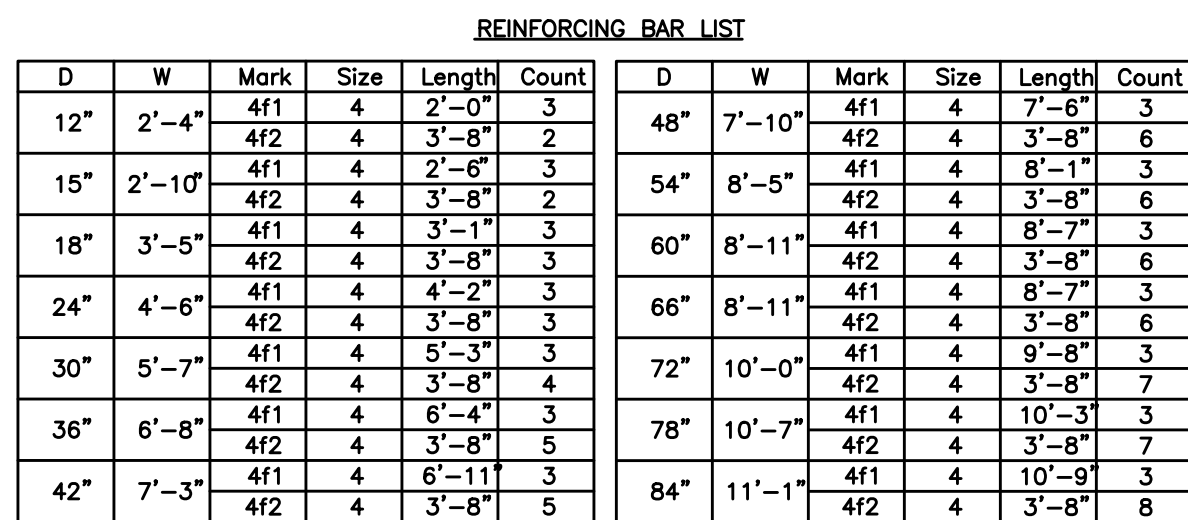
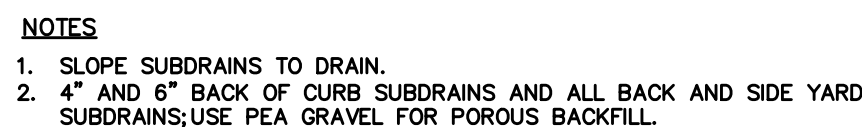
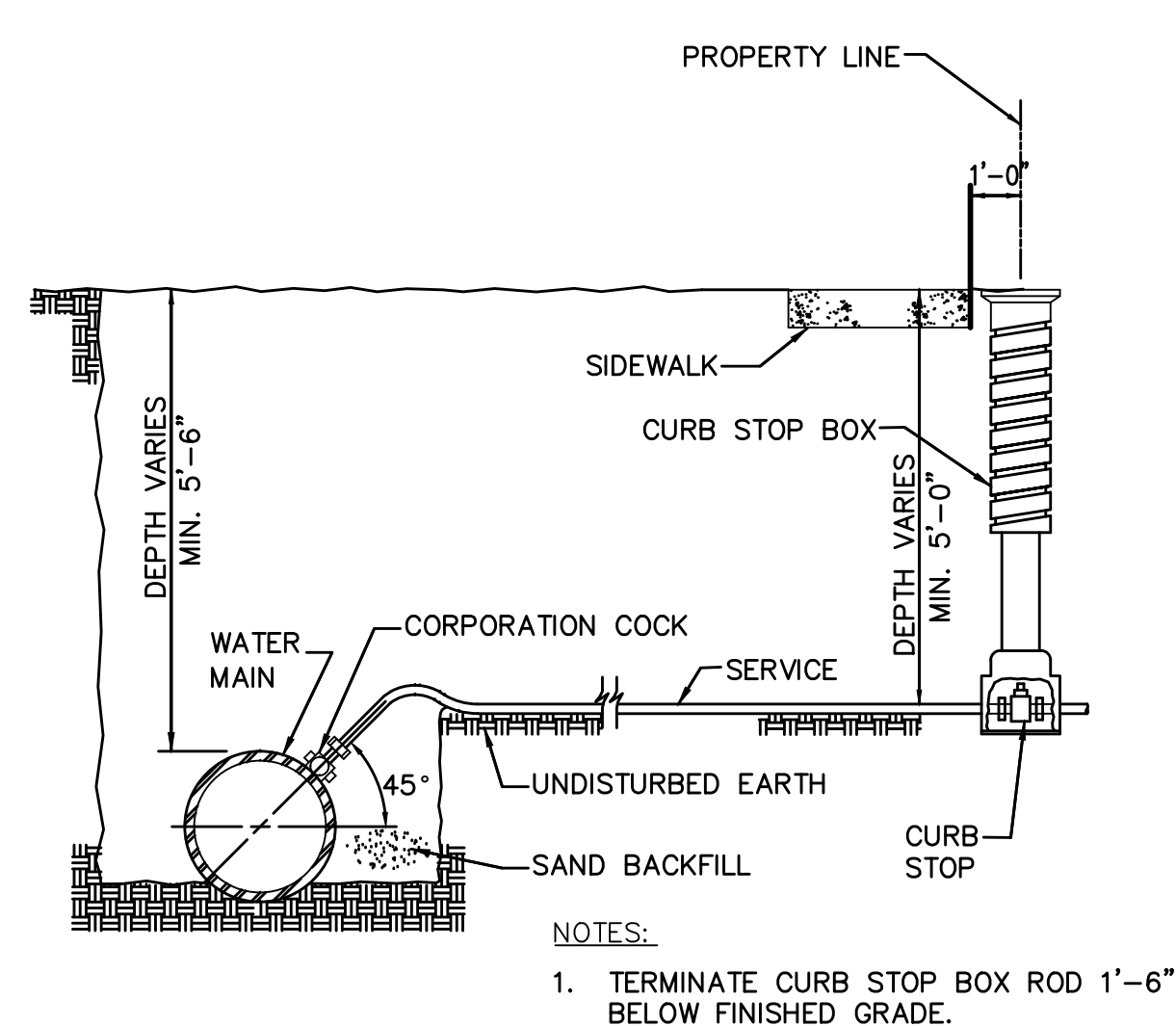


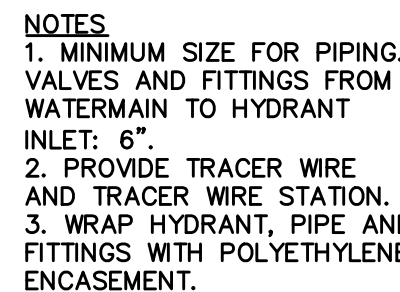


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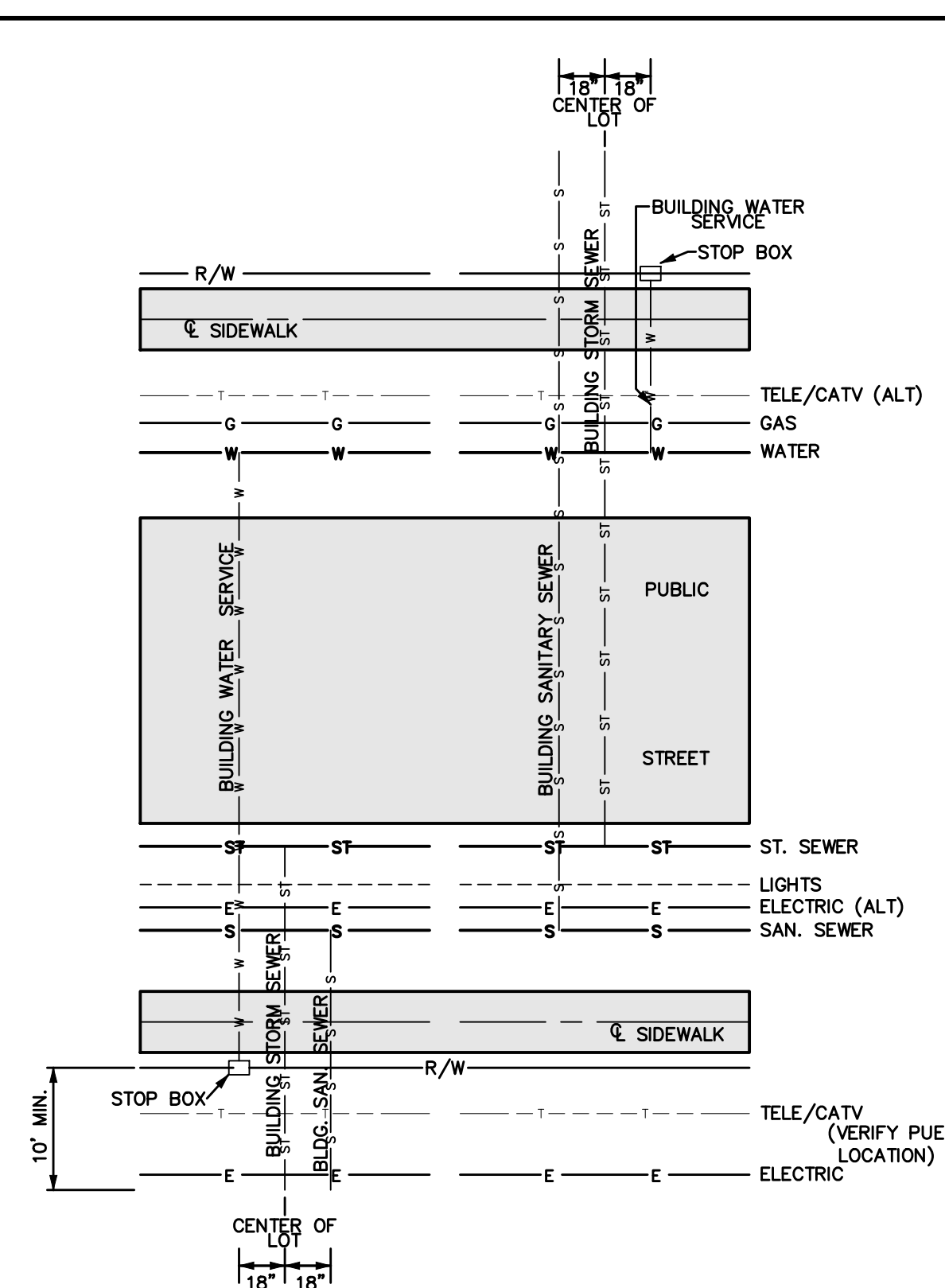




