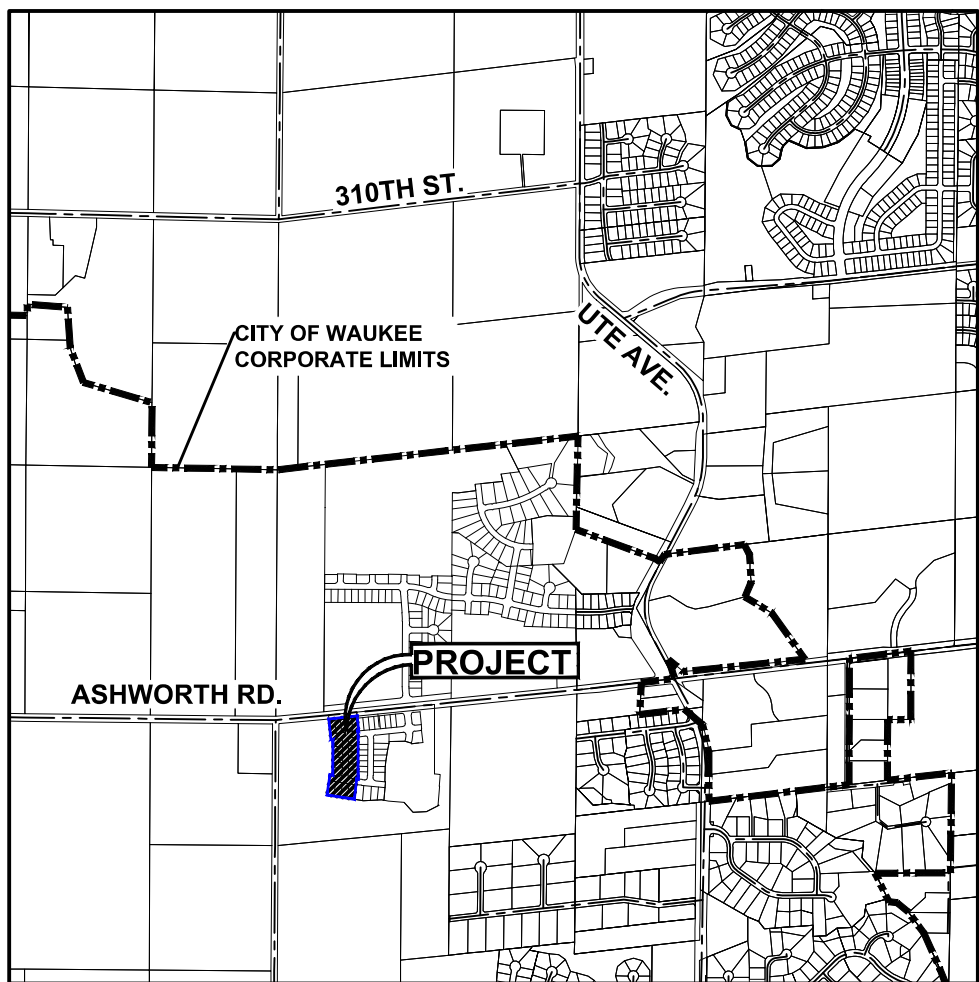


CONSTRUCTION PLANS FOR: HAMILTON RIDGE PLAT 2

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

HAMILTON RIDGE, LLC
CONTACT: BILL SPENCER
9550 HICKMAN ROAD, SUITE 100
CLIVE, IA 50325
PH: (515) 986-5994

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

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

DATE OF SURVEY:

APRIL 16, 2020

SUBMITTALS

FIRST SUBMITTAL: 11/10/2020
SECOND SUBMITTAL: 12/22/2020
THIRD SUBMITTAL: 01/19/2021
FINAL SUBMITTAL: 02/01/2021
AS-BUILT SUBMITTAL: 12/06/2021

BULK REGULATIONS

R-2: ONE- AND TWO- FAMILY RESIDENTIAL DISTRICT (LOTS 12-15)

FRONT YARD: 30 FEET
SIDE YARD: A TOTAL OF 15 FEET - ONE SIDE MAY BE REDUCED TO
NOT LESS THAN 7 FEET
REAR YARD: 30 FEET

PD-1: PLANNED UNIT DEVELOPMENT DISTRICT WITH UNDERLYING R-2:
ONE- AND TWO- FAMILY RESIDENTIAL DISTRICT (LOTS 1-11 AND
16-21)

FRONT YARD: 25 FEET
SIDE YARD: A TOTAL OF 10 FEET - MINIMUM OF 5 FEET EACH SIDE
REAR YARD: 25 FEET

BENCHMARKS

DALLAS COUNTY BM# G121, EAST SIDE OF R16 0.1 MILE SOUTH OF 300TH
STREET.
ELEVATION=1032.82

BURY BOLT ON HYDRANT @ NW CORNER OF DAYBREAK DRIVE & CREST
RIDGE DRIVE.
ELEVATION=1023.95

CONSTRUCTION SCHEDULE

FALL 2020 - SUMMER 2021

DEVELOPMENT SUMMARY

TOTAL AREA OF PLAT 2 = 5.06 ACRES (220,462 SF)

R-2 RESIDENTIAL = 1.16 ACRES (50,688 SF)
-LOTS 12-15

PD-1 RESIDENTIAL = 3.90 ACRES (169,774 SF)
-LOTS 1-11, 16-21

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 ASHWORTH ROAD. IF ASHWORTH ROAD IS CLOSED DURING CONSTRUCTION, THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING A SIGNED DETOUR ROUTE. 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
8-11	STORM & SANITARY SEWER PLAN AND PROFILE
12-14	WATER MAIN PLAN AND PROFILE
15	INTERSECTION DETAILS

LEGAL DESCRIPTION

A PART OF PARCEL '2020-69' AS SHOWN ON THE PLAT OF SURVEY RECORDED IN BOOK 2020, PAGE 23365, BEING A PART OF THE NORTHWEST FRACTIONAL QUARTER OF THE NORTHEAST QUARTER OF SECTION 7, TOWNSHIP 78 NORTH, RANGE 26 WEST OF THE FIFTH PRINCIPAL MERIDIAN IN THE CITY OF WAUKEE, DALLAS COUNTY, IOWA AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 7; THENCE NORTH 84°11'21" EAST ALONG THE NORTH LINE OF SAID NORTHWEST FRACTIONAL QUARTER, 549.48 FEET TO THE POINT OF BEGINNING; THENCE CONTINUING NORTH 84°11'21" EAST ALONG SAID NORTHERLY LINE, 292.50 FEET; THENCE SOUTH 05°48'31" EAST, 195.02 FEET; THENCE SOUTH 84°11'29" WEST, 11.36 FEET; THENCE SOUTH 05°48'31" EAST, 60.00 FEET; THENCE SOUTH 00°17'09" WEST, 437.35 FEET; THENCE WESTERLY ALONG A CURVE CONCAVE NORTHERLY WHOSE RADIUS IS 970.00 FEET, WHOSE ARC LENGTH IS 12.86 FEET AND WHOSE CHORD BEARS NORTH 82°02'50" WEST, 12.86 FEET; THENCE SOUTH 06°58'59" WEST, 210.09 FEET; THENCE NORTH 80°44'12" WEST, 286.10 FEET; THENCE NORTH 08°56'12" EAST, 208.28 FEET; THENCE SOUTH 81°03'48" EAST, 28.84 FEET; THENCE NORTH 00°17'09" EAST, 370.31 FEET; THENCE SOUTH 84°11'29" WEST, 19.66 FEET; THENCE NORTH 05°48'31" WEST, 255.01 FEET TO THE POINT OF BEGINNING AND CONTAINING 5.46 ACRES (238,013 SQUARE FEET). THE PROPERTY IS SUBJECT TO ANY AND ALL EASEMENTS OF RECORD.

UTILITY WARNING

THE 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.

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.

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	-----8"S-----
SANITARY SERVICE	-----S-----S-----S-----
STORM SEWER	-----ST-----ST-----ST-----
STORM SERVICE	-----ST-----ST-----ST-----
WATERMAIN WITH SIZE	-----8"W-----
WATER SERVICE	-----W-----W-----W-----
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	-----TV-----TV-----
GAS MAIN	-----G-----G-----
FIBER OPTIC	-----FO-----FO-----
UNDERGROUND TELEPHONE	-----T-----T-----
OVERHEAD ELECTRIC	-----OE-----OE-----
UNDERGROUND ELECTRIC	-----E-----E-----
FIELD TILE	-----TLE-----
SANITARY SEWER W/ SIZE	-----8"S-----
STORM SEWER W/ SIZE	-----15" RCP-----
WATER MAIN W/ SIZE	-----8"W-----

ALL CONSTRUCTION SHALL CONFORM TO THE PROJECT SPECIFICATIONS AND THE SOILS REPORT PREPARED BY CONSTRUCTION MATERIALS TESTING (CMT).

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

ERIN K. OLLENDIKE, P.E.

