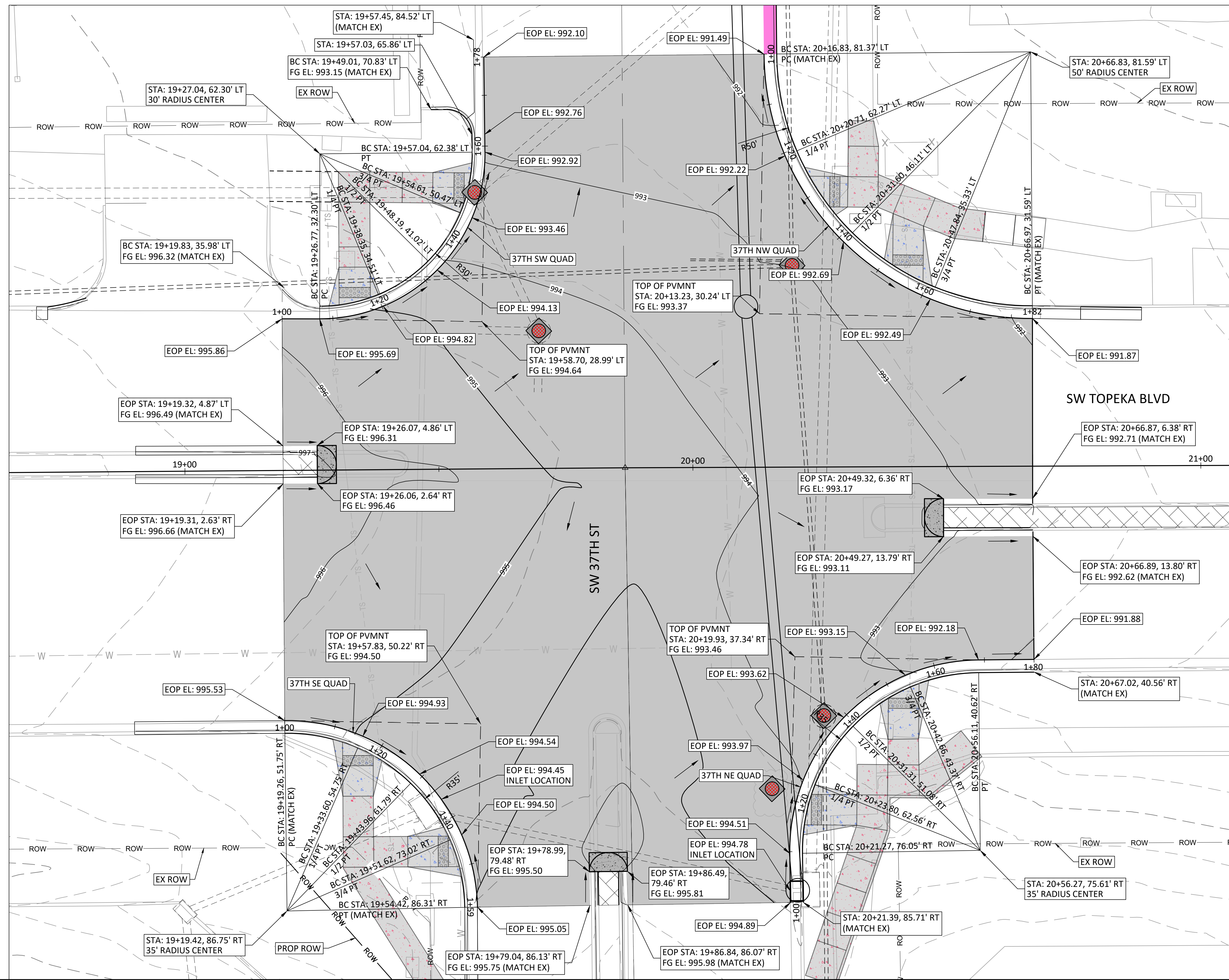


LEGEND

— FLOW ARROW



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NO.	DATE:	REVISION	BY:	APPD:

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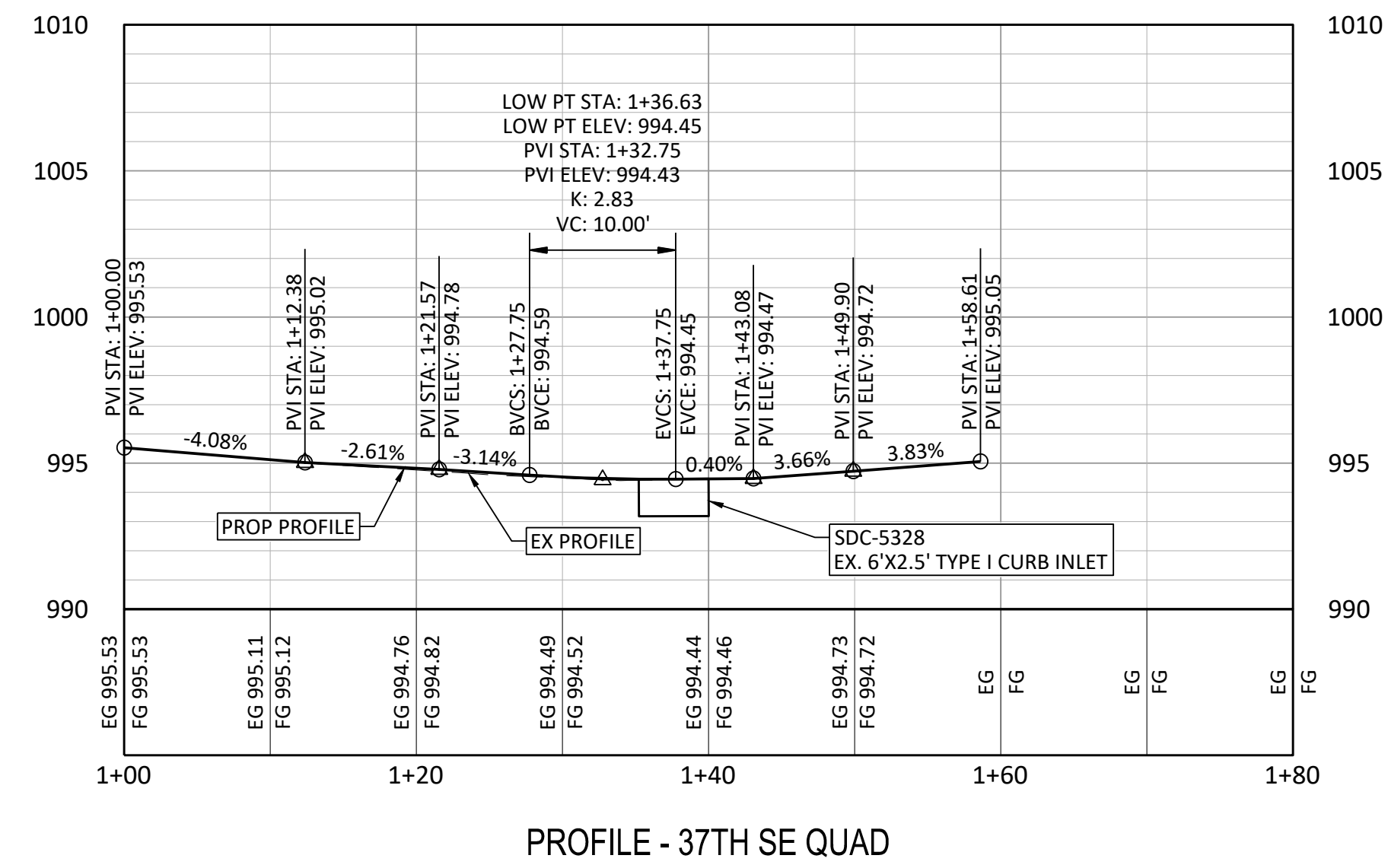
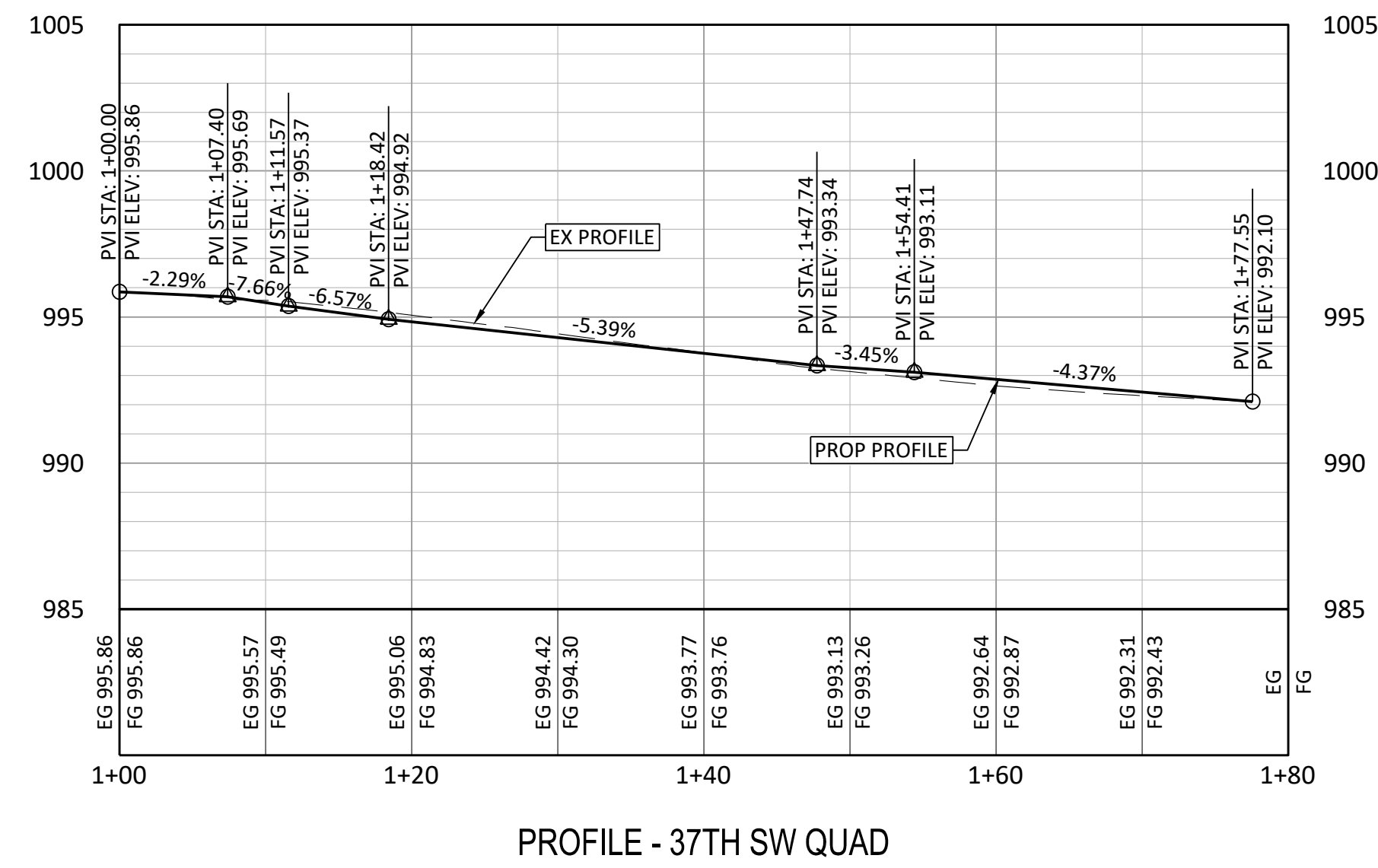
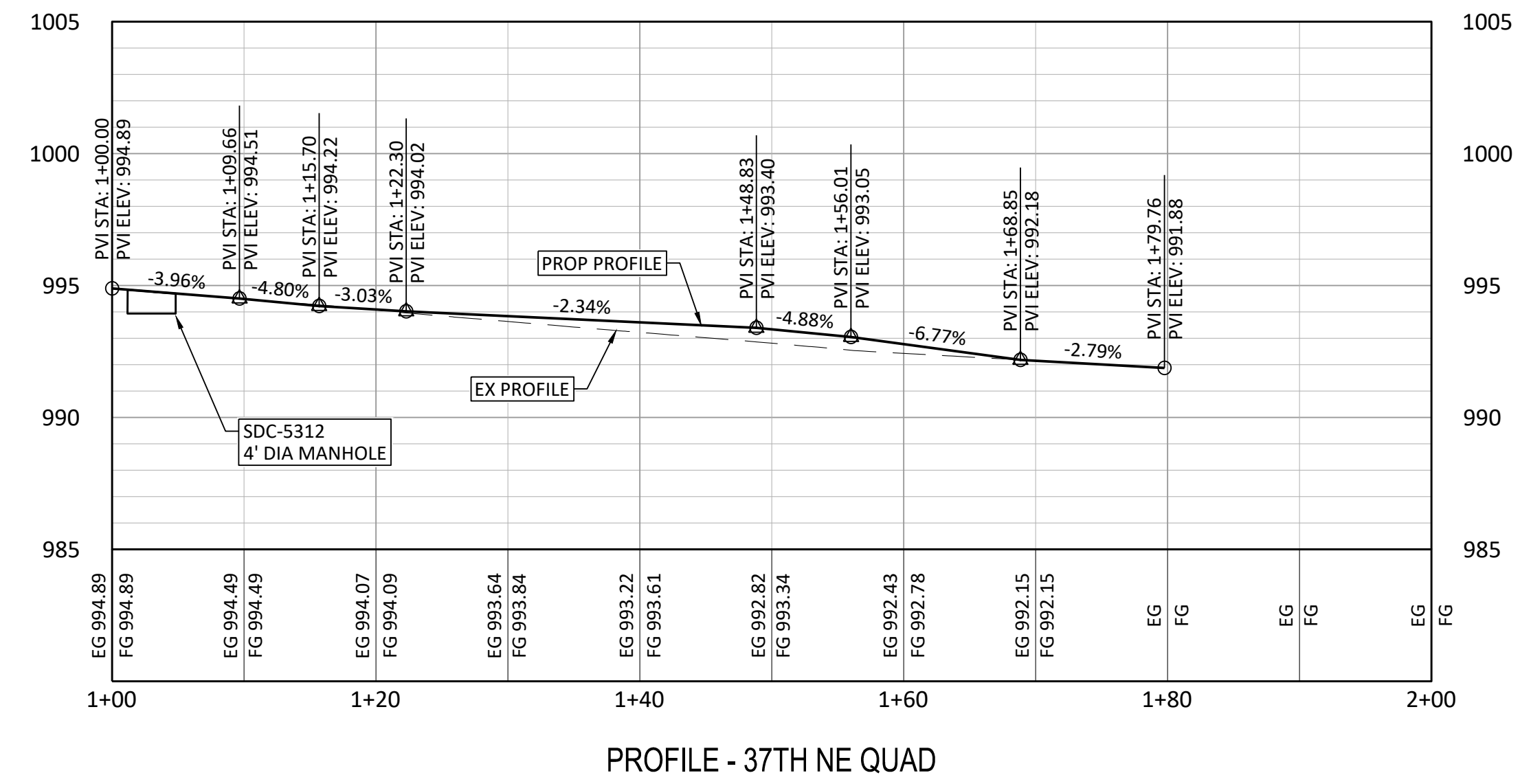
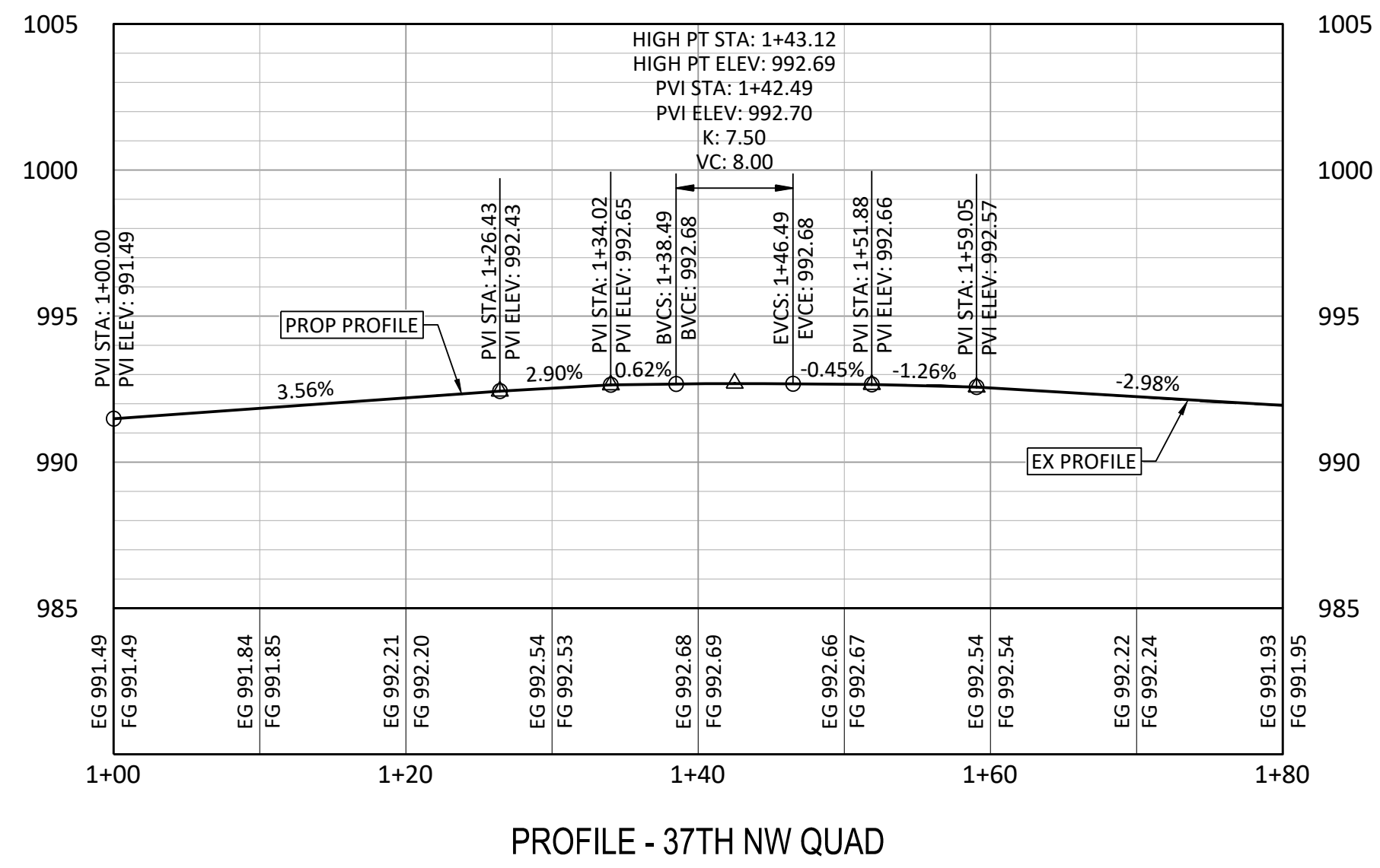
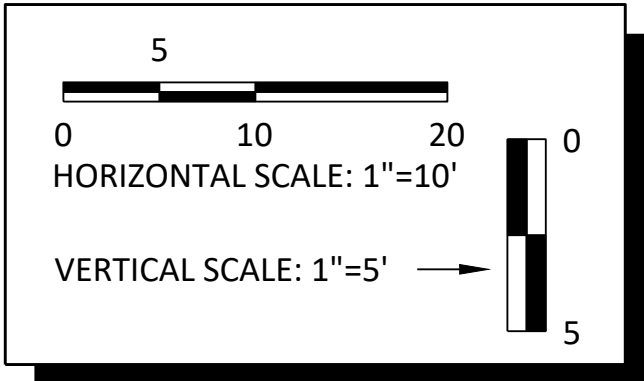
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TOPEKA BLVD
 IMPROVEMENTS:
 PROJECT #701038.00