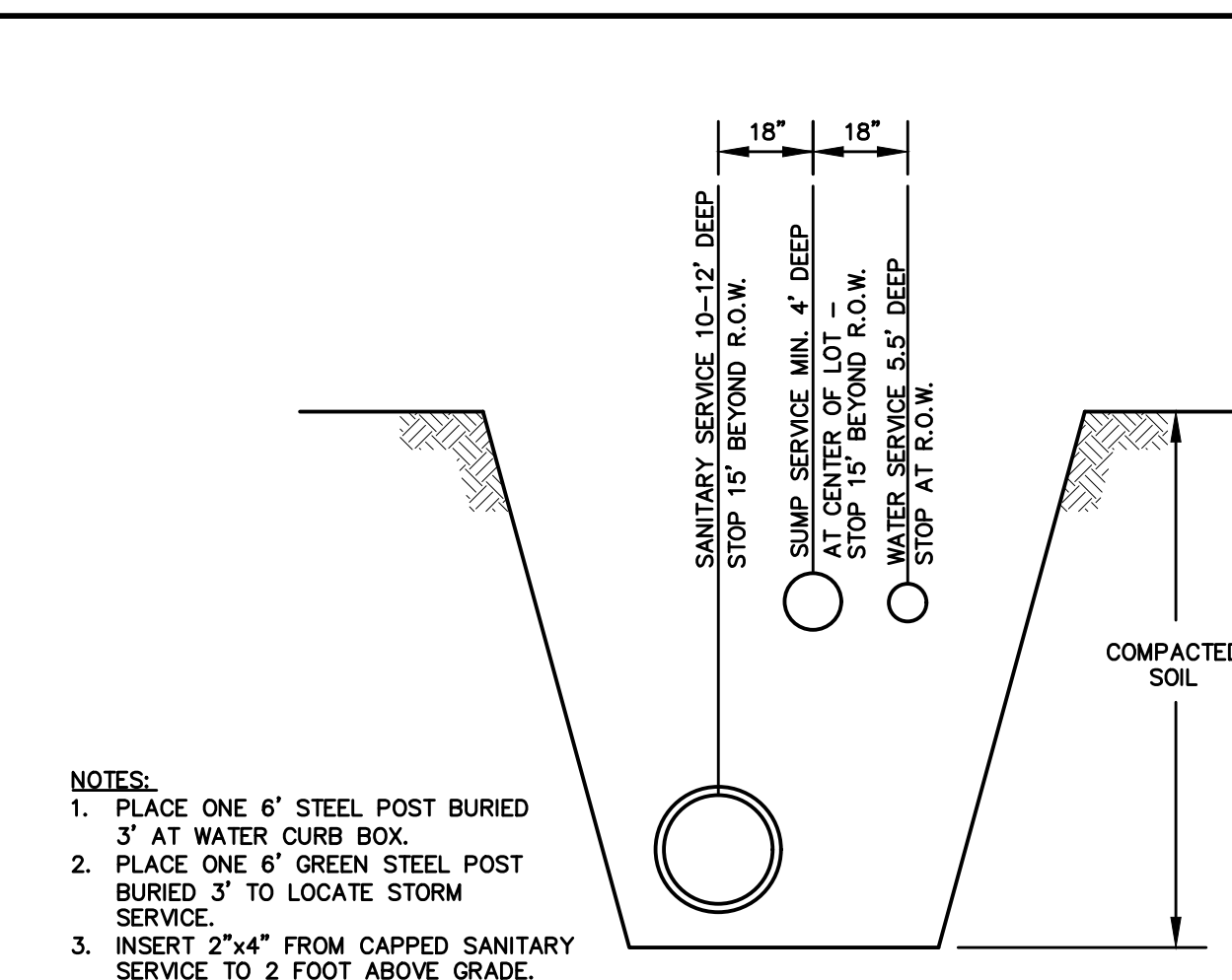
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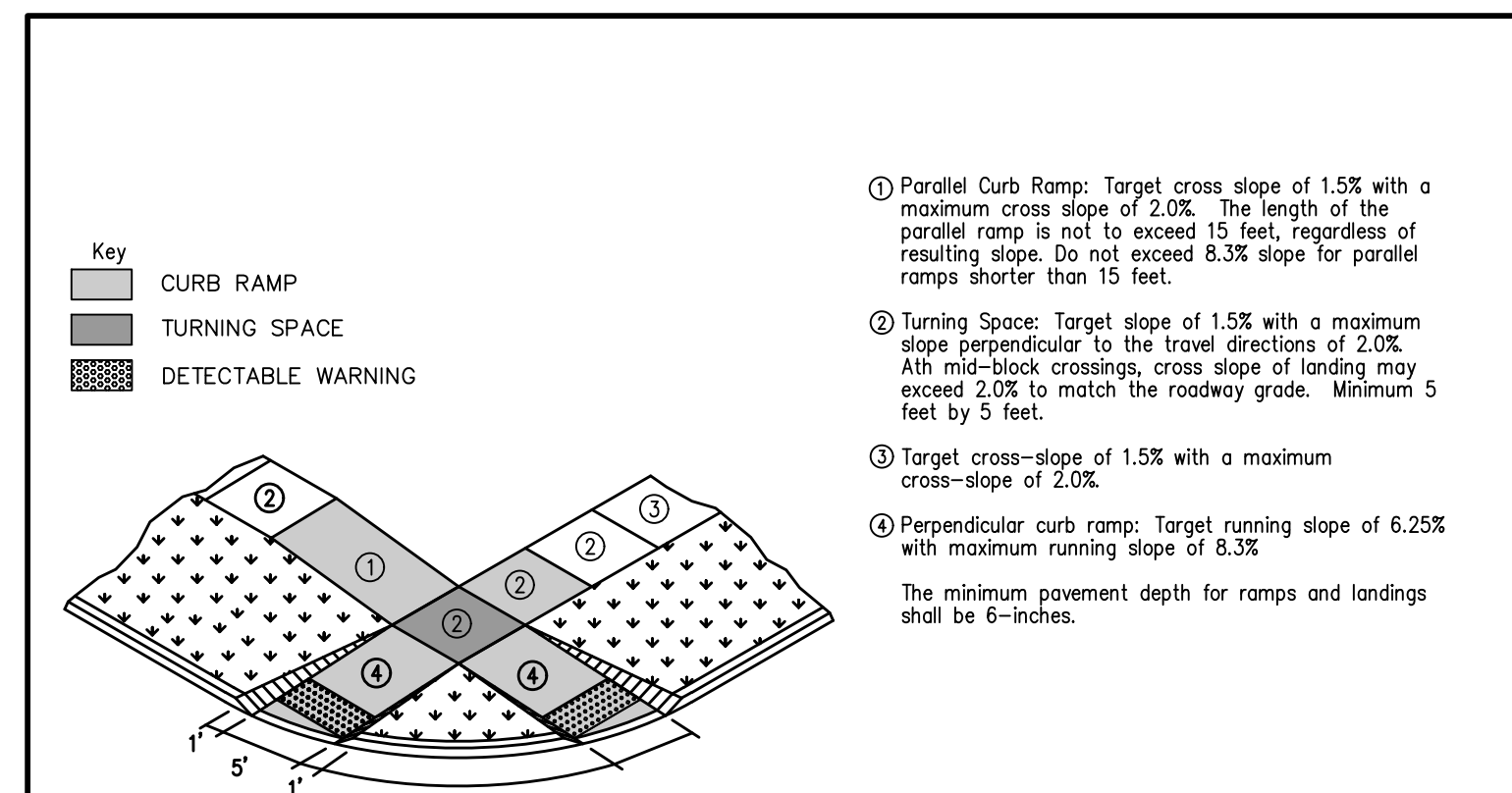
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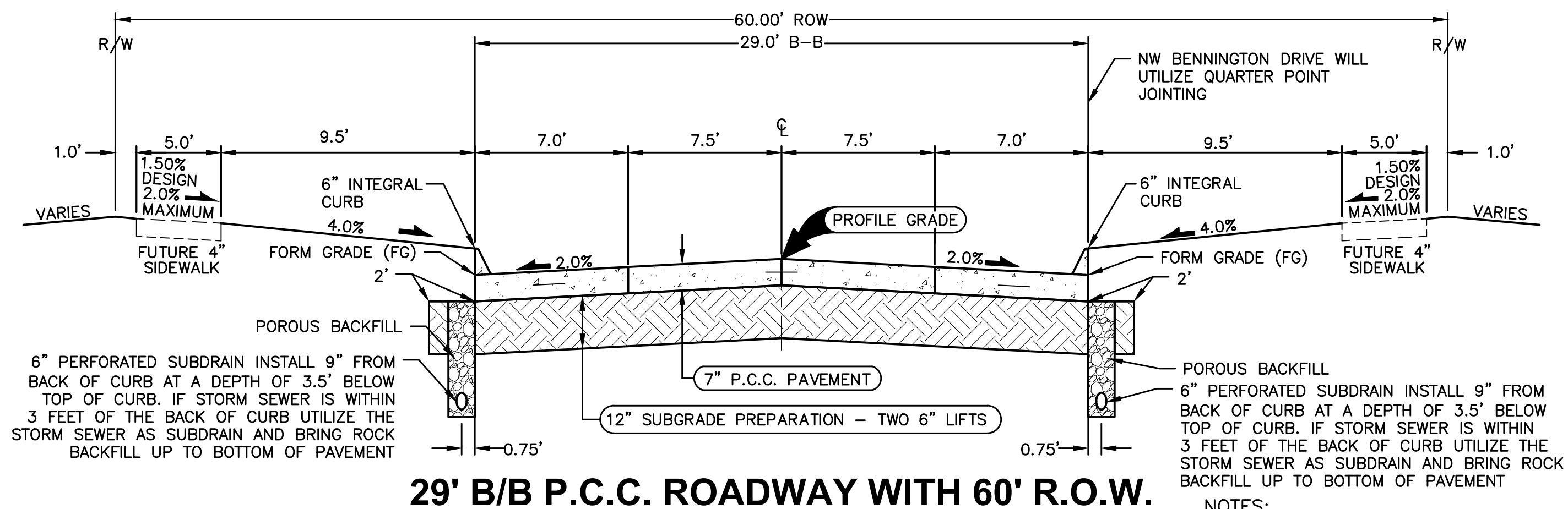
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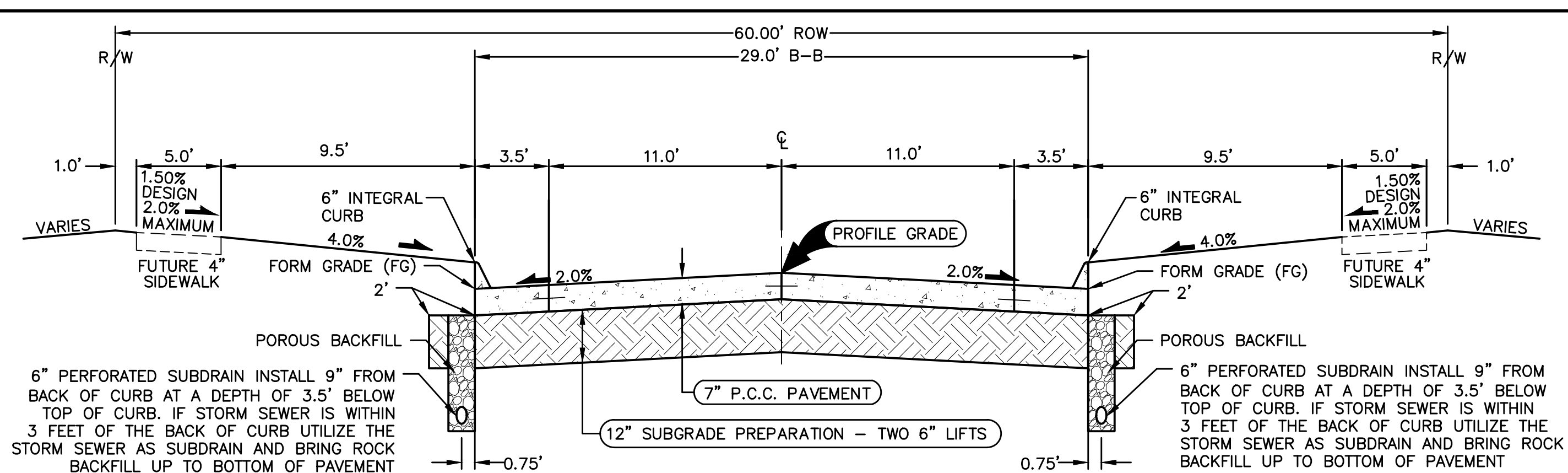
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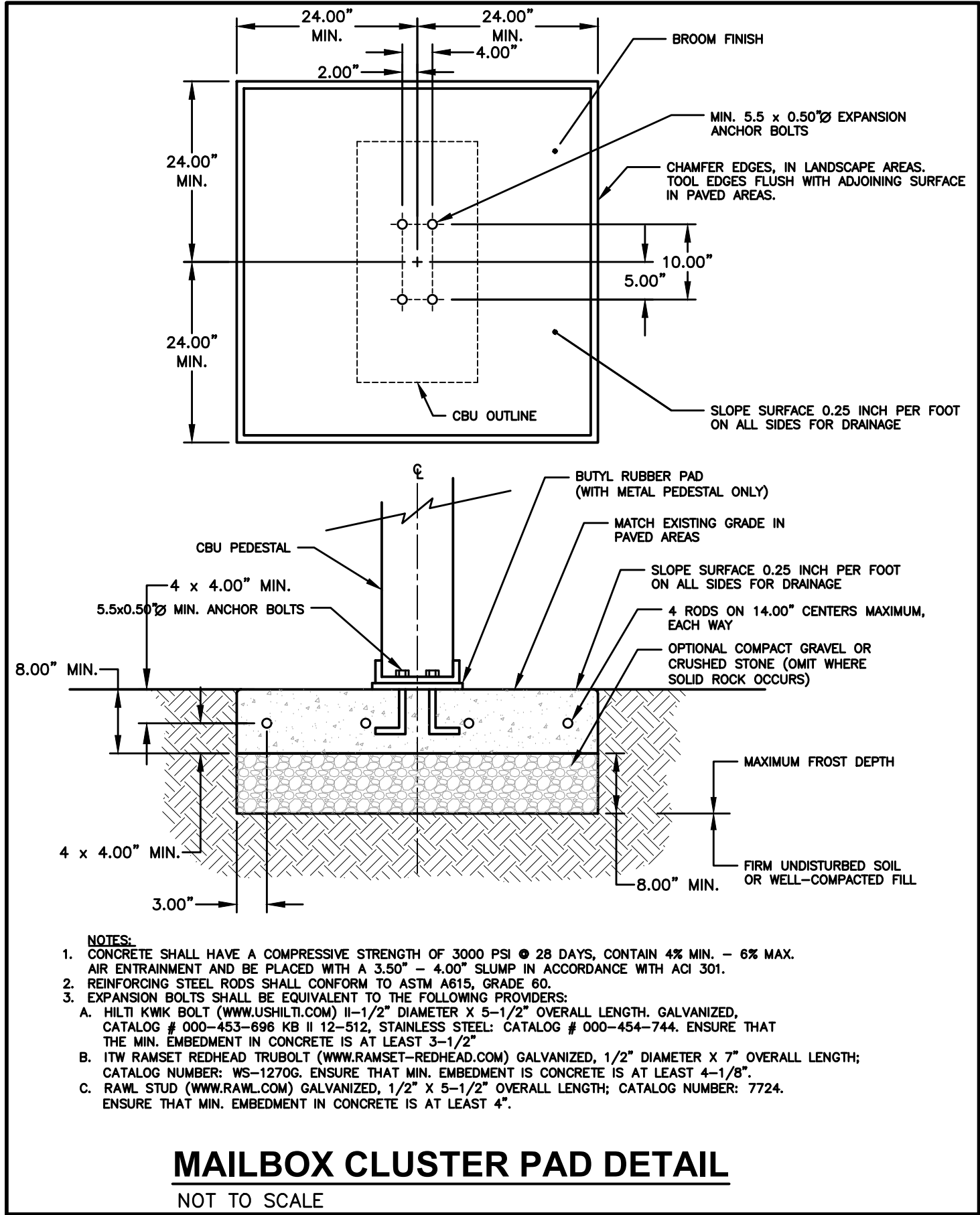
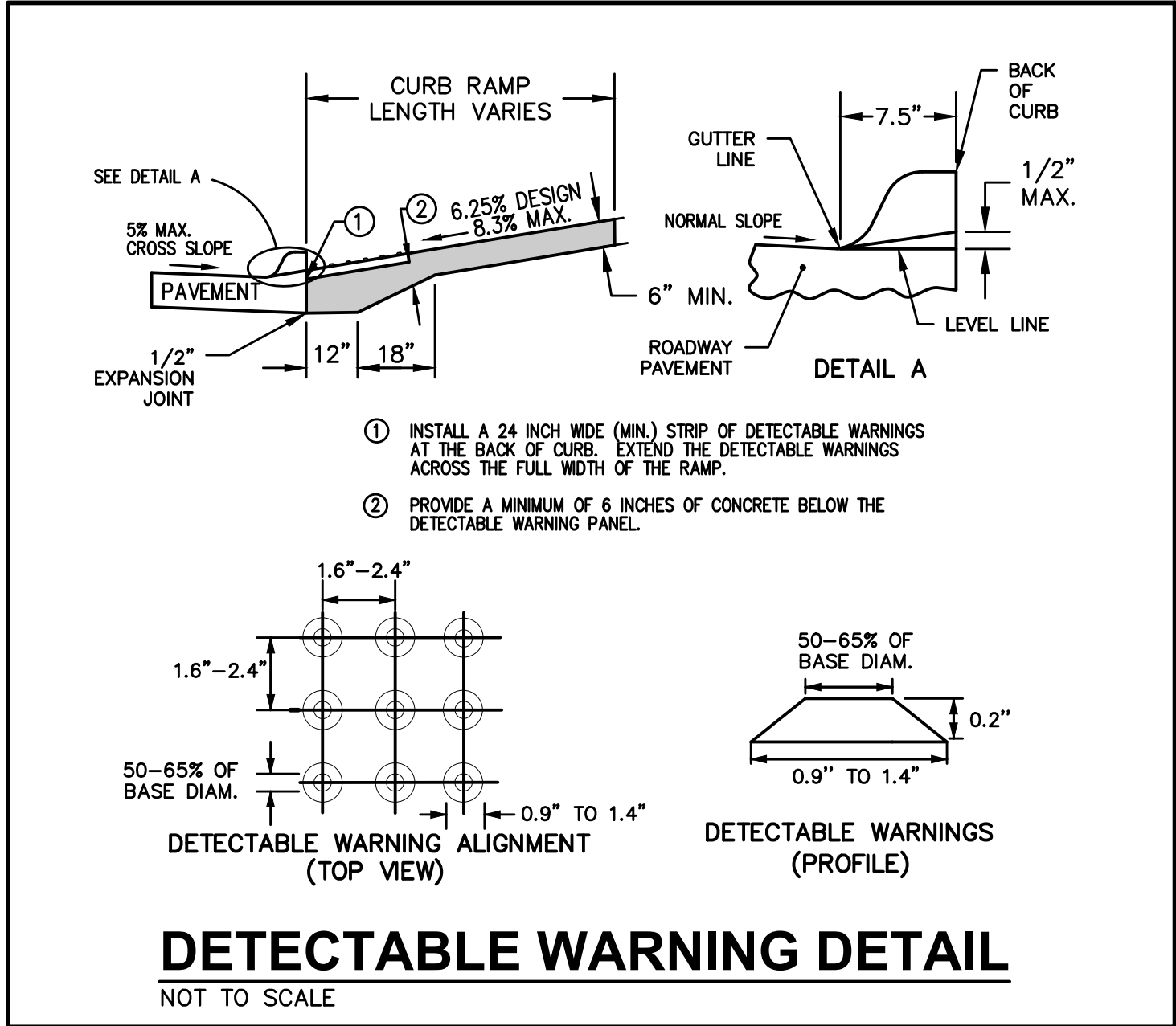
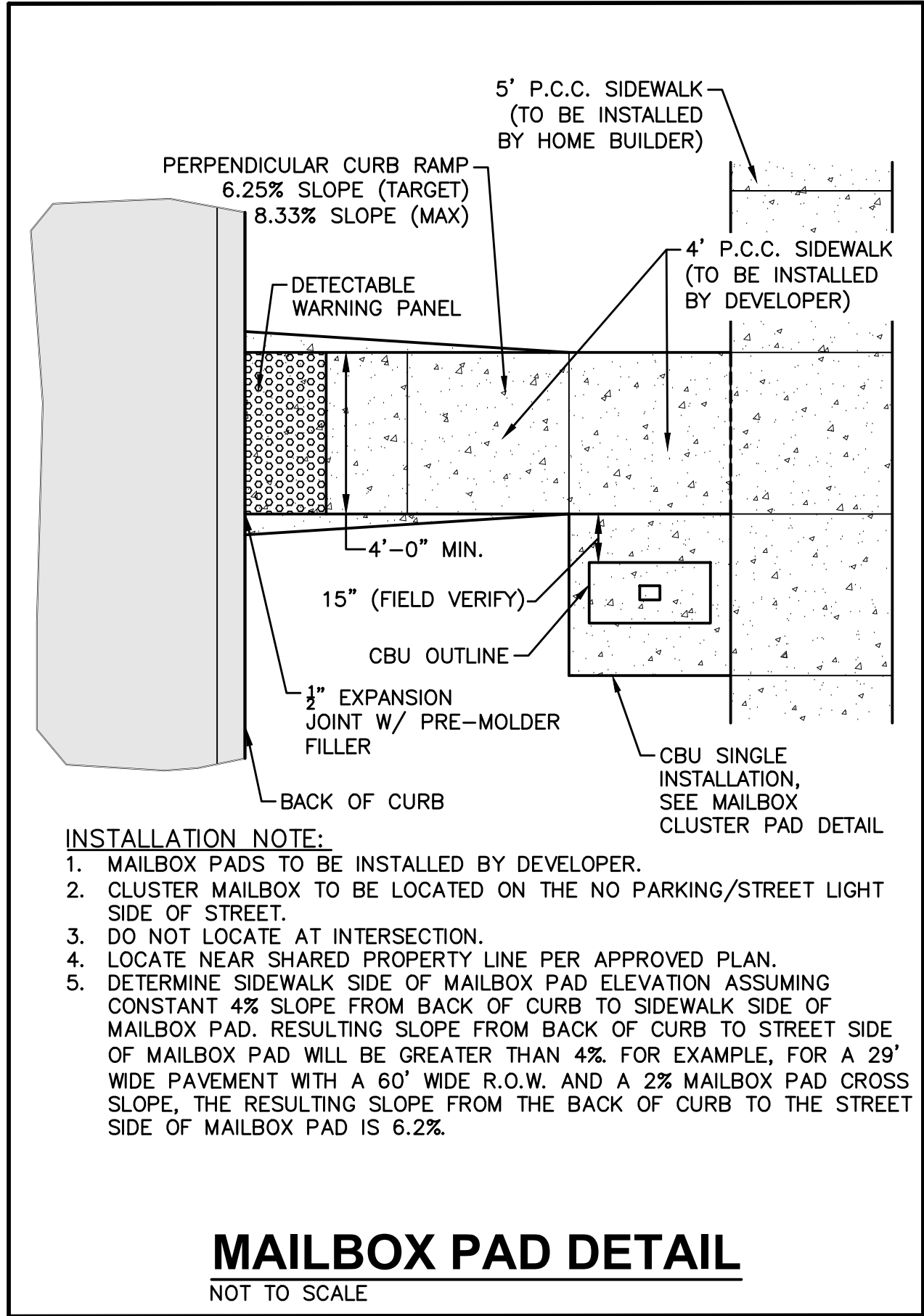
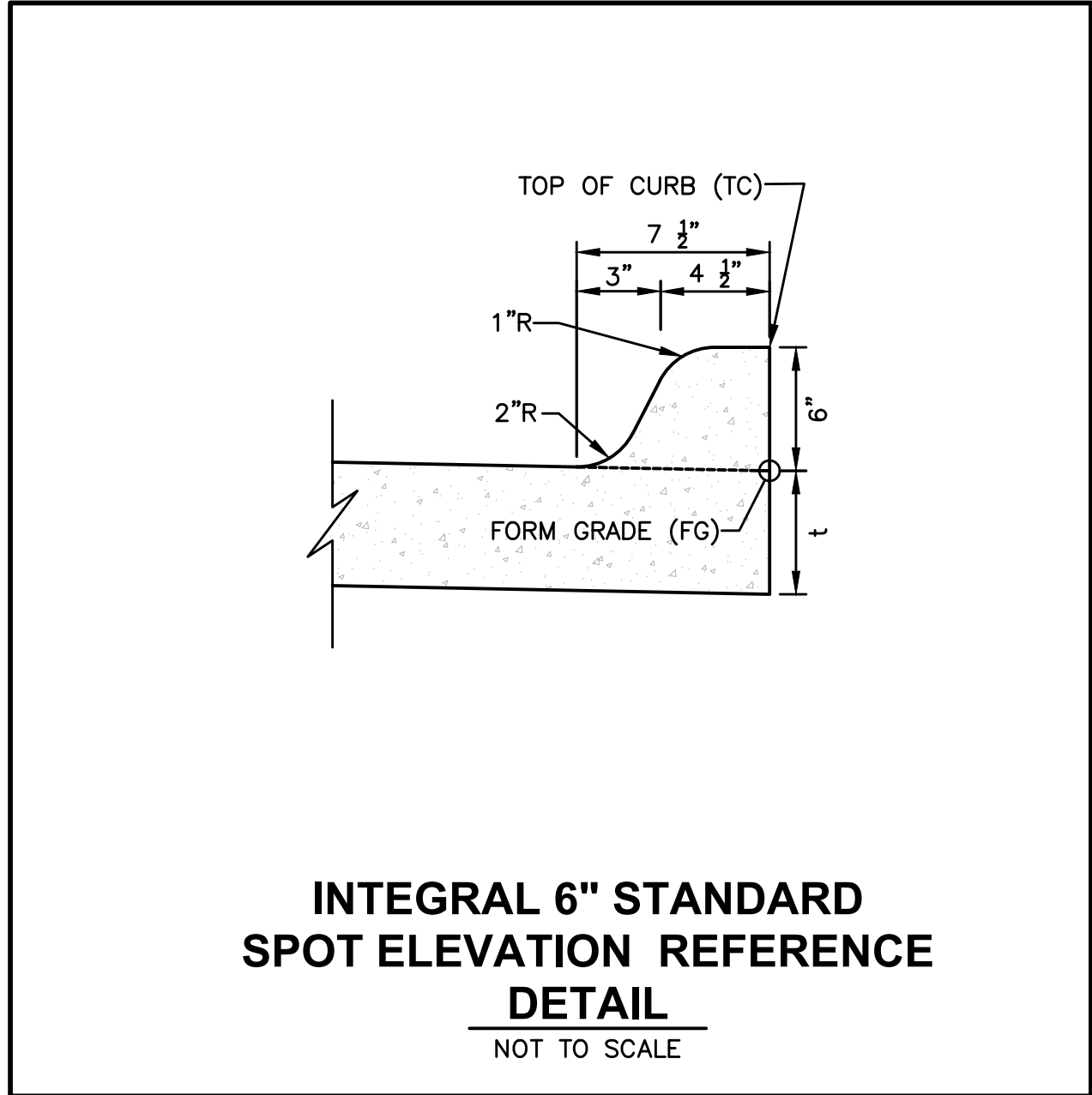
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NOT TO SCALE NW BENNINGTON DRIVE



