



Know what's below.
Call before you dig.

NOTE:

STREETS TO BE CONSTRUCTED WITH STRAIGHT BACK CURB (CG-1):

COBEY CREEK DRIVE, GILLETTE STREET & JUD ROAD.

STREETS TO BE CONSTRUCTED WITH ROLL BACK CURB (CG-2):

CORBIN DRIVE, COBEY LANE, DAVID ROAD & CARTER ROAD.

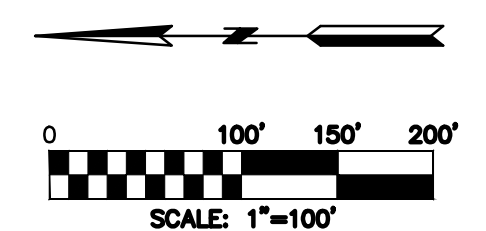
LEGEND



PROPOSED 5' WIDE CONCRETE
- SIDEWALK TO BE BUILT WITH
PHASE I ROAD CONSTRUCTION

NOTE:

1. BEGIN / END OF ROAD CONSTRUCTION BEGIN / END OF SIDEWALK CONSTRUCTION UNLESS OTHERWISE NOTED.
2. PROPOSED 5' WIDE CONCRETE SIDEWALK THAT ABUTS PLATTED LOTS SHALL BE CONSTRUCTED AT TIME OF BUILDING CONSTRUCTION.



DATE	REVISION	QX/NO.	BY
07/26/19	PER CITY COMMENTS	6	SPW RGS
07/26/19	PER CITY COMMENTS	5	SPW RGS
04/23/19	PER CITY COMMENTS	4	SPW RGS
04/16/19	PER CITY COMMENTS	3	SPW RGS
03/27/19	PER CITY COMMENTS	2	SPW RGS
03/06/19	PER CITY COMMENTS	1	SPW RGS
11/21/19	SUBMIT TO CITY OF LEES SUMMIT		SPW RGS

IF THIS IS NOT A BLUE INK SEAL AND THE SIGNATURE IN BLUE INK, THE PLAN IS A COPY AND MAY CONTAIN UNAUTHORIZED ALTERATIONS. THE CERTIFICATION CONTAINED ON THIS DOCUMENT SHALL NOT APPLY TO ANY COPIES



R. KEVIN STERRETT | MO E-26440
July 3, 2019



11010 Haskell Street, Suite 210, Kansas City, Kansas 66105
CORPORATE LICENSE No. E201000573 (MO.) / E-1736 (KS.)

STREET AND STORM SEWER PLANS GENERAL UTILITY LAYOUT

**COBEY CREEK FIRST PLAT
PHASE I**

CITY OF LEES SUMMIT, JACKSON COUNTY, MISSOURI

X-REF NO.
59 Base Phase I

DRAWING NO.
Phase I Street Plans

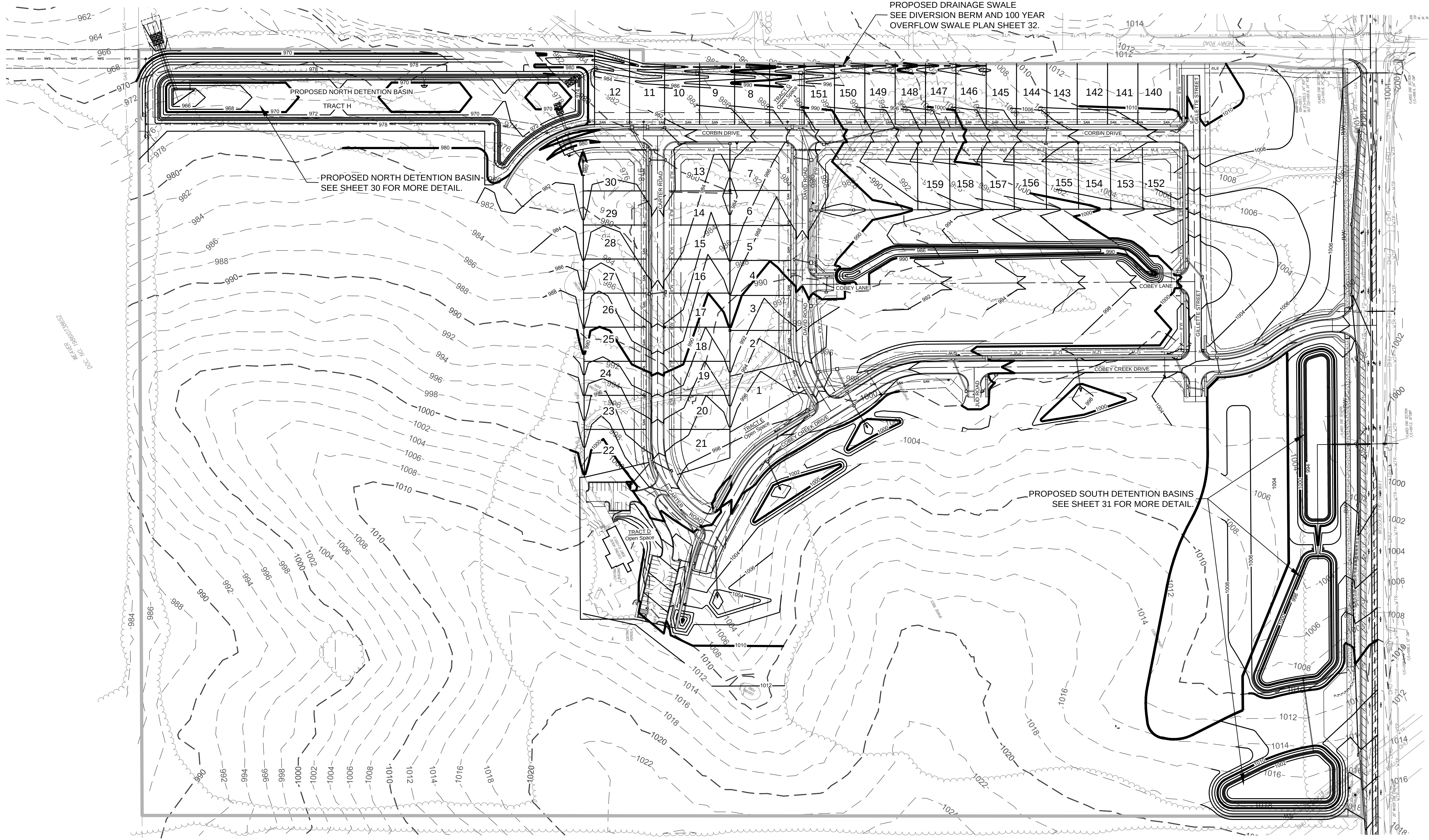
DATE
July 30, 2019

JOB NO.
16-059

2

SHEET
OF

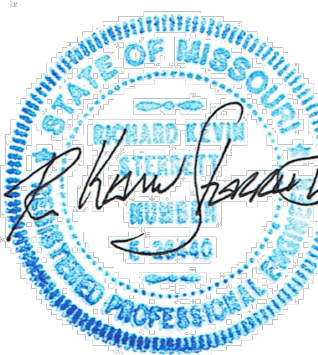
53



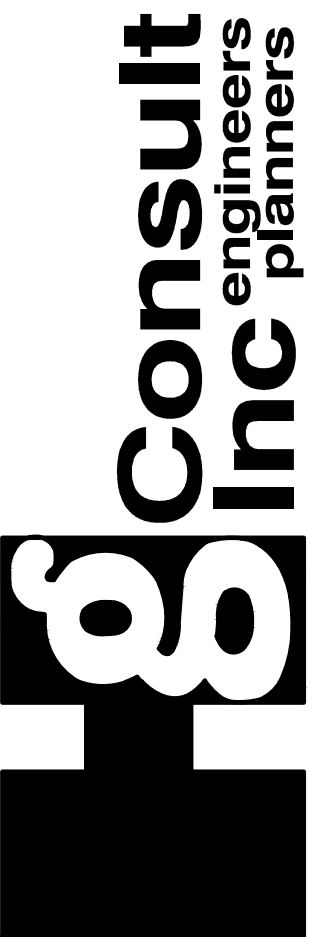
GENERAL NOTES:

1. This sheet is for informational purposes only. See individual sheets for exact utility locations.
2. See Sanitary Sewer sheets and Utility Map for Minimum Basement Floor elevations (MBF) and Minimum Low Opening elevations (MLO).
3. Grading plan represents general site grading prior to the development of lots.
4. Existing grades acquired from topographic survey, May 2017. Existing street grades verified in field.
5. Per contractor, all excess dirt or deficiencies of dirt to be handled on site.
6. Tract H shall be "Common Area" to be owned and maintained by the Homeowner's Association.
7. The swales located on or near the lots designated as * to carry excess storm water runoff shall be maintained by the Owners of said lots. Minimum Low Openings (MLO) of said lots on the swale side of said lots shall be a minimum of one (1) foot above the adjacent top of finish swale elevation unless a higher MLO elevation is required by other restrictions.
8. The Minimum Low Opening (MLO) for the front of all lots shall be a minimum of one (1) foot above the top of corresponding curb elevation.

DATE	REVISION	BY	CORP
07/20/19	PER CITY'S COMMENTS	6	RAS
07/20/19	PER CITY'S COMMENTS	5	SPW
04/23/19	PER CITY'S COMMENTS	4	SPW
04/16/19	PER CITY'S COMMENTS	3	RAS
03/27/19	PER CITY'S COMMENTS	2	SPW
03/20/19	PER CITY'S COMMENTS	1	RAS
11/21/18	SUBMITTAL TO CITY OF LEES SUMMIT		SPW



R. KEVIN STERRETT, MO E-26440
July 3, 2019



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STREET AND STORM SEWER PLANS
PHASE I GRADING PLAN

COBEY CREEK FIRST PLAT
PHASE I

CITY OF LEES SUMMIT, JACKSON COUNTY, MISSOURI

X-REF NO. 16-059 Base Phase I	3
DRAWING NO. 16-059 Phase I Street Plans	53
DATE July 30, 2019	
SHEET NO. 16-059	

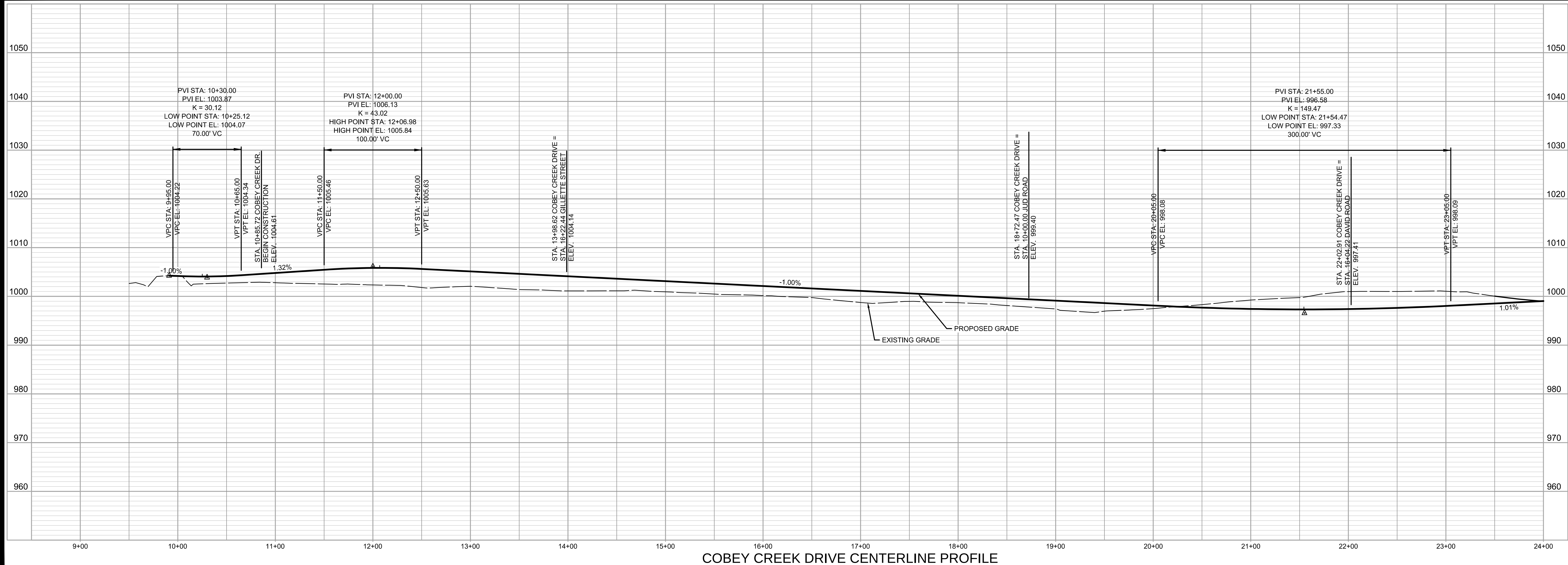
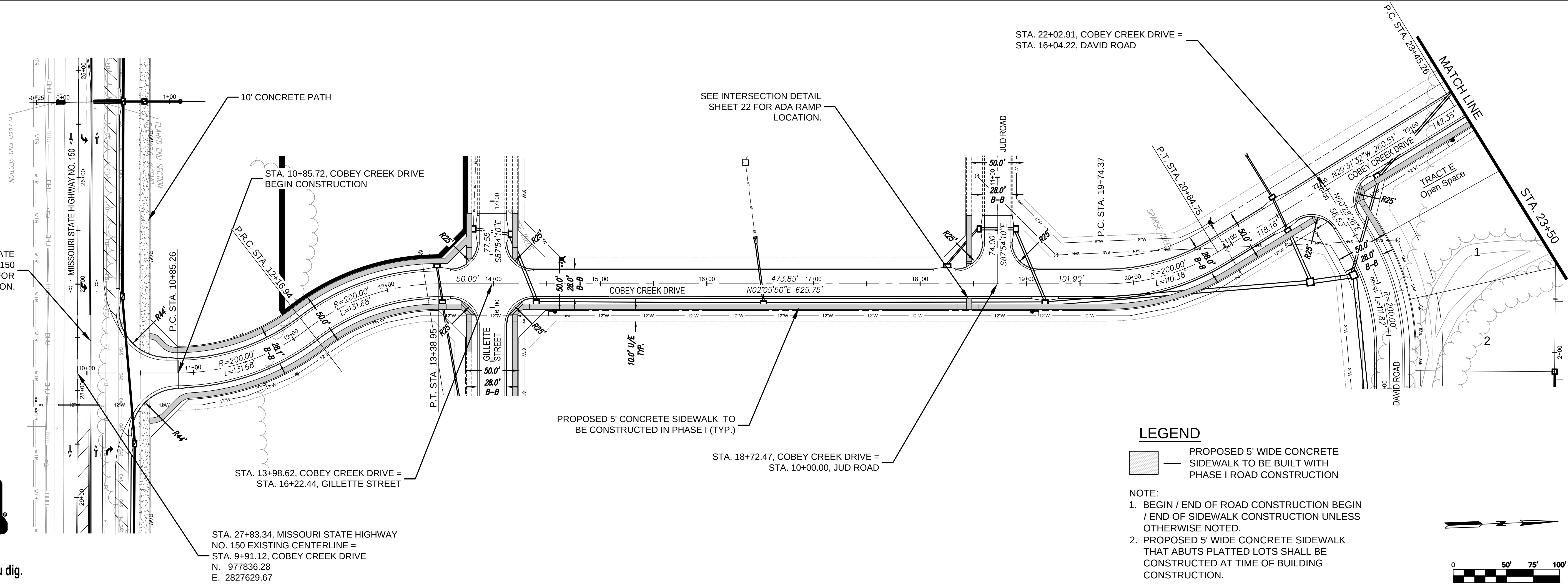


Know what's below.
Call before you dig.

SEE MISSOURI STATE
HIGHWAY NO. 150
WIDENING PLANS FOR
MORE INFORMATION.



Know what's below.
Call before you dig.



COBEY CREEK DRIVE CENTERLINE PROFILE

DATE	REVISION	NO.	BY	CHKD
07/30/19	PER CITY COMMENTS	6	SPW	RAS
07/30/19	PER CITY COMMENTS	5	SPW	RAS
04/23/19	PER CITY COMMENTS	4	SPW	RAS
04/16/19	PER CITY COMMENTS	3	SPW	RAS
03/27/19	PER CITY COMMENTS	2	SPW	RAS
03/06/19	PER CITY COMMENTS	1	SPW	RAS
11/21/18	SUBMITAL TO CITY OF LEES SUMMIT			

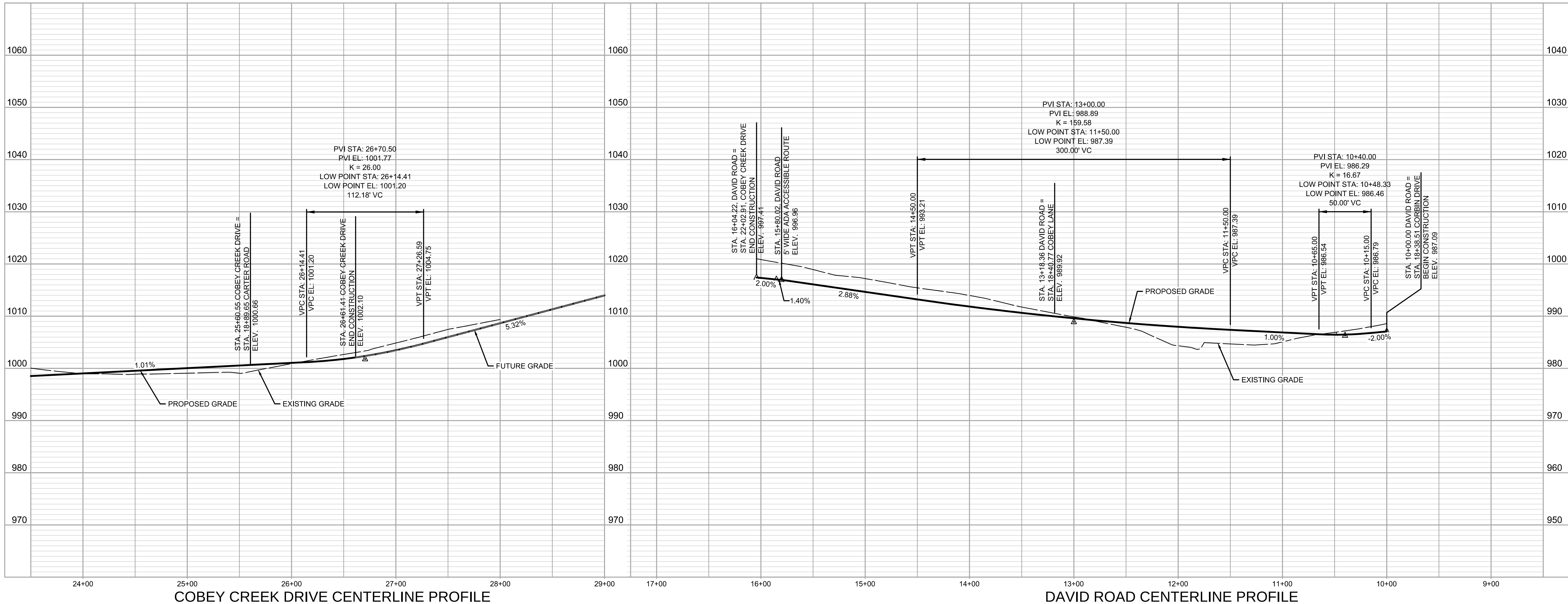
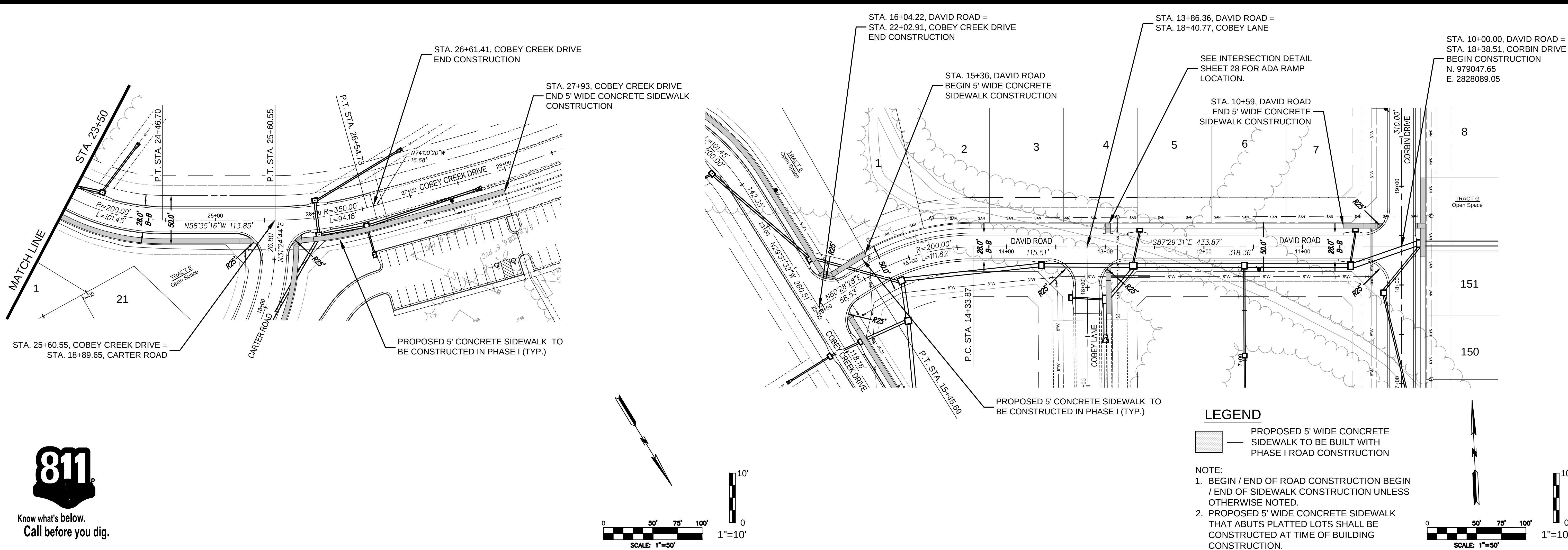


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CORPORATE LICENSE NO. E201000573 (MO.) / E-1736 (KS.)

STREET AND STORM SEWER PLANS
STREET CENTERLINE PROFILES
COBEY CREEK DRIVE
COBEY CREEK FIRST PLAT
PHASE I
CITY OF LEES SUMMIT, JACKSON COUNTY, MISSOURI

X-REF NO. 16-059 Base Phase I
DRAWING NO. 16-059 Phase I Street Plans
DATE July 30, 2019
DESIGN NO. 16-059



NO.	REVISION	DATE	BY	CHKD.
1	PER CITY COMMENTS	07/20/19	SPW	RMS
2	PER CITY COMMENTS	07/20/19	SPW	RMS
3	PER CITY COMMENTS	07/20/19	SPW	RMS
4	PER CITY COMMENTS	07/20/19	SPW	RMS
5	PER CITY COMMENTS	07/20/19	SPW	RMS
6	PER CITY COMMENTS	07/20/19	SPW	RMS

STATE OF MISSOURI
JACKSON COUNTY
CITY OF LEES SUMMIT
R. KEVIN STERRETT, P.E.
JULY 3, 2019

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CORPORATE LICENSE NO. E201000573 (MO.) / E-1736 (KS.)

STREET AND STORM SEWER PLANS
STREET CENTERLINE PROFILES
COBEY CREEK DRIVE & DAVID ROAD
COBEY CREEK FIRST PLAT
PHASE I
CITY OF LEES SUMMIT, JACKSON COUNTY, MISSOURI

X-REF NO.
16-059 Base Phase I
DRAWING NO.
16-059 Phase I Street Plans
DATE
July 30, 2019
JOB NO.
16-059

5 SHEET OF 53

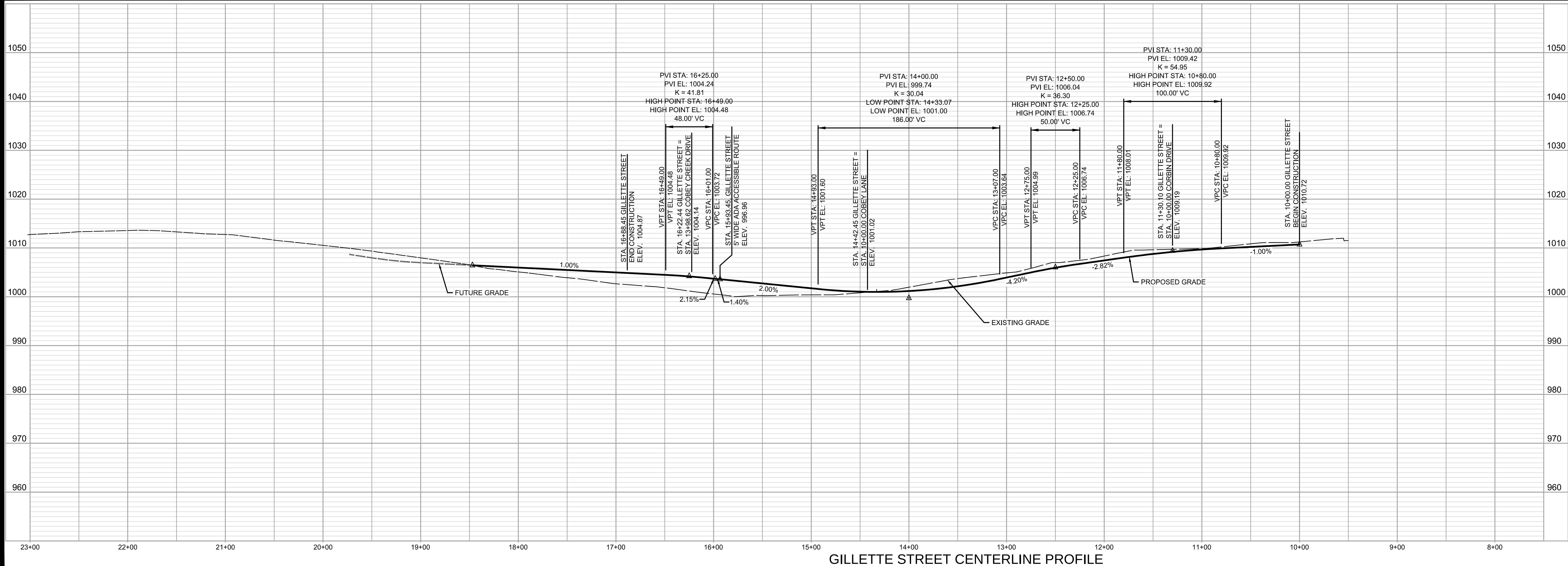
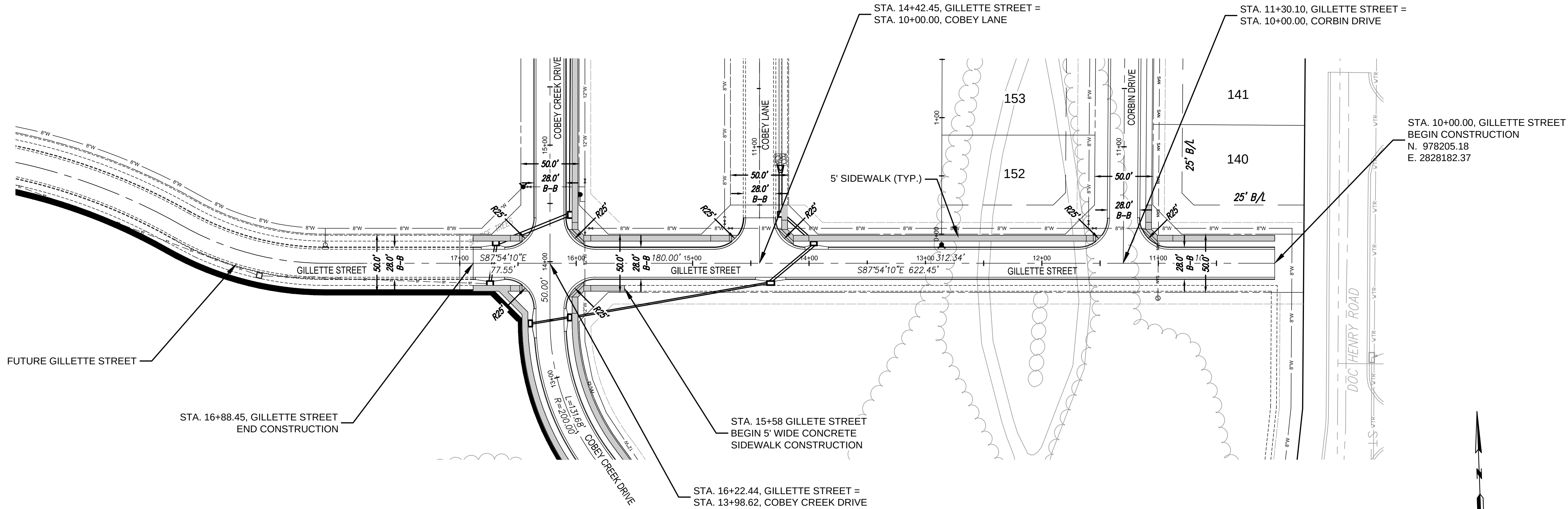
LEGEND

PROPOSED 5' WIDE CONCRETE
SIDEWALK TO BE BUILT WITH
PHASE I ROAD CONSTRUCTION

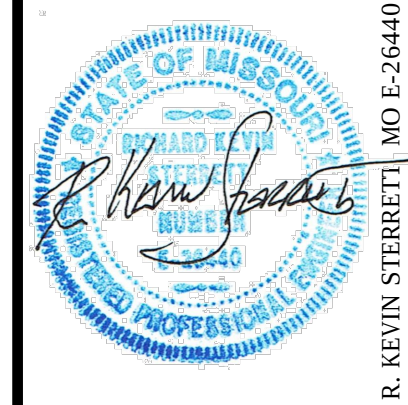
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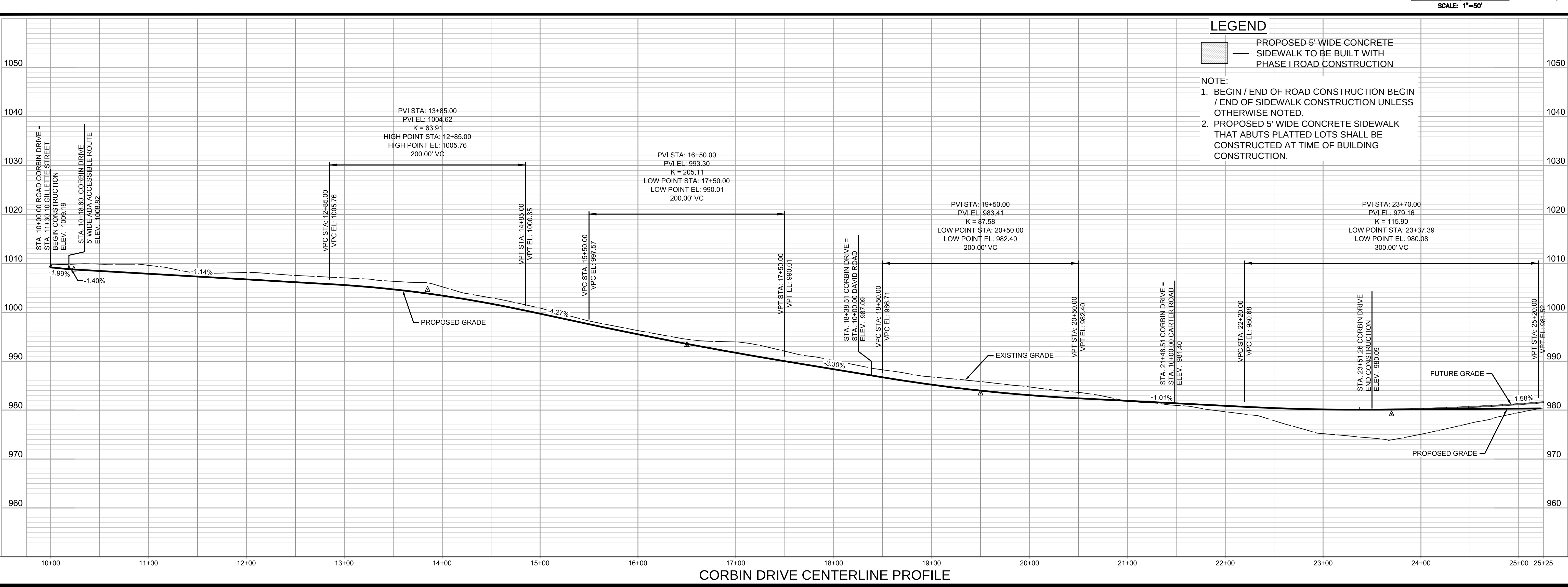
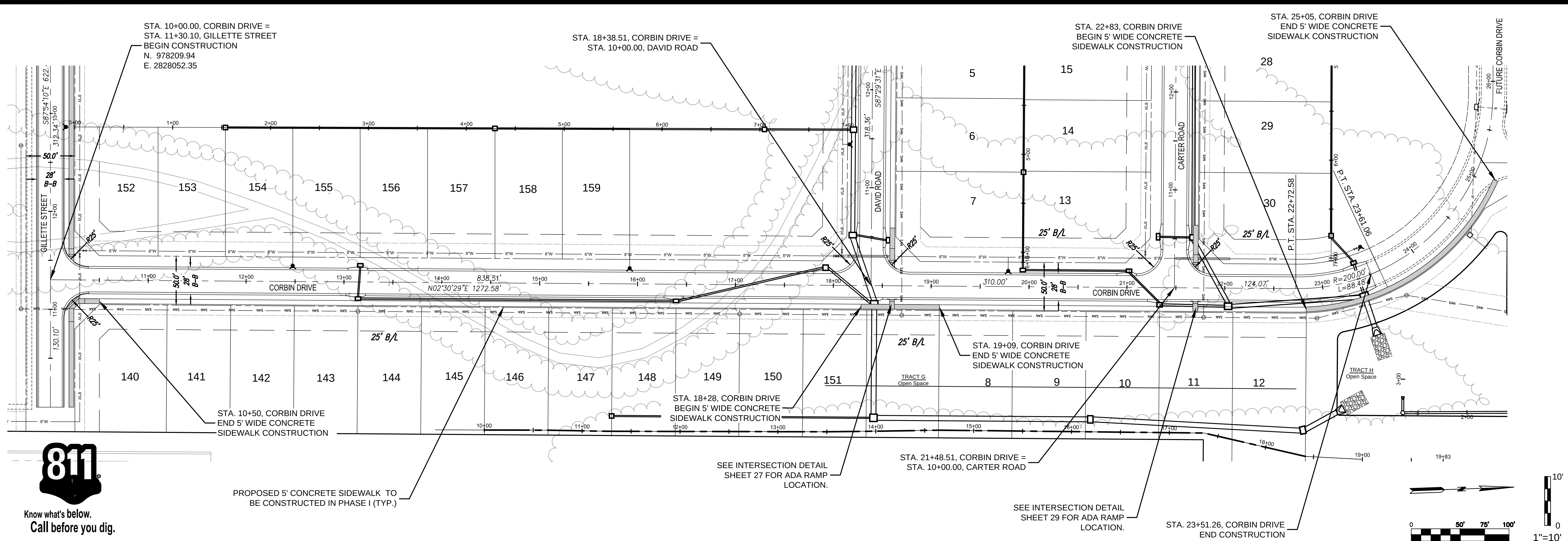
NO.	BY	DATE	REVISION
6	SPW	07/30/19	PER CITY'S COMMENTS
5	SPW	07/03/19	PER CITY'S COMMENTS
4	SPW	04/23/19	PER CITY'S COMMENTS
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2	SPW	03/27/19	PER CITY'S COMMENTS
1	SPW	03/06/19	PER CITY'S COMMENTS
		11/21/18	SUBMITTAL TO CITY OF LEES SUMMIT



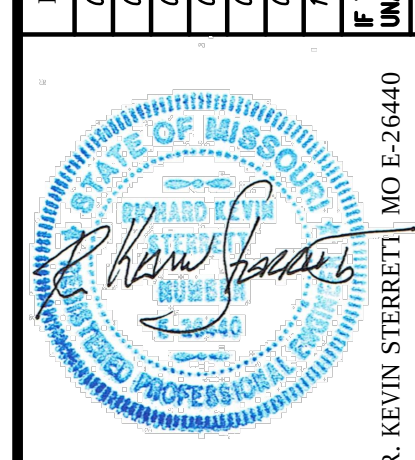
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CORPORATE LICENSE NO. E201000573 (MO.) / E-1736 (KS.)

