9 - ROADWAY DETAILS

AN ADDITION TO THE CITY OF ELDRIDGE, IOWA
3/20/2025

MediaCom-Cable
3900 26th Avenue
Moline, IL 61265
(309) 743-4750

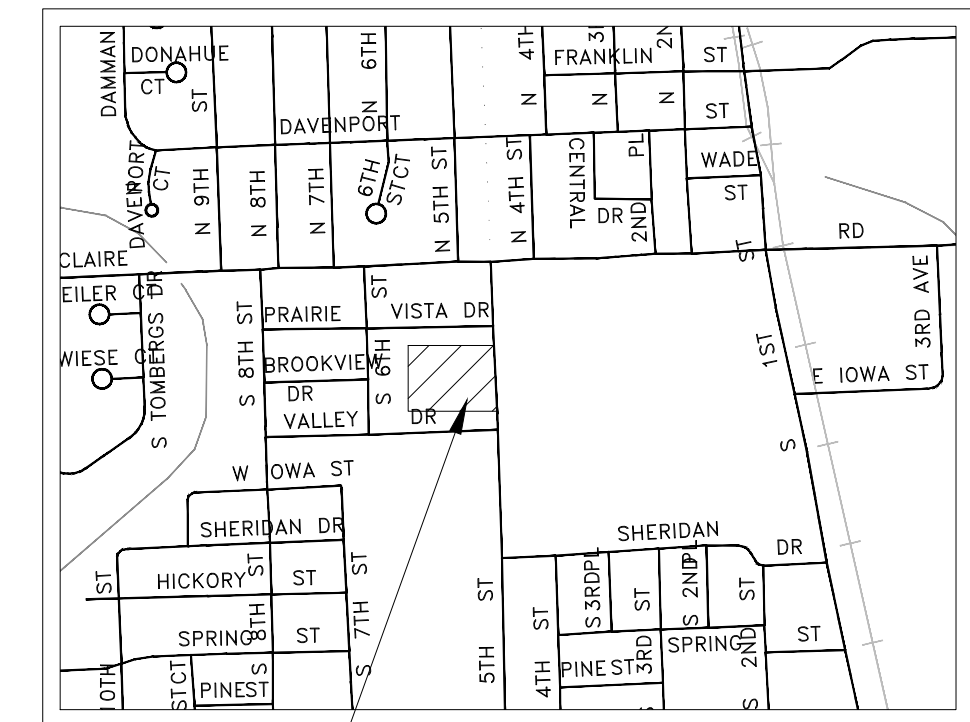


APPROXIMATE SITE LOCATION



NORTH SCOTT SCHOOL DISTRICT LANCERS RUN SUBDIVISION

SITE LOCATION MAP

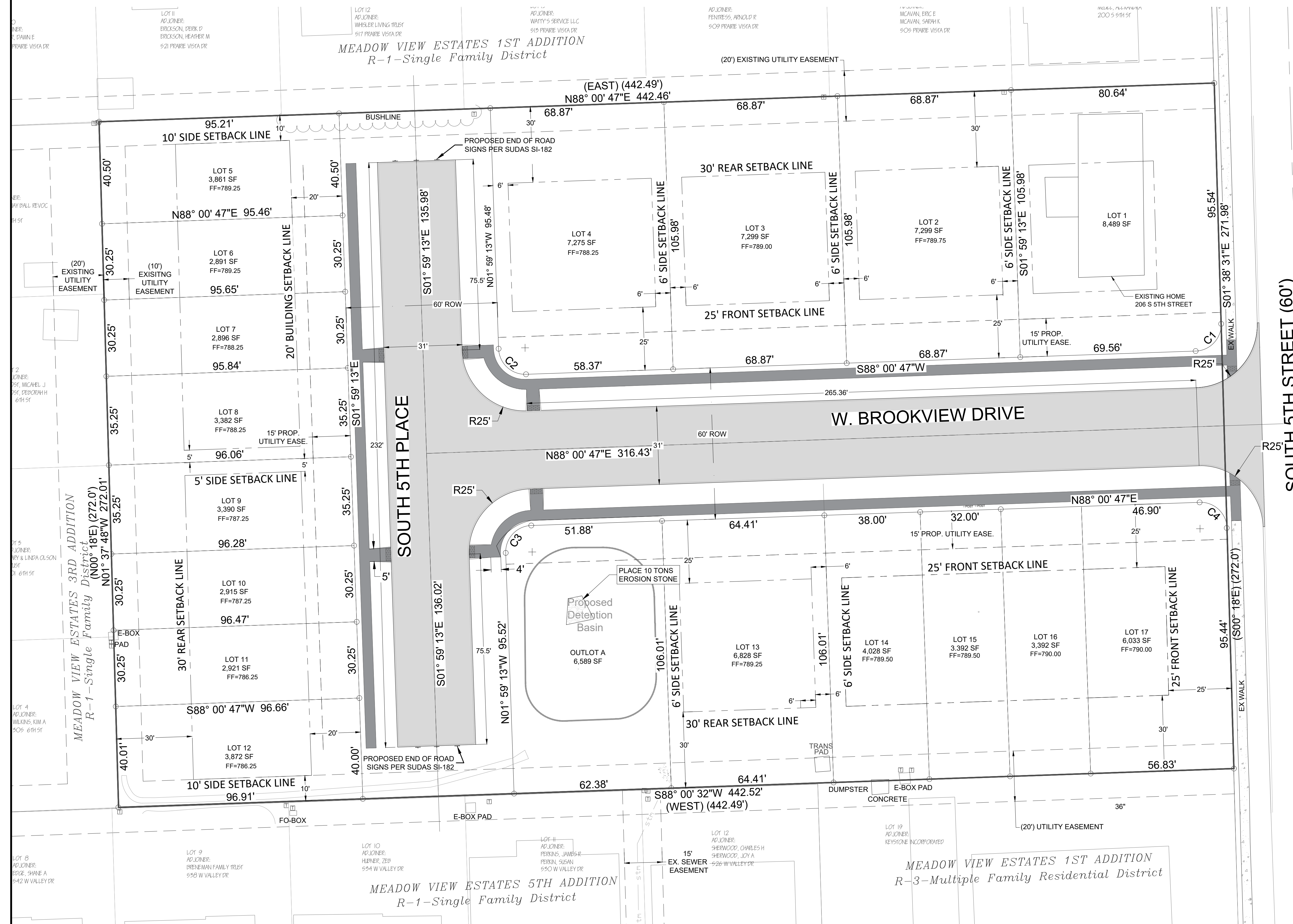


GENERAL NOTES

- EDLRIDGE ACRES 1ST ADDITION
-
- p/M-Public and Municipal District



**IOWA
ONE CALL**
800/292-8989
Call 2 Working Days
BEFORE YOU DIG



REVISIONS:		
NO.	DESCRIPTION	DATE
1.	PER CITY COMMENTS DATED 1/16/2025	1/28/2025
2.	APPROVED BY CITY	1/31/2025
3.	APPROVED FOR BIDDING	7/08/2025

DEVELOPER
NORTH SCOTT SCHOOL DISTRICT
200 S 1ST STREET
ELDRIDGE, IA 52748

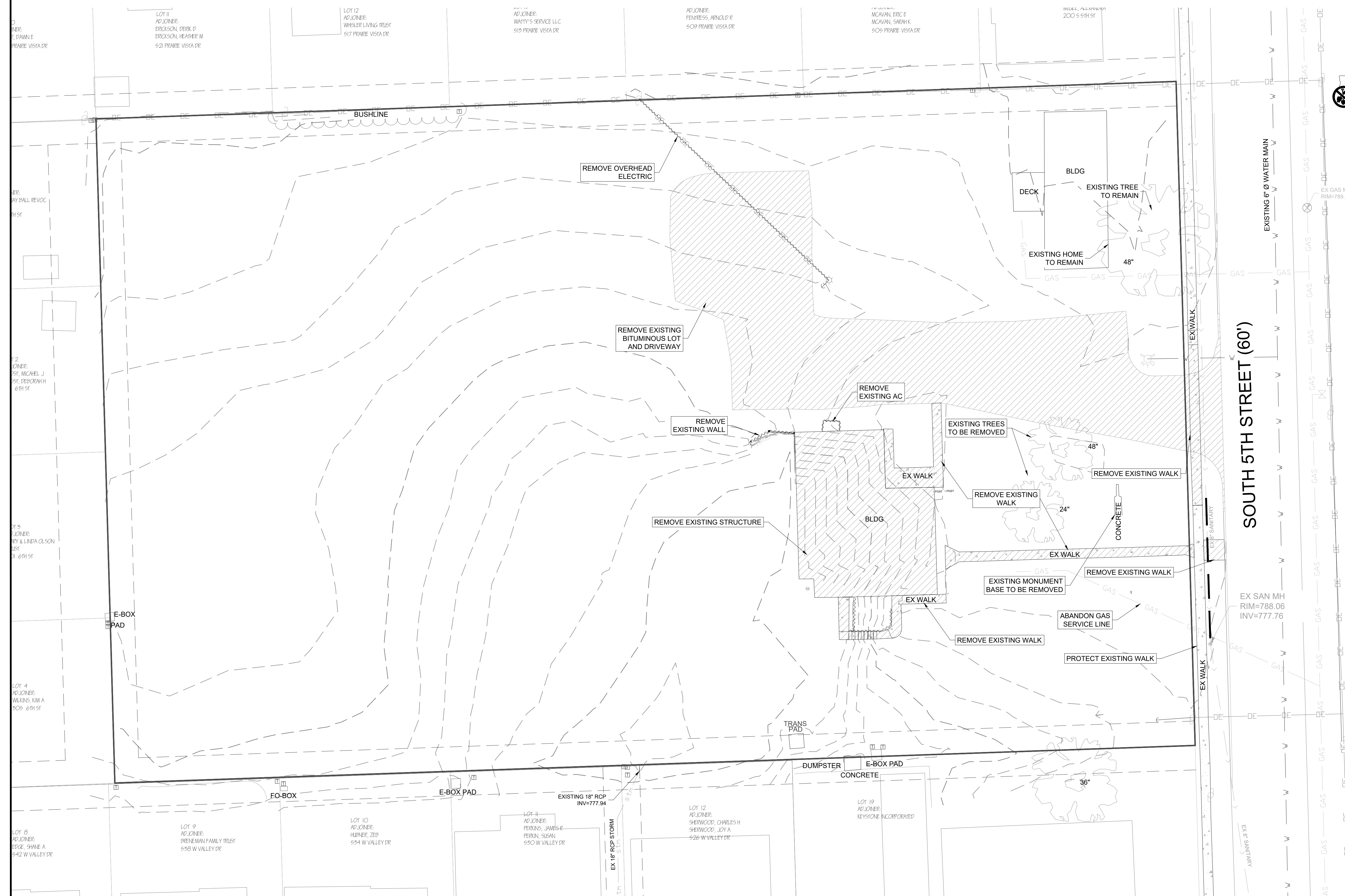
SHEET NO.

C1

NORTH SCOTT SCHOOL DISTRICT LANCERS RUN SUBDIVISION



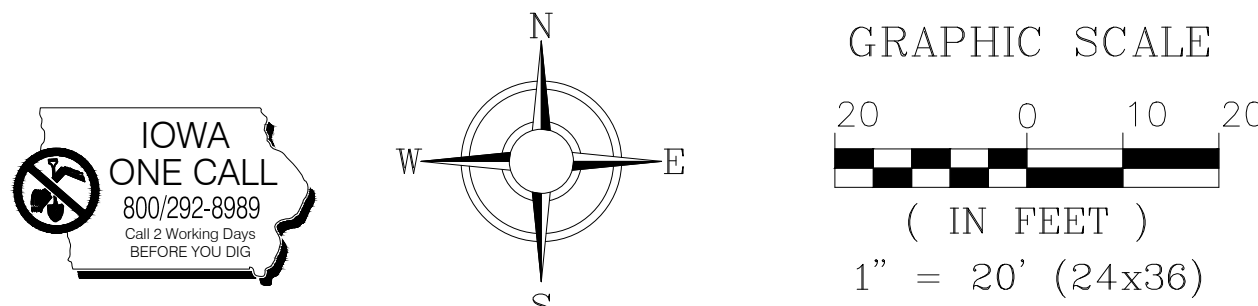




- **WASTE SITES AND SALVAGE**
- Salvage materials such as castings, pipe, and similar materials shall be disposed of by the Contractor as designated in the Contract Documents.
- Surplus excavated material, such as earth, rock, broken concrete, and similar materials shall be disposed of in the locations noted in the Contract Documents.
- Disposed of in a legal manner, outside of the limits of the job site at a location chosen by the Contractor, at the Contractor's expense.
- **UTILITIES**
- The Contractor shall be responsible for ascertaining the exact locations of all utilities and house services from the utility companies before starting construction and coordinating all construction activities with the utility companies. All costs for locating, protecting, and replacing or repairing all utilities damaged by construction shall be borne by the Contractor.
- All utilities shall remain in service during construction, unless authorization has been obtained from the utility company.
- In the event a utility facility is exposed by construction, adequate measures shall be taken to properly support each utility or service. Bedding and backfilling shall be properly placed and compacted so as not to cause damage or settlement of utility facilities or services. Limestone screenings are not allowed for use as backfill material.
- **CITY SIGNS**
- Any street name signs or traffic control signs that conflict with construction shall be carefully removed by the Contractor. The Contractor shall collect, store, and replace them after construction at no additional cost to the Owner.
- **EQUIPMENT RESTRICTIONS**
- Track type equipment is not permitted on streets or driveways that are not scheduled for removal, unless the tracks are equipped with rubber or neoprene grousers.
- **WORKING AREA**
- The Contractor shall store equipment and stockpile material within the boundaries of the project or at the approved location. The Contractor shall not use or occupy any lands on private property within the boundaries of the project not included in temporary construction easements unless express permission is given by the Owner. The Contractor shall return the storage area to pre-construction conditions upon completion of the project.
- **TRAFFIC CONTROL**
- The Contractor shall furnish barricades, signs, flashers, and warning devices for use at the end and throughout the project and in advance of construction to inform motorists and pedestrians of construction, as needed. Such devices shall be provided by the Contractor as necessary for the safety of the general public and workmen and located and erected in sufficient quantity in accordance with the Manual of Uniform Traffic Control Devices, latest edition.
- **CLEAN UP**
- All areas shall be left in a clean and workmanlike manner with all construction debris removed.

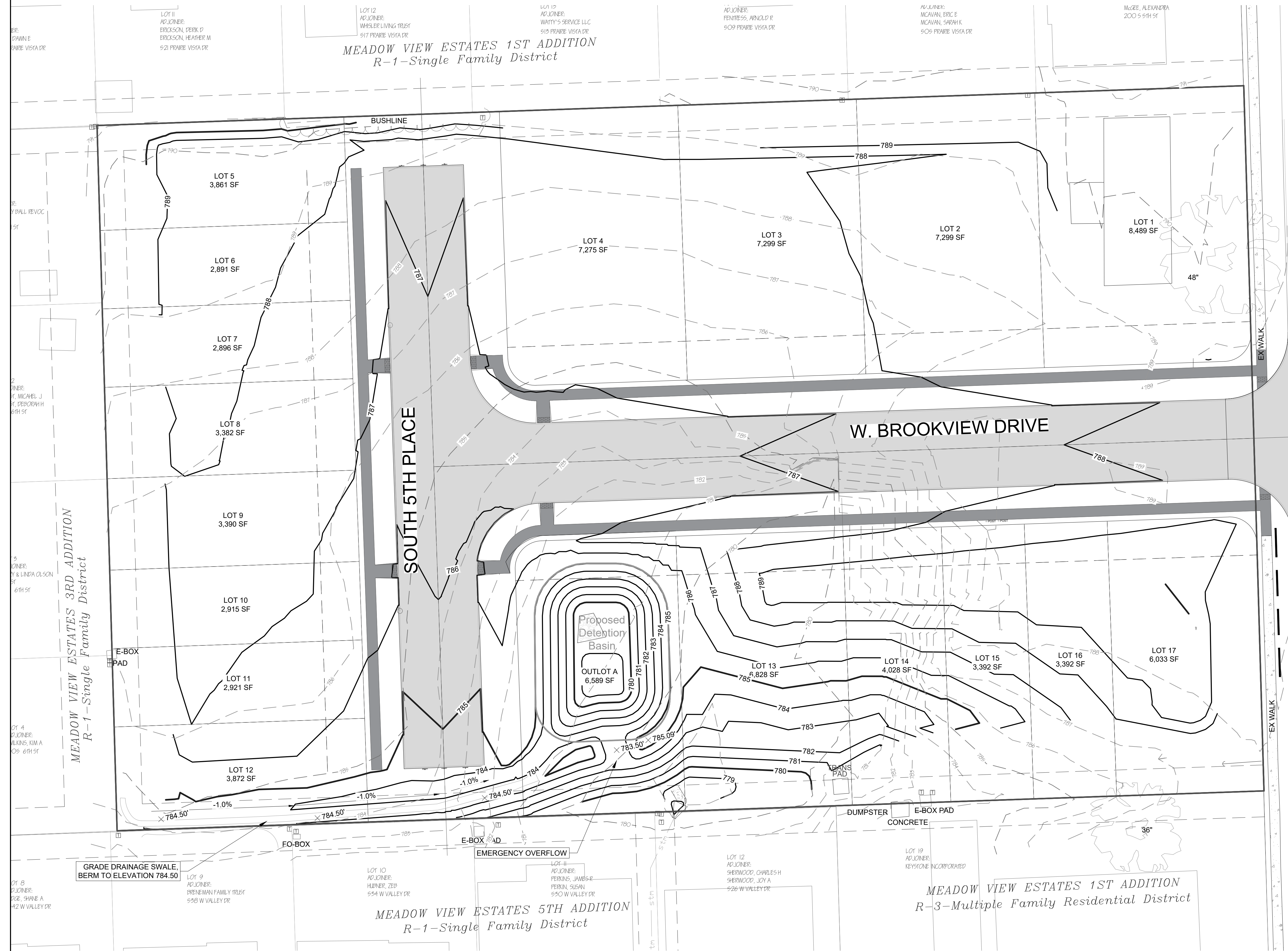
NORTH SCOTT SCHOOL DISTRICT
LANCERS RUN SUBDIVISION

TO THE CITY OF ELDRIDGE, IA

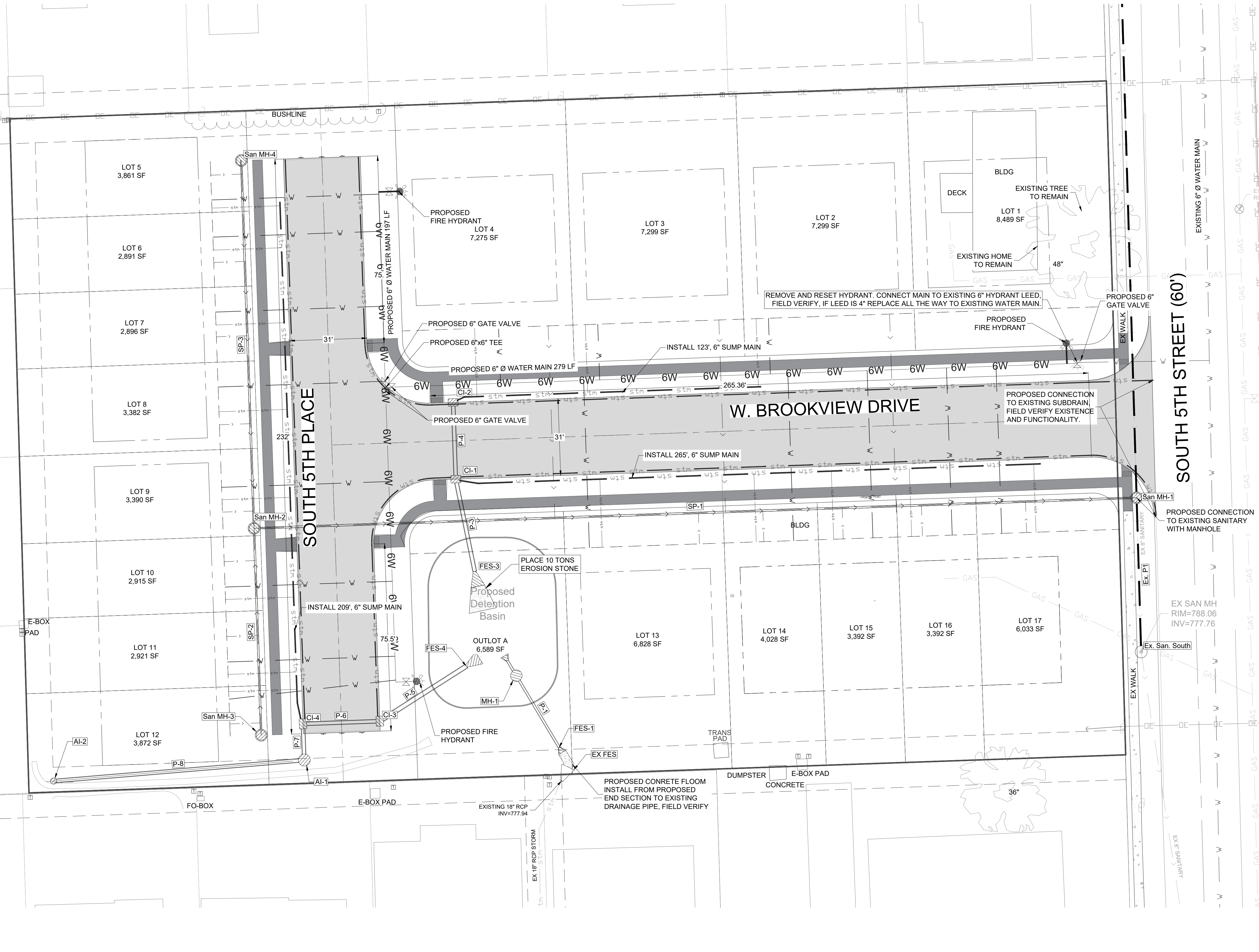


ESTIMATED QUANTITIES			
	Description	Units	Qty.
Erosion Control			
1	TRAFFIC CONTROL	L.S.	1
2	CLEARING AND GRUBBING	L.S.	1
3	DEMOLITION EXISTING BUILDING	L.S.	1
4	DEMOLITION EXISTING PAVING	L.S.	1
5	RELOCATE EXISTING UTILITIES	L.S.	1
6	SILT FENCE INSTALL	L.F.	1,437
7	SILT FENCE REFRESH (25%)	L.F.	359
8	INTAKE PROTECTION	EACH	7
9	EROSION STONE (d ₅₀ = 0.5')	TONS	10
10	TEMPORARY ROCK CONSTRUCTION ENTRANCE	LUMP	1
11	GEOTEXTILE STABILIZATION FABRIC CON. ENTRANCE	S.F.	1,100
12	TEMP SEEDING DURING PROJECT (ESTIMATED)	ACRE	2.0
13	MONTHLY EROSION CONTROL INSPECTION (Assume 9 months)	L.S.	6
14	CITY OF ELDRIDGE COSECO PERMIT WITH FEE	EACH	1
15	FINISHED SEEDING, FERTILIZING, MULCHING	ACRE	2.5
Earthwork			
14*	EARTHWORK - CUT	C.Y.	766
	EARTHWORK - FILL	C.Y.	8,054
	EARTHWORK - CUT to FILL (IMPORT)	C.Y.	7,287
15	TOP SOIL REMOVAL (ASSUMED 6")	C.Y.	1,600
16	TOP SOIL RE-SPREAD	C.Y.	800
*Estimated earthwork quantities are for building roadway and detention areas only, assumes 30%			
Pavement			
17	CONCRETE WASHOUT	L.S.	1
18	SAW CUT ROAD AT ENTRANCE	L.F.	81
19	7" P.C.C. PAVEMENT	S.Y.	1,950
20	ADA RAMPS	EACH	6
21	SIDEWALK, Lot 1 & outlot A	S.F.	895
22	4" PERFORATED CORRUGATED PE PIPE, ROCK IS SUBSIDIARY	L.F.	1,042
23	6" GRANULAR SUBBASE 1DOT GRADATION 12 OR 14	S.Y.	2,086
24	6" CORRUGATED POLYETHYLENE PIPE,	L.F.	565
25	6" PE TEE & STUB,	EACH	16
26	Street Light Assembly - cheapest one	EACH	4
Storm Sewer			
27	10" HDPE STORM SEWER PIPE	L.F.	41
28	12" RCP STORM SEWER PIPE	L.F.	216
29	18" RCP STORM SEWER PIPE	L.F.	41
30	10" END SECTION	EACH	2
31	15" FLARED END SECTION	EACH	1
32	18" FLARED END SECTION	EACH	1
33	48" DETENTION OUTLET STRUCTURE	EACH	1
34	CONCETE FLUME	S.F.	23
35	AREA INLET (SW-512)	EACH	2
36	INTAKE, SINGLE, C.O.E. SD-14,	EACH	4
Sanitary Sewer			
37	8" PVC SEWER PIPE	L.F.	588
38	6" PVC SANITARY LATERAL	L.F.	394
39	SANITARY MANHOLE	EACH	4
40	CONNECTION TO EXISTING SANITARY MAIN (SAN MH-1)	L.S.	1
Water Service			
41	1" CURB STOP & SERVICE BOX w/ SERVICE TAPS (1 PER SERVICE)	EACH	16
42	1" SERVICE LINE	L.F.	582
43	REMOVE AND RESET HYDRANT	L.S.	1
44	FIRE HYDRANT W/ CONNECTIONS	EACH	2
45	CONNECTION TO EXISTING WATER MAIN	EACH	1
46	6" WATER MAIN	L.F.	476
47	6" GATE VALVE	EACH	4
48	6x6x6 TEE	EACH	1
49	WATER MAIN DISINFECTION AND TESTING	L.S.	1