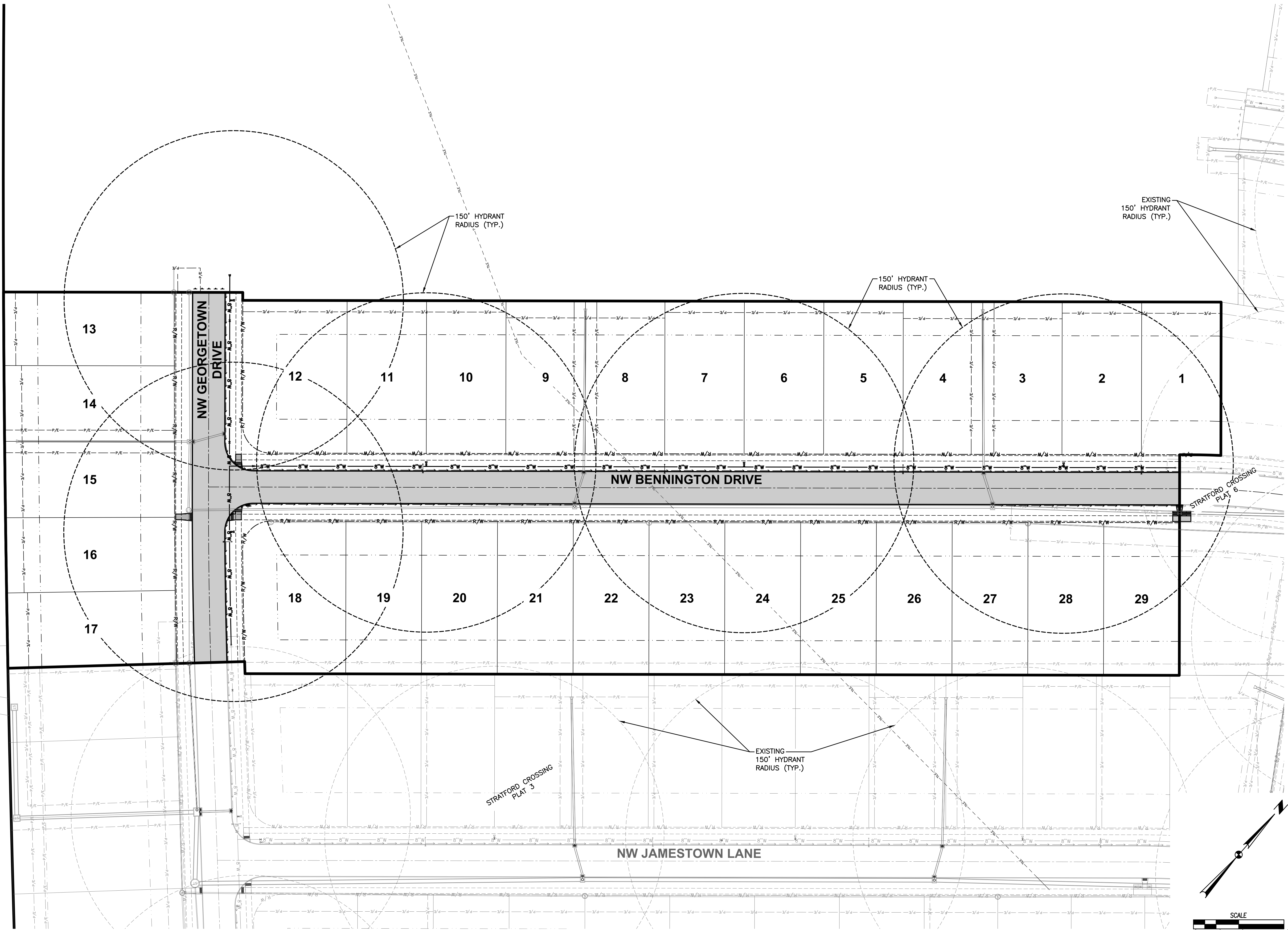
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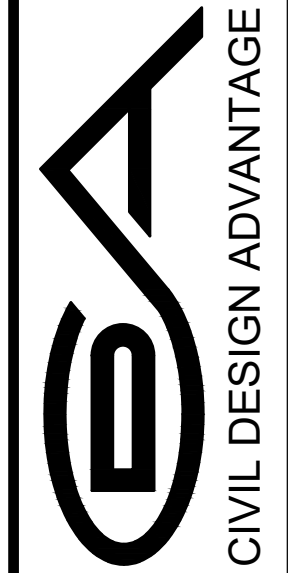
ENGINEER: ENG.