INTERSECTION DETAILS
 SW 37TH ST AND SW TOPEKA BLVD

DATE: APR 2026
 SHEET: 18 OF 122
 PROJ.: 701038.00



I:\Kansas\132X\605\1325-600005-PRD-INTERSECTION DETS (TOPEKA BLVD).dwg [Plot Date: 4/17/2026 1:54:57 PM] [Last Saved: 4/13/2026 5:41:02 PM; Rcoison]

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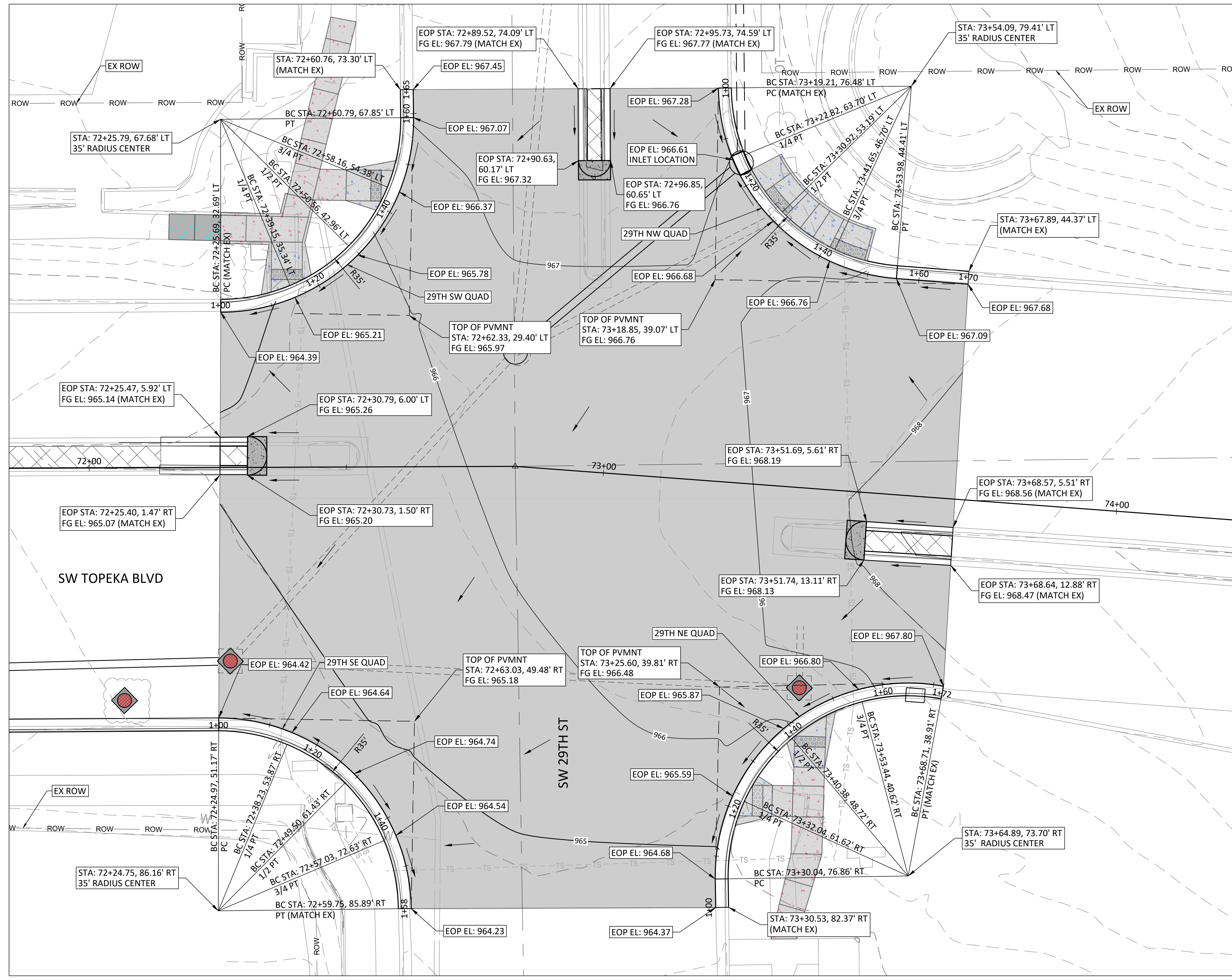
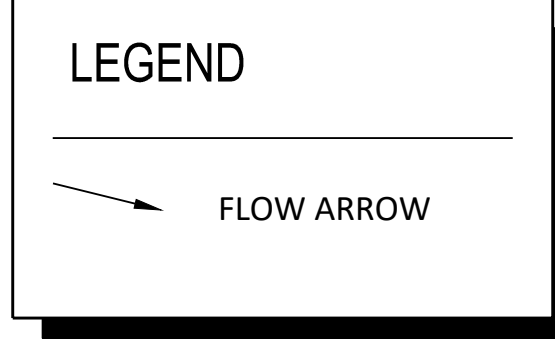
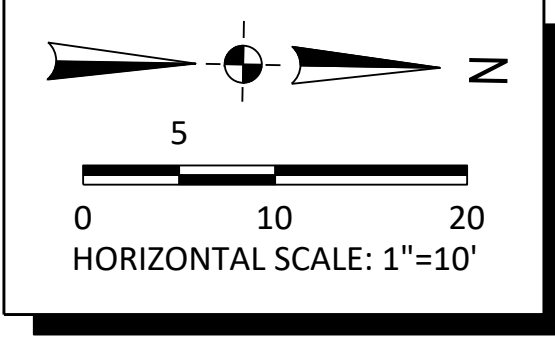
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TOPEKA BLVD
 IMPROVEMENTS:
 PROJECT #701038.00

INTERSECTION PROFILES
 SW 37TH ST AND SW TOPEKA BLVD

DATE: APR 2026
 SHEET: 19 OF 122
 PROJ.: 701038.00



File Location: y:\Kansas\1325-60005\1325-60005-PROD-INTERSECTION DETS (TOPEKA BLVD).dwg | Plot Date: 4/20/2026 12:54:38 PM | Last Saved: 4/13/2026 5:41:02 PM | Robson

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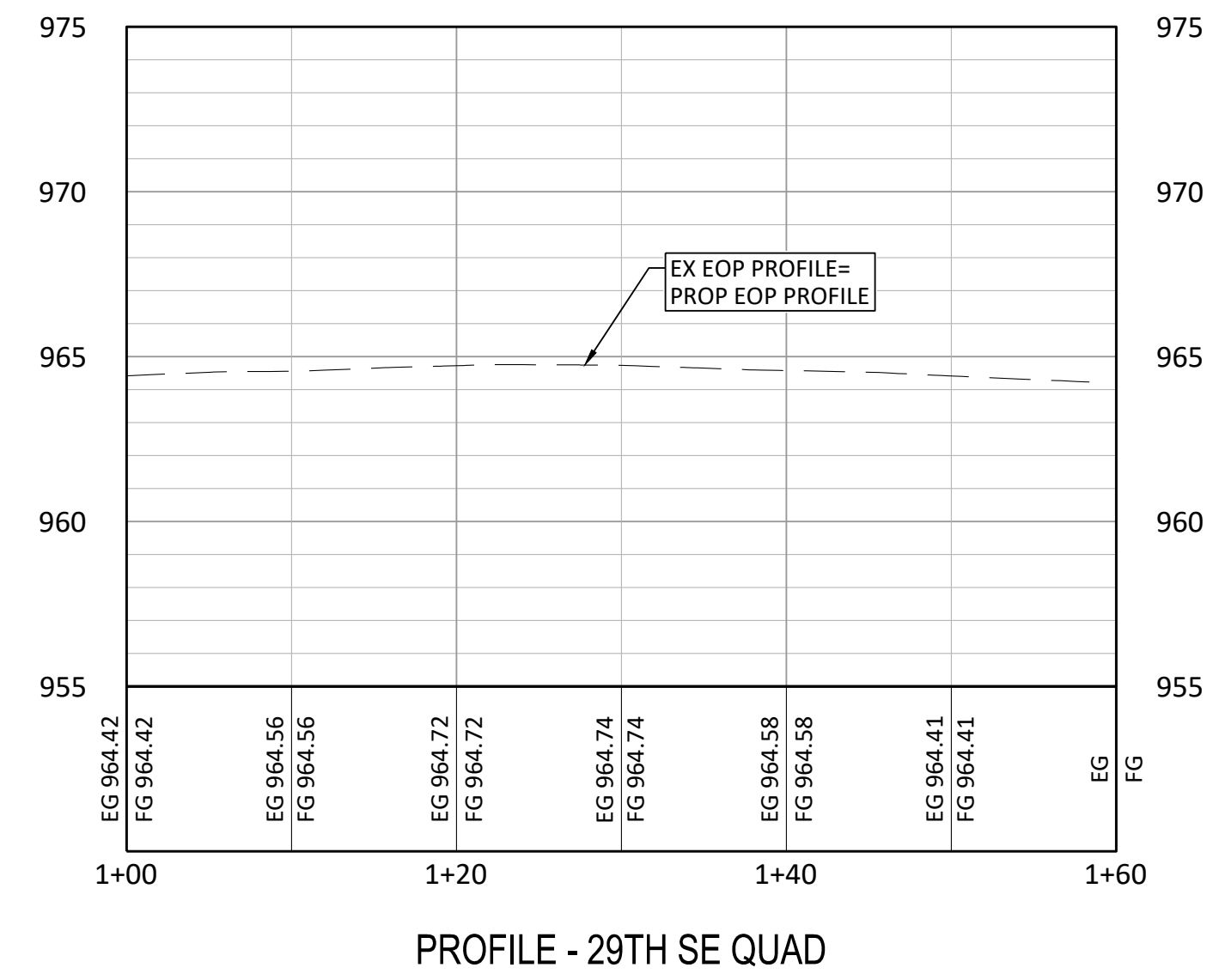
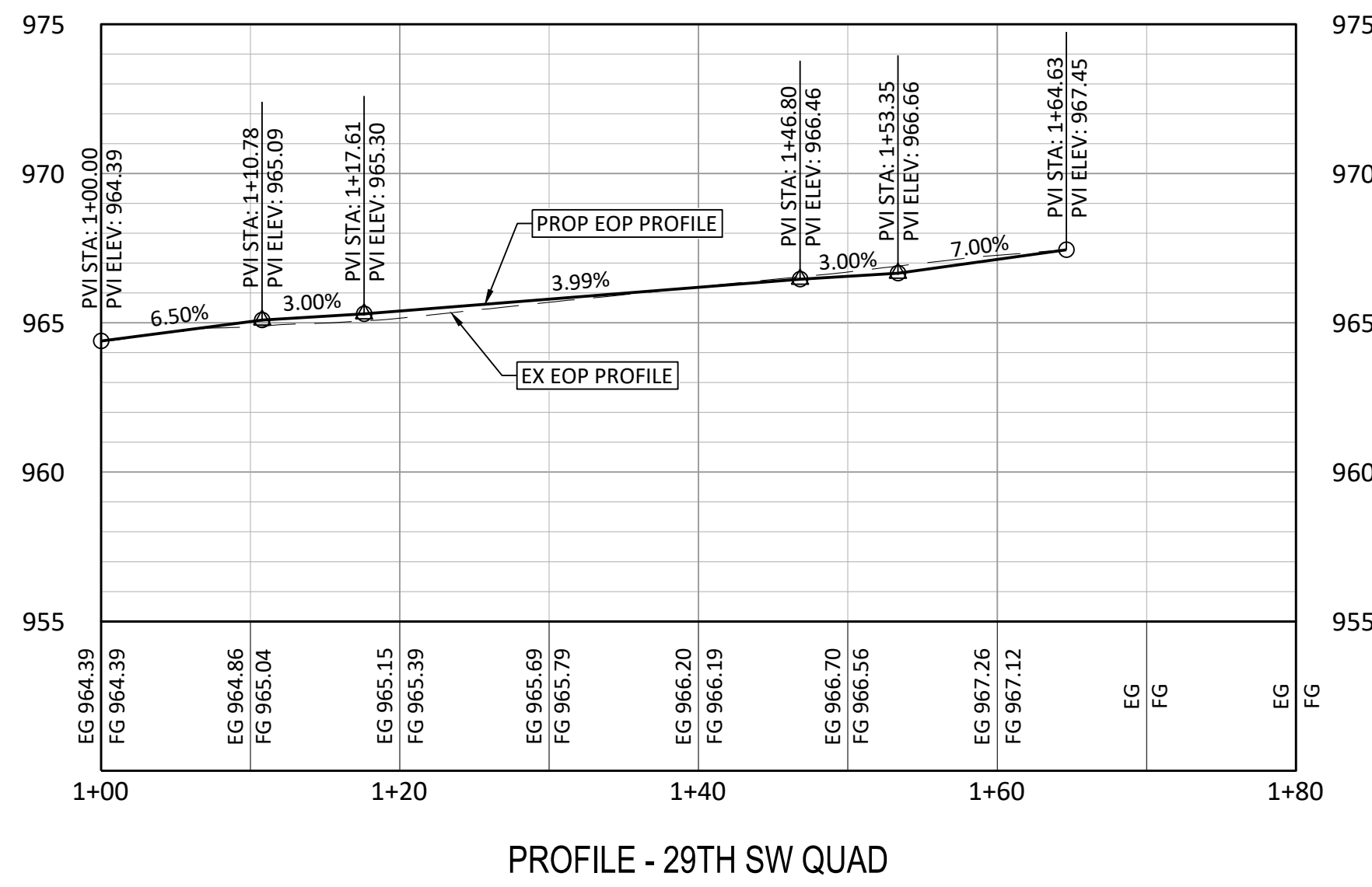
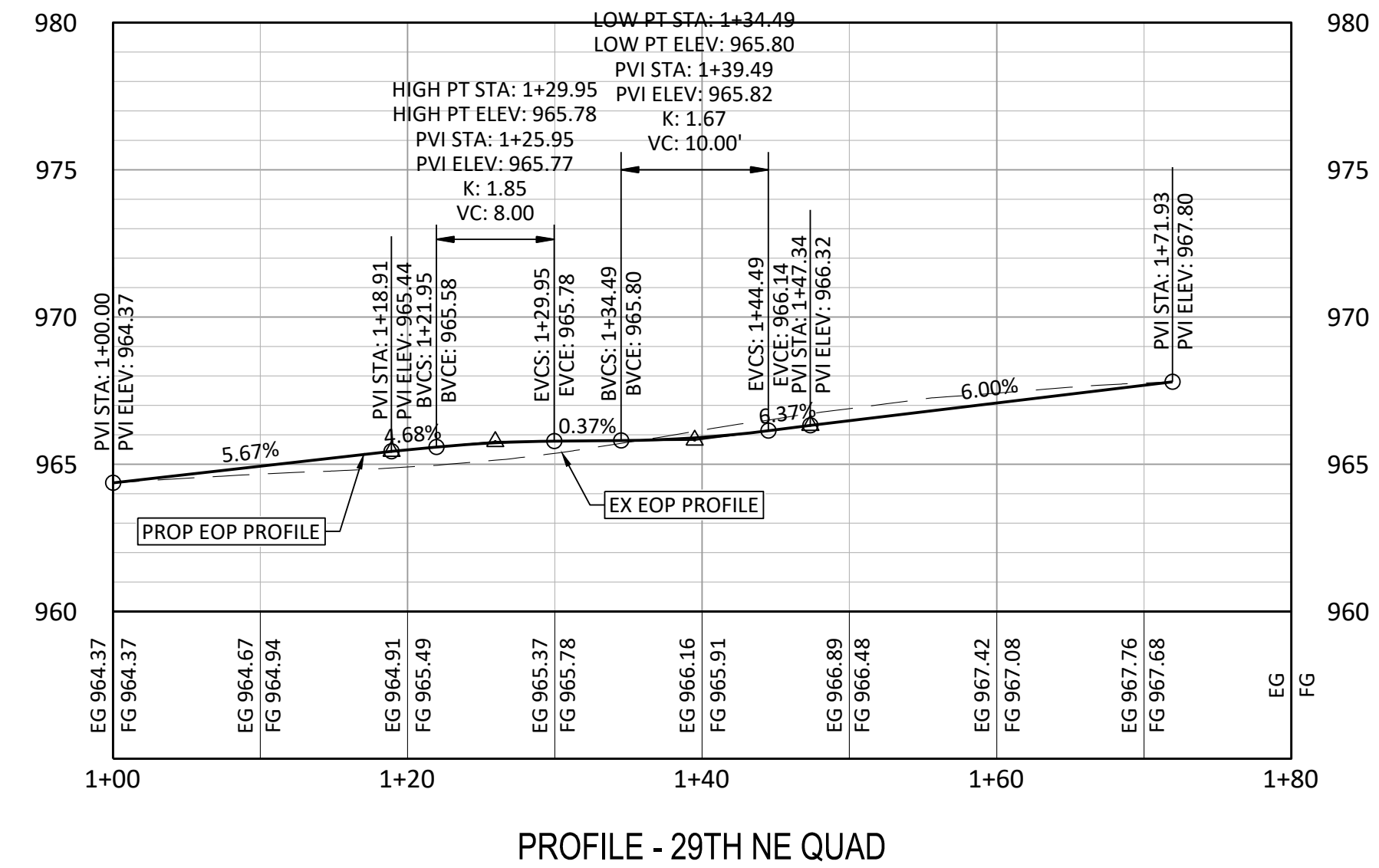
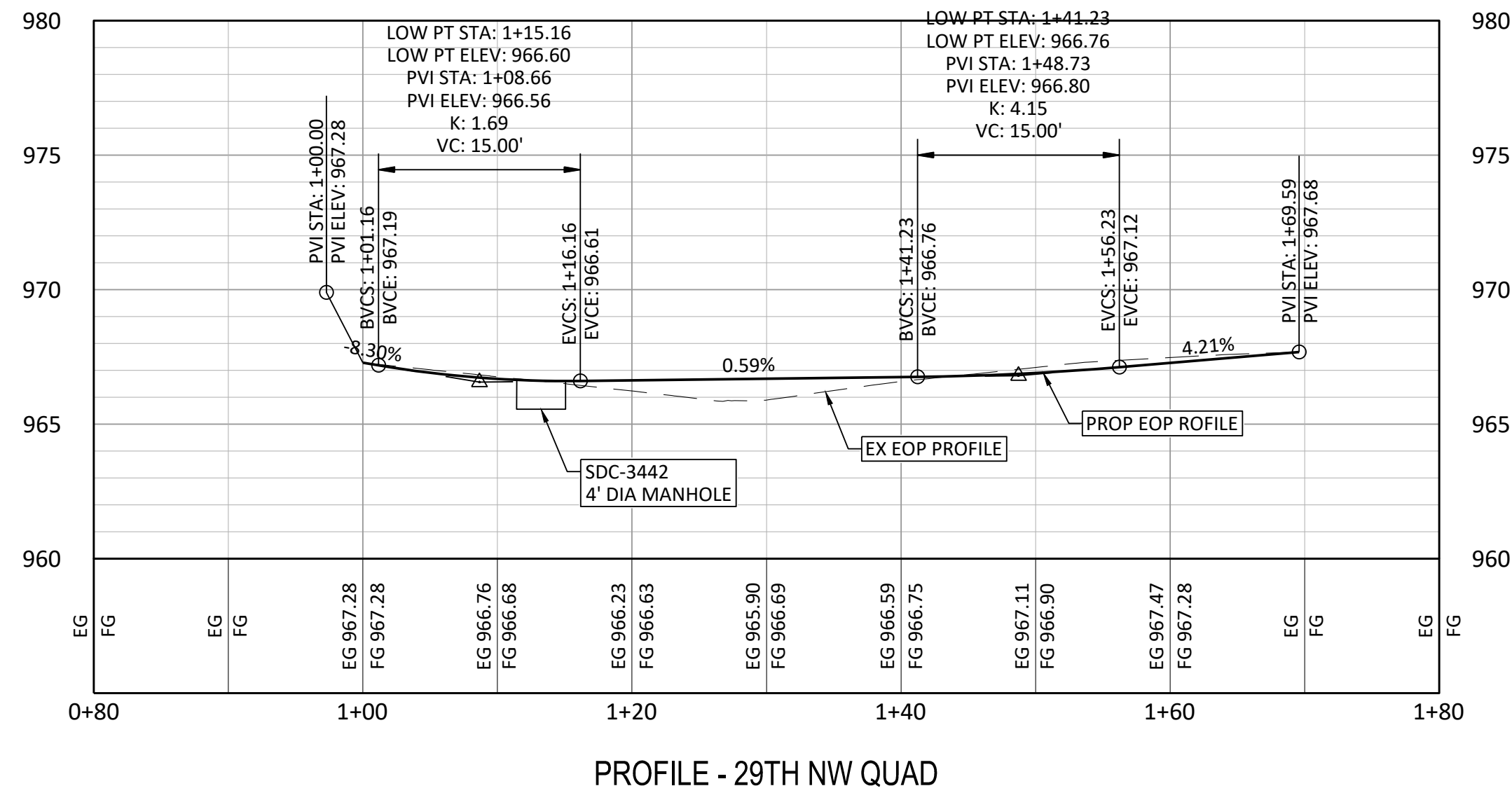
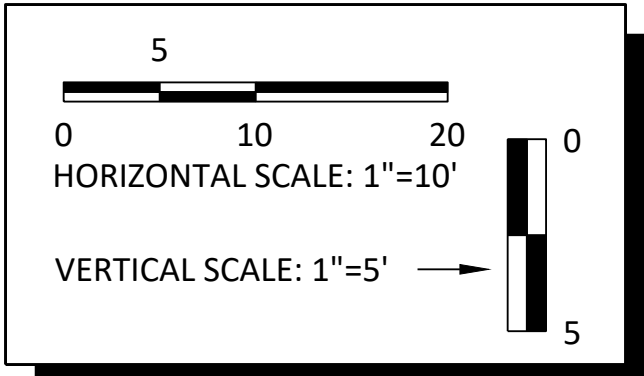
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TOPEKA BLVD
 IMPROVEMENTS:
 PROJECT #701038.00