12-06-2021

DATE

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

SHEETS 1-15



CIVIL DESIGN ADVANTAGE

3405 SE CROSSROADS DR. SUITE G GRIMES, IOWA 50111

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

PROJECT NO. 2009.484

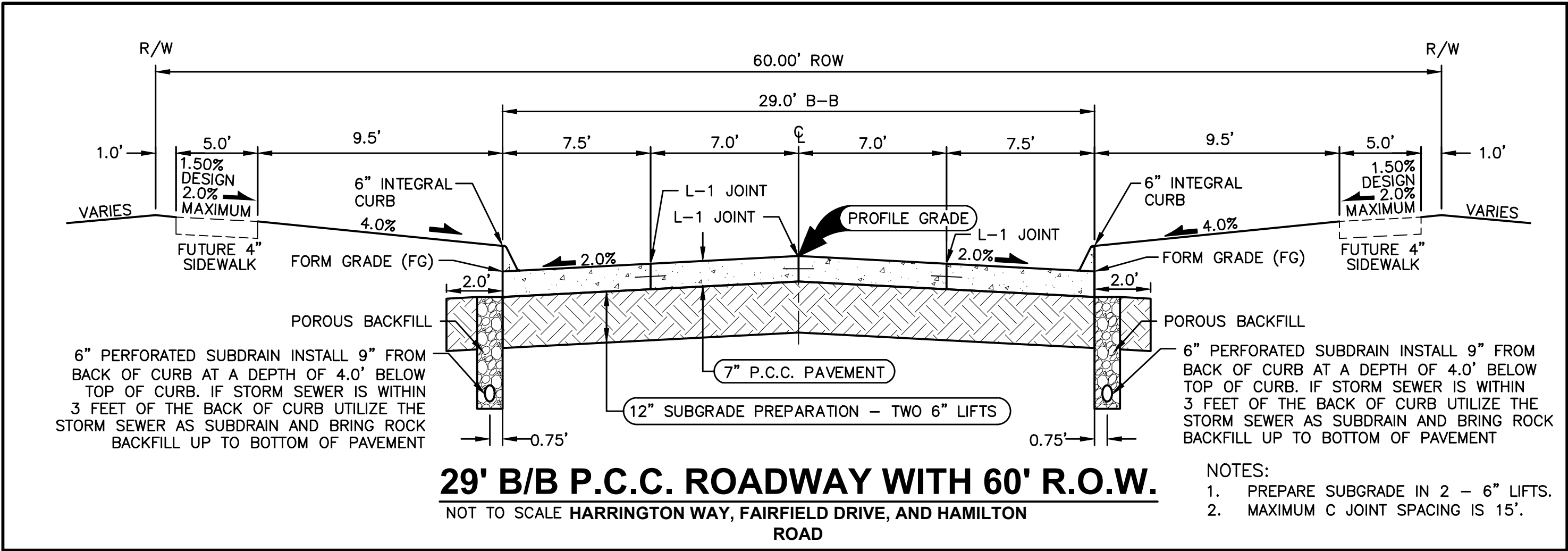