STREET AND STORM SEWER PLANS
STREET CENTERLINE PROFILES
GILLETTE STREET
COBEY CREEK FIRST PLAT
PHASE I
CITY OF LEES SUMMIT, JACKSON COUNTY, MISSOURI

X-REF NO. 16-059 Base Phase I
DRAWING NO. 16-059 Phase I Street Plans
DATE July 30, 2019
SHEET NO. 16-059
6 OF 53



DATE	REVISION	BY	CHKD
07/30/19	PER CITY COMMENTS	SW	RAS
04/23/19	PER CITY COMMENTS	SW	RAS
04/23/19	PER CITY COMMENTS	SW	RAS
03/27/19	PER CITY COMMENTS	SW	RAS
03/27/19	PER CITY COMMENTS	SW	RAS
11/27/18	SUBMITAL TO CITY OF LEES SUMMIT	SW	RAS



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STREET AND STORM SEWER PLANS
STREET CENTERLINE PROFILES
CORBIN DRIVE
COBEY CREEK FIRST PLAT
PHASE I
CITY OF LEES SUMMIT, JACKSON COUNTY, MISSOURI

X-REF NO.
16-059 Base Phase I
DRAWING NO.
16-059 Phase I Street Plans
DATE
July 30, 2019
JOB NO.
16-059

7 OF 53

LEGEND

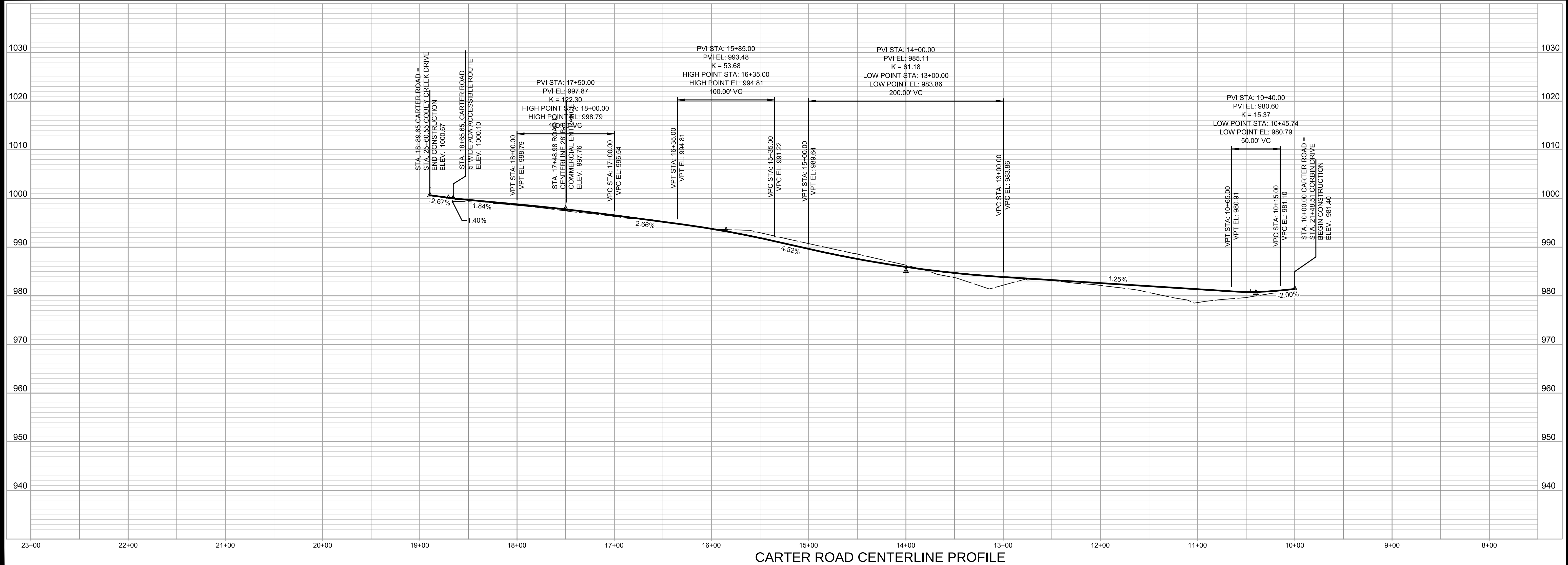
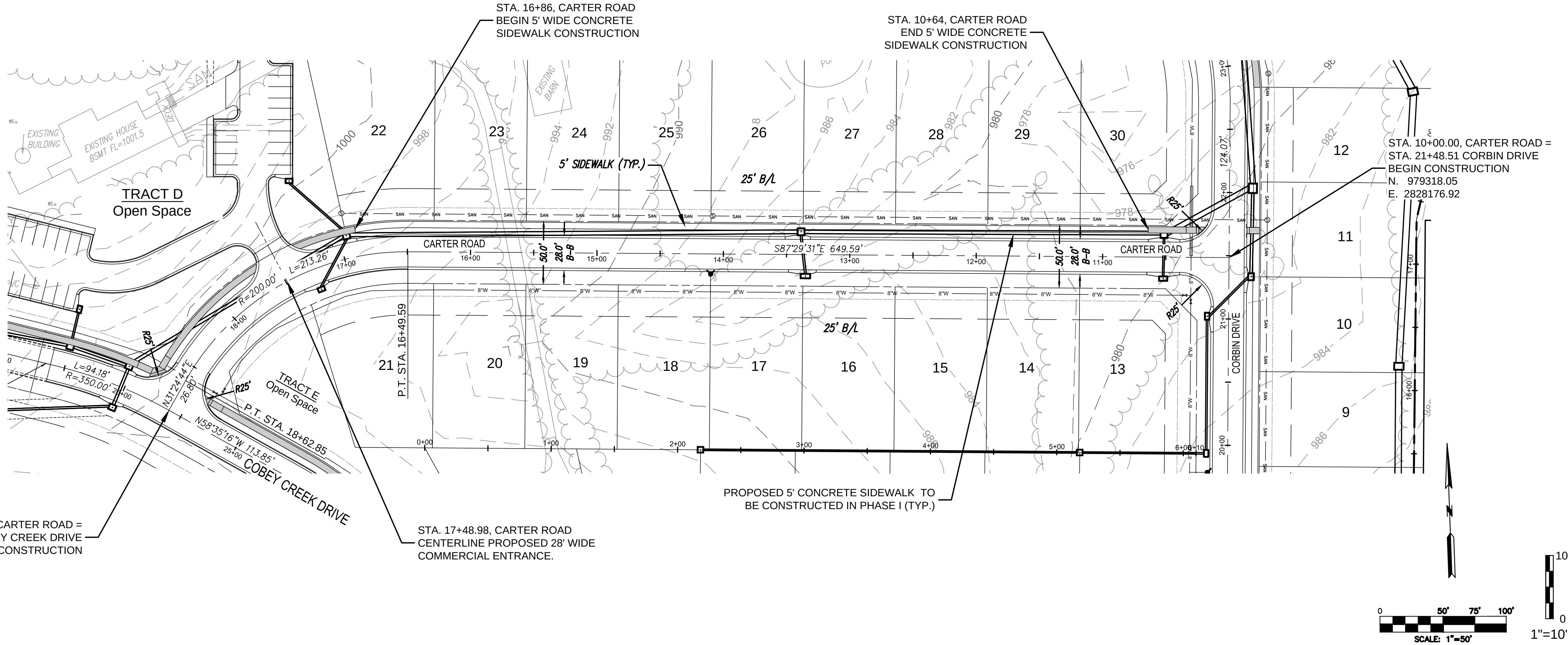
PROPOSED 5' WIDE CONCRETE
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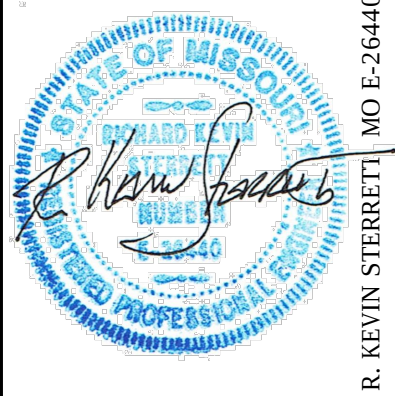


Know what's below.
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CARTER ROAD CENTERLINE PROFILE

NO.	BY	DATE	REVISION	DESCRIPTION
6	SPW	07/30/19	PER CITY COMMENTS	
5	SPW	07/02/19	PER CITY COMMENTS	
4	SPW	04/23/19	PER CITY COMMENTS	
3	SPW	04/16/19	PER CITY COMMENTS	
2	SPW	03/27/19	PER CITY COMMENTS	
1	SPW	03/06/19	PER CITY COMMENTS	
	SPW	11/21/18	SUBMITAL TO CITY OF LEES SUMMIT	



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STREET AND STORM SEWER PLANS
STREET CENTERLINE PROFILES
CARTER ROAD
COBEY CREEK FIRST PLAT
PHASE I
CITY OF LEES SUMMIT, JACKSON COUNTY, MISSOURI

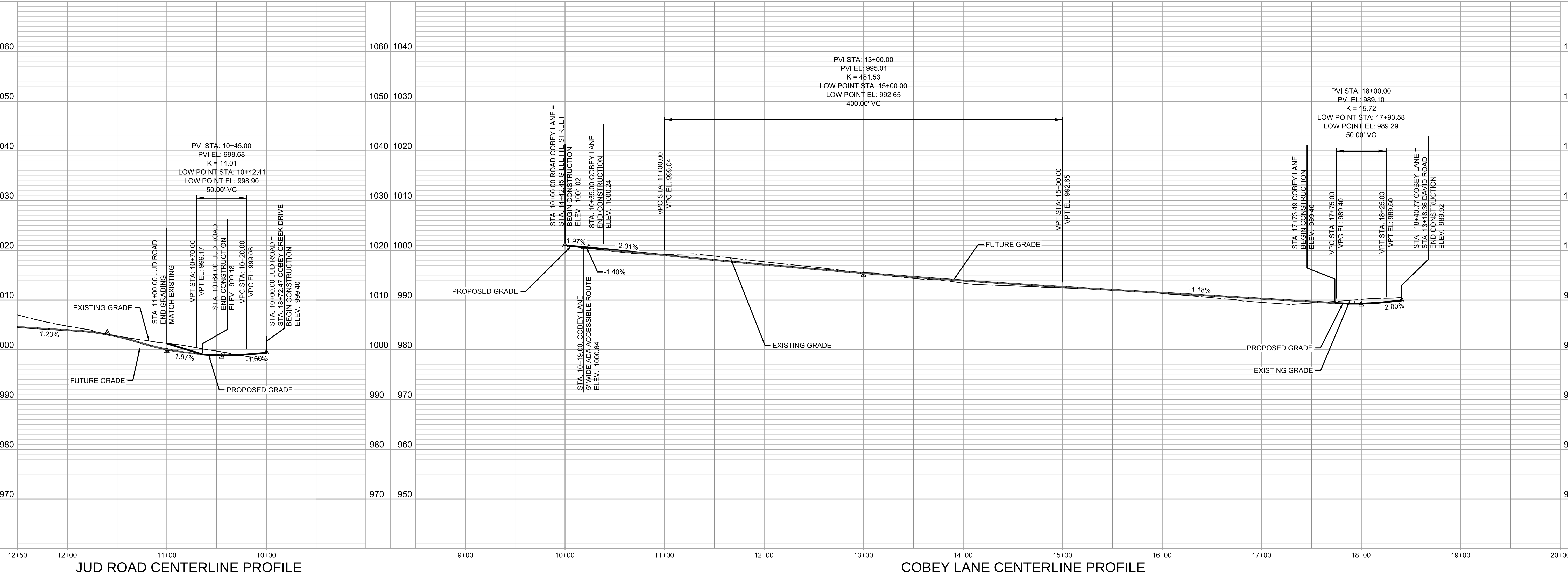
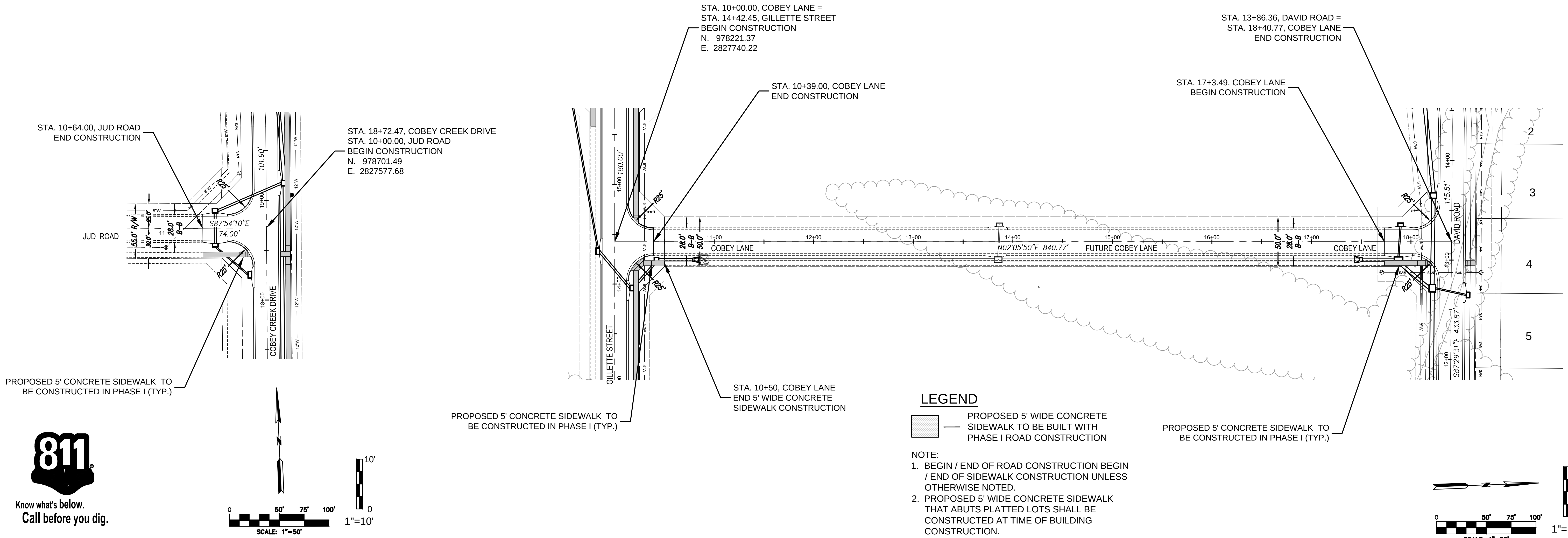
X-REF NO.
16-059 Base Phase I

DRAWING NO.
16-059 Phase I Street Plans

DATE
July 30, 2019

JOB NO.
16-059

8 OF 53



NO.	BY	DATE	REVISION	COMMENTS
6	SPW	07/30/19	PER CITY COMMENTS	
5	SPW	07/30/19	PER CITY COMMENTS	
4	SPW	04/23/19	PER CITY COMMENTS	
3	SPW	04/16/19	PER CITY COMMENTS	
2	SPW	03/27/19	PER CITY COMMENTS	
1	SPW	03/06/19	PER CITY COMMENTS	
SUBMITTAL TO CITY OF LEES SUMMIT				

R. KEVIN STERRETT, MO E-26440
July 3, 2019

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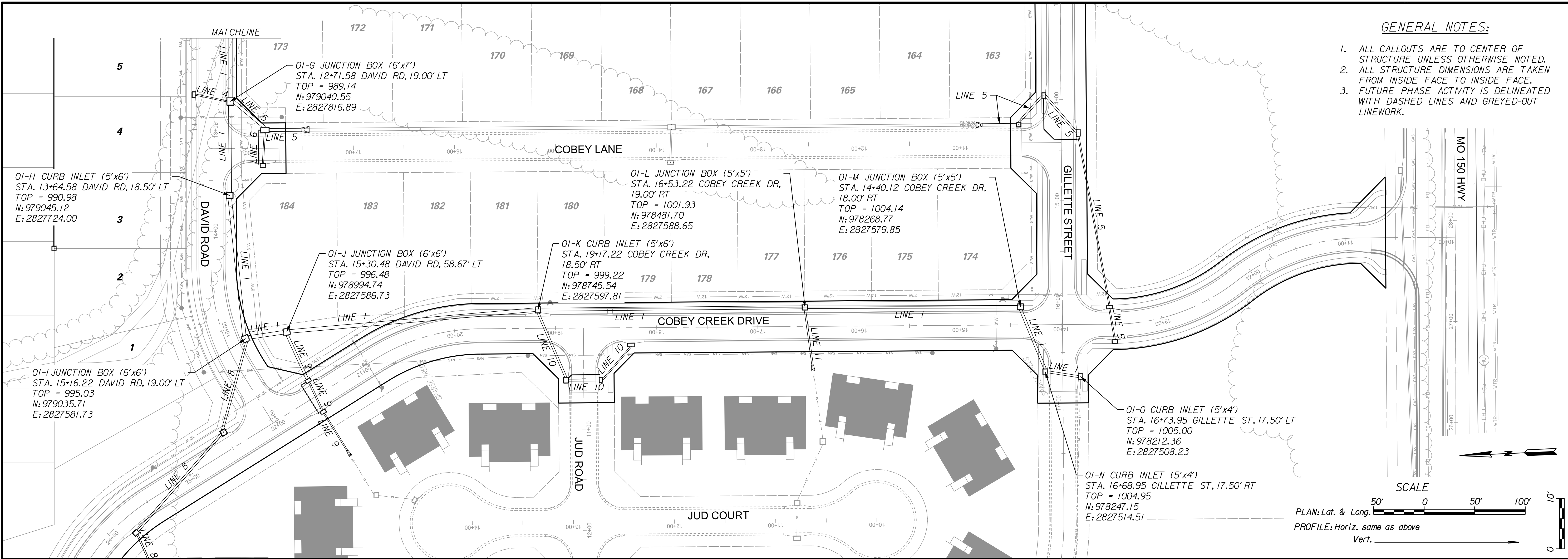
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STREET AND STORM SEWER PLANS
STREET CENTERLINE PROFILES
JUD ROAD & COBEY LANE
COBEY CREEK FIRST PLAT
PHASE I
CITY OF LEES SUMMIT, JACKSON COUNTY, MISSOURI

X-REF NO.
16-059 Base Phase I
DRAWING NO.
16-059 Phase I Street Plans
DATE
July 30, 2019
JOB NO.
16-059

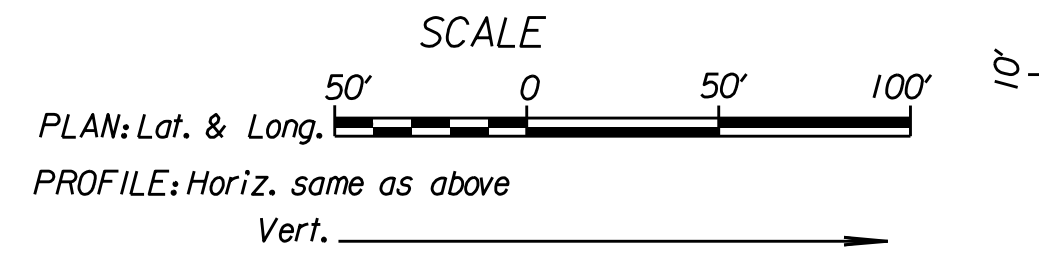
9 OF 53

3/27/2019
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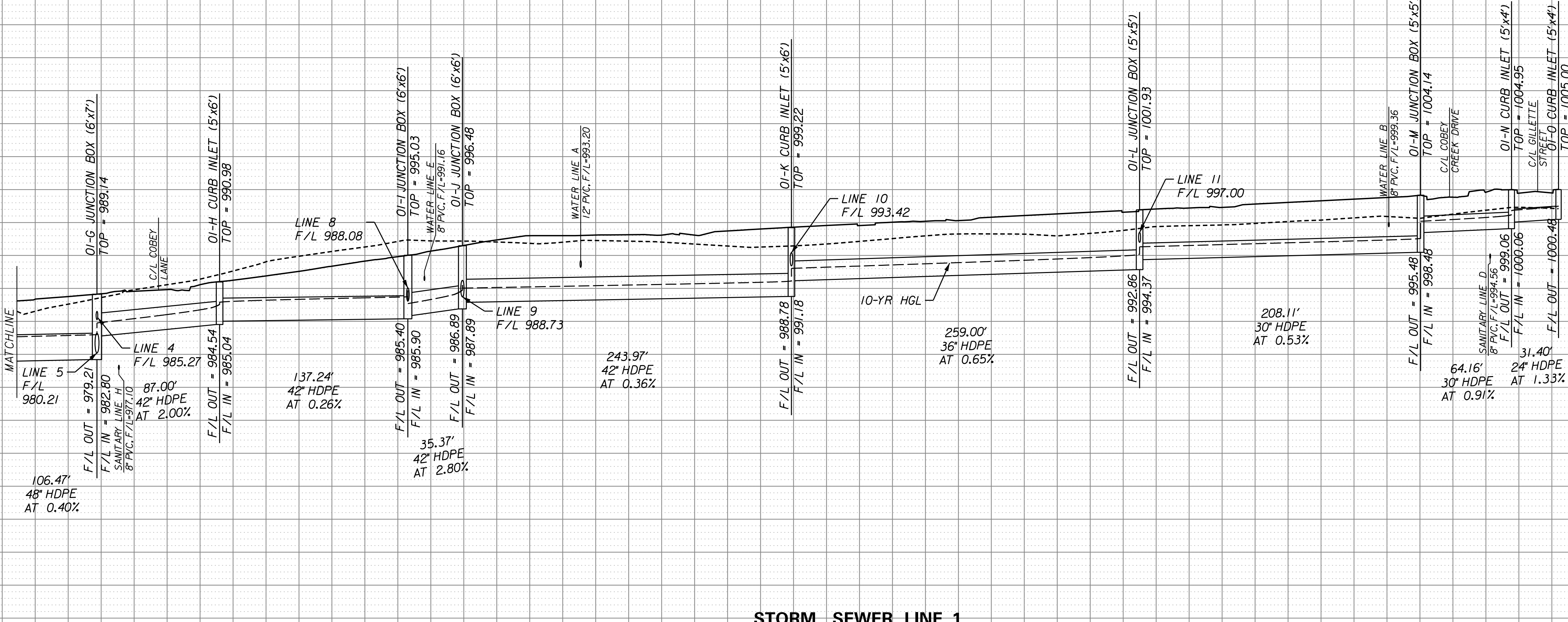


GENERAL NOTES:

1. ALL CALLOUTS ARE TO CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
2. ALL STRUCTURE DIMENSIONS ARE TAKEN FROM INSIDE FACE TO INSIDE FACE.
3. FUTURE PHASE ACTIVITY IS DELINEATED WITH DASHED LINES AND GREYED-OUT LINEWORK.



1030
1020
1010
1000
990
980
970
960
950
940



STORM SEWER LINE 1



3/27/19



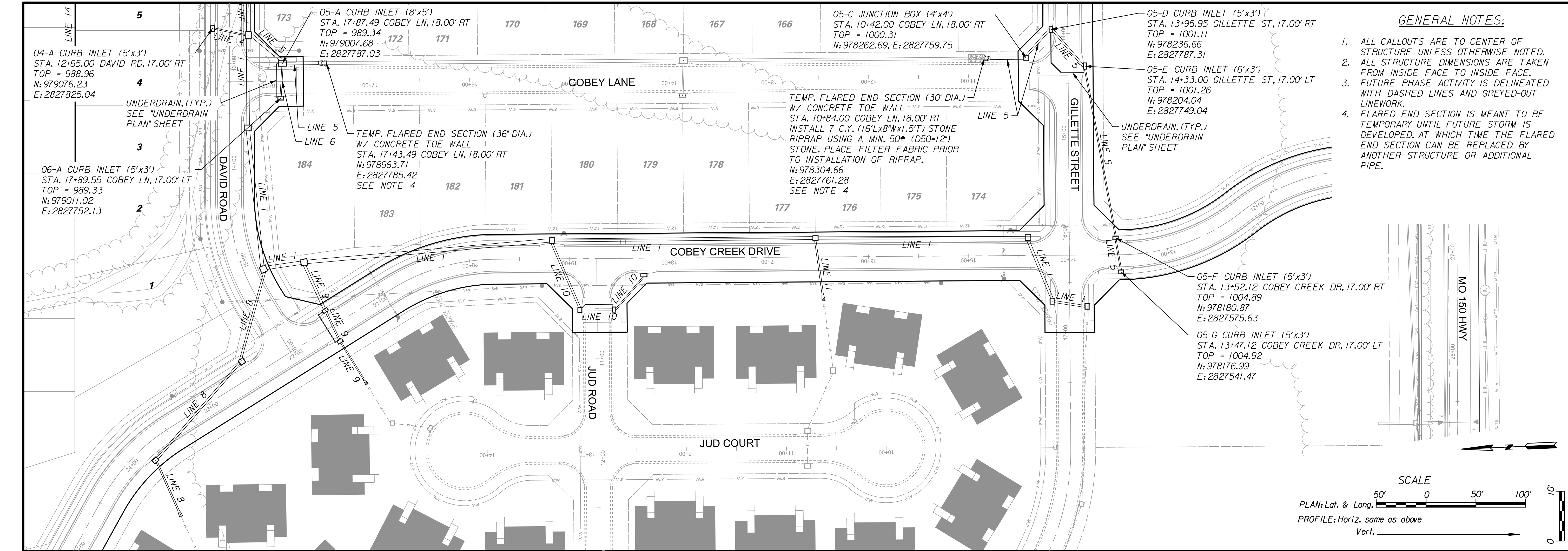
STORM SEWER LINE 1

COBEY CREEK

CITY OF LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

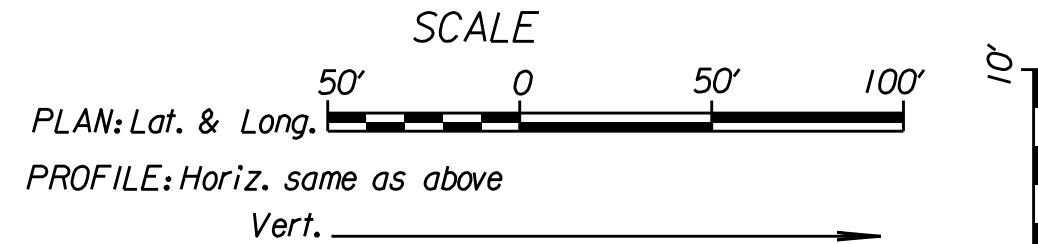
X-REF. NO.
XXX
DRAWING NO.
XXX
DATE
March 27, 2019
JOB NO.
16_059.01

11 SHEET OF 53



GENERAL NOTES:

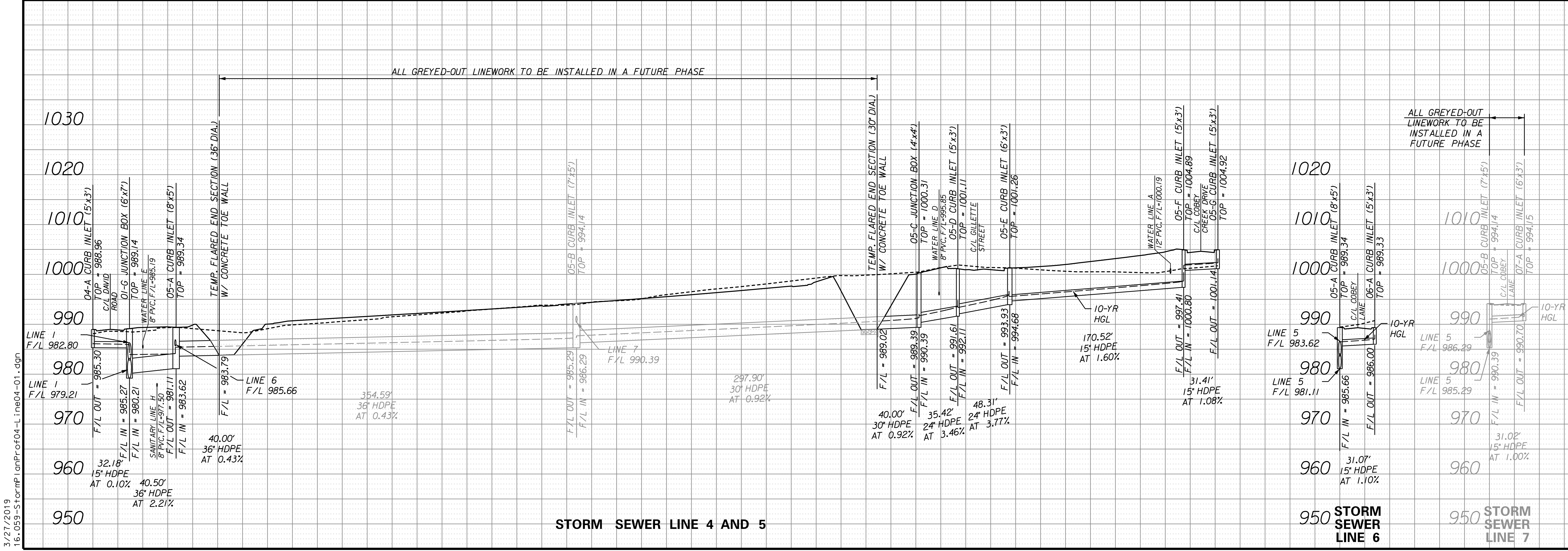
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4. FLARED END SECTION IS MEANT TO BE TEMPORARY UNTIL FUTURE STORM IS DEVELOPED. AT WHICH TIME THE FLARED END SECTION CAN BE REPLACED BY ANOTHER STRUCTURE OR ADDITIONAL PIPE.



NO.	BY	DATE	REVISION
1	RAM	3/27/19	1
2	RAM	3/27/19	2
3	RAM	3/27/19	3

ADDRESS CITY COMMENTS DATED 3/20/19	3/27/19
ADDRESS CITY COMMENTS DATED 12/18/18	3/27/19
ADDRESS CITY COMMENTS DATED 12/18/18	3/27/19
ADDRESS CITY COMMENTS DATED 12/18/18	3/27/19