INTERSECTION DETAILS
 SW 29TH ST AND SW TOPEKA BLVD

DATE: APR 2026
 SHEET: 20 OF 122
 PROJ.: 701038.00



File Location: Y:\Kansas\1325-60005\1325-60005-PROD-INTERSECTION DETS (TOPEKA BLVD).dwg [Plot Date: 4/17/2026 1:55:22 PM] [Last Saved: 4/13/2026 5:41:02 PM: Roison]

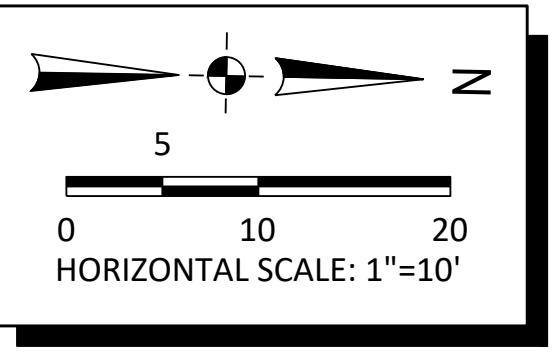
NO.	DATE:	REVISION	BY:	APPD

DRAWN BY: _____
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TOPEKA BLVD
 IMPROVEMENTS:
 PROJECT #701038.00

INTERSECTION PROFILES
 SW 29TH ST AND SW TOPEKA BLVD

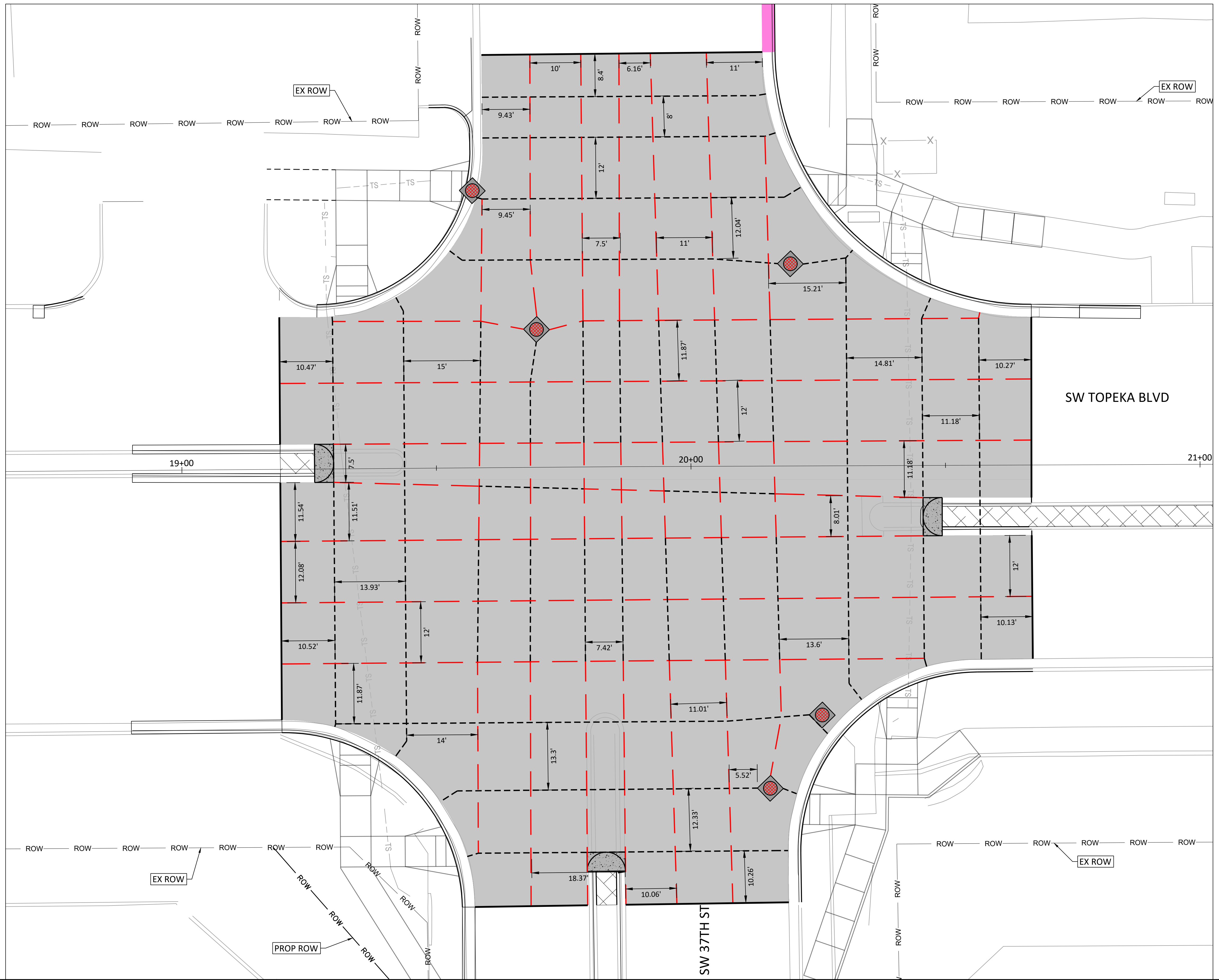
DATE: APR 2026
 SHEET: 21 OF 122
 PROJ.: 701038.00



LEGEND

	12" CONCRETE PAVEMENT
	ADJUST EXISTING MANHOLE (CONCRETE MANHOLE DIAMOND)
	ADJUST EX WATER VALVE
	PROPOSED LONGITUDINAL JOINT
	PROPOSED TRANSVERSE CONTRACTION JOINT
	PROPOSED TRANSVERSE EXPANSION JOINT

- NOTES:**
- ISOLATION JOINTS SHALL INCLUDE EXPANSION MATERIAL PER DETAILS AND SPECIFICATIONS.
 - CONTRACTOR MAY SUBMIT AN ALTERNATIVE JOINTING PLAN, IF DESIRED. CONCRETE JOINT PLAN MUST BE PROVIDED TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTING.
 - ALL EXPANSION JOINTS SHALL BE SEALED. PRIOR TO SEALING, GRINDING OF THE EXPANSION MATERIAL IS REQUIRED. ALL WORK AND MATERIALS TO SEAL JOINTS IS SUBSIDIARY.
 - TIE BARS SHALL BE PLACED AT CONSTRUCTION JOINTS WHERE THE CONCRETE PAVEMENT ABUTS CURB AND GUTTER. SIZE, LENGTH, SPACING, ETC. SHALL BE PER THE STANDARD DETAILS FOR TIE BARS.



File Location: y:\Kansas\1325-60005\1325-60005-00_topoka_bldg\Eng_Docs\General\Sheets\1325-60005-PROD-JOINTING PLANS (TOPEKA BLVD).dwg [Plot Date: 4/20/2026 3:09:02 PM] [Last Saved: 3/27/2026 12:25:30 PM; Blue]