RACCOON RIVER VALLEY TRAIL



REVISIONS		DATE
AS-BUILT SUBMITTAL	11/12/2020	
FINAL SUBMITTAL	05/04/2020	
THIRD SUBMITTAL	04/20/2020	
SECOND SUBMITTAL	03/11/2020	
FIRST SUBMITTAL	02/18/2020	

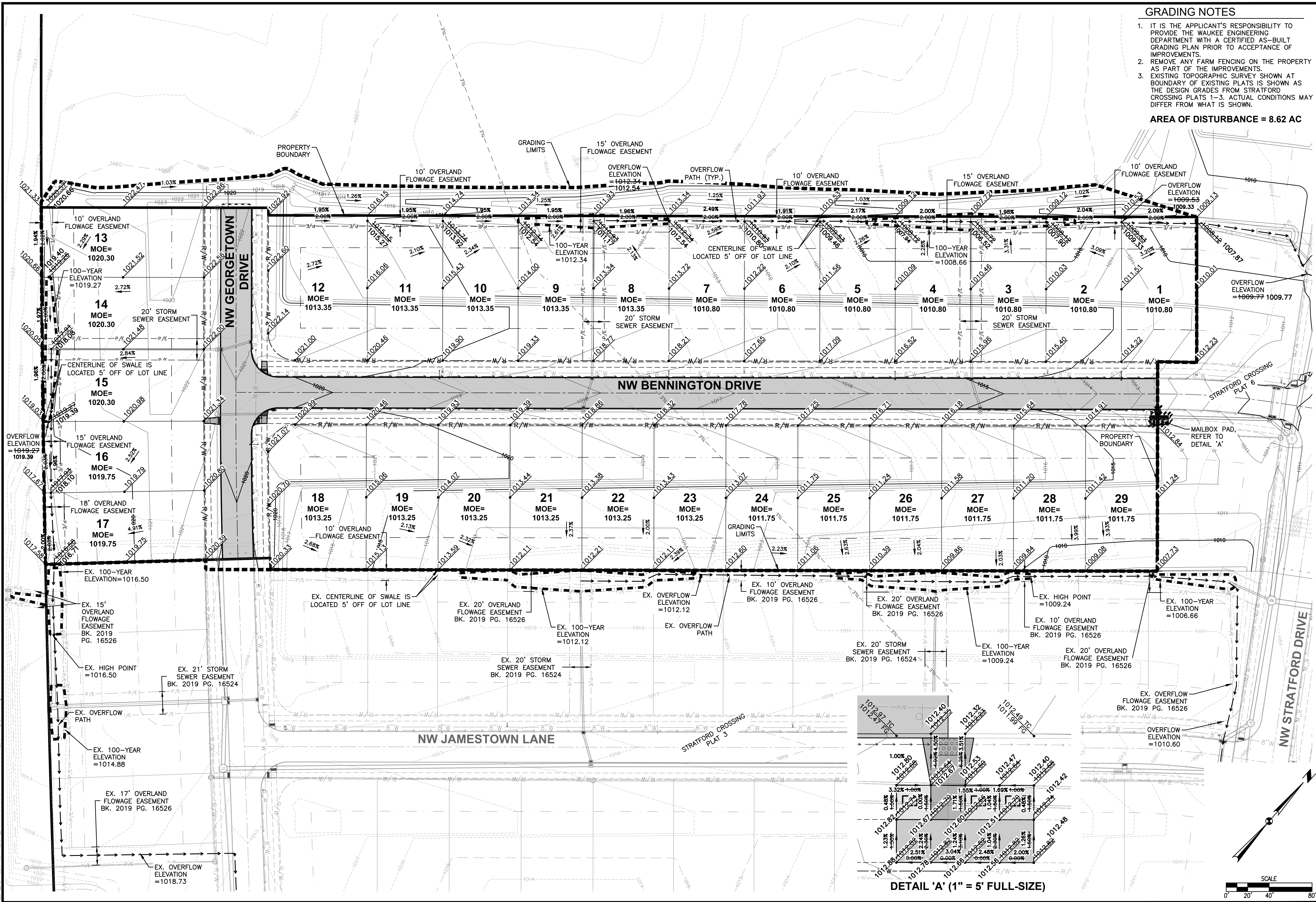
3405 S.E. CROSSROADS DRIVE, SUITE G
GRIMES, IOWA 50111
PHONE: (515) 369-4400 FAX: (515) 369-4410
ENGINEER: EKO
EI: GH/JWM



WAUKEE, IOWA

STRATFORD CROSSING PLAT 8
HYDRANT COVERAGE PLAN

COMMENTS: ENG.
FILE: H:\2020\2001042\2001042-GRADING-AS-BUILT.DWG
PLOT: 11/12/2020 2:41 PM
PLOT BY: ANTHON MCDONALD



GRADING NOTES

1. IT IS THE APPLICANT'S RESPONSIBILITY TO PROVIDE THE WAUKEE ENGINEERING DEPARTMENT WITH A CERTIFIED AS-BUILT GRADING PLAN PRIOR TO ACCEPTANCE OF IMPROVEMENTS.
2. REMOVE ANY FARM FENCING ON THE PROPERTY AS PART OF THE IMPROVEMENTS.
3. EXISTING TOPOGRAPHIC SURVEY SHOWN AT BOUNDARY OF EXISTING PLATS IS SHOWN AS THE DESIGN GRADES FROM STRATFORD CROSSING PLATS 1-3. ACTUAL CONDITIONS MAY DIFFER FROM WHAT IS SHOWN.

AREA OF DISTURBANCE = 8.62 AC

REVISIONS	
DATE	DESCRIPTION
11/12/2020	AS-BUILT SUBMITTAL
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03/11/2020	SECOND SUBMITTAL
02/18/2020	FIRST SUBMITTAL

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

6 STRATFORD CROSSING PLAT 8
GRADING PLAN
2001.042

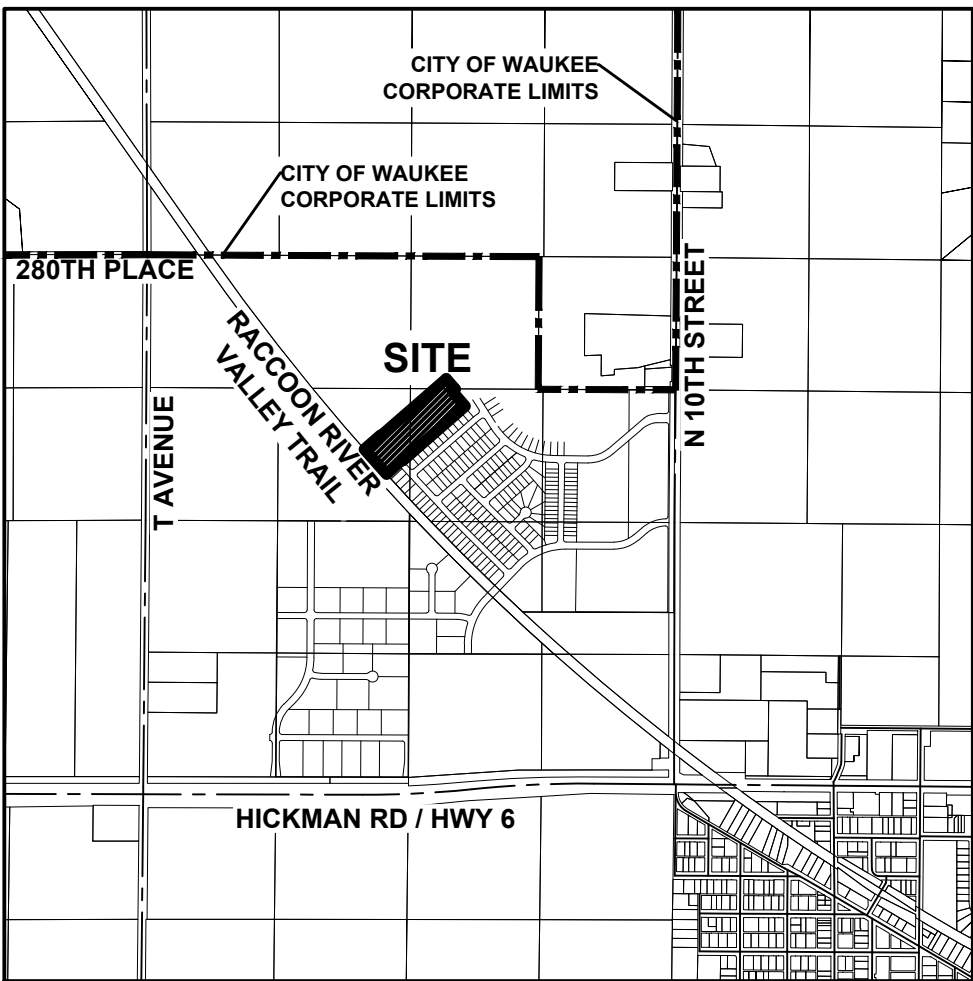
WAUKEE, IOWA

STRATFORD CROSSING PLAT 8

EROSION AND SEDIMENT CONTROL PLAN

VICINITY MAP

NOT TO SCALE



WAUKEE, IOWA

STABILIZATION QUANTITIES

ITEM NO.	ITEM	UNIT	TOTAL
1	SILT FENCE	LF	840
2	DITCH CHECKS	LF	626
3	FILTER SOCK	LF	58
4	SEEDING, FERTILIZING, AND MULCHING	AC	7.83
5	INLET PROTECTION DEVICES	EA	6
6	CONCRETE WASHOUT PIT	EA	1

SWPPP LEGEND

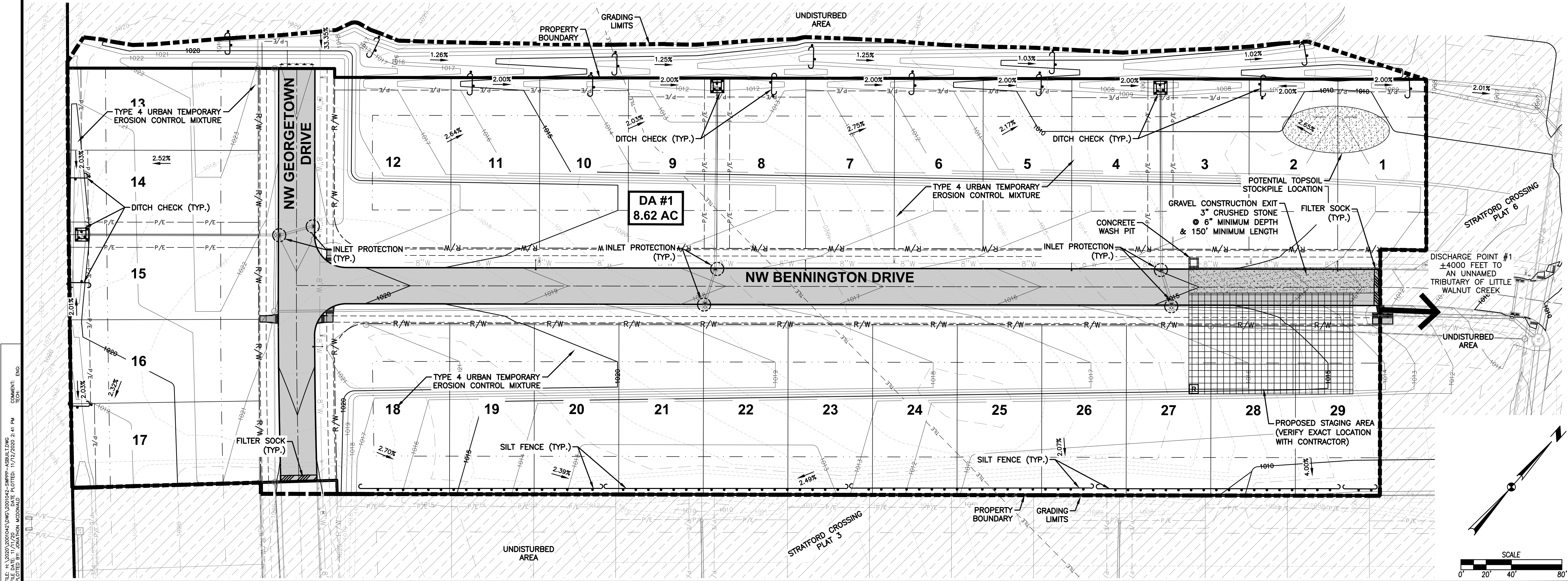
DRAINAGE ARROW	X.XX %	UNDISTURBED AREA	
GRADING LIMITS	---	GRAVEL ENTRANCE	
FILTER SOCK		STAGING AREA	
SILT FENCE	---	CONCRETE WASHOUT PIT	
DITCH CHECK	---		
INLET PROTECTION	○		
PORTABLE RESTROOM	R		