LEGEND:			
	EASEMENT		EXISTING GAS VALVE
	SETBACK LINE		EXISTING WATER VALVE
	CENTERLINE		EXISTING UTILITY POLE
	PROPERTY BOUNDARY		EXISTING LIGHT POLE
	EXISTING FENCE		EXISTING TREE
	EXISTING SANITARY		EXISTING BUSH
	PROPOSED SANITARY		EXISTING MANHOLE
	EXISTING STORM SEWER		EXISTING FIRE HYDRANT
	PROPOSED STORM SEWER		FLAGGED PROPERTY PIN
	EXISTING WATER		CONTROL POINT
	PROPOSED WATER		MATCH EXISTING
	EXISTING GAS LINE		EXISTING CONTOUR LINE
	EXISTING ELECTRIC		PROPOSED CONTOUR LINE
	PROPOSED UNDERGROUND		SPOT ELEVATION TOP OF CURB
			SPOT ELEVATION TOP OF PAVEMENT
			SPOT ELEVATION FINISHED FLOOR
			SPOT ELEVATION TOP OF RETAINING WALL
			SPOT ELEVATION BOTTOM OF RETAINING WALL



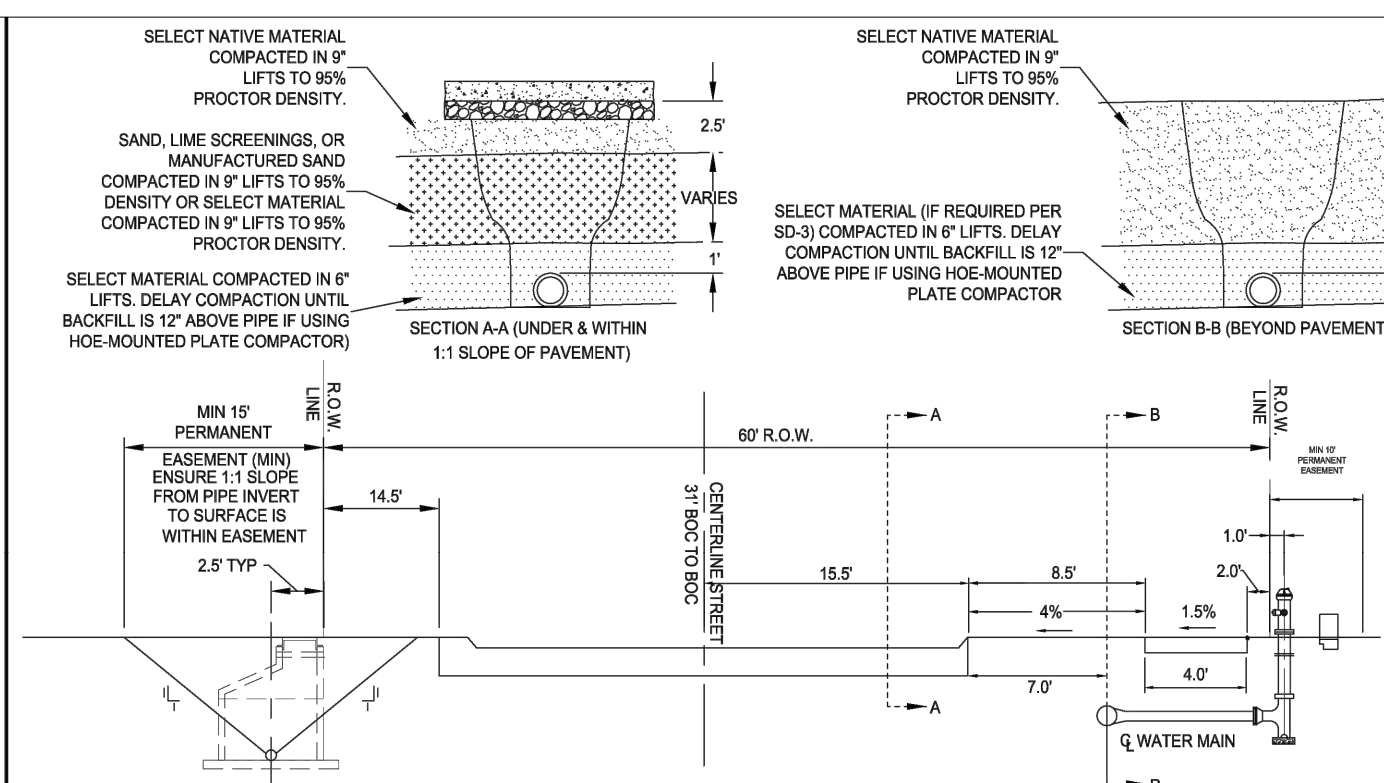
NORTH SCOTT SCHOOL DISTRICT LANCERS RUN SUBDIVISION



MidAmerican Energy - Electric & Gas 2811 5th Avenue Rock Island, IL 61201 (309) 793-3707	Century Link - Internet 3908 Utica Ridge Road Bettendorf, IA 52722 (563) 355-6402
MediaCom - Cable, Internet, & Phone 3900 26th Avenue Moline, IL 61265 (309) 743-4750	

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL EXISTING UTILITIES AND PAVED STREETS, INCLUDING ANY NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER IF ANY CONFLICTS WITH THE DRAWINGS OCCUR. ANY DAMAGE TO EXISTING UTILITIES AND/OR PAVED STREETS CAUSED BY TRENCHING AND GRADING OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. EXISTING UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE.
2. FINISHED FLOORS ELEVATIONS ARE APPROXIMATE AND SHALL BE DETERMINED BASED UPON ARCHITECTURAL DRAWINGS, ACTUAL SITE, AND INSTALL ROADWAY ELEVATIONS.
3. UTILITY SERVICE LOCATIONS ARE APPROXIMATE AND SHOULD BE CONFIRMED COMPATIBLE WITH ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.

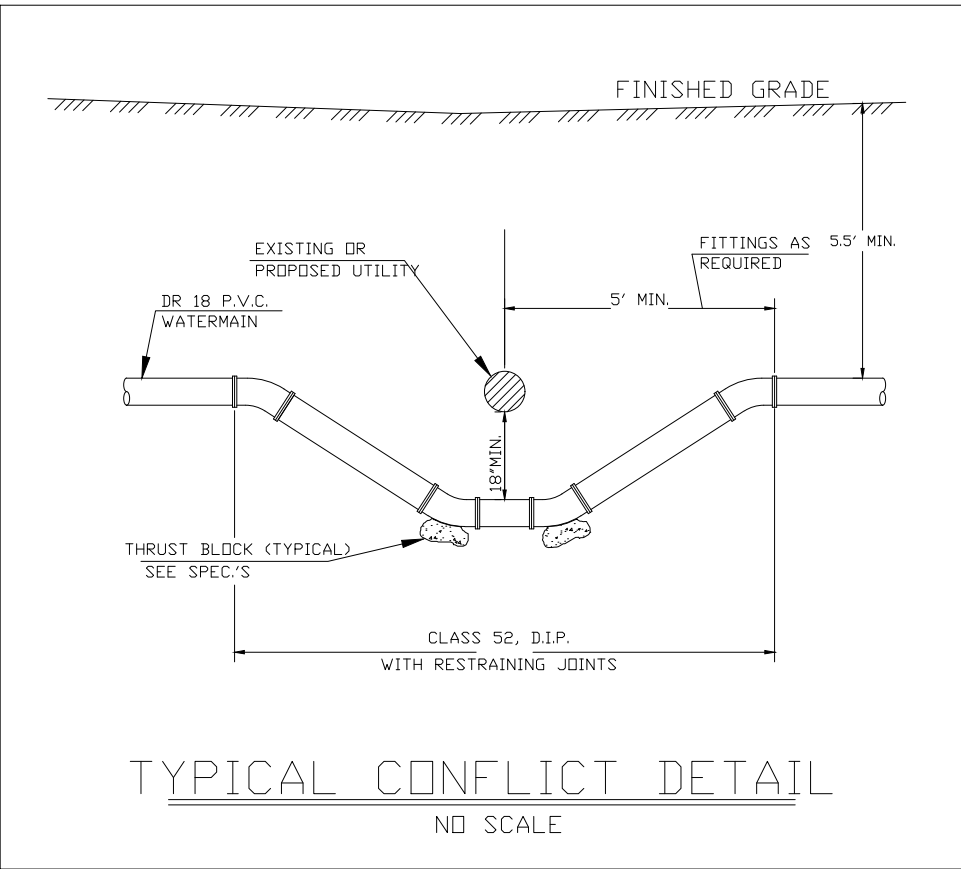
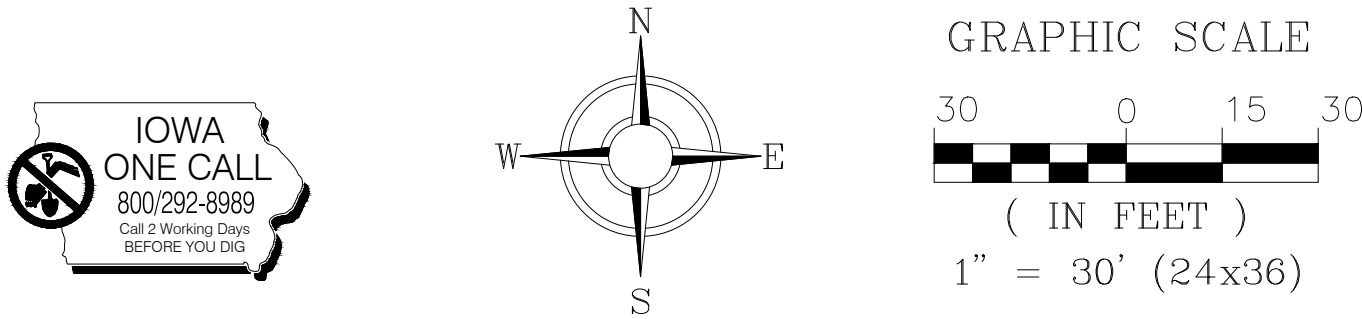
LEGEND:					
	EXISTENT		EXISTING GAS VALVE		EXISTING CONTOUR LINE
	SEWERAGE LINE		EXISTING WATER VALVE		PROPOSED CONTOUR LINE
	CENTRAL LINE		EXISTING UTILITY POLE		SPOT ELEVATION
	PROPERTY BOUNDARY		EXISTING TREE		SPOT ELEVATION FOR CURB
	EXISTING FENCE		EXISTING BUSH		SPOT ELEVATION FOR PAVEMENT
	EXISTING SANITARY		EXISTING MANHOLE		SPOT ELEVATION FOR FLOOR
	PROPOSED SANITARY		EXISTING FIRE HYDRANT		FINISHED GRADE ELEVATION
	EXISTING STORM SEWER		FOUND PROPERTY PIN		SPOT ELEVATION FOR RETAINING WALL
	EXISTING STORM SEWER		CONTROL POINT		SPOT ELEVATION EXISTING STRUCTURE
	EXISTING WATER		MATCH EXISTING		
	PROPOSED WATER				
	EXISTING GAS				
	EXISTING ELECTRIC				
	PROPOSED UNDERDRAIN				



NOTES:

1. DISTURBED MATERIAL IN THE EXCAVATION MUST BE COMPACTED TO 95% DENSITY
2. SELECT MATERIAL PLACED IN TRENCH UNDER PAVEMENT SHALL BE INCLUDED IN THE TRENCH INSTALLATION COST. NO ADDITIONAL PAYMENT WILL BE MADE FOR SELECT MATERIAL UNDER EXISTING OR PROPOSED PAVEMENT.
3. MANHOLE COVERS SHALL BE SET TO FINAL SIDEWALK GRADE. IF FURTHER ADJUSTMENT IS NECESSARY BECAUSE OF FUTURE LOT GRADING IT SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER.
4. BACKFILL FOR PIPE TRENCH EXCAVATION UNDER PAVEMENT SHALL CONFORM TO THAT SHOWN IN SECTION C-6 ABOVE AND AS SPECIFIED IN CHAPTER 16 PARAGRAPHS 1.1.5 OF THE STANDARD SPECIFICATIONS.
5. THE PLANTING OF TREES OR SHRUBS IN THE RIGHT-OF-WAY OR PERMANENT EASEMENT SHALL BE PROHIBITED.
6. INSIDE OF MANHOLE CASTING SHALL BE LOCATED AT PROPERTY LINE OR U.L. LINE.

NORTH SCOTT SCHOOL DISTRICT
LANCERS RUN SUBDIVISION
TO THE CITY OF ELDRIDGE, IA



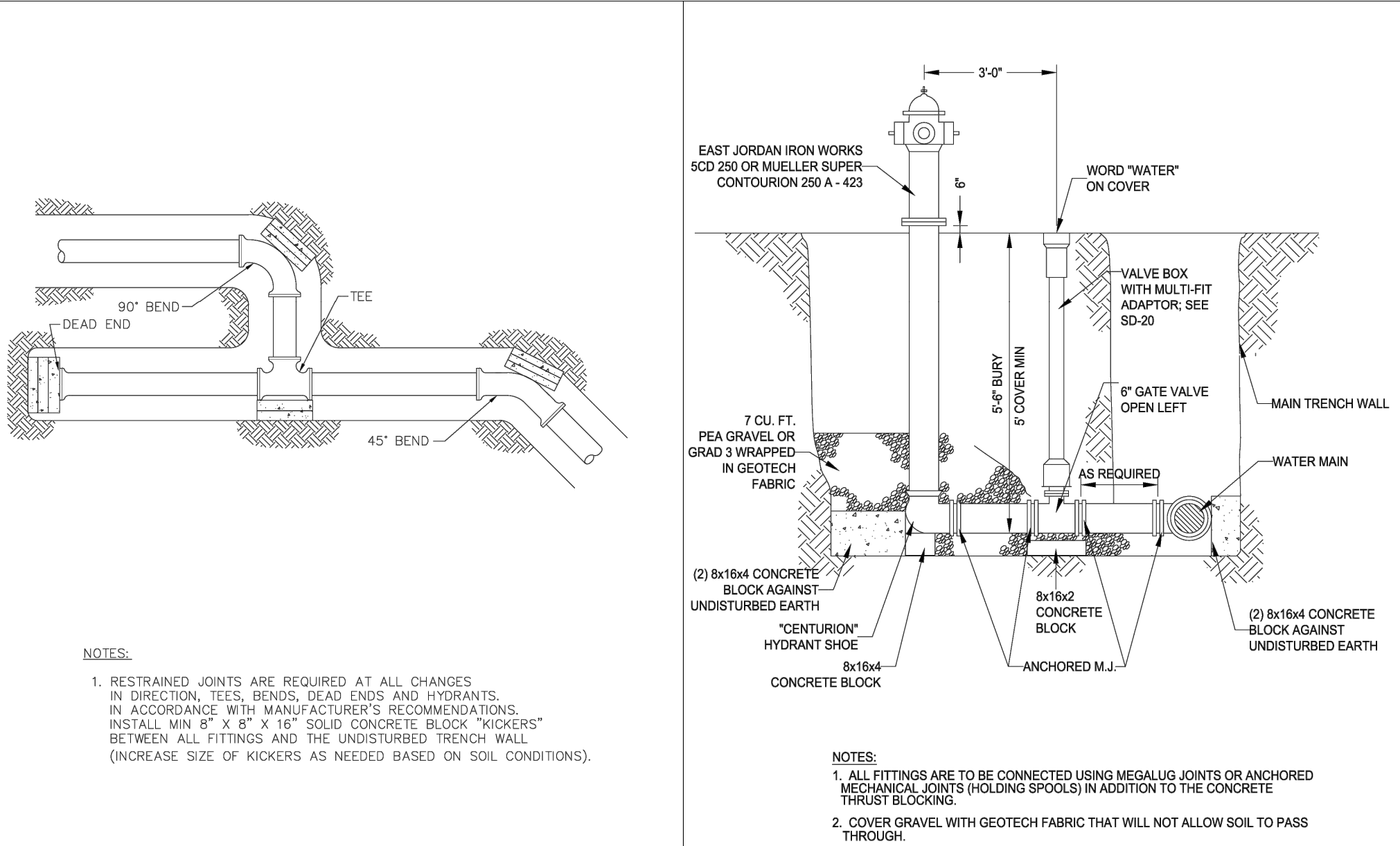
Vertical separation of sanitary and storm sewers crossing under any water main should be at least 18 inches when measured from the top of the sewer to the bottom of the water main.

If physical conditions prohibit the separation, the sewer may be placed not closer than 6 inches below a water main or 18 inches above a water main. The separation distance shall be the maximum feasible in all cases.

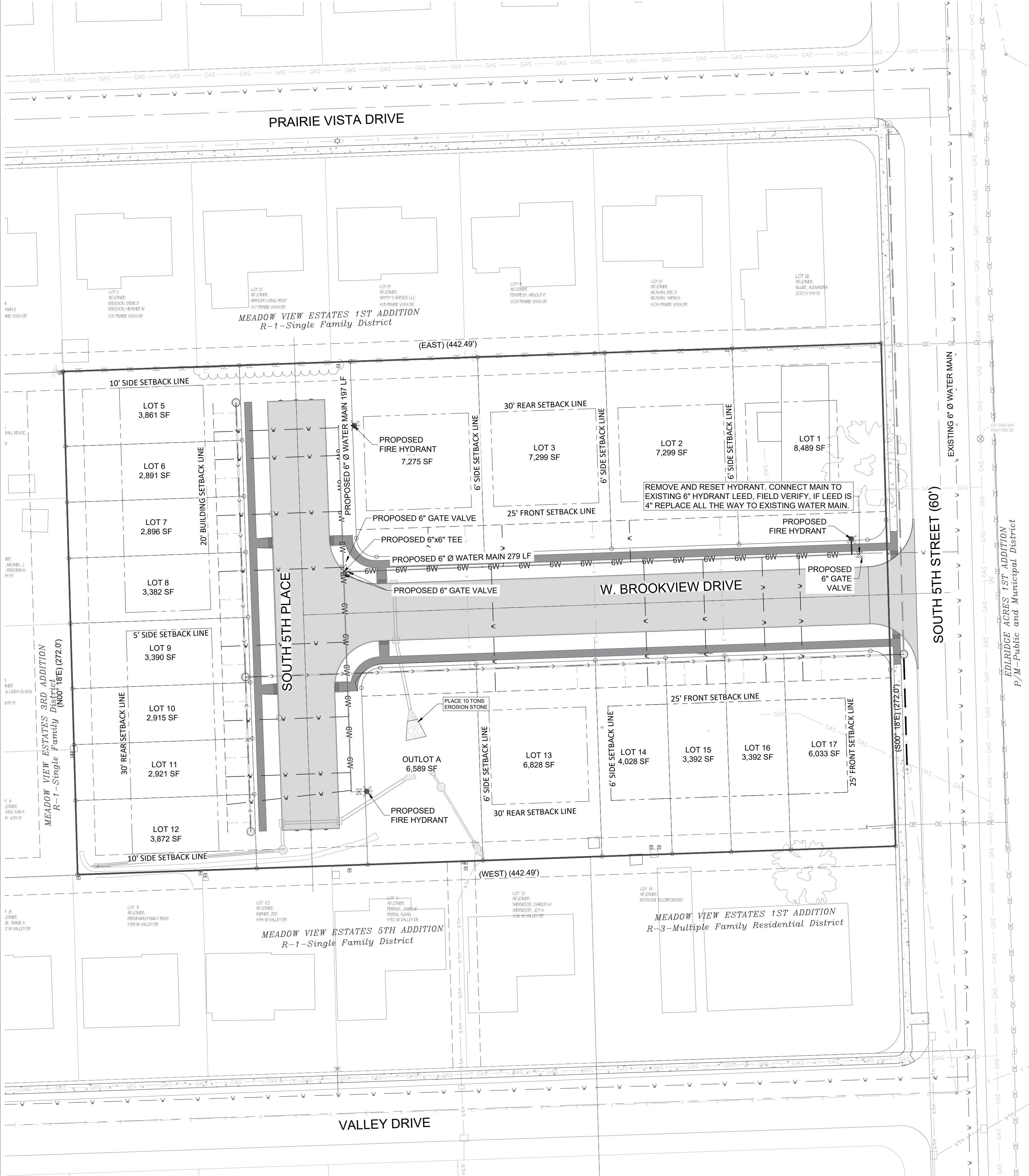
Where the sewer crosses over or less than 18 inches below a water main one full length of sewer pipe of water main material shall be located so both joints are as far as possible from the water main. The sewer and water pipes must be adequately supported and have watertight joints. A low permeability soil shall be used for backfill material within 10 feet of the point of crossing.