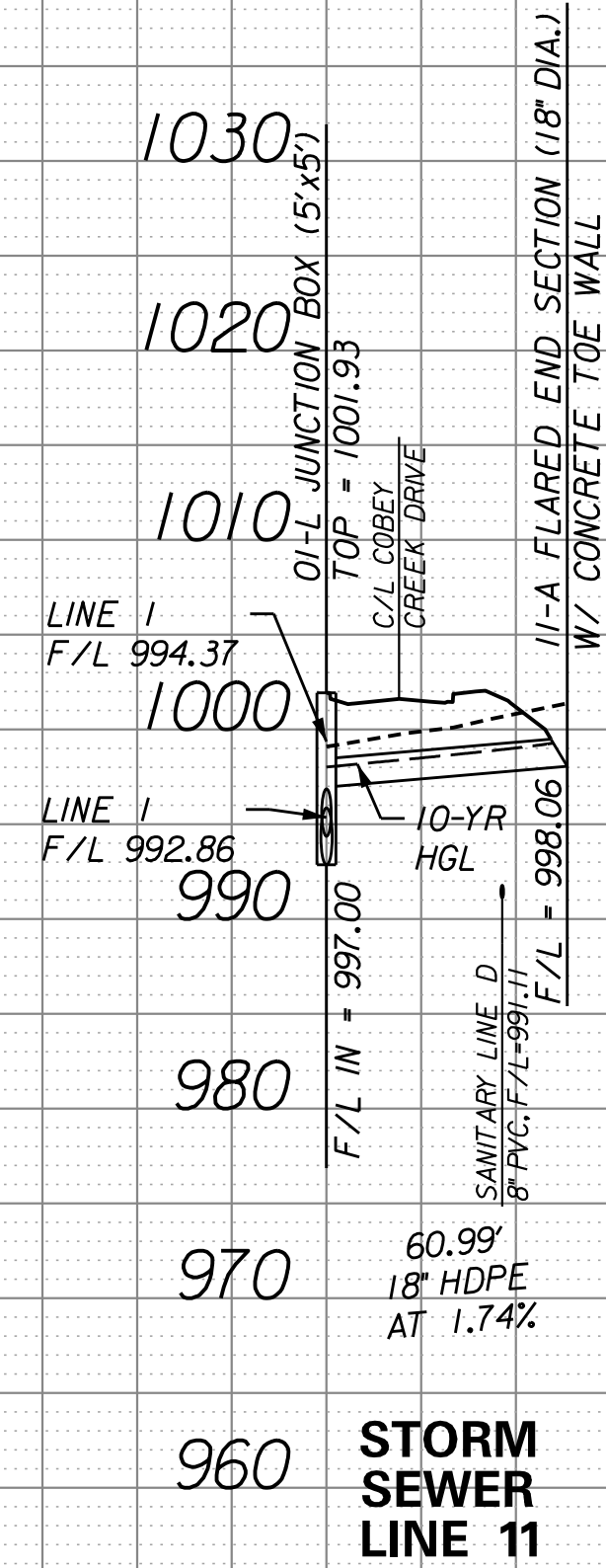
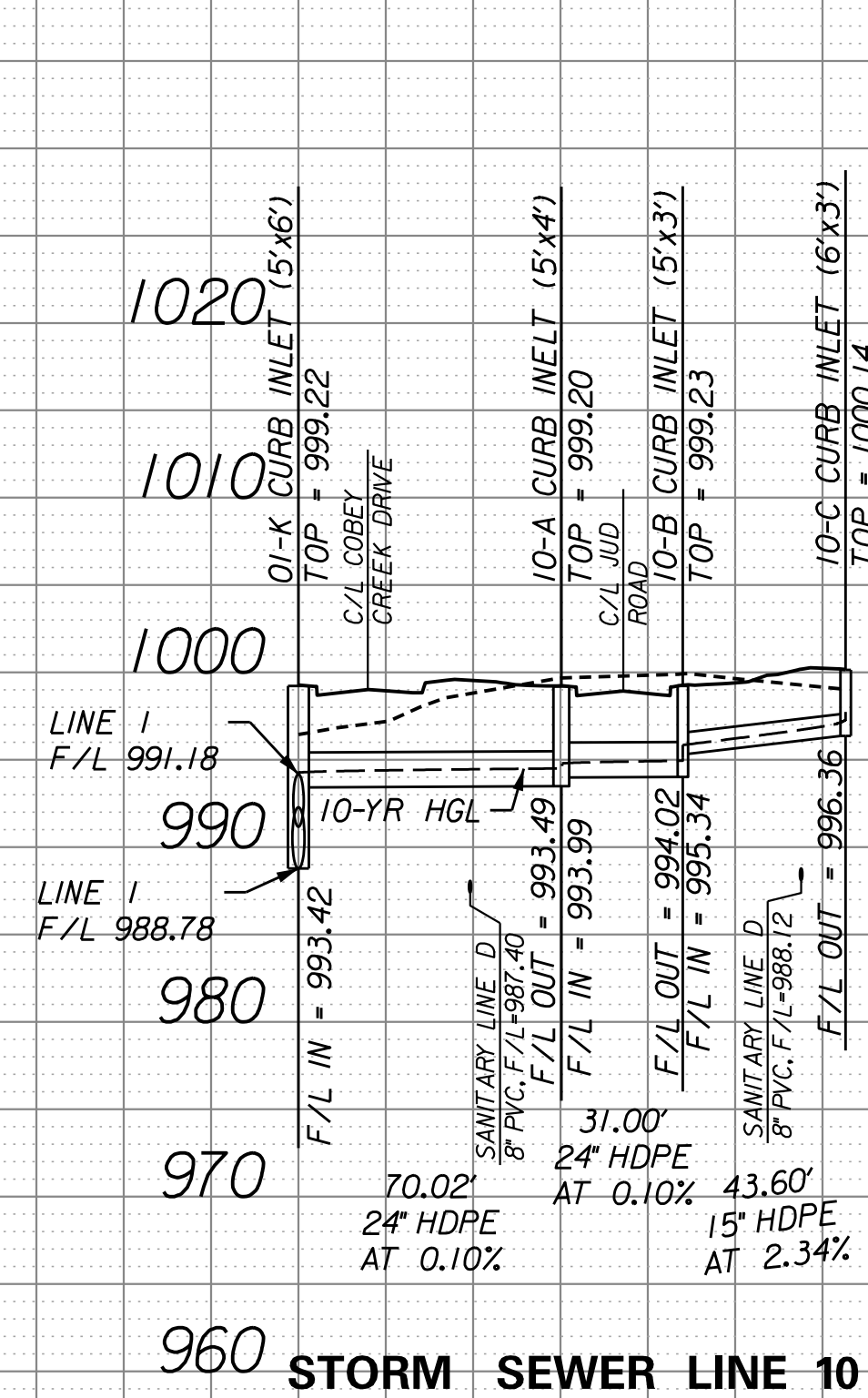
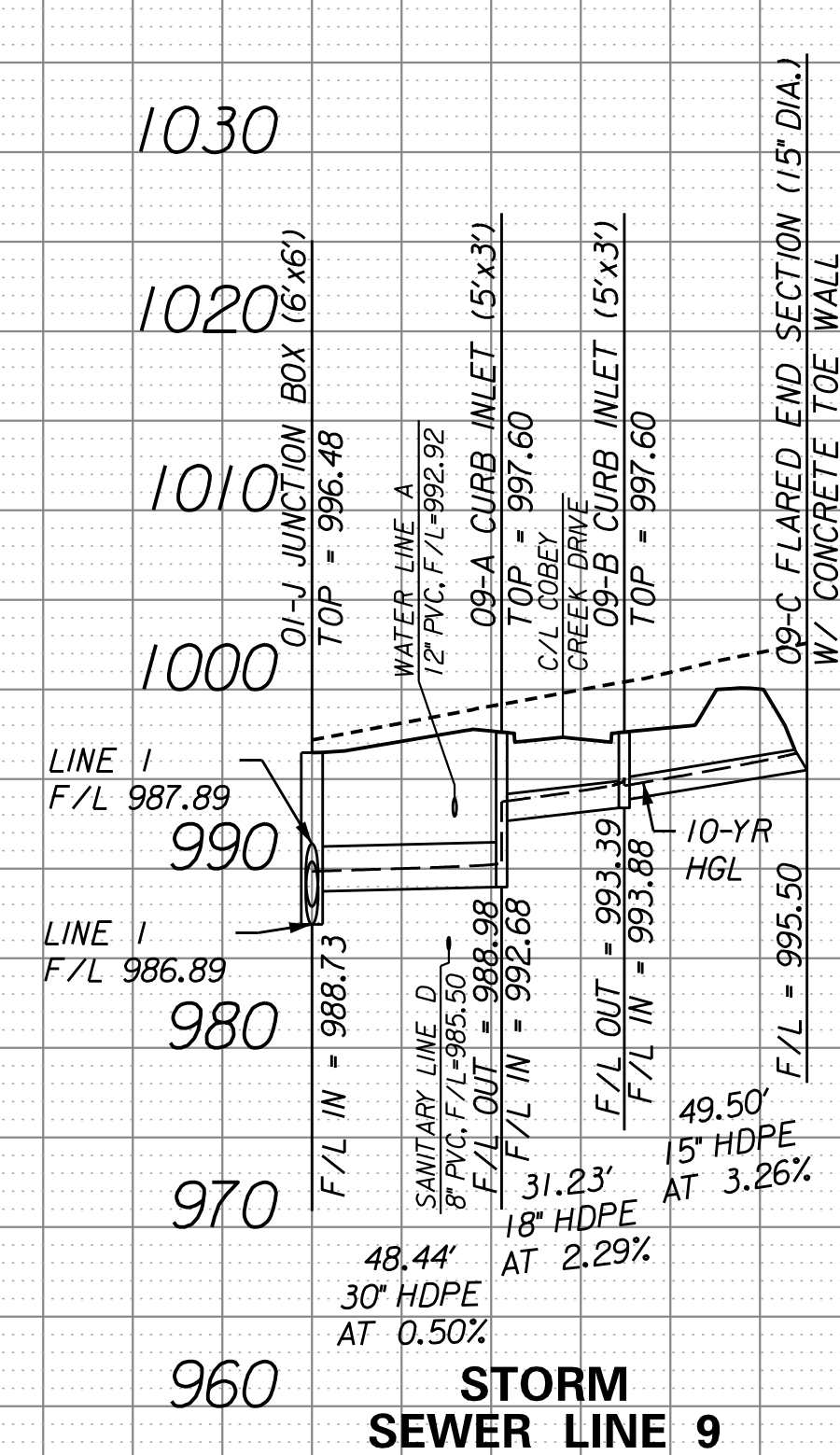
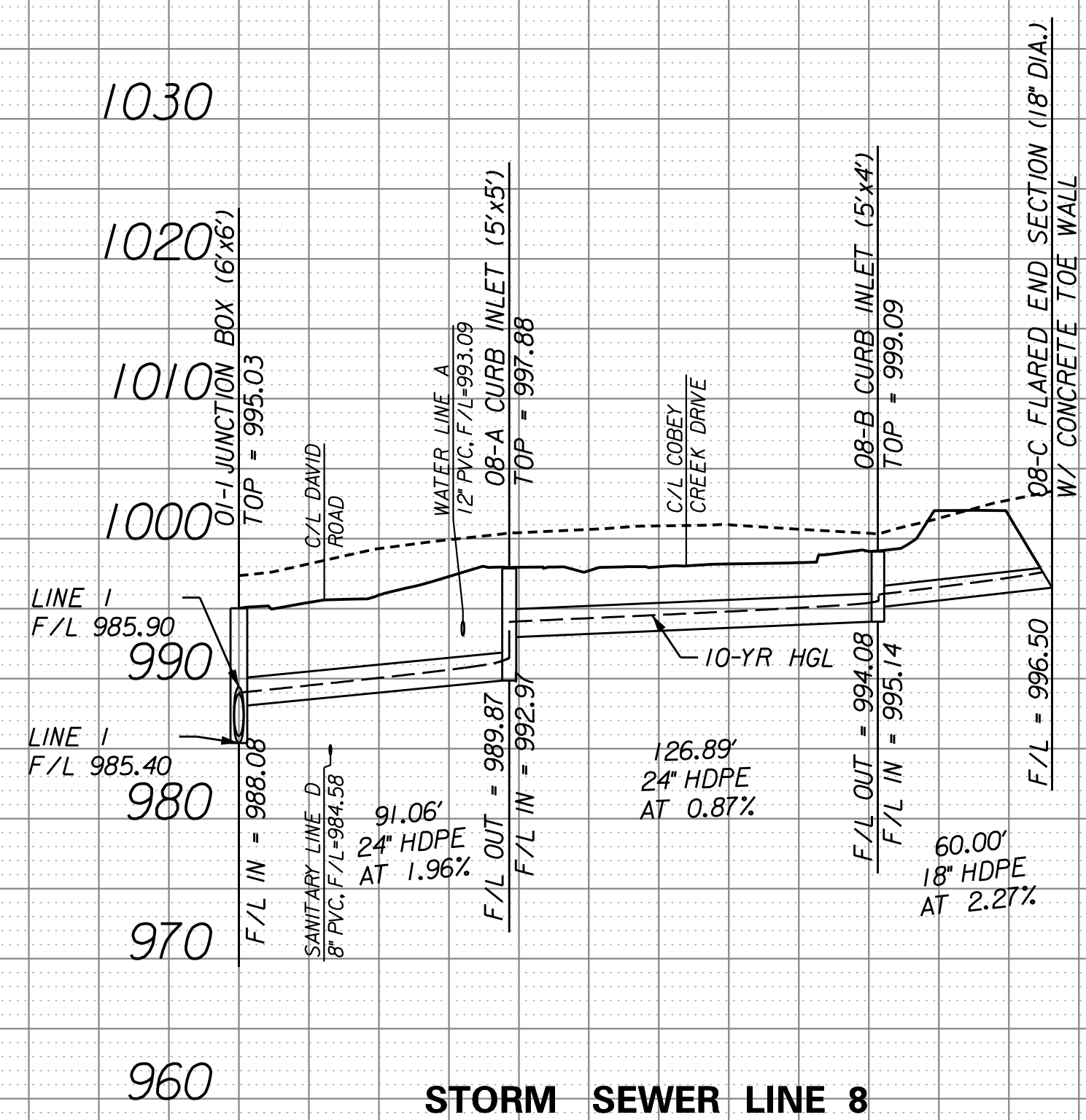
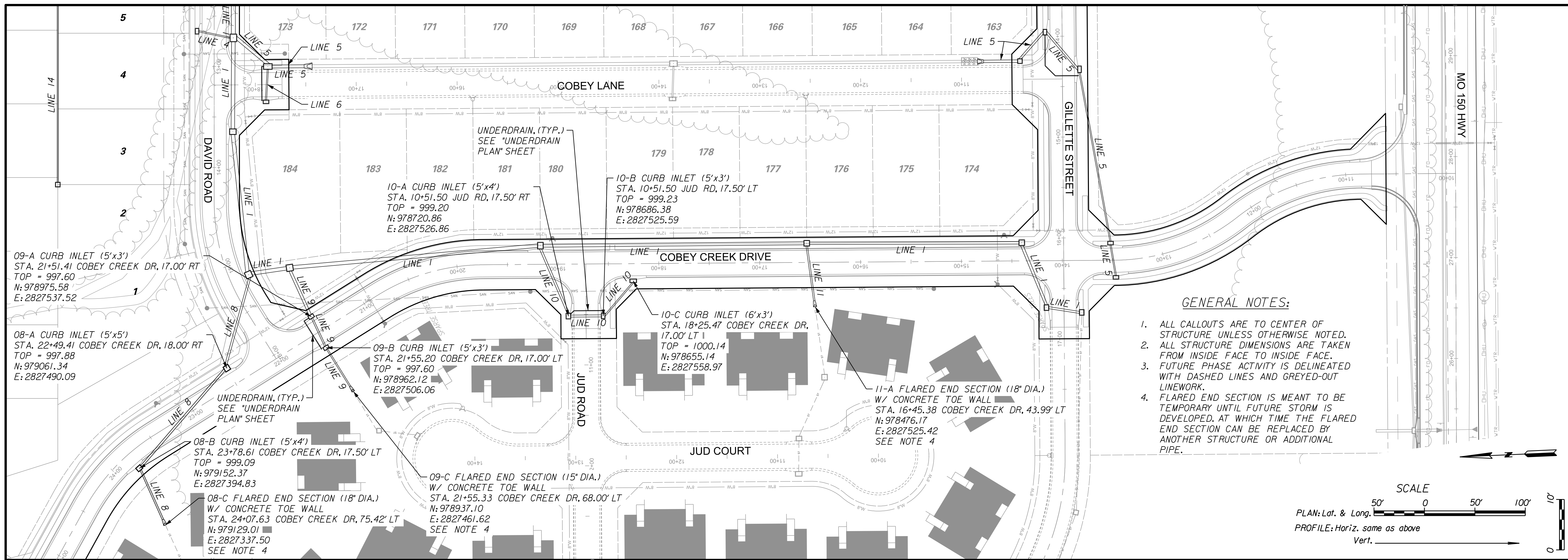
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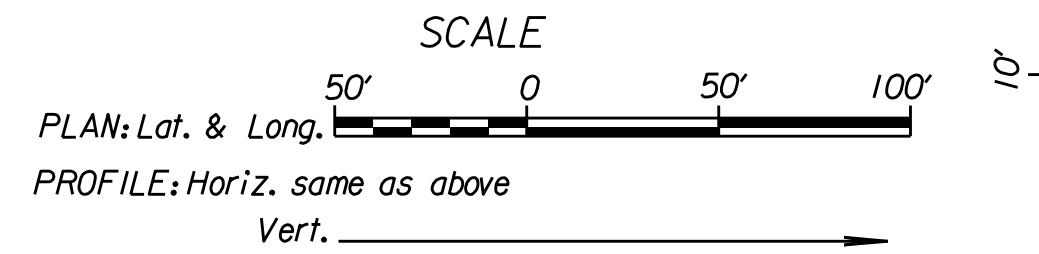
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11010 Haskell St. Ste. 210 Kansas City, KS 66109 816-755-2285
CORPORATE LICENSE NO. E2010005873

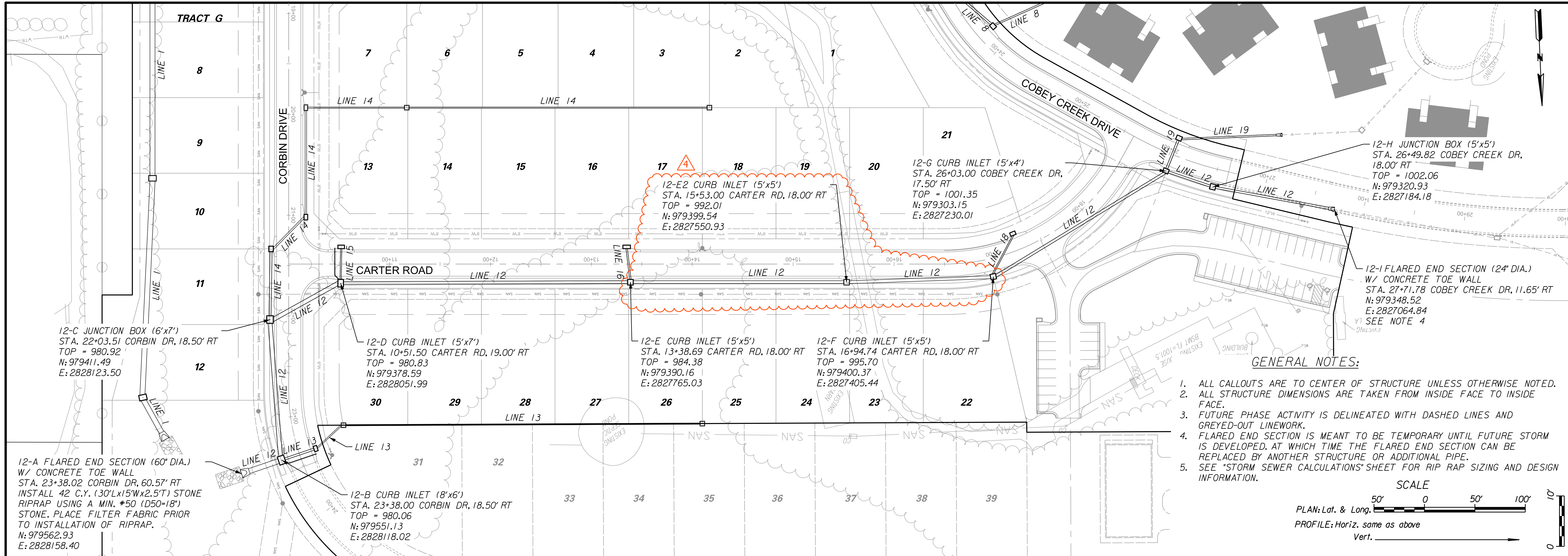
STORM SEWER LINES 4, 5, AND 6	CITY OF LEE'S SUMMIT, JACKSON COUNTY, MISSOURI
COBEY CREEK	
X-REF. NO. XXX	
DRAWING NO. XXX	
DATE March 27, 2019	
JOB NO. 16.059.01	
SHEET 13 OF 53	



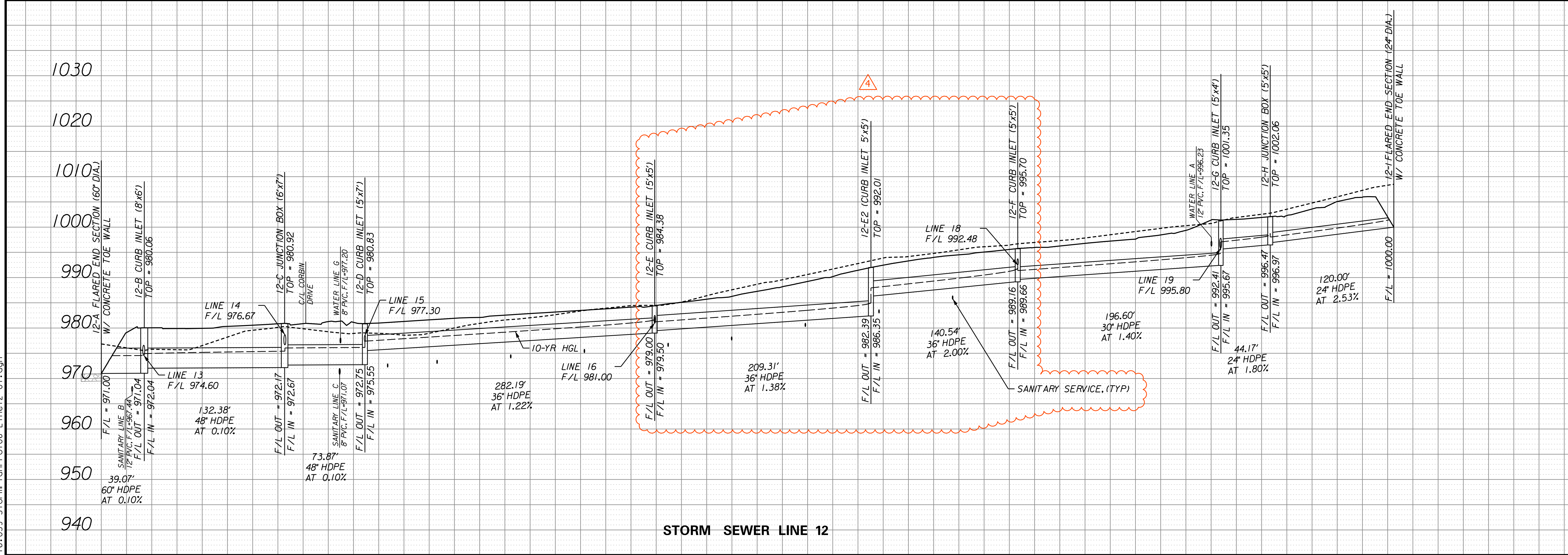
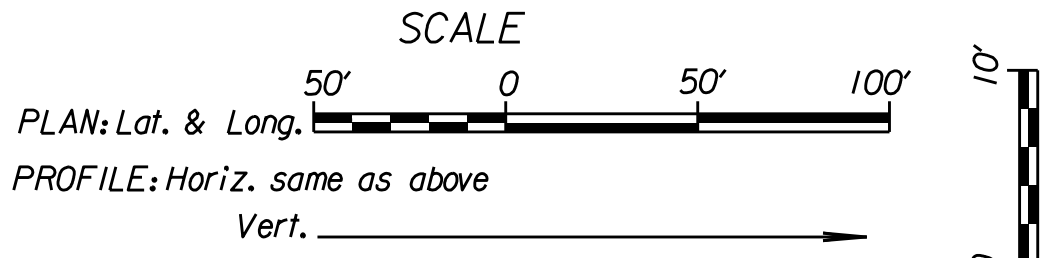
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[illegible]

3/2/2020
16.059-StormPlanProf06-Line12-01.dgn



- GENERAL NOTES:**
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 5. SEE 'STORM SEWER CALCULATIONS' SHEET FOR RIP RAP SIZING AND DESIGN INFORMATION.



NO.	BY	CHK/APP
1	RAM	
2	RAM	
3	RAM	
4	RAM	

DATE	REVISION
03/02/20	CHANGES TO STORM LINE 12
3/2/19	ADDRESSED CITY COMMENTS DATED 3/20/19
3/9/19	ADDRESSED CITY COMMENTS DATED 12/18/18
11/27/18	SUBMITTAL TO CITY OF LEE'S SUMMIT

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STATE OF MISSOURI
Professional Engineer
R. KEVIN STERRETT, NO. E-26440
03/02/20

Consult Inc engineers planners

11010 Haskell St. Ste. 210 Kansas City, KS 66109 816-759-2285
CORPORATE LICENSE NO. E2010005873

STORM SEWER LINE 12

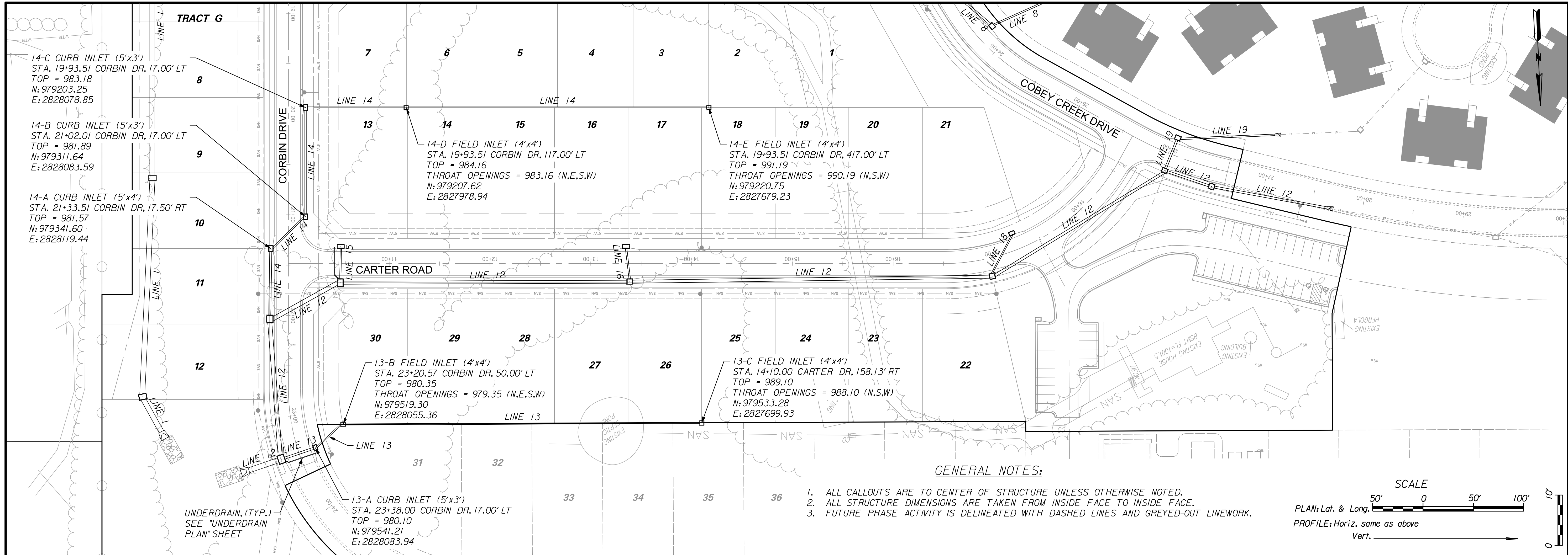
COBEY CREEK

CITY OF LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

X-REF. NO.	XXX
DRAWING NO.	XXX
DATE	March 27, 2019
JOB NO.	16.059.01

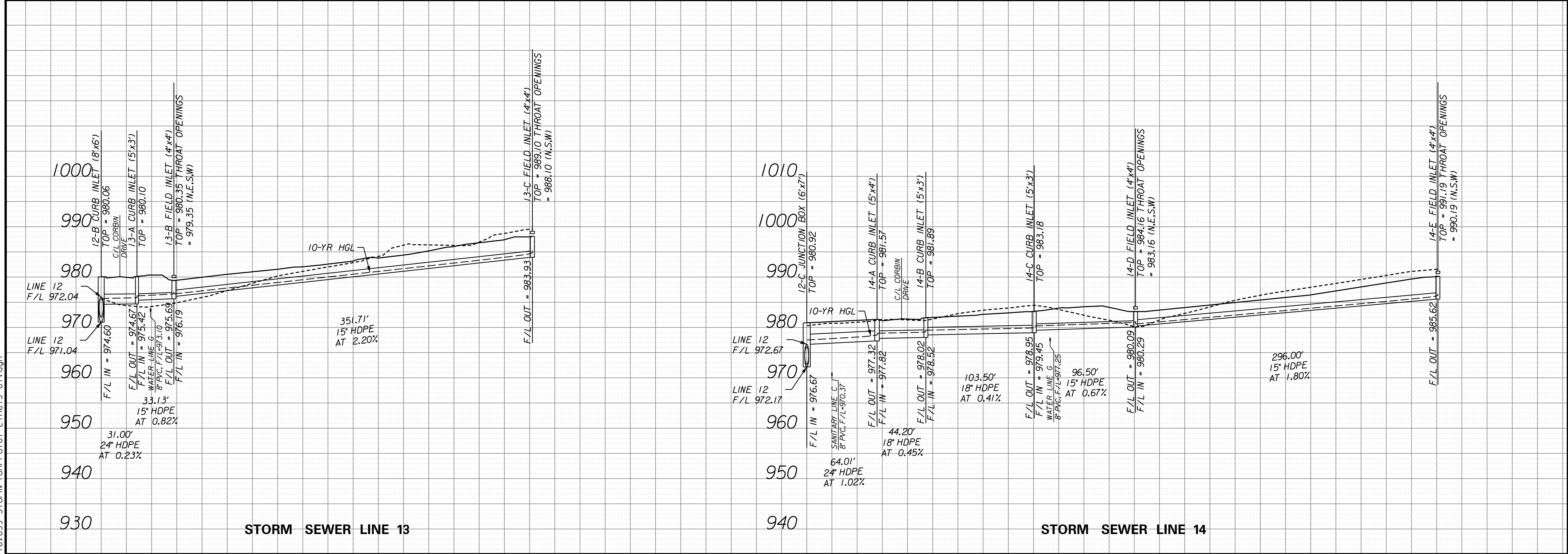
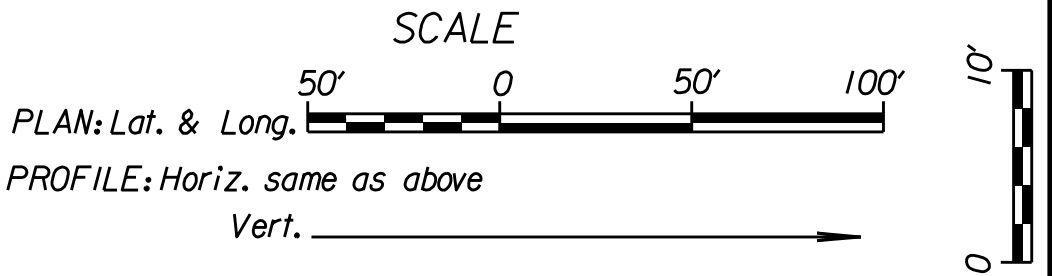
15 SHEET 53

3/27/2019
16_059-StormPlanProf07-Line13-01.dgn



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NO.	BY	DATE	REVISION
1	CK/APP		
2			
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3/27/19

CONSULTING ENGINEERS INC. PLANNERS

11010 Haskell St. Ste. 210 Kansas City, MO 64116

CITY OF LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STORM SEWER LINES 13 AND 14

COBEY CREEK

X-REF. NO. XXX

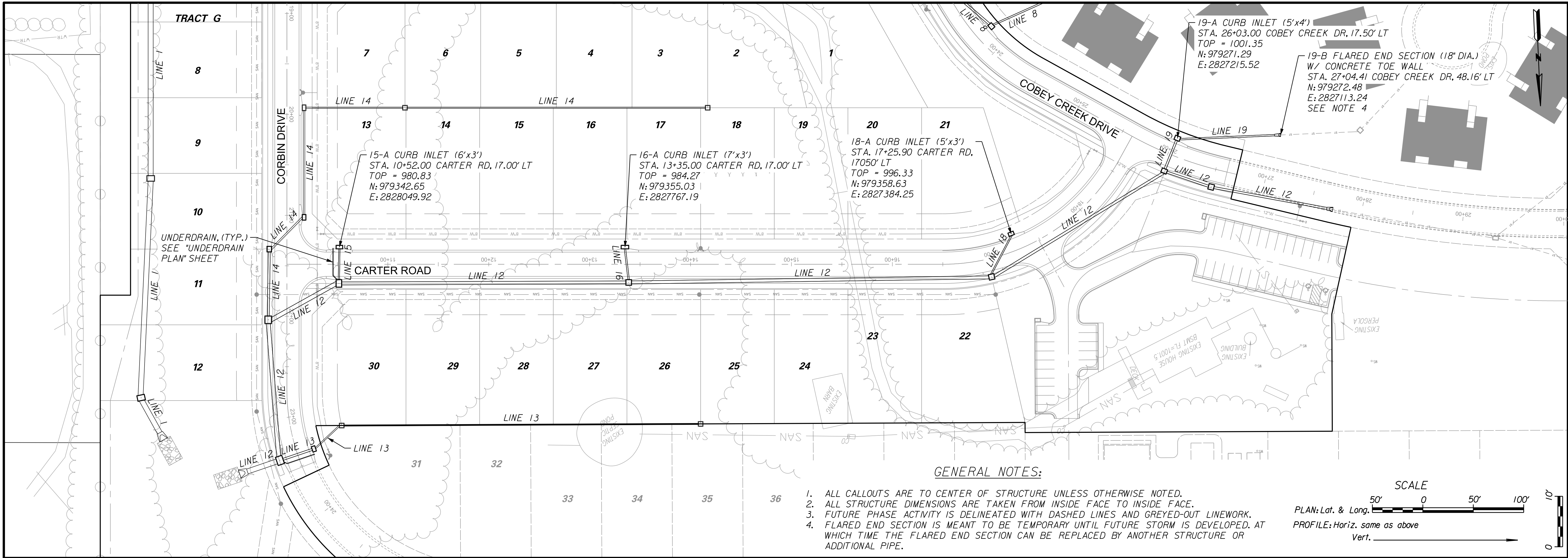
DRAWING NO. XXX

DATE March 27, 2019

JOB NO. 16_059_01

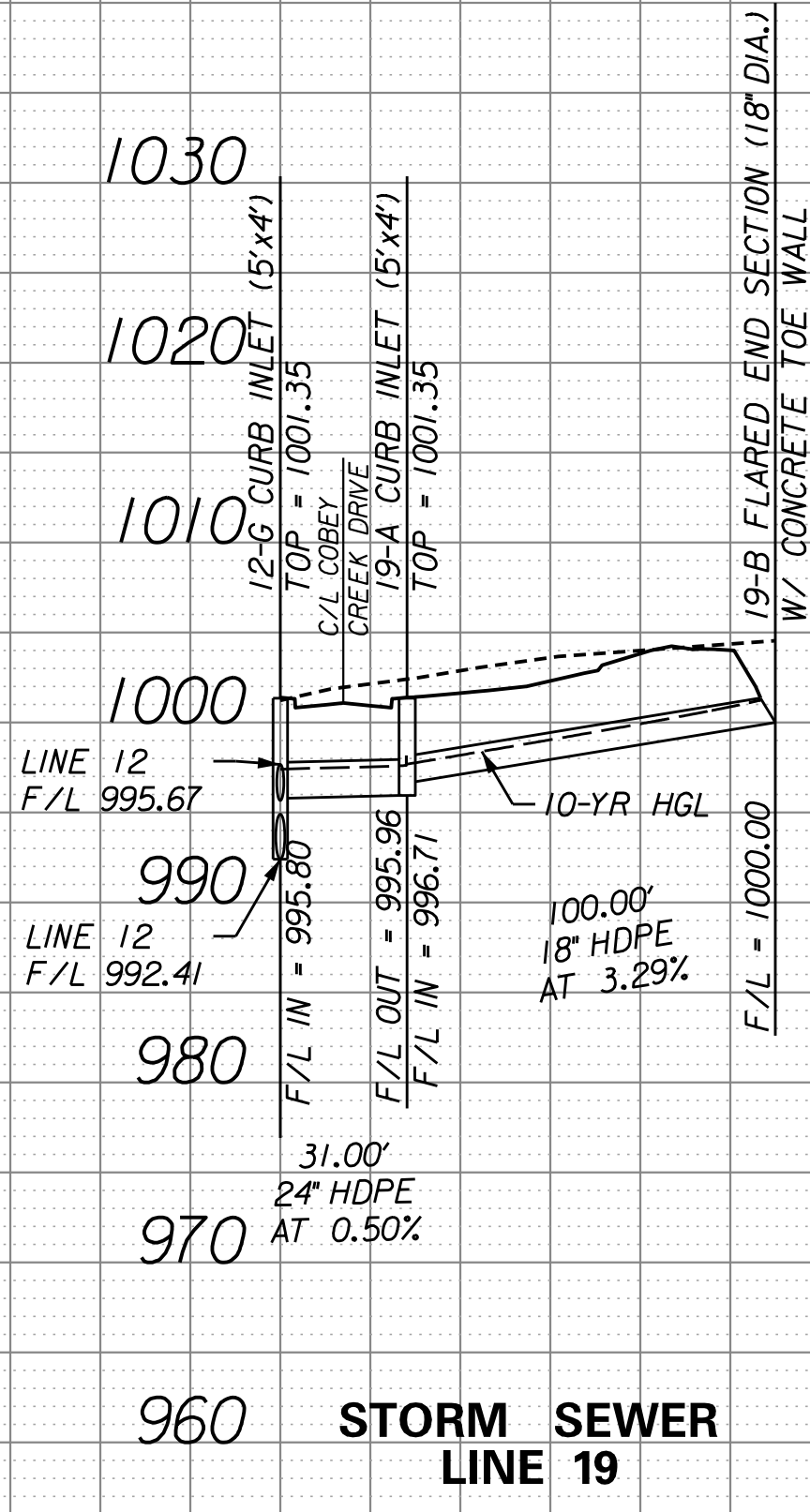
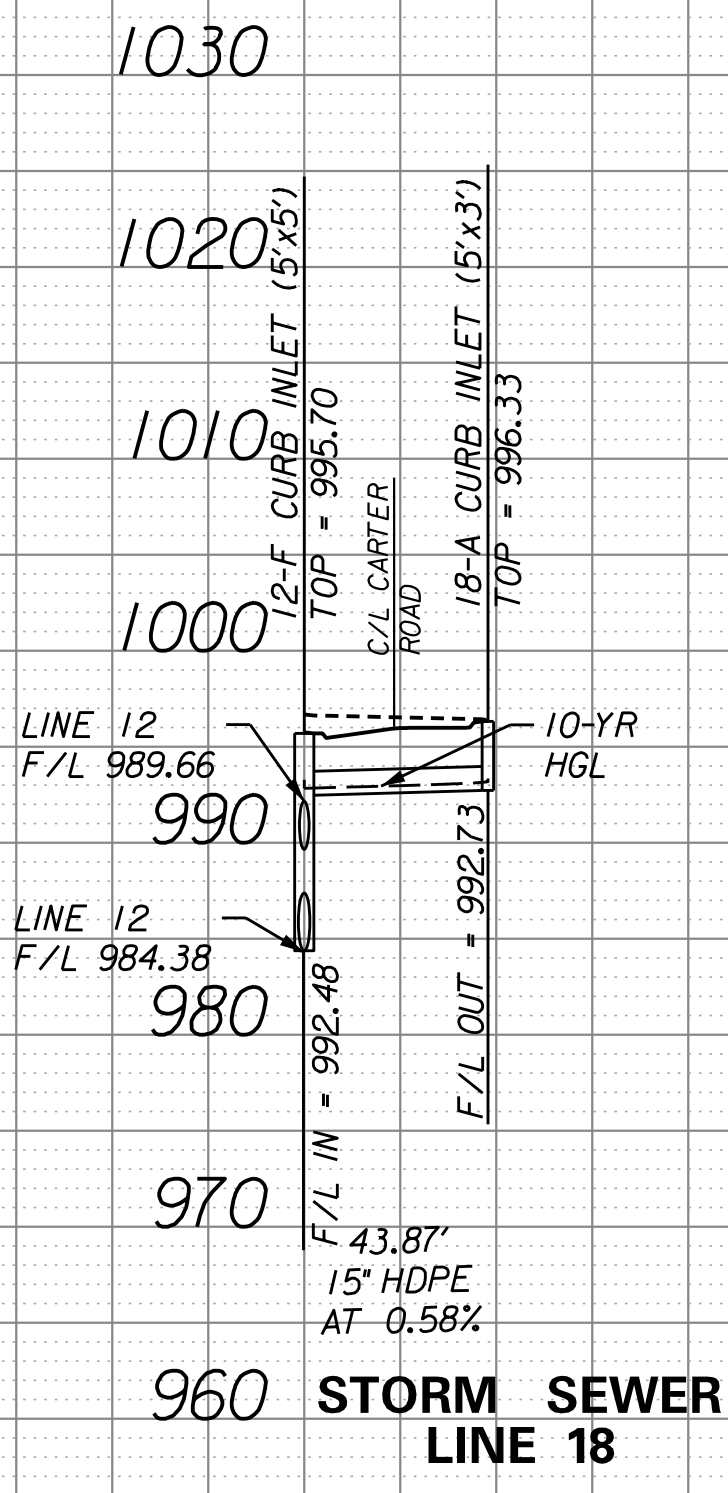
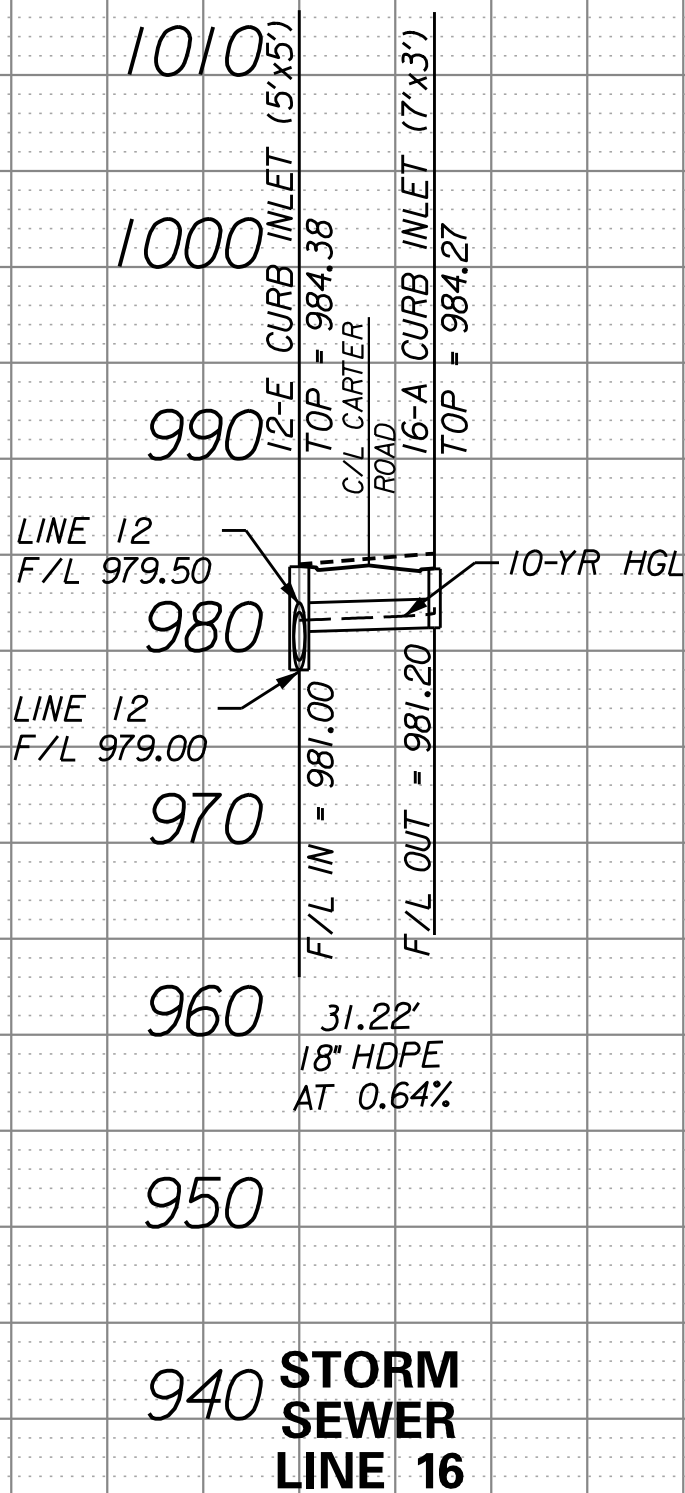
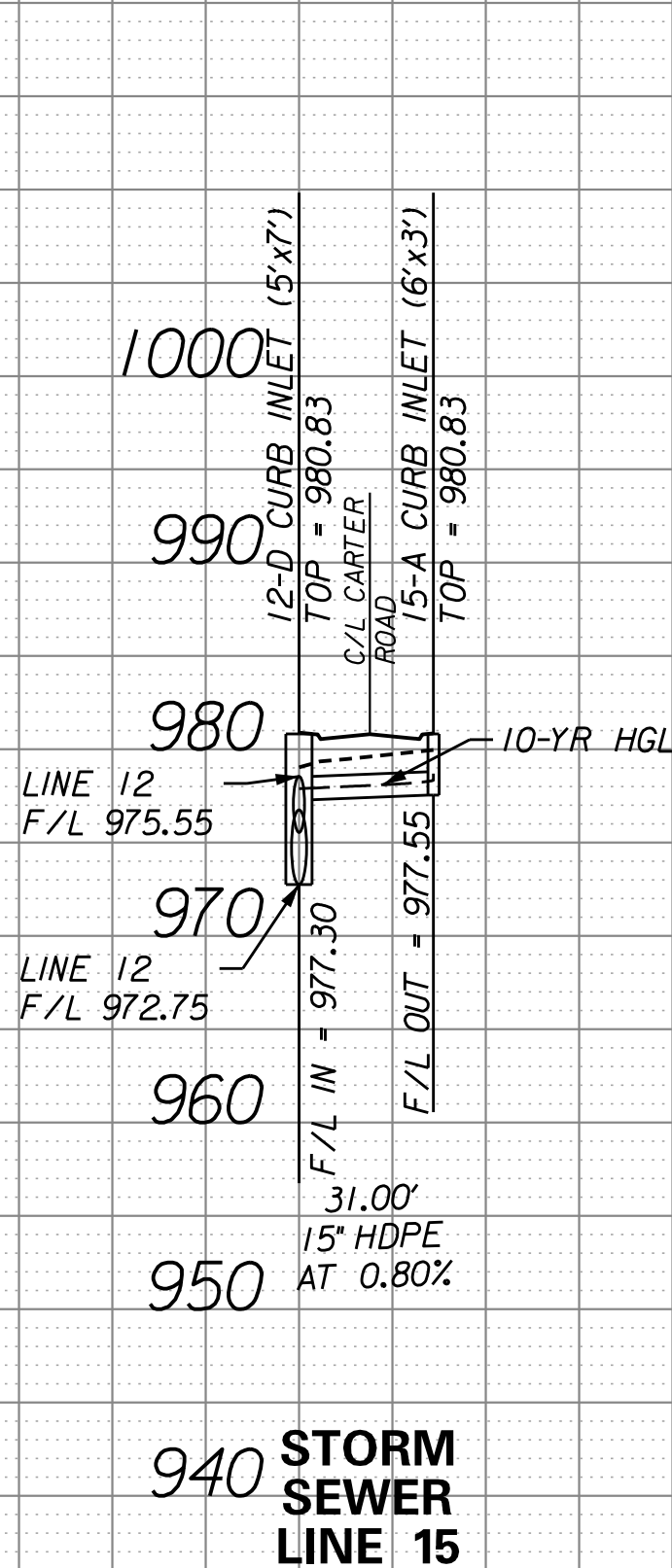
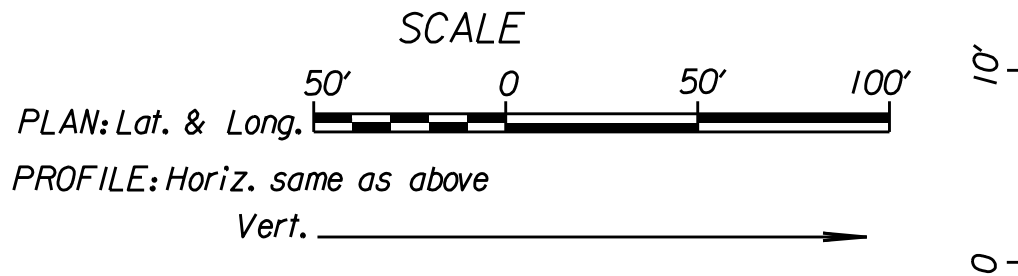
SHEET 16 OF 53

3/27/2019
16_059-StormPlanProf08-Lines15-01.dgn



GENERAL NOTES:

1. ALL CALLOUTS ARE TO CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
2. ALL STRUCTURE DIMENSIONS ARE TAKEN FROM INSIDE FACE TO INSIDE FACE.
3. FUTURE PHASE ACTIVITY IS DELINEATED WITH DASHED LINES AND GREYED-OUT LINework.
4. FLARED END SECTION IS MEANT TO BE TEMPORARY UNTIL FUTURE STORM IS DEVELOPED, AT WHICH TIME THE FLARED END SECTION CAN BE REPLACED BY ANOTHER STRUCTURE OR ADDITIONAL PIPE.