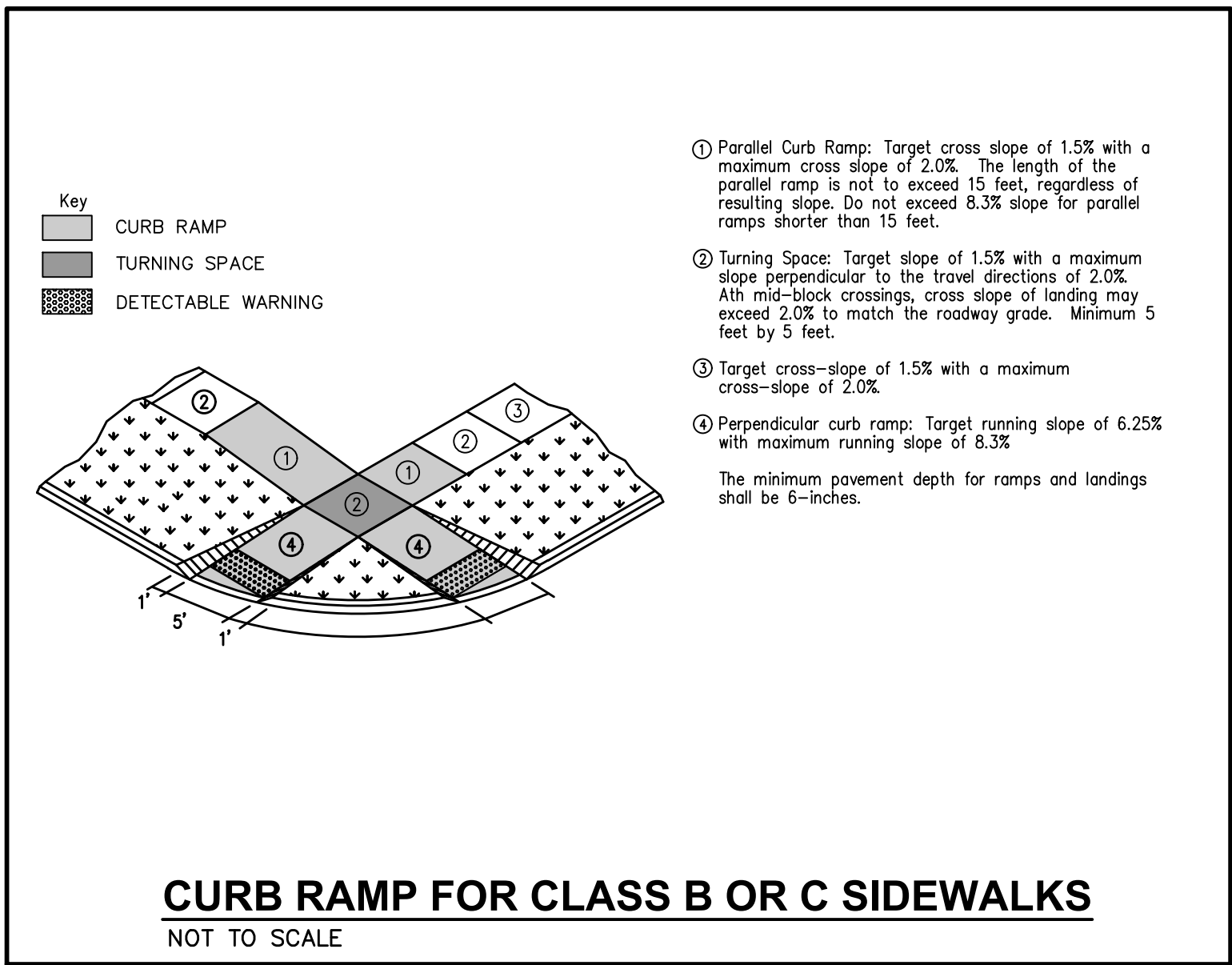
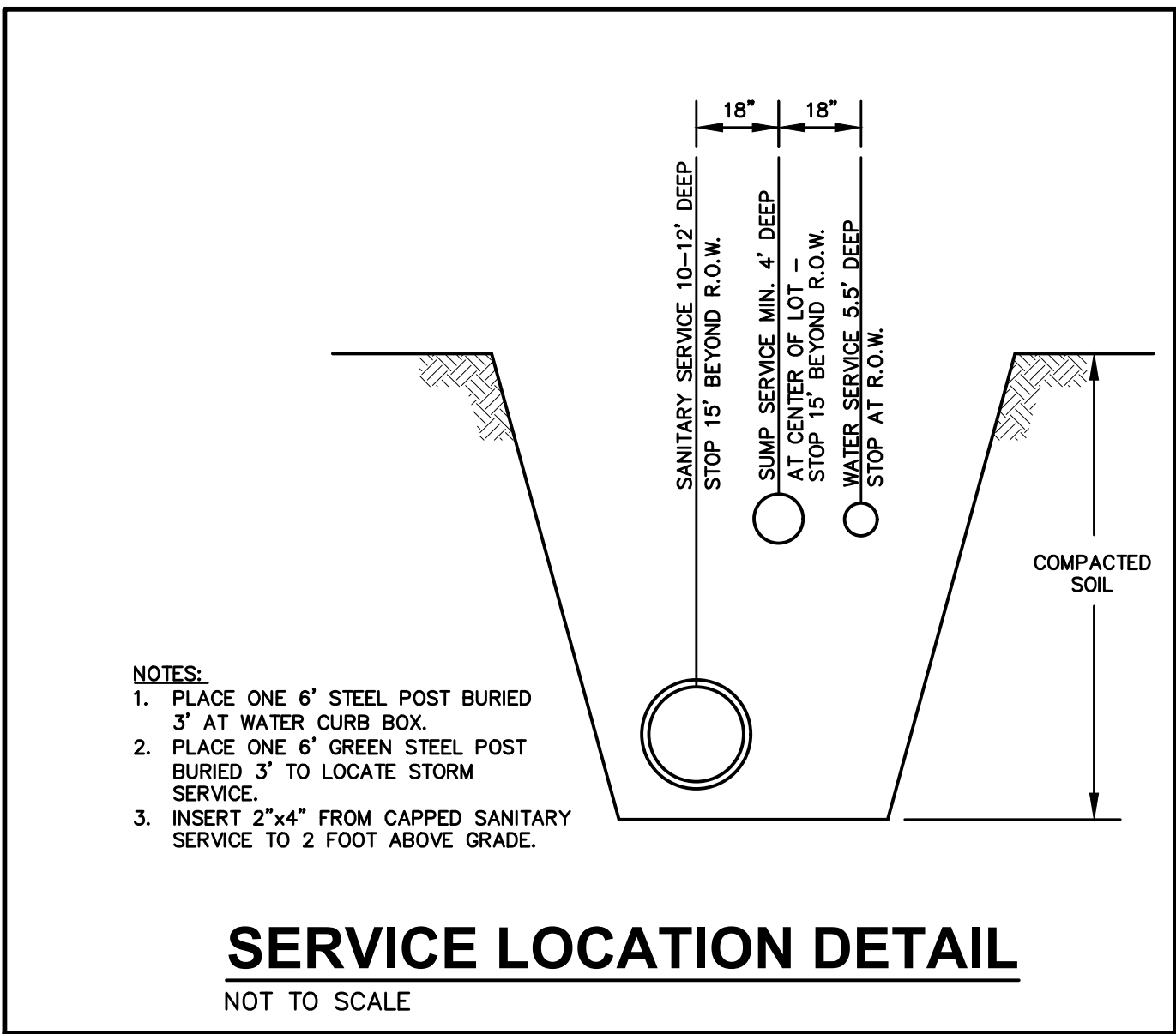
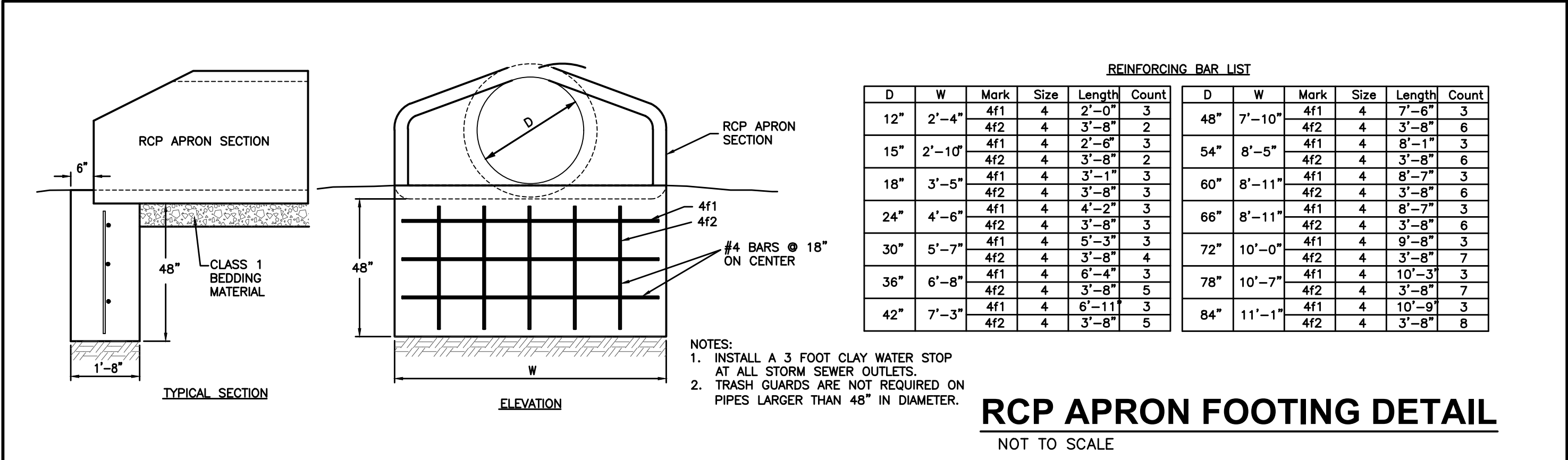
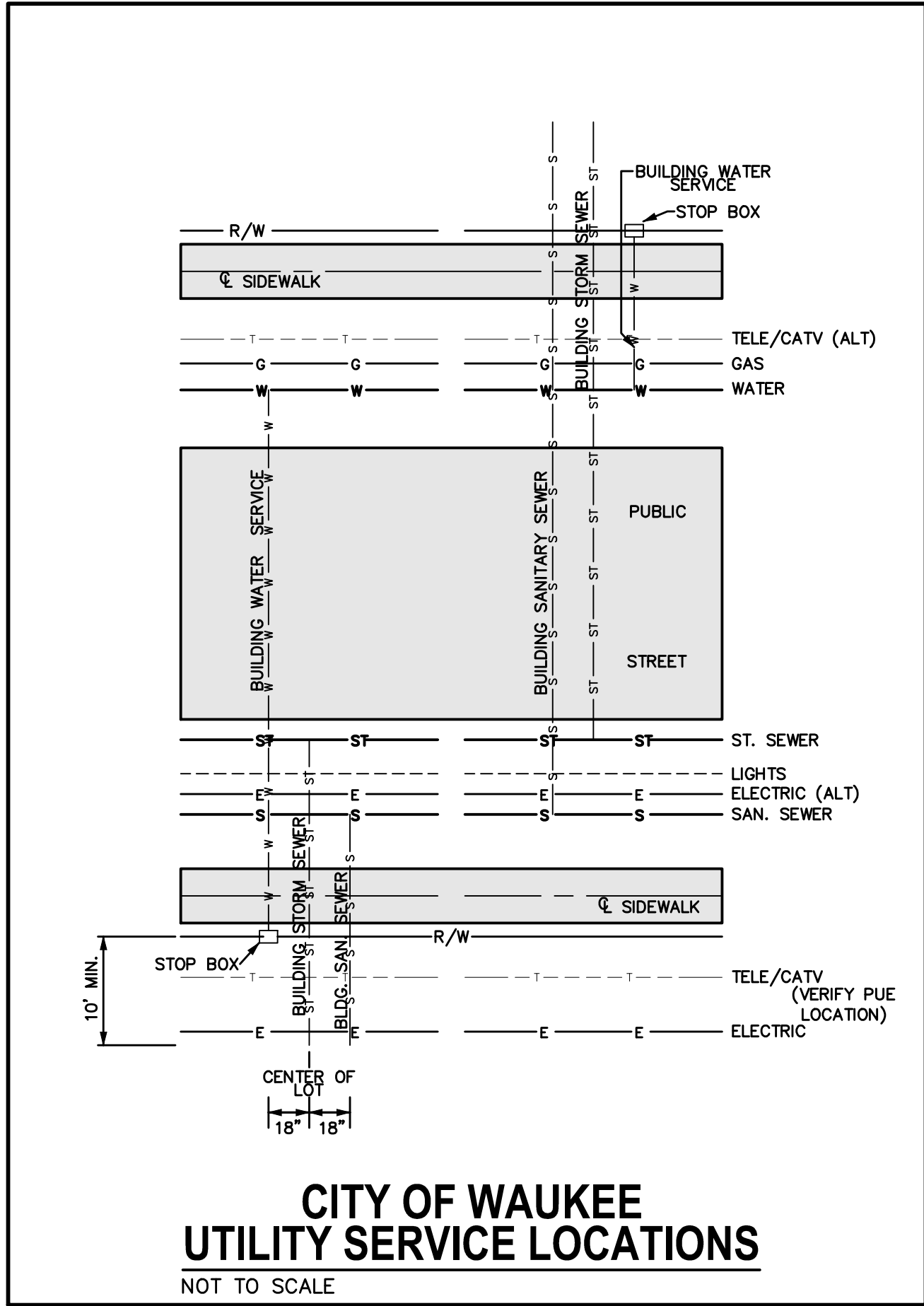
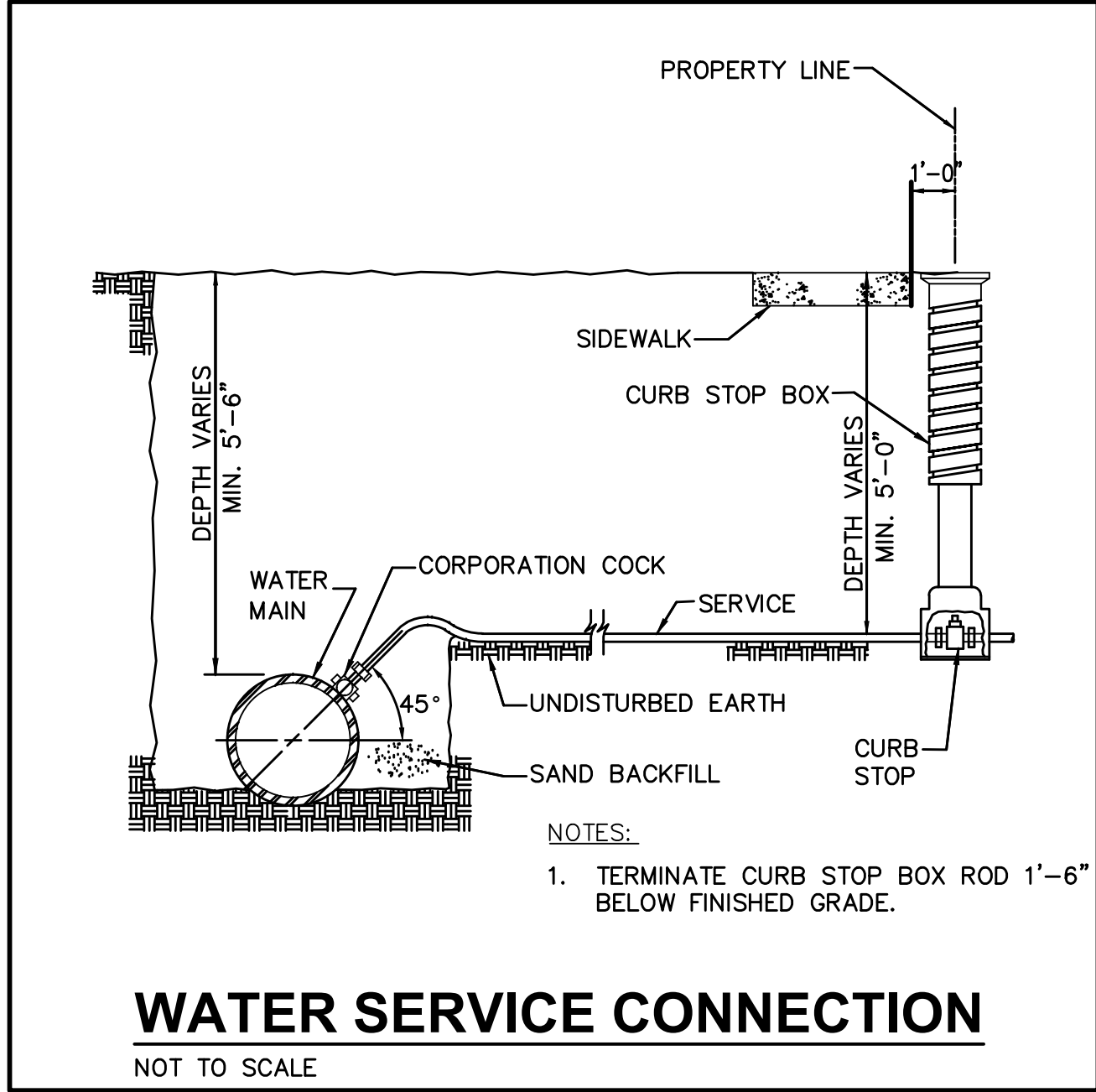
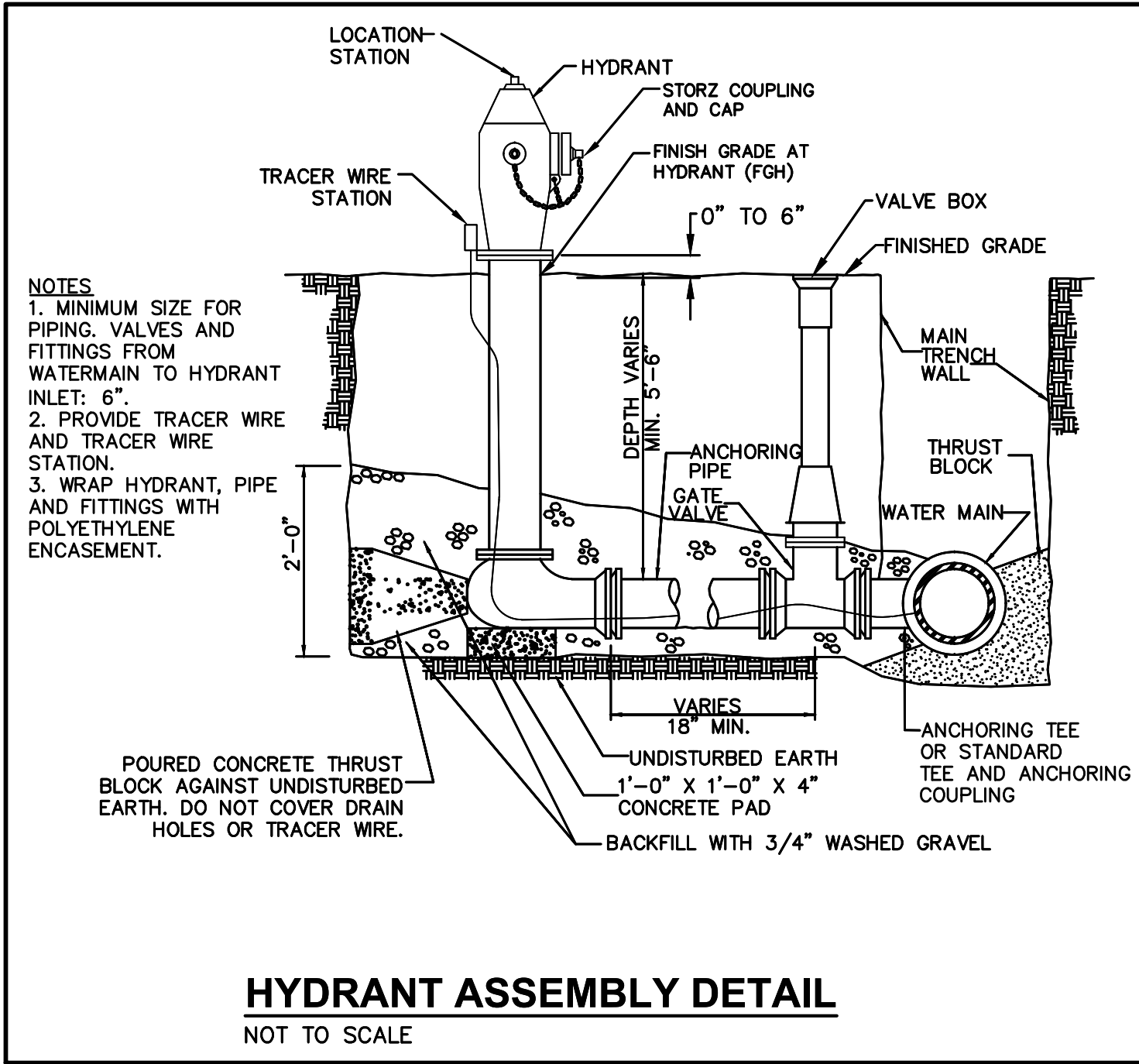
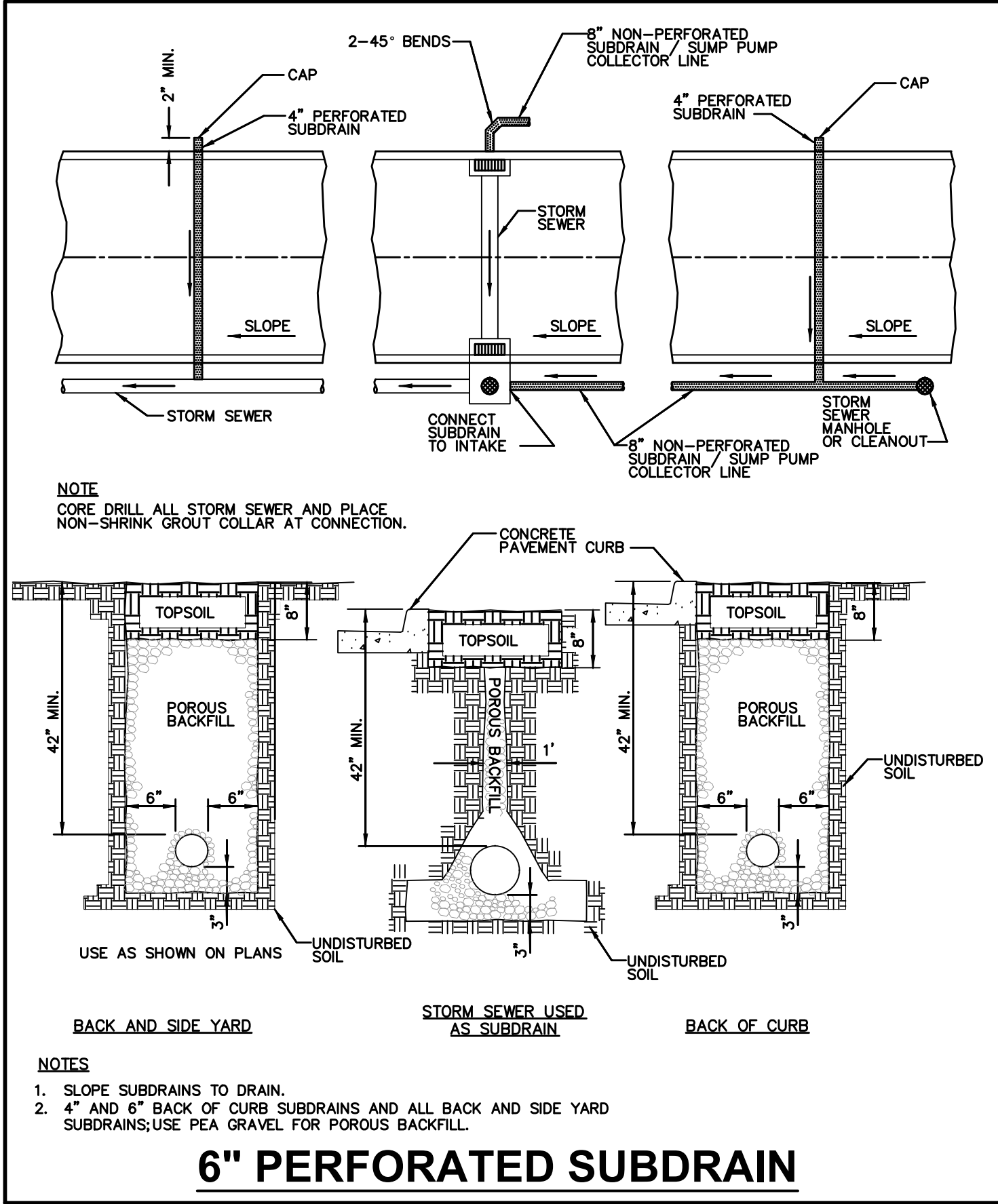