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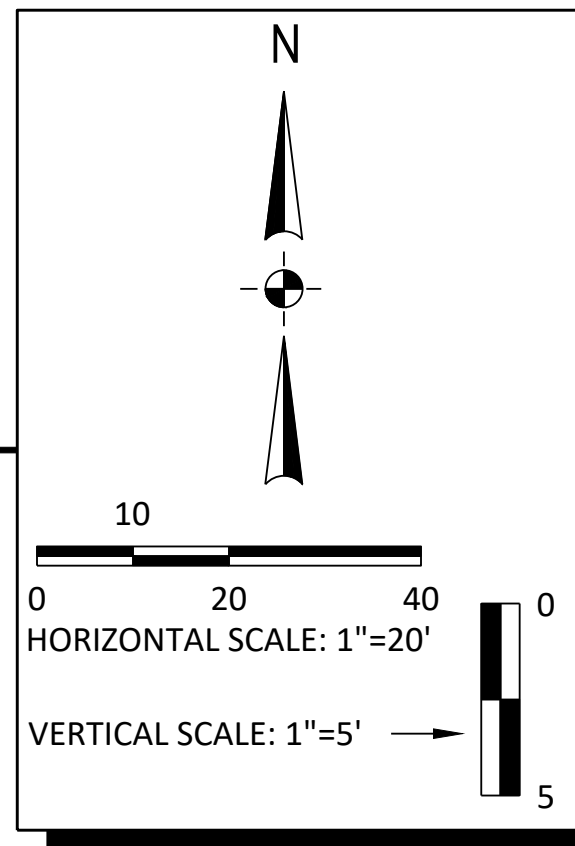
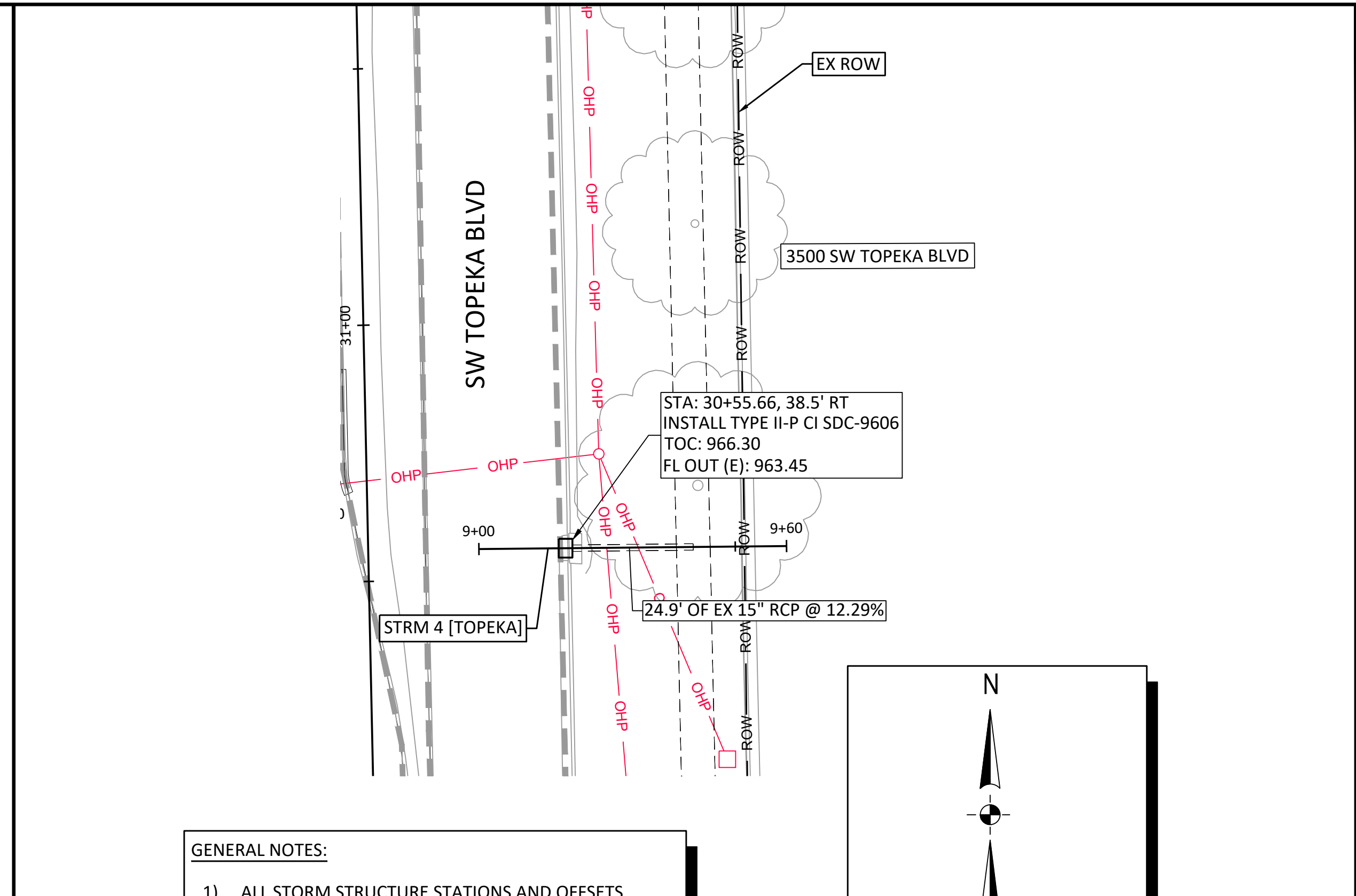
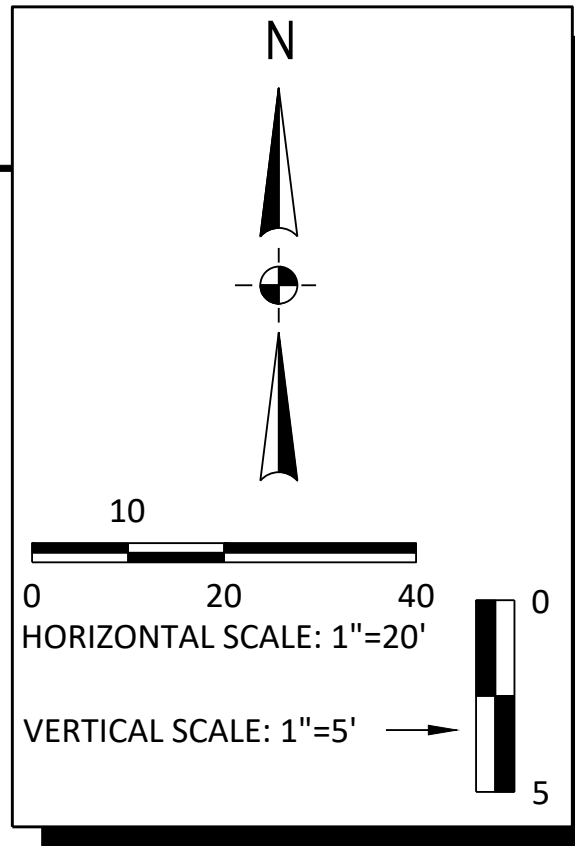
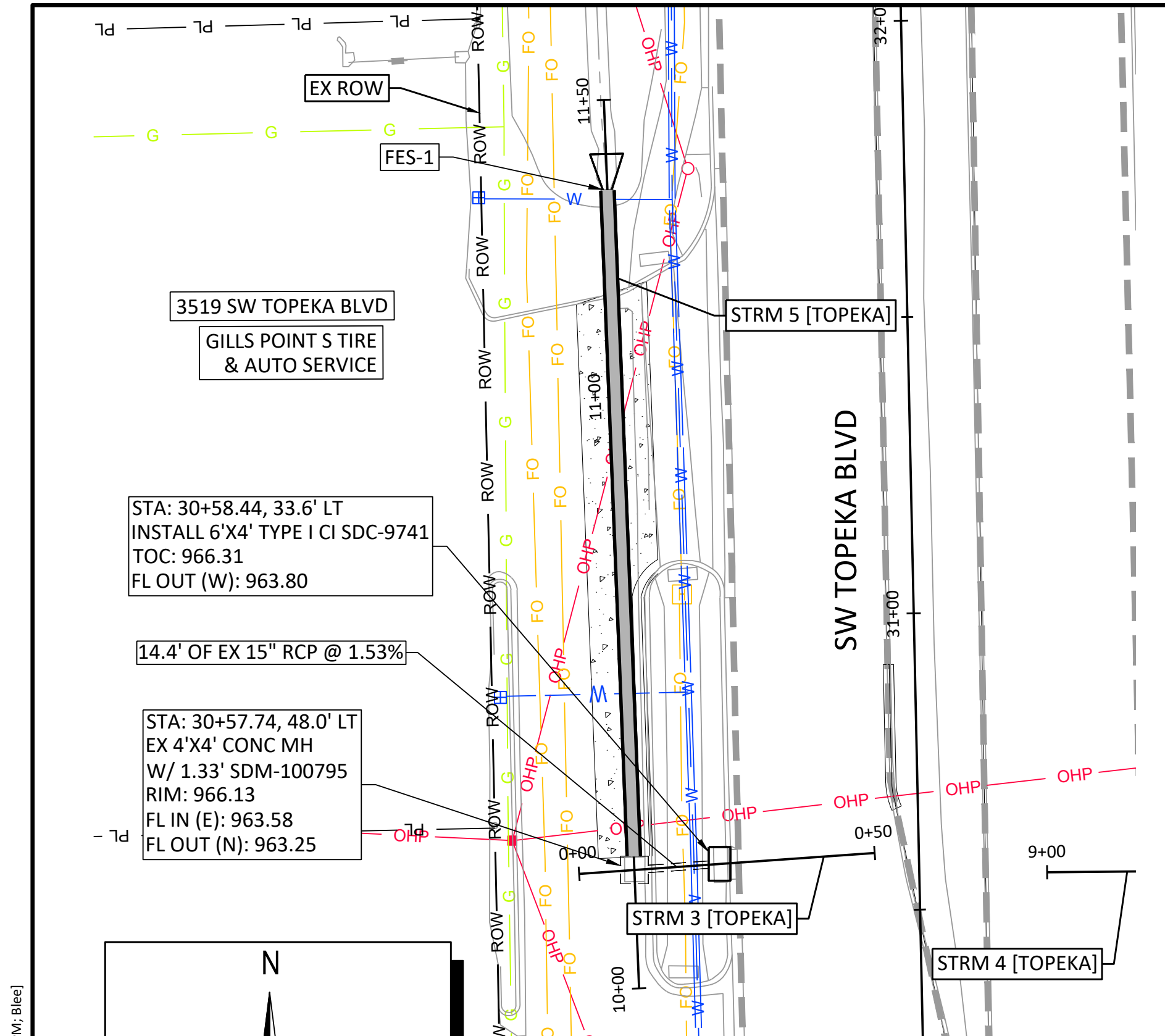
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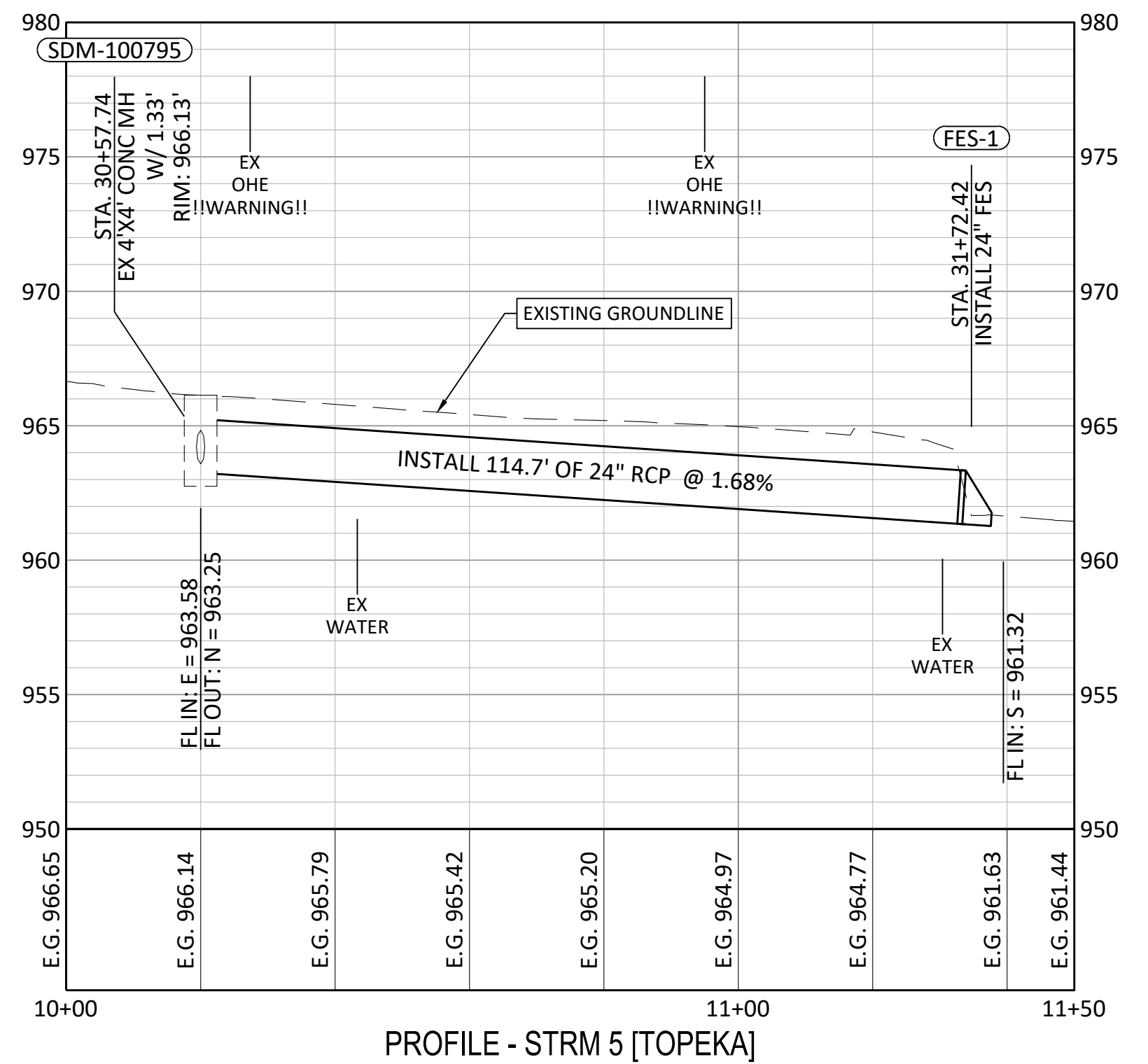
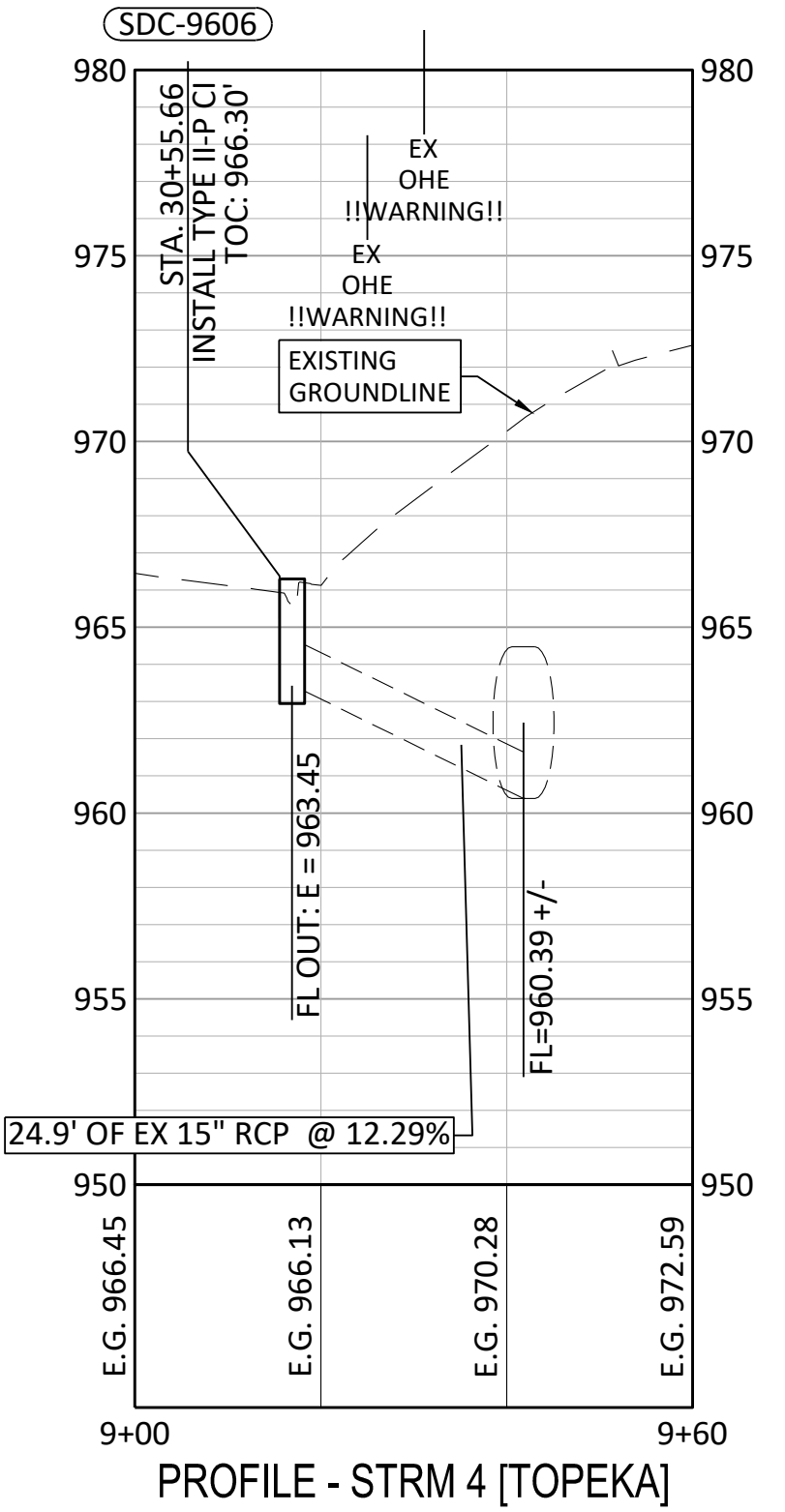
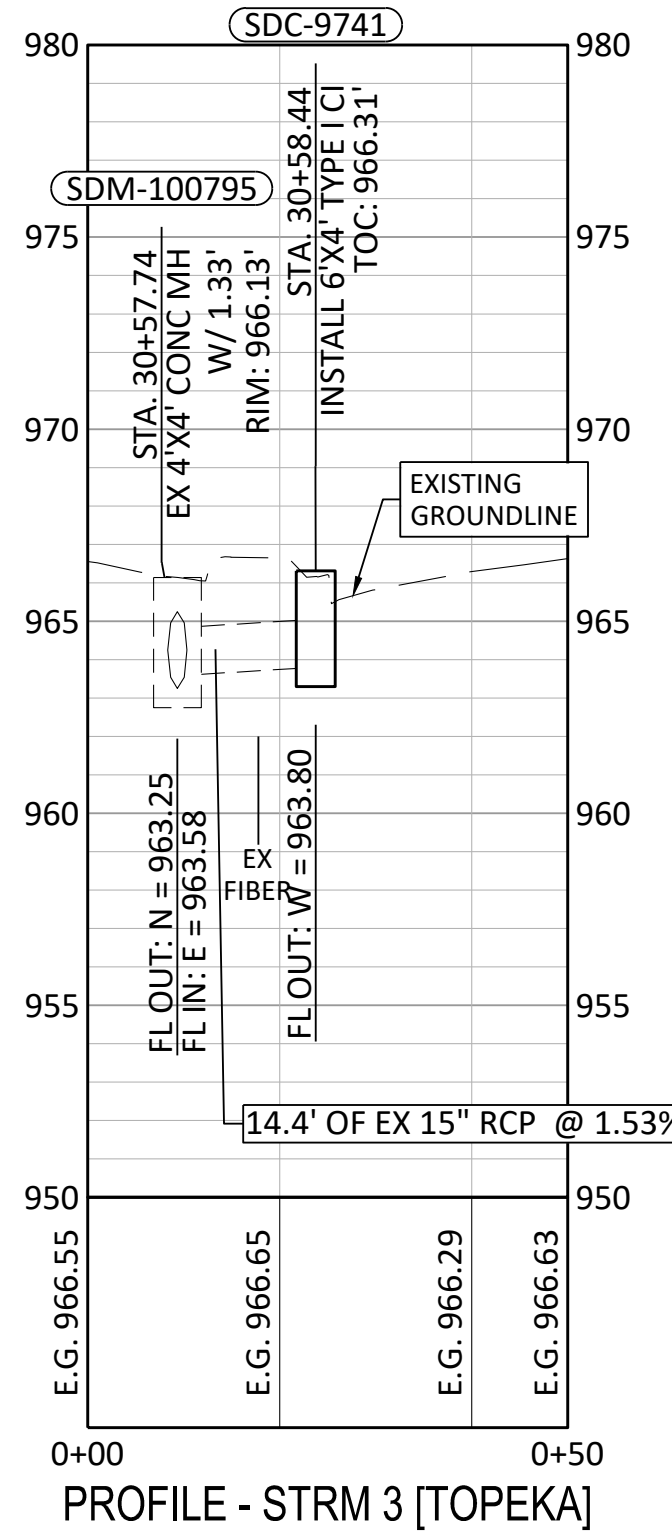
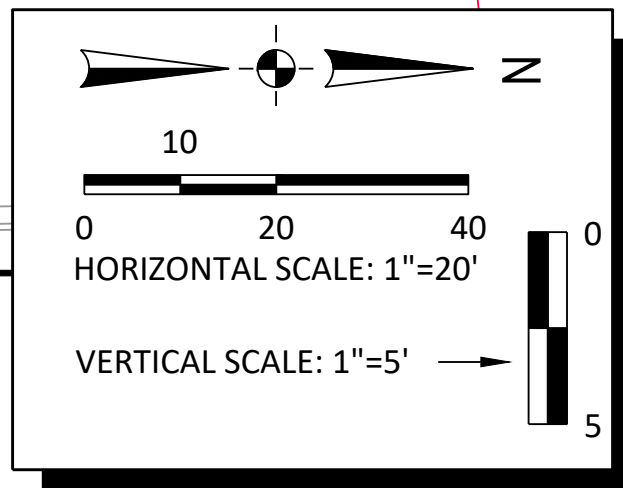
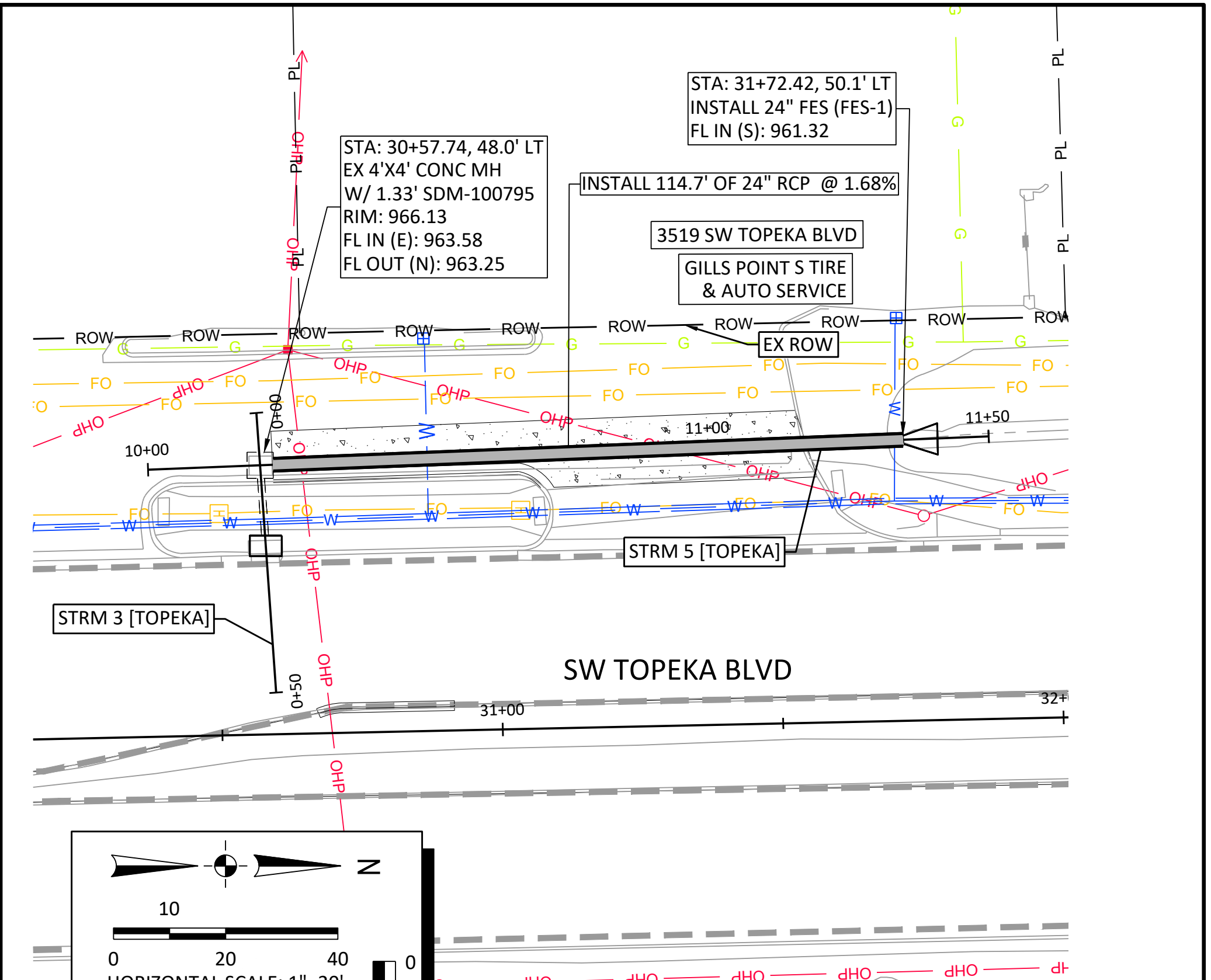
TOPEKA BLVD
 IMPROVEMENTS:
 PROJECT #701038.00

CONCRETE JOINTING PLAN
 SW TOPEKA BLVD & SW 37TH ST

DATE: APR 2026
 SHEET: 22 OF 122
 PROJ.: 701038.00



- GENERAL NOTES:**
- 1) ALL STORM STRUCTURE STATIONS AND OFFSETS REFERENCE THE SW TOPEKA BLVD ALIGNMENT UNLESS OTHERWISE NOTED IN PLANS.
 - 2) FOR PAVEMENT REPAIR INFORMATION SEE COLOR-CODED STREET PLAN SHEETS.