NO.		BY		DATE		REVISION	
1	1	RAM	RKS	3/27/19			
2	2	RAM	RKS	3/27/19			
3	3	RAM	RKS	3/27/19			

3/27/19
ADDRESS CITY COMMENTS DATED 3/20/19
3/27/19
ADDRESS CITY COMMENTS DATED 12/18/18
11/22/18
SUBMITTAL TO CITY OF LEE'S SUMMIT

F THIS IS NOT A BLUE INK SEAL AND THE SIGNATURE IS NOT IN BLUE INK, THE PLAN IS A COPY AND MAY CONTAIN UNAUTHORIZED ALTERATIONS. THE CERTIFICATION CONTAINED ON THIS DOCUMENT SHALL NOT APPLY TO ANY COPIES.

R. KEVIN STERRETT, MO E-26440

3/27/19

Consult Inc engineers planners

11010 Haskell St. Ste. 210 Kansas City, KS 66109 816-759-2285 CORPORATE LICENSE NO. E2010005873

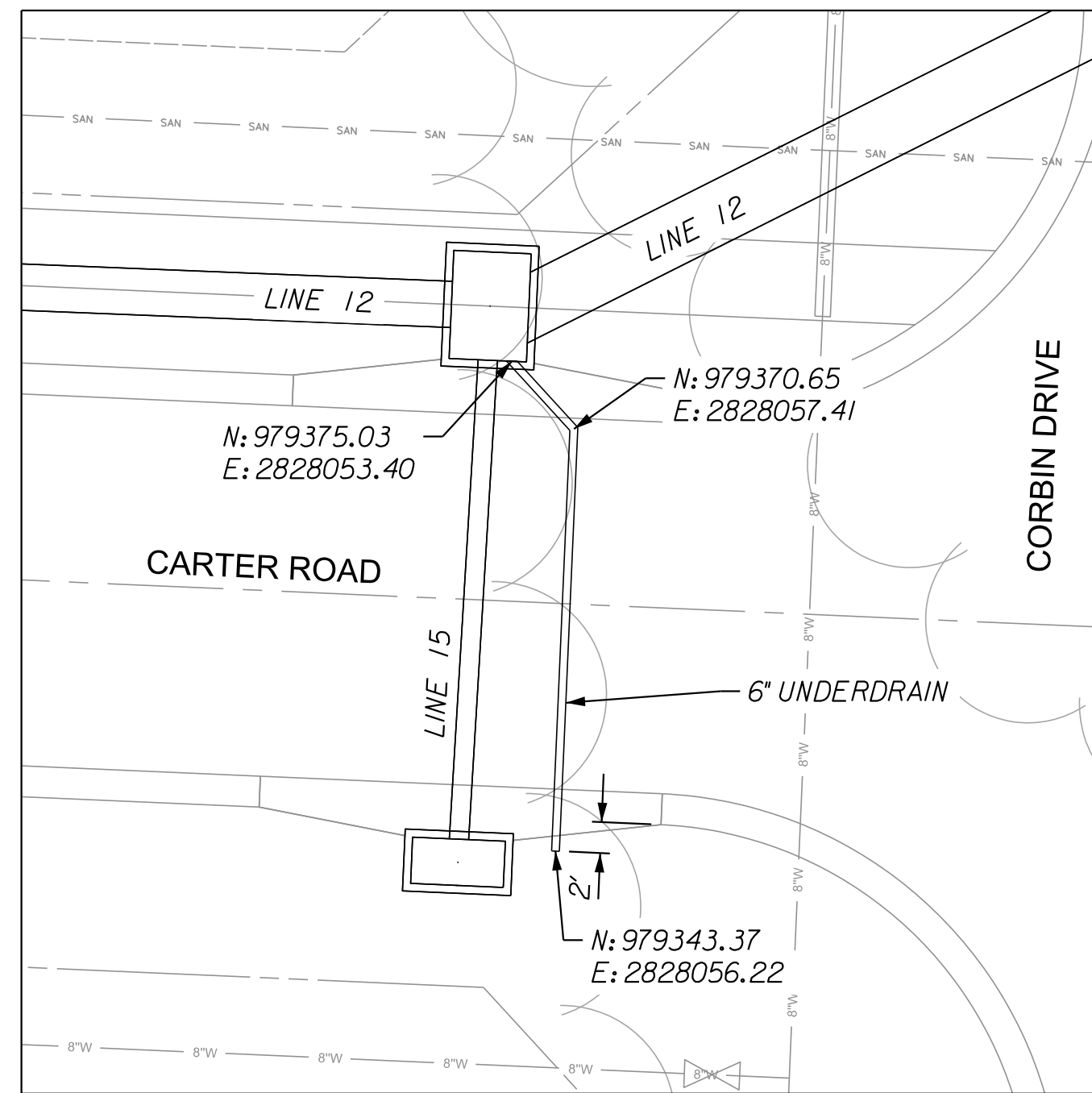
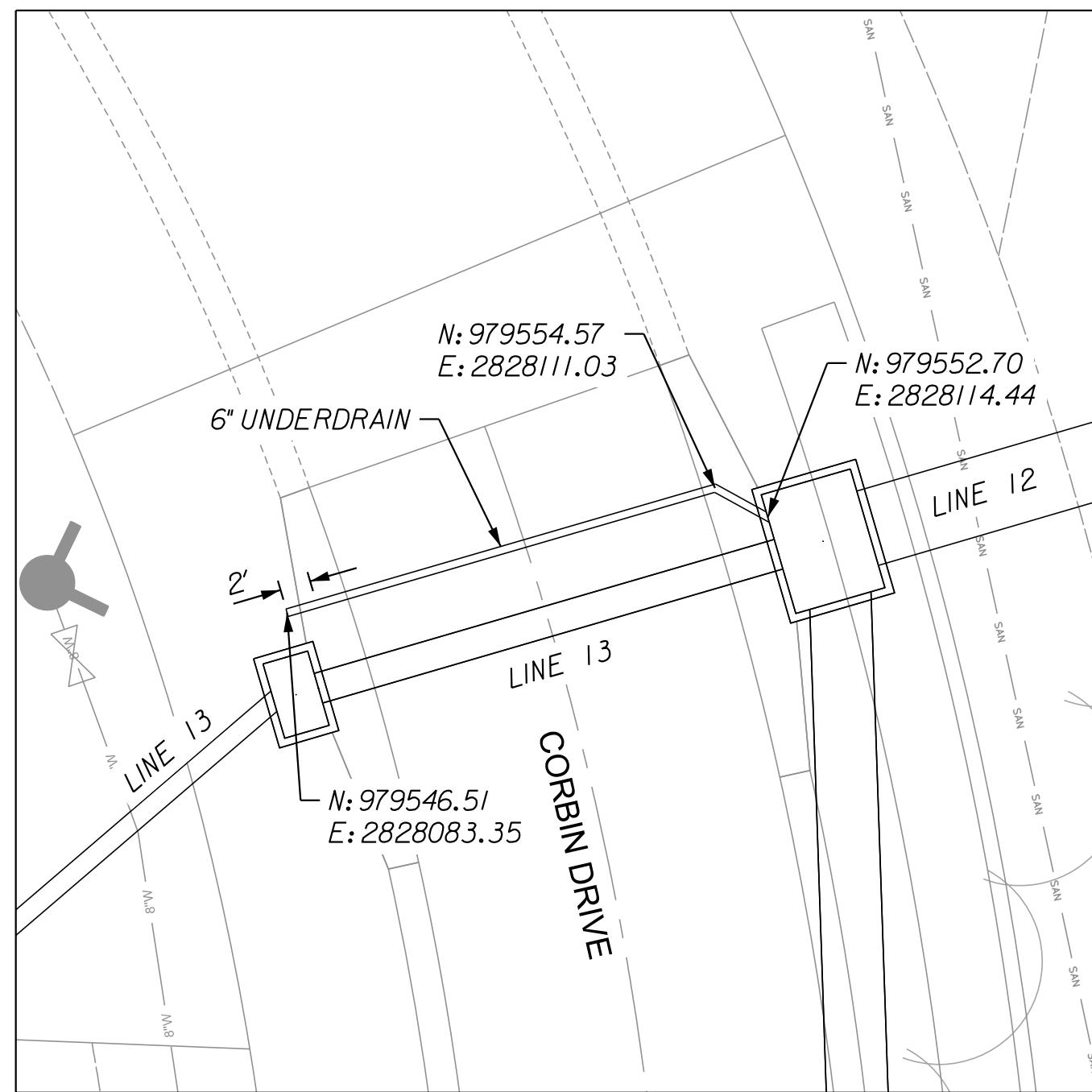
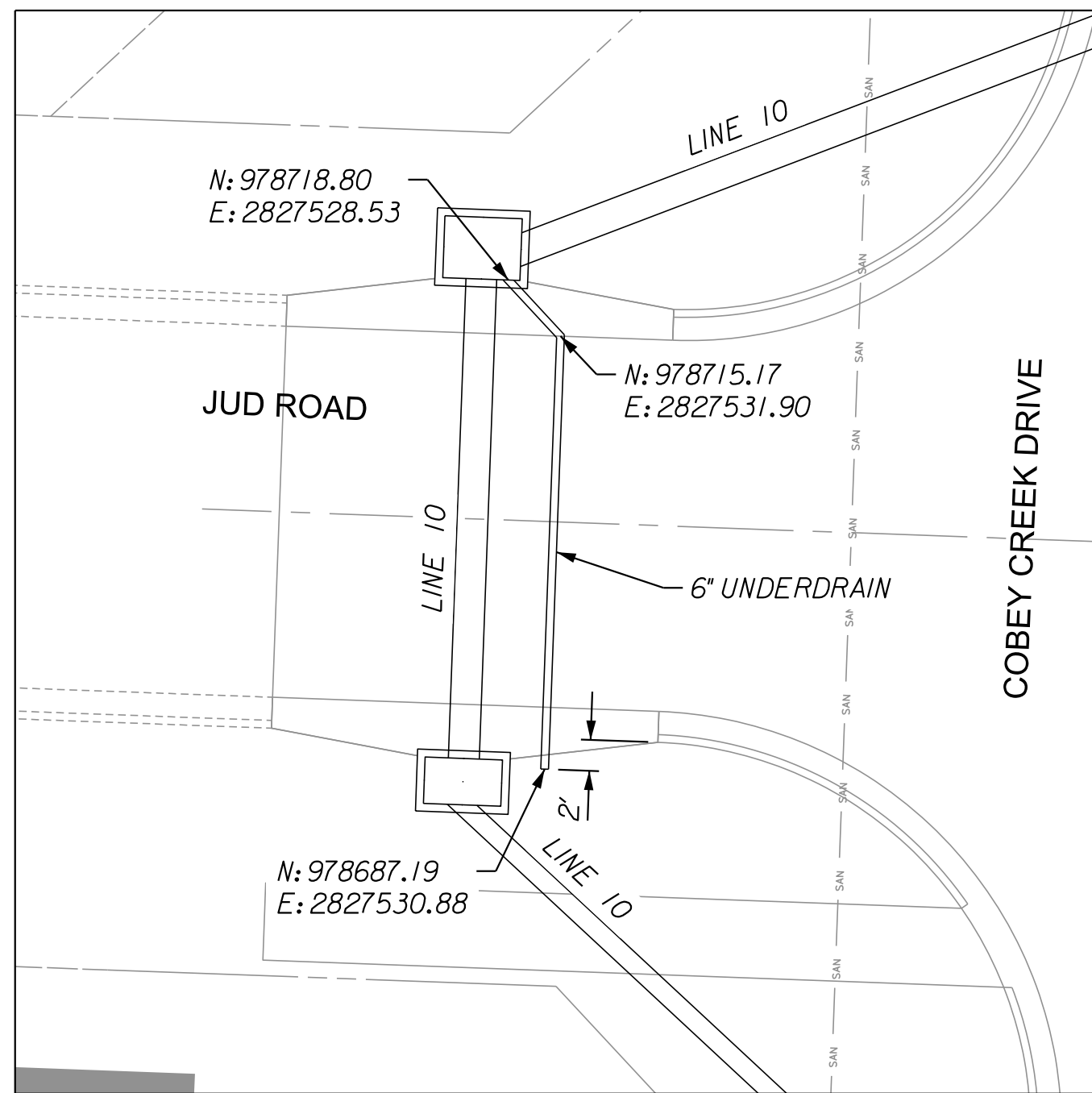
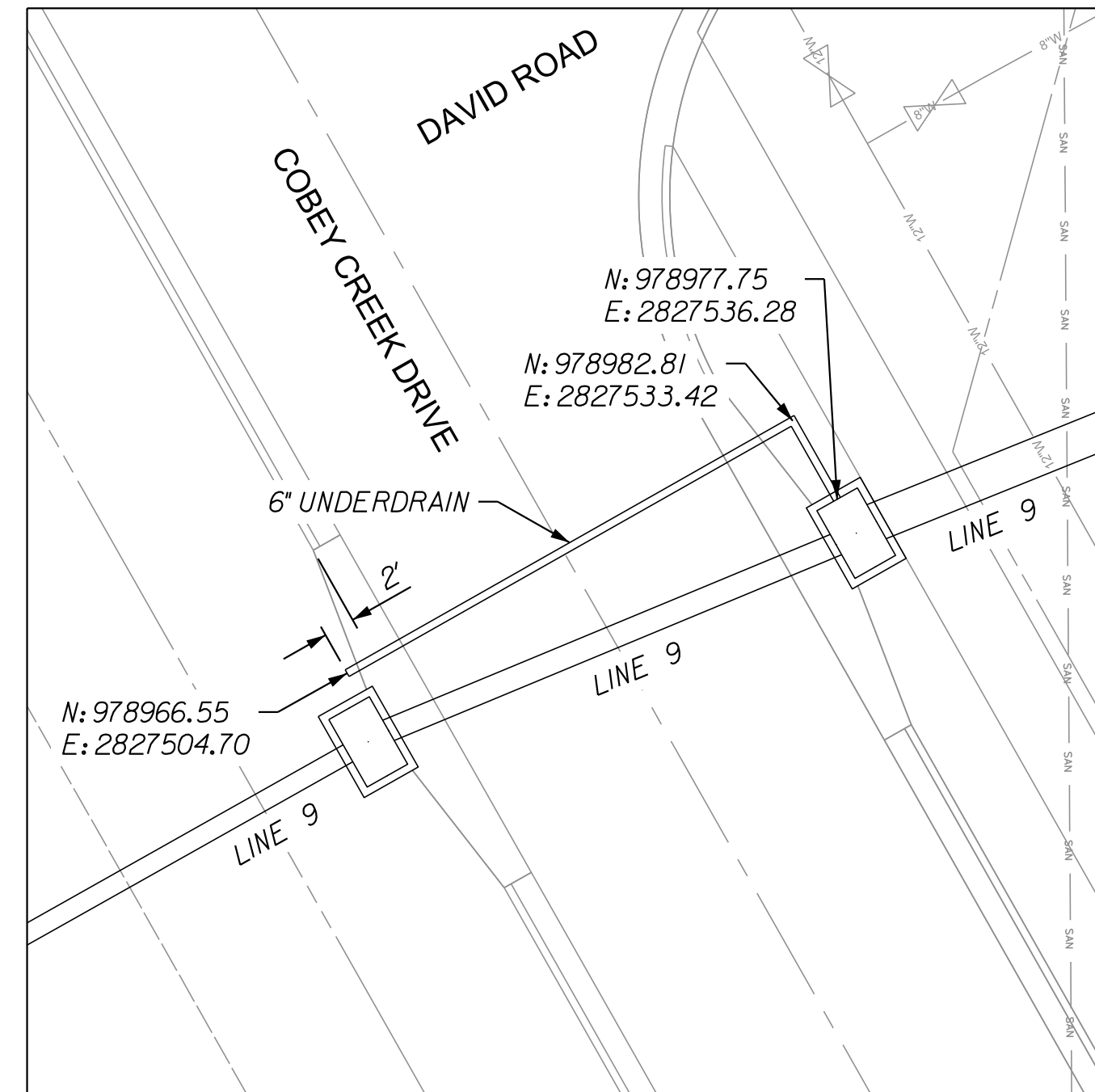
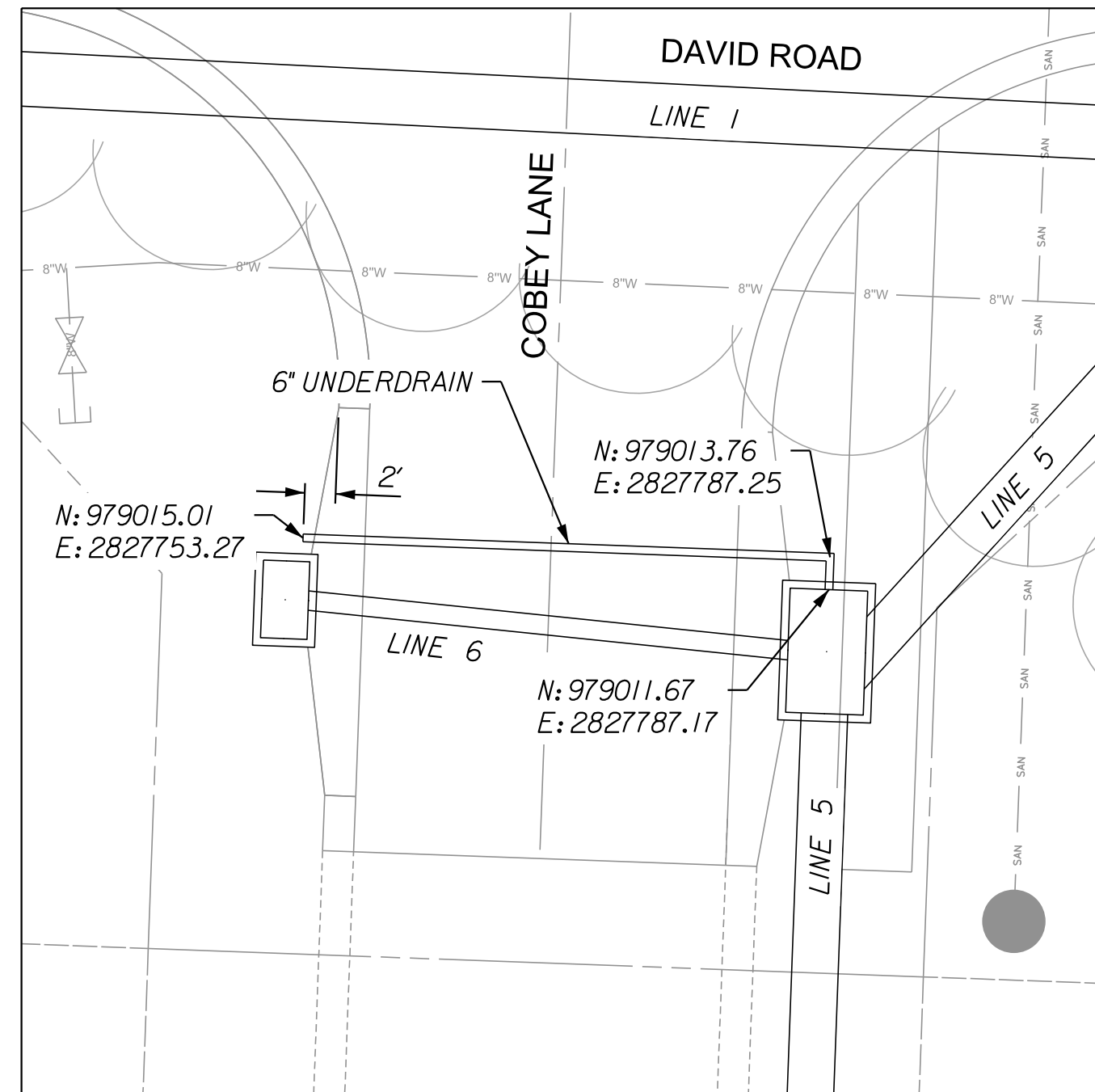
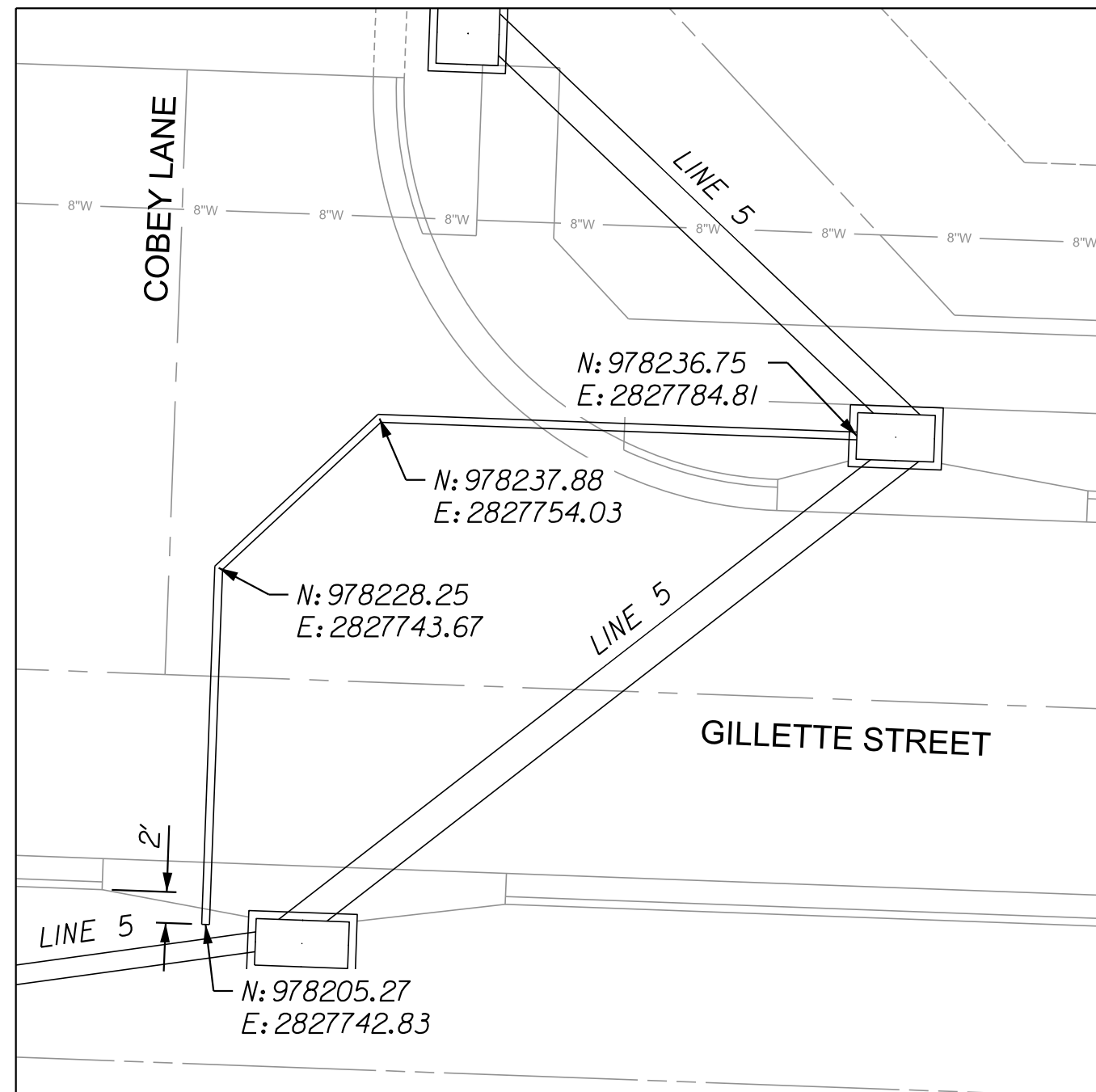
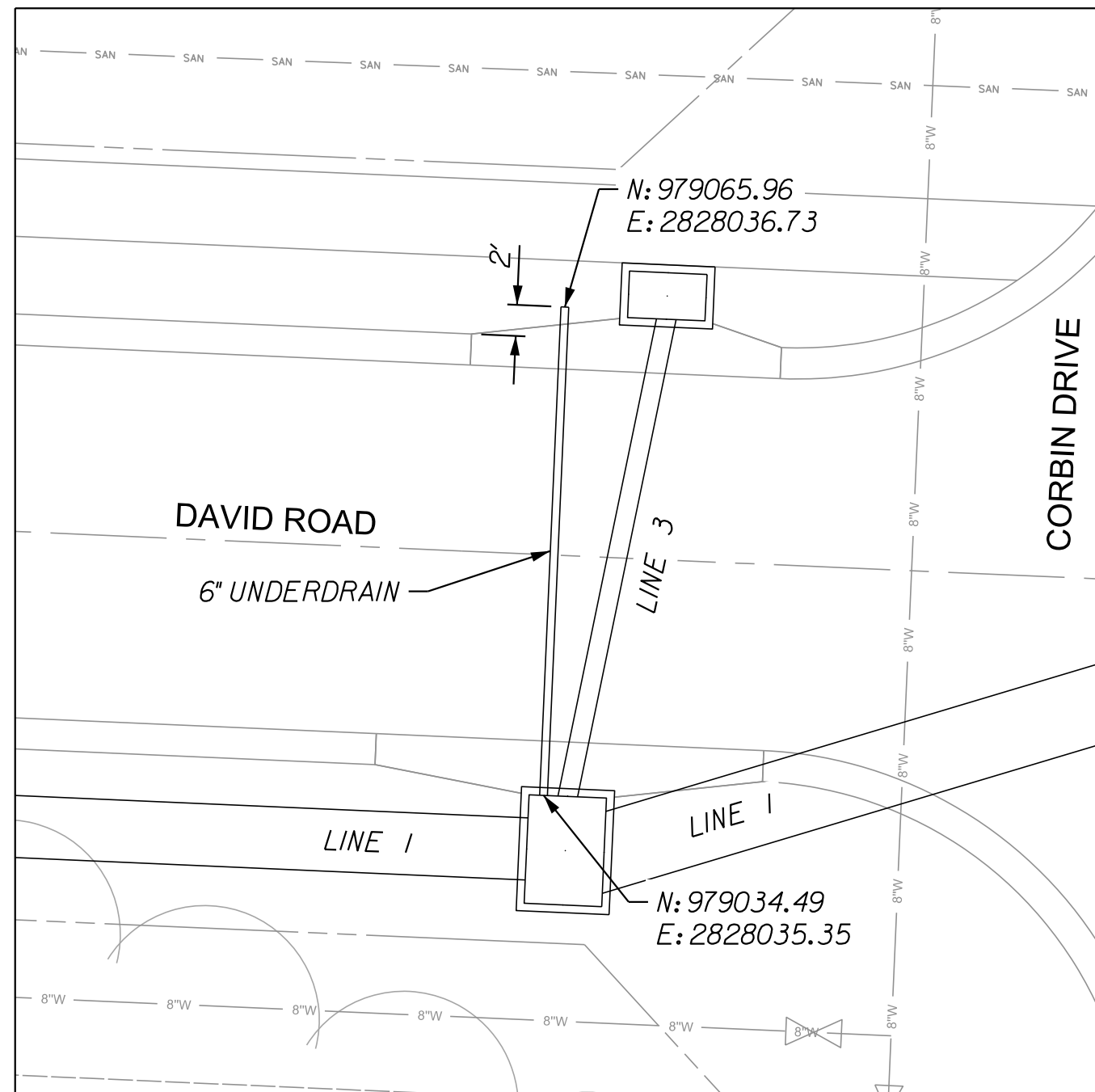
STORM SEWER LINES 15, 16, 18, AND 19

COBEY CREEK

CITY OF LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

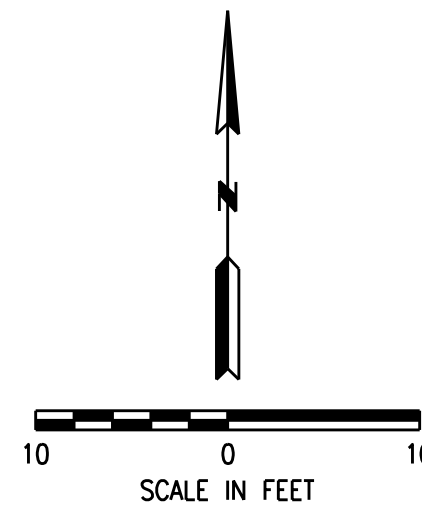
X-REF. NO. XXX
DRAWING NO. XXX
DATE March 27, 2019
JOB NO. 16_059_01

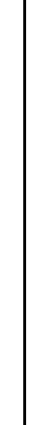
17 SHEET OF 53



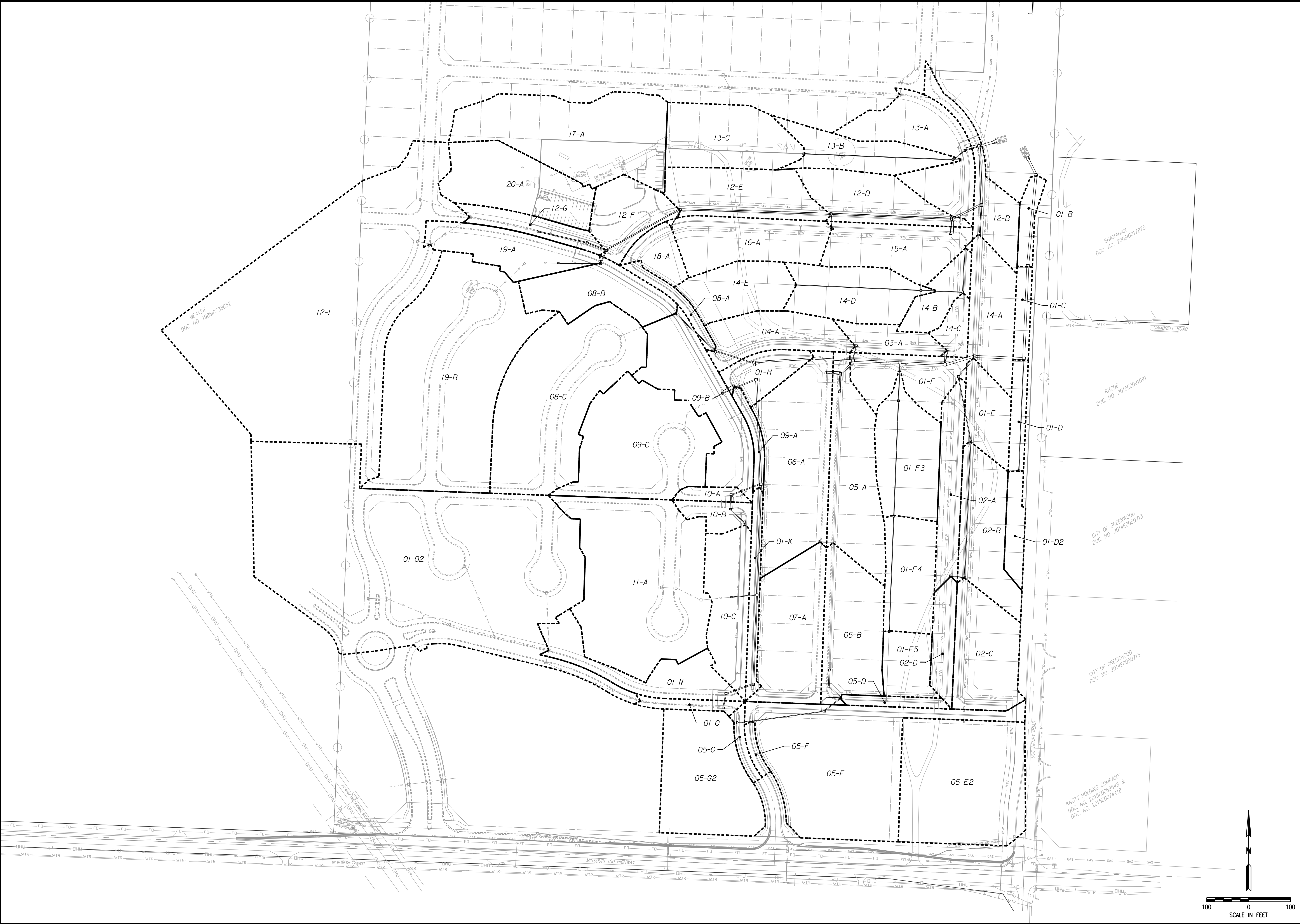
GENERAL NOTES:

1. SEE UNDERDRAIN DETAIL SHEET FOR
ADDITIONAL UNDERDRAIN INFORMATION.



18	SHEET OF	53	K-REF NO. XXXX DRAWING NO. XXXX DATE March 27, 2019 JOB NO. 16,059.01	UNDERDRAIN PLAN COBEY CREEK	CITY OF LEE'S SUMMIT, JACKSON COUNTY, MISSOURI
			11010 Haskell St. Ste 210 Kansas City, KS 66109 816-759-2285 CORPORATE LICENSE No. E2010005873 R. KEVIN STERRETT, MO E-26440	 3/27/19	DATE REVISION NO. BY C/A/APP

3/27/2019
16_059-DrainageAreas-01.dgn



DRAINAGE AREAS	
COBEY CREEK	
CITY OF LEE'S SUMMIT, JACKSON COUNTY, MISSOURI	
X-REF NO.	XXX
DRAWING NO.	XXX
DATE	March 27, 2019
JOB NO.	16.059.01
SHEET OF	53



H2O Consultants Inc.
engineers planners

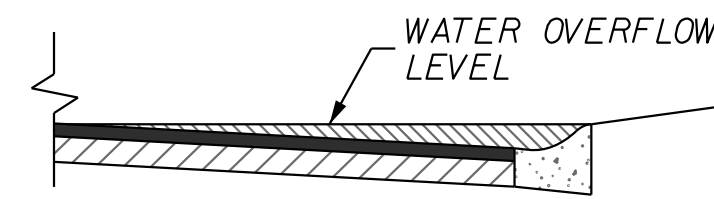


3/27/19
R. KEVIN STERRETT, NO E-26440

NO.	BY	DATE	REVISION
1	RAM	11/22/18	SUBMITTAL TO CITY OF LEE'S SUMMIT
2	RAM	3/8/19	ADDRESSED CITY COMMENTS DATED 12/18/18
3	RAM	3/27/19	ADDRESSED CITY COMMENTS DATED 3/20/19

IF THIS IS NOT A BLUE INK SEAL AND THE SIGNATURE IS NOT IN BLUE INK, THE PLAN IS A COPY AND MAY CONTAIN UNAUTHORIZED ALTERATIONS. THE CERTIFICATION CONTAINED ON THIS DOCUMENT SHALL NOT APPLY TO ANY COPIES.