GENERAL NOTES

- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL EXISTING UTILITIES AND PAVED STREETS, INCLUDING ANY NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER IF ANY CONFLICTS WITH THE DRAWINGS OCCUR. ANY DAMAGE TO EXISTING UTILITIES AND/OR PAVED STREETS CAUSED BY TRENCHING AND GRADING OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. EXISTING UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE.
- THE WATER MAIN SHALL BE DUCTILE IRON PER CITY OF ELDRIDGE SPECIFICATIONS.

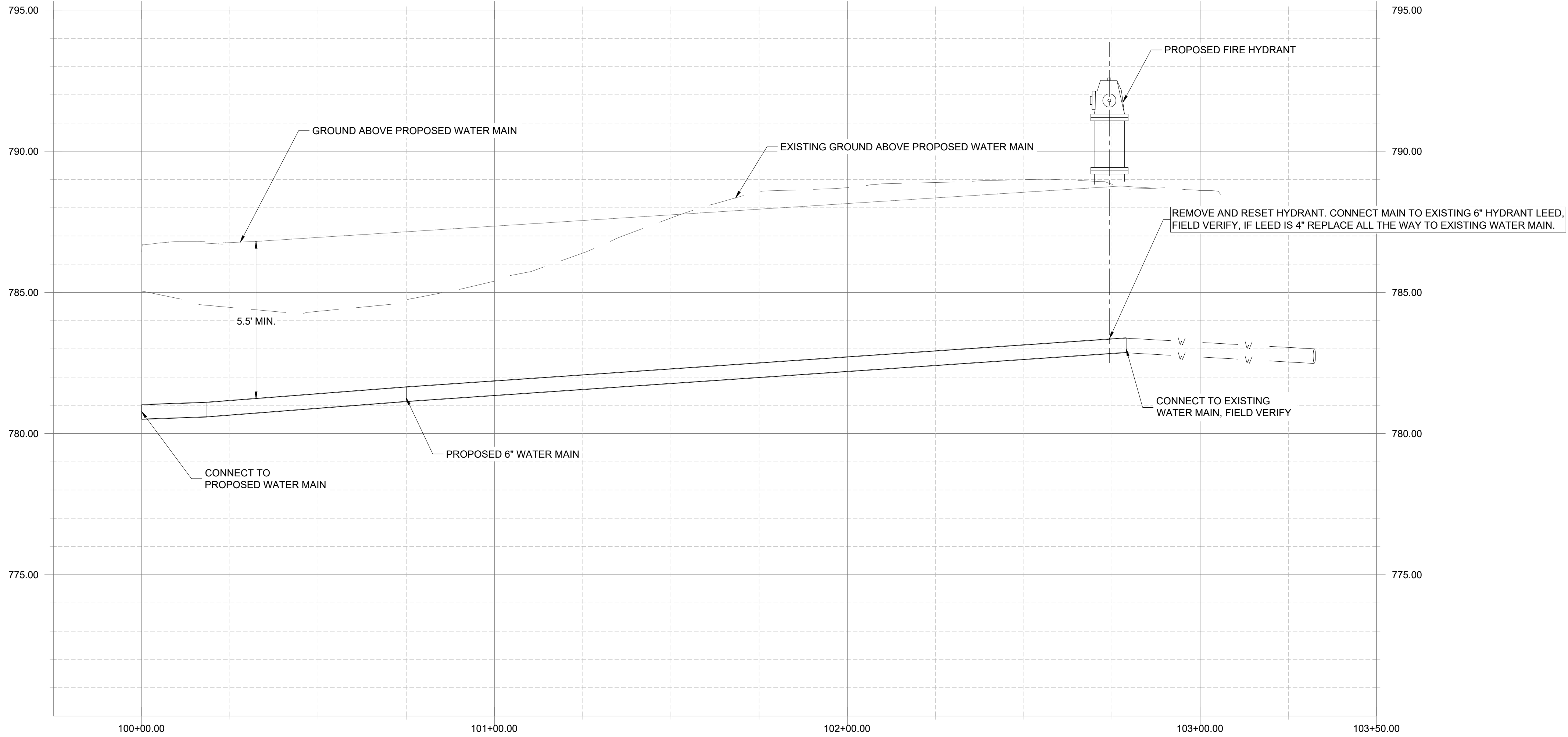
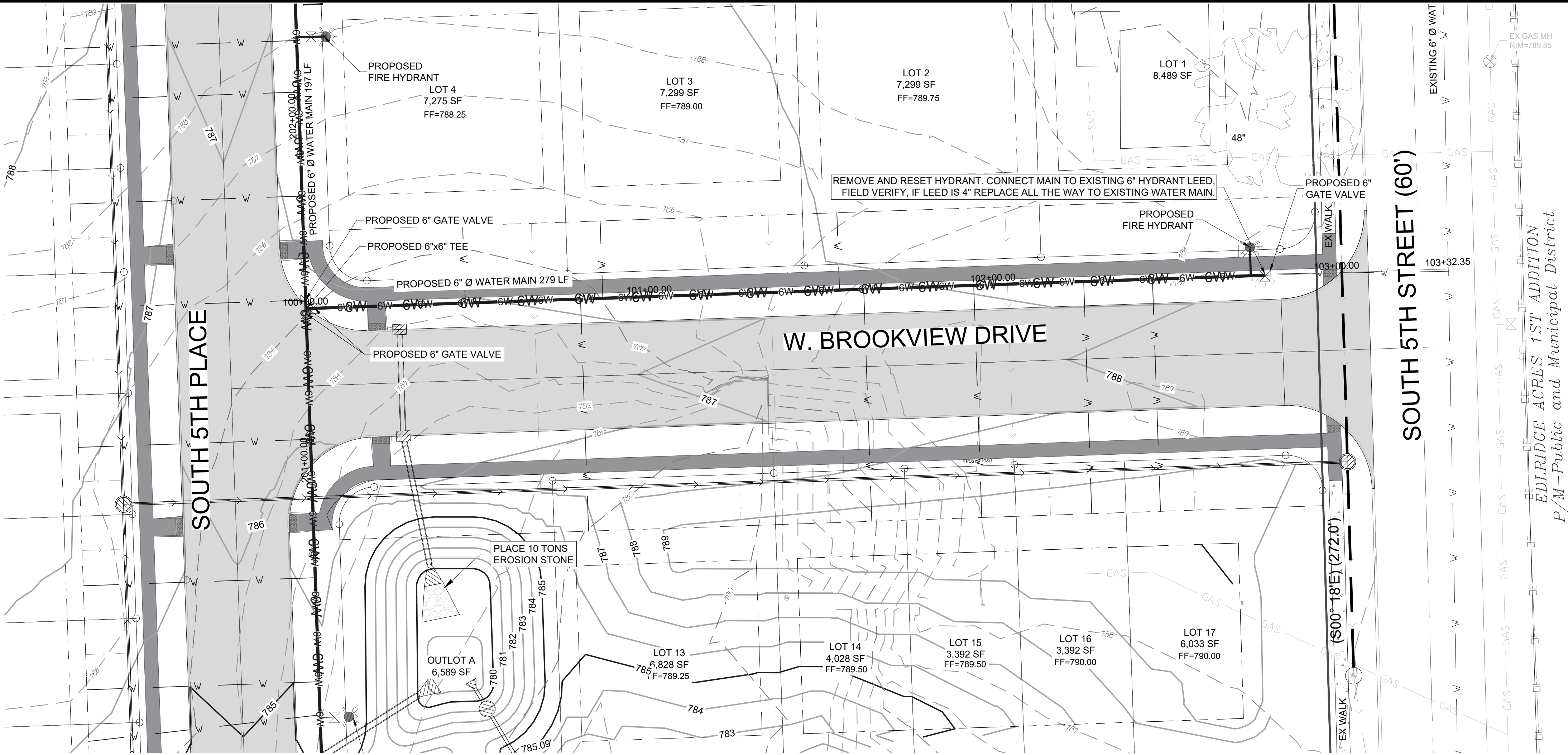
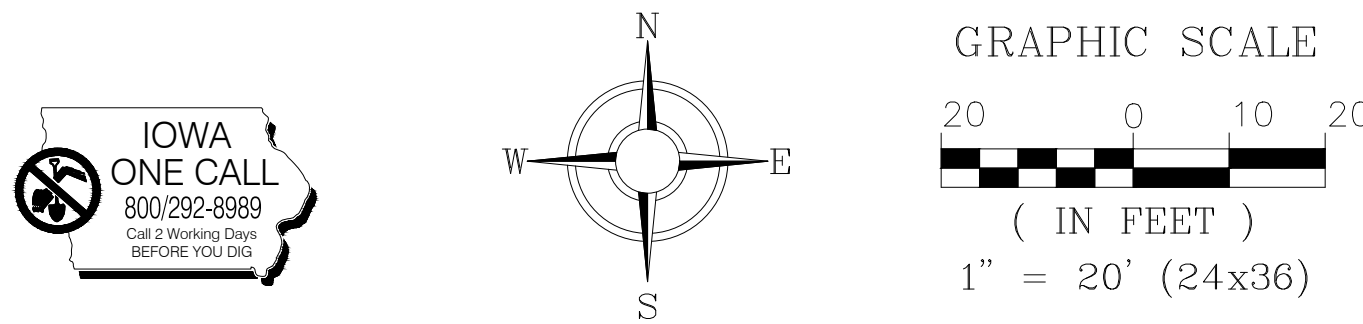


CITY OF ELDRIDGE	Detail Description: WATER MAIN FITTING DETAIL	Date: 3/26/17	CITY OF ELDRIDGE	Detail Description: FIRE HYDRANT INSTALLATION	Date: 3/26/17
	Detail Number: SD-18			Detail Number: SD-19	
CITY OF ELDRIDGE			CITY OF ELDRIDGE		
	Detail Description: VALVE BOX DETAIL	Date: 3/26/17		Detail Description: WATER SERVICE CONNECTION	Date: 3/26/17
	Detail Number: SD-20			Detail Number: SD-21	



NORTH SCOTT SCHOOL DISTRICT
LANCERS RUN SUBDIVISION

TO THE CITY OF ELDRIDGE, IA



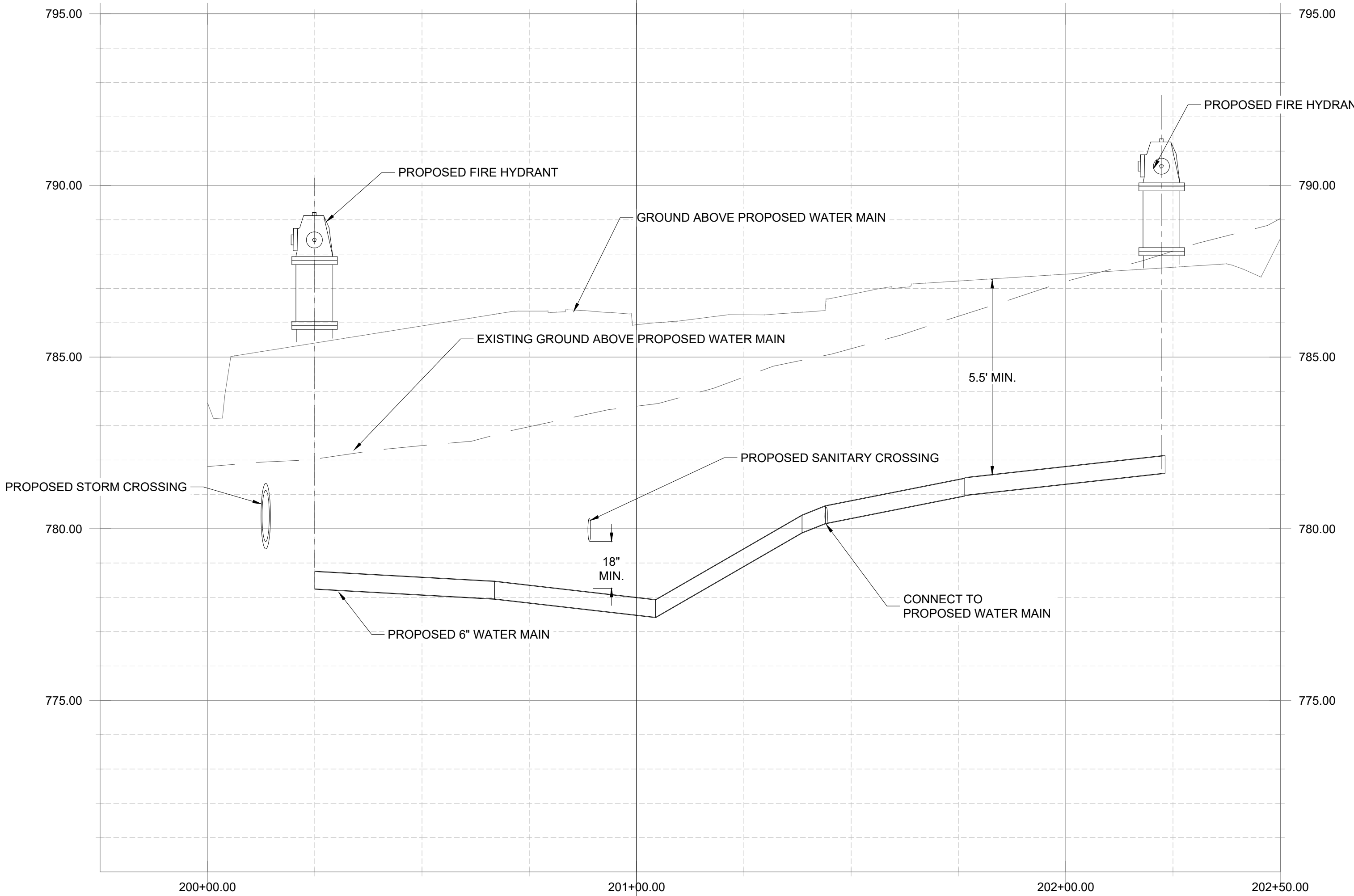
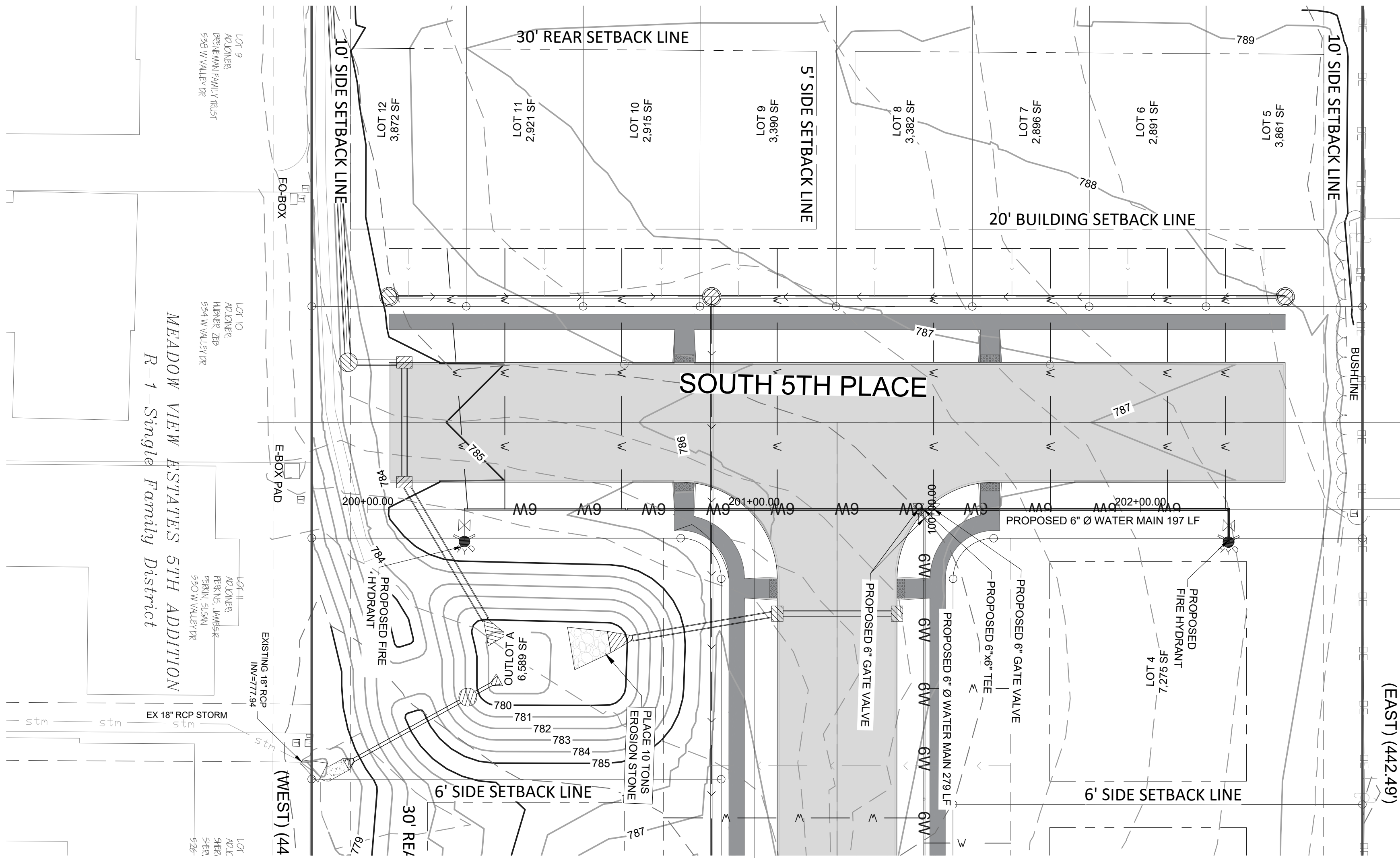
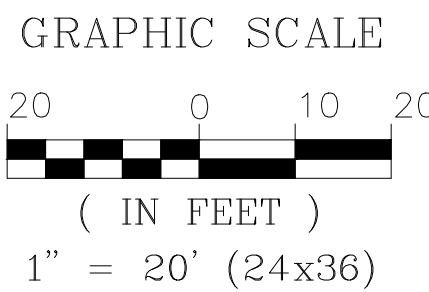
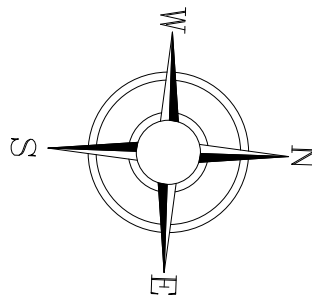
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SCALE: 1" = 5' VERTICAL

REVISIONS:		
NO.	DESCRIPTION	DATE
1.	PER CITY COMMENTS DATED 1/16/2025	1/28/2025
2.	APPROVED BY CITY	1/31/2025
3.	APPROVED FOR BIDDING	7/08/2025