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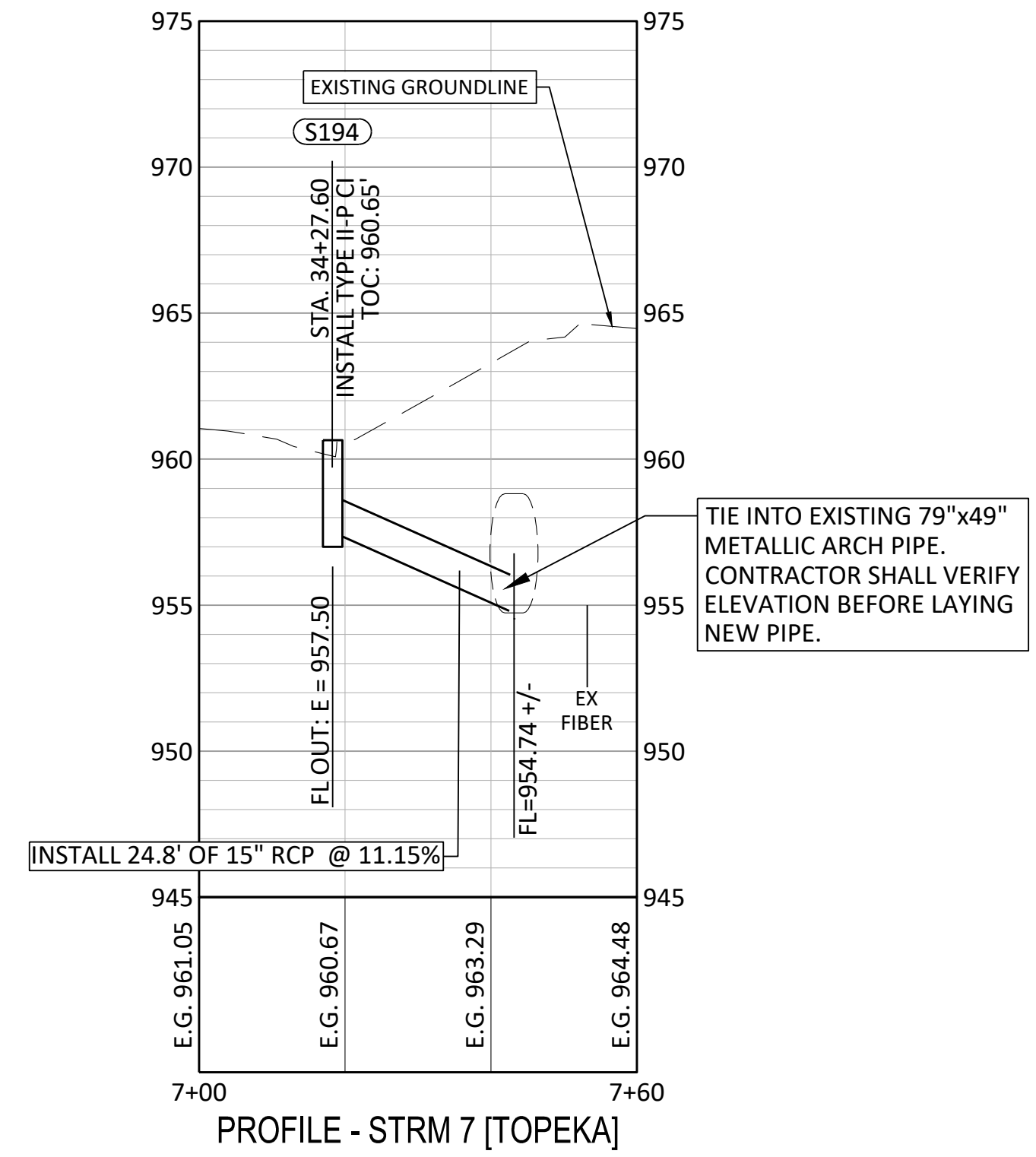
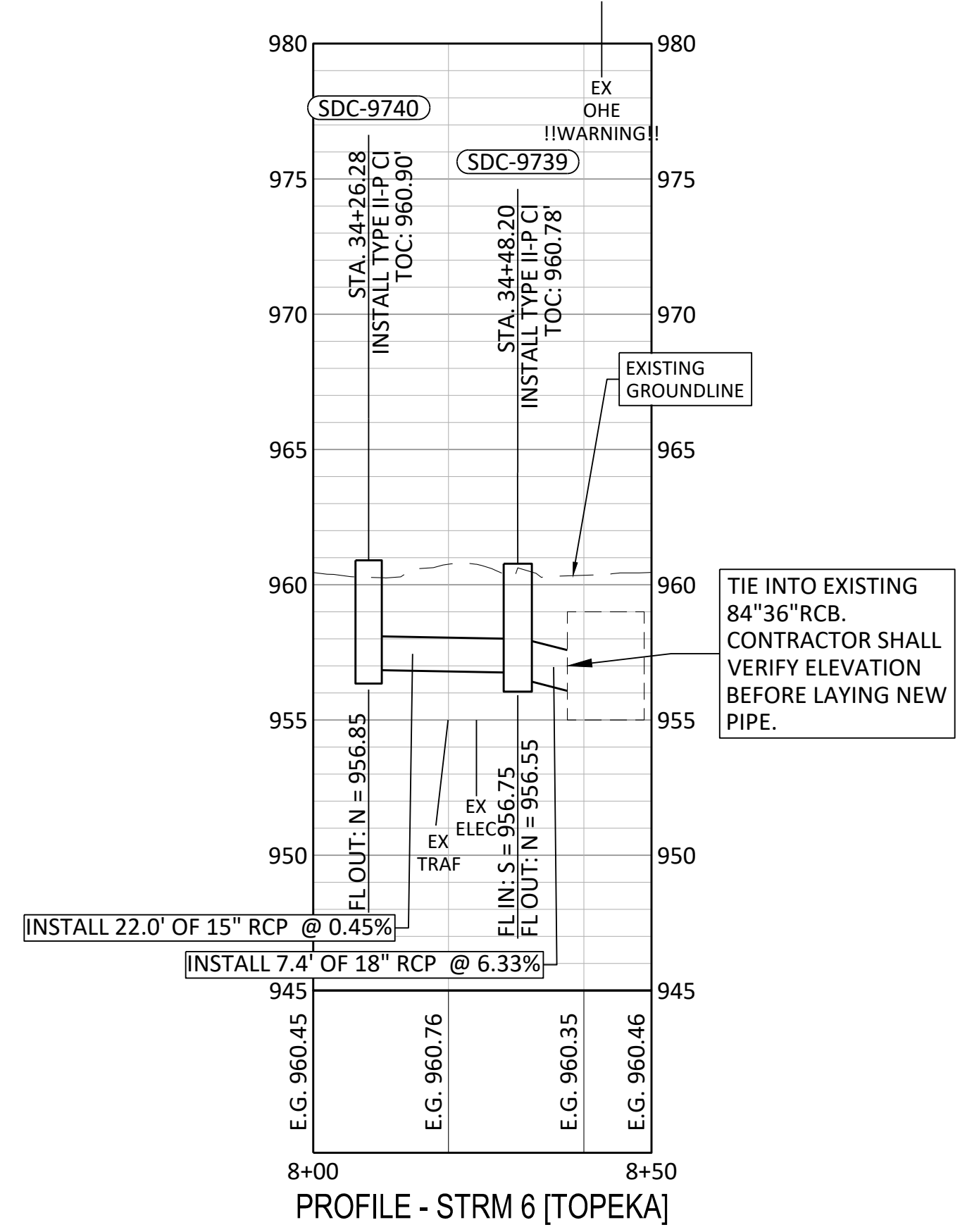
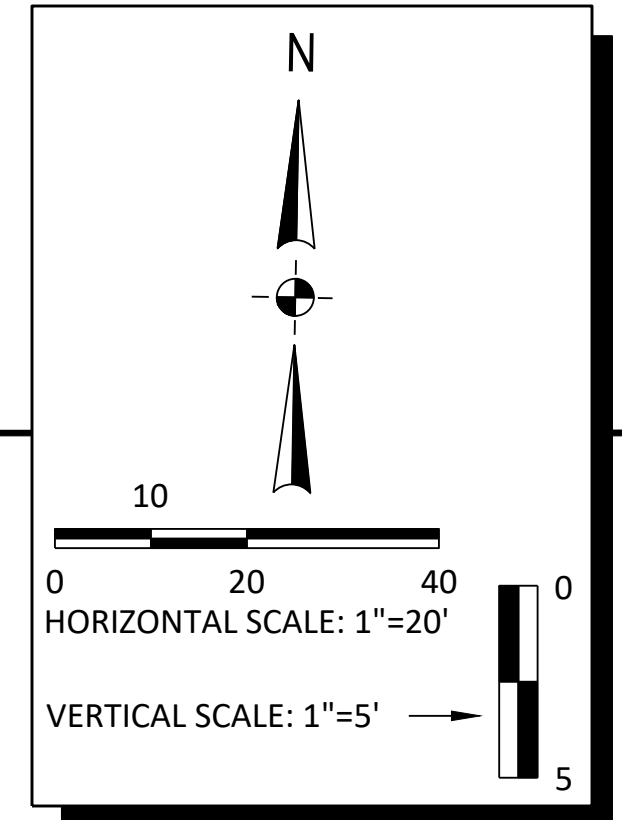
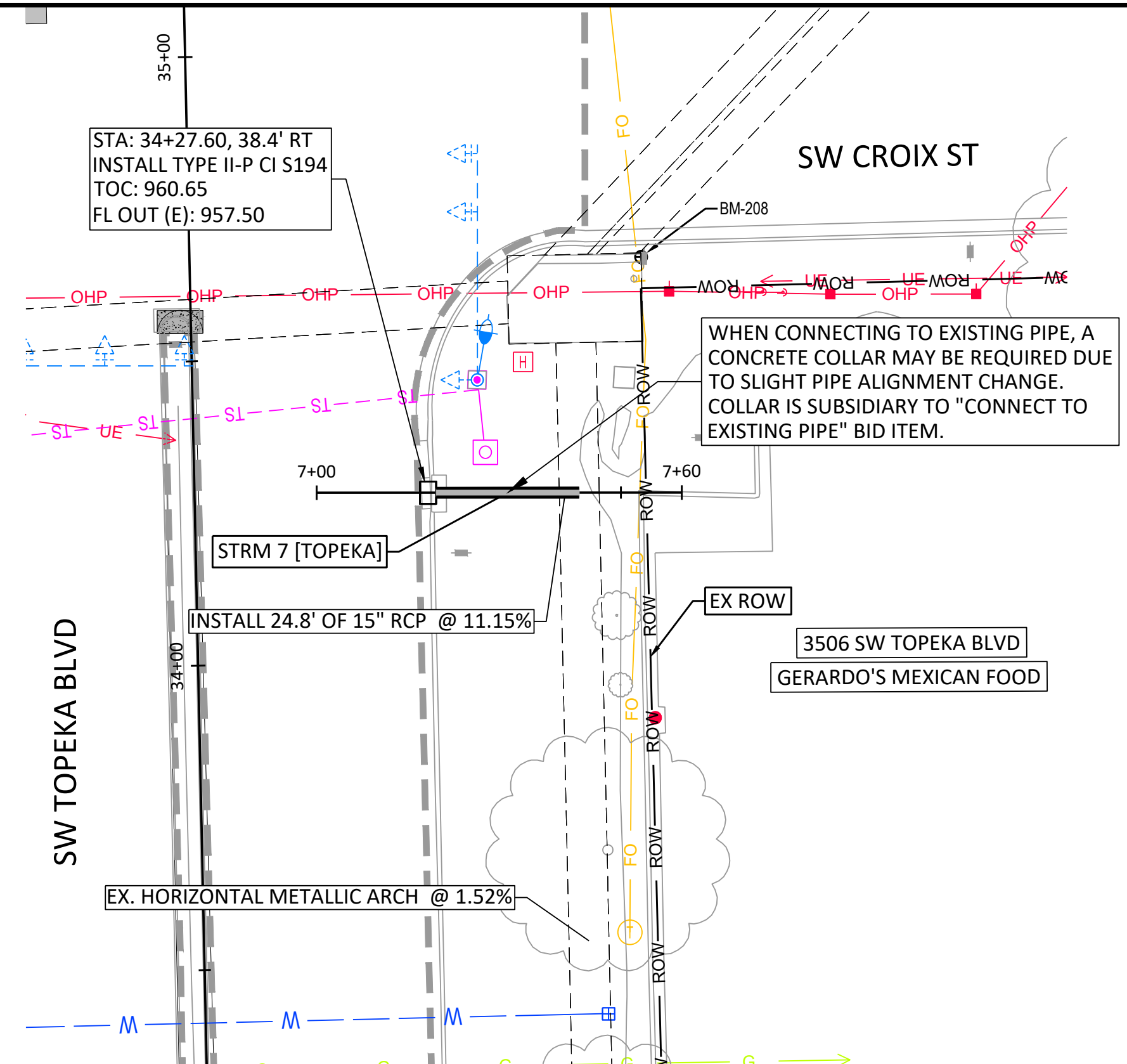
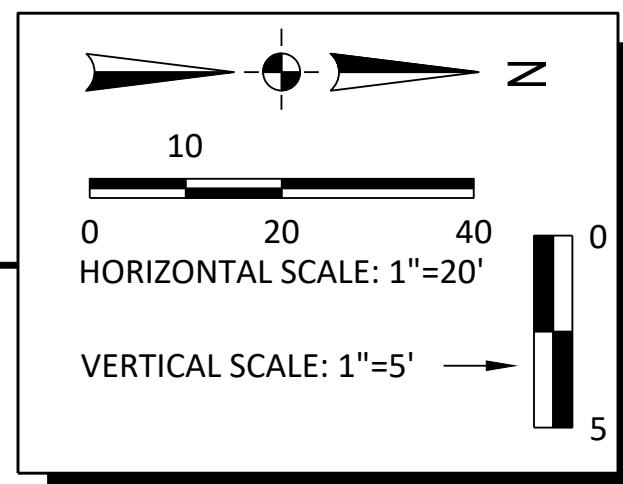
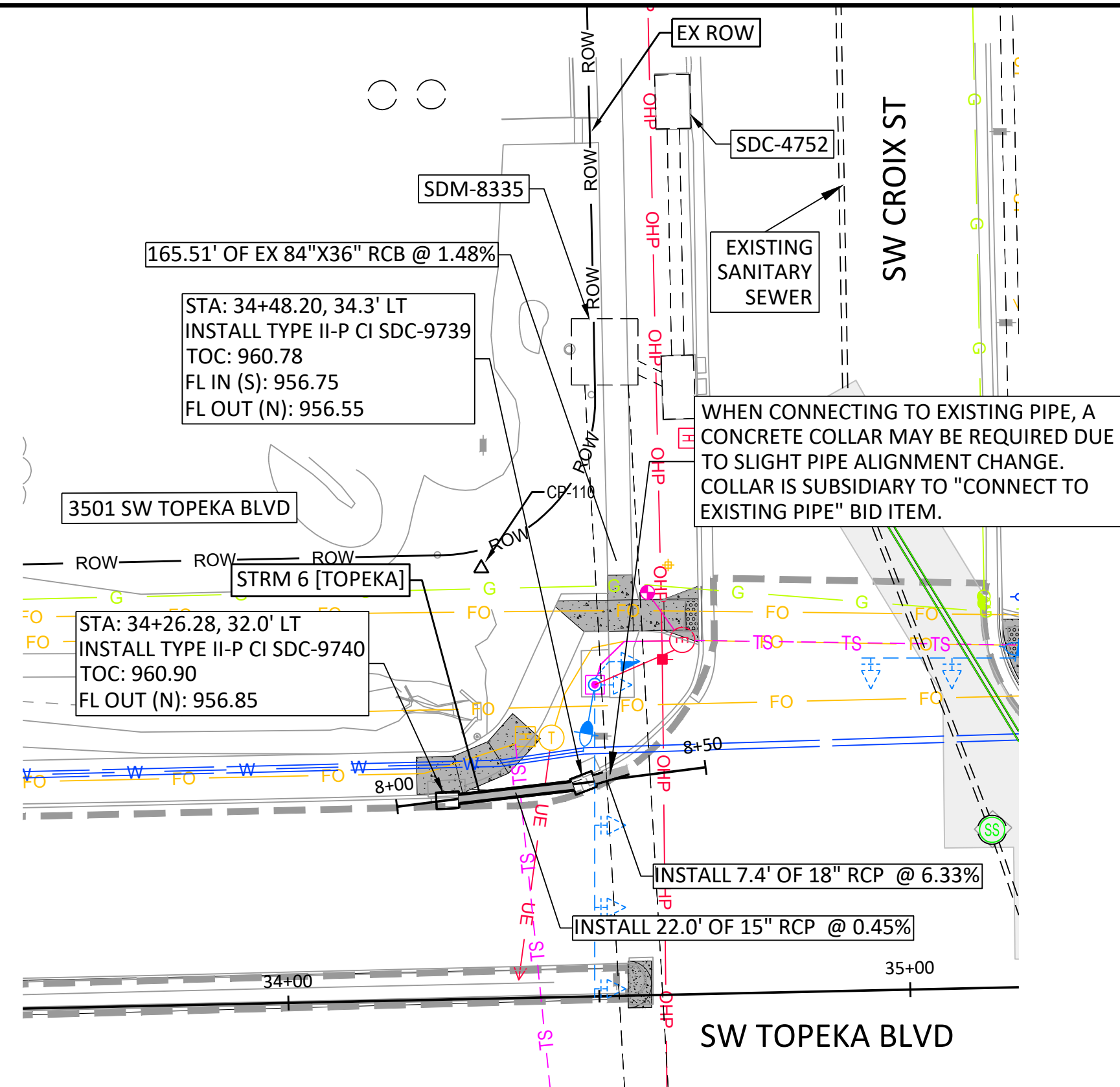
TOPEKA BLVD
IMPROVEMENTS:
PROJECT #701038.00