COBEY CREEK PHASE 1																																					
STORM SEWER NO.	SEWER LOCATION		TRIBUTARY AREA (AC.)		COMPOSITE RUNOFF COEFFICIENT	TIME OF CONCENTRATION	10-YEAR DESIGN (k = 1)										100-YEAR DESIGN (k = 1.25)										CURB INLET			PIPE DESIGN							
	FROM STRUCTURE NO.	TO STRUCTURE NO.	AREA DESIGNATION	TOTAL ACRES			INTENSITY [in/hr] [10]	RUNOFF [cfs]				IN PIPE DOWN-STREAM [CFS]	BY PASS OUT [CFS]	10-YR INLET CAPACITY [CFS]	10-YR INLET CAPACITY 80% [CFS]	10-YR SPREAD [FT]	10-YEAR HGL	INTENSITY [in/hr] [10]	RUNOFF [cfs]				IN PIPE DOWN-STREAM [CFS]	BY PASS OUT [CFS]	100-YR INLET CAPACITY [CFS]	100-YR INLET CAPACITY 80% [CFS]	100-YEAR HGL	GUTTER SLOPE [%]	GUTTER CAPACITY [CFS]	INLET LENGTH [FT]	PIPE SIZE [in]	PIPE SLOPE [%]	PIPE TYPE	ROUGH. COEFF. [MANNINGS]	FULL VELOCITY [FPS]	FULL FLOW [CFS]	
								Q[10]	IN PIPE UPSTREAM [CFS]	BY PASS IN [CFS]	TOTAL Q[10]								Q[100]	IN PIPE UPSTREAM [CFS]	BY PASS IN [CFS]	TOTAL Q[100]															
LINE 1	NA	NA	01-O2	6.93	0.66	5.00	7.38	33.75	NA	NA	33.75	33.75	NA	NA	NA	10.32	59.00	NA	NA	59.00	59.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	01-O	01-N	01-O	0.14	7.08	0.51	5.00	7.38	0.53	33.75	0.00	34.28	34.28	0.00	21.85	21.85	1.32	1004.31	10.32	0.92	59.00	0.00	59.92	59.92	0.00	21.85	21.85	1022.32	NA	NA	5.00	2.00	1.33	HDPE	0.01	12.33	33.97
	01-N	01-M	01-N	0.74	7.82	0.51	5.00	7.38	2.79	34.28	0.00	37.07	37.07	0.00	2.80	2.79	6.31	1001.80	10.32	4.87	59.92	0.00	64.79	64.40	0.39	4.51	4.51	1015.18	1.00	32.45	5.00	2.50	0.91	HDPE	0.01	11.28	50.74
	01-M	01-L	NA	NA	7.82	NA	NA	NA	NA	37.07	0.00	37.07	37.07	0.00	NA	NA	NA	998.24	NA	NA	64.40	0.00	64.40	64.40	0.00	NA	NA	1012.50	NA	NA	2.50	0.53	HDPE	0.01	9.05	38.96	
	01-L	01-K	NA	NA	10.53	NA	NA	NA	NA	50.27	0.00	50.27	50.27	0.00	NA	NA	NA	995.49	NA	NA	64.40	0.00	64.40	64.40	0.00	NA	NA	1007.72	NA	NA	3.00	0.65	HDPE	0.01	10.71	69.91	
	01-K	01-J	01-K	0.29	11.99	0.51	5.00	7.38	1.09	55.97	0.00	57.06	57.06	0.00	1.08	1.07	1.77	991.84	10.32	1.91	64.40	0.00	66.31	66.31	0.00	1.88	1.88	1004.99	1.00	32.45	6.00	3.50	0.36	HDPE	0.01	8.85	78.82
	01-J	01-I	NA	NA	15.07	NA	NA	NA	NA	72.06	0.00	72.06	72.06	0.00	NA	NA	NA	990.18	NA	NA	66.31	0.00	66.31	66.31	0.00	NA	NA	1002.67	NA	NA	3.50	2.80	HDPE	0.01	20.10	218.81	
	01-I	01-H	NA	NA	18.42	NA	NA	NA	NA	88.08	0.00	88.08	88.08	0.00	NA	NA	NA	989.68	NA	NA	66.31	0.00	66.31	66.31	0.00	NA	NA	1001.14	NA	NA	3.50	0.26	HDPE	0.01	8.89	66.99	
	01-H	01-G	01-H	0.37	18.79	0.51	5.00	7.38	1.39	88.08	0.00	89.47	89.47	0.00	1.38	1.37	1.59	987.64	10.32	2.43	66.31	0.00	68.74	68.74	0.00	2.41	2.41	996.47	2.96	16.39	6.00	3.50	2.00	HDPE	0.01	18.72	118.04
	01-G	01-F2	NA	NA	30.73	NA	NA	NA	NA	141.92	0.00	141.92	141.92	0.00	NA	NA	NA	984.60	NA	NA	68.74	0.00	68.74	68.74	0.00	NA	NA	994.97	NA	NA	4.00	0.40	HDPE	0.01	10.83	118.67	
	01-F2	01-F	NA	NA	32.85	NA	NA	NA	NA	149.86	0.00	149.86	149.86	0.00	NA	NA	NA	982.76	NA	NA	68.74	0.00	68.74	68.74	0.00	NA	NA	990.58	NA	NA	4.00	0.40	HDPE	0.01	11.37	118.04	
	01-F	01-E	01-F	0.64	33.82	0.51	5.00	7.38	2.41	151.10	0.03	153.54	153.54	0.00	21.85	21.85	4.77	981.50	10.32	4.21	68.74	0.47	73.42	73.42	0.00	21.85	21.85	987.91	NA	NA	5.00	5.00	0.10	HDPE	0.01	7.42	106.84
	01-E	01-D	01-E	0.48	37.07	0.51	5.00	7.38	1.81	163.56	0.41	165.78	165.78	0.00	2.20	2.19	1.85	981.37	10.32	3.16	73.42	2.47	79.05	78.61	0.44	5.16	5.16	987.51	3.30	17.31	7.00	5.00	0.20	HDPE	0.01	8.84	151.42
	01-D	01-C	01-D	0.22	37.55	0.51	5.00	7.38	0.83	166.72	0.00	167.55	167.55	0.00	48.30	48.30	3.42	980.76	10.32	1.45	78.61	0.00	80.06	80.06	0.00	48.30	48.30	985.66	NA	NA	21.00	5.00	0.20	HDPE	0.01	8.87	151.39
	01-C	01-B	01-C	0.19	37.74	0.51	5.00	7.38	0.72	167.55	0.00	168.26	168.26	0.00	39.10	39.10	0.60	978.89	10.32	1.25	80.06	0.00	81.31	81.31	0.00	39.10	39.10	982.15	NA	NA	17.00	5.00	0.10	HDPE	0.01	8.02	107.18
	01-B	01-A	01-B	0.19	37.93	0.51	5.00	7.38	0.72	168.26	0.00	168.98	168.98	0.00	39.10	39.10	3.47	978.49	10.32	1.25	81.31	0.00	82.56	82.56	0.00	39.10	39.10	980.64	NA	NA	17.00	5.00	0.40	HDPE	0.01	11.82	213.89
LINE 1D	01-D2	01-D	01-D2	0.25	0.25	0.51	5.00	7.38	0.94	0.00	0.00	0.94	0.94	0.00	27.60	27.60	5.31	996.93	10.32	1.64	0.00	0.00	1.64	1.64	0.00	27.60	27.60	997.10	NA	NA	12.00	1.25	3.01	HDPE	0.01	6.71	14.57
LINE 1F	01-F5	01-F4	01-F5	0.41	0.41	0.51	5.00	7.38	1.54	0.00	0.00	1.54	1.54	0.00	27.60	27.60	7.34	998.48	10.32	2.70	0.00	0.00	2.70	2.70	0.00	27.60	27.60	998.73	NA	NA	12.00	1.25	3.00	HDPE	0.01	7.73	14.55
	01-F4	01-F3	01-F4	0.75	1.16	0.51	5.00	7.38	2.82	1.54	0.00	4.37	4.37	0.00	27.60	27.60	10.92	990.40	10.32	4.93	2.70	0.00	7.63	7.63	0.00	27.60	27.60	995.38	NA	NA	12.00	1.25	1.65	HDPE	0.01	8.26	10.78
	01-F3	01-F2	01-F3	0.95	2.12	0.51	5.00	7.38	3.58	4.37	0.00	7.94	7.94	0.00	47.15	47.15	8.99	986.04	10.32	6.25	7.63	0.00	13.88	13.88	0.00	47.15	47.15	993.07	NA	NA	16.00	1.25	1.28	HDPE	0.01	8.60	9.49
LINE 2	02-D	02-C	02-D	0.34	0.34	0.51	5.00	7.38	1.28	0.00	0.00	1.28	1.28	0.00	1.28	1.27	1.73	1002.31	10.32	2.24	0.00	0.00	2.24	2.24	0.00	2.23	2.23	1002.57	1.61	12.09	5.00	1.25	0.50	HDPE	0.01	3.84	5.94
	02-C	02-B	02-C	0.95	1.29	0.51	5.00	7.38	3.58	1.28	0.00	4.86	4.70	0.16	3.43	3.42	6.37	1002.01	10.32	6.25	2.24	0.00	8.49	7.23	1.26	5.01	5.01	1002.45	1.61	12.09	5.00	1.50	3.30	HDPE	0.01	10.89	24.82
	02-B	02-A	02-B	0.91	2.20	0.51	5.00	7.38	3.43	4.70	0.16	8.28	7.87	0.41	3.16	3.15	3.46	991.15	10.32	5.99	7.23	1.26	14.47	12.00	2.47	4.75	4.75	991.85	3.84	18.67	5.00	1.50	3.07	HDPE	0.01	12.22	23.94
	02-A	01-E	02-A	0.58	2.78	0.51	5.00	7.38	2.18	7.87	0.00	10.05	10.02	0.03	2.17	2.16	1.85	985.21	10.32	3.82	12.00	0.00	15.82	15.35	0.47	3.37	3.37	988.12	3.30	17.31	5.00	2.00	1.73	HDPE	0.01	10.37	38.70
LINE 3	03-A	01-F	03-A	0.33	0.33	0.51	5.00	7.38	1.24	0.00	0.00	1.24	1.24	0.00	1.22	1.22	1.86	983.47	10.32	2.17	0.00	0.30	2.47	2.47	0.00	2.44	2.44	987.98	1.00	9.53	5.00	1.25	1.00	HDPE	0.01	4.87	8.40
LINE 4	04-A	01-G	04-A	0.70	0.70	0.51	5.00	7.38	2.63	0.00	0.00	2.63	2.63	0.00	2.64	2.63	5.94	986.26	10.32	4.61	0.00	0.00	4.61	4.31	0.30	4.32	4.32	995.30	1.00	9.53	5.00	1.25	0.10	HDPE	0.01	2.45	2.64
LINE 5	NA	NA	05-G2	1.40	1.40	0.81	5.00	7.38	8.37	NA	NA	8.37	8.37	NA	NA	NA	NA	NA	10.32	14.63	NA	NA	14.63	14.63	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	05-G	05-F	05-G	0.11	1.51	0.51	5.00	7.38	0.41	8.37	0.00	8.78	8.78	0.00	21.85	21.85	1.19	1003.15	10.32	0.72	14.63	0.00	15.35	15.35	0.00	21.85	21.85	1021.40	NA	NA	5.00	1.25	1.08	HDPE	0.01	8.12	8.72
	05-F	05-E	05-F	0.08	1.58	0.51	5.00	7.38	0.30	8.78	0.00	9.08	9.08	0.00	0.29	0.28	1.08	998.66	10.32	0.53	15.35	0.00	15.88	15.88	0.00	0.50	0.50	1017.84	1.00	9.53	5.00	1.25	1.60	HDPE	0.01	9.72	10.62
	NA	NA	05-E2	2.00	2.00	0.81	5.00	7.38	11.96	9.08	NA	21.04	21.04	NA	NA	NA	NA	NA	10.32	20.90	15.85	NA	36.78	36.78	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	05-E	05-D	05-E	2.46	6.05	0.51	5.00	7.38	9.26	21.04	0.00	30.30	30.30	0.00	24.15	24.15	9.40	996.44	10.32	16.18	36.78	0.00	52.96	52.96	0.00	24.15	24.15	1011.63	NA	NA	6.00	2.00	3.77	HDPE	0.01	18.38	57.07
	05-D	05-C	05-D	0.14	6.19	0.51	5.00	7.38	0.54	30.30	0.00	30.84	30.84	0.00	0.54	0.53	1.04	994.63	10.32	0.92	52.96	0.00	53.88	53.88	0.00	0.94	0.94	1008.38	4.20	66.50	5.00	2.00	3.46	HDPE	0.01	17.86	54.72
	05-C	05-B	NA	NA	6.19	NA	NA	NA	NA	30.84	0.00	30.84	30.84	0.00	NA	NA	NA	991.98	NA	NA	53.88	0.00	53.88	53.88	0.00	NA	NA	1003.98	NA	NA	2.50	0.92	HDPE	0.01	10.87	51.01	
	05-B	05-A	05-B	1.07	8.39	0.51	5.00	7.38	4.03	35.07	0.00	39.10	39.10	0.00	4.02	4.01	7.46	987.54	10.32	7.04	53.88	0.00	60.92	60.52	0.40	6.63	6.63	999.11	1.43	38.80	7.00	3.00	0.43	HDPE	0.01	8.60	56.53
	05-A	01-G	05-A	1.18	11.24	0.51	5.00	7.38	4.44	45.37	0.00	49.81	49.81	0.00	28.75	28.75	7.15	985.18	10.32	7.76	60.52	0.40	68.68	68.68	0.00	28.75	28.75	996.77	NA	NA	8.00	3.00	2.21	HDPE	0.01	16.76	128.90
LINE 6	06-A	05-A	06-A	1.66	1.66	0.51	5.00	7.38	6.25	0.0																											



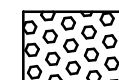
**100 YEAR STORM
OVERFLOW PATH**
NOT TO SCALE

THE STREET GUTTERING SYSTEM WILL SERVE AS THE ROUTING FOR STORM FLOWS THAT EXCEED THE PIPE SYSTEM CAPACITY (10 YEAR STORM FREQUENCY), BASED ON THE STREET TYPICAL SECTION AND PROFILE GRADES OF 1% TO 4.2%. BY IZZARD'S TRIANGULAR SECTION FLOW FORMULA, CAPACITY WITHIN THE CURBS (32.5-66.5 CFS FOR CG1, 9.5-18.7 CFS FOR CG2) WILL HANDLE THE OVERTFLOW FROM THE FLOWS FROM HIGHER FREQUENCY STORMS.

[illegible]

LEGEND

EW = EDGE OF WALK
TC = TOP OF CURB
EP = EDGE OF PAVEMENT
TC / EW = TOP OF CURB = EDGE OF WALK
TC / EP = TOP OF CURB = EDGE OF PAVEMENT
H.P. = HIGH POINT

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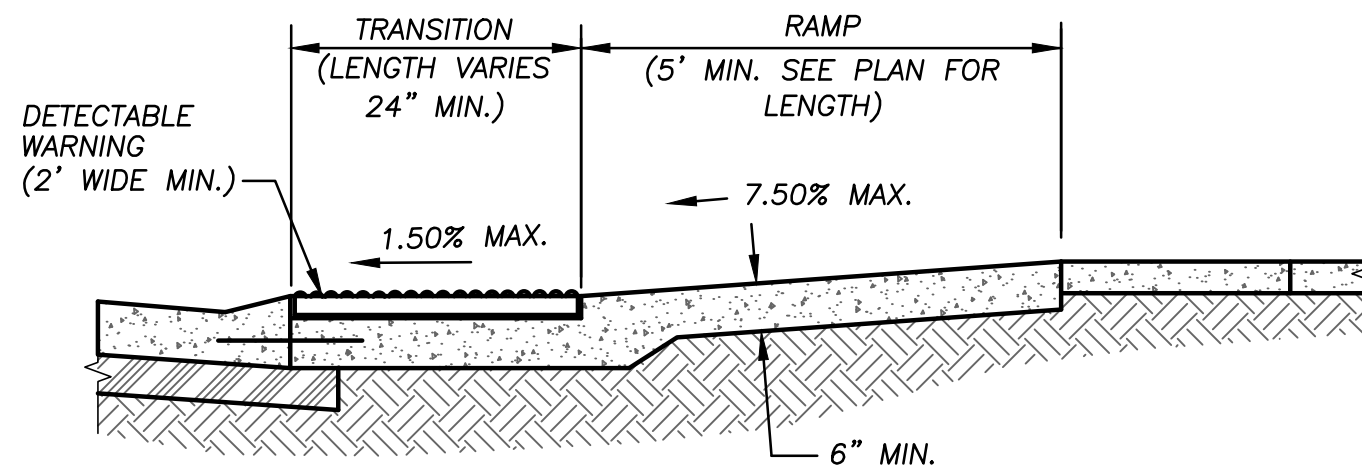
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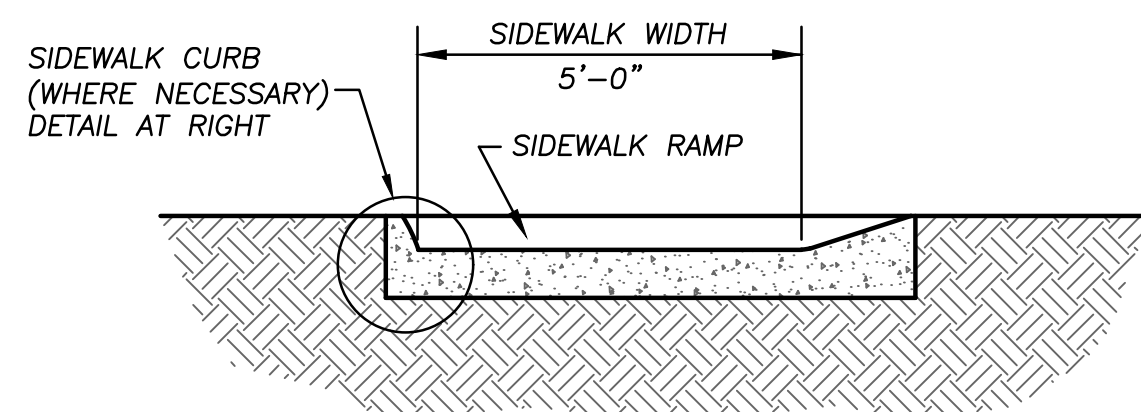
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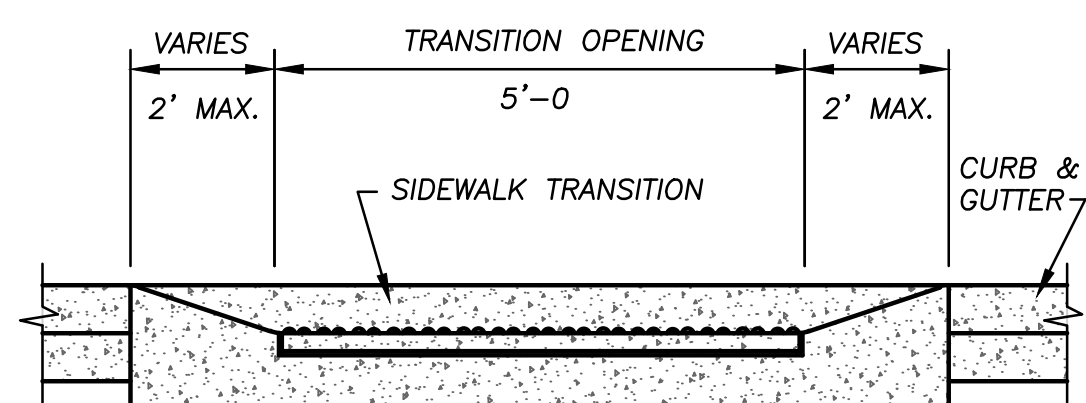
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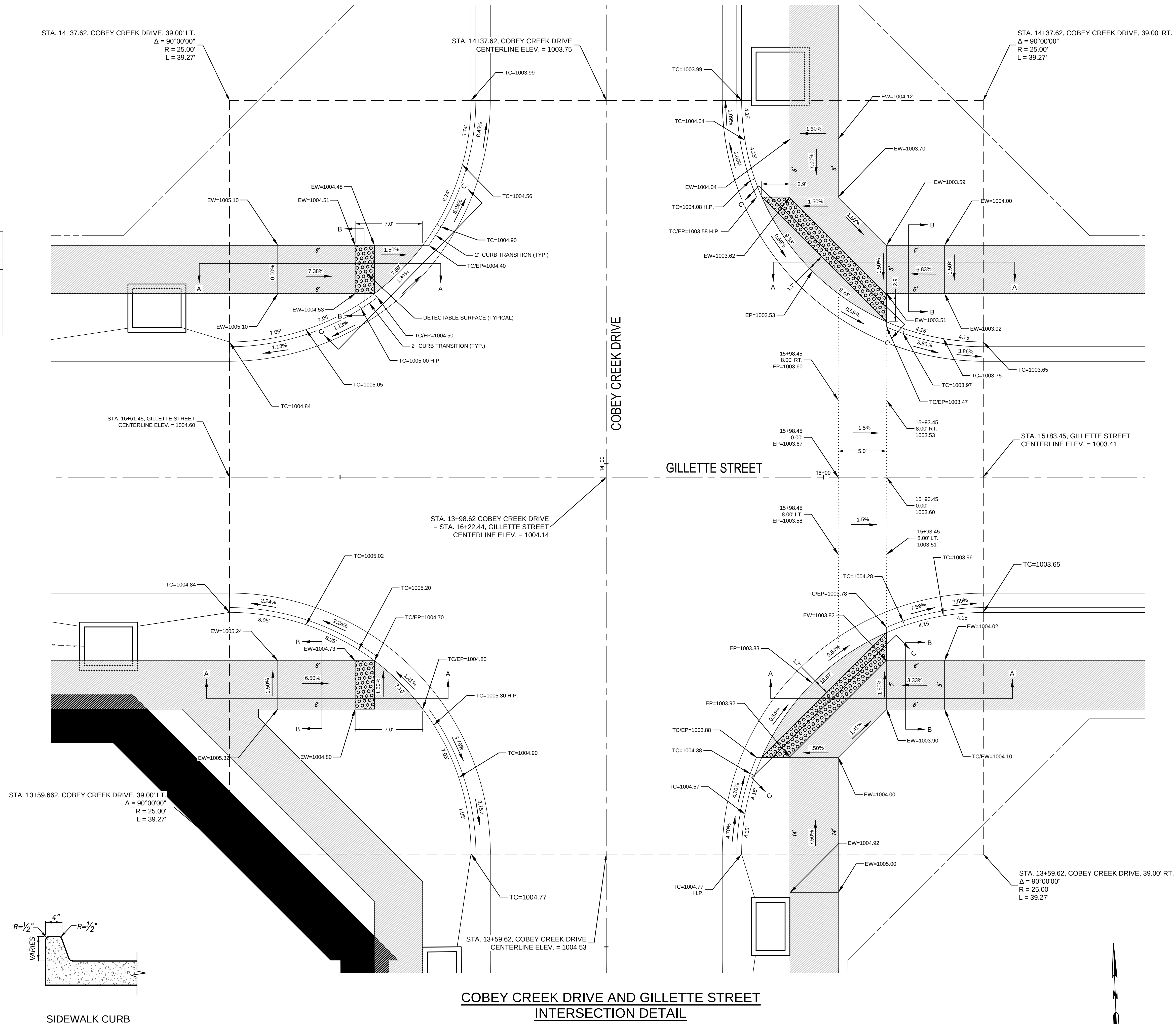
SECTION A-A



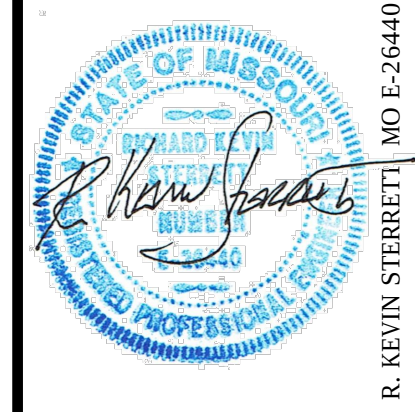
SECTION B-B



SECTION C-C



NO.	BY	DATE	REVISION	DATE
1	SPW	07/20/19	PER CITY COMMENTS	07/20/19
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JULY 3, 2019

STREET AND STORM SEWER PLANS
INTERSECTION AND ADA RAMP DETAILS
COBEY CREEK DRIVE AND GILLETTE STREET
COBEY CREEK FIRST PLAT
PHASE I
CITY OF LEES SUMMIT, JACKSON COUNTY, MISSOURI

X-REF NO.
16-059 Base Phase I
DRAWING NO.
16-059 Phase I Street Plans
DATE
July 30, 2019
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16-059

21 SHEET OF 53

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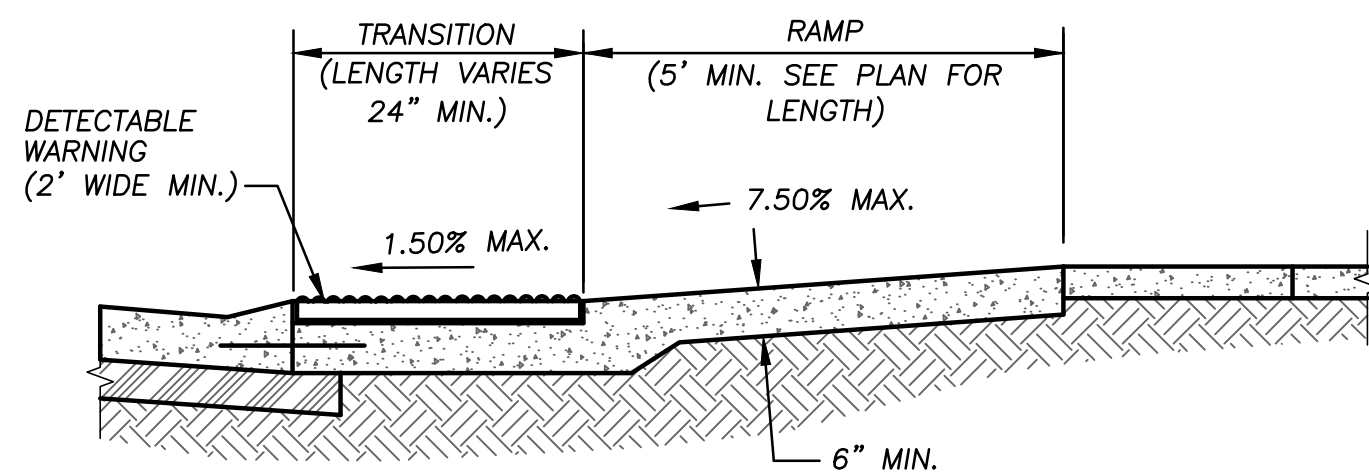
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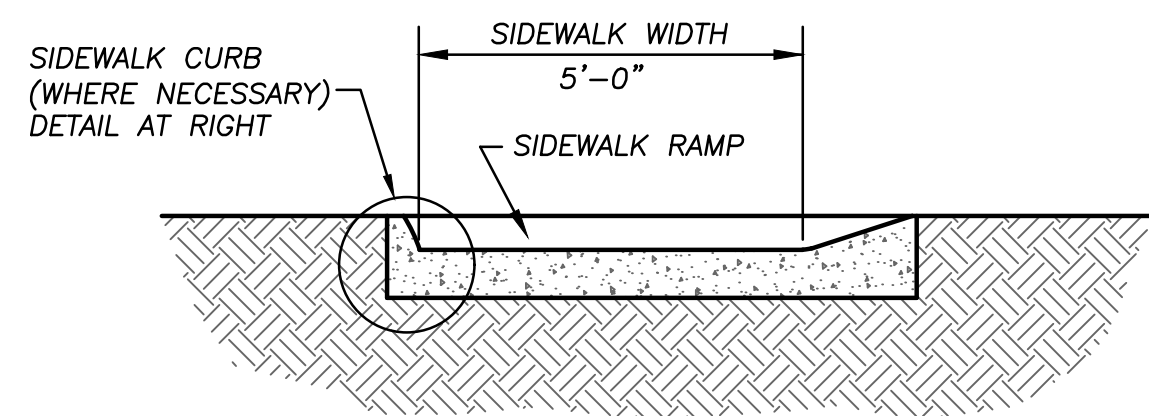
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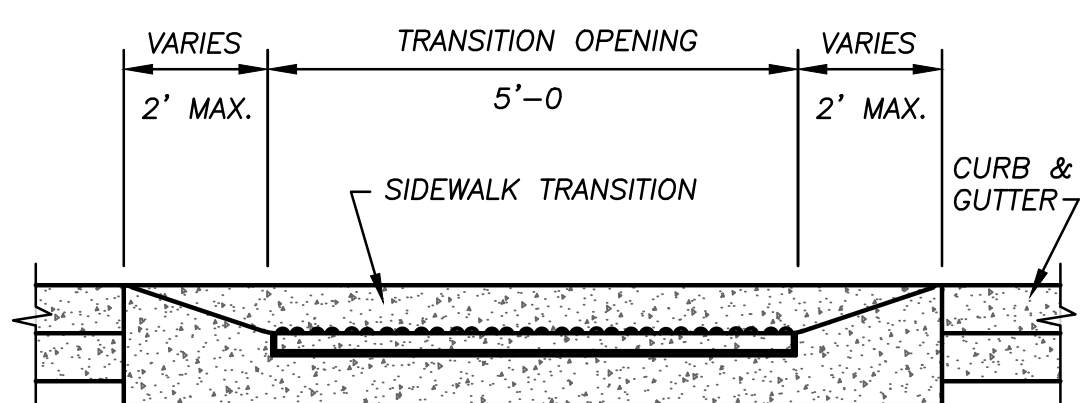
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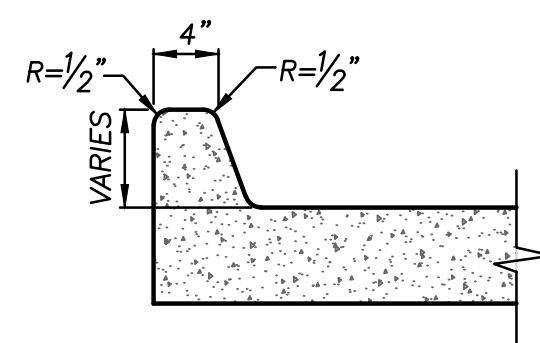
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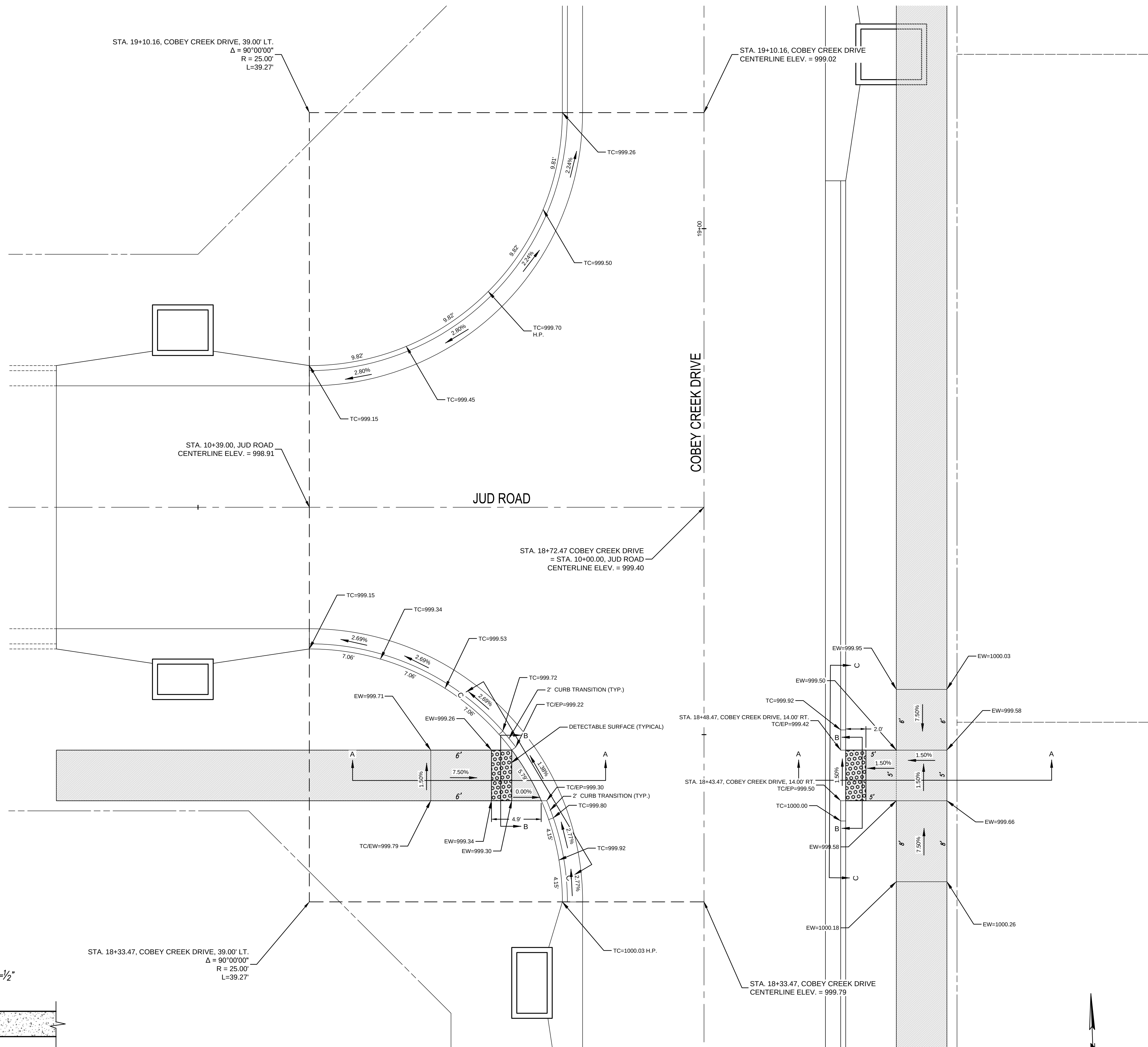
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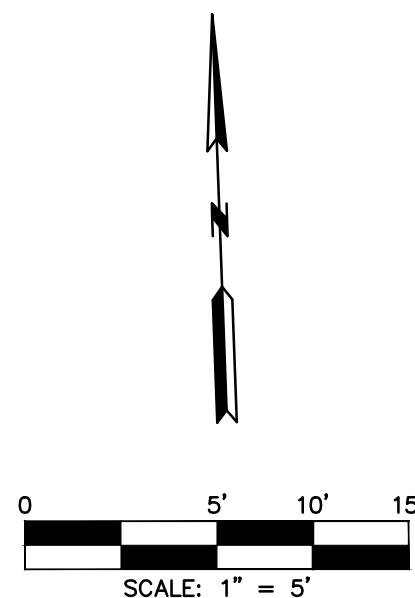
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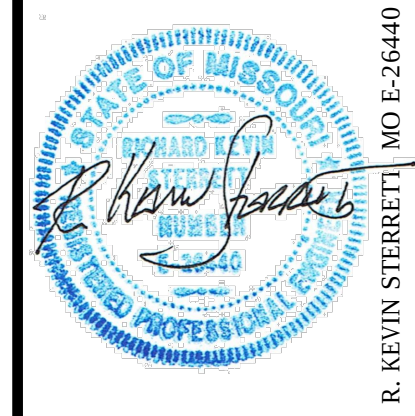
SIDEWALK CURB