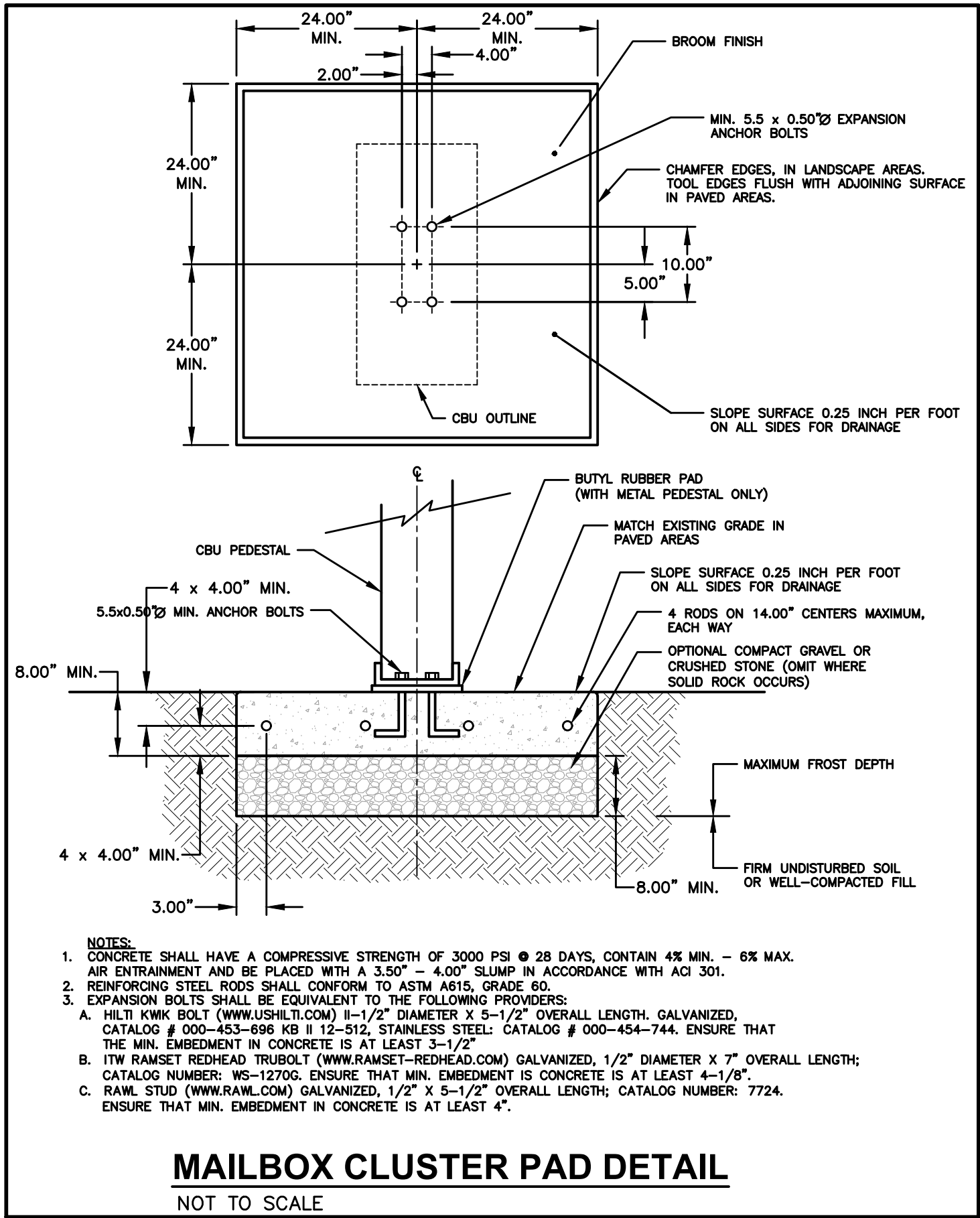
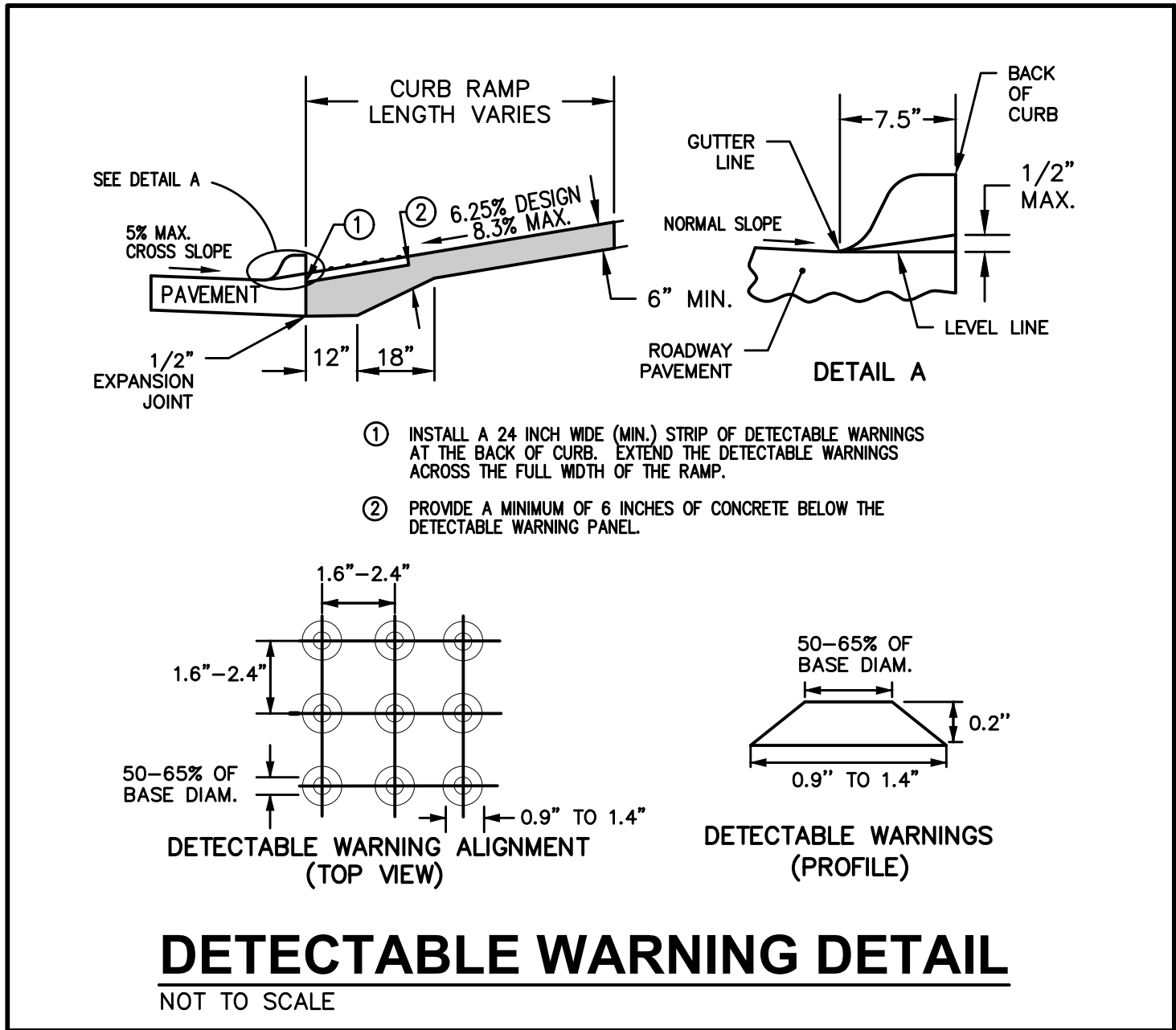
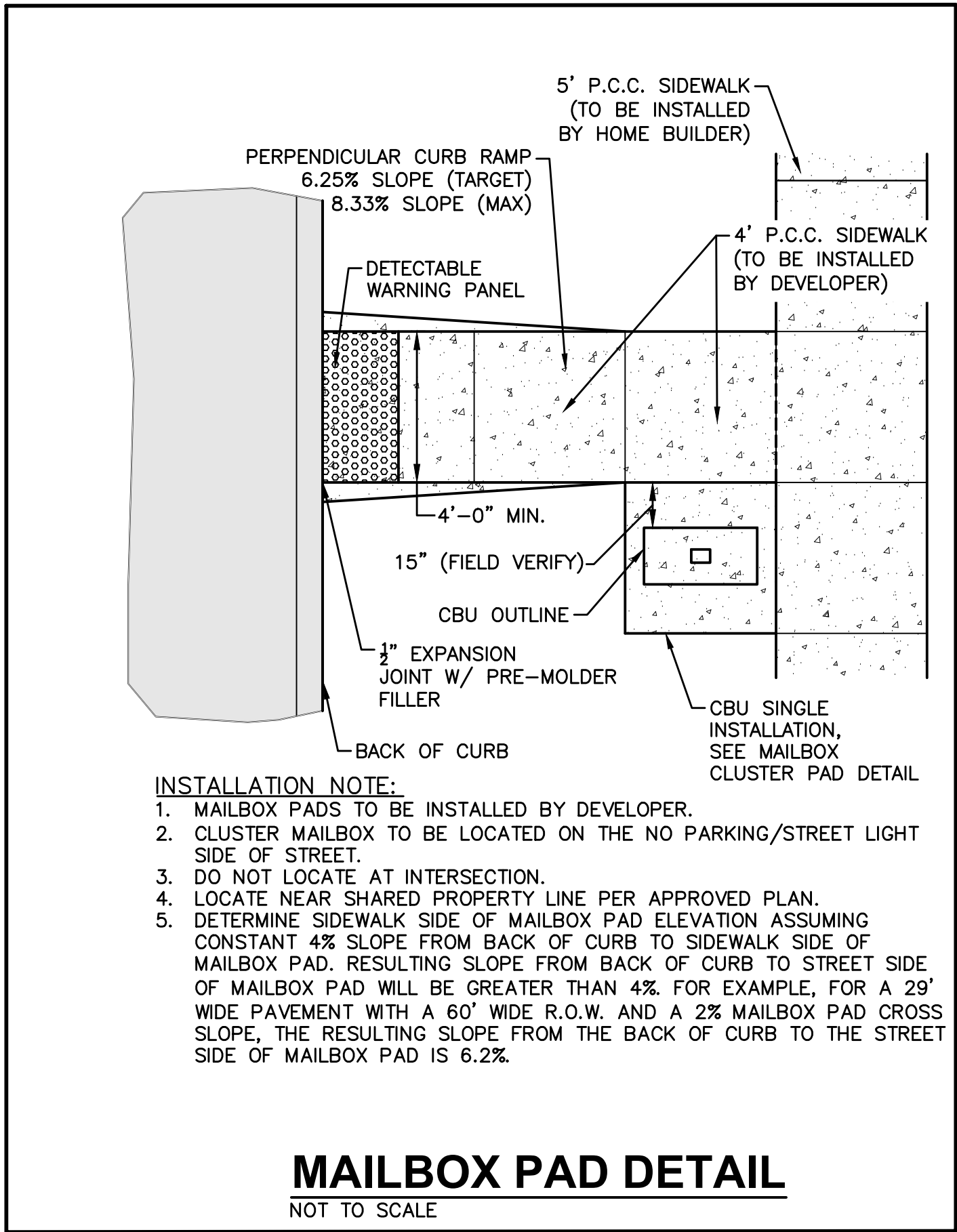
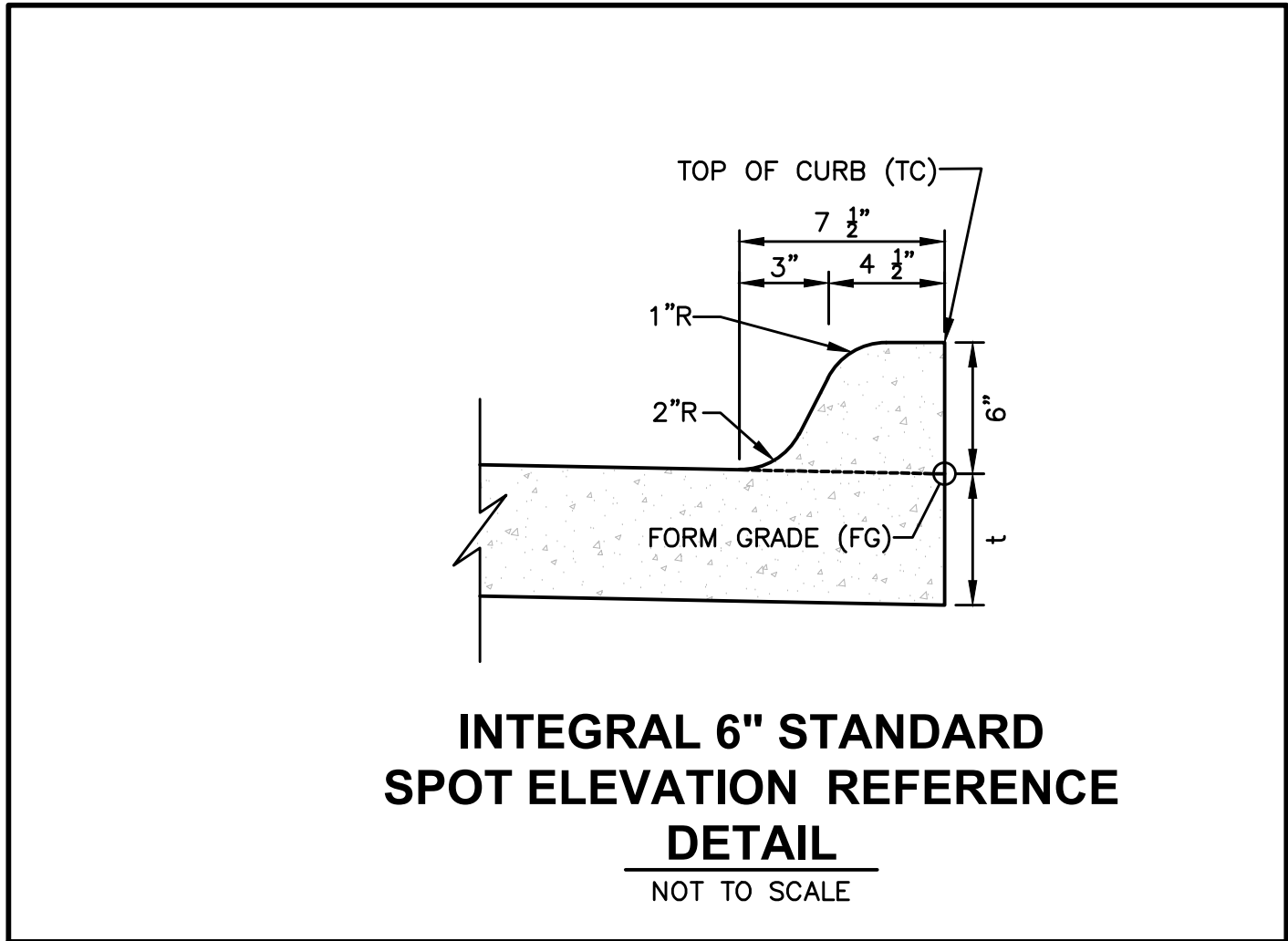
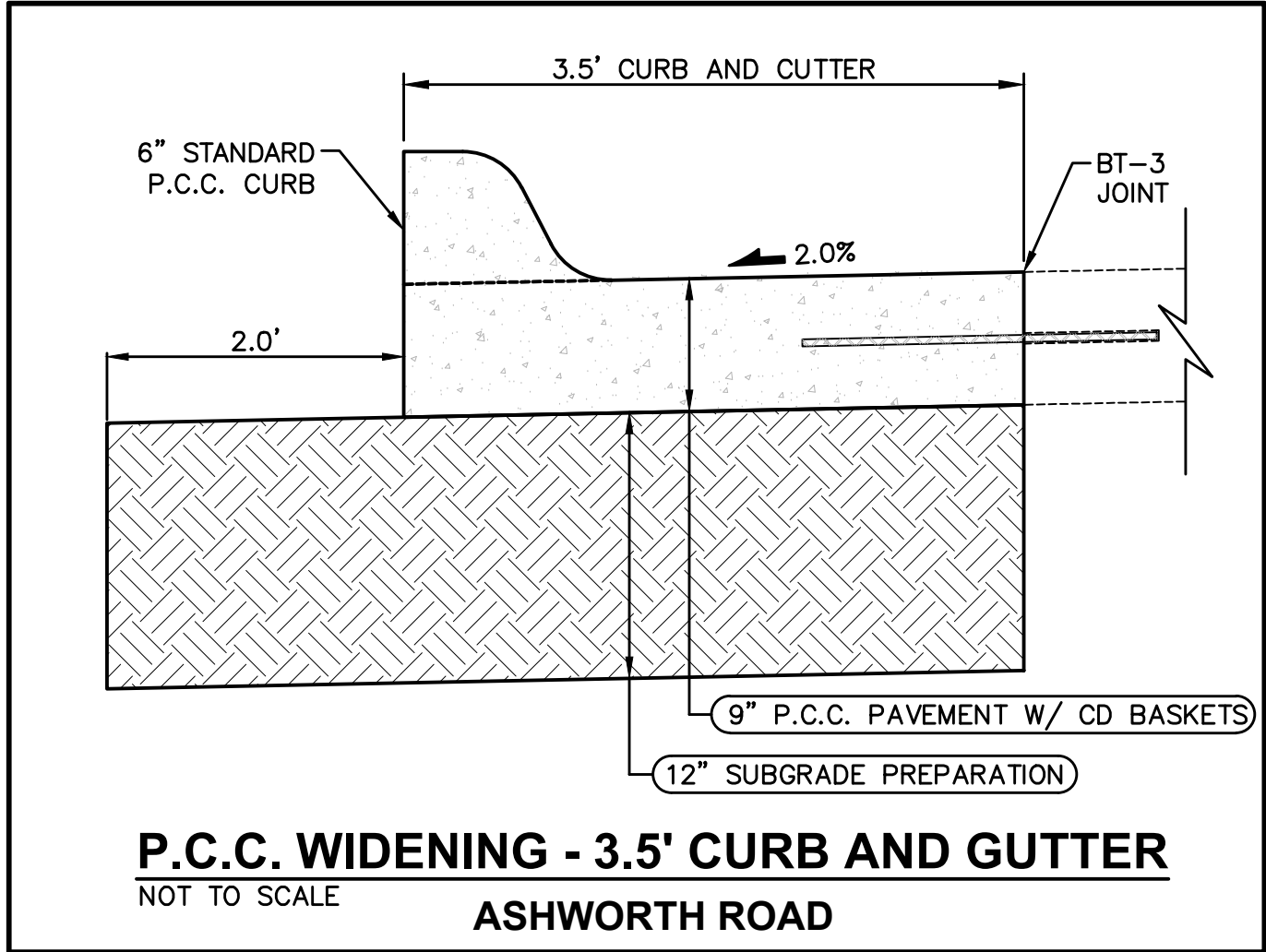
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COMMENTS: ENVS.
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ESTIMATE REFERENCE INFORMATION	
Data listed below is for informational purpose only and shall not constitute a basis for any extra work orders.	
ITEM NO.	DESCRIPTION
21-22	REFER TO FIG. 6010.401 - CIRCULAR STORM SEWER MANHOLE (SW-401) FOR CONSTRUCTION DETAILS. MANHOLE INSIDE DIAMETERS GREATER THAN 48" SHALL BE CONSIDERED INCIDENTAL.
23-26	REFER TO FIG. 6010.514 - BOXOUTS FOR GRATE INTAKES. REFER TO FIG. 6010.603 - CASTINGS FOR GRATE INTAKES FOR TYPE R GRATE DETAILS AND FIG. 6010.602 - CASTINGS FOR STORM SEWER MANHOLES FOR TYPE E CASTING DETAILS. THE MAXIMUM HEIGHT OF ADJUSTING RINGS ALLOWED FOR INTAKE CASTINGS IS 6". THE MAXIMUM HEIGHT OF ADJUSTING RINGS ALLOWED FOR MANHOLE CASTINGS IS 12".
23	REFER TO FIG. 6010.501 - SINGLE GRATE INTAKE (SW-501) FOR CONSTRUCTION DETAILS.
24	REFER TO FIG. 6010.503 - SINGLE GRATE INTAKE WITH MANHOLE (SW-503) FOR CONSTRUCTION DETAILS.
25	REFER TO FIG. 6010.505 - DOUBLE GRATE INTAKE (SW-505) FOR CONSTRUCTION DETAILS.
26	REFER TO FIG. 6010.506 - DOUBLE GRATE INTAKE WITH MANHOLE (SW-506) FOR CONSTRUCTION DETAILS.
27-28	REFER TO FIG. 7010.101 - JOINTS (PV-101) FOR JOINT DETAILS. MAXIMUM C AND CD JOINT SPACING IS 15 FEET.
29	REFER TO SHEETS 6 AND 11 FOR LOCATION OF SIDEWALKS.
30	REFER TO FIG. 7030.204 - GENERAL SIDEWALK AND ACCESSIBLE RAMP DETAILS AND FIG. 7030.208 - CURB RAMPS WITHIN INTERSECTION RADIUS FOR CLASS B OR C SIDEWALK FOR CONSTRUCTION DETAILS. DETECTABLE WARNING PANELS TO BE ARMOR TILE, ADA SOLUTIONS OR APPROVED EQUAL, BRICK RED IN COLOR. ACCESSIBLE CURB RAMPS INCLUDING TURNING SPACES SHALL BE 6" THICK P.C.C.
31	REFER TO SHEET 3 FOR CONSTRUCTION DETAILS.
32	THE SITE SEEDING SHALL CONFORM TO THE SPECIFICATION FOR TYPE (1) PERMANENT LAWN MIXTURE AND TYPE (4) URBAN TEMPORARY EROSION CONTROL SEED MIXTURE. SEEDING QUANTITIES -TYPE 1 PERMANENT LAWN MIXTURE =0.67 AC -TYPE 4 URBAN TEMPORARY EROSION CONTROL MIXTURE = 5.17 AC
33	REFER TO PLAN AND PROFILE SHEETS FOR LOCATIONS. REFER TO IDOT STANDARD ROAD PLAN SI-182 FOR CONSTRUCTION DETAILS. EACH LOCATION CONSISTS OF FIVE SIGNS WITH POSTS PER SI-182.
34	ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON TRAFFIC CONTROL DEVICES. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ROAD BARRICADES AT END OF EXISTING PAVEMENTS UNTIL THE PROJECT IS ACCEPTED.
35	REFER TO SHEET 7 OF THE CONSTRUCTION DRAWINGS FOR EROSION AND SEDIMENT CONTROLS. REFER TO SEPARATE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR SPECIFIC DETAILS. <u>EROSION CONTROL QUANTITIES</u> - 1 CONCRETE WASH PIT - 580 SF OF TYPE 1 TURF REINFORCEMENT MATTING - 2,274 LF OF SILT FENCE - 602 LF OF DITCH CHECK - 5.84 ACRES OF SEEDING, FERTILIZING AND MULCHING. - 10 INLET PROTECTION DEVICES
36	REFER TO FIG. 4040.232 - SUBDRAIN CLEANOUTS FOR CONSTRUCTION DETAILS.
37	REFER TO SHEET 3 FOR CONSTRUCTION DETAILS. MAILBOX PADS ARE LOCATED ON LOTS 15 AND 21.
38	REFER TO SHEET 8 FOR LOCATION.
39	REFER TO SHEET 8 FOR LOCATION.
40-41	REFER TO SHEET 11 FOR LOCATIONS.