DISCHARGE POINT SUMMARY

DISCHARGE POINT #1 TO AN UNNAMED TRIBUTARY OF LITTLE WALNUT CREEK ±4000 FT	
TOTAL AREA DISTURBED TO DISCHARGE POINT	8.62 ACRES
STORAGE VOLUME REQUIRED (# OF ACRES*3600 CU FT)	31,032 CU FT
VOLUME PROVIDED IN FILTER SOCK (58 LF @ 5.0 CU FT/LF OF SOCK)	290 CU FT
VOLUME PROVIDED IN SILT FENCE (840 LF @ 10.0 CU FT/LF)	8,400 CU FT
VOLUME PROVIDED IN DITCH CHECKS (626 LF @ 15.0 CU FT/LF)	9,390 CU FT
VOLUME PROVIDED IN EXISTING TSB #1B (STRATFORD CROSSING PLAT 1)	169,446 CU FT
TOTAL VOLUME PROVIDED	187,526 CU FT

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 SEED 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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CHECKED BY: J. WILSON
PLOTTED BY: J. WILSON
DATE: 11/12/2020 2:41 PM
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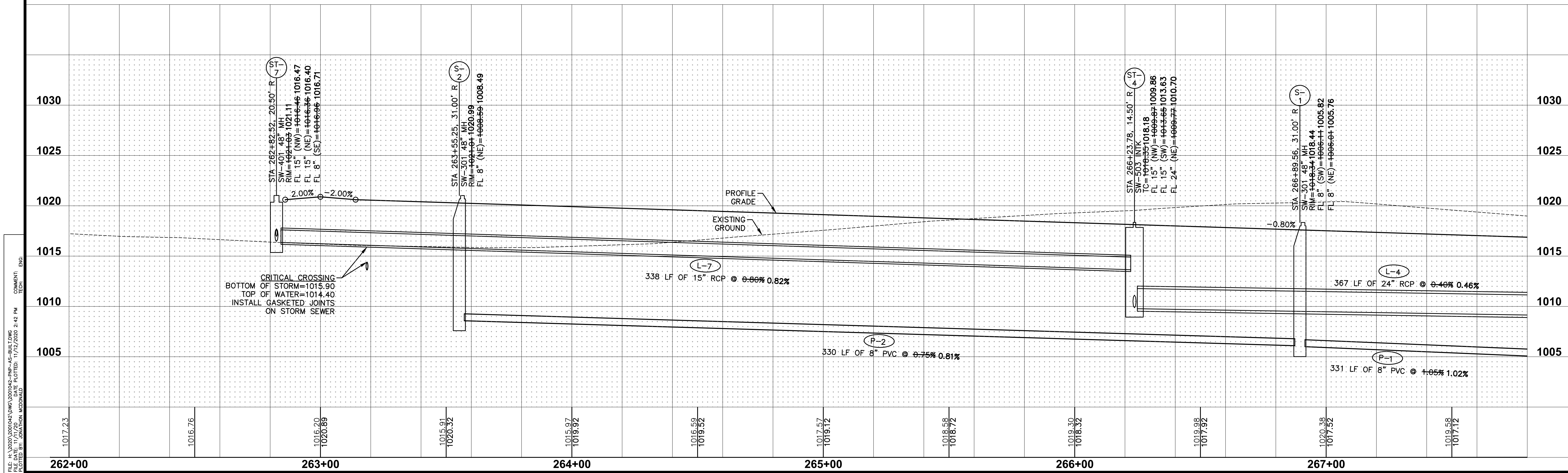
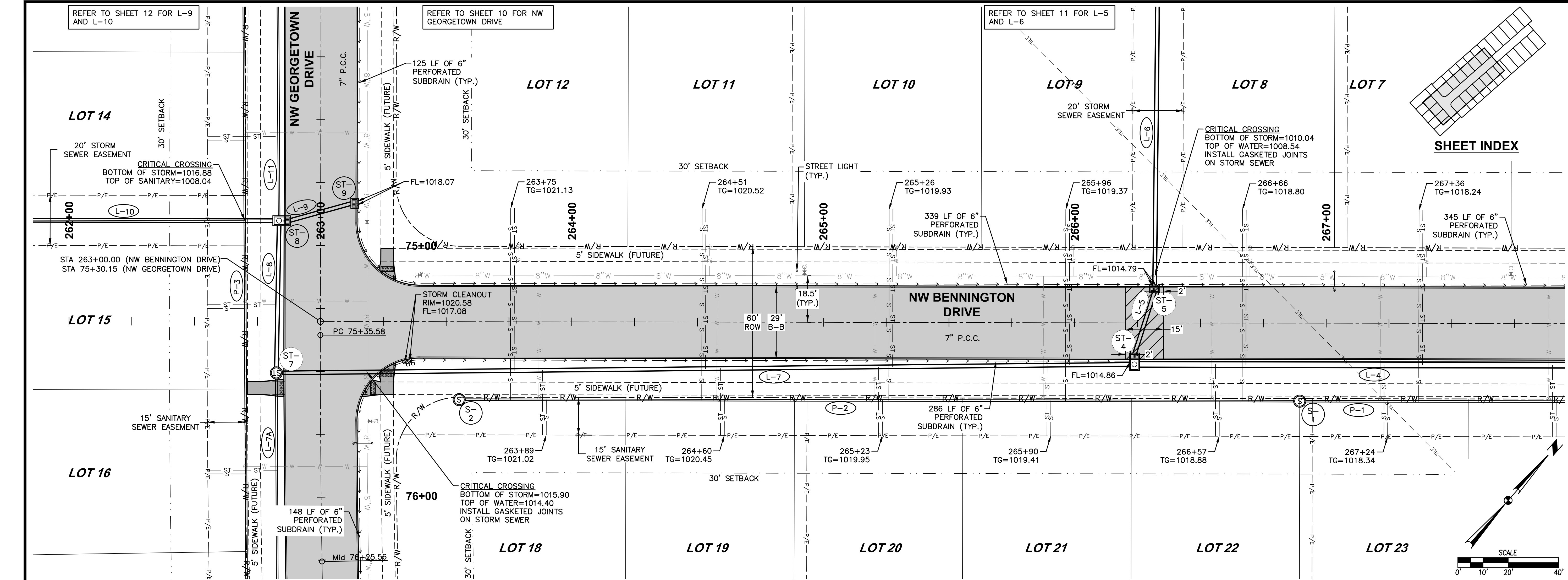
DATE	REVISIONS
11/12/2020	AS-BUILT SUBMITTAL
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04/20/2020	THIRD SUBMITTAL
03/11/2020	SECOND SUBMITTAL
02/18/2020	FIRST SUBMITTAL