STORM SEWER PLAN & PROFILE
STORM ALIGNMENT 3 THRU 5

DATE: APR 2026
SHEET: 25 OF 122
PROJ.: 701038.00

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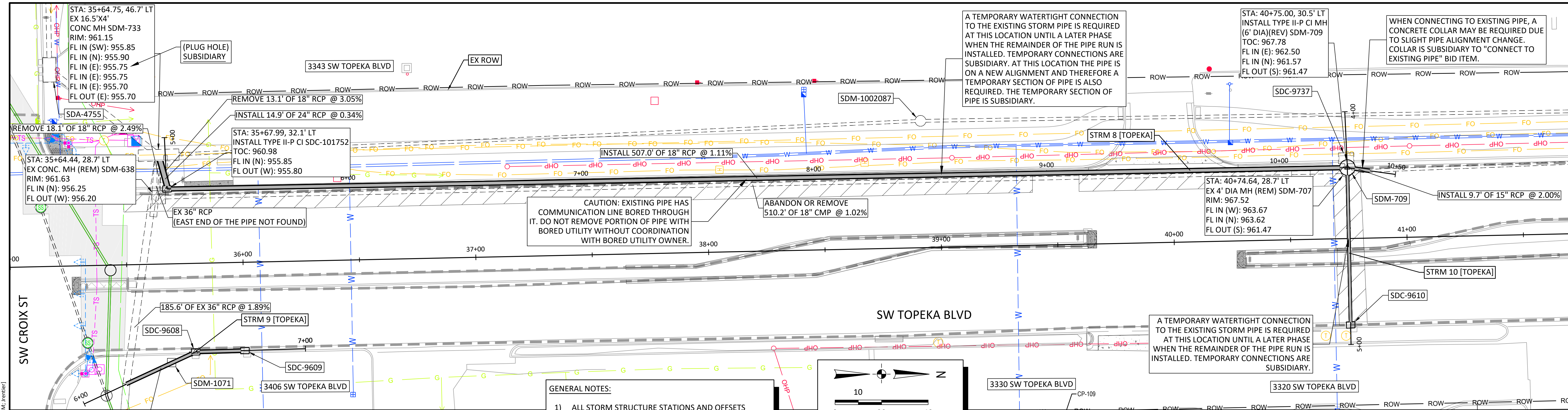

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TOPEKA BLVD
 IMPROVEMENTS:
 PROJECT #701038.00

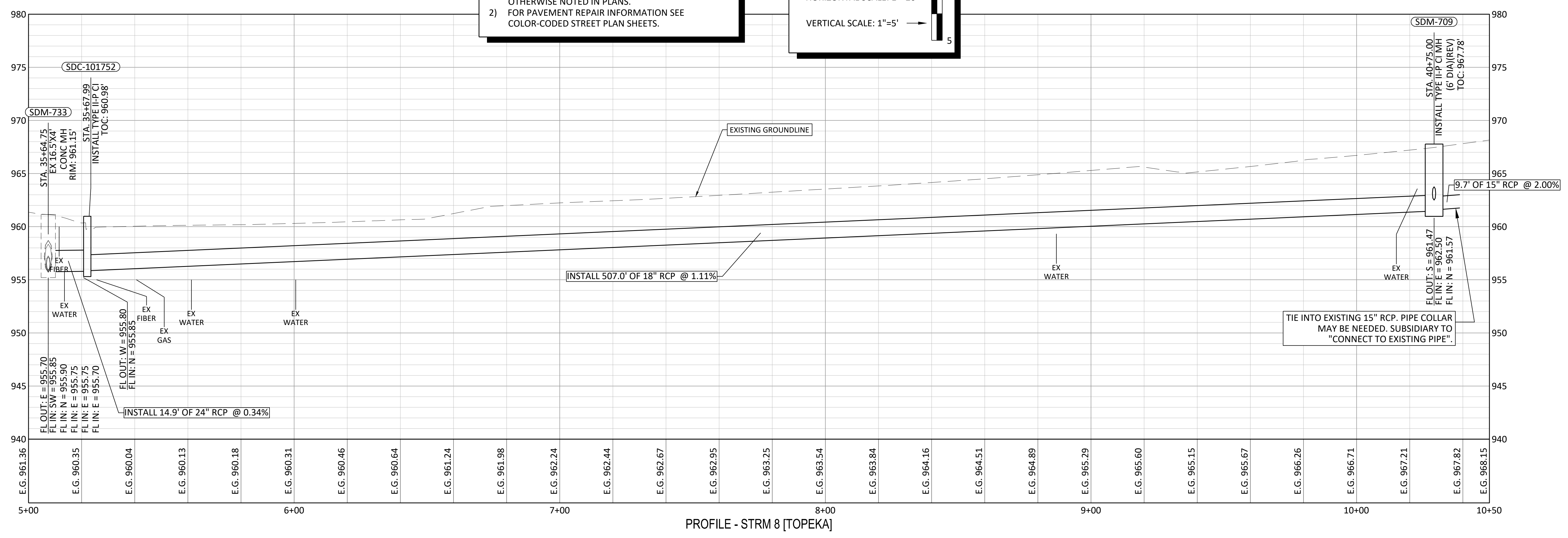
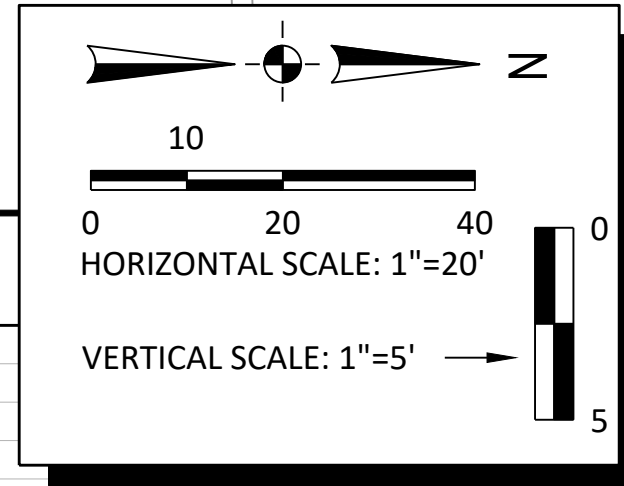
STORM SEWER PLAN & PROFILE
 STORM ALIGNMENT 6 & 7

DATE: APR 2026
 SHEET: 26 OF 122
 PROJ.: 701038.00



GENERAL NOTES:

- 1) ALL STORM STRUCTURE STATIONS AND OFFSETS REFERENCE THE SW TOPEKA BLVD ALIGNMENT UNLESS OTHERWISE NOTED IN PLANS.
- 2) FOR PAVEMENT REPAIR INFORMATION SEE COLOR-CODED STREET PLAN SHEETS.



PROFILE - STRM 8 [TOPEKA]

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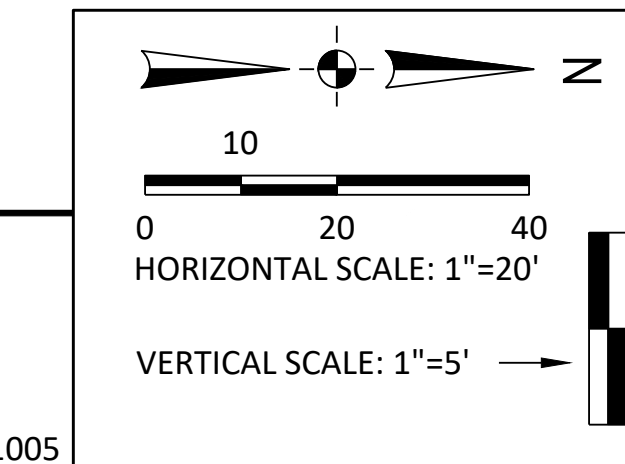
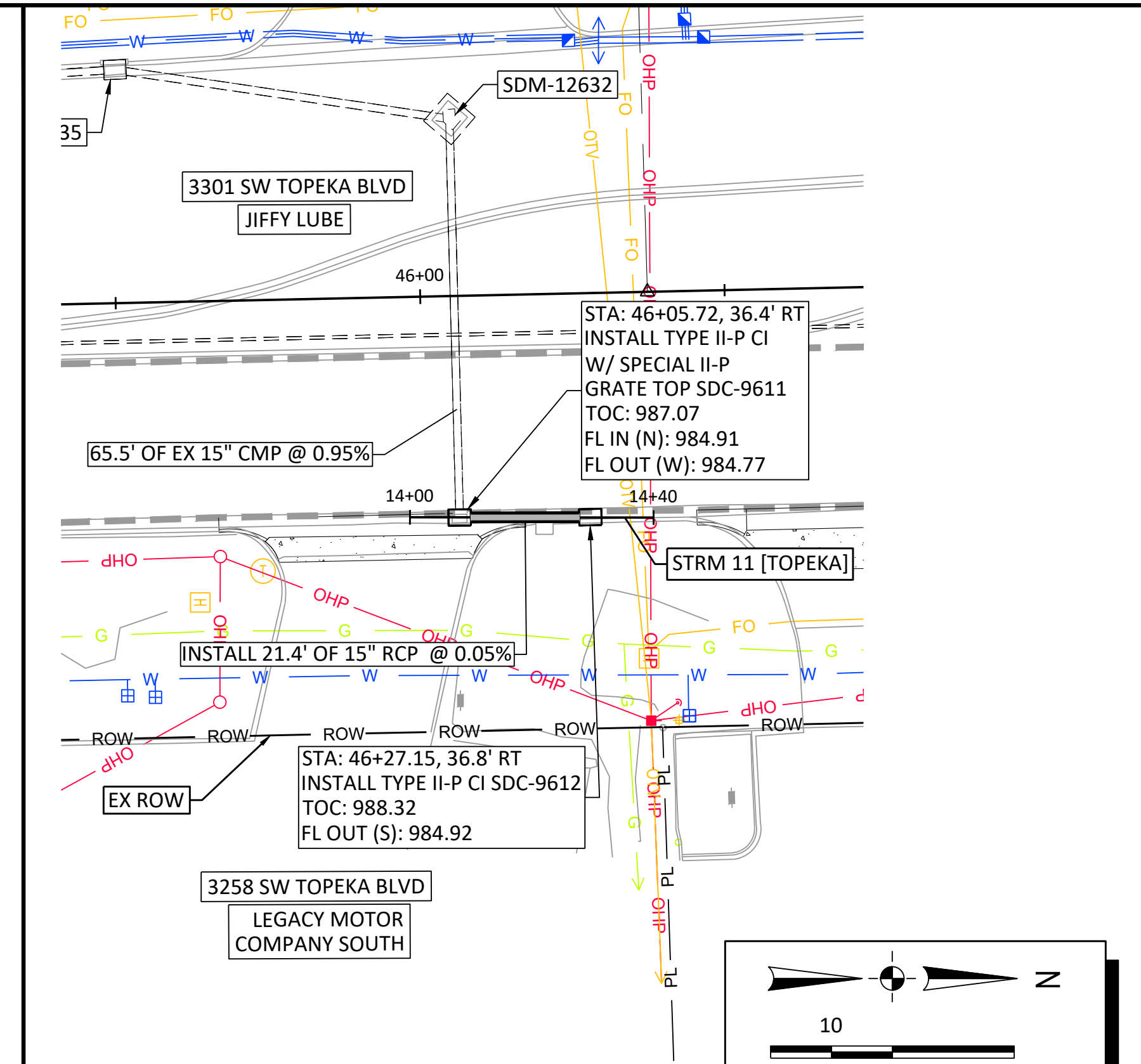
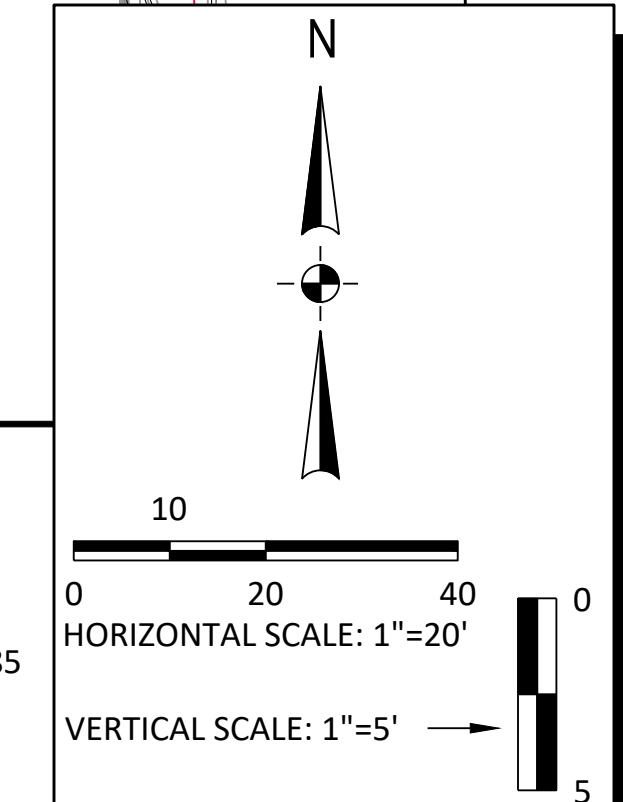
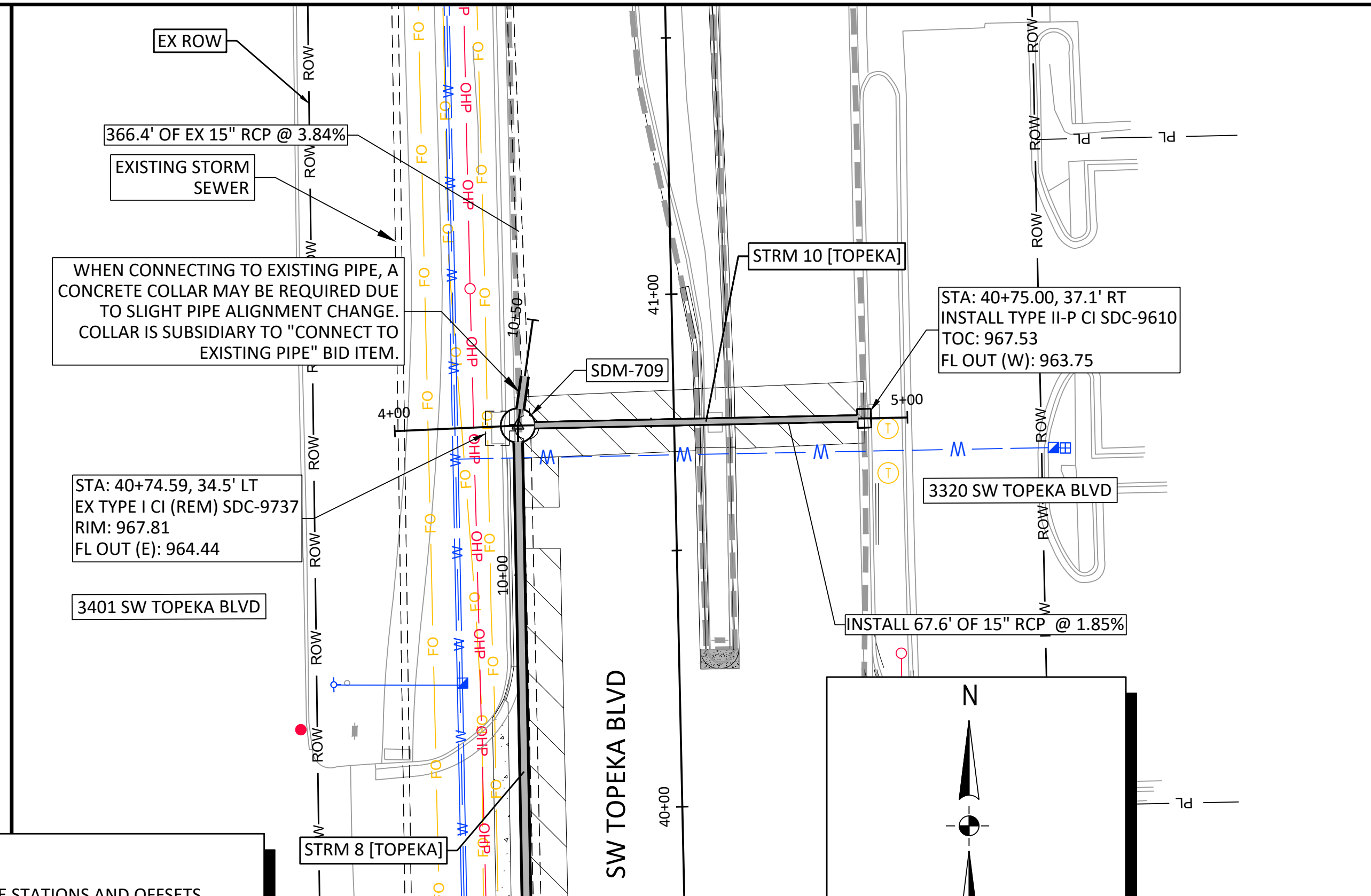
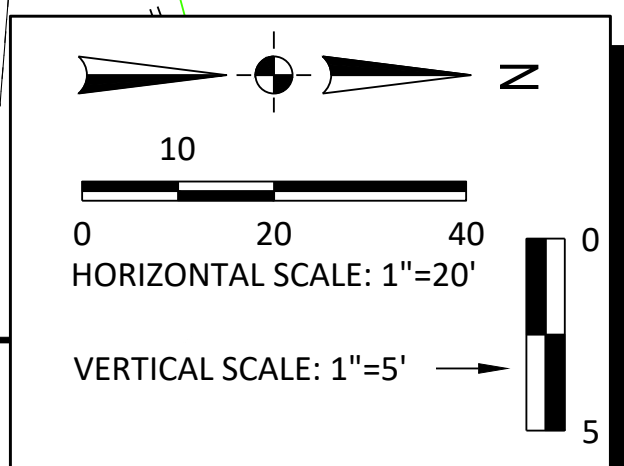
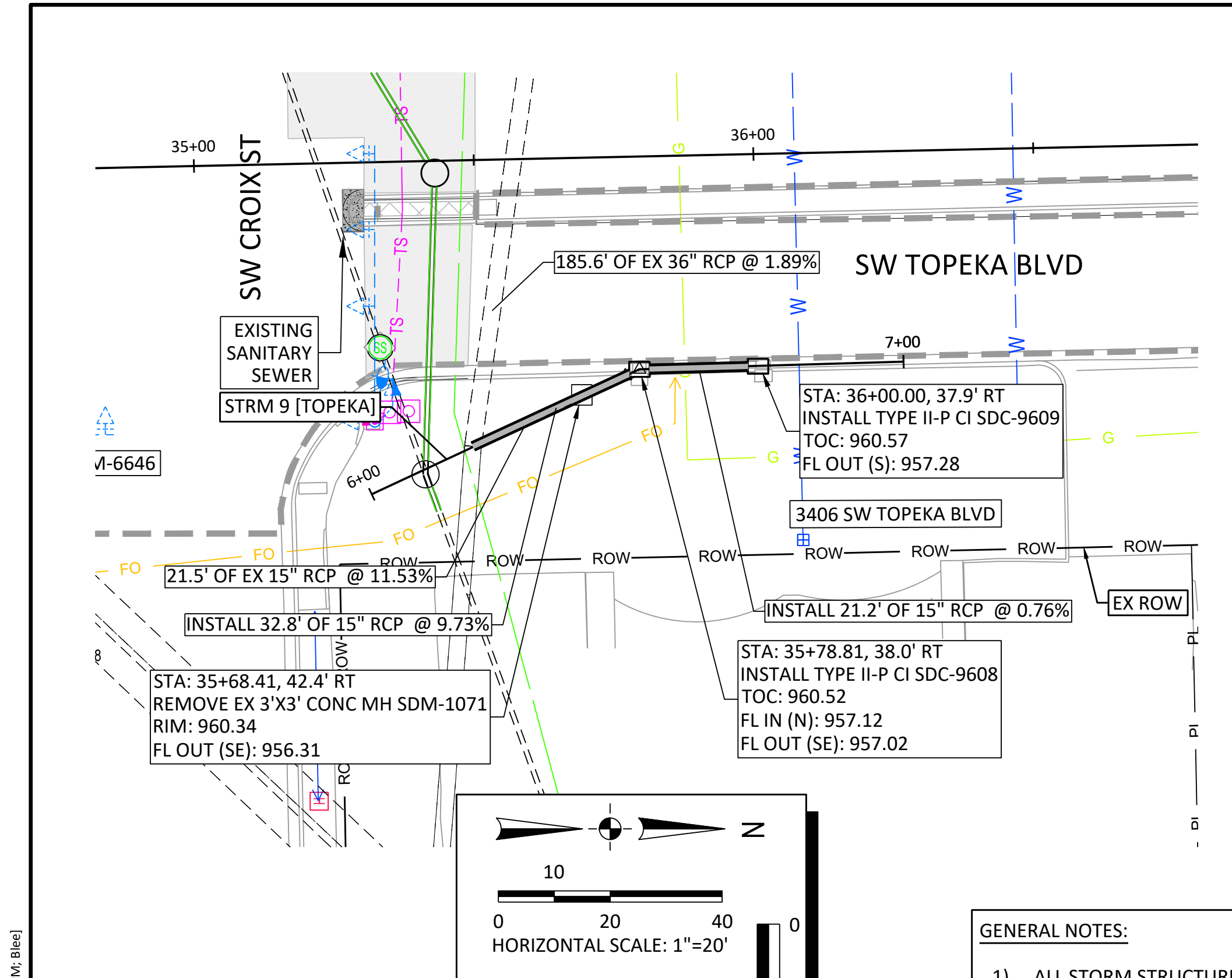
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TOPEKA BLVD
 IMPROVEMENTS:
 PROJECT #701038.00