HAMILTON RIDGE PLAT 2

QUANTITIES, GENERAL NOTES AND
BID ITEM REFERENCE NOTES

WAUKEE, IOWA

4 / 15

2009.484

2009.484

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

ENGINEER: EKO
EI: GH/JWM

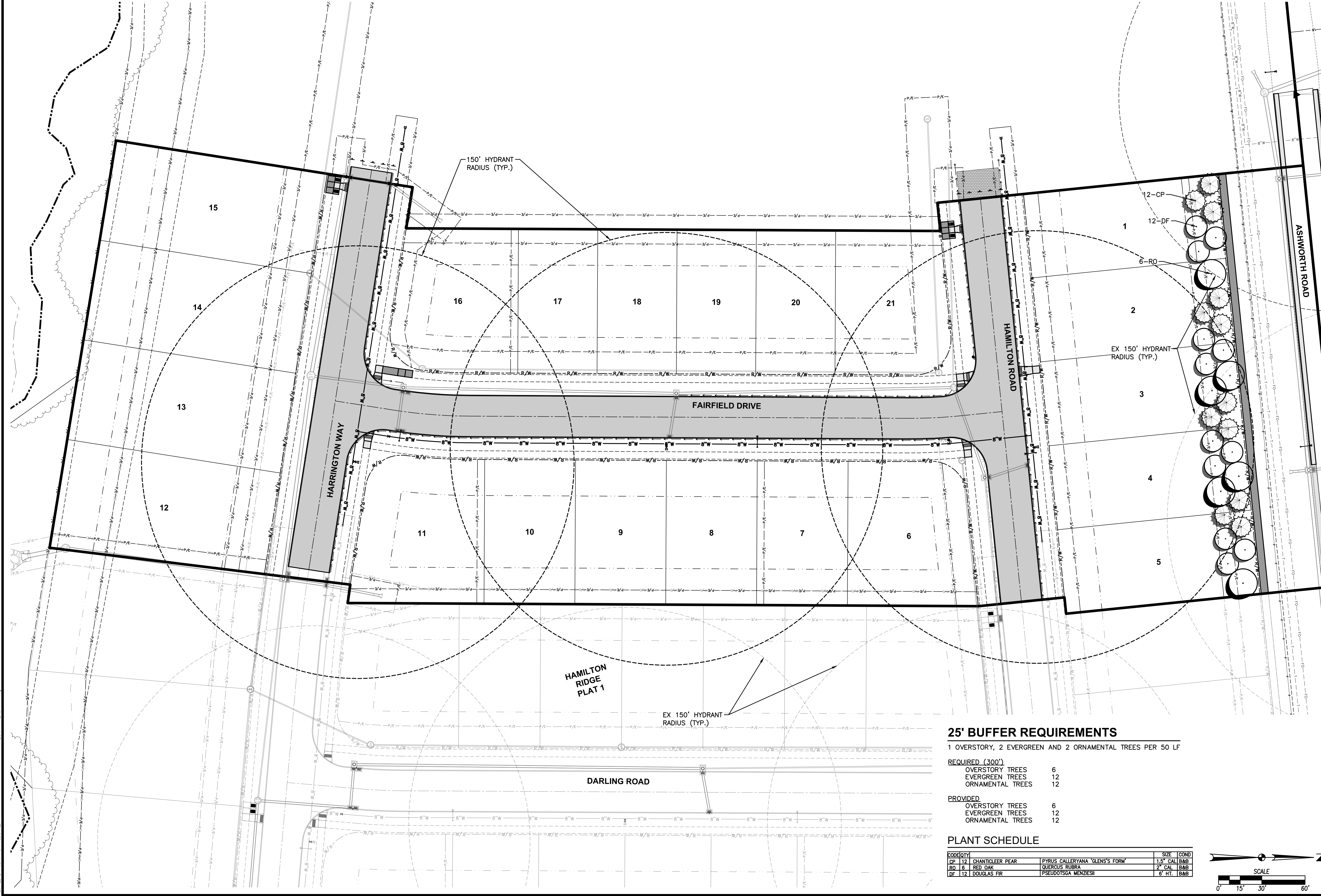
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FINAL SUBMITTAL	02/01/2021
THIRD SUBMITTAL	01/19/2021
SECOND SUBMITTAL	12/22/2020
FIRST SUBMITTAL	11/10/2020

CIVIL DESIGN ADVANTAGE

GENERAL NOTES

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PLOT BY: J. VANATON, MCDONALD

COMMENTS:
REVISIONS



25' BUFFER REQUIREMENTS

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

REQUIRED (300')

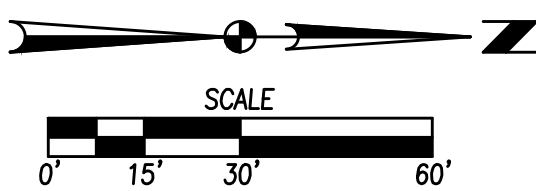
OVERSTORY TREES 6
EVERGREEN TREES 12
ORNAMENTAL TREES 12

PROVIDED

OVERSTORY TREES 6
EVERGREEN TREES 12
ORNAMENTAL TREES 12

PLANT SCHEDULE

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



HAMILTON RIDGE PLAT 2

HYDRANT COVERAGE AND LANDSCAPE PLAN



WAUKEE, IOWA

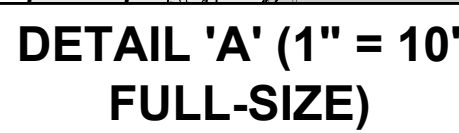
3405 S.E. CROSSROADS DRIVE, SUITE G
GRIMES, IOWA 50111
PHONE: (515) 369-4400 FAX: (515) 369-4410

ENGINEER: EKO

EI: GH/JWM

REVISIONS

DATE	REVISIONS
12/06/2021	AS-BUILT SUBMITTAL
02/01/2021	FINAL SUBMITTAL
01/19/2021	THIRD SUBMITTAL
12/22/2020	SECOND SUBMITTAL
11/02/2020	FIRST SUBMITTAL

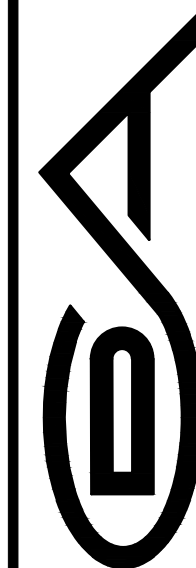


REVISIONS	DATE
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FINAL SUBMITTAL	02/01/2021
THIRD SUBMITTAL	01/19/2021
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3405 S.E. CROSSROADS DRIVE, SUITE G
GRIMES, IOWA 50111
PHONE: (515) 369-4400 FAX: (515) 369-4410