NORTH SCOTT SCHOOL DISTRICT
LANCERS RUN SUBDIVISION

TO THE CITY OF ELDRIDGE, IA



SCALE: 1" = 20' HORIZONTAL

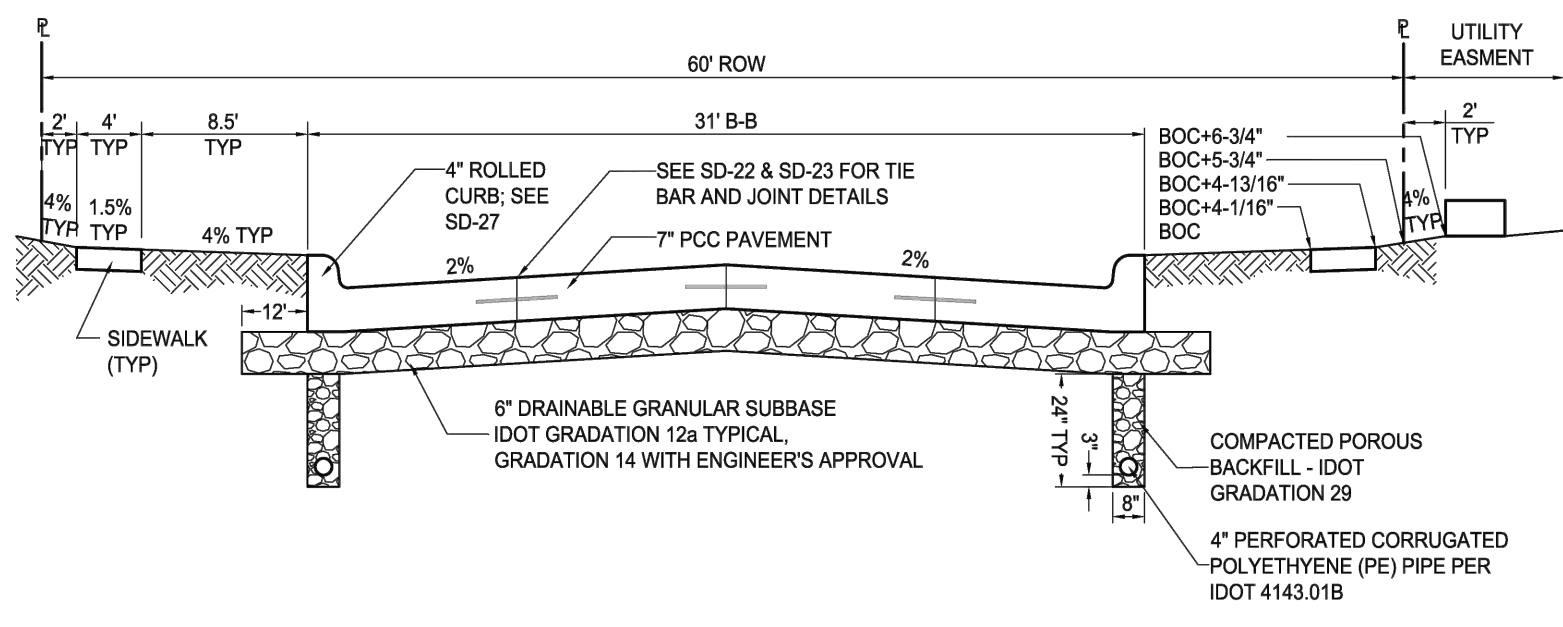
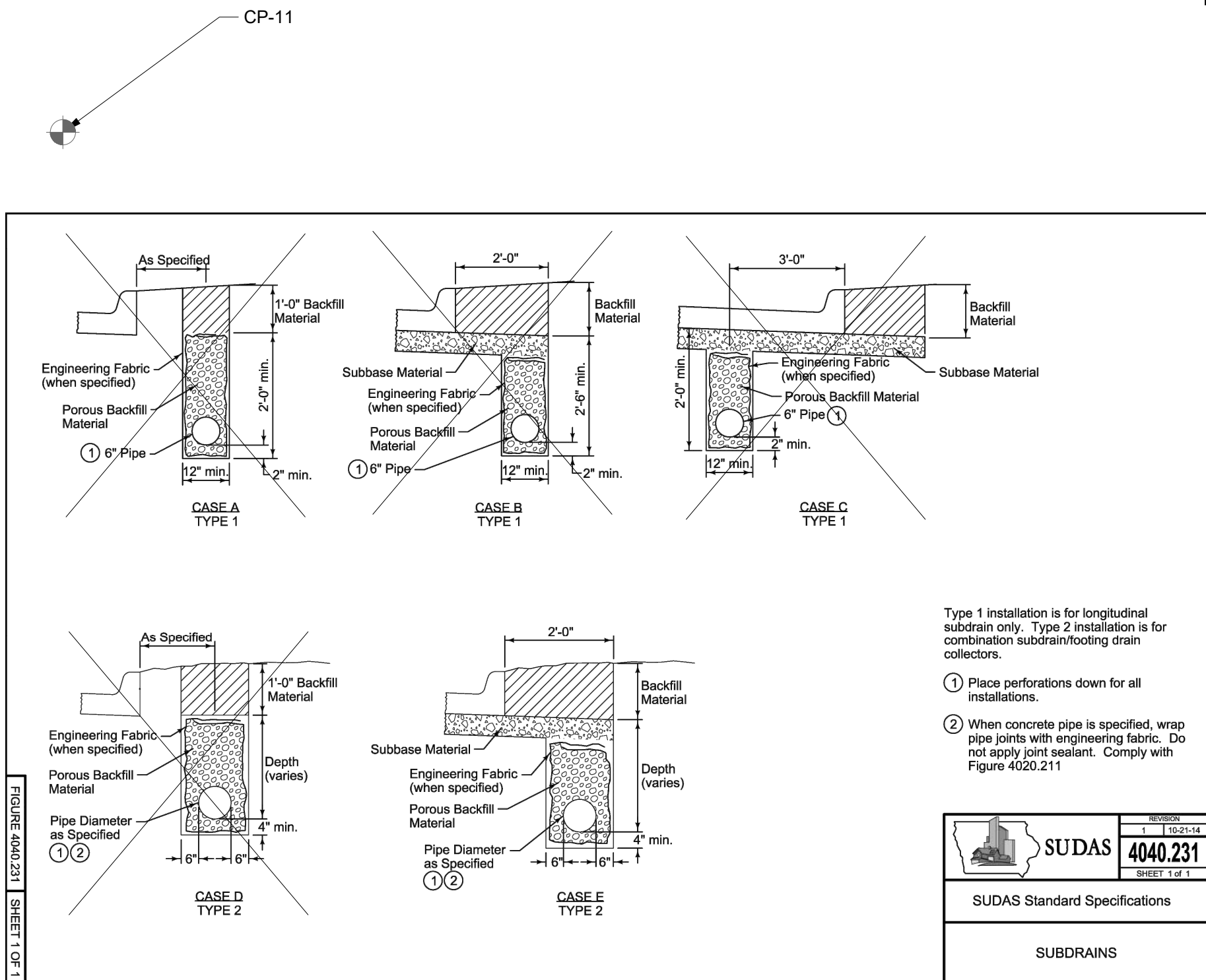
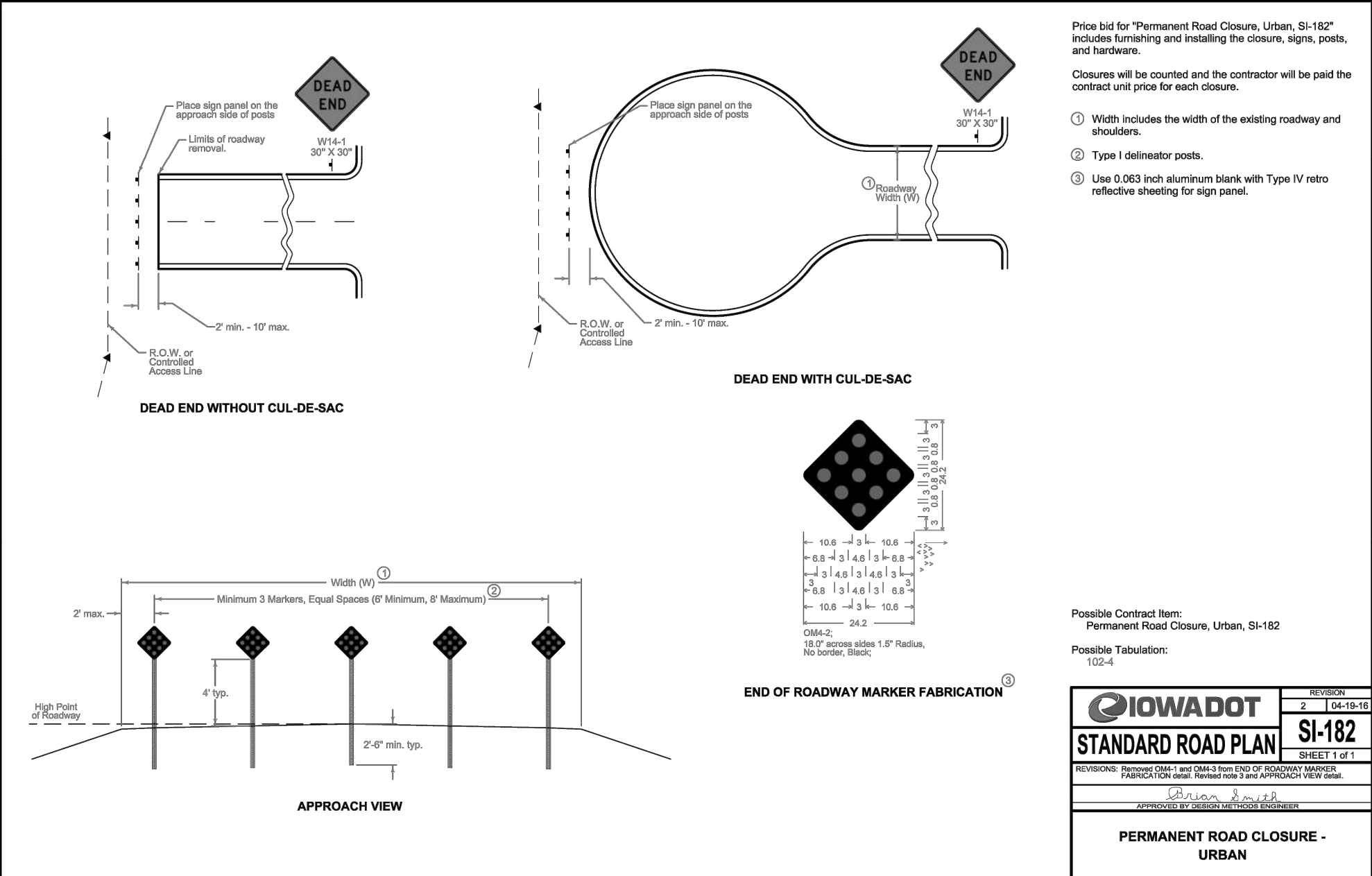
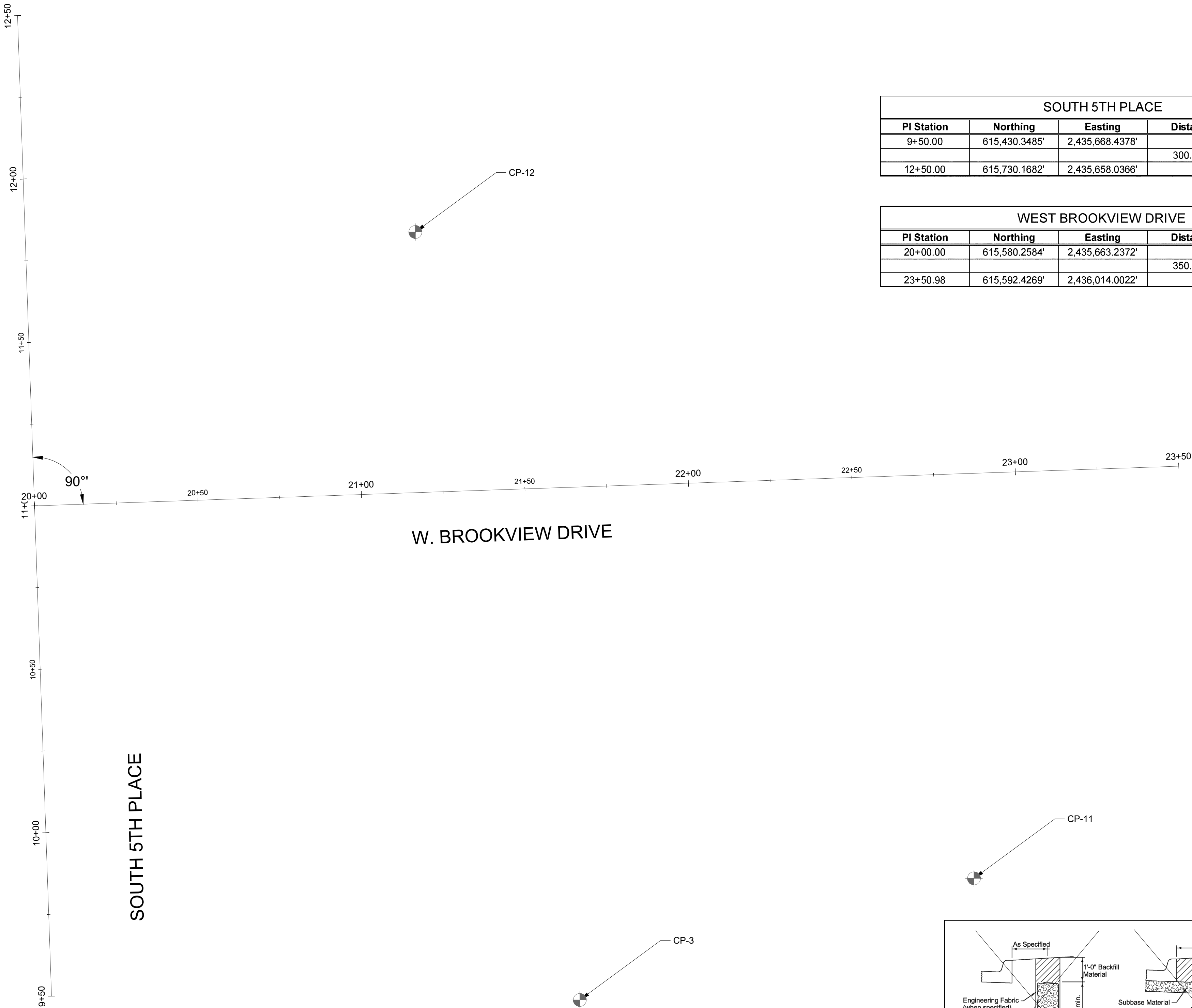
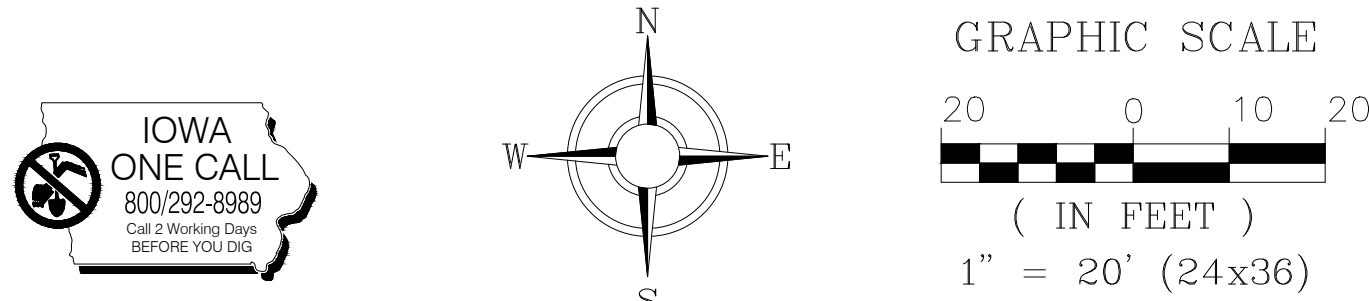
SCALE: 1" = 5' VERTICAL

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1.	PER CITY COMMENTS DATED 1/16/2025	1/28/2025
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NORTH SCOTT SCHOOL DISTRICT
LANCERS RUN SUBDIVISION
TO THE CITY OF ELDRIDGE, IA

SOUTH 5TH PLACE				
PI Station	Northing	Easting	Distance	Direction
9+50.00	615,430.3485'	2,435,668.4378'	300.000'	N1° 59' 12.77"W
12+50.00	615,730.1682'	2,435,658.0366'		

WEST BROOKVIEW DRIVE				
PI Station	Northing	Easting	Distance	Direction
20+00.00	615,580.2584'	2,435,663.2372'	350.976'	N88° 00' 47.23"E
23+50.98	615,592.4269'	2,436,014.0022'		



- GENERAL NOTES:
1. MAXIMUM OUTLET DISTANCE FOR SUBDRAIN PIPE SHALL BE 500'.
 2. PROVIDE TRANSVERSE SUBDRAIN PIPE AT LOW POINTS IN ROADWAY PROFILE. TRANSVERSE PIPE PROFILE TO MATCH ROADWAY CROSS SECTION SO AS TO DRAIN INTO LONGITUDINAL SUBDRAIN PIPE OR INTAKES.
 3. COMPACTED SUBGRADE UNDER PAVING SHALL EXTEND TO A MINIMUM OF 12 INCHES BEYOND THE PAVEMENT BACK OF CURB.
 4. SUBDRAIN PIPE NOT IN CONFLICT WITH STORM SEWER MAY BE INSTALLED WITH THE OUTER TRENCH FACE EVEN WITH THE BACK OF CURB TO 12 INCHES INSIDE THE BACK OF CURB. SUBDRAIN PIPE IN CONFLICT WITH STORM SEWER SHALL BE INSTALLED BETWEEN THE STORM SEWER AND THE STREET CENTERLINE, WITH THE OUTER SUBDRAIN TRENCH FACE 10 INCHES FROM THE OUTER WALL OF THE PIPE.

ROAD AND SANITARY, PLAN AND PROFILE

NORTH SCOTT SCHOOL DISTRICT LANCERS RUN SUBDIVISION

TO THE CITY OF ELDRIDGE, IA

GRAPHIC SCALE

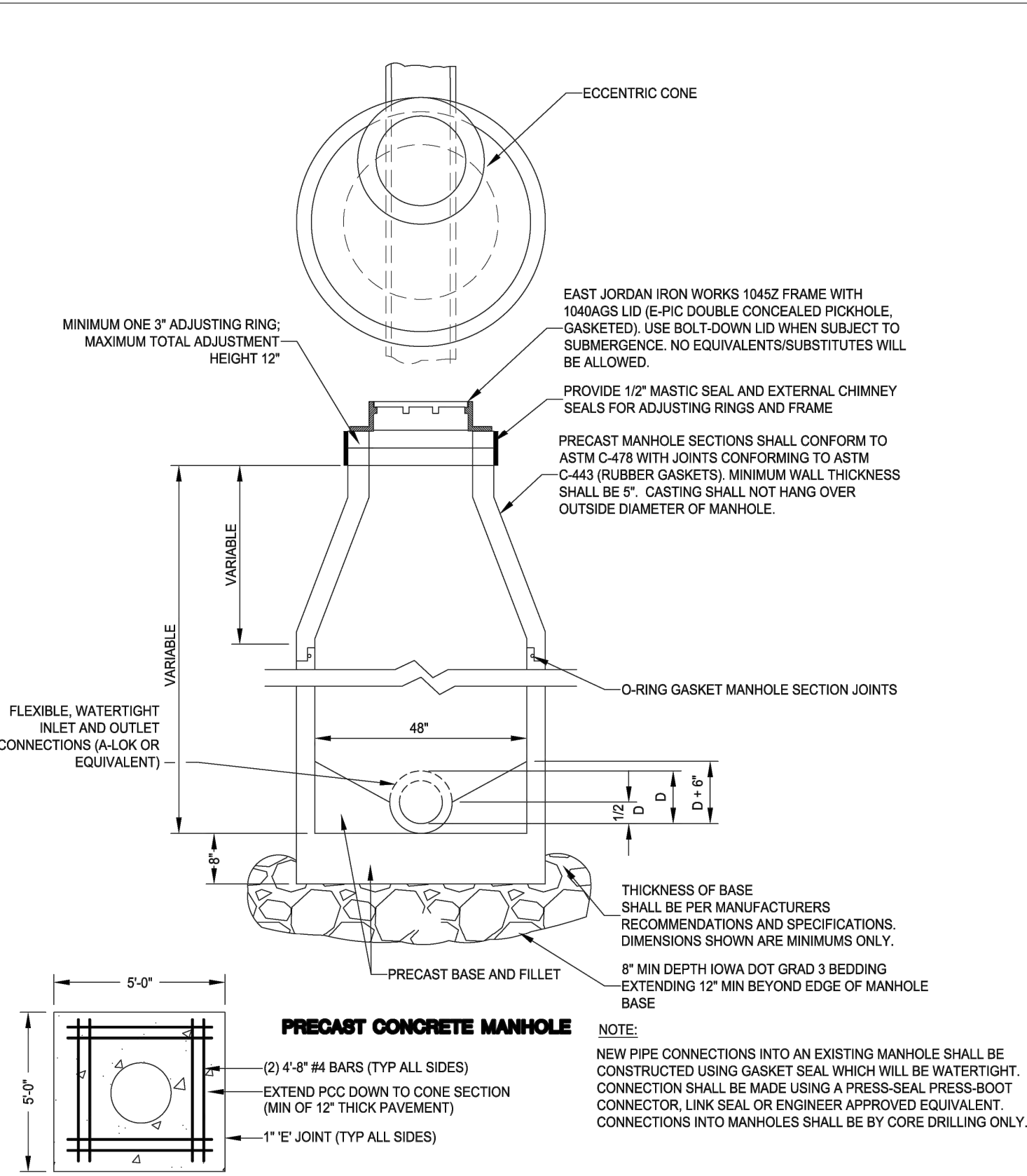
20 0 10 20

(IN FEET)

1" = 20' (24x36)

CONSTRUCT MANHOLE		
STRUCTURE	RIM	PIPE INVERT
SAN MH-1	788.42	8" W INV IN = 778.47' 8" S INV OUT = 778.27' 8" N INV IN = 778.27'
SAN MH-2	786.80	8" S INV IN = 780.09' 8" E INV OUT = 779.89' 8" N INV IN = 780.09'
SAN MH-3	785.32	8" N INV OUT = 780.43'
SAN MH-4	788.00	8" S INV OUT = 780.68'

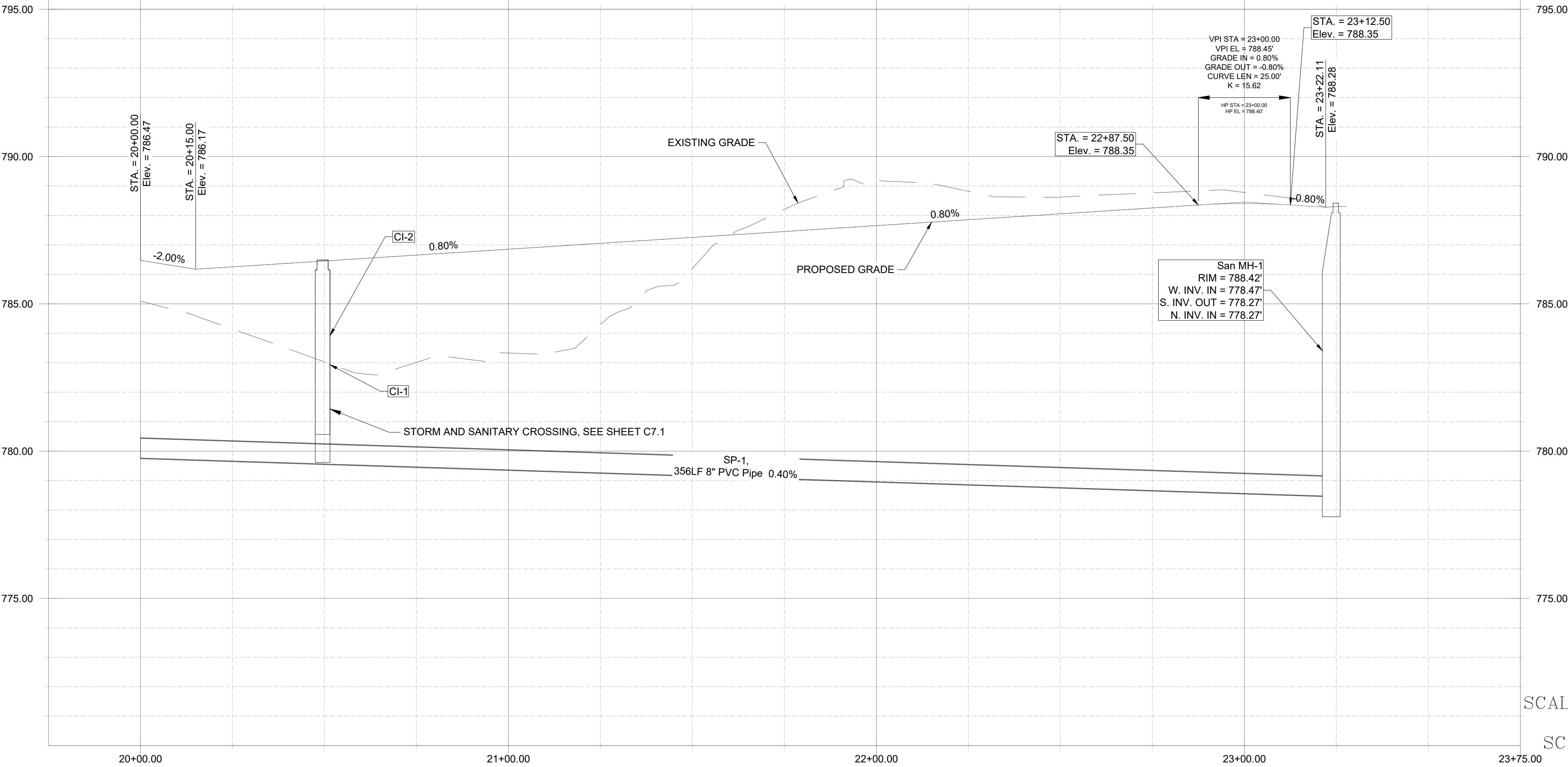
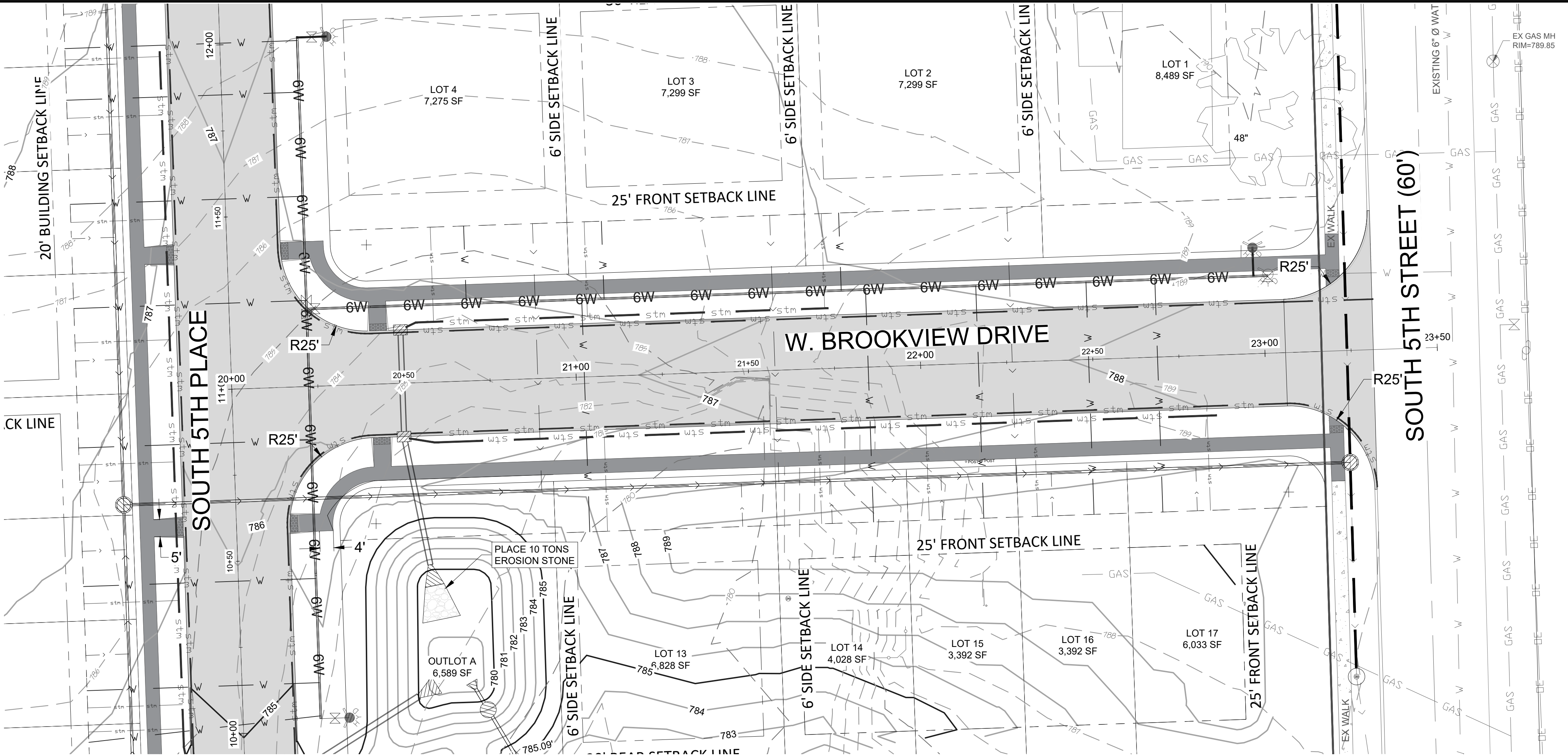
SANITARY PIPE TABLE					
PIPE NAME	LOCATION	SIZE	MATERIAL	LENGTH	SLOPE
SP-1	SAN MH-2 TO SAN MH-1	8"	PVC PIPE	356'	0.40%
SP-2	SAN MH-3 TO SAN MH-2	8"	PVC PIPE	84'	0.40%
SP-3	SAN MH-4 TO SAN MH-2	8"	PVC PIPE	148'	0.40%