STORM SEWER PLAN & PROFILE
 STORM ALIGNMENT 8

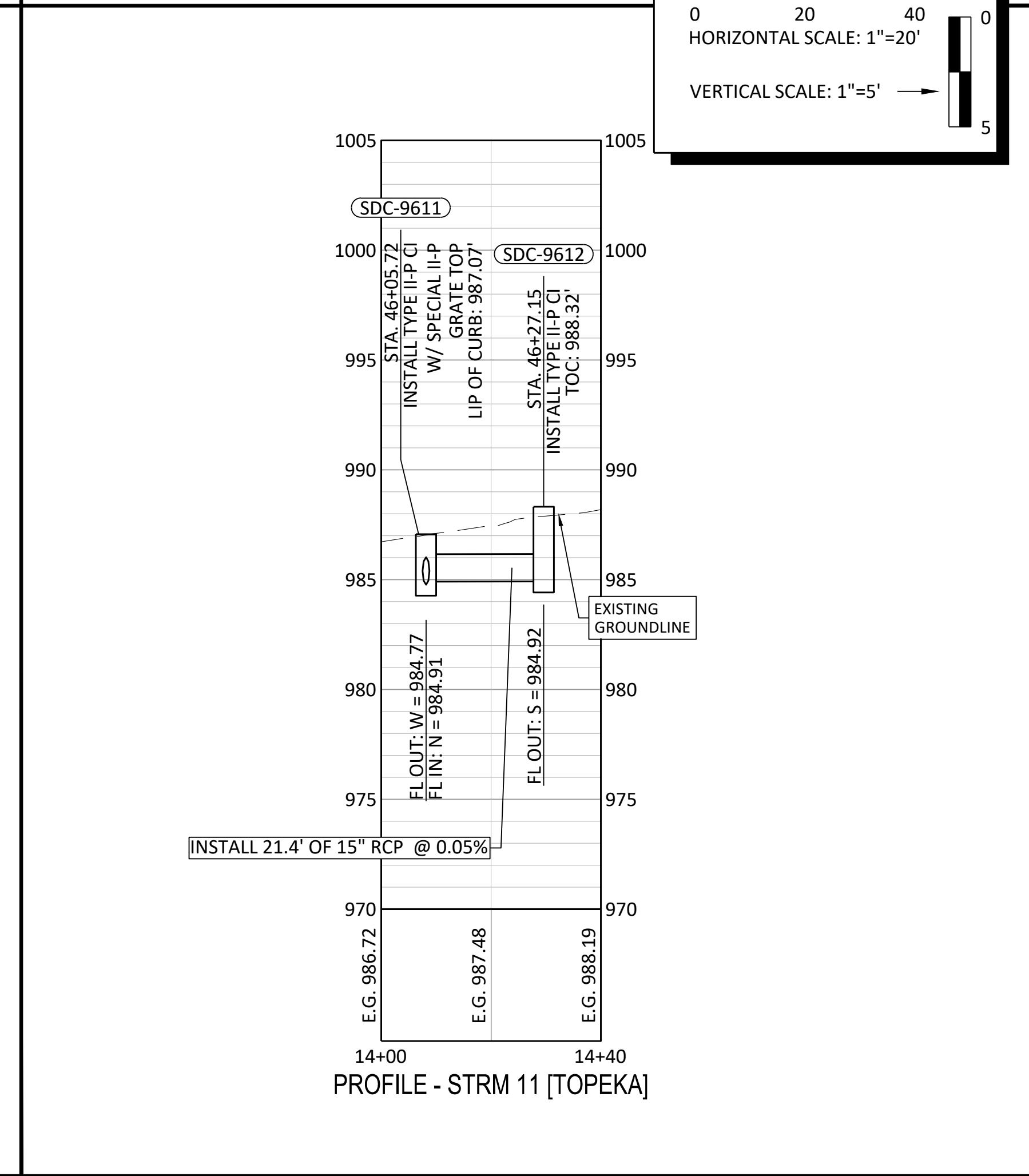
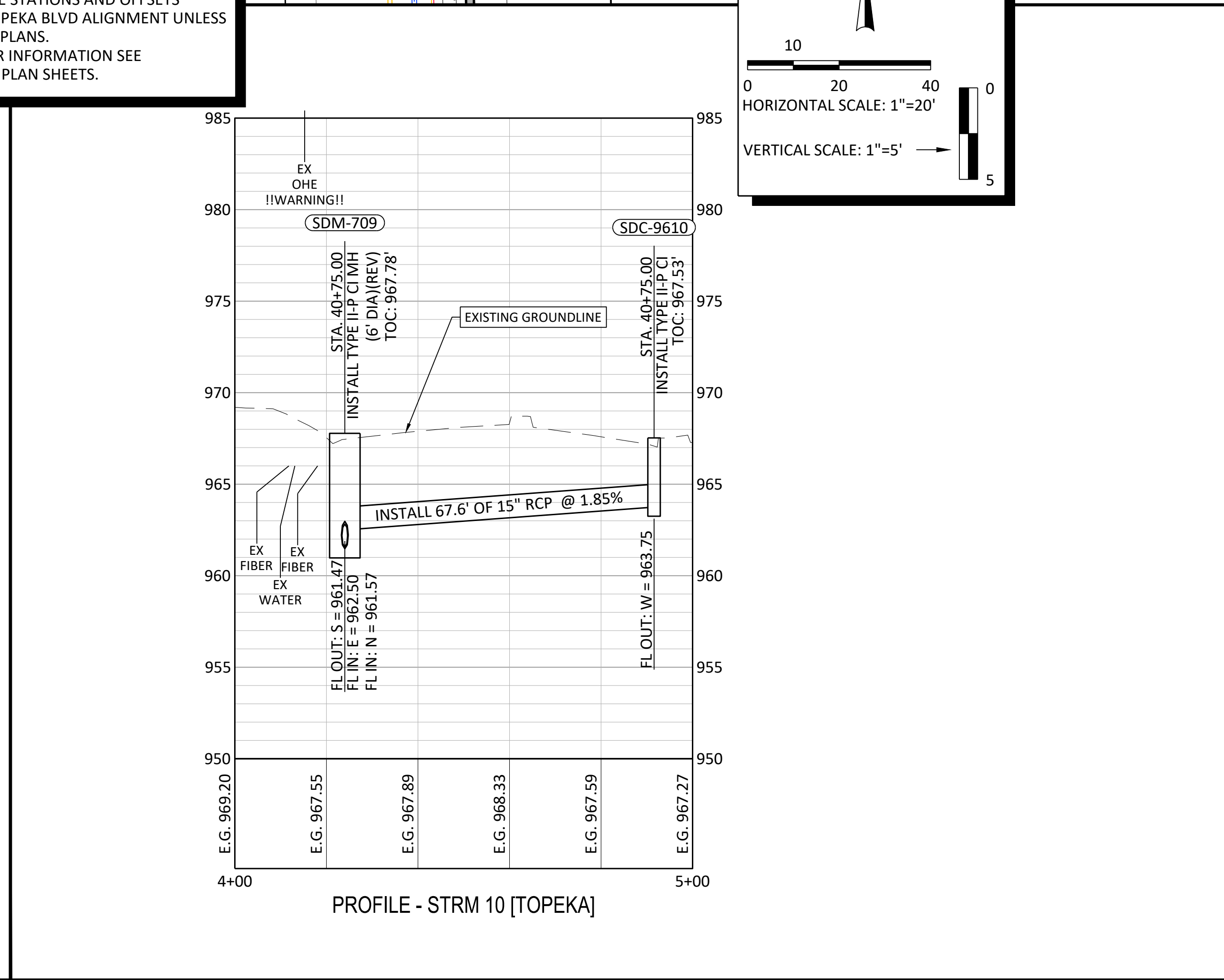
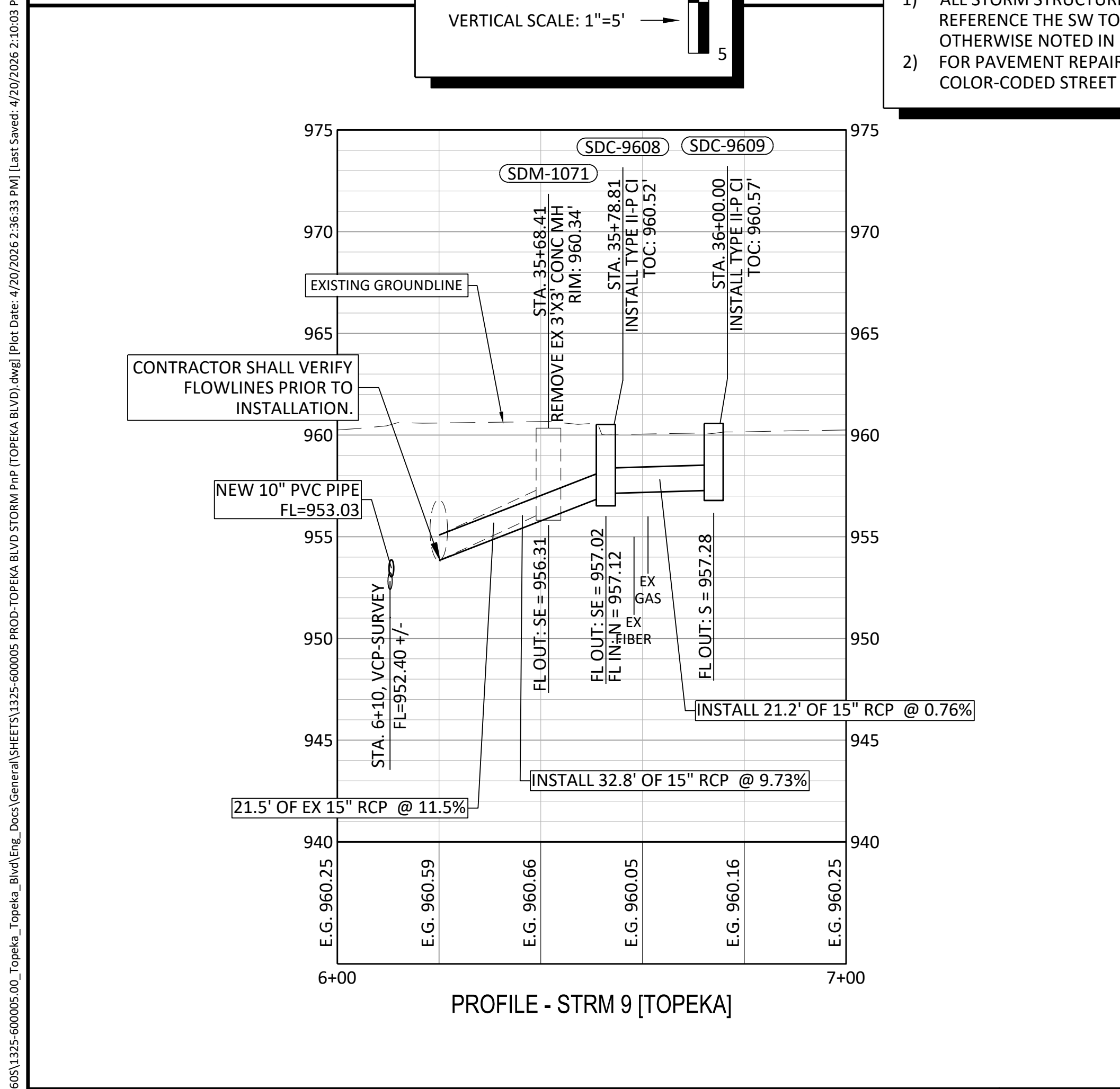
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 SHEET: 27 OF 122
 PROJ.: 701038.00

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GENERAL NOTES:

- 1) ALL STORM STRUCTURE STATIONS AND OFFSETS REFERENCE THE SW TOPEKA BLVD ALIGNMENT UNLESS OTHERWISE NOTED IN PLANS.
- 2) FOR PAVEMENT REPAIR INFORMATION SEE COLOR-CODED STREET PLAN SHEETS.



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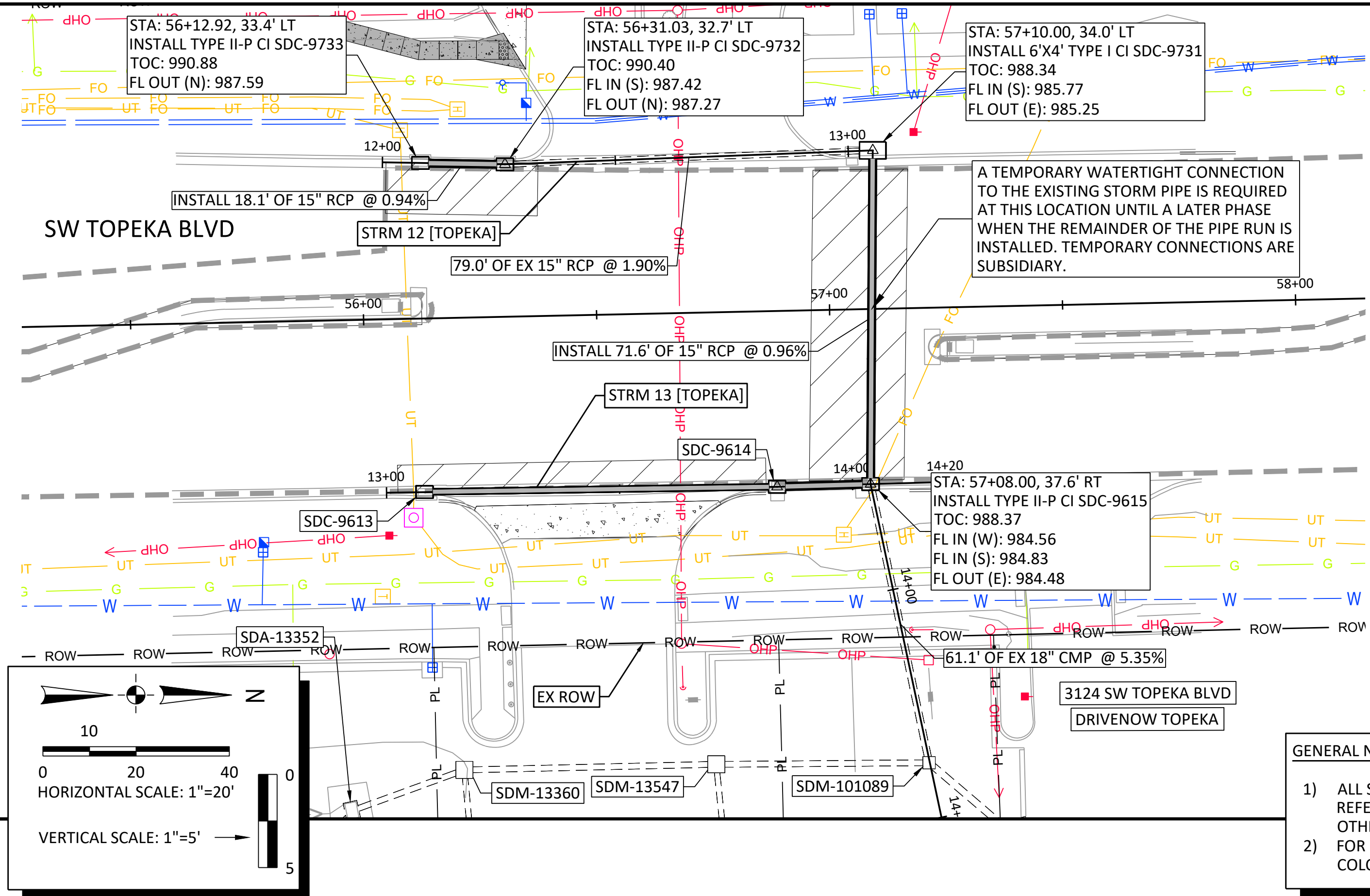
TOPEKA BLVD
 IMPROVEMENTS:
 PROJECT #701038.00