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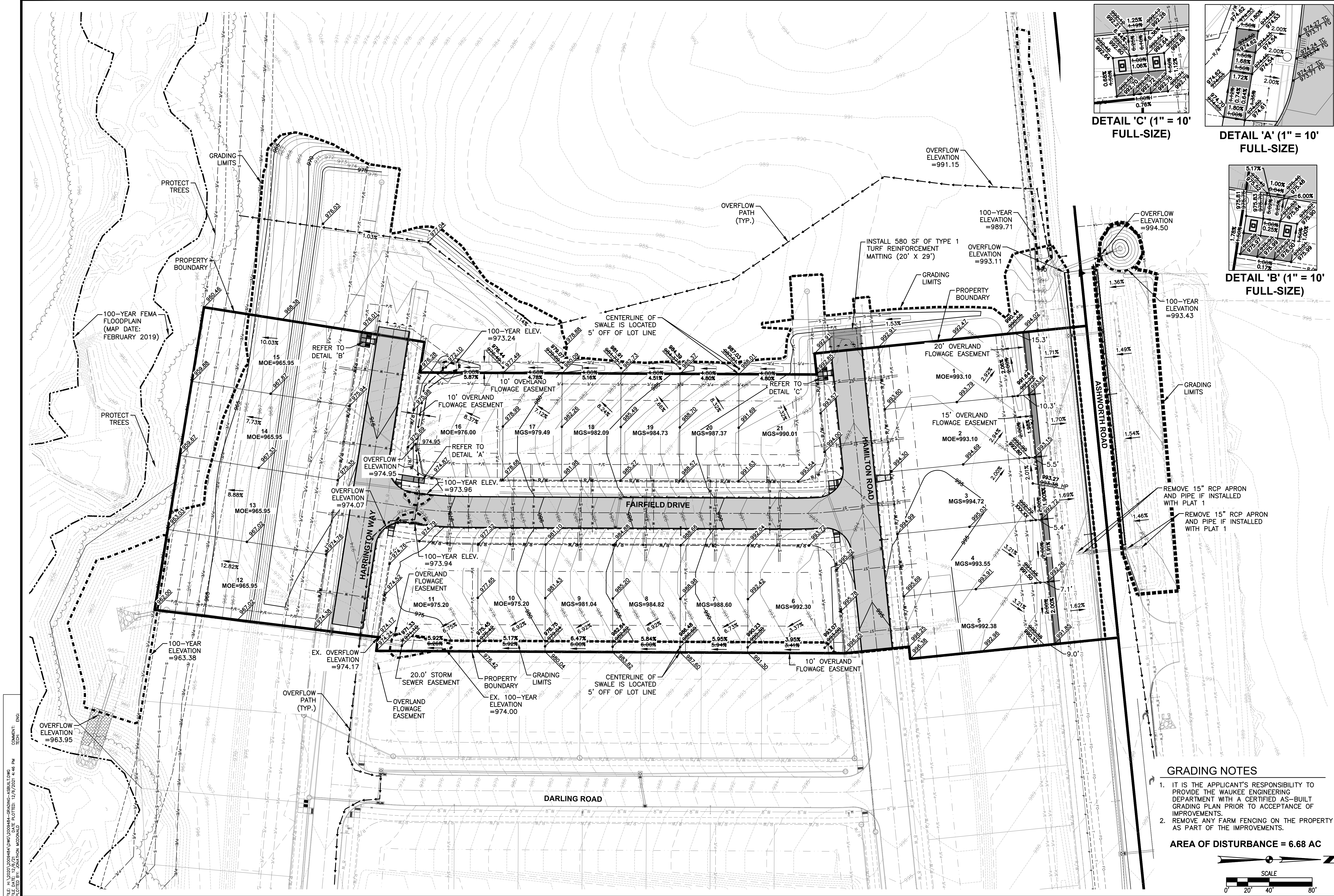


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HAMILTON RIDGE PLAT 2

GRADING PLAN

6/15
2009.484
GA

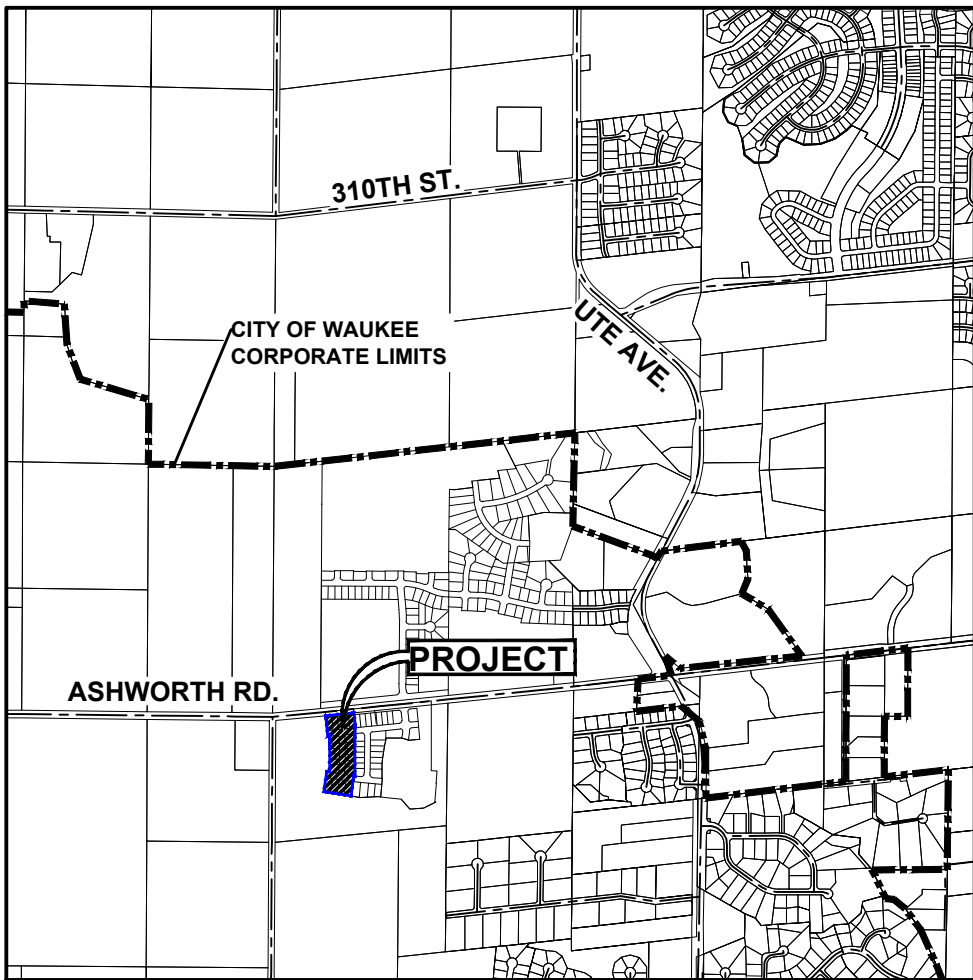


HAMILTON RIDGE PLAT 2

EROSION AND SEDIMENT CONTROL PLAN

VICINITY MAP

NOT TO SCALE



WAUKEE, IOWA

STABILIZATION QUANTITIES

ITEM NO.	ITEM	UNIT	TOTAL
1	SILT FENCE	LF	2,274
2	DITCH CHECKS	LF	602
3	TYPE 1 TURF REINFORCEMENT MATTING	SF	580
4	SEEDING, FERTILIZING, AND MULCHING	AC	5.84
5	INLET PROTECTION DEVICES	EA	10
6	CONCRETE WASHOUT PIT	EA	1

DISCHARGE POINT SUMMARY

DISCHARGE POINT #1 ±500 FEET INTO AN UNKNOWN TRIBUTARY OF SUGAR CREEK
TOTAL AREA DISTURBED TO DISCHARGE POINT
STORAGE VOLUME REQUIRED (# OF ACRES*3600 CU FT)

VOLUME PROVIDED IN SILT FENCE (2,274 LF @ 10.0 CU FT/LF OF FENCE)
VOLUME PROVIDED IN DITCH CHECK (602 LF @ 15.0 CU FT/LF)

TOTAL VOLUME PROVIDED

6.68 ACRES
24,048 CU FT

22,740 CU FT
9,030 CU FT

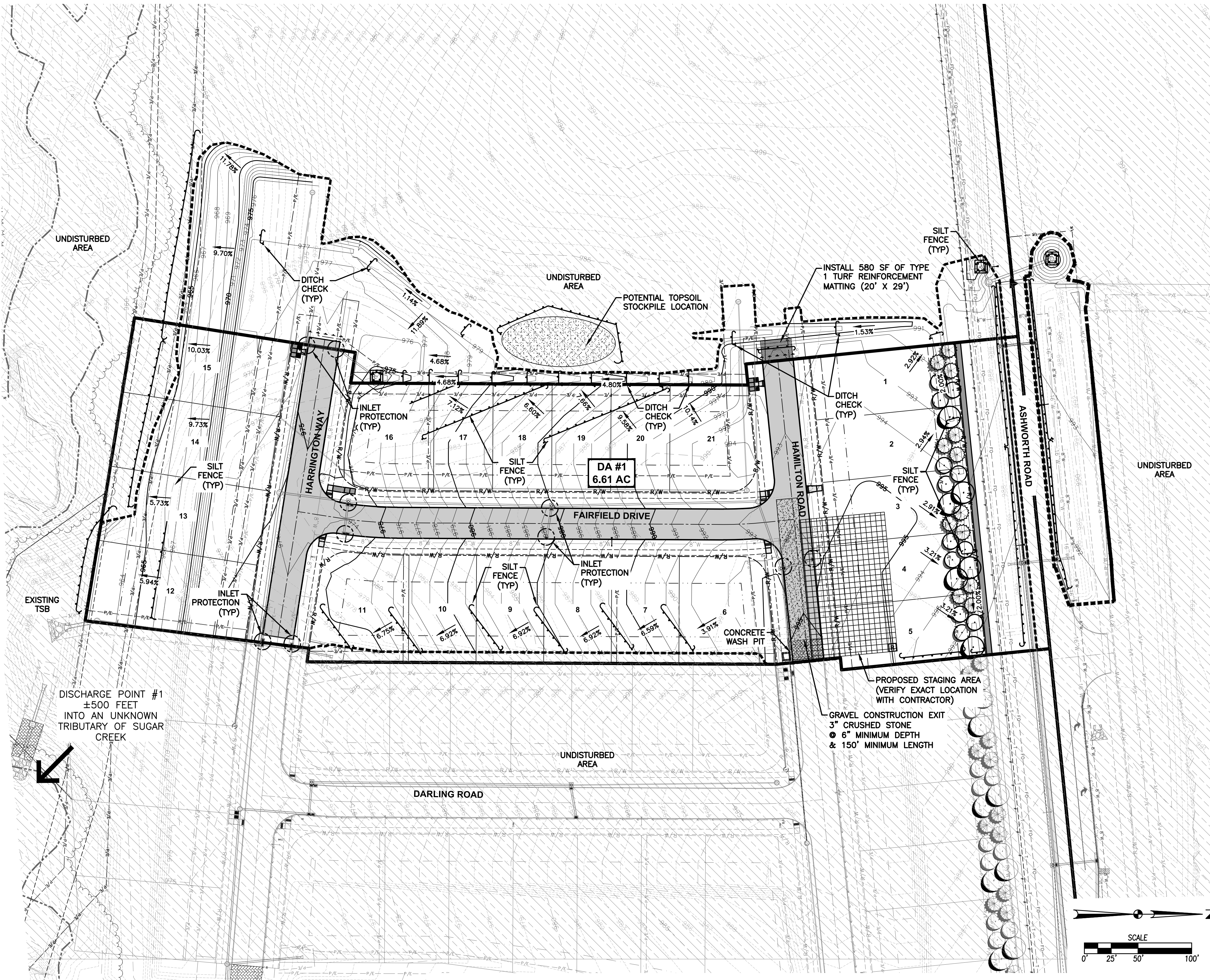
31,770 CU FT

SWPPP LEGEND

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

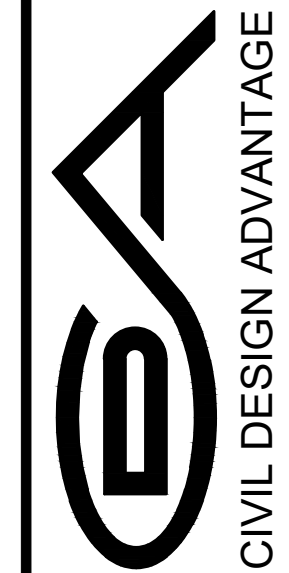
NOTES:

- 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.