COBEY CREEK DRIVE AND JUD ROAD INTERSECTION DETAIL



NO.	BY	DATE	REVISION	DATE	REVISION
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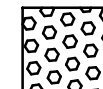
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COBEY CREEK DRIVE AND JUD ROAD
COBEY CREEK FIRST PLAT
PHASE I
CITY OF LEES SUMMIT, JACKSON COUNTY, MISSOURI

X-REF. NO. 16-059 Base Phase I
DRAWING NO. 16-059 Phase I Street Plans
DATE July 30, 2019
JOB NO. 16-059
SHEET 22 OF 53

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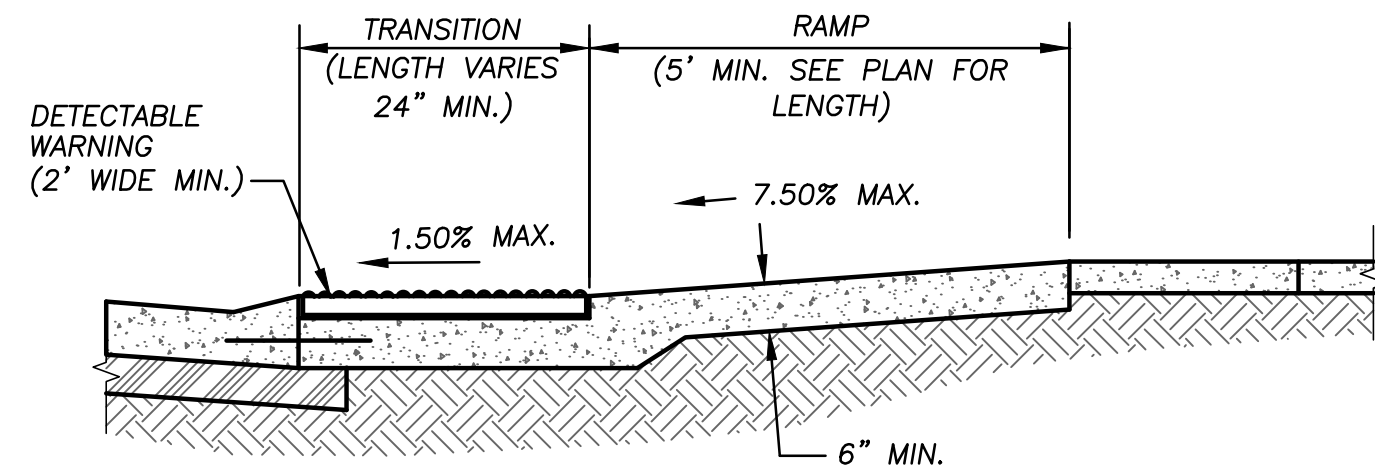
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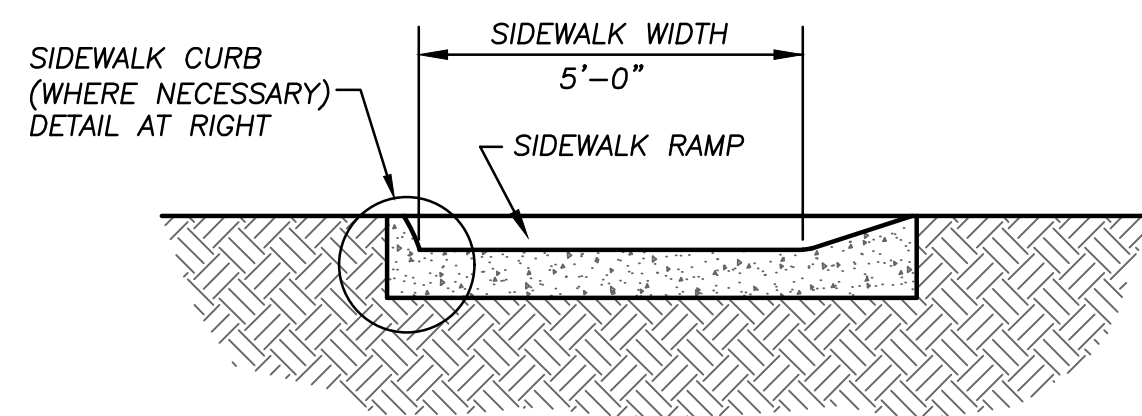
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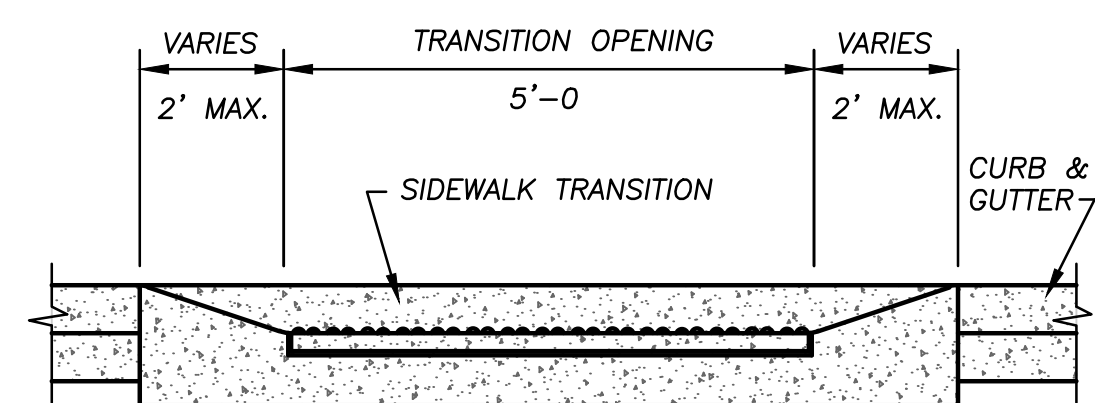
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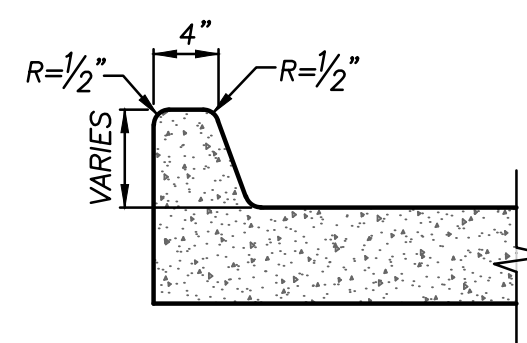
SECTION A-A



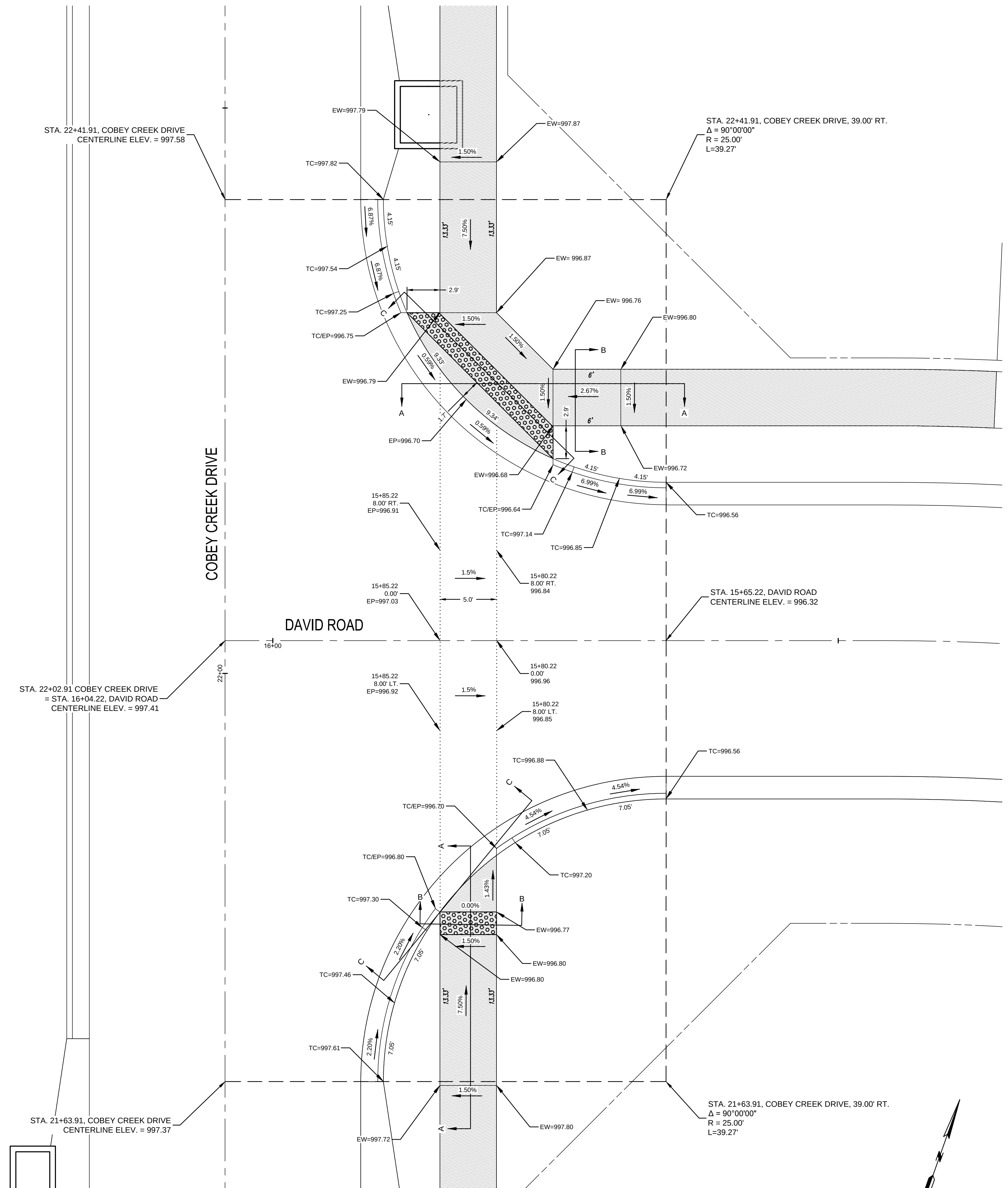
SECTION B-B



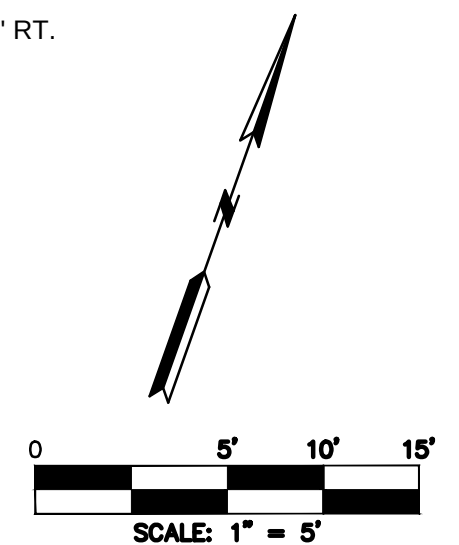
SECTION C-C



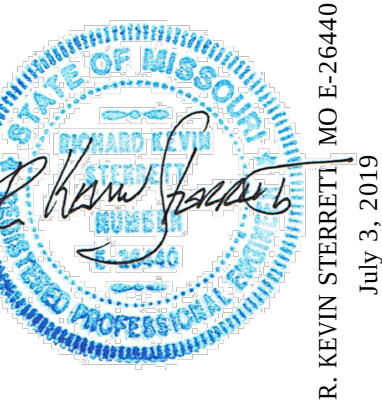
SIDEWALK CURB



COBEY CREEK DRIVE AND DAVID ROAD
INTERSECTION DETAIL



NO.	BY	DATE	REVISION	DATE	REVISION
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PHASE I
COBEY CREEK FIRST PLAT

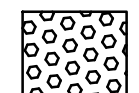
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23 SHEET OF 53

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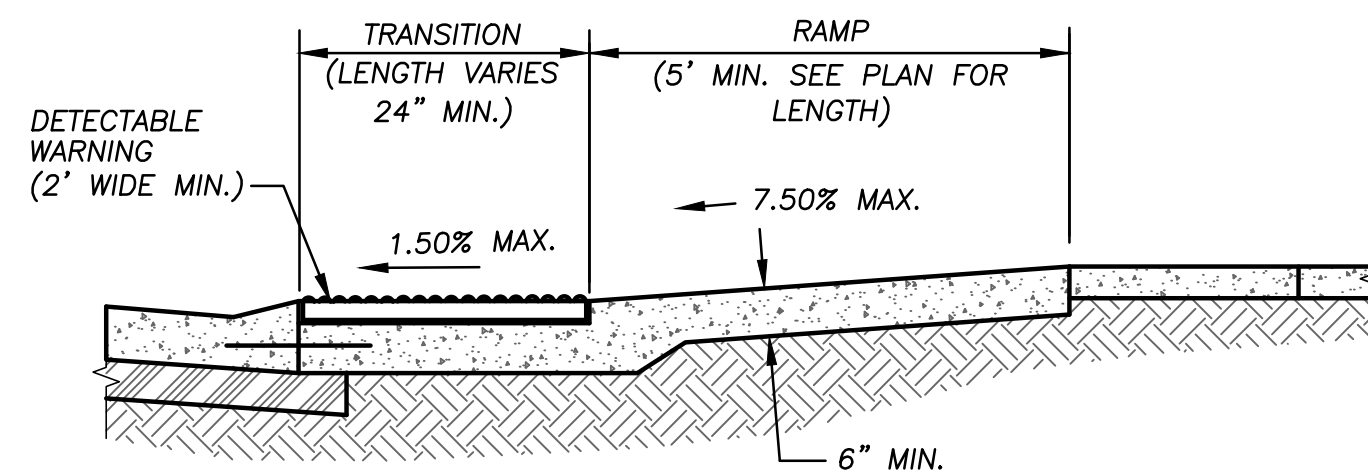
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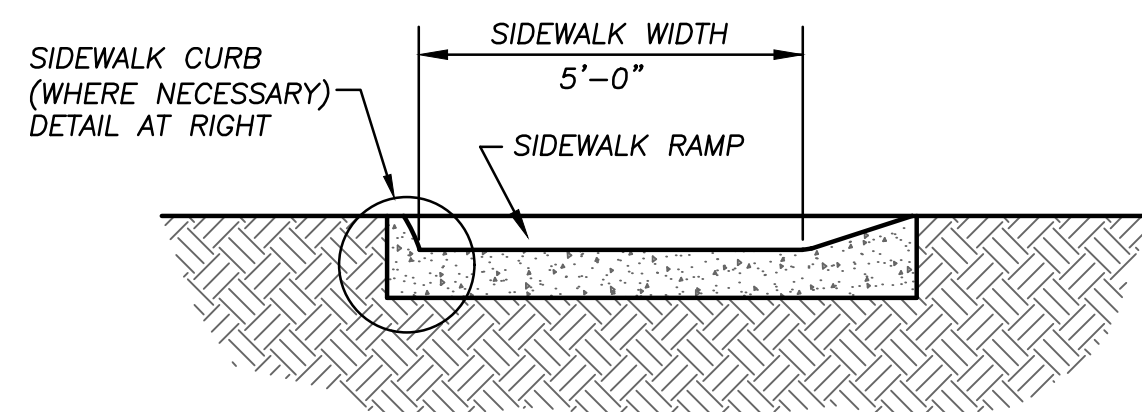
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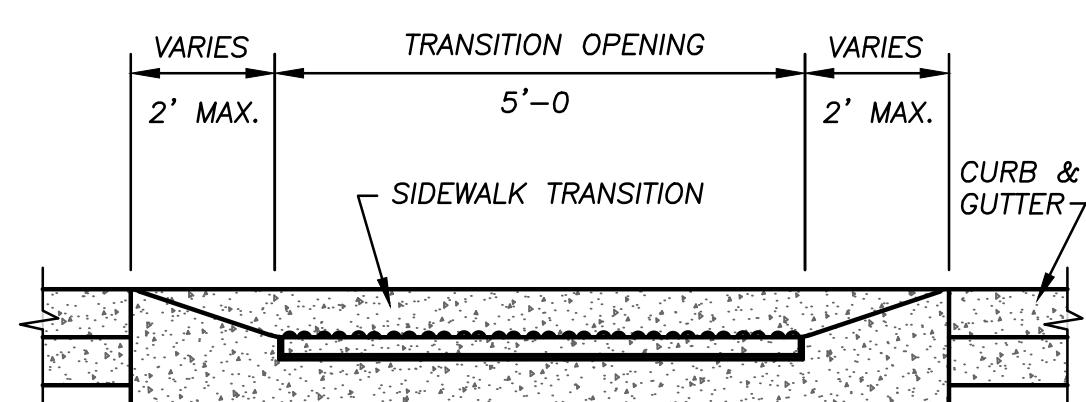
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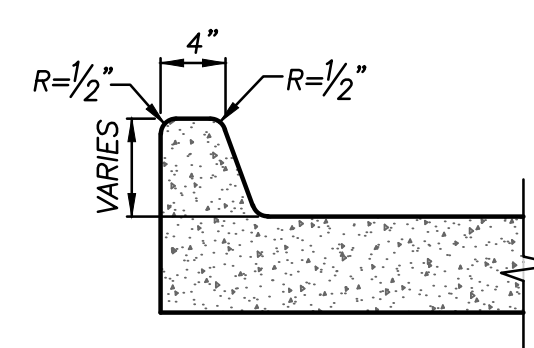
SECTION A-A



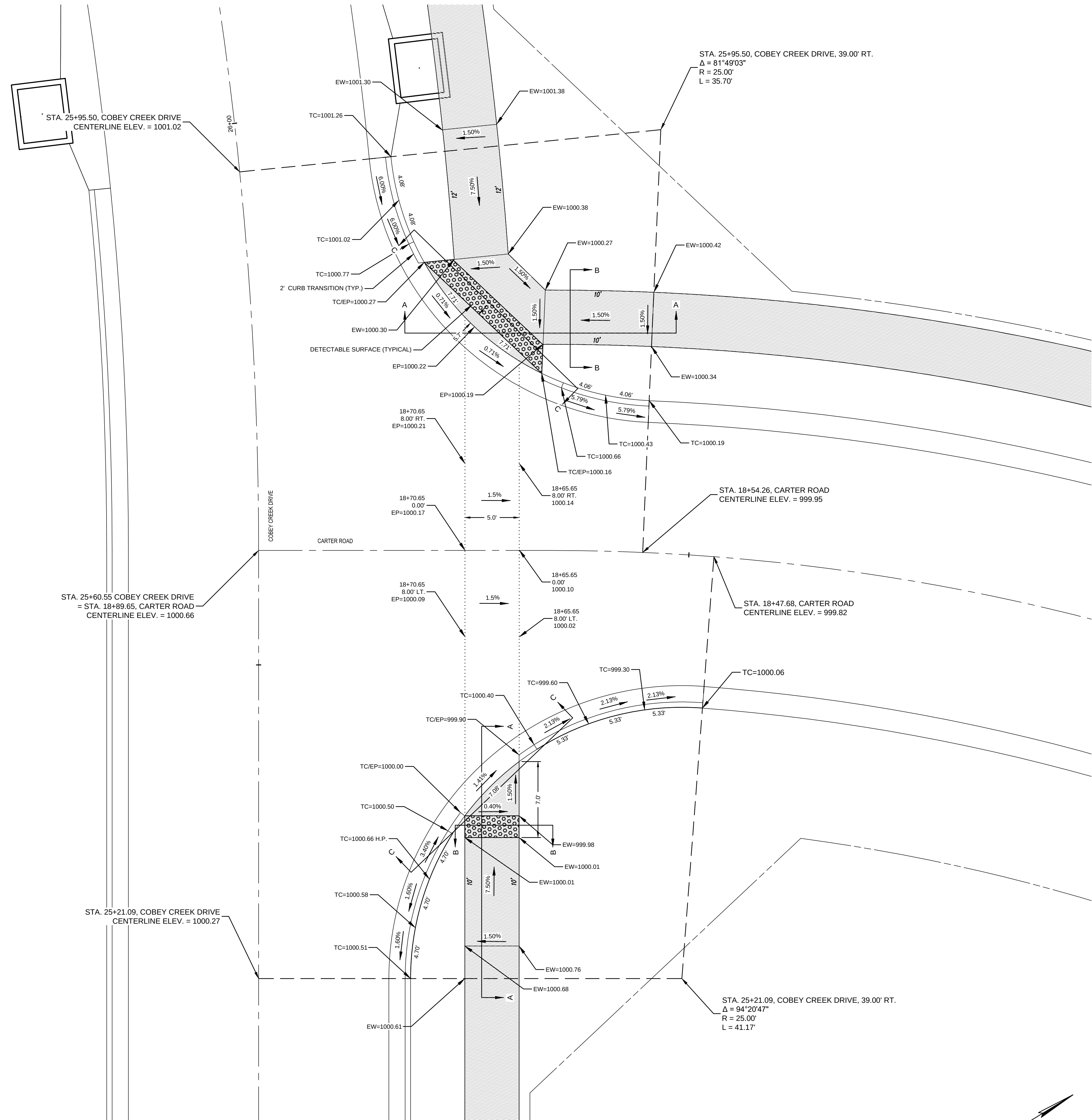
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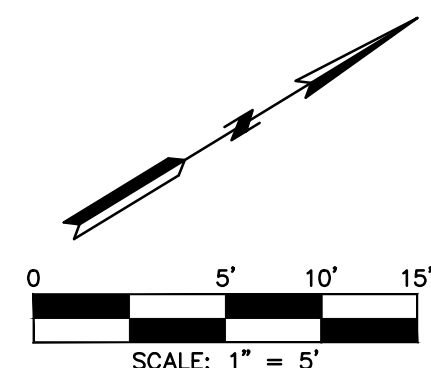
SECTION C-C



SIDEWALK CURB



COBEY CREEK DRIVE AND CARTER ROAD
INTERSECTION DETAIL
SCALE: 1" = 5'



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R. KEVIN STERRETT, JACKSON COUNTY, MISSOURI
PHASE I
COBEY CREEK FIRST PLAT

STREET AND STORM SEWER PLANS
INTERSECTION AND ADA RAMP DETAILS
COBEY CREEK DRIVE AND CARTER ROAD
COBEY CREEK FIRST PLAT
PHASE I
CITY OF LEES SUMMIT, JACKSON COUNTY, MISSOURI

X-REF NO.
16-059 Base Phase I
DRAWING NO.
16-059 Phase I Street Plans
DATE
July 30, 2019
JOB NO.
16-059

24 OF 53

EW = EDGE OF WALK
TC = TOP OF CURB
EP = EDGE OF PAVEMENT
TC / EW = TOP OF CURB = EDGE OF WALK
TC / EP = TOP OF CURB = EDGE OF PAVEMENT
H.P. = HIGH POINT

 = DETECTABLE SURFACE

 = PROPOSED 5' WIDE CONCRETE
SIDEWALK TO BE BUILT WITH PHASE I
STREET CONSTRUCTION

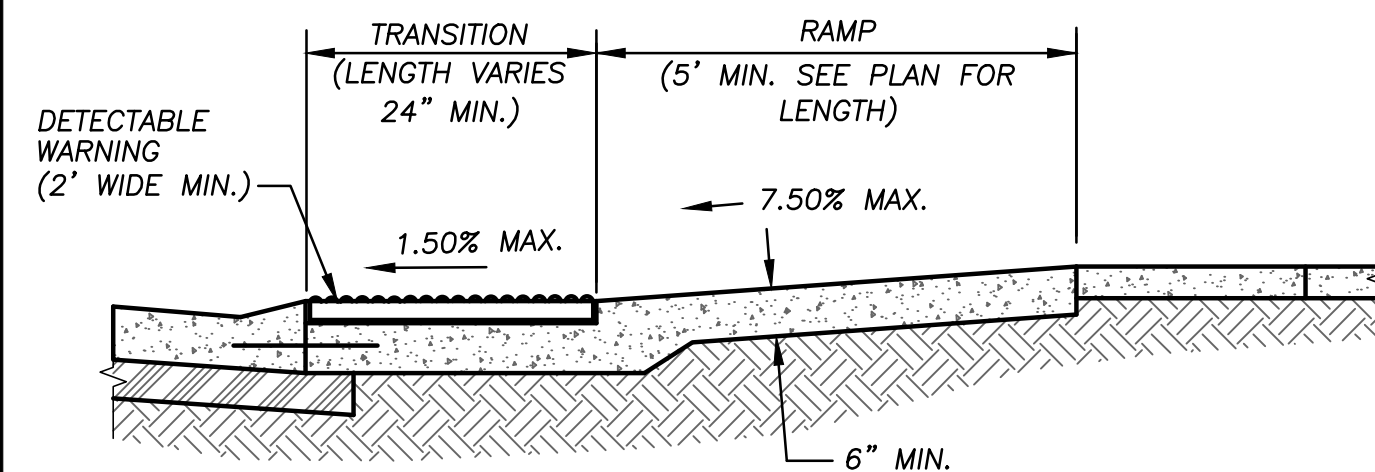
TABLE LS-5: ACCESSIBLE ROUTE DESIGN CRITERIA

	Design Slopes	PROW Max Allowed Slope*	Minimum Width
Turning Space	1.5% all directions	2.0% all	5 ft. x 5 ft.
Ramp Running Grade	Less than 7.5%	8.33%	5 ft
Sidewalks: $\geq$ 3 ft. green space between sidewalk and curb	1.5% cross slope Running slope no greater than street profile grade	2.0% cross slope	5 feet
Sidewalks: <u>abutted to back of curb</u>	1.5% cross slope Running slope match street profile grade	2.0% cross slope	6 feet

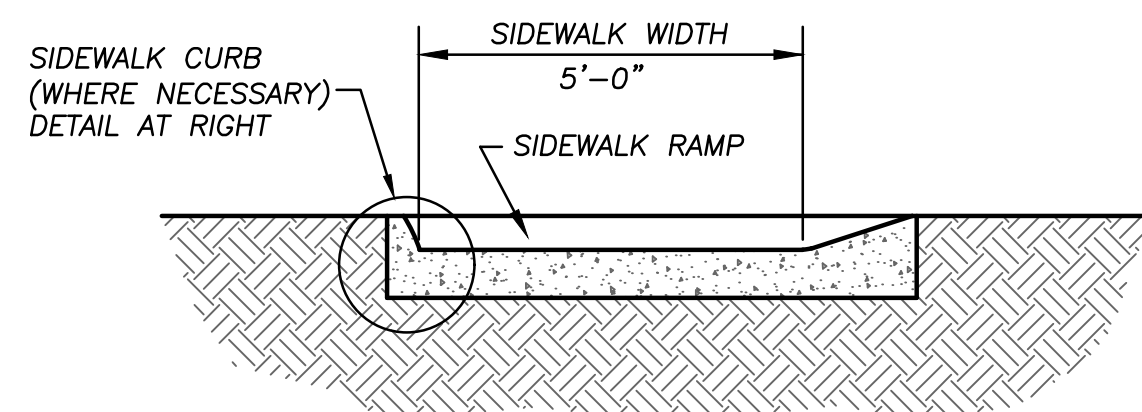
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Type of Route	PCC ⁽⁵⁾ Thickness	Agg Base Thickness	Comments
Sidewalk ⁽¹⁾	4"	4"	Transverse joints shall be spaced to match width of sidewalk; Joints may be tooled or sawn.
Shared Use Path ⁽²⁾	6"	4"	Transverse joints shall be spaced to match width of trail, but not greater than 12 ft.; joints shall be sawn.
ADA Ramp	6"	4"	

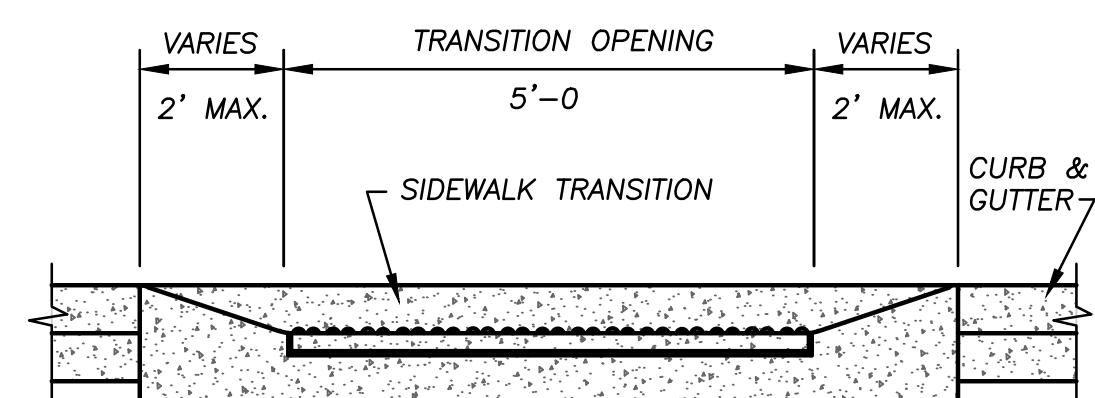
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- (2) Minimum width of paths shall be 10 feet
- (3) Accessible routes shall be paved using KCMMB 4k concrete



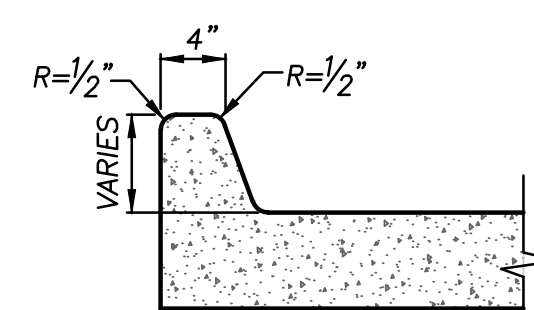
SECTION A-A



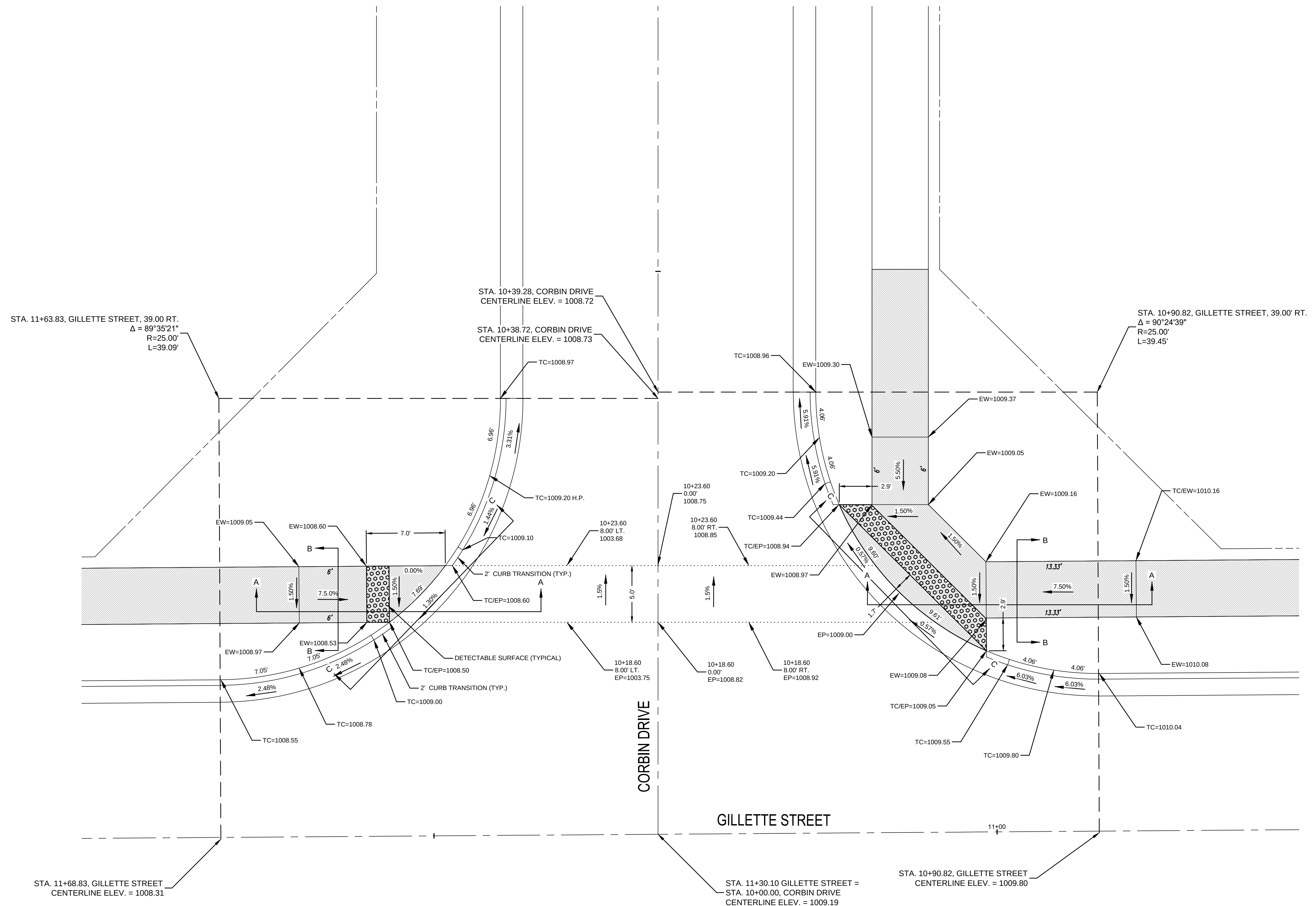
SECTION B-B



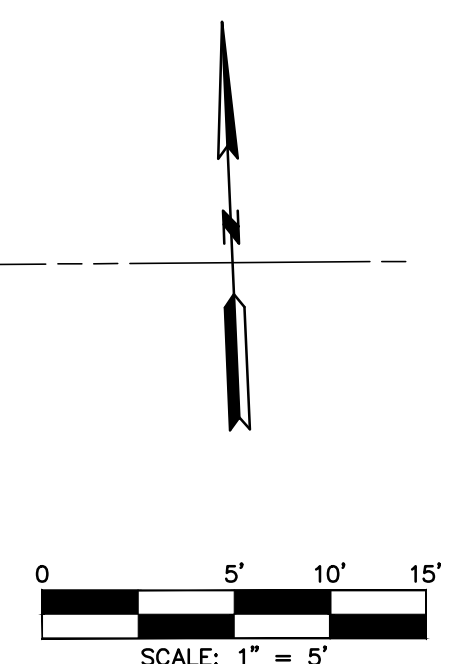
SECTION C-C



SIDEWALK CURB



GILLETTE STREET AND CORBIN DRIVE
INTERSECTION DETAIL

[illegible]

July 3, 2019

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111010 Haskell Street, Suite 210, Kansas City, Kansas 66109
CORPORATE LICENSE NO. E201000573 (MO.) / E-1736 (KS.)