CITY OF ELDRIDGE	Detail Description:	Date:
	STANDARD SANITARY MANHOLE	3/20/17
	Detail Number:	SD-4

SCALE: 1" = 20' HORIZONTAL

SCALE: 1" = 5' VERTICAL



DATE: 3/20/2025

563 386.4236 office 386.4231 fax

2224 East 12th Street, Davenport, IA 52803

DRAWN BY: PAR

CHECKED BY: CRT

DRAWING LOCATION: S:\NORTH SCOTT SCHOOLS\5TH STREET SUBDIVISION\DRAWINGS

NO.	REVISIONS:	DATE
1.	DESCRIPTION	
2.	PER CITY COMMENTS DATED 1/16/2025	1/28/2025
3.	APPROVED BY CITY	1/31/2025
	APPROVED FOR BIDDING	7/08/2025

PROJECT: ROAD AND SANITARY P&P
LANCERS RUN SUBDIVISION
208 5TH STREET
ELDRIDGE, IA 52748

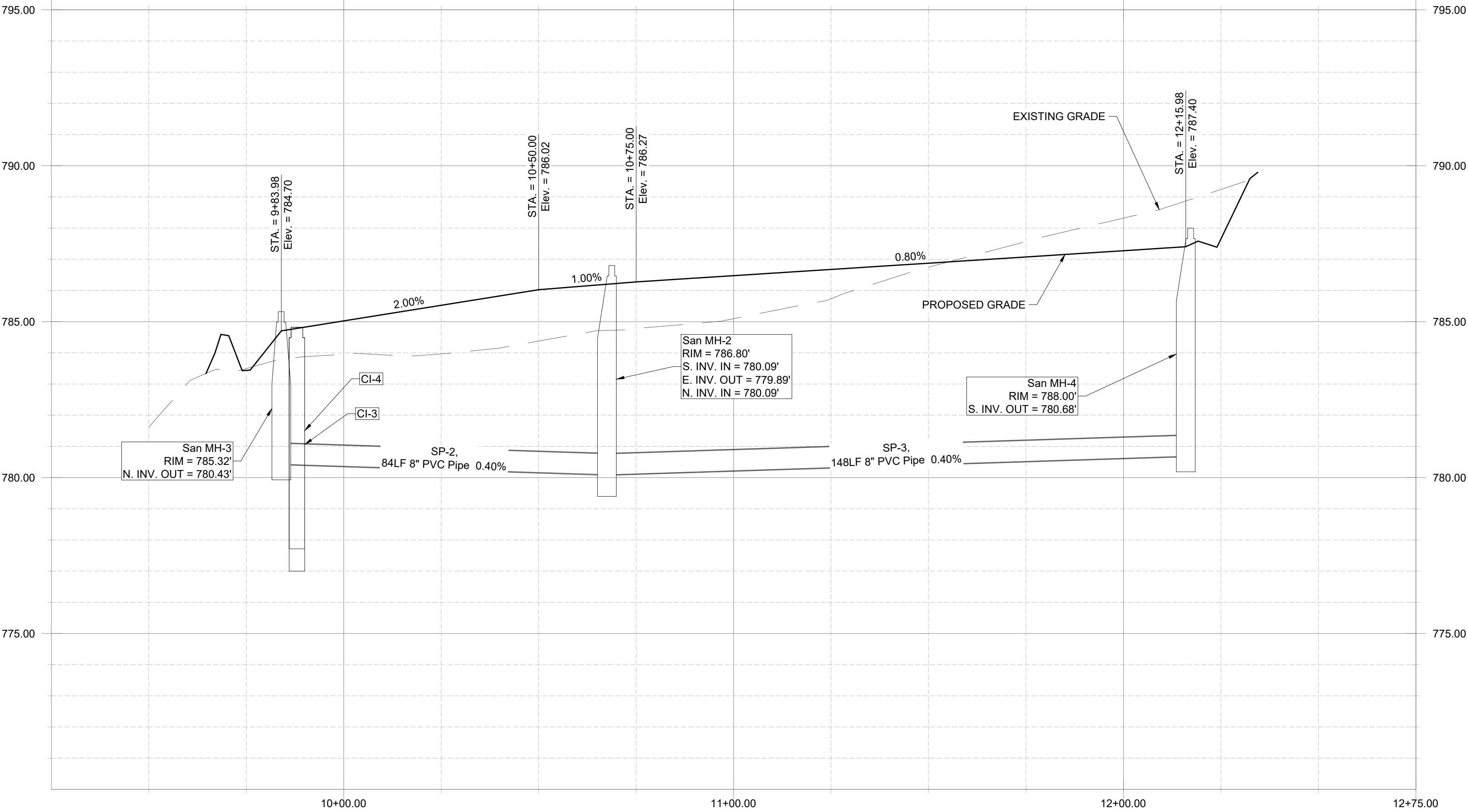
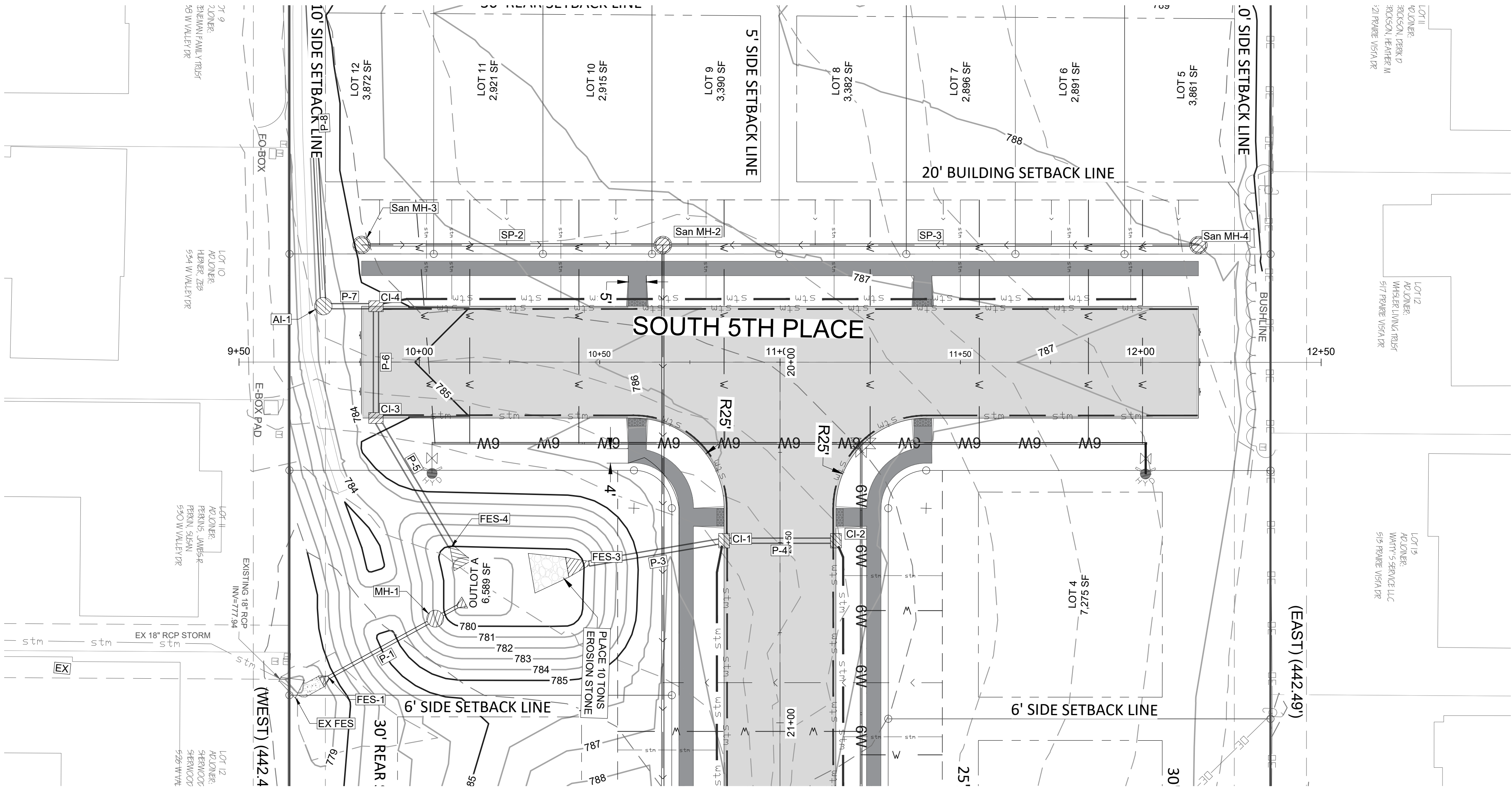
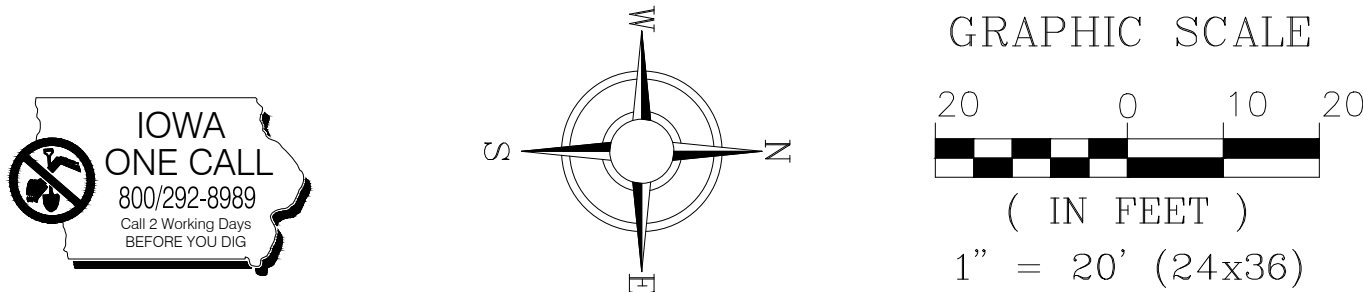
DEVELOPER: NORTH SCOTT SCHOOL DISTRICT
200 S 1ST STREET
ELDRIDGE, IA 52748

SHEET NO. C6.1

ROAD AND SANITARY PLAN & PROFILE

NORTH SCOTT SCHOOL DISTRICT LANCERS RUN SUBDIVISION

TO THE CITY OF ELDRIDGE, IA



SCALE: 1" = 20' HORIZONTAL
SCALE: 1" = 5' VERTICAL



DATE: 3/20/2025
563 386.4236 office 386.4231 fax
2224 East 12th Street, Davenport, IA 52803

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CHECKED BY: CRT
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NO.	REVISIONS: DESCRIPTION	DATE
1.	PER CITY COMMENTS DATED 1/16/2025	1/28/2025
2.	APPROVED BY CITY	1/31/2025
3.	APPROVED FOR BIDDING	7/08/2025

PROJECT
ROAD AND SANITARY P&P
LANCERS RUN SUBDIVISION
208 5TH STREET
ELDRIDGE, IA 52748

DEVELOPER
NORTH SCOTT SCHOOL DISTRICT
200 S 1ST STREET
ELDRIDGE, IA 52748

SHEET NO.

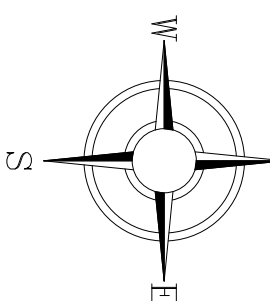
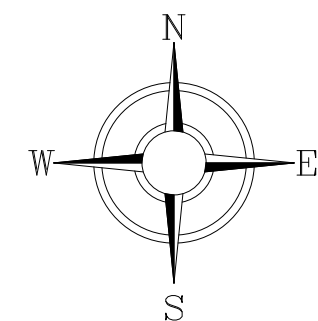
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NORTH SCOTT SCHOOL DISTRICT
LANCERS RUN SUBDIVISION

TO THE CITY OF ELDRIDGE, IA

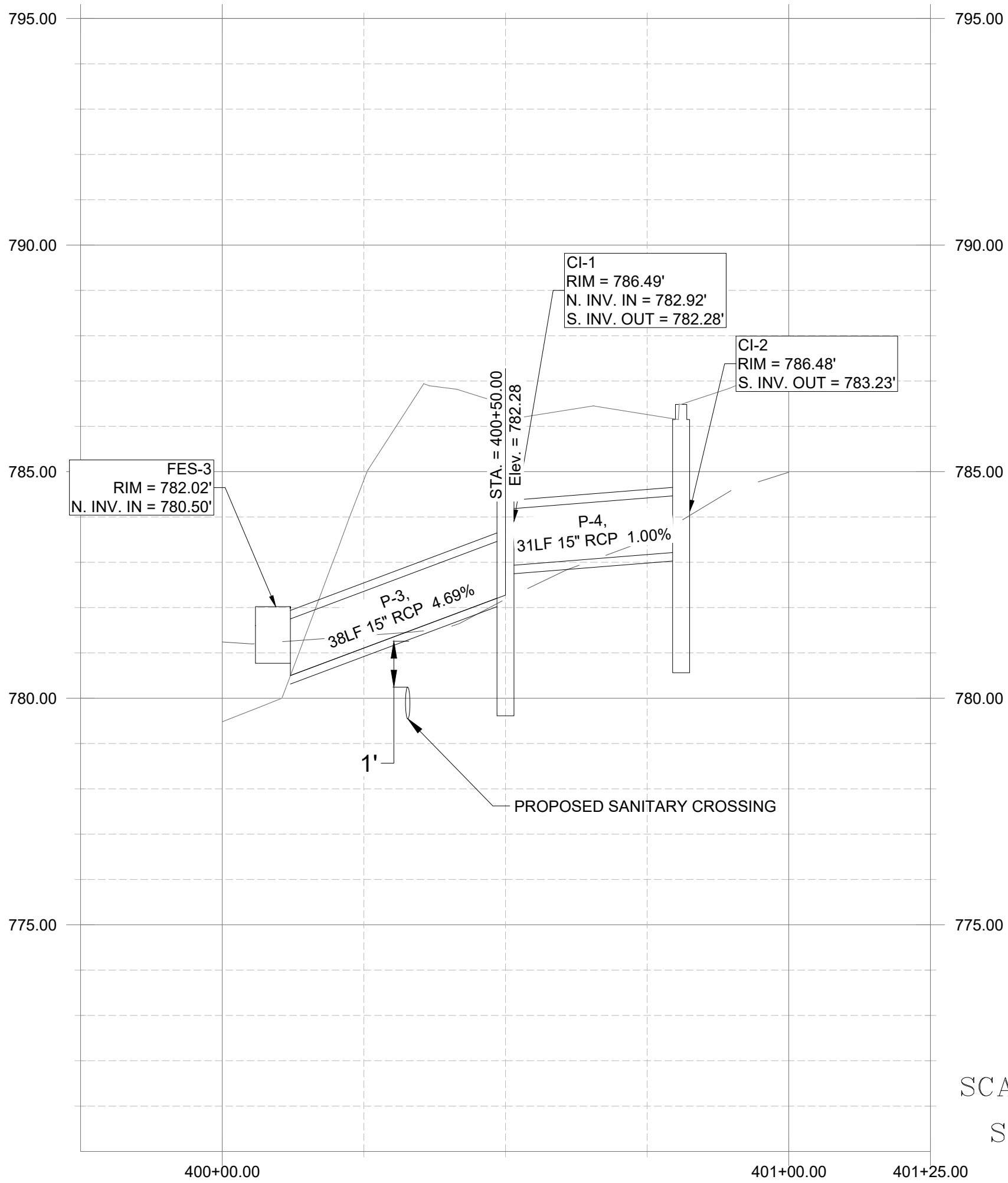
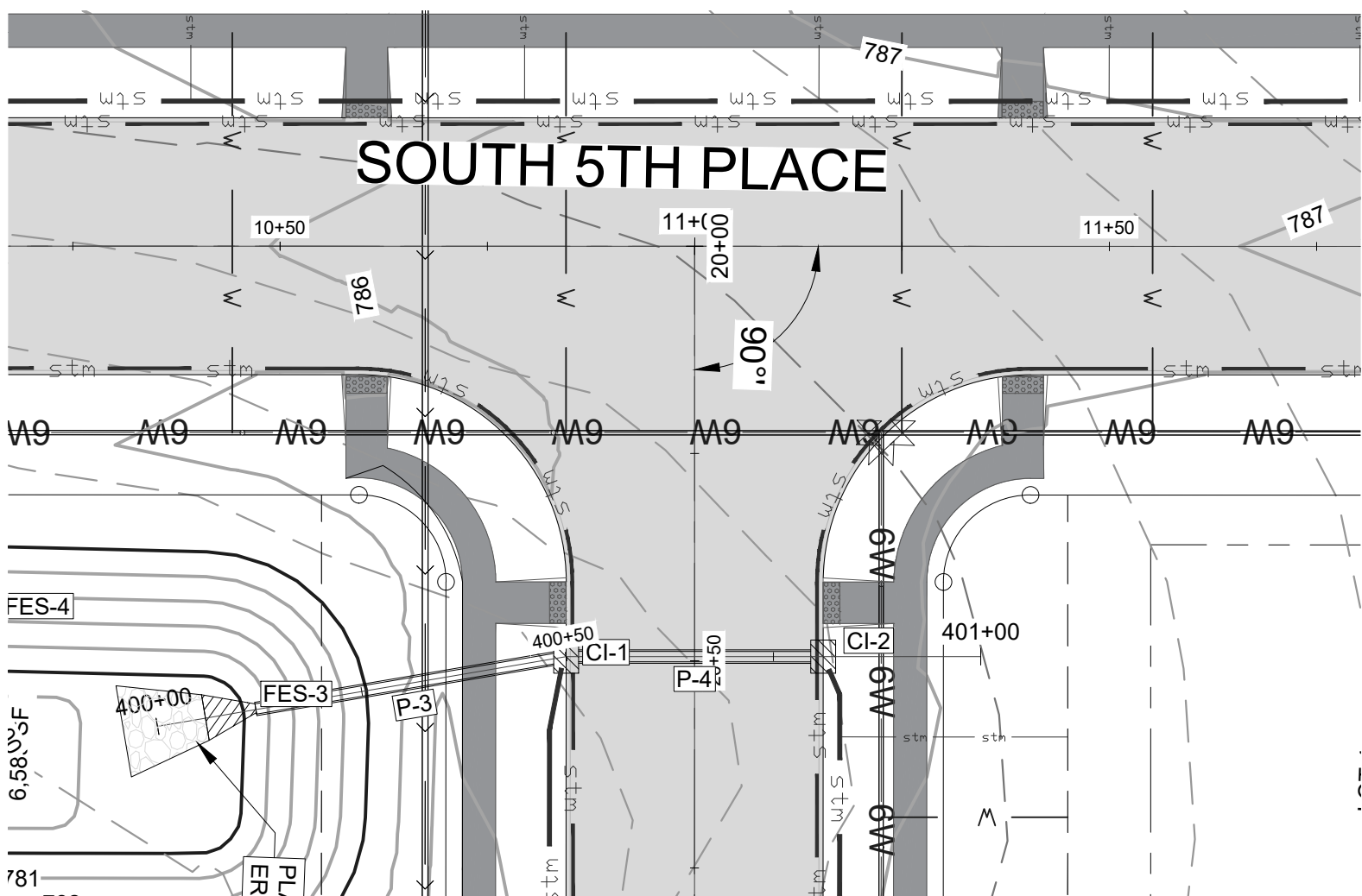
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(IN FEET)
1" = 20' (24x36)