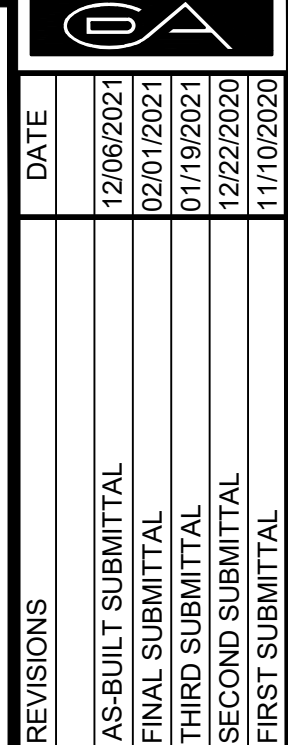
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SECOND SUBMITTAL	12/22/2020
FIRST SUBMITTAL	11/10/2020

3405 S.E. CROSSROADS DRIVE, SUITE G
GRIMES, IOWA 50111
PHONE: (515) 369-4400 FAX: (515) 369-4410
ENGINEER: EKO
EI: GH/JWM



CIVIL DESIGN ADVANTAGE
WAUKEE, IOWA

HAMILTON RIDGE PLAT 2
EROSION AND SEDIMENT CONTROL PLAN



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CIVIL DESIGN ADVANTAGE

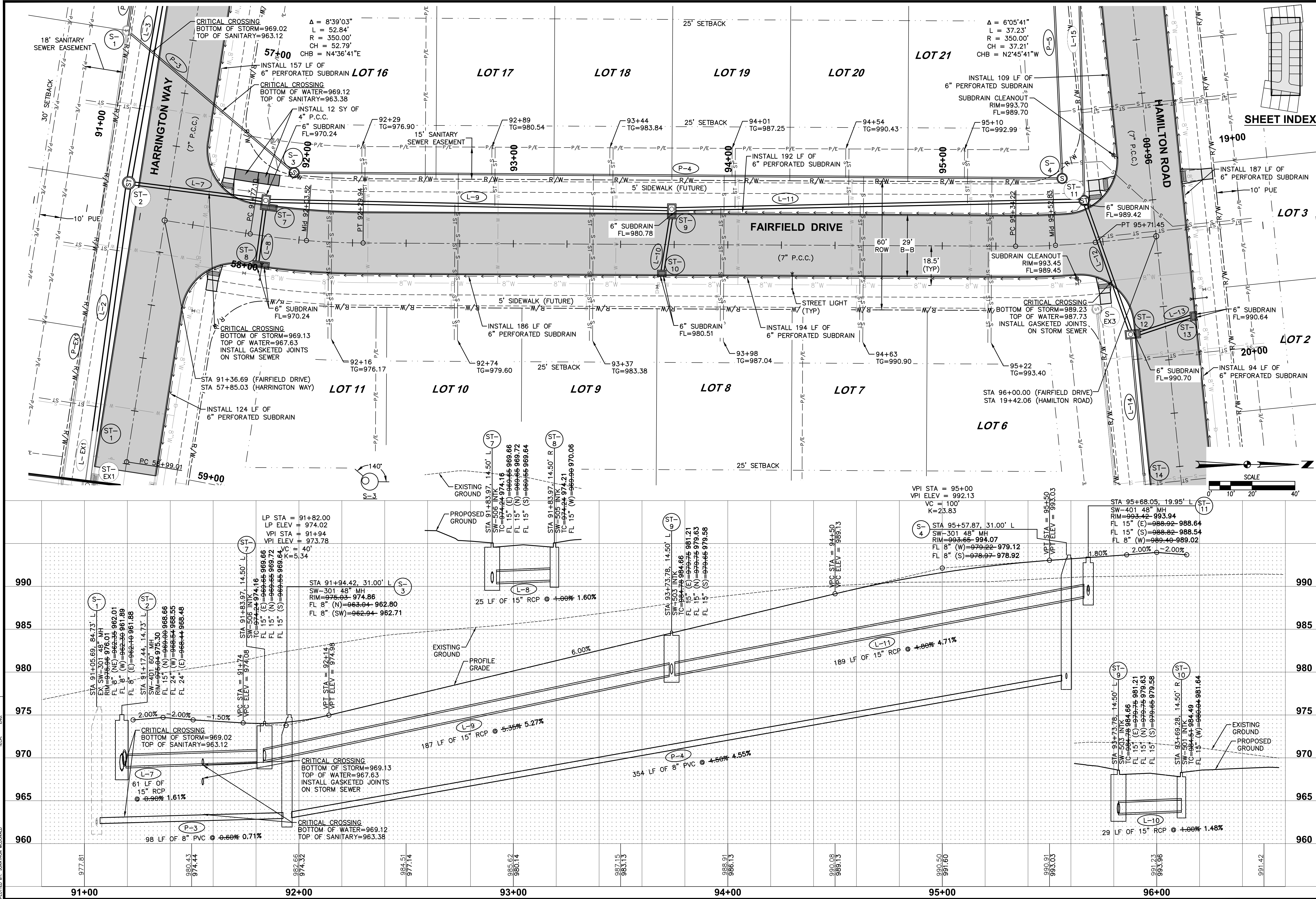
T2 PROFILE

HAMILTON RIDGE PLAT 2

STORM & SANITARY SEWER PLAN AND PROFILE

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FILE DATE: 12/6/21 DATE PLOTTED: 12/6/2021 4:46 PM COMMENT:
PLOTTED BY: JONATHON McDONALD
TECH: ENG:

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DATE PLOTTED: 12/6/2021 4:47 PM
PLOTTER: HP DESIGNWORKS
PLOTTER: HP DESIGNWORKS



DATE

12/06/2021

AS-BUILT SUBMITTAL

FINAL SUBMITTAL

THIRD SUBMITTAL

SECOND SUBMITTAL

FIRST SUBMITTAL

11/10/2020

REVISIONS

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

CIVIL DESIGN ADVANTAGE

WAUKEE, IOWA

HAMILTON RIDGE PLAT 2

STORM & SANITARY SEWER PLAN AND PROFILE

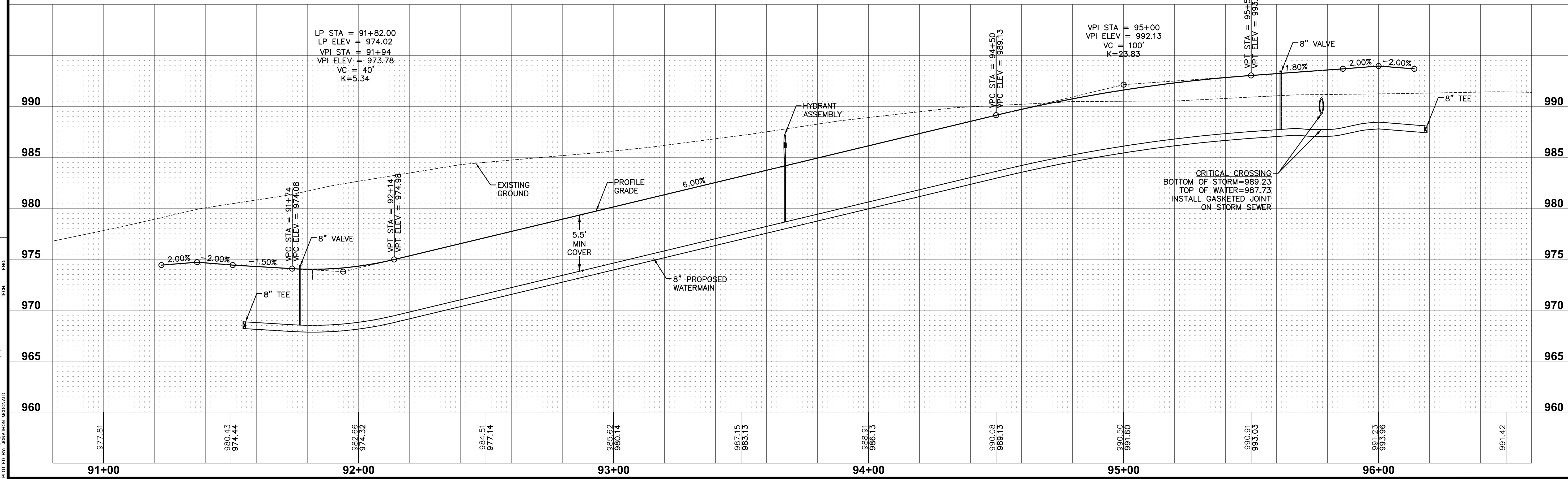
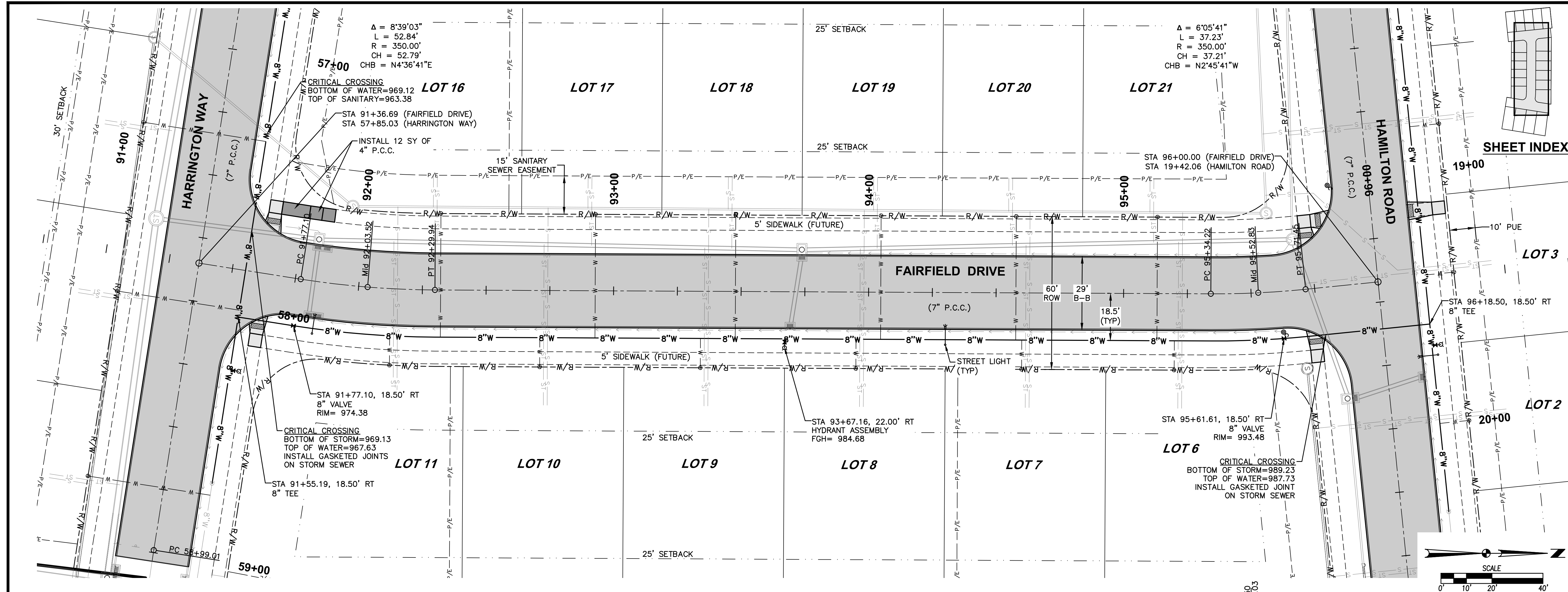
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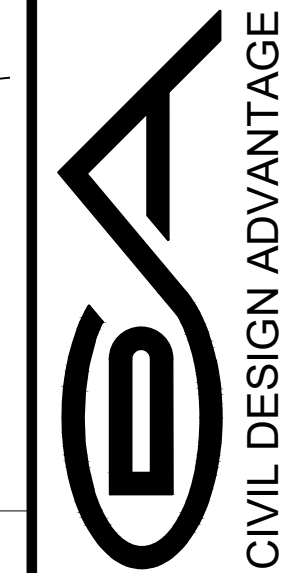
ENGINEER: EKO

EI: GH/JWM



REVISIONS	DATE
AS-BUILT SUBMITTAL	12/06/2021
FINAL SUBMITTAL	02/01/2021
THIRD SUBMITTAL	01/19/2021
SECOND SUBMITTAL	12/22/2020
FIRST SUBMITTAL	11/10/2020

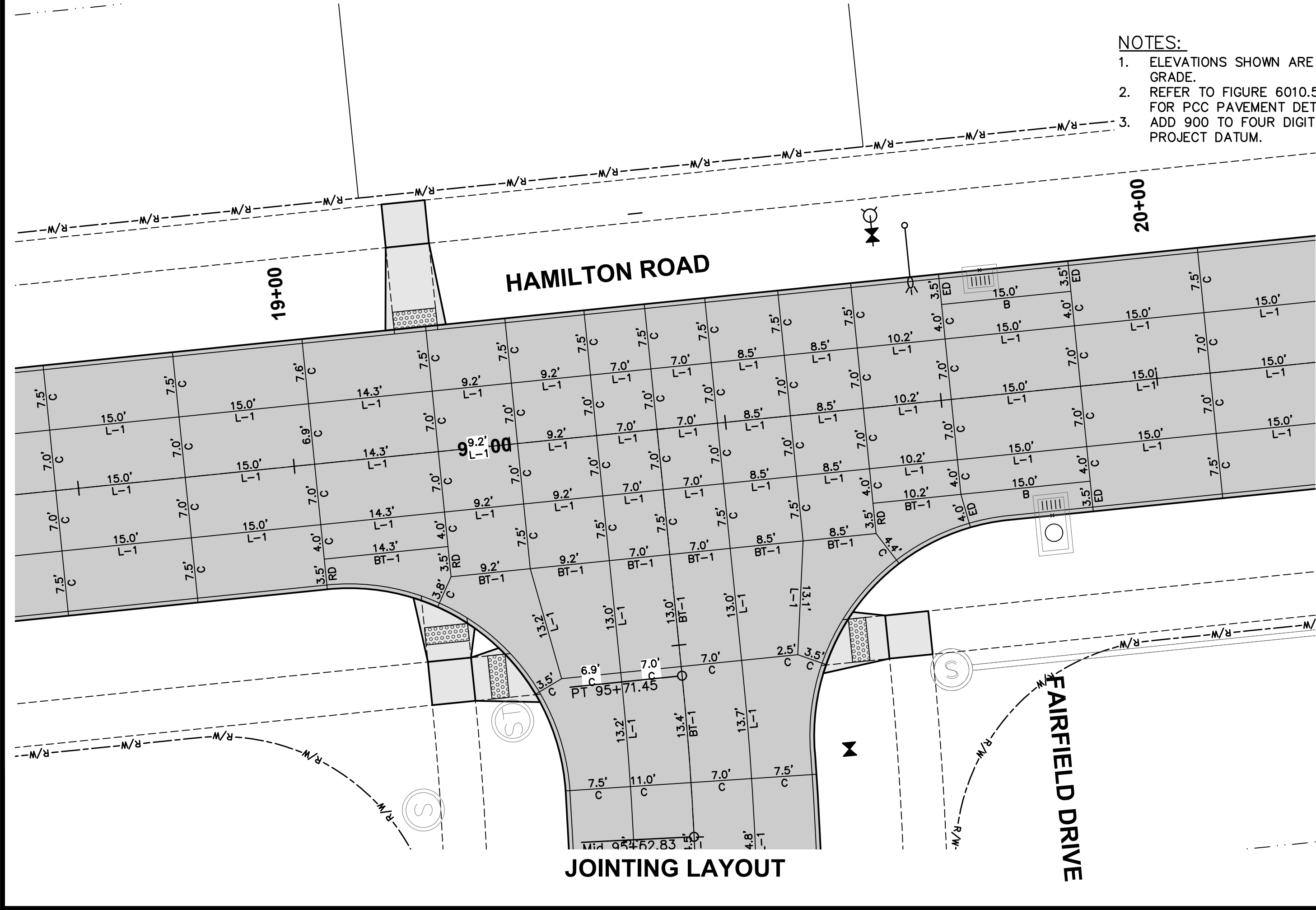
3405 S.E. CROSSROADS DRIVE, SUITE G GRIMES, IOWA 50111 PHONE: (515) 369-4400 FAX: (515) 369-4410	ENGINEER: EKO	EI: GH/JWM
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T2
WAUKEE, IOWA