STREET AND STORM SEWER PLANS
INTERSECTION AND ADA RAMP DETAILS
GILLETTE STREET AND CORBIN DRIVE
COBEY CREEK FIRST PLAT
PHASE I
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25 SHEET OF 53

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H.P. = HIGH POINT



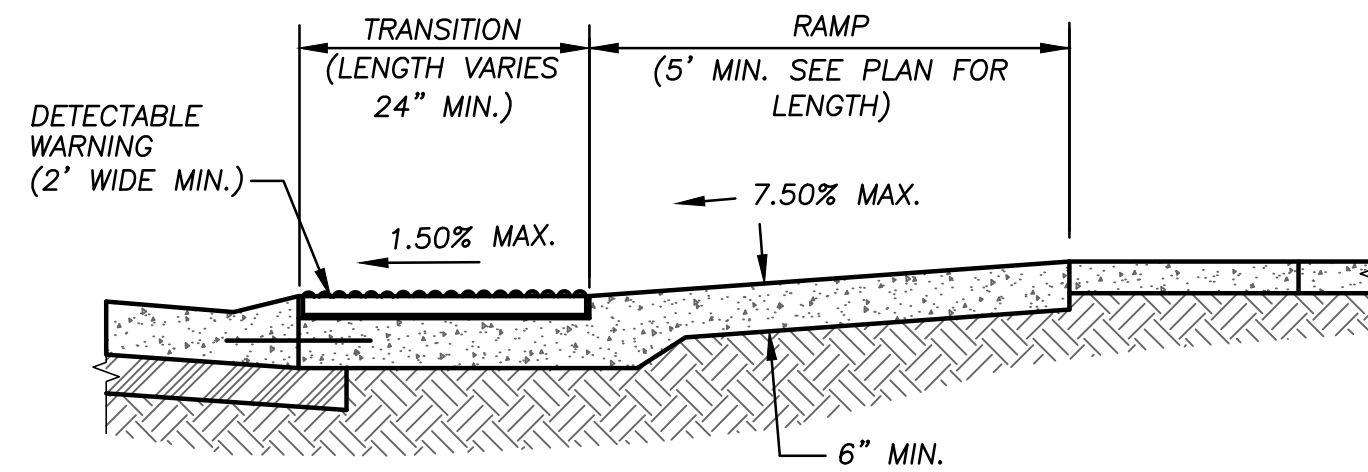
 = DETECTABLE SURFACE

 = PROPOSED 5' WIDE CONCRETE
SIDEWALK TO BE BUILT WITH PHASE I
STREET CONSTRUCTION

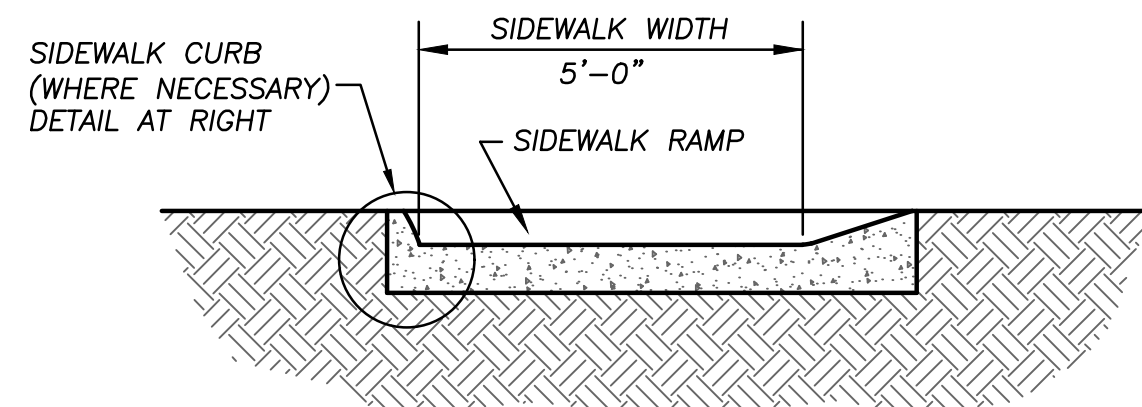
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Turning Space	1.5% all directions	2.0% all	5 ft. x 5 ft.
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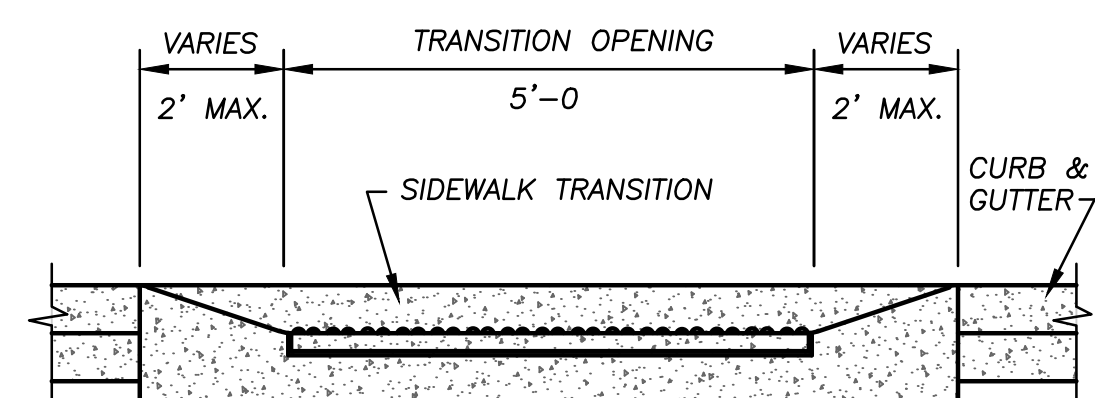
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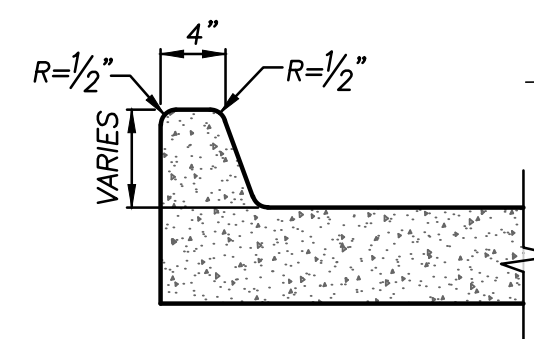
SECTION A-A



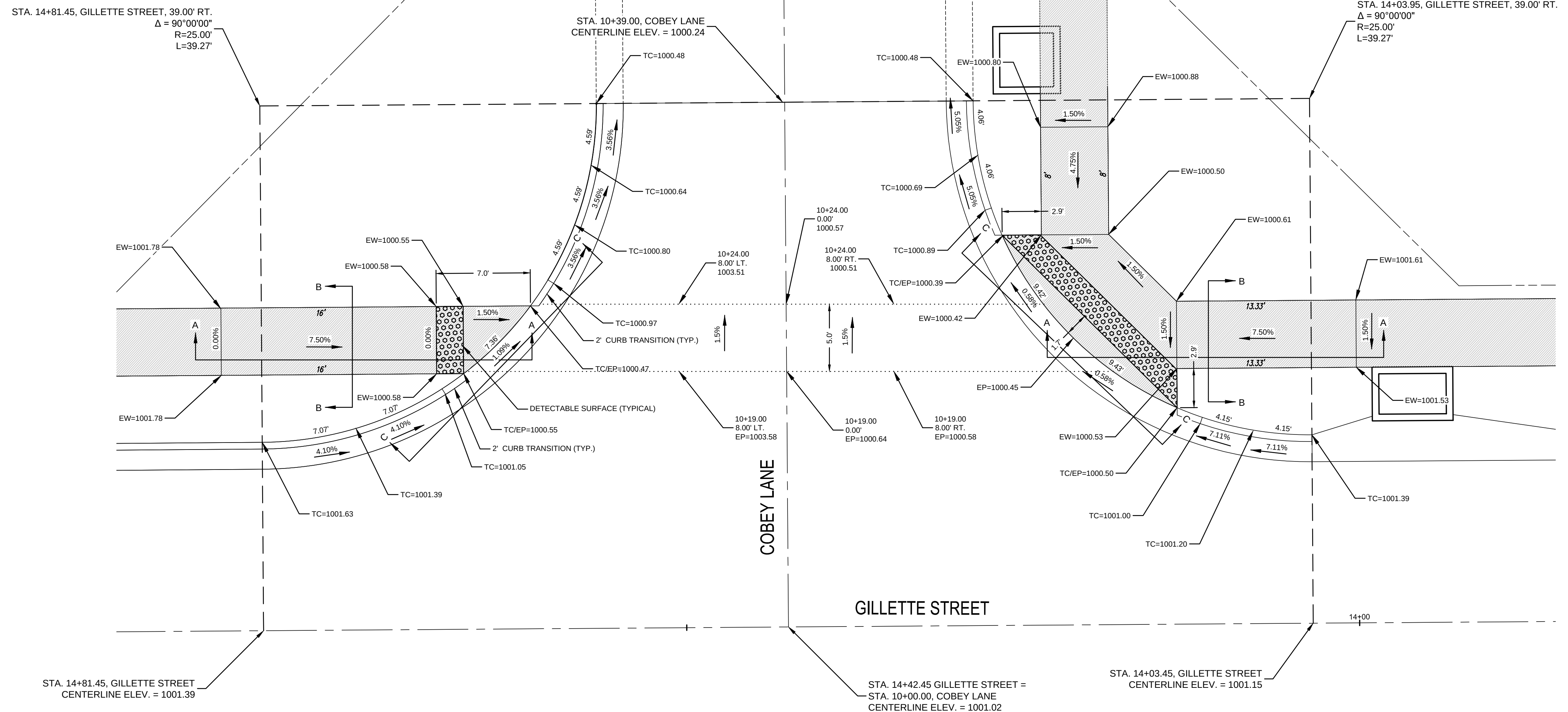
SECTION B-B



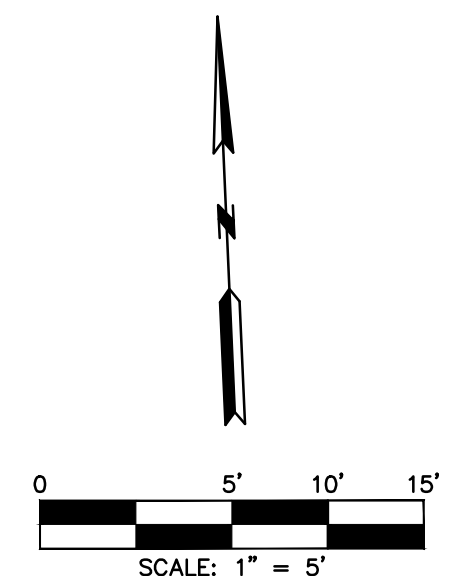
SECTION C-C



SIDEWALK CURE

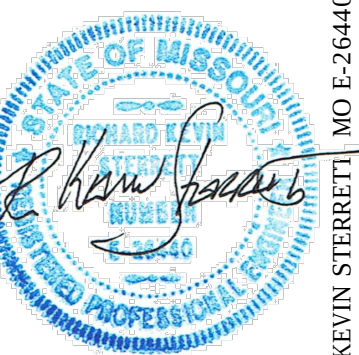


GILLETTE STREET AND COBEY LANE
INTERSECTION DETAIL



DATE	DESCRIPTION	DEB	CRED	AMOUNT
07/25/79	PER DTTS COMMENTS	DEB	6	504
07/25/79	PER DTTS COMMENTS	DEB	5	505
07/25/79	PER DTTS COMMENTS	DEB	4	506
07/25/79	PER DTTS COMMENTS	DEB	3	507
07/25/79	PER DTTS COMMENTS	DEB	2	508
07/25/79	PER DTTS COMMENTS	DEB	1	509
07/25/79	GENERAL TO DTTS LESS SUMMARY	DEB		510

IF THIS IS NOT A BULK COPY, THE SIGNATURE IN BULK INK, THE PLAIN INK, AND ANY CONTINUING UNAUTHORIZED ALTERATIONS, THE CERTIFICATION CONTAINED ON THIS DOCUMENT SHALL NOT APPLY TO ANY COPIES



July 3, 2019

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Inc **engineers**
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11010 Haskell Street, Suite 210, Kansas City, Kansas 66109

STREET AND STORM SEWER PLANS
INTERSECTION AND ADA RAMP DETAILS
GILLETTE STREET AND COBEY LANE
COBEY CREEK FIRST PLAT
PHASE I
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26 SHEET OF 53

LEGEND

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EP = EDGE OF PAVEMENT
TC / EW = TOP OF CURB = EDGE OF WALK
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 = PROPOSED 5' WIDE CONCRETE SIDEWALK TO BE BUILT WITH PHASE I STREET CONSTRUCTION

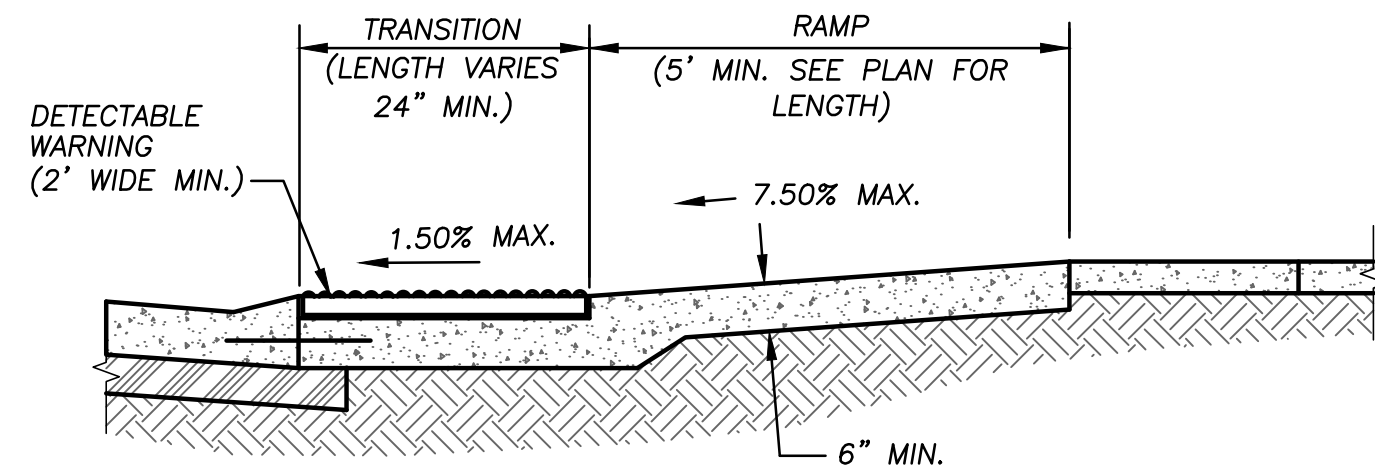
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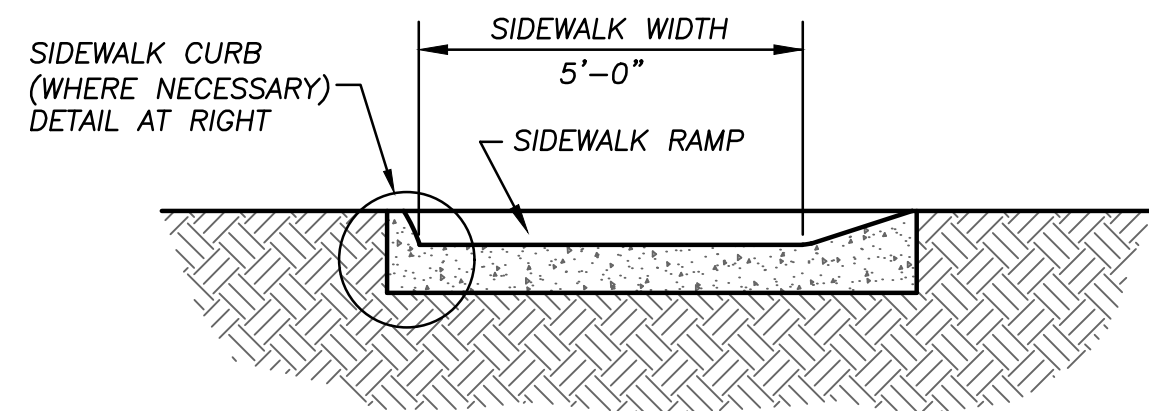
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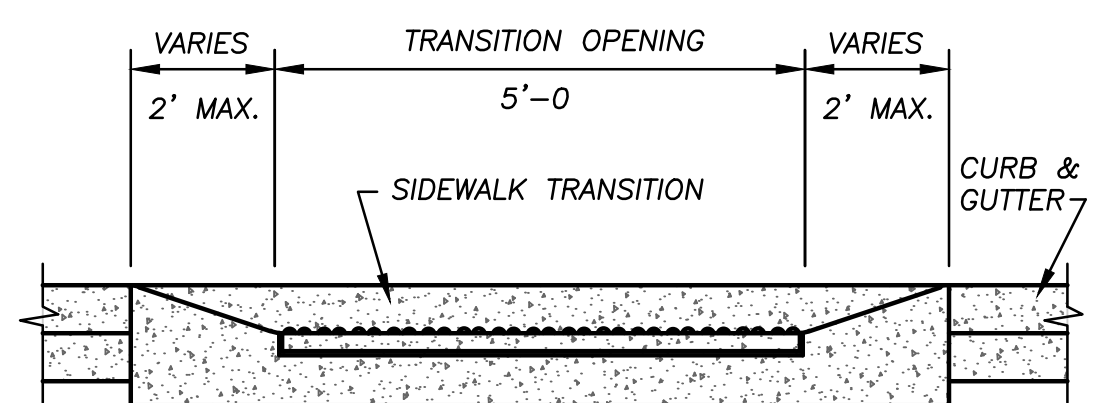
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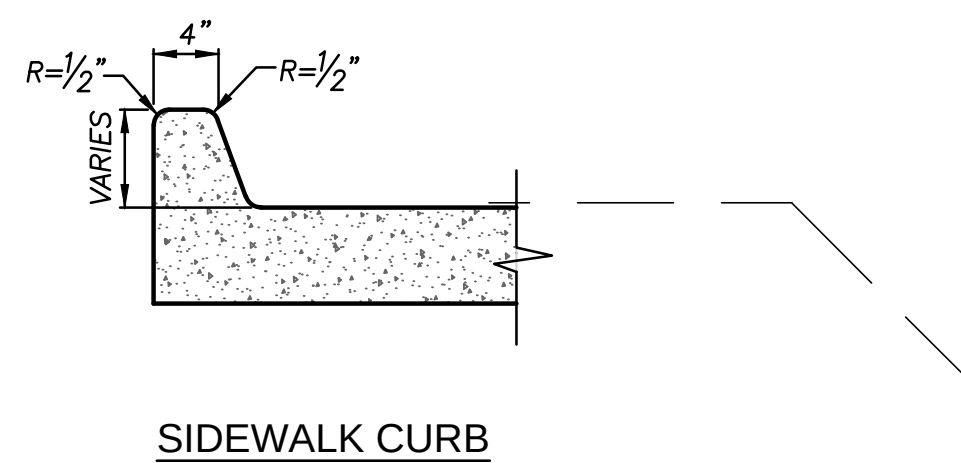
SECTION A-A



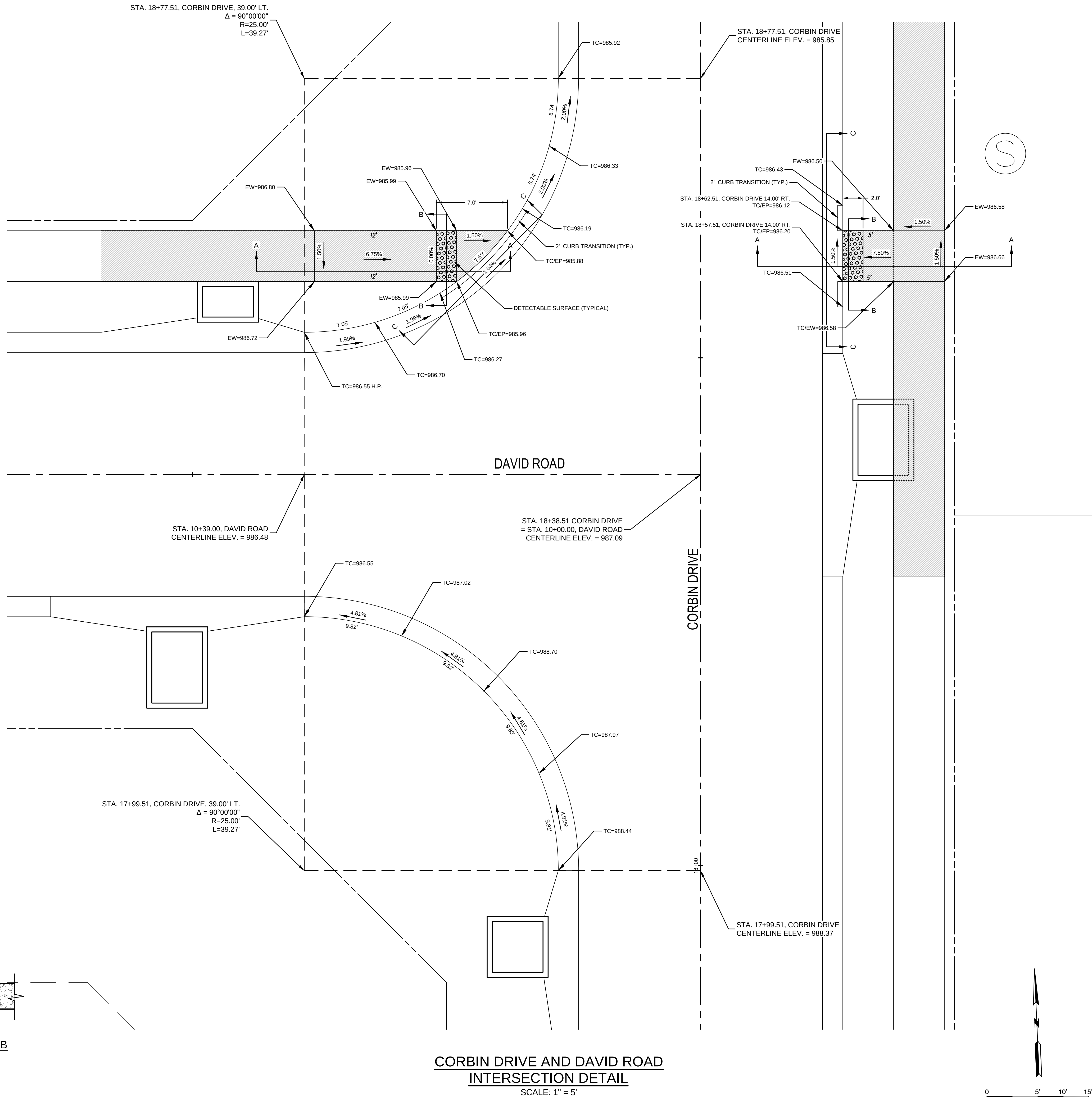
SECTION B-B



SECTION C-C



SIDEWALK CURB



CORBIN DRIVE AND DAVID ROAD
INTERSECTION DETAIL
SCALE: 1" = 5'

NO.	BY	DATE	REVISION	DESCRIPTION
6	SPW	07/30/19	PER CITY'S COMMENTS	
5	SPW	07/30/19	PER CITY'S COMMENTS	
4	SPW	04/23/19	PER CITY'S COMMENTS	
3	SPW	04/16/19	PER CITY'S COMMENTS	
2	SPW	03/27/19	PER CITY'S COMMENTS	
1	SPW	11/27/18	SUBMITTAL TO CITY OF LEES SUMMIT	



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COBEY CREEK FIRST PLAT
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27 SHEET OF 53

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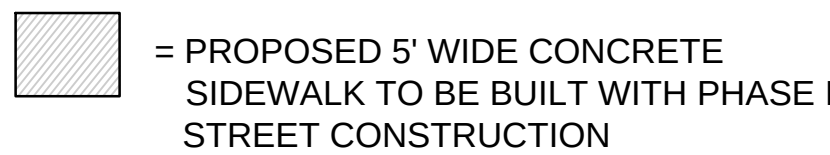


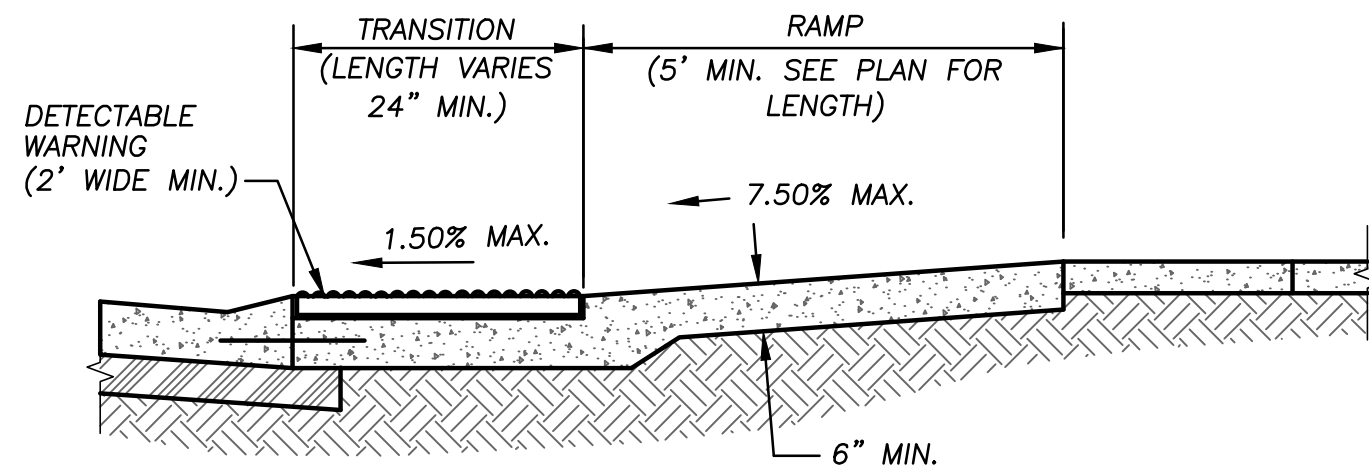
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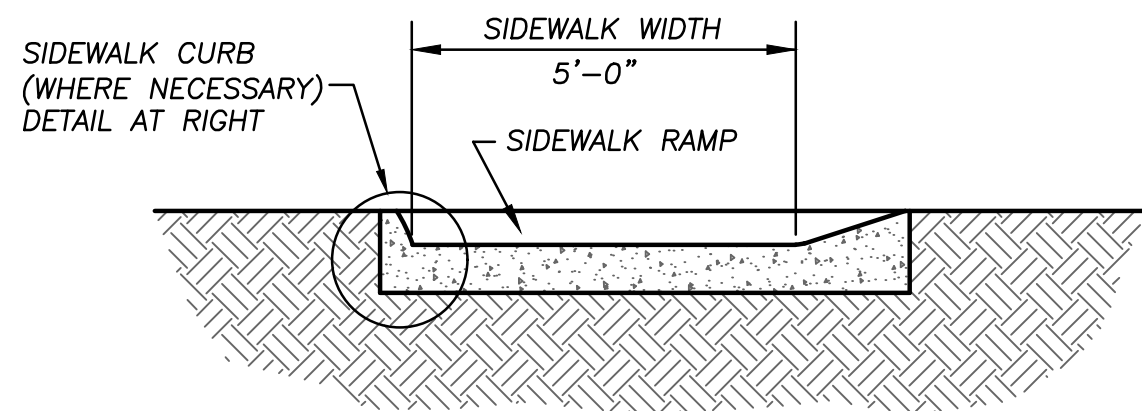
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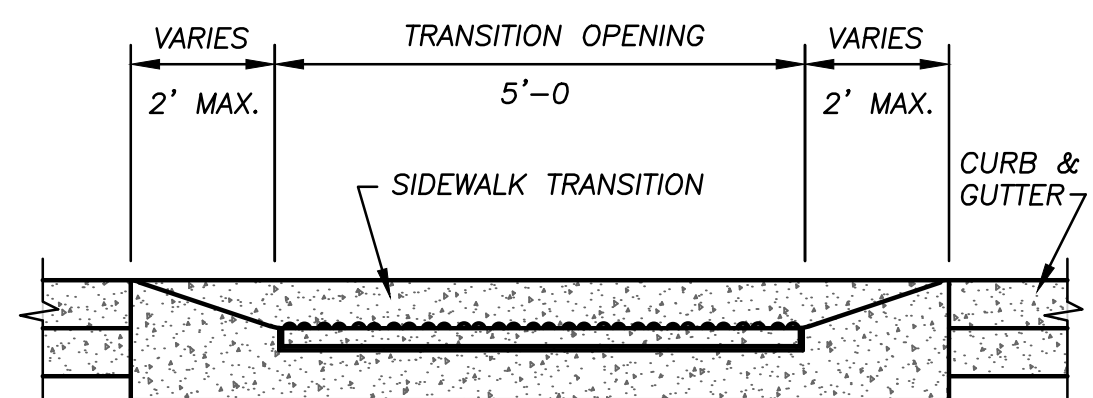
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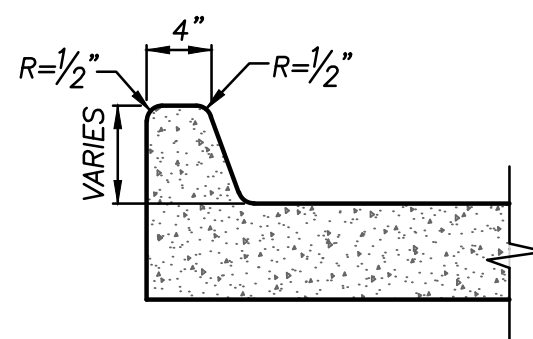
SECTION A-A



SECTION B-B



SECTION C-C



SIDEWALK CURB

STA. 13+57.08, DAVID ROAD, 39.00' LT.
 $\Delta = 89^\circ 35' 21''$
R=25.00'
L=39.09'

STA. 13+57.08, DAVID ROAD
CENTERLINE ELEV. = 990.75

STA. 18+02.05, COBEY LANE
CENTERLINE ELEV. = 989.31

DAVID ROAD AND COBEY LANE
INTERSECTION DETAIL

SCALE: 1" = 5'

STA. 18+40.77, COBEY LANE
= STA. 13+18.36 DAVID ROAD
CENTERLINE ELEV. = 989.92

DAVID ROAD

COBEY LANE

STA. 12+99.46, DAVID ROAD 14.00' RT.
TC/EP=989.29

TC=989.74

TC=986.66

TC/EW=989.66

TC=989.60

TC=989.52

STA. 12+94.46, DAVID ROAD 14.00' RT.
TC/EP=989.21

TC=989.58

TC=989.70 H.P.

TC/EP=989.39

TC=989.48

TC=989.25

TC=989.31

TC=989.62

TC=989.50

TC=989.38

STA. 18+01.49, COBEY LANE
CENTERLINE ELEV. = 989.31

TC=989.72

TC/EW=989.80

STA. 12+79.08, DAVID ROAD, 39.00' LT.
 $\Delta = 90^\circ 24' 39''$
R=25.00'
L=39.45'

EW=989.34

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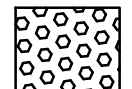
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STREET CONSTRUCTION

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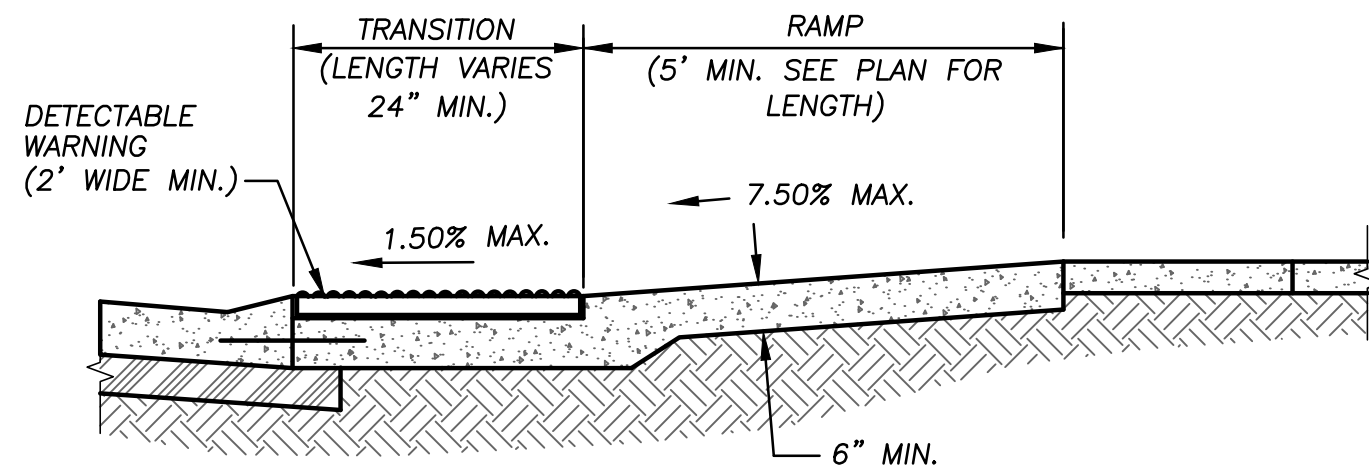
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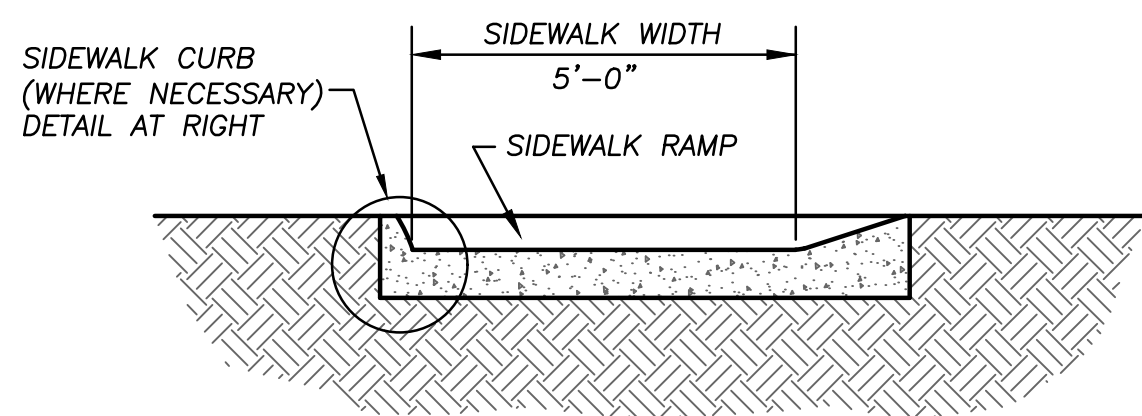
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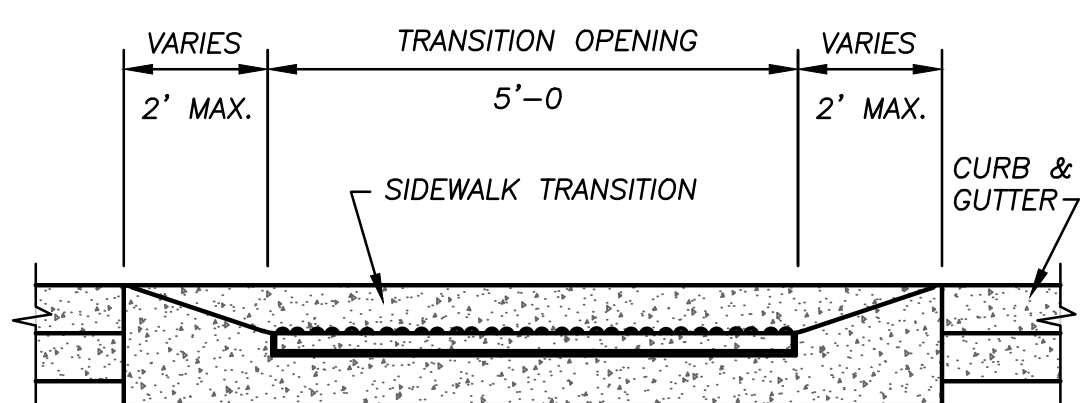
(3) Accessible routes shall be paved using KCMMB 4k concrete



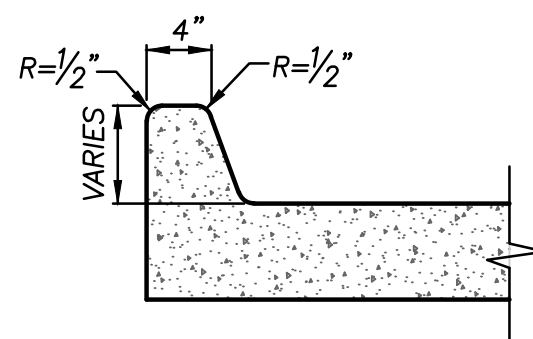
SECTION A-A



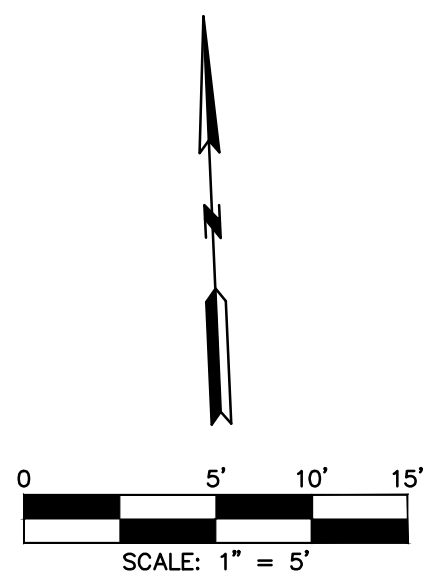
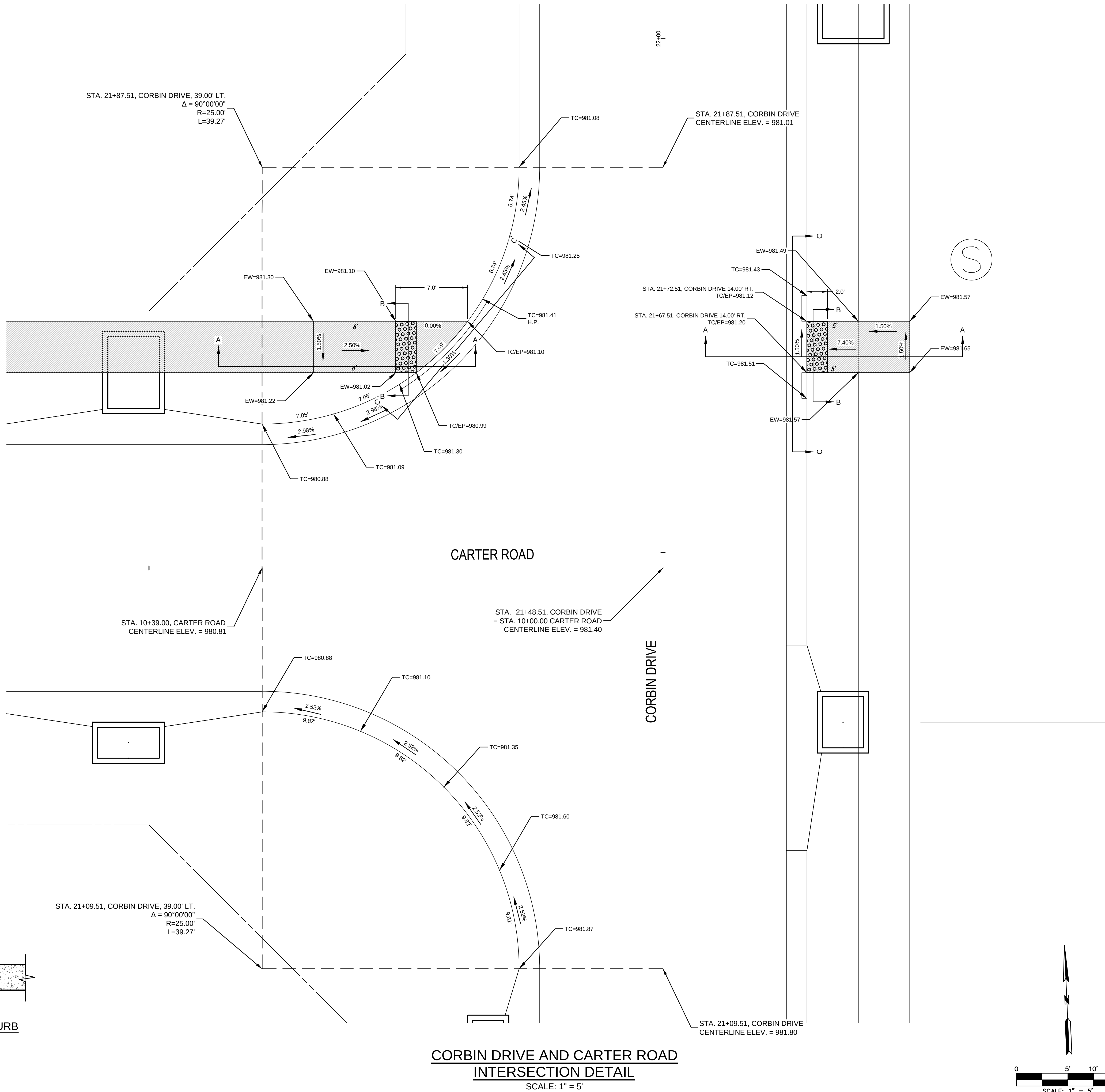
SECTION B-B



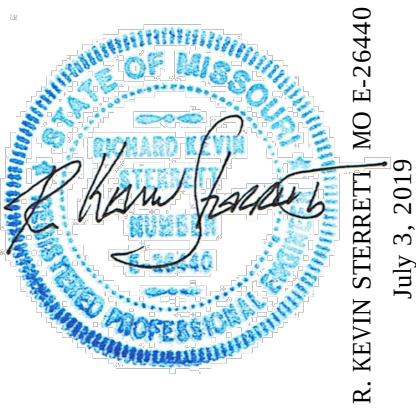
SECTION C-C



SIDEWALK CURB



DATE	REVISION	NO.	BY	CORP.
07/30/19	PER CITY'S COMMENTS	6	SPW	RAS
07/02/19	PER CITY'S COMMENTS	5	SPW	RAS
04/23/19	PER CITY'S COMMENTS	4	SPW	RAS
04/16/19	PER CITY'S COMMENTS	3	SPW	RAS
03/27/19	PER CITY'S COMMENTS	2	SPW	RAS
03/08/19	PER CITY'S COMMENTS	1	SPW	RAS
11/21/18	SUBMITTAL TO CITY OF LEES SUMMIT			



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STREET AND STORM SEWER PLANS
INTERSECTION AND ADA RAMP DETAILS
CORBIN DRIVE AND CARTER ROAD
COBEY CREEK FIRST PLAT
PHASE I
CITY OF LEES SUMMIT, JACKSON COUNTY, MISSOURI

X-REF NO. 16-059 Base Phase I	29	53
DRAWING NO. 16-059 Phase I Street Plans		
DATE July 30, 2019		
JOB NO. 16-059		
SHEET OF		

SEE STORM SEWER PLAN SHEETS 10 & 15 FOR RIPRAP INFORMATION.