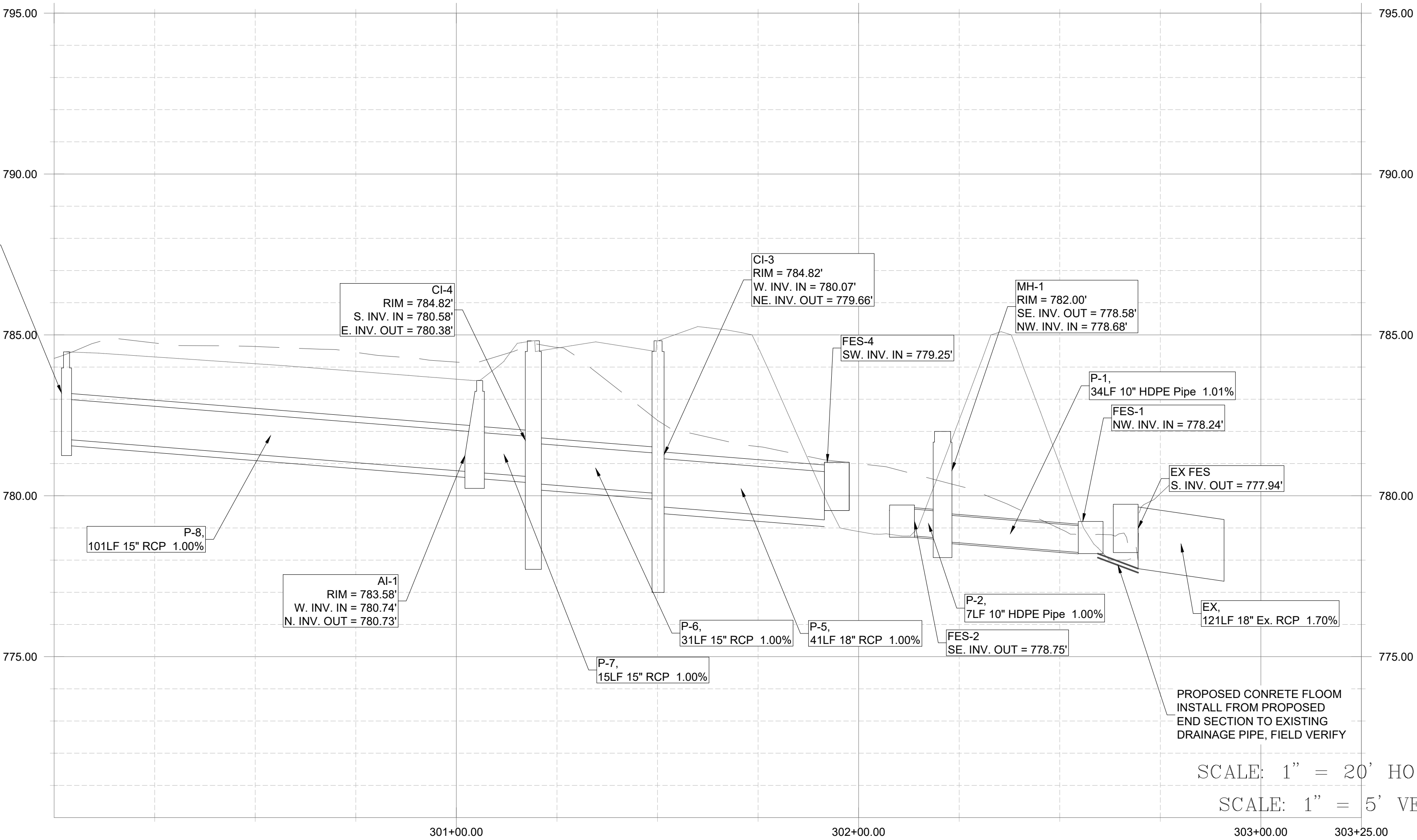
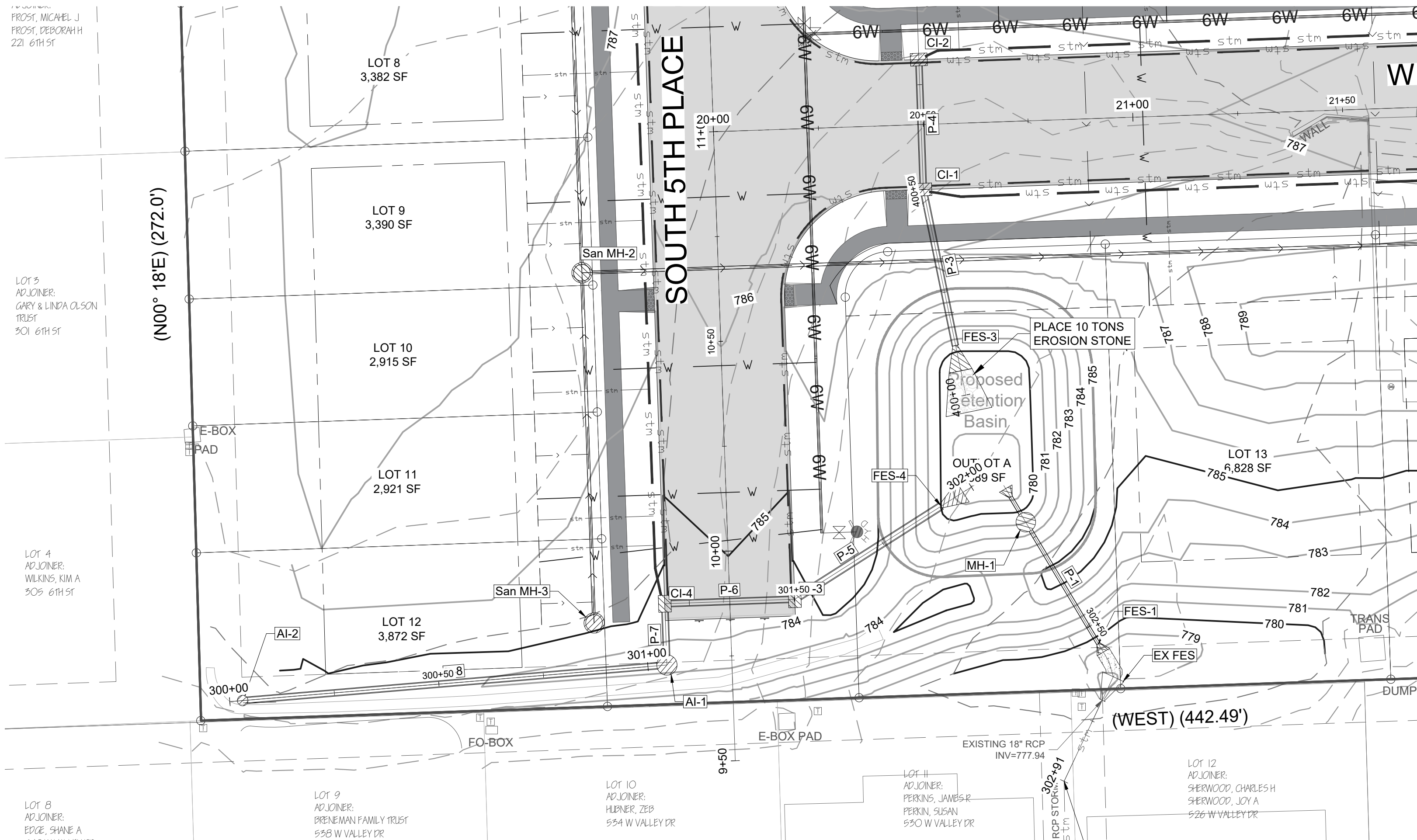


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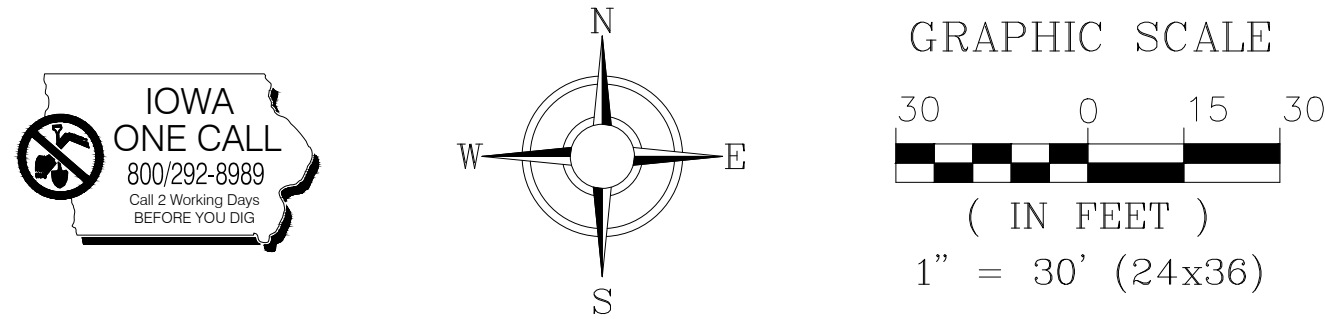
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SCALE: 1" = 5' VERTICAL



SCALE: 1" = 20' HORIZONTAL
SCALE: 1" = 5' VERTICAL

EROSION CONTROL PLAN

NORTH SCOTT SCHOOL DISTRICT
LANCERS RUN SUBDIVISION
TO THE CITY OF ELDRIDGE, IA



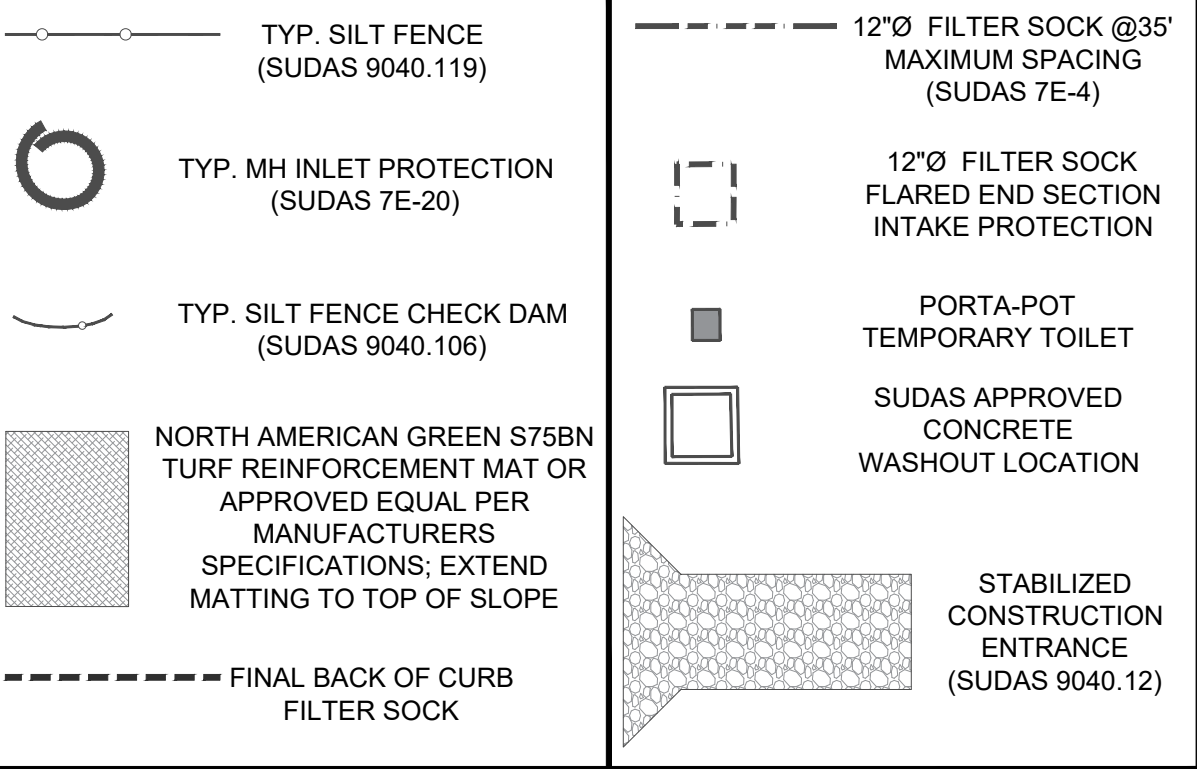
EROSION CONTROL NOTES:

- THIS PROJECT WILL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS FOR THE CITY OF ELDRIDGE AND THE IOWA DEPARTMENT NATURAL RESOURCES, LATEST EDITIONS.
- ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL CONFORM TO THE IOWA CONSTRUCTION SITE EROSION CONTROL MANUAL, LATEST EDITION.
- THE EROSION AND SEDIMENTATION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIRED. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY GRADING OPERATIONS. PRESERVE EXISTING VEGETATION WHEN POSSIBLE BY DISTURBING THE SMALLEST POSSIBLE AREA DURING CONSTRUCTION.
- ALL STORM SEWER FACILITIES THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY FABRIC OR GRAVEL FILTERS OR OTHERWISE MAINTAINED TO REMOVE SEDIMENT.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR INSPECTION AND REPAIR DURING CONSTRUCTION. THE OWNERS WILL BE RESPONSIBLE IF EROSION CONTROL IS REQUIRED AFTER THE CONTRACTOR HAS COMPLETED THE PROJECT.
- STOCK PILES SHALL BE LOCATED AWAY FROM ANY ROADS, OPEN DITCHES, STORM SEWER OR WATERWAYS. STOCK PILES SHALL BE IMMEDIATELY PROTECTED WITH TEMPORARY SEEDING IF NOT SCHEDULED TO BE USED WITHIN 14 DAYS. SILT FENCES SHALL BE INSTALLED AS NEEDED IMMEDIATELY AFTER SOIL IS STOCK PILED.
- TOTAL AREA DISTURBED DURING GRADING OPERATIONS = ±2.61 ACRES. AN NPDES PERMIT No. 2 WILL BE REQUIRED PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.
- TEMPORARY SEEDING OF ALL DISTURBED AREAS SHALL BE DONE IMMEDIATELY AFTER THE COMPLETION OF SITE GRADING OPERATIONS. IF CONSTRUCTION ACTIVITIES ARE NOT PLANNED OR SUSPENDED FOR AT LEAST 14 DAYS, THE AREA SHALL BE IMMEDIATELY STABILIZED BY TEMPORARY SEEDING AND MULCHING. FAST GERMINATING GRASSES SHALL BE USED FOR TEMPORARY SEEDING (SEE TABLE "A").

TABLE "A" - TEMPORARY SEEDING SPECIES, RATES AND DATES

SPECIES	POUNDS PER ACRE	POUNDS PER 1000 S.F.	SEEDING DATES
OATS	90	90	EARLY SPRING - JULY 1
CEREAL RYE	90	90	EARLY SPRING - SEPT. 30
WHEAT	90	90	EARLY SPRING - SEPT. 30
PERENNIAL RYE GRASS	25	25	EARLY SPRING - SEPT. 30
10. PERMANENT SEEDING MIXTURE:			
ALTA FESCUE	50 LBS/ACRE		
PERENNIAL RYE GRASS	30 LBS/ACRE		
CREeping RED FESCUE	20 LBS/ACRE		
OATS, SPRING	48 LBS/ACRE		
11. WHEN SEEDINGS ARE MADE ON CRITICAL OR ADVERSE SOIL CONDITIONS, MULCH MATERIAL WILL BE APPLIED IMMEDIATELY AFTER SEEDING. SHOULD SEEDING BE MADE DURING OPTIMUM SEEDING DATES AND WITH FAVORABLE SOILS ON VERY FLAT AREAS MAY NOT NEED TO BE MULCHED.			
12. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AND DISPOSED OF WHEN THEY HAVE SERVED THEIR USEFULNESS, BUT NOT BEFORE THE UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED.			
13. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CLEANED OR REPLACED WHEN THEY HAVE LOST 50% OF THEIR CAPACITY.			
14. SEDIMENT CLEANUP SHALL BE PERFORMED AT THE END OF EACH CONSTRUCTION DAY TO REMOVE SEDIMENTS FROM EXISTING PAVEMENT. STABILIZATION STONE CONSTRUCTION ENTRANCES MAY BE REQUIRED TO PREVENT OFFSITE TRACKING OF SEDIMENTS AND DUST DURING CONSTRUCTION. THICKNESS SHALL BE 6 INCHES OR GREATER, WIDTH SHALL BE A MINIMUM OF 14 FEET, AND LENGTH SHALL BE A MINIMUM OF 50 FEET. DUST CONTROL MEASURES SUCH AS IRRIGATION MAY ALSO BE REQUIRED.			
15. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED WEEKLY TO LOCATE DAMAGE AND CONDUCT MAINTENANCE OPERATIONS.			
16. THE CONTRACTOR AND EACH SUBCONTRACTOR RESPONSIBLE FOR WATER POLLUTION CONTROL SHALL DESIGNATE, PRIOR TO BEGINNING CONSTRUCTION, A PERSON OR PERSONS WHO CAN BE CONTACTED IN AN EMERGENCY INVOLVING THEIR WATER POLLUTION CONTROL ITEMS. THESE DESIGNATED PEOPLE SHALL BE AVAILABLE TO REPAIR AND MAINTAIN WATER POLLUTION CONTROL DEVICES ON A 24-HOUR PER DAY BASIS.			
17. THE LOCATION OF CONSTRUCTION PARKING, EQUIPMENT & MATERIAL STORAGE, HAZARDOUS MATERIAL/CHEMICAL STORAGE, SANITARY FACILITIES, JOB TRAILER, AND SNOW STOCKPILES SHALL BE INDICATED ON THE EROSION CONTROL PLAN AND SWPPP DOCUMENTS BY THE ONSITE MANAGER WHEN THE LOCATION BECOMES KNOWN.			
18. BACK OF CURB PROTECTION MUST BE ADDED AS NEEDED THROUGHOUT THE SUBDIVISION DEVELOPMENT AND HOME BUILDING ACTIVITIES.			

EROSION CONTROL LEGEND:



TOWNSENDENGINEERING

CIVIL • STRUCTURAL • LAND DEVELOPMENT

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2224 East 12th Street, Davenport, IA 52803

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7/08/2025

PROJECT

EROSION CONTROL PLAN
LANCERS RUN SUBDIVISION
208 5TH STREET
ELDRIDGE, IA 52748

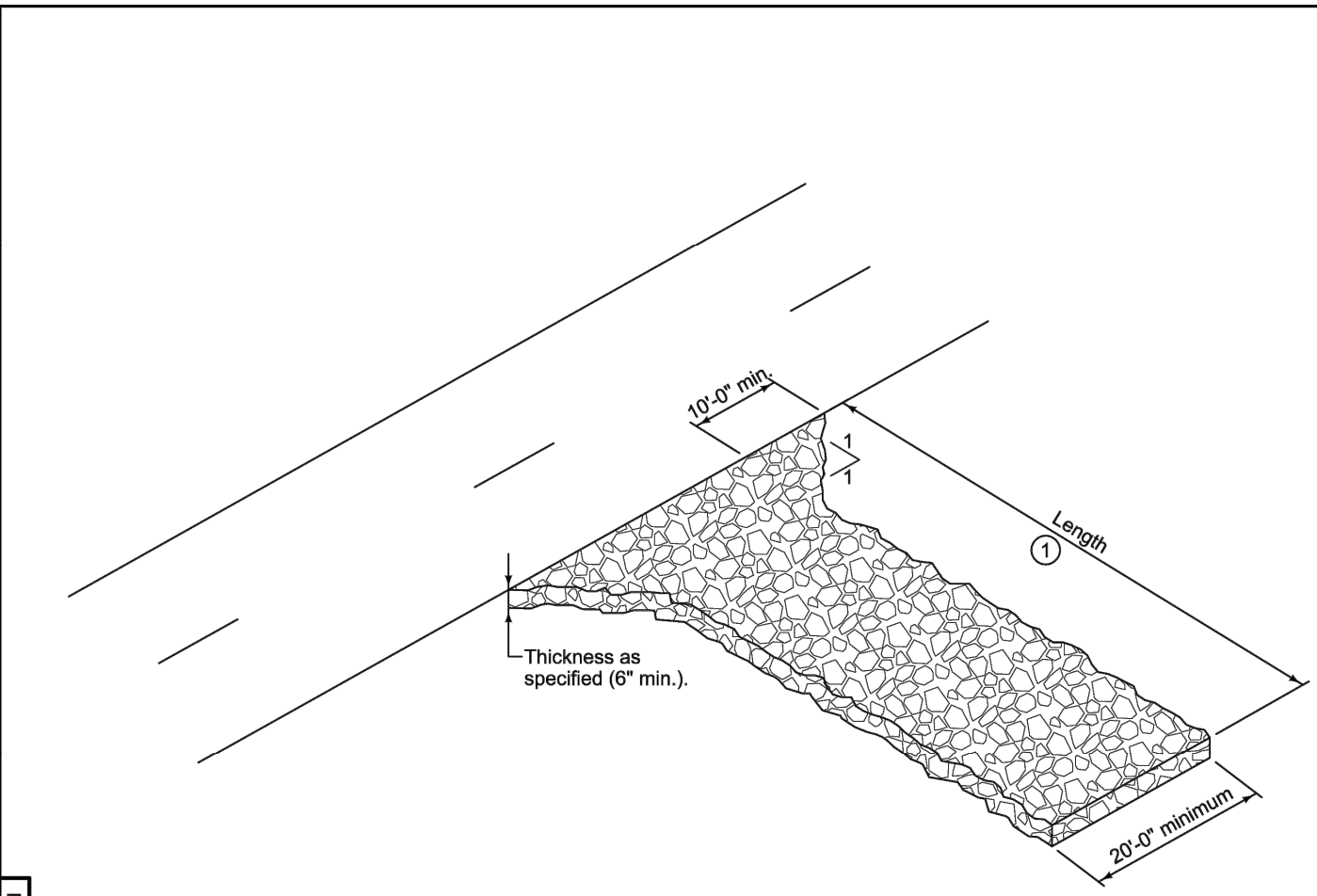
DEVELOPER

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200 S 1ST STREET
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SHEET NO.

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NORTH SCOTT SCHOOL DISTRICT
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TO THE CITY OF ELDRIDGE, IA



- ① Entrance length: 50 foot minimum (30 foot for single family residential), or as specified in the contract documents. Length of entrance may be increased if sediment track-out occurs.