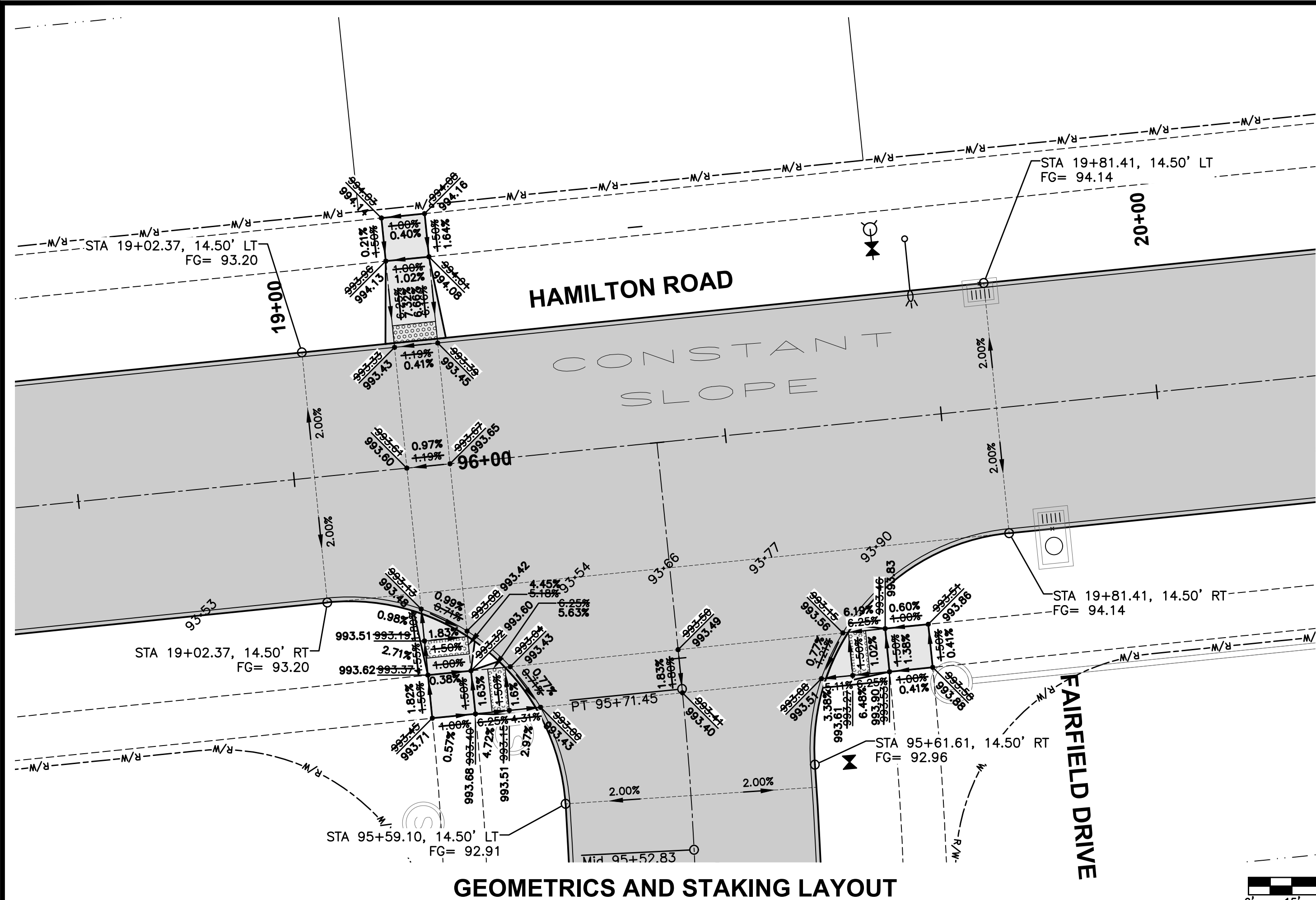
HAMILTON RIDGE PLAT 2

WATERMAIN PLAN AND PROFILE

WAUKEGE



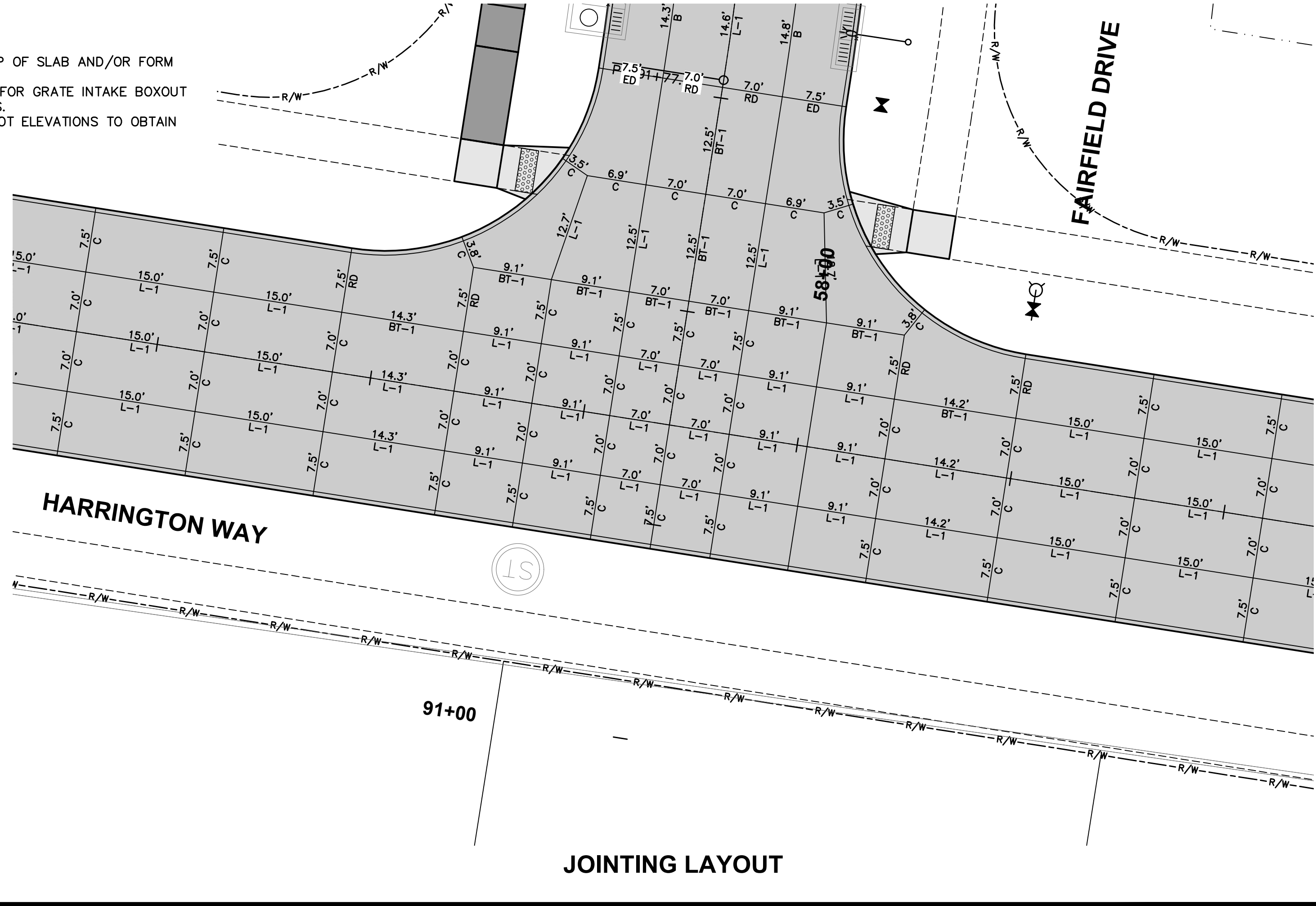
JOINTING LAYOUT



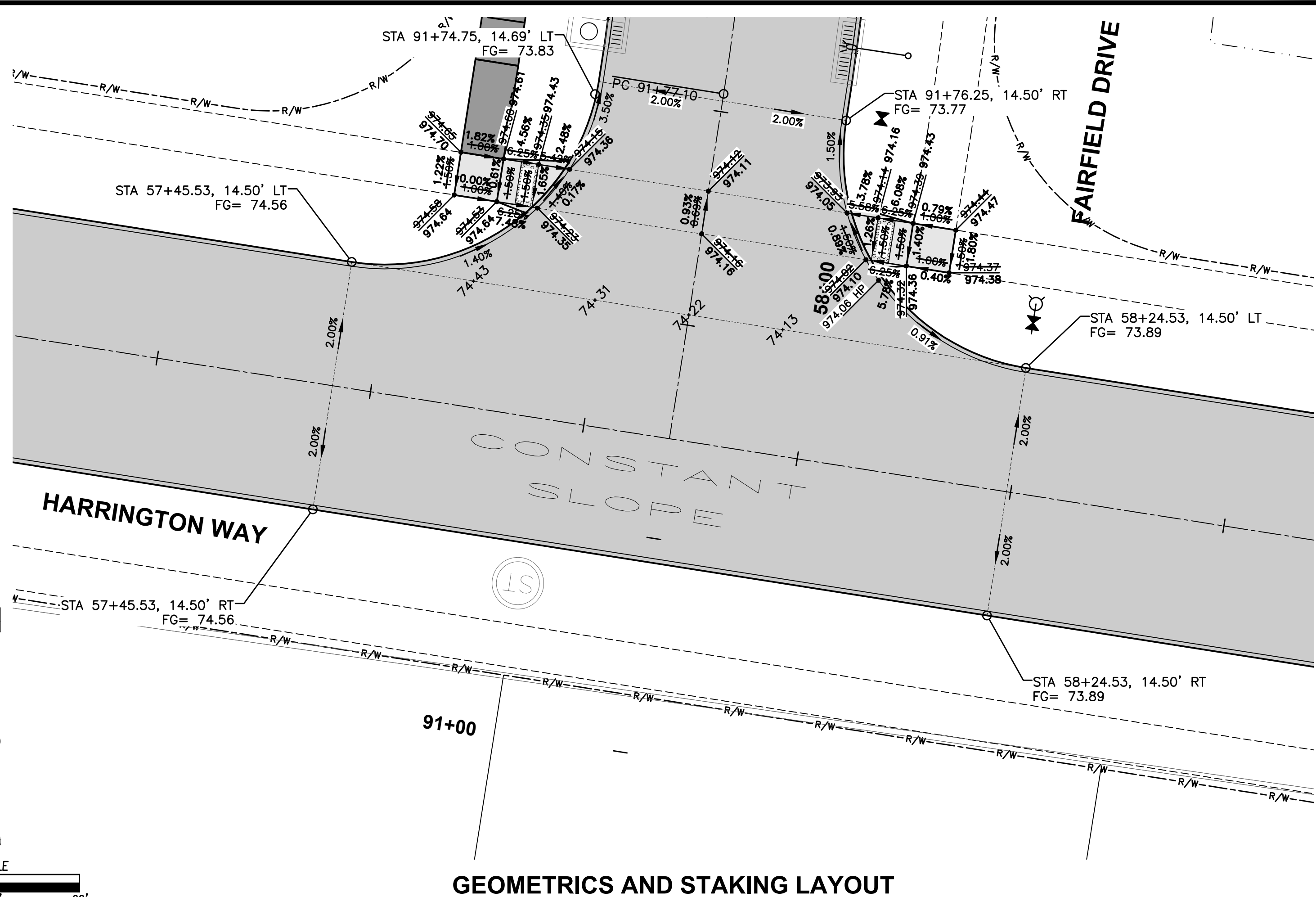
GEOMETRICS AND STAKING LAYOUT

NOTES:

1. ELEVATIONS SHOWN ARE TOP OF SLAB AND/OR FORM GRADE.
2. REFER TO FIGURE 6010.514 FOR GRATE INTAKE BOXOUT FOR PCC PAVEMENT DETAILS.
3. ADD 900 TO FOUR DIGIT SPOT ELEVATIONS TO OBTAIN PROJECT DATUM.



JOINTING LAYOUT



GEOMETRICS AND STAKING LAYOUT