FLARED END SECTION DET3B
N. 979586.44 E. 2828222.25
W/ STANDARD CONCRETE TOEWALL

FLARED END SECTION DET2E
N. 97952.93 E. 2828231.99
W/ STANDARD CONCRETE TOEWALL

NOTE:
THE 100 YEAR WATER SURFACE ELEVATION WITH CLOGGED OUTLET STRUCTURE = 977.49.

48" DIA. ADS HP MANHOLE WITH 30" GRATE DET2B
N. 980352.98 E. 2828263.34

4'x 14' CONCRETE OUTLET STRUCTURE DET1B
N. 980389.78 E. 2828248.55

2 - 48" END SECTIONS DET1A
N. 980416.30 E. 2828345.36

INSTALL 44.4 C.Y. (24' WIDE X 25' LONG X 2' DEEP) STONE RIPRAP WITH MINIMUM 15" STONE AND ADDITIONAL ENERGY DISSIPATORS. PLACE FILTER FABRIC PRIOR TO INSTALLATION OF RIPRAP.

100 YEAR WATER SURFACE ELEVATION = 976.5

FLARED END SECTION DET2A
N. 980353.77 E. 2828245.35
W/ STANDARD CONCRETE TOEWALL

100 YEAR WATER SURFACE ELEVATION = 976.5

48" DIA. ADS HP MANHOLE WITH 30" GRATE DET2D
N. 979851.29 E. 2828247.37

48" DIA. ADS HP MANHOLE WITH 30" GRATE DET2C
N. 980102.14 E. 2828255.35

GRADE SWALE AS SHOWN, FROM END OF RIP RAP TO THE EXISTING SWALE. SWALE TO BE APPROXIMATELY 20' WIDE, 2' MAXIMUM DEPTH AND 3 TO 1 SIDE SLOPES. GRADING IS LIMITED TO THE SOUTH SIDE OF THE PROPERTY LINE.

EMERGENCY SPILLWAY = 165' LONG
ELEV. = 977.00

48" DIA. ADS HP MANHOLE WITH 30" GRATE DET3A
N. 979585.77 E. 2828238.74

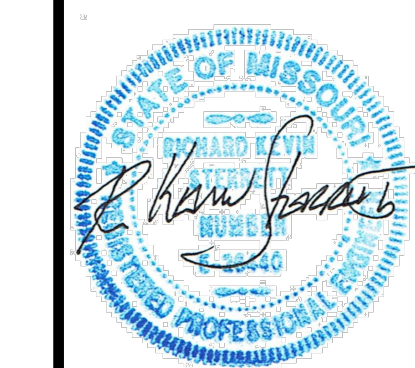
NOTE:

- AREAS TO RECEIVE FILL SHOULD BE STRIPPED OF VEGETATION, TOPSOIL, SOFT SOIL AND DELETERIOUS MATERIALS.
- THE EXPOSED SUBGRADE SHOULD BE PROOFROLLED WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK. SOFT AREAS THAT DEVELOP SHOULD BE OVEREXCAVATED AND BACKFILLED WITH COMPACTED CLAY SOIL OR THE AREA MOISTURE CONDITIONED, REWORKED AND COMPACTED.
- NON-ORGANIC, FINE-GRAINED CLAY SOIL SHOULD BE USED FOR FILL.
- SOIL FILL SHOULD BE PLACED IN UNIFORM 8-INCH THICK LIFTS.
- THE FILL SHOULD BE COMPACTED TO AT LEAST 95 PERCENT STANDARD PROCTOR (ASTM D698) MAXIMUM DRY DENSITY AT A MOISTURE CONTENT BETWEEN MINUS 1 TO PLUS 3 PERCENT OF THE OPTIMUM MOISTURE CONTENT.
- DELETERIOUS MATERIAL AND PIECES OF ROCK LARGER THAN 2 INCHES SHOULD NOT BE INCLUDED IN THE FILL.
- THE FILL SHOULD NOT BE PLACED ON SOFT MATERIALS OR FROZEN GROUND. FROZEN SOILS SHOULD NOT BE USED FOR FILL.

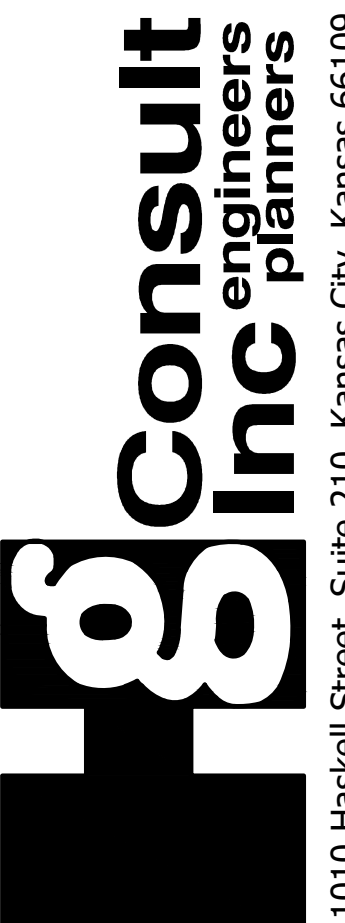
1"=10'



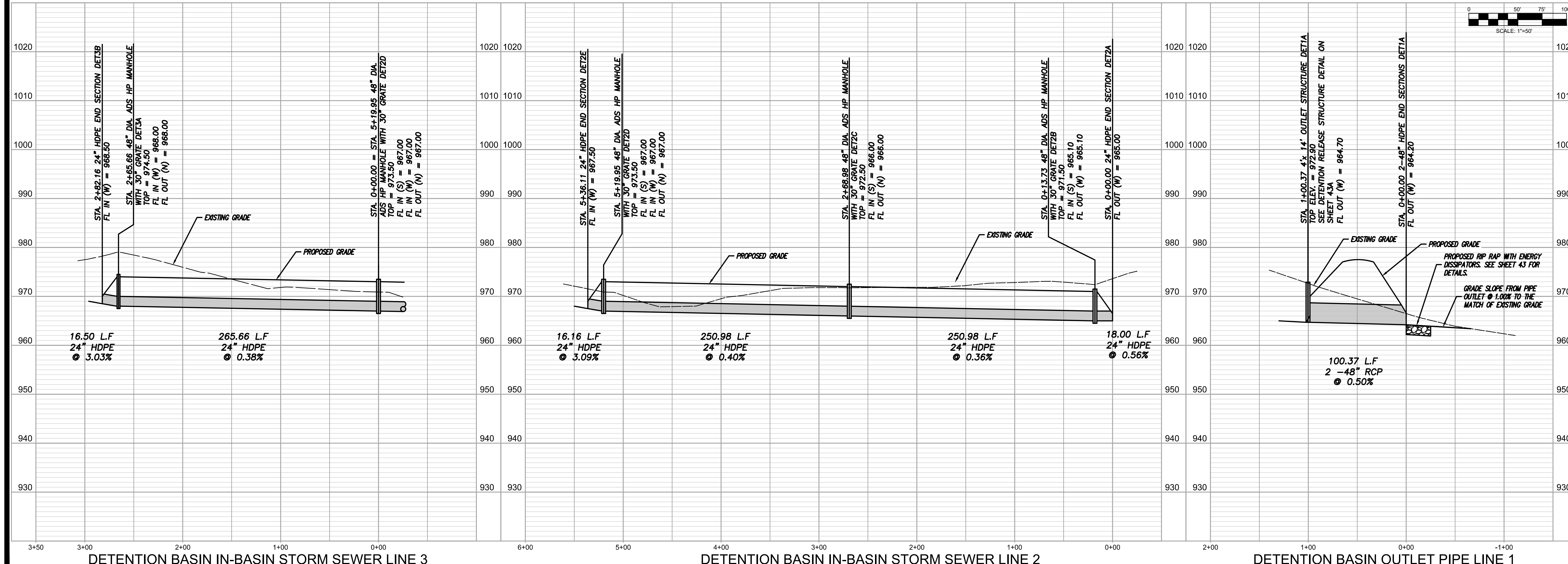
Know what's below.
Call before you dig.



R. KEVIN STERRETT, P.E.
JULY 21, 2020



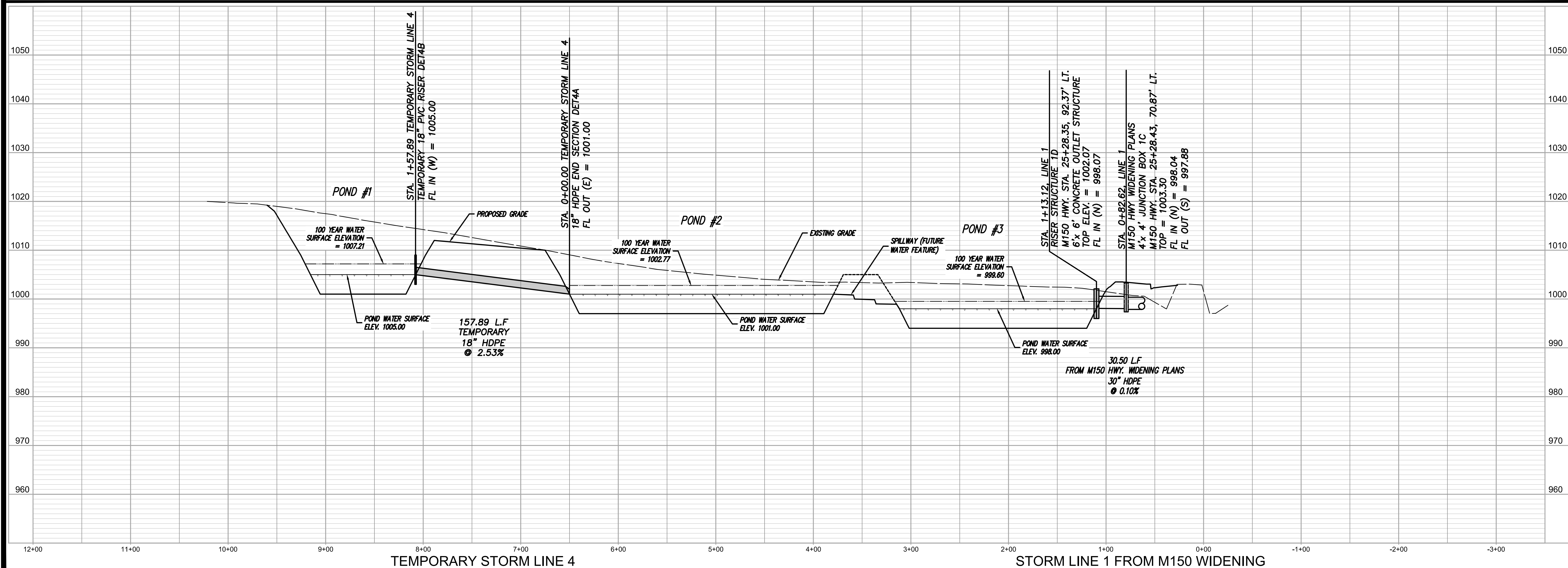
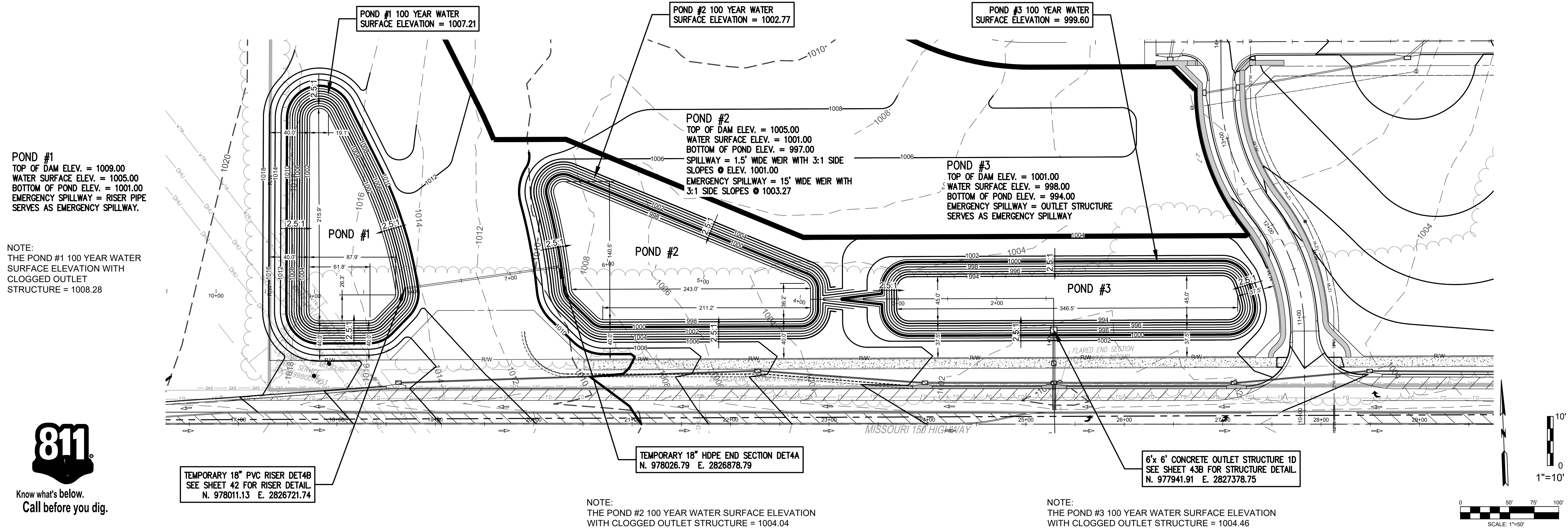
11010 Haskell Street, Suite 210, Kansas City, Kansas 66109
CORPORATE LICENSE NO. E201000373 (MO.) / E-1736 (KS.)

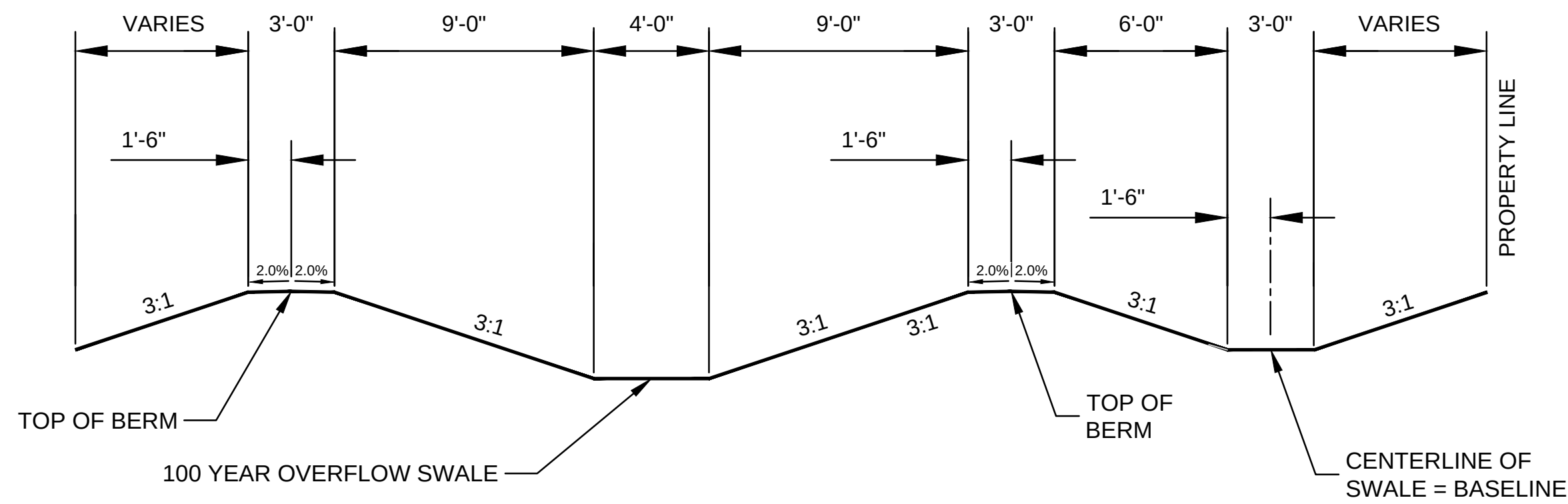


STREET AND STORM SEWER PLANS
NORTH DETENTION BASIN, IN-BASIN STORM
LINE AND OUTLET STRUCTURE
COBEY CREEK FIRST PLAT
PHASE I
CITY OF LEES SUMMIT, JACKSON COUNTY, MISSOURI

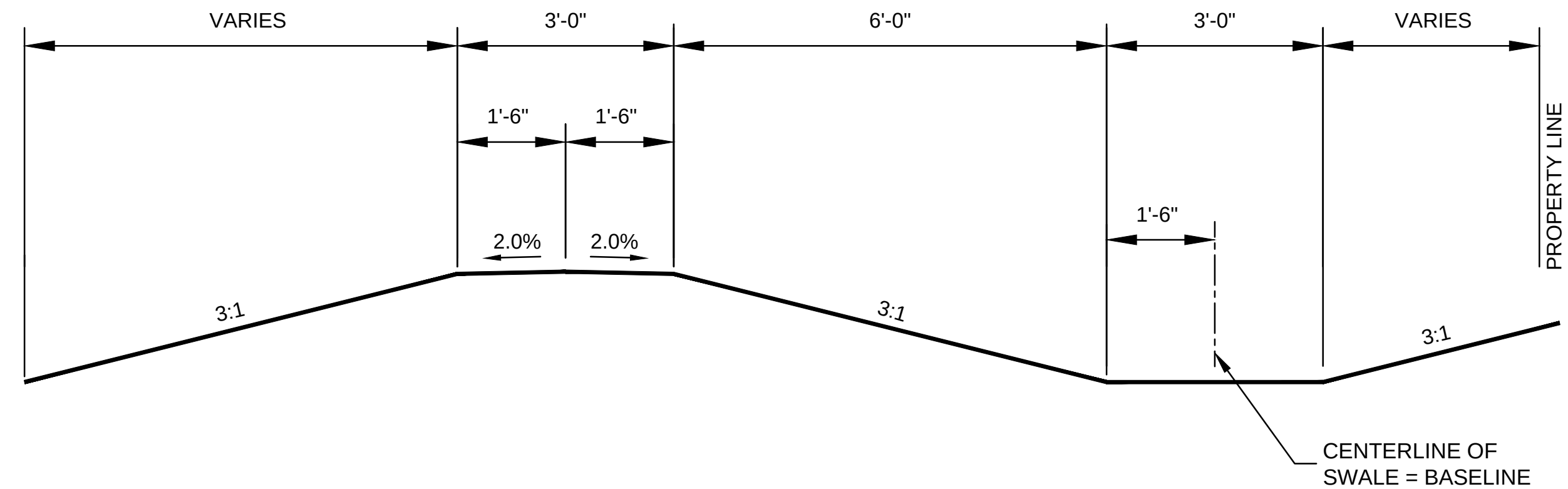
X-REF NO.
16-059 Base Phase I
DRAWING NO.
16-059 Phase I Street Plans
DATE
July 21, 2020
JOB NO.
16-059

30 SHEET OF 53

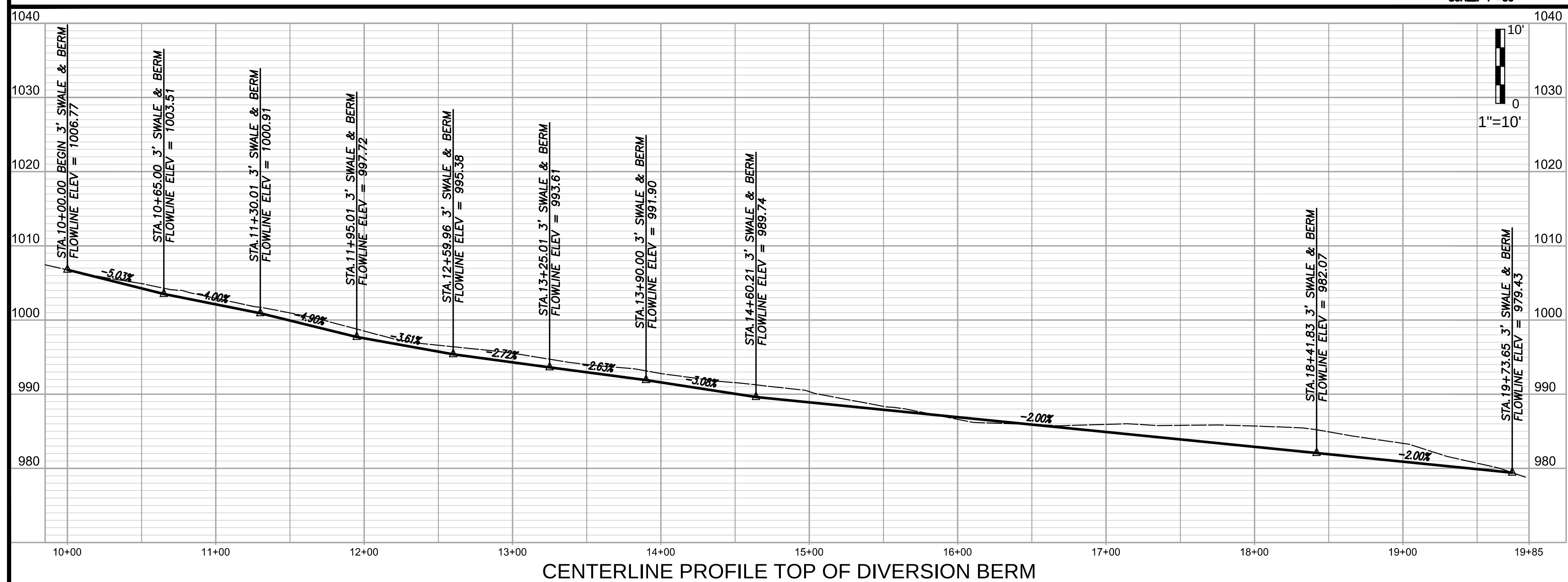
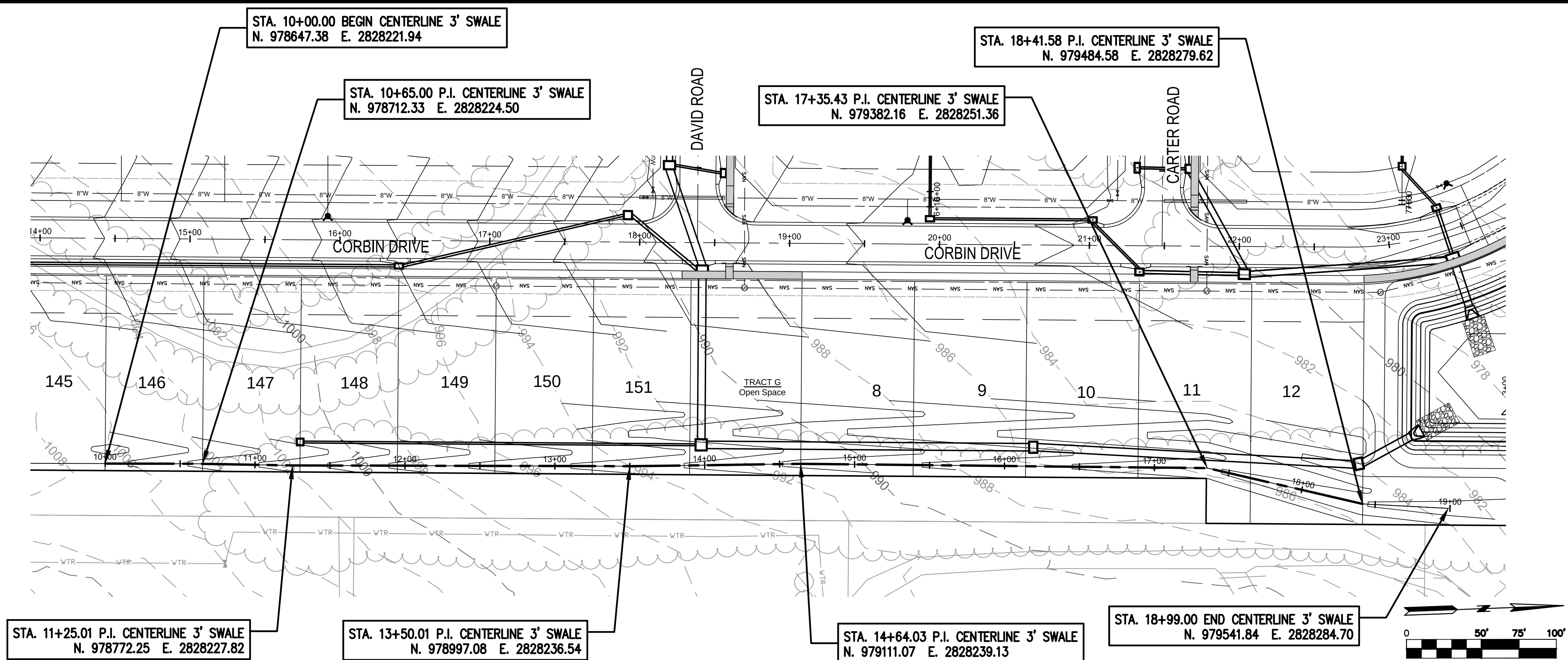
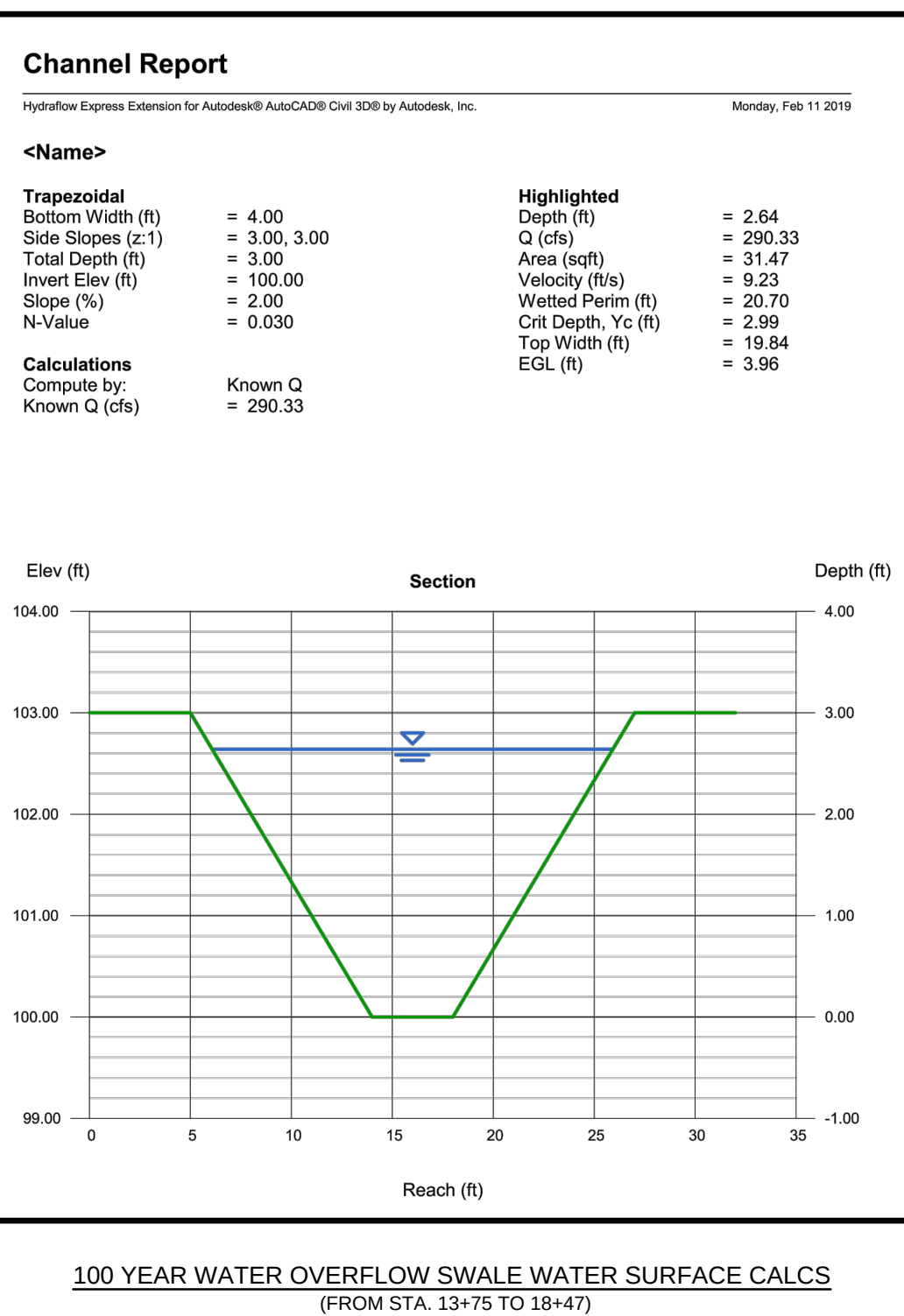
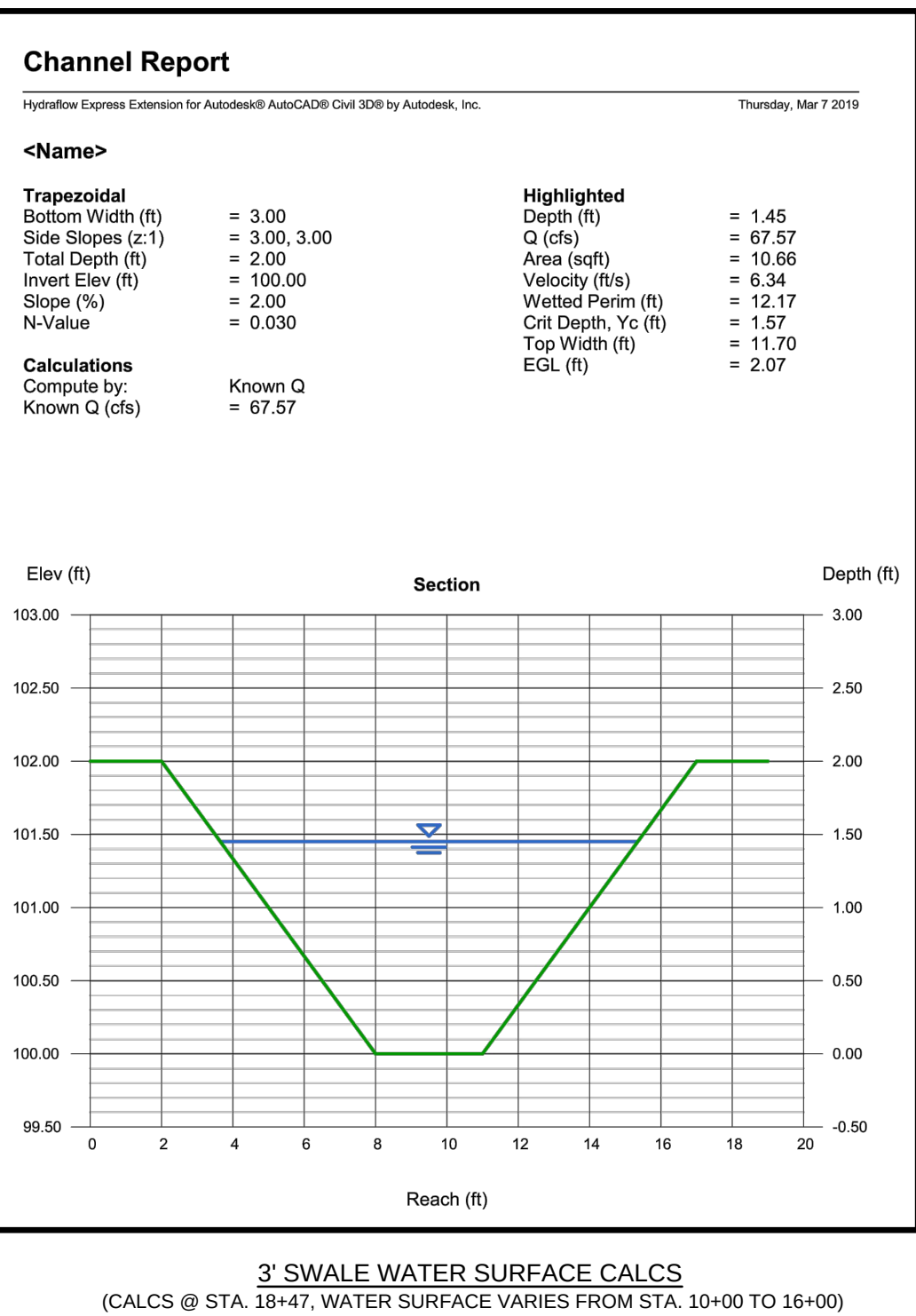
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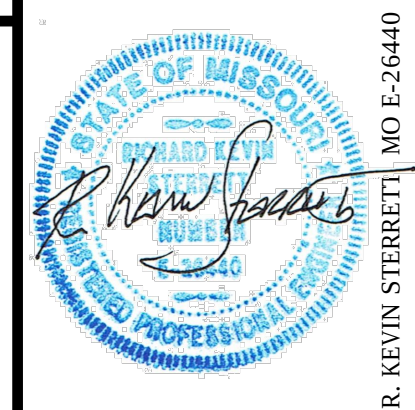
3' SWALE, DIVERSION BERM & 100 YEAR OVERFLOW SWALE
NOT TO SCALE
(FROM STA. 13+50 TO 18+47)



3' SWALE AND DIVERSION BERM
NOT TO SCALE
(FROM STA. 10+00 TO 13+50)



DATE	REVISION	NO.	BY	CHKD
07/20/19	PER CITY'S COMMENTS	6	SPW	RAS
07/23/19	PER CITY'S COMMENTS	5	SPW	RAS
04/23/19	PER CITY'S COMMENTS	4	SPW	RAS
04/16/19	PER CITY'S COMMENTS	3	SPW	RAS
03/27/19	PER CITY'S COMMENTS	2	SPW	RAS
03/06/19	PER CITY'S COMMENTS	1	SPW	RAS
11/21/18	SUBMITAL TO CITY OF LEES SUMMIT			



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STREET AND STORM SEWER PLANS
3' SWALE, DIVERSION BERM &
100 YEAR OVERFLOW SWALE
COBEY CREEK FIRST PLAT
PHASE I
CITY OF LEES SUMMIT, JACKSON COUNTY, MISSOURI

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