3405 S.E. CROSSROADS DRIVE, SUITE G
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ENGINEER: EKO
EI: GH/JWM



WAUKEE, IOWA

STRATFORD CROSSING PLAT 8
EROSION AND SEDIMENT CONTROL PLAN



DATE: 05/04/2020
AS-BUILT SUBMITTAL
FINAL SUBMITTAL
THIRD SUBMITTAL
SECOND SUBMITTAL
FIRST SUBMITTAL

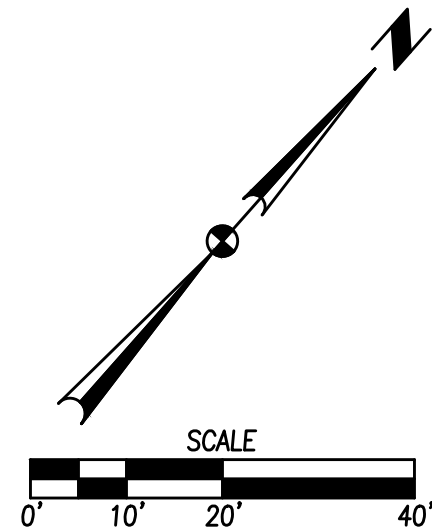
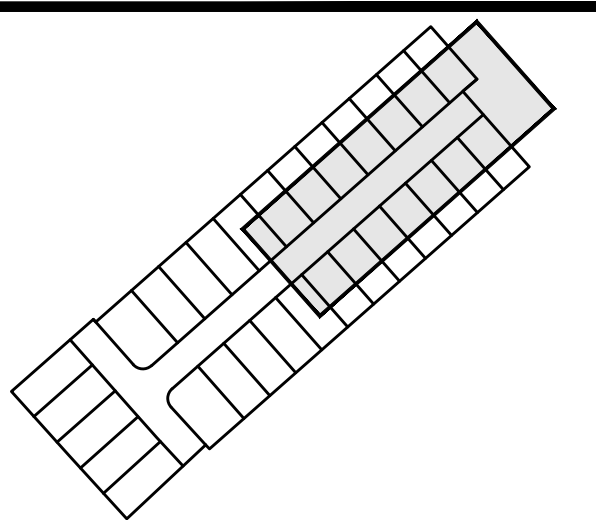
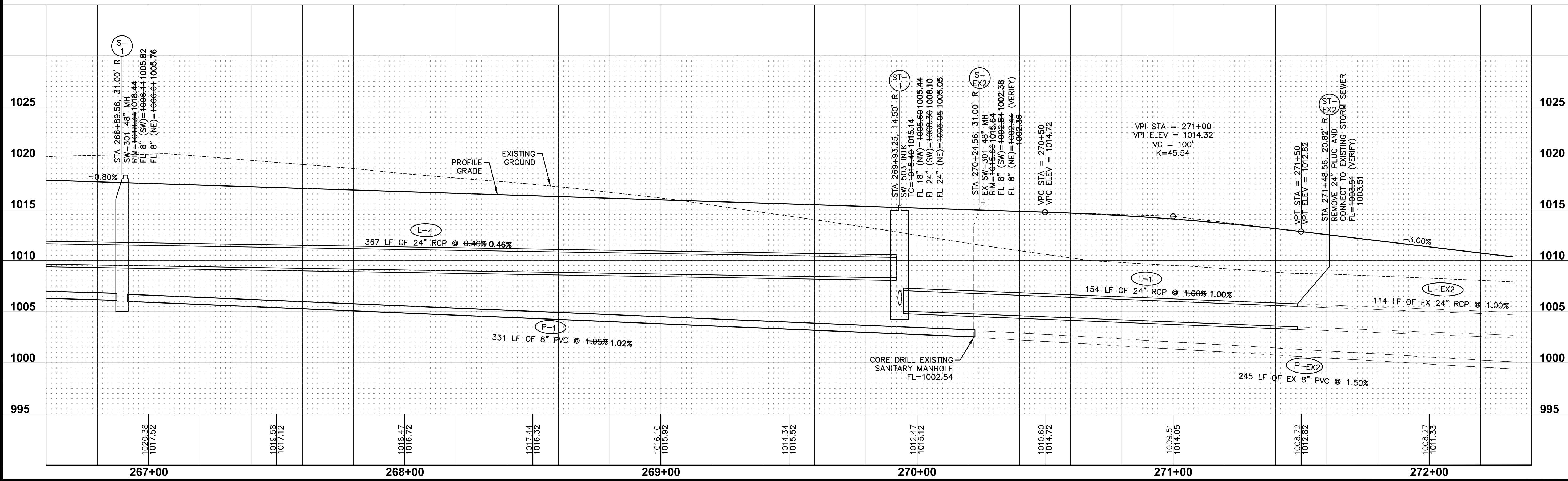
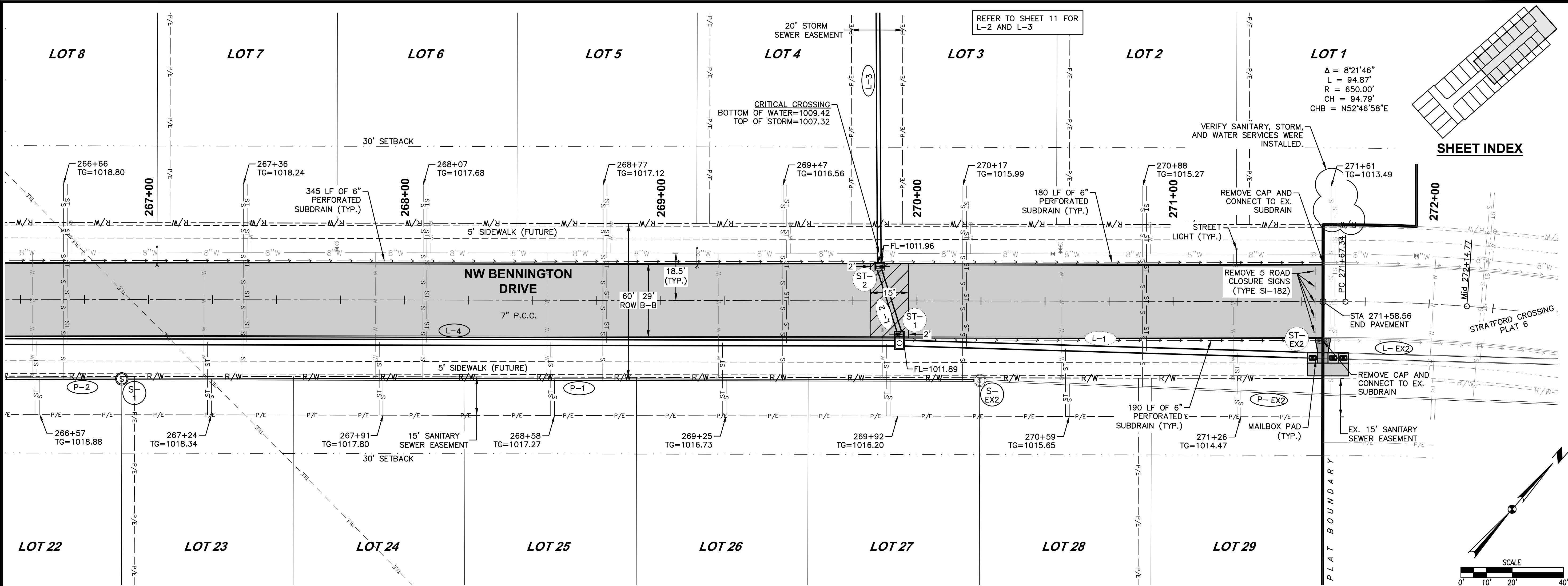
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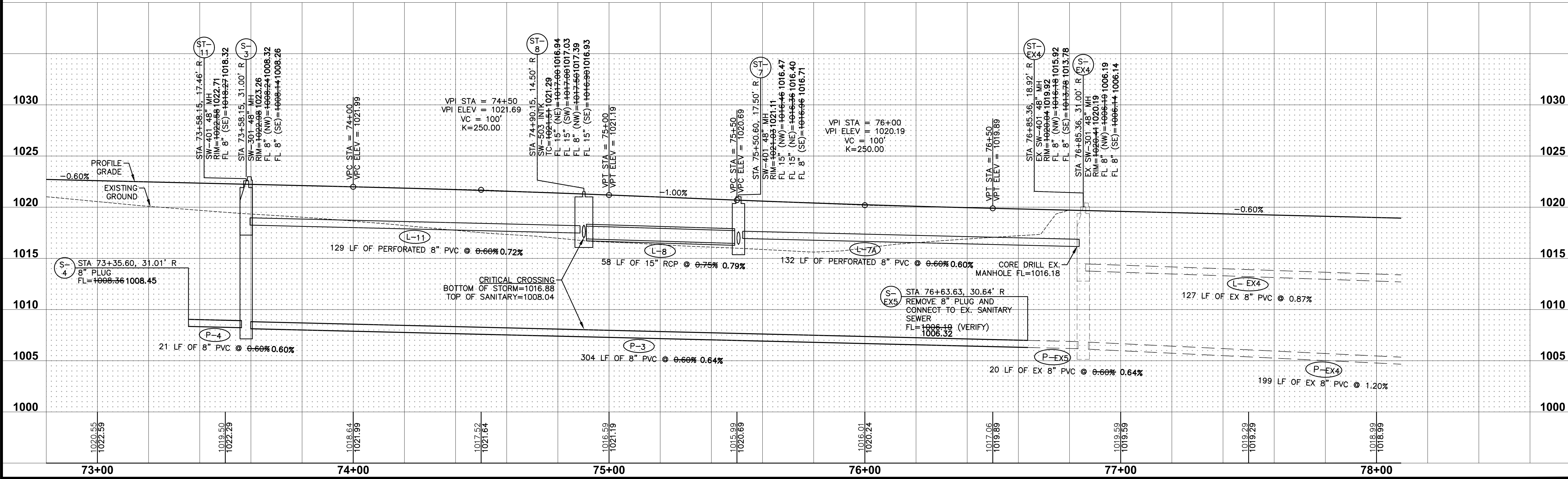
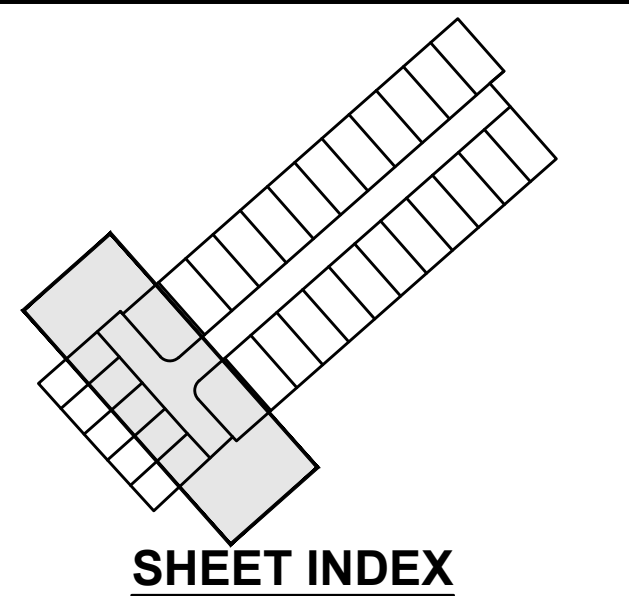
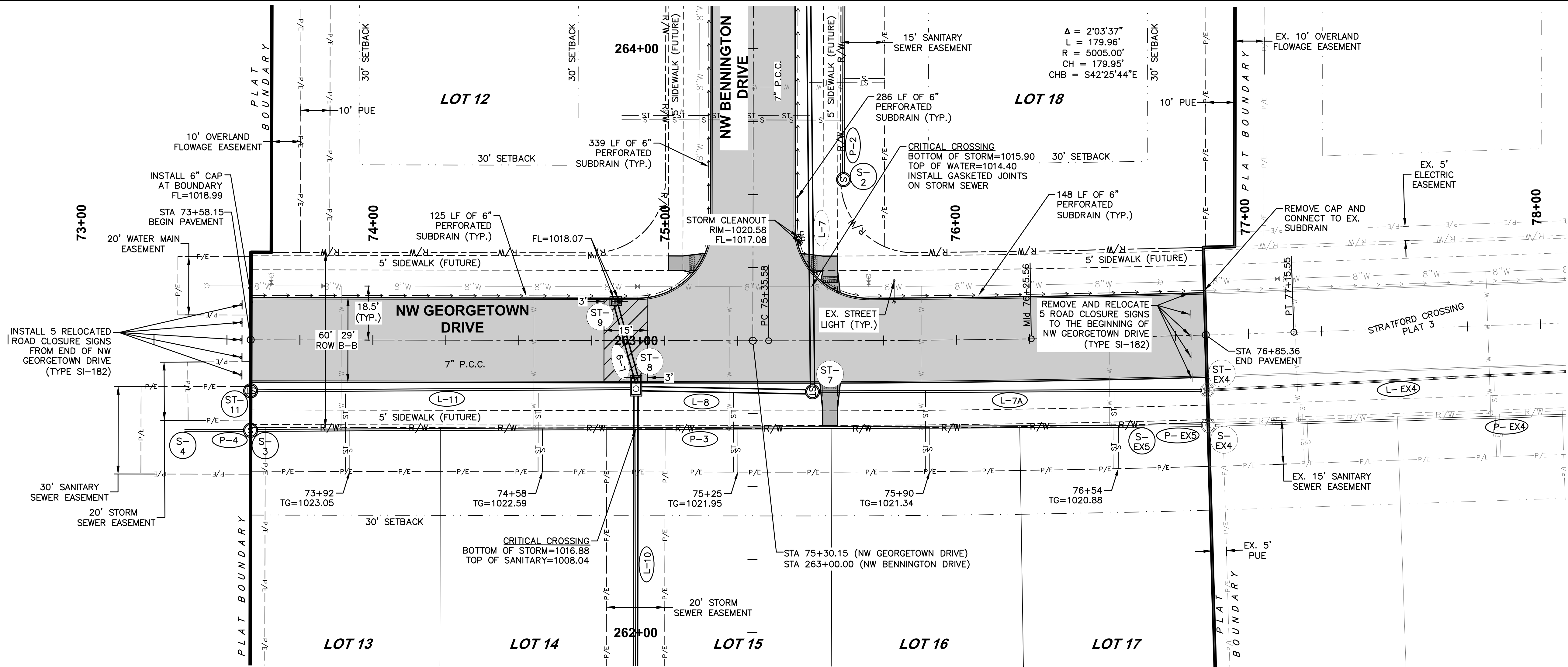
3405 S.E. CROSSROADS DRIVE, SUITE G
GRIMES, IOWA 50111
PHONE: (515) 369-4400 FAX: (515) 369-4410
ENGINEER: EKO
EI: GH/JWM