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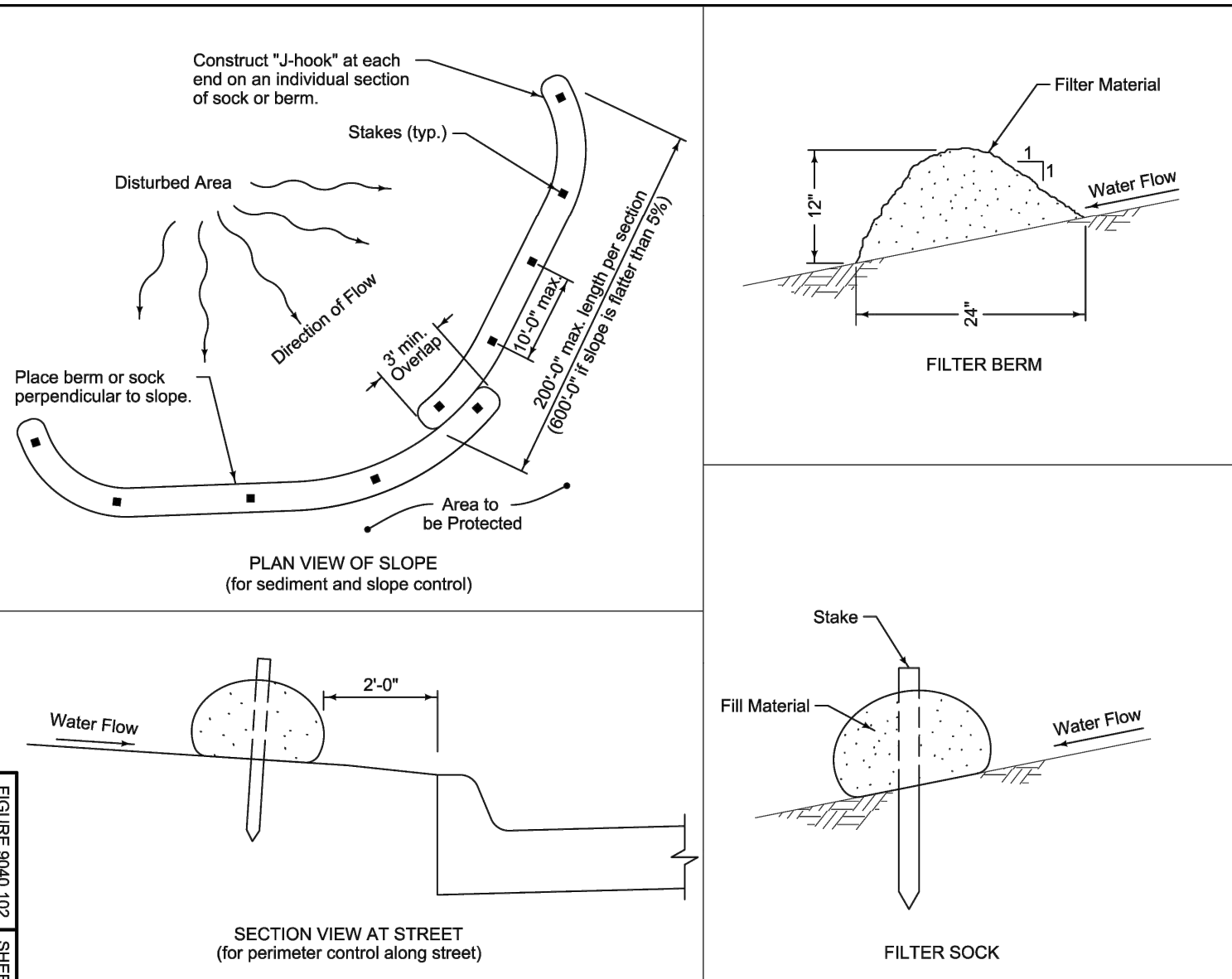
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SHEET 1 OF 1

SUDAS Standard Specifications

STABILIZED CONSTRUCTION ENTRANCE



TYPICAL PLACEMENT OF BERM OR SOCK

Berm shown is typical for slopes flatter than 3:1. For steeper slopes, increase berm size as directed by the Engineer.

Place berm in uncompacted windrow perpendicular to the slope at locations specified in the contract documents.

Filter sock diameter as specified in the contract documents.



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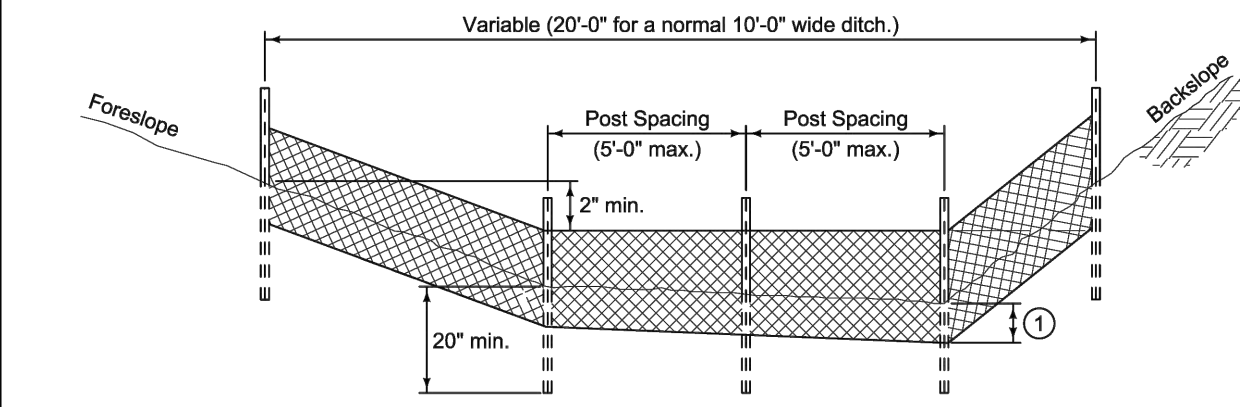
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SHEET 1 OF 1

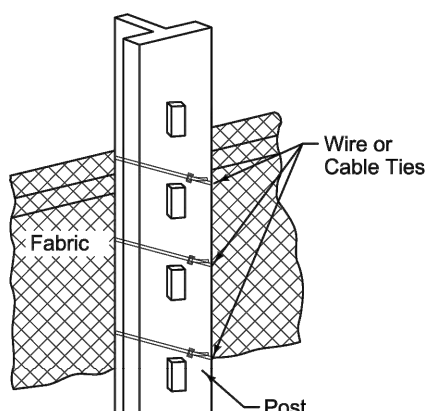
SUDAS Standard Specifications

FILTER BERM AND FILTER SOCK



TYPICAL SILT FENCE DITCH CHECK

- ① Insert 12 inches of fabric a minimum of 6 inches deep (fabric may be folded below the ground line).



ATTACHMENT TO POST



REVISION

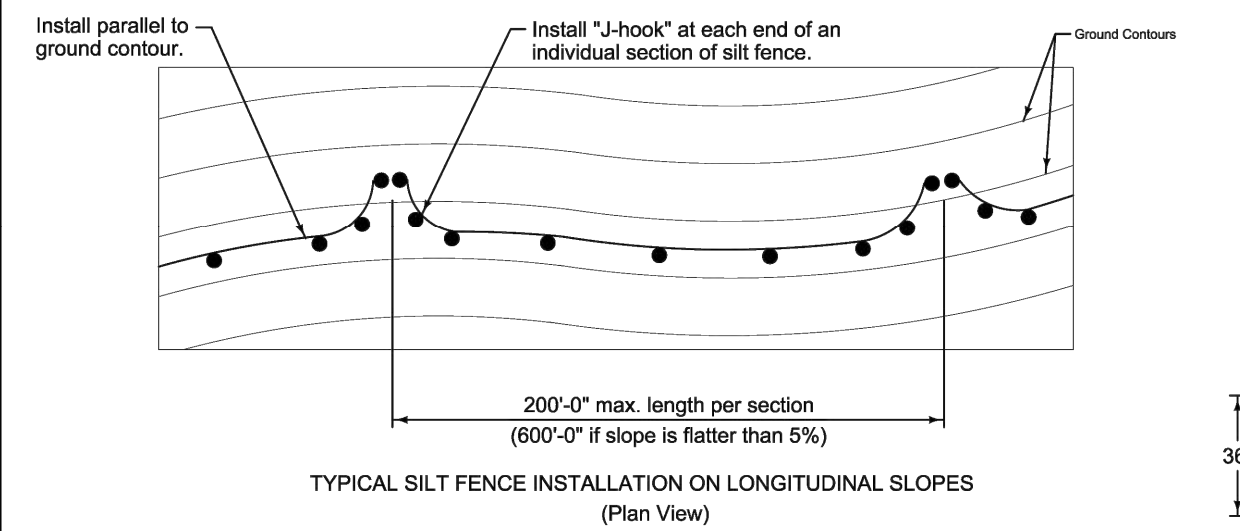
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SHEET 1 OF 2

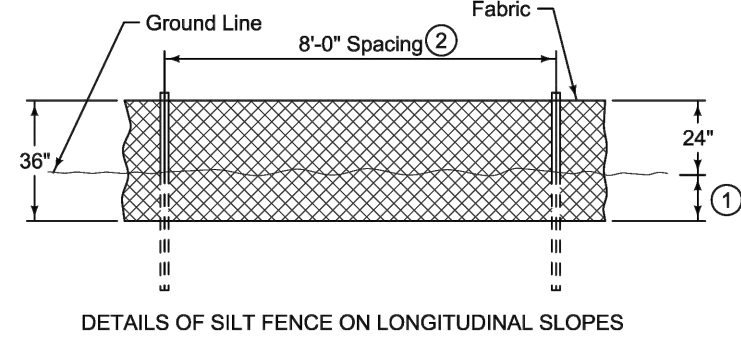
SUDAS Standard Specifications

SILT FENCE

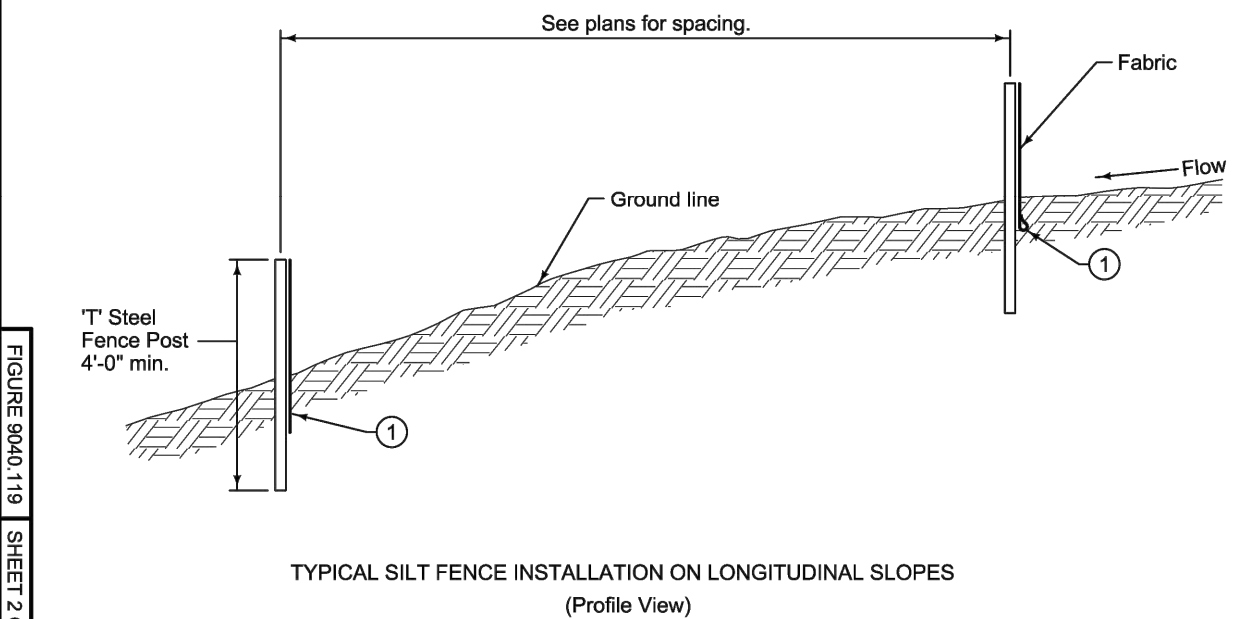


TYPICAL SILT FENCE INSTALLATION ON LONGITUDINAL SLOPES (Plan View)

- ① Insert 12 inches of fabric a minimum of 6 inches deep (fabric may be folded below the ground line).
- ② Reduce post spacing to 5'-0" at water concentration areas, or as required to adequately support fence.



DETAILS OF SILT FENCE ON LONGITUDINAL SLOPES



TYPICAL SILT FENCE INSTALLATION ON LONGITUDINAL SLOPES (Profile View)



REVISION

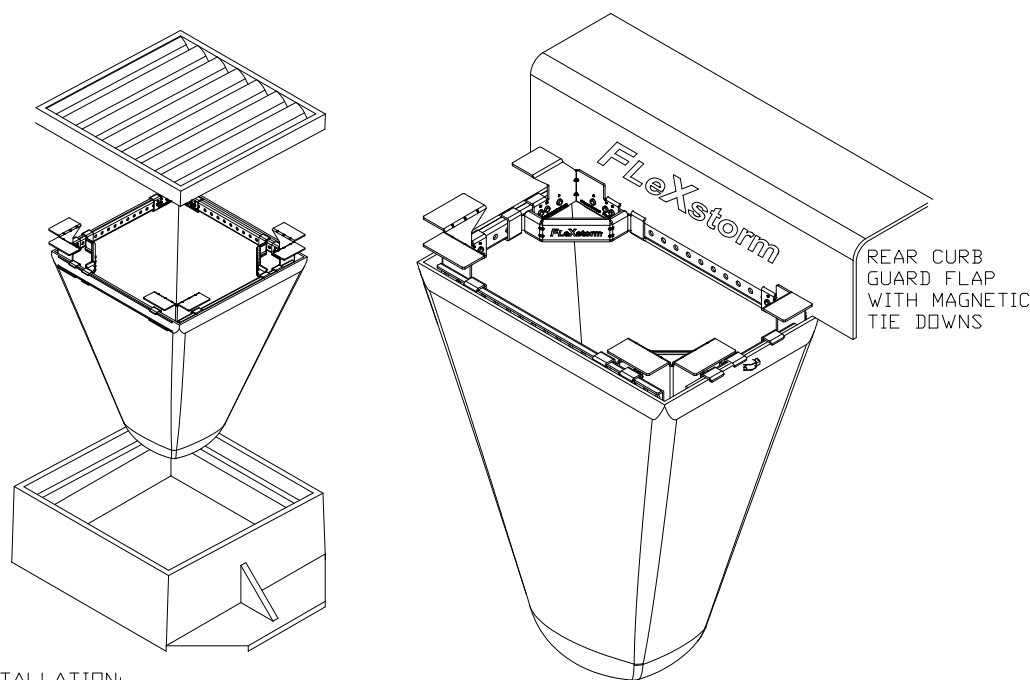
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SHEET 2 OF 2

SUDAS Standard Specifications

SILT FENCE



OPTIONAL INLET PROTECTION

OPTIONAL INLET PROTECTION

ADDITIONAL EROSION CONTROL NOTES:

- ALL SILT FENCE MUST BE INSTALLED BY THE CONTRACTOR AND INSPECTED BY THE CITY PRIOR TO ANY SITE WORK.
- SITE EROSION CONTROL MEASURES MUST BE IN PLACE AT ALL TIMES. SHOULD DEVICES BE REMOVED FOR WORK ACCESS, THEY SHALL BE REINSTALLED AT THE END OF EACH WORK DAY UNTIL PAVEMENTS HAVE BEEN INSTALLED AND ALL LANDSCAPE AREAS HAVE BEEN MULCHED AND SOODED. SEEDED AREAS MUST EXHIBIT MINIMUM OF 70% SOIL COVERAGE.
- REFER TO THE SWPPP PLAN NOTES AND DETAIL SHEETS FOR MORE INFORMATION.



Design Manual
Chapter 7 - Erosion and Sediment Control
7E - Design Information for ESC Measures

7E-20

Inlet Protection



Source: Soil Tek

BENEFITS

	L	M	H
Flow Control	☐	☐	☐
Erosion Control	☐	☐	☐
Sediment Control	☒	☐	☐
Runoff Reduction	☐	☐	☐
Flow Diversion	☐	☐	☐

Description: Inlet protection devices consist of a variety of manufactured sediment barriers and products, which are used to filter runoff before it enters the storm sewer system.

Typical Uses: Inlet protection is considered the last line of protection against releasing sediment into the stormwater system or a water body. Inlet protection should be considered around all stormwater intakes and culverts that accept runoff from disturbed areas.

Advantages:

- Provide one last opportunity to remove suspended particles from stormwater runoff.
- Areas requiring protection are easy to identify during both planning and construction.

Limitations:

- Available practices are not effective at removing fine particles.
- May be used improperly as the sole method of erosion and sediment control.
- Require high level of maintenance.
- Limited to treating runoff from areas of 1 acre or less.

Longevity: Varies by product; until sediment accumulates and clean out is required

SUDAS Specifications: Refer to [Section 9040.2.18](#) and [3.24](#)

A. Description/Uses

Inlet protection can be provided by a variety of methods. A number of new manufactured products are currently available which claim to adequately filter runoff before it enters the storm sewer intake. The effectiveness of these products has yet to be determined.

The traditional method of providing inlet protection is to construct a filter at the opening. The filter is constructed from wire mesh or a steel plate, filter fabric, and crushed stone.

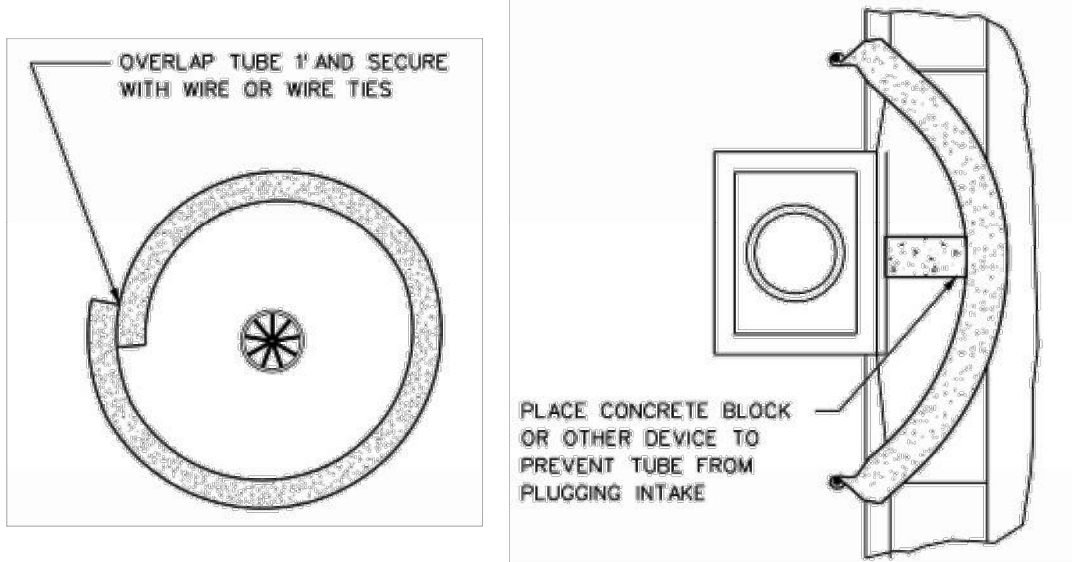
B. Design Considerations

Most inlet protection devices rely on filtering techniques or on ponding small volumes of water to remove suspended particles. In general, the only way to remove fine particles from suspension is to detain the runoff for an extended period of time. Because inlet protection devices do not have the ability to pond and store large volumes of water, they are generally considered ineffective at removing fine particles from suspension in runoff. However, they are the last line of protection against releasing sediment-laden runoff into a stormwater system or water body. In addition, they may provide some benefit by trapping a portion of the larger suspended particles.

Because of their relative inefficiency compared to other techniques, inlet protection devices should not be used on a project as the sole method of sediment removal.

The traditional method for providing inlet protection was to construct a filter at the opening. The filter was constructed from wire mesh, filter fabric, and crushed stone. Runoff flowing to the intake would percolate through the stone and filter fabric before entering the intake. This stone medium slowed the flow of water and filtered larger sediment particles from the water. Today, these methods have been replaced with alternative techniques and materials.

Figure 7E-20.01: Filter Tubes Used for Inlet Protection



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EROSION DETAILS
LANCERS RUN SUBDIVISION
208 5TH STREET
ELDRIDGE, IA 52748