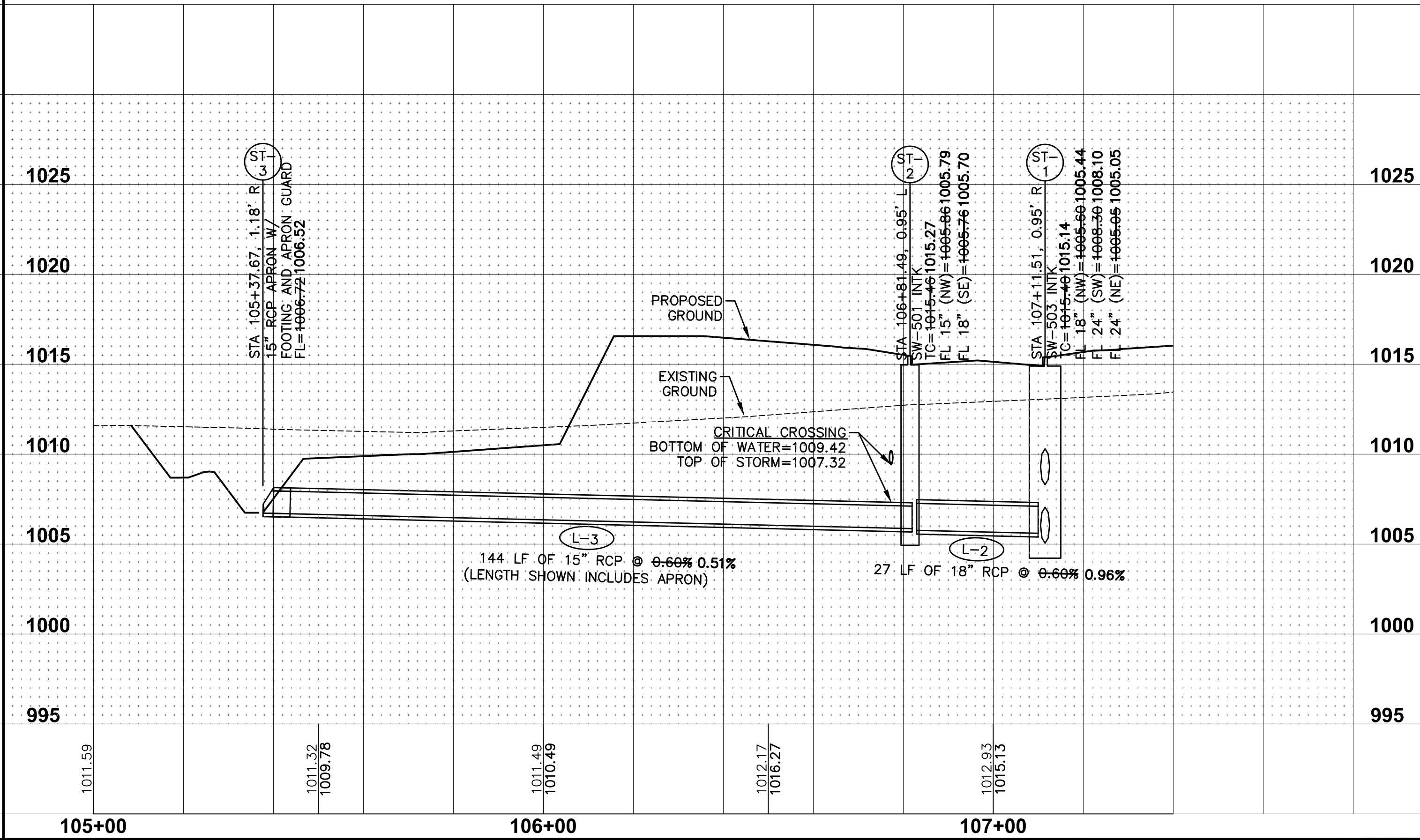
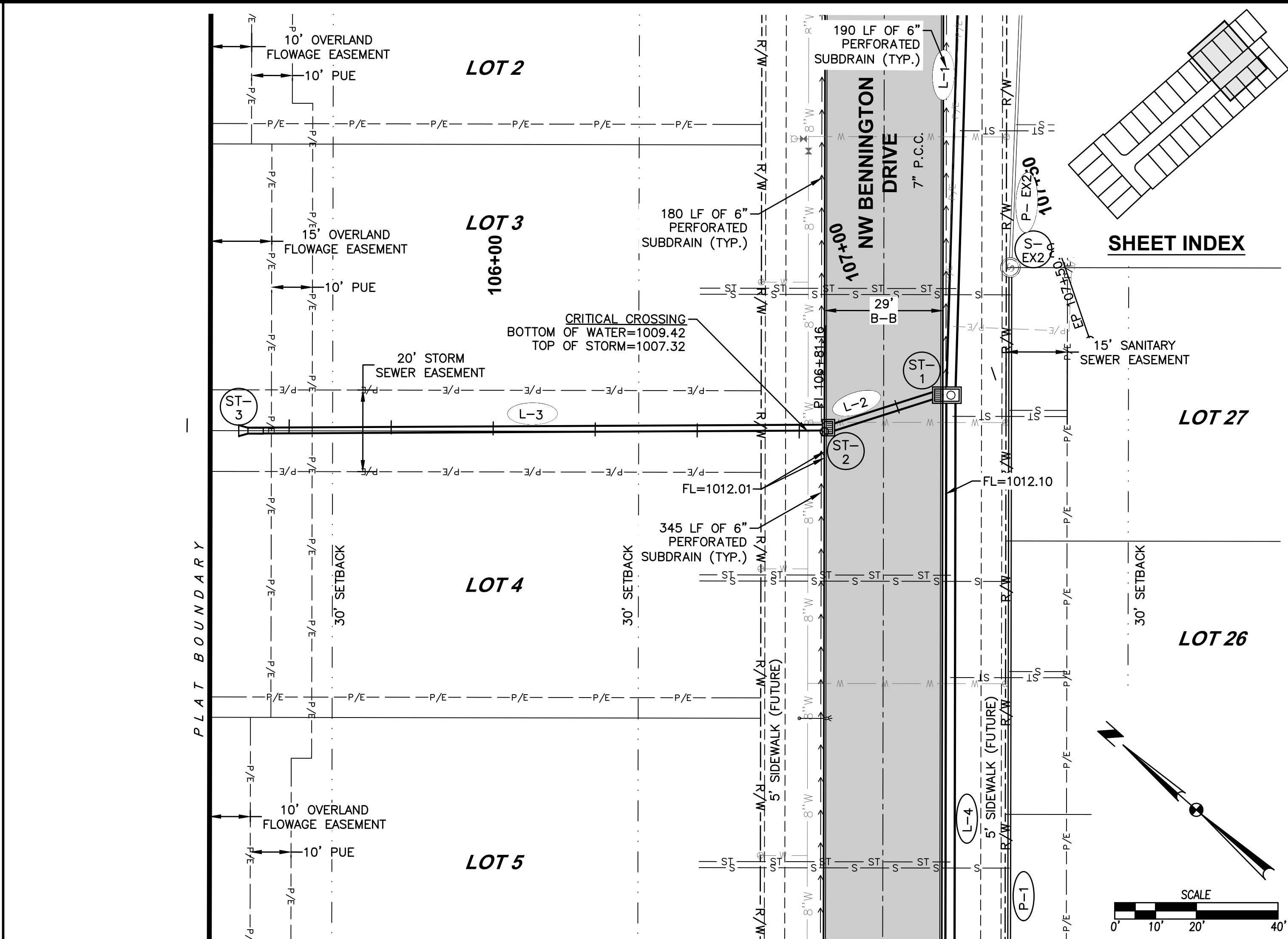
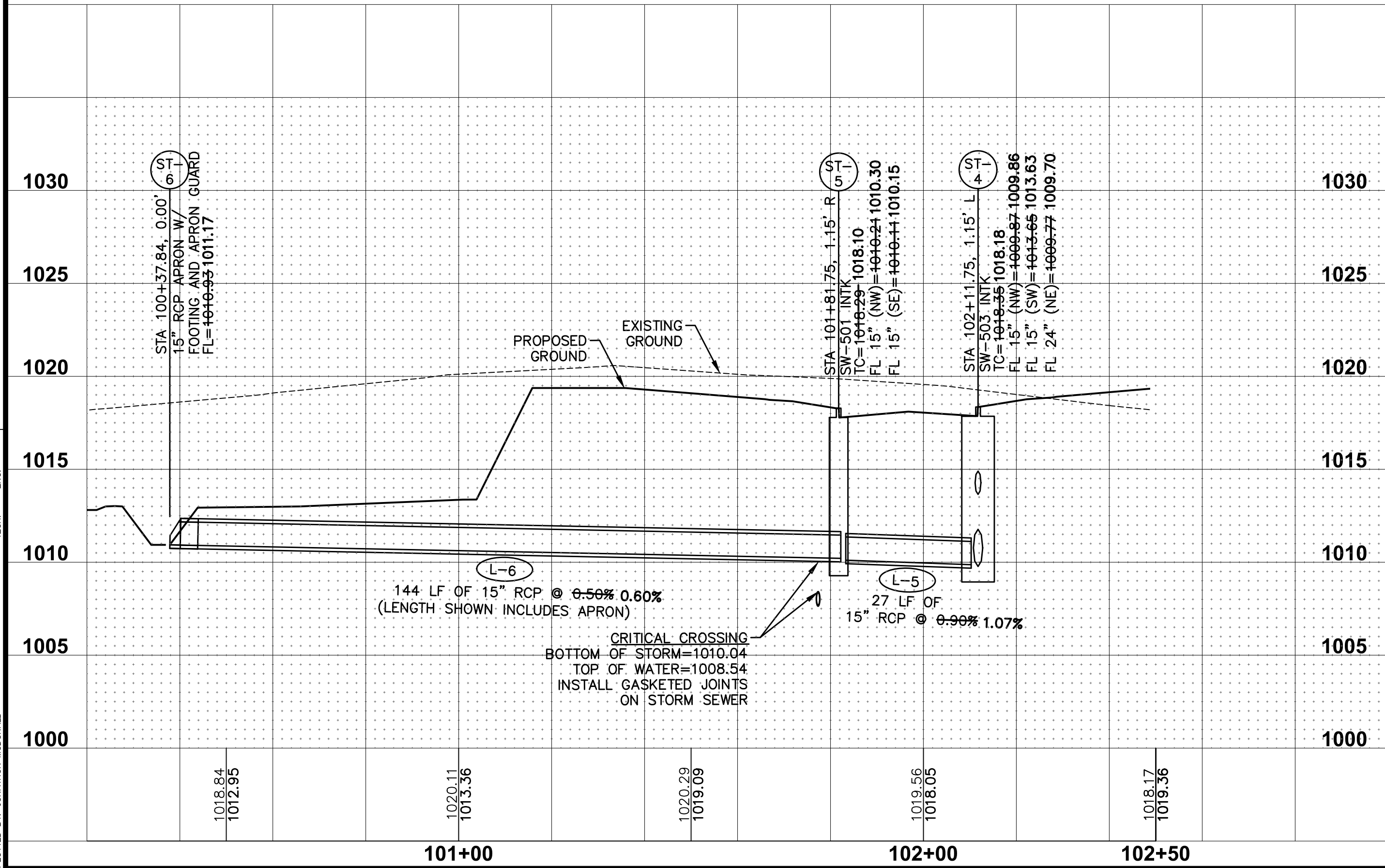
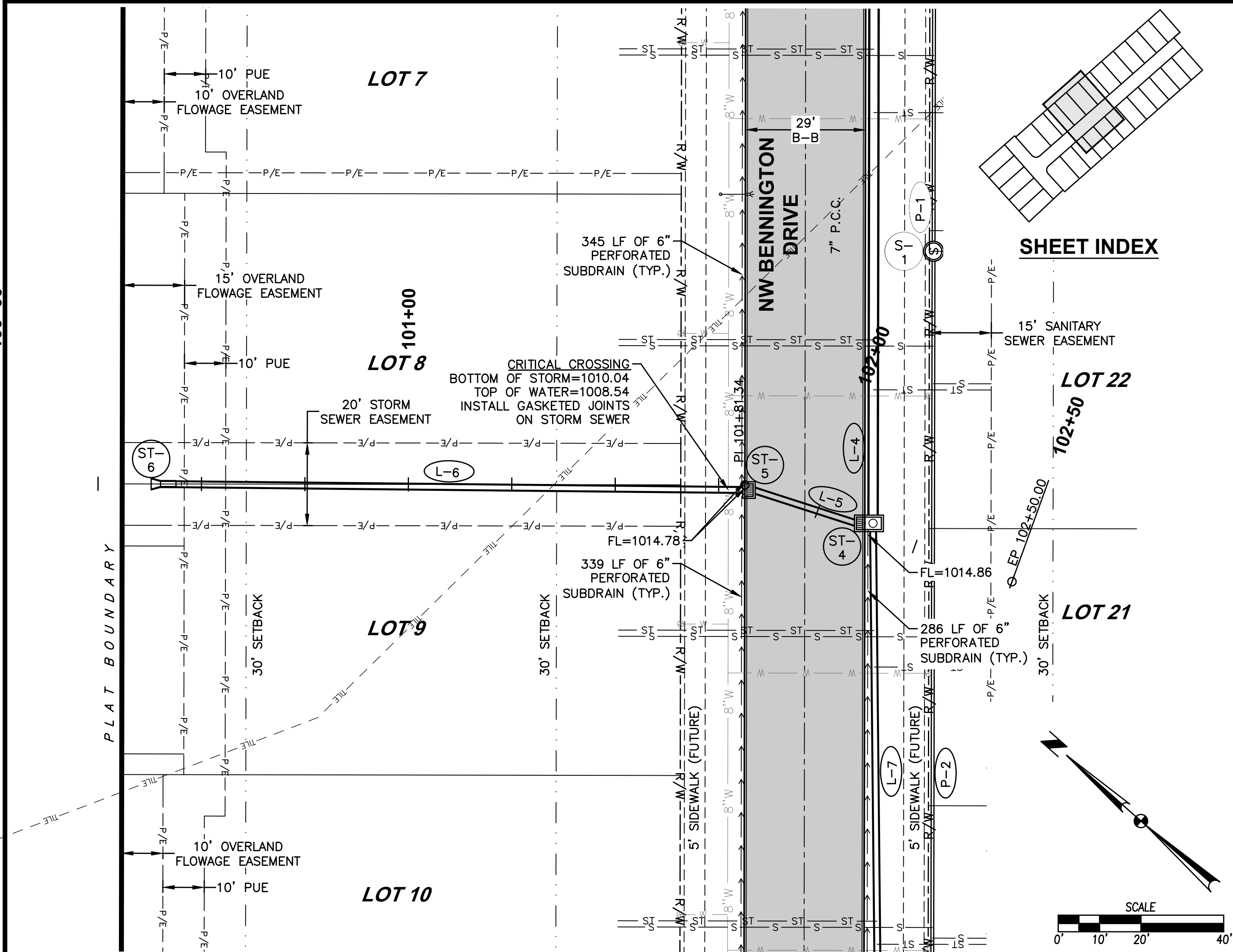
STRATFORD CROSSING PLAT 8
STORM AND SANITARY PLAN AND PROFILE
WAUKEE, IOWA

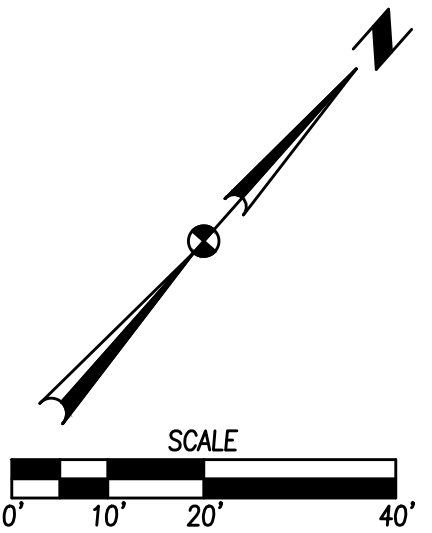
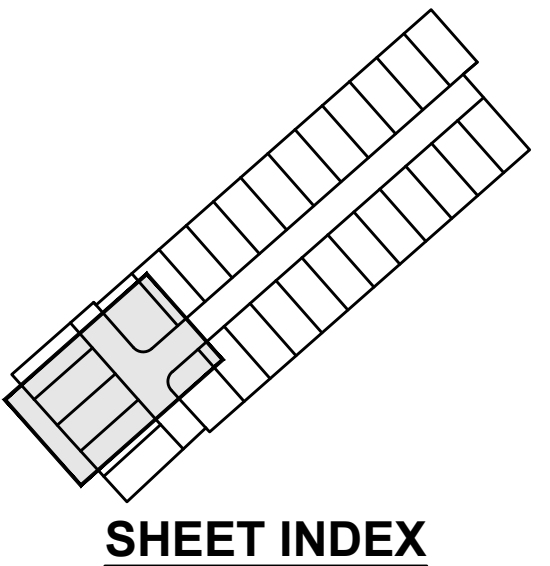
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CHECKED BY: JAVIER MORALES
COMMENTS: ENG.









REVISIONS	DATE
AS-BUILT #1UBMITTAL	XX/XX/2020
FINAL SUBMITTAL	05/04/2020
THIRD SUBMITTAL	04/20/2020
SECOND SUBMITTAL	03/11/2020
FIRST SUBMITTAL	02/18/2020

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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CDA
CIVIL DESIGN ADVANTAGE

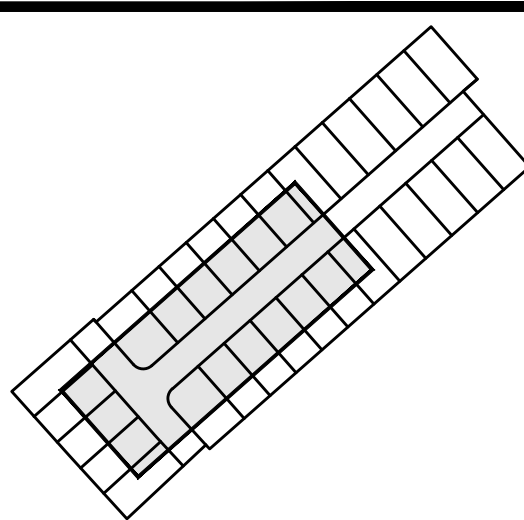
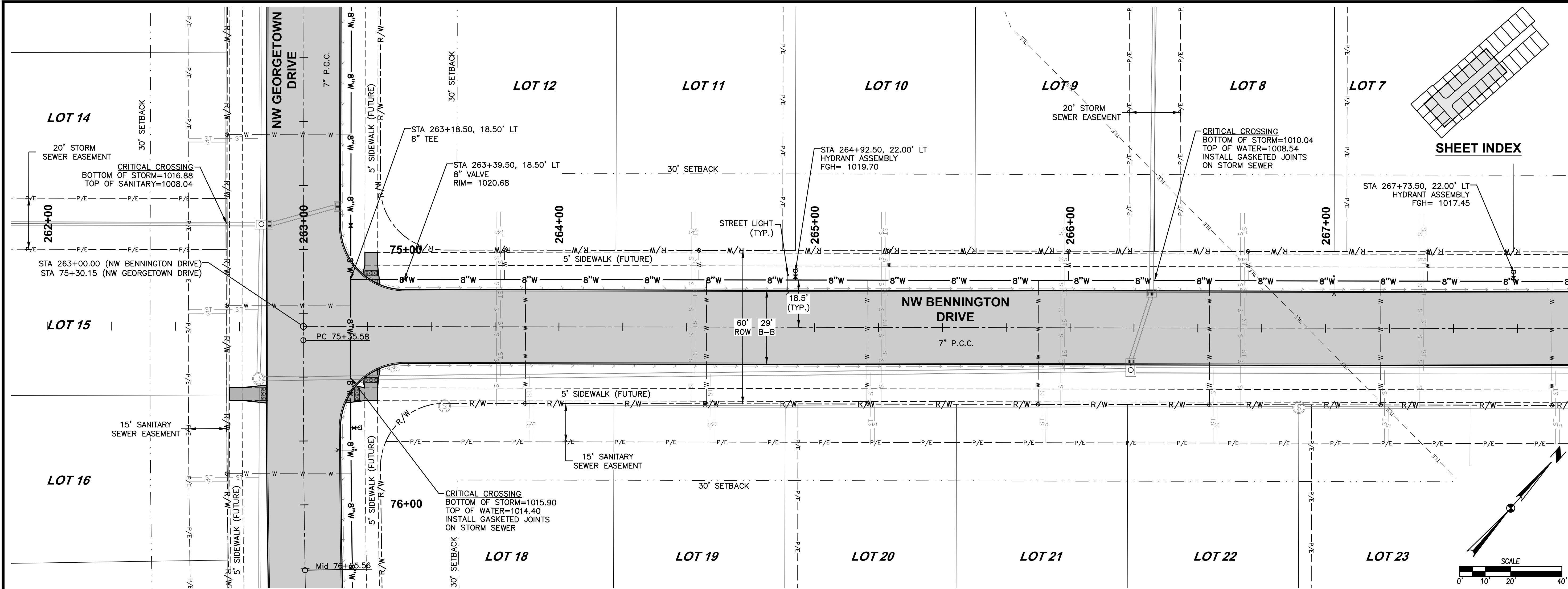
STRATFORD CROSSING PLAT 8

STORM AND SANITARY PLAN AND PROFILE

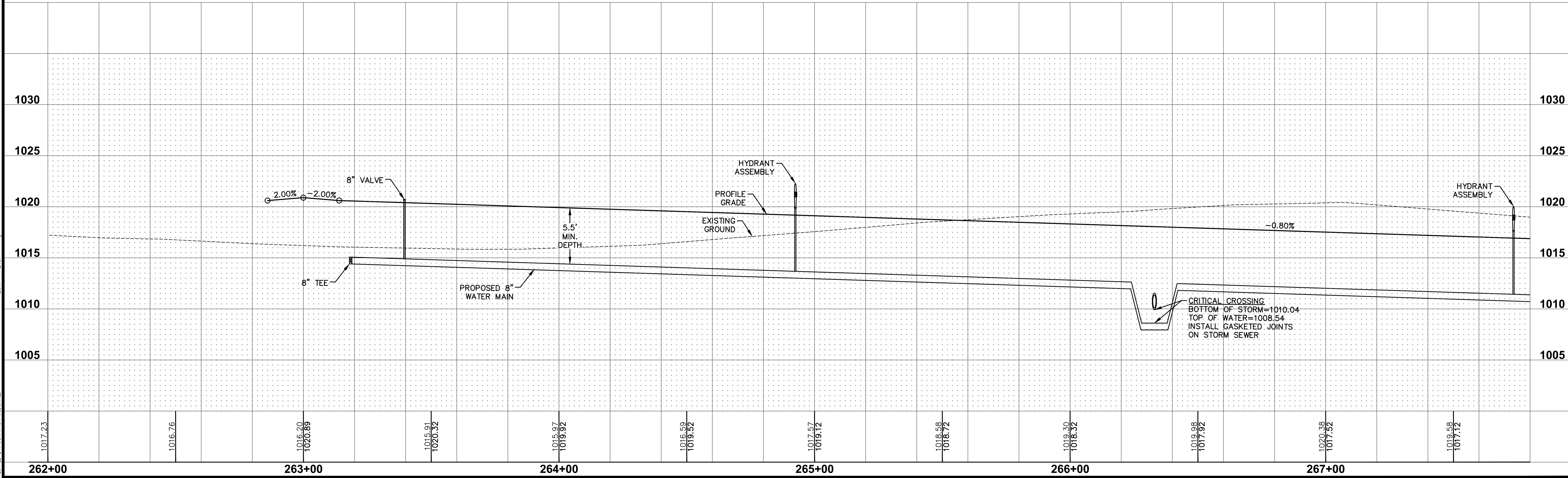
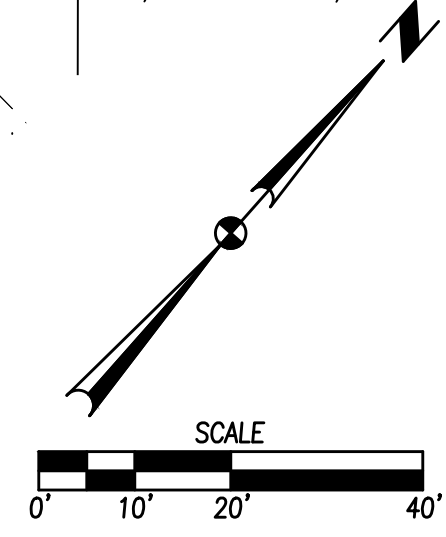
WAUKEE, IOWA

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PLOT: 11/12/2020 2:44 PM



SHEET INDEX



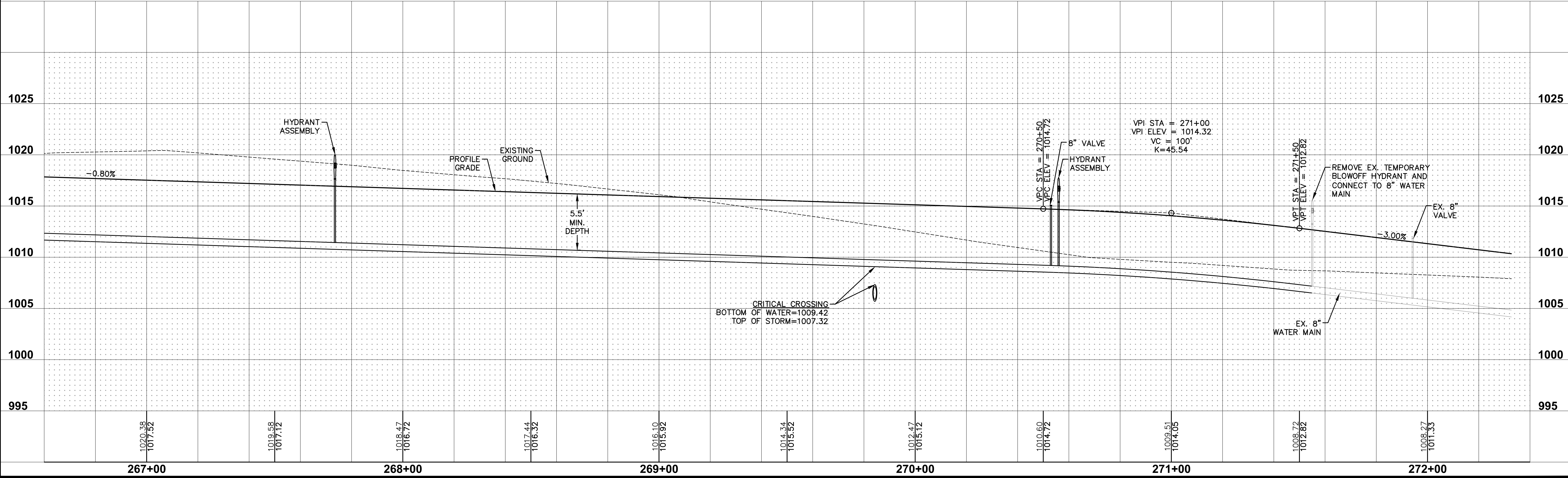
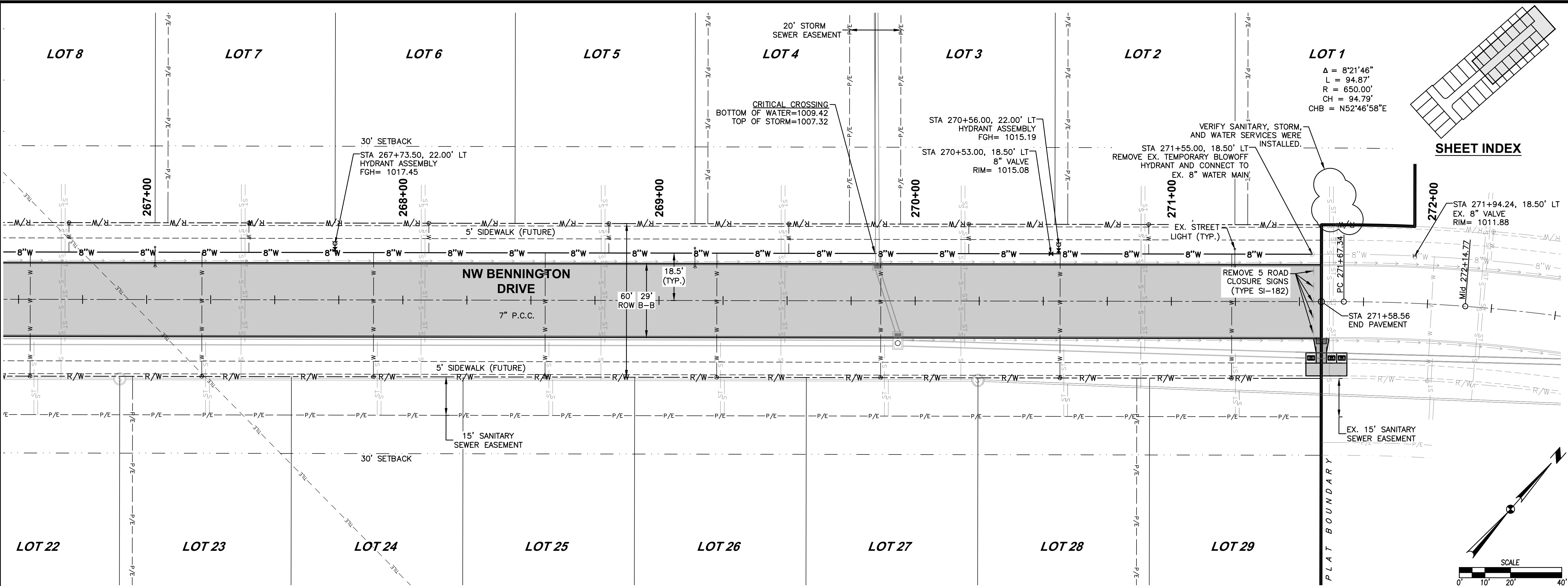
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ENGINEER: EKO
EI: GH/JWM

STRATFORD CROSSING PLAT 8
WATER MAIN PLAN AND PROFILE
WAUKEE, IOWA

13/16
2001.042

FILE: H:\2020\2001042\2001042-ENG-WAT-AS-BUILDING
COMMENTS: REVISED: 11/12/2020 2:44 PM
PLOTED BY: JAVIERON MORALES



DATE
11/12/2020
AS-BUILT SUBMITTAL
05/04/2020
FINAL SUBMITTAL
04/20/2020
THIRD SUBMITTAL
03/11/2020
SECOND SUBMITTAL
02/16/2020
FIRST SUBMITTAL

REVISIONS

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

STRATFORD CROSSING PLAT 8

WATER MAIN PLAN AND PROFILE

WAUKEE, IOWA

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16

2001.042



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 1000 TO FOUR DIGIT SPOT ELEVATIONS TO OBTAIN PROJECT DATUM.