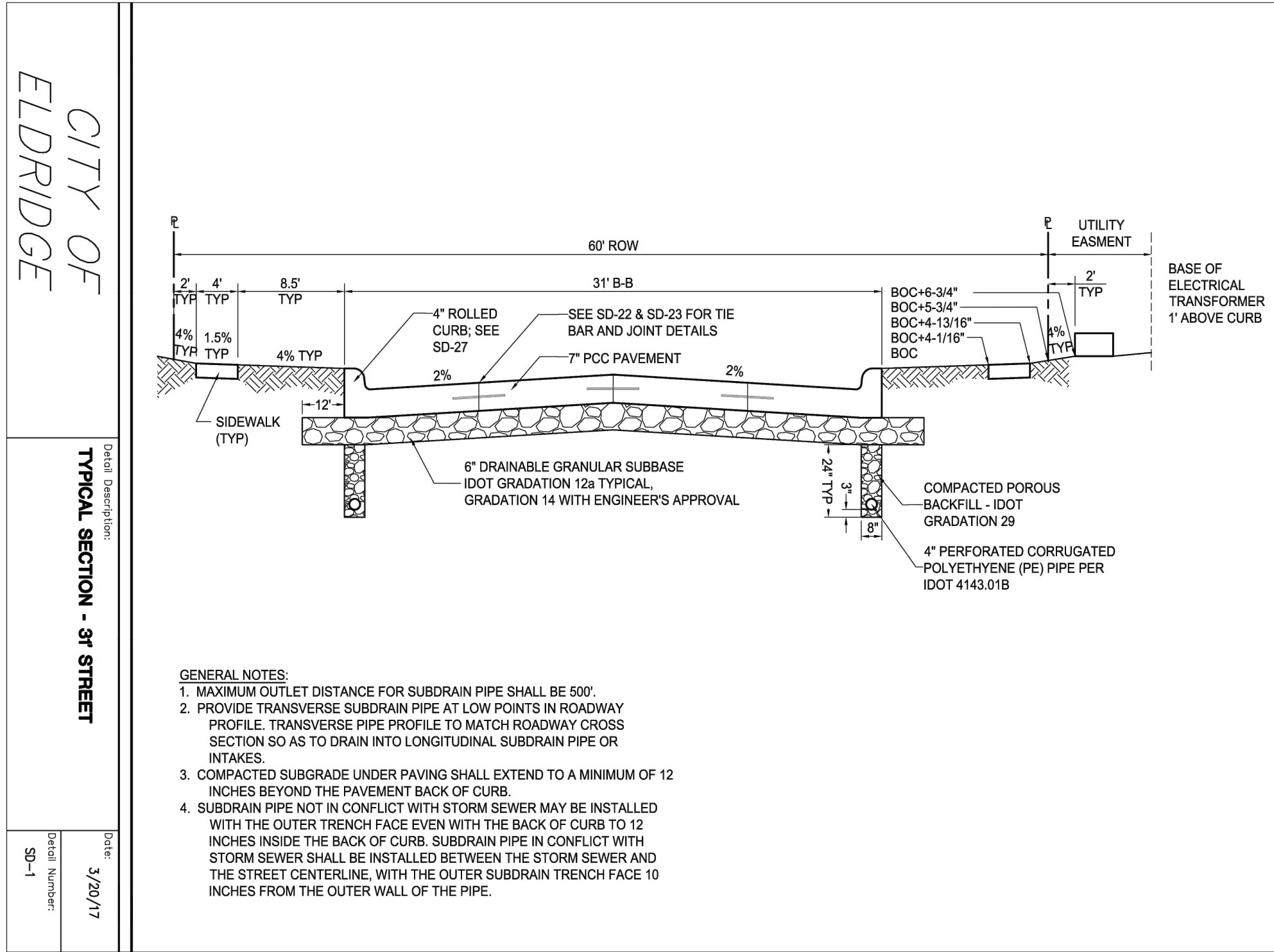
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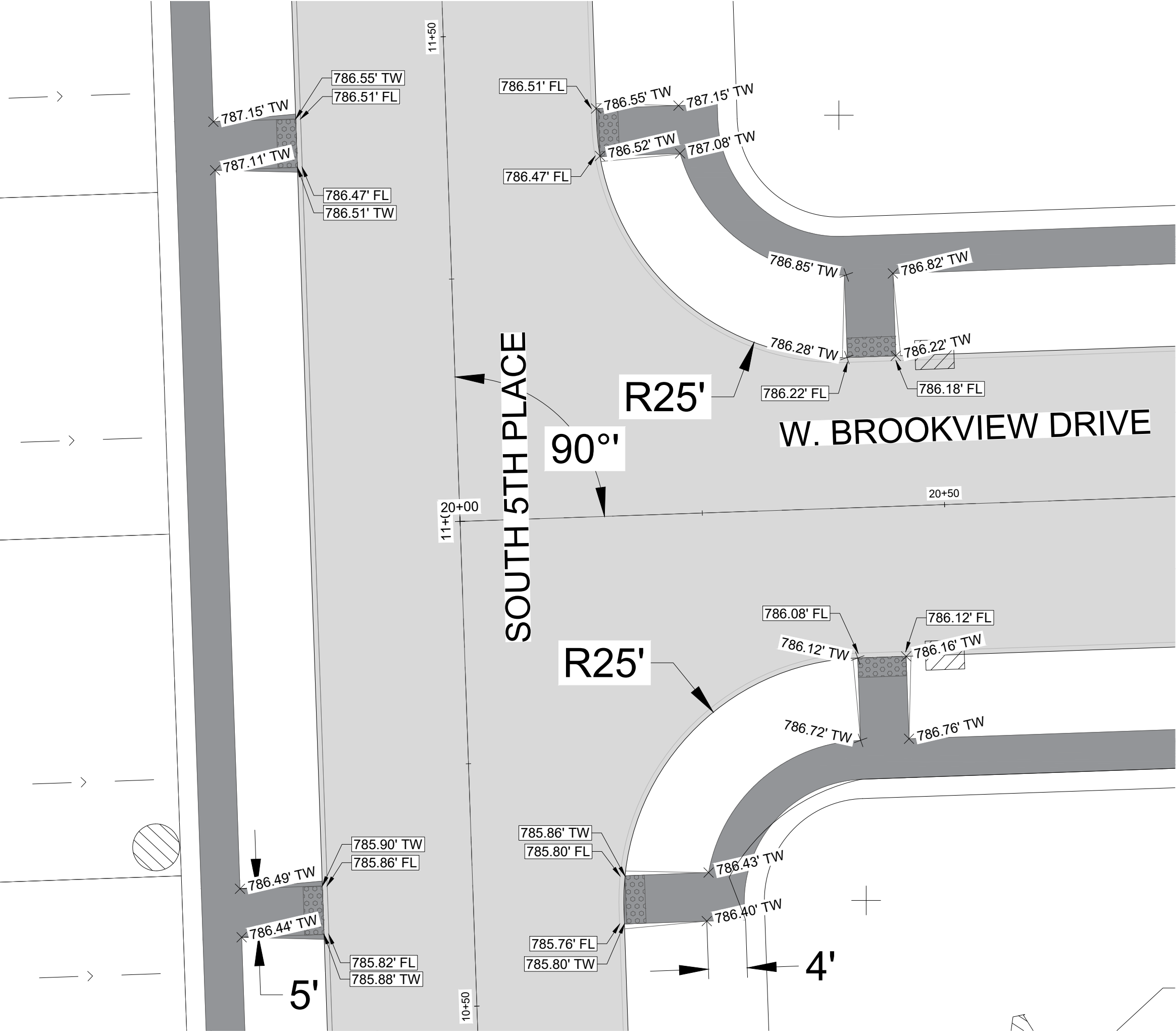
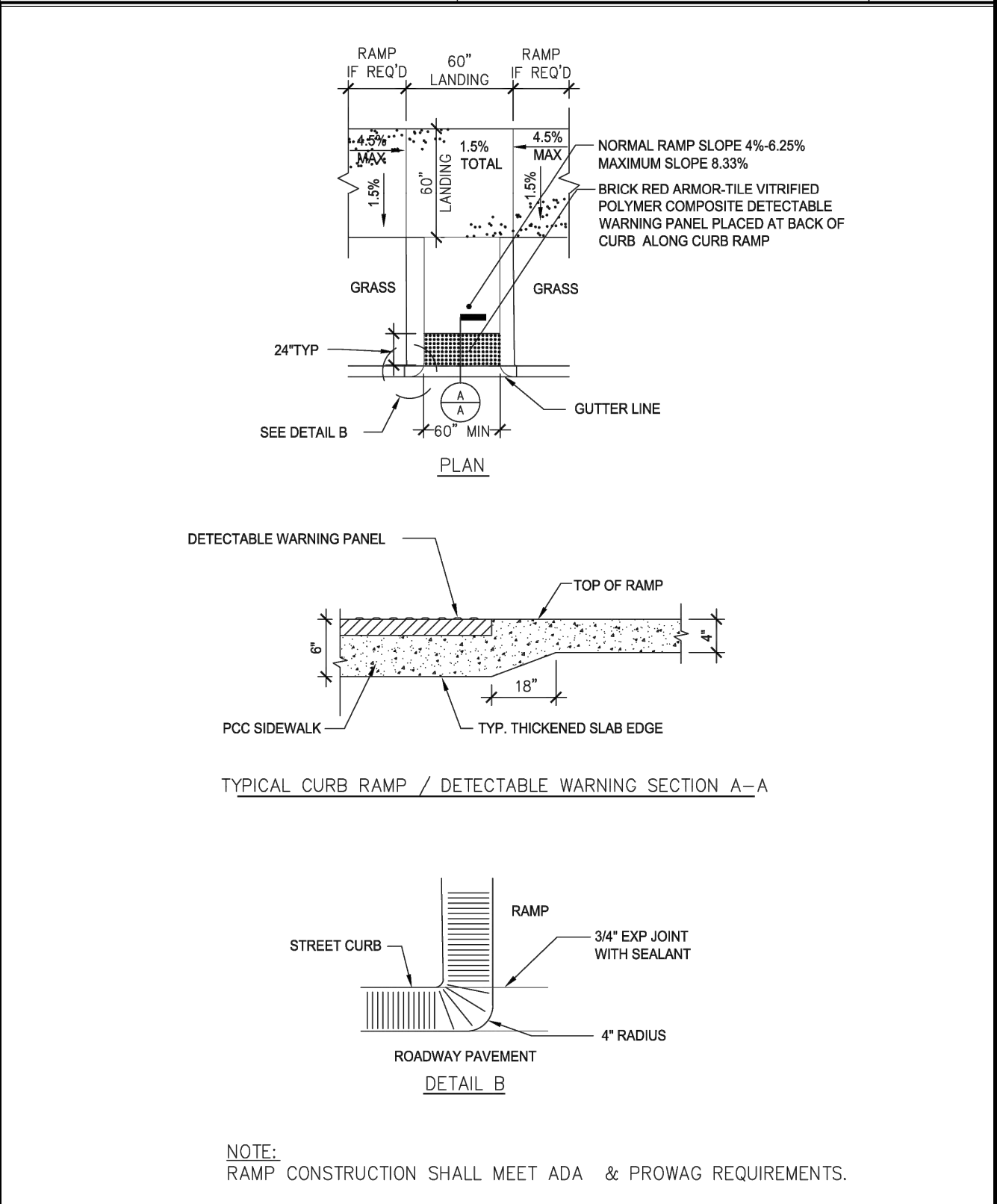
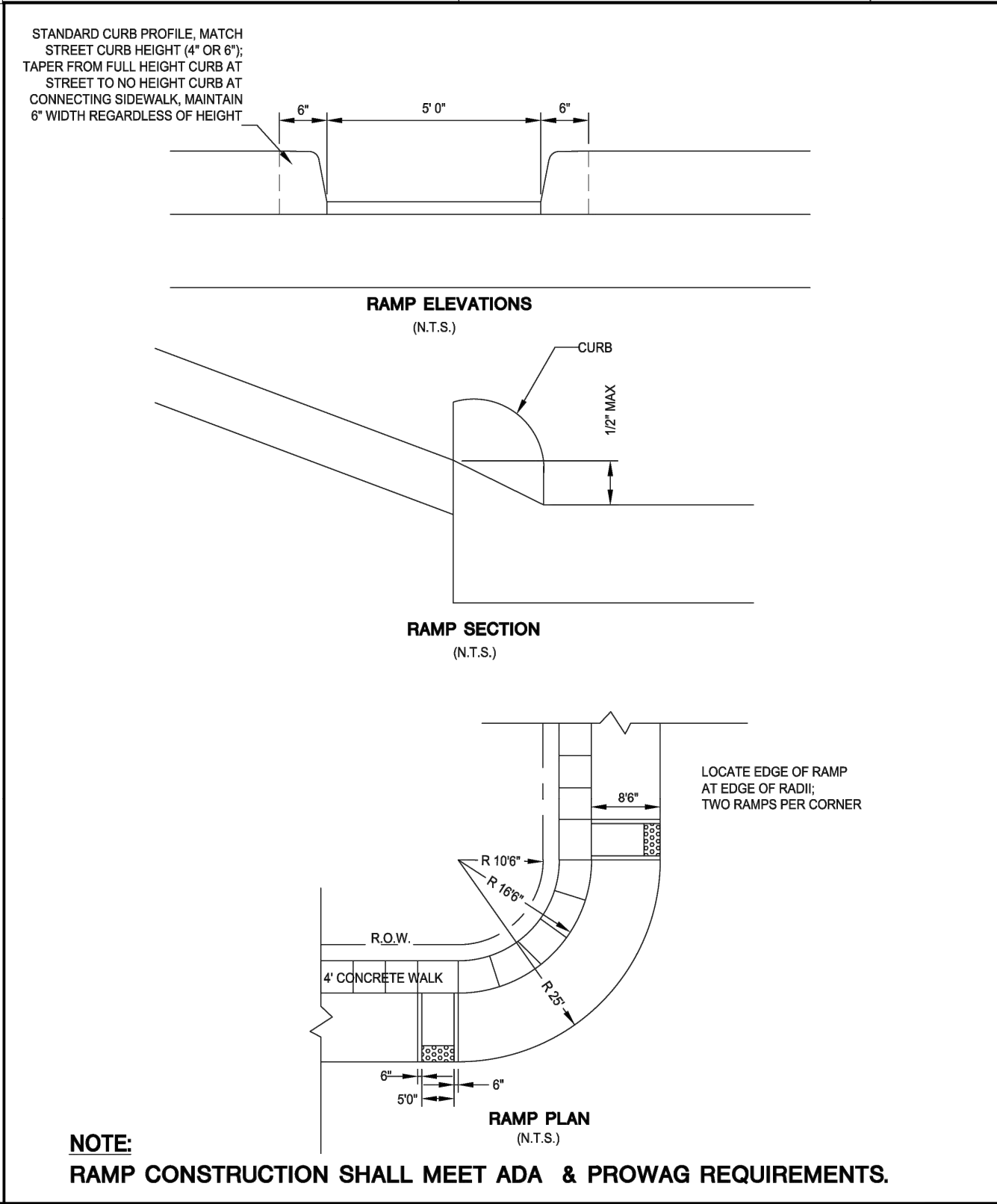
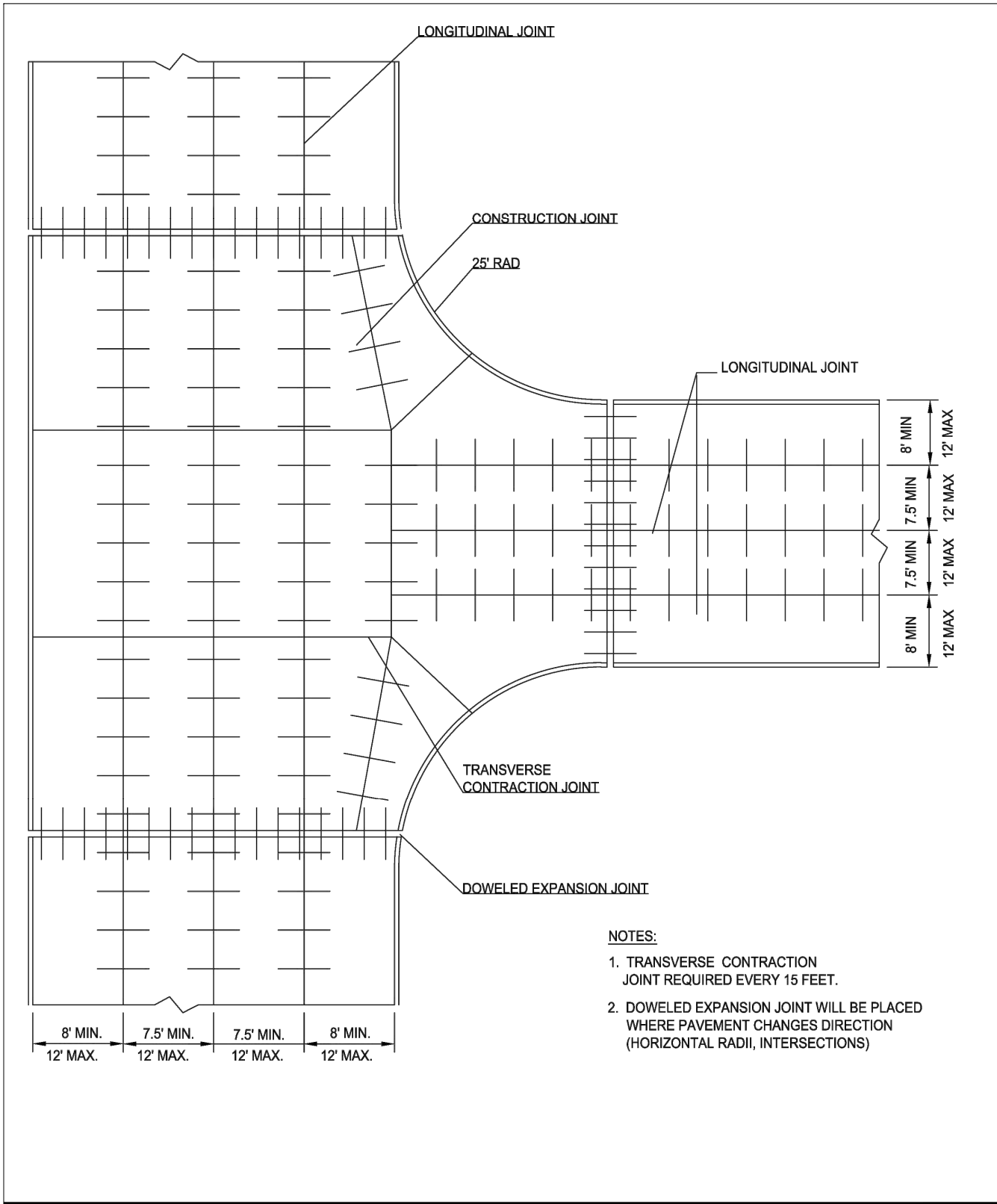
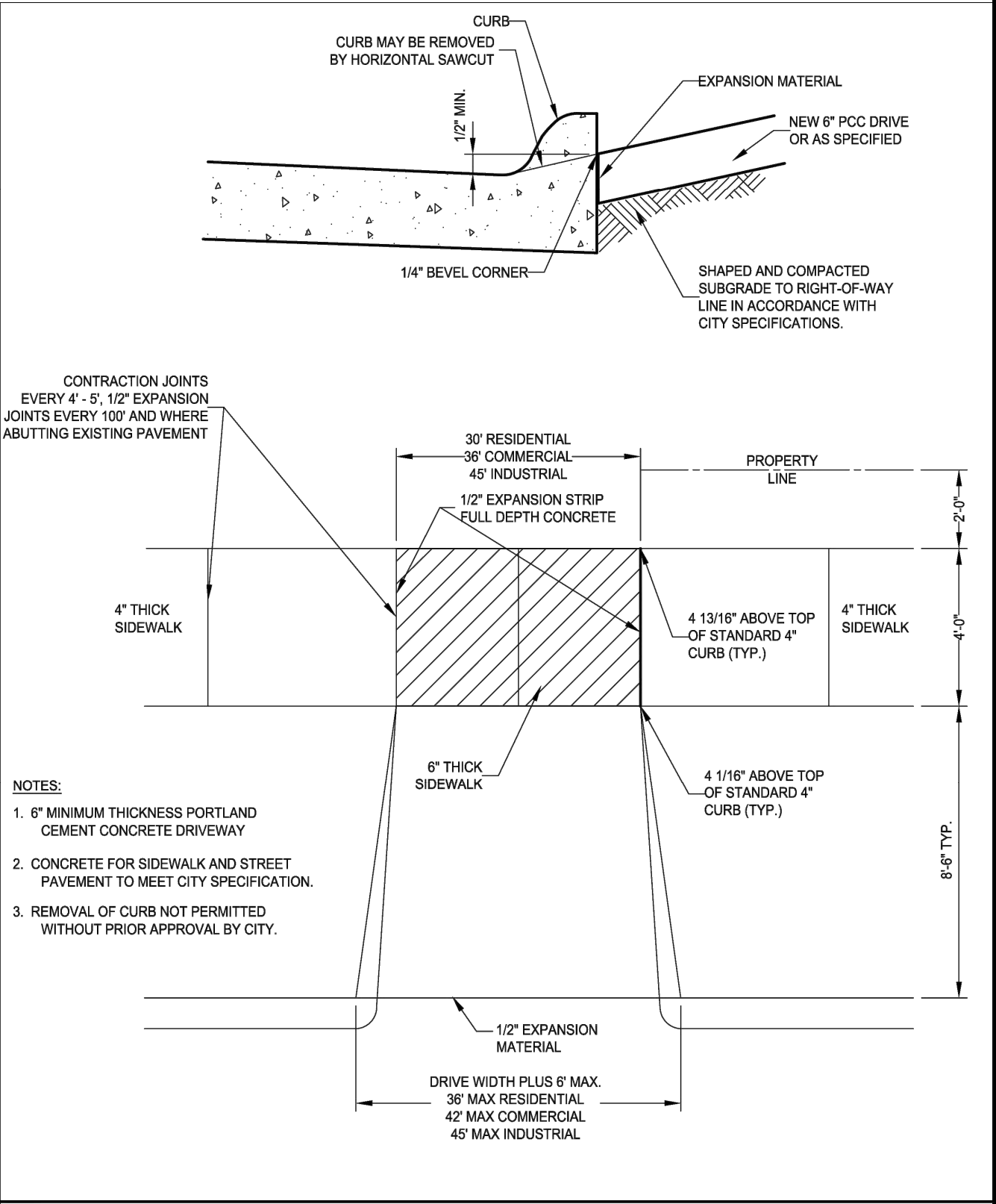
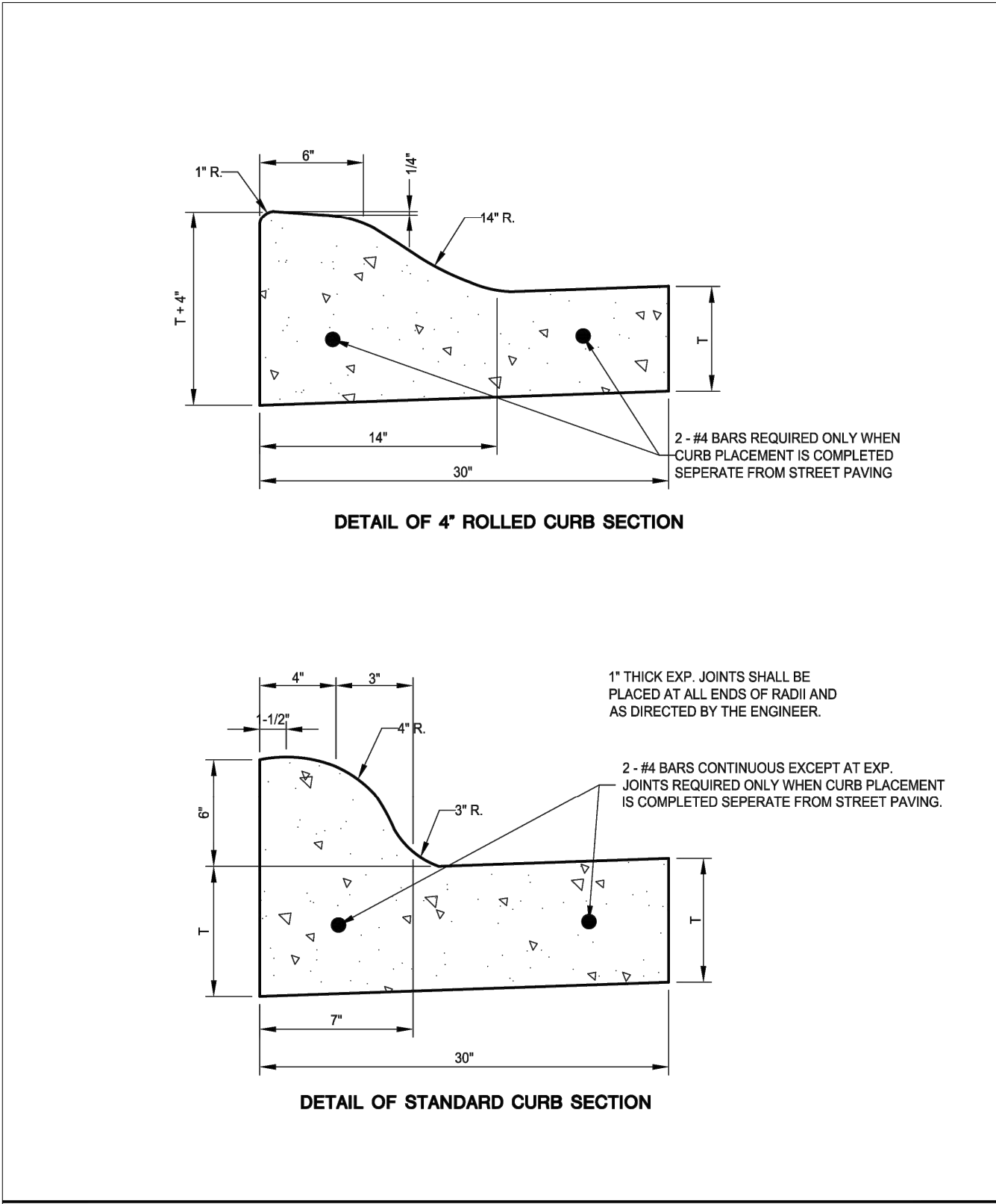
GRADING LEGEND	
000.00'EX	- EXISTING SURFACE
000.00'TS	- TOP SLAB
000.00'TW	- TOP WALK
000.00'TC	- TOP CURB
000.00'FG	- FINISHED GRADE



ROADWAY DETAILS

NORTH SCOTT SCHOOL DISTRICT LANCERS RUN SUBDIVISION

TO THE CITY OF ELDRIDGE, IA



TOWNSENDENGINEERING

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