STORM SEWER PLAN & PROFILE
 STORM ALIGNMENT 9 THRU 11

DATE: APR 2026
 SHEET: 28 OF 122
 PROJ.: 701038.00

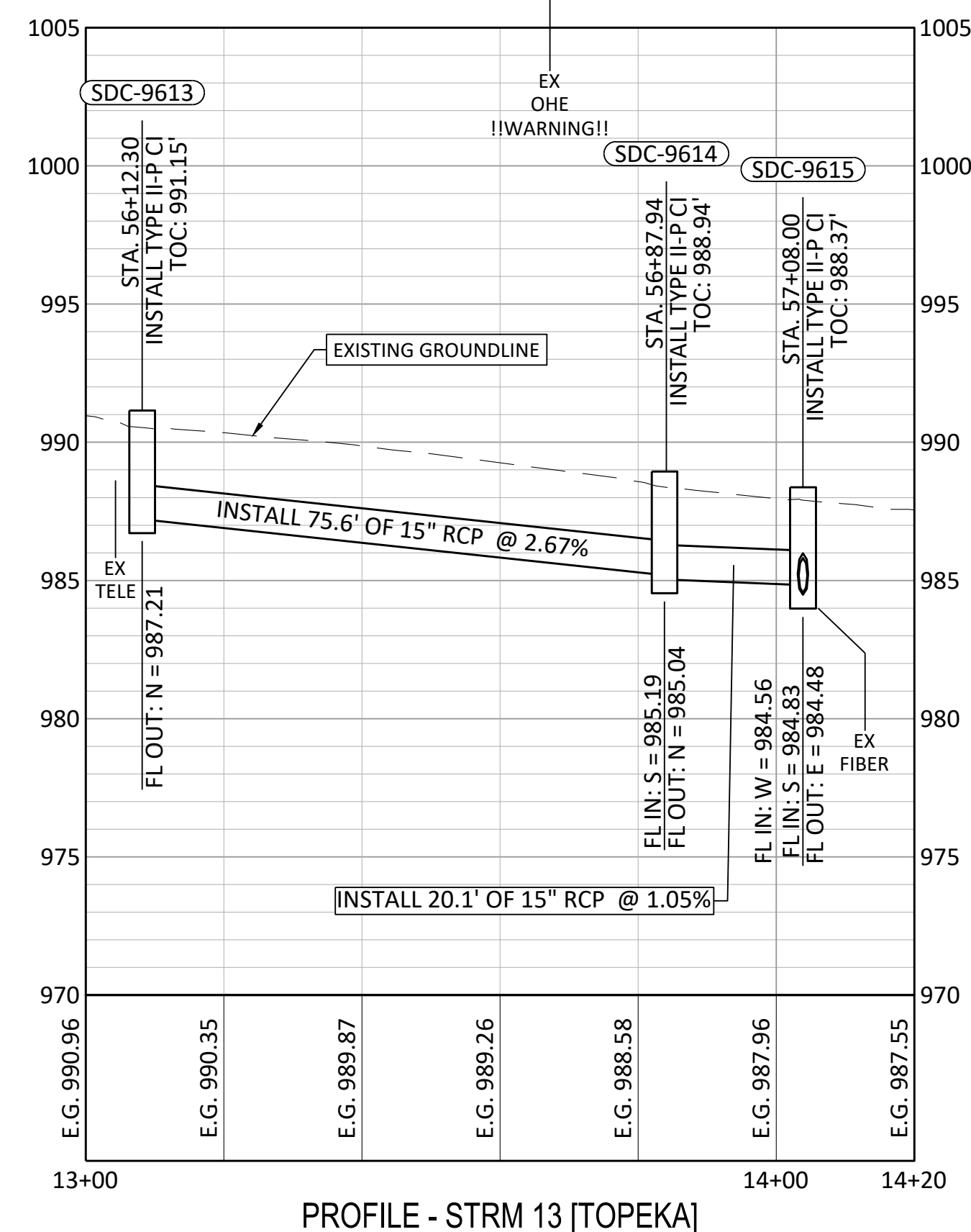
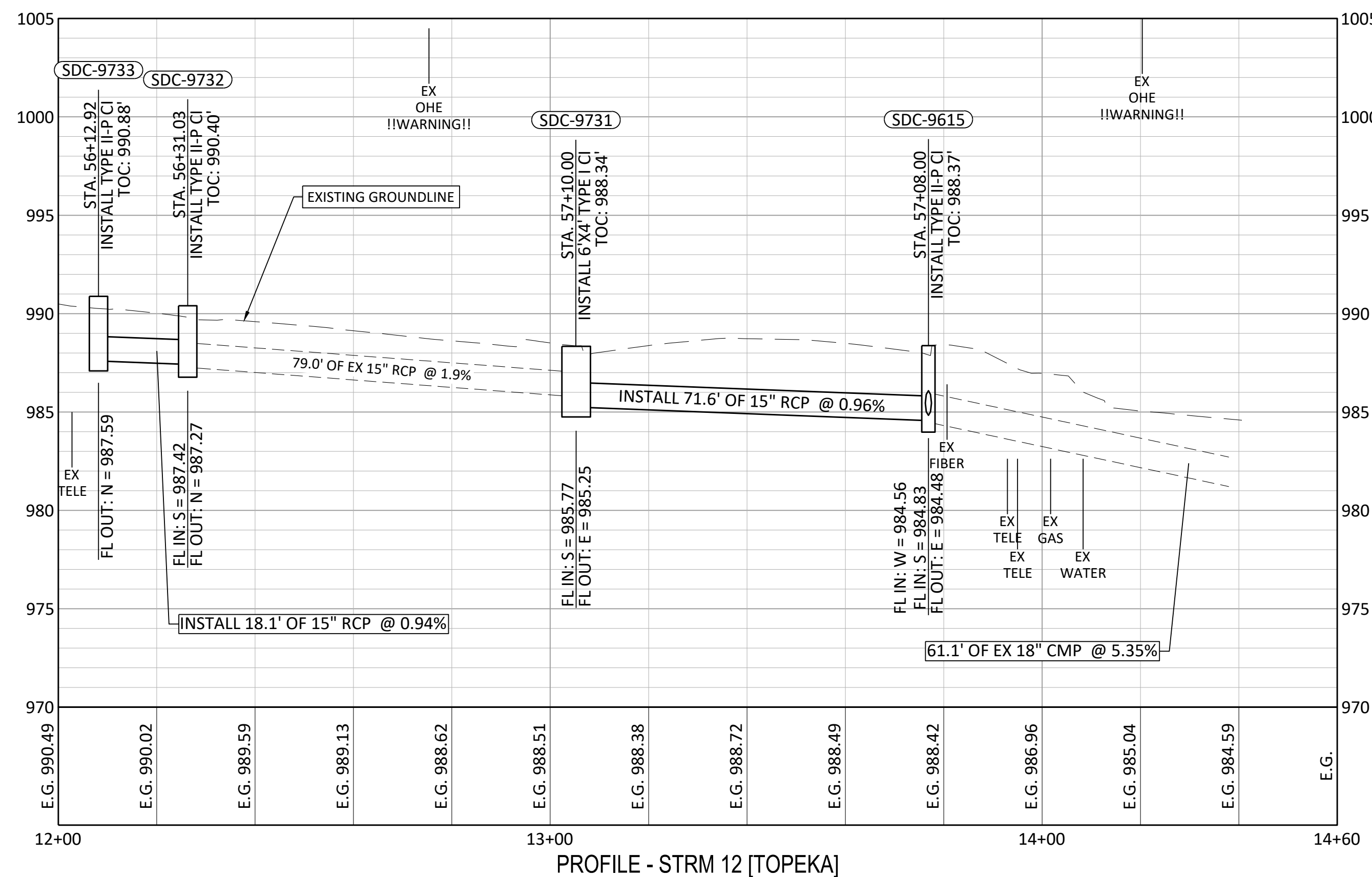
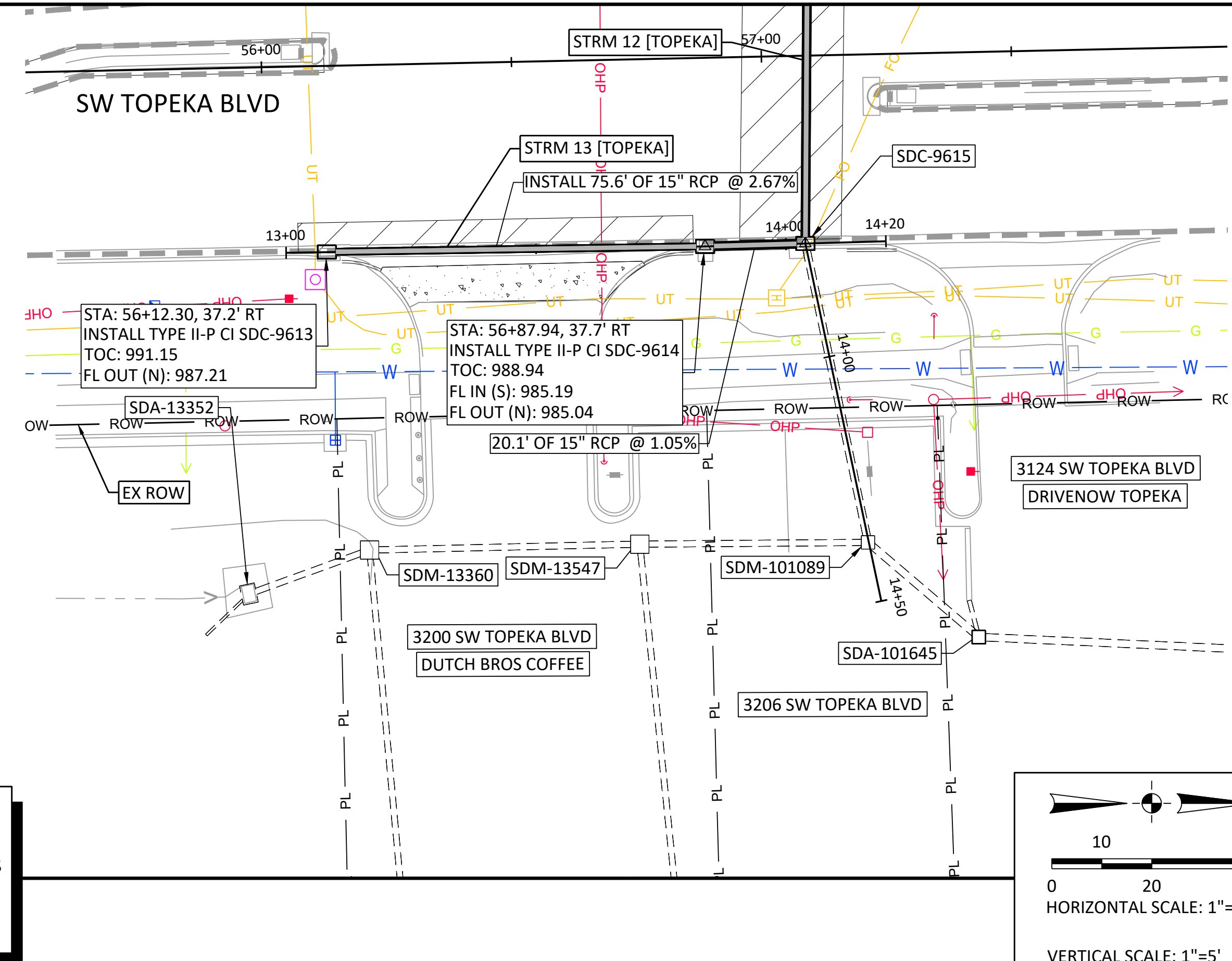
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GENERAL NOTES:

- 1) ALL STORM STRUCTURE STATIONS AND OFFSETS REFERENCE THE SW TOPEKA BLVD ALIGNMENT UNLESS OTHERWISE NOTED IN PLANS.
- 2) FOR PAVEMENT REPAIR INFORMATION SEE COLOR-CODED STREET PLAN SHEETS.



NO.	DATE:	REVISION	BY:	APPD

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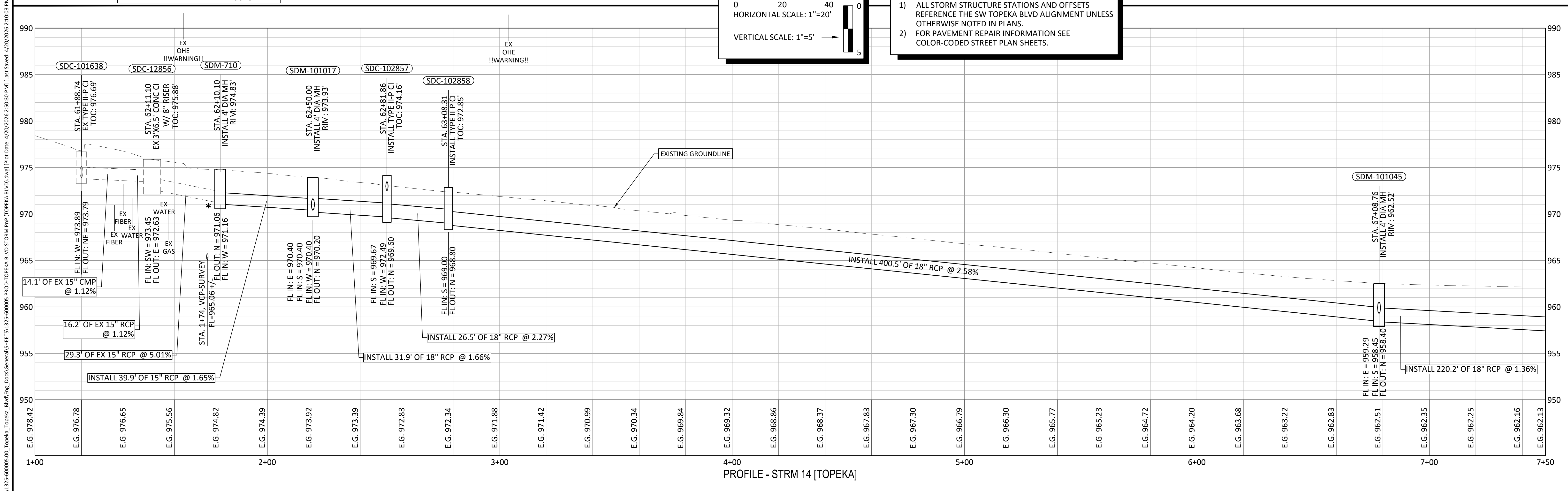
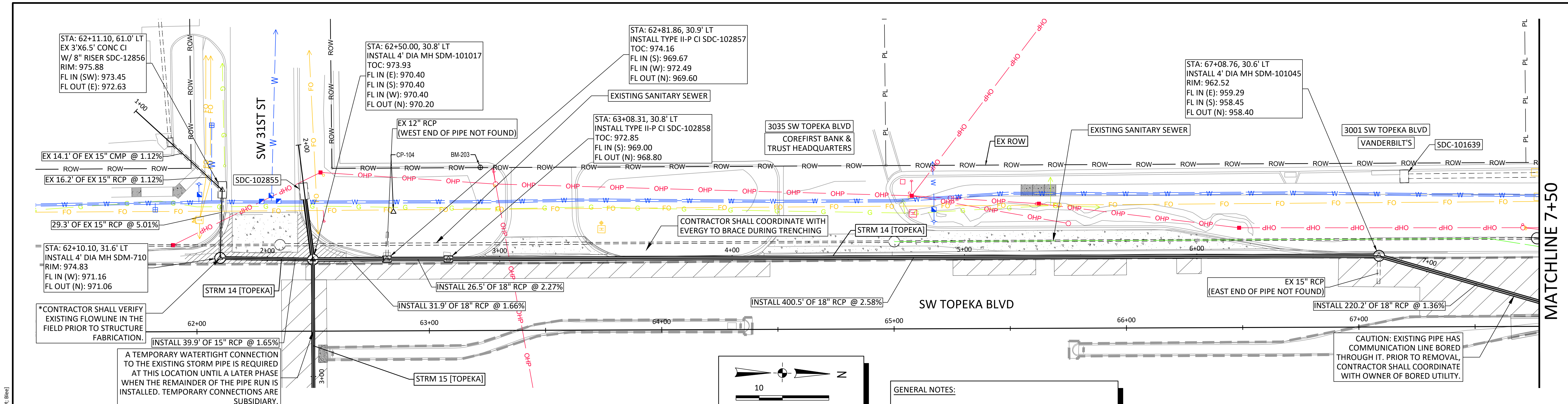
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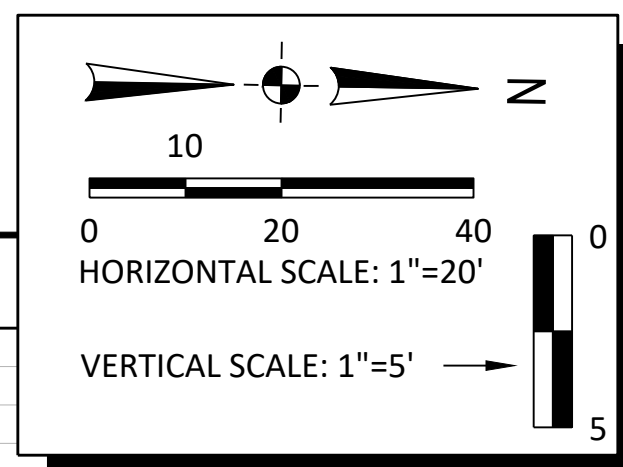
TOPEKA BLVD
 IMPROVEMENTS:
 PROJECT #701038.00

STORM SEWER PLAN & PROFILE
 STORM ALIGNMENT 12 & 13

DATE: APR 2026
 SHEET: 29 OF 122
 PROJ.: 701038.00



File Location: Y:\Kansas\132x-605\1325-60005-00_Topeka_Topeka_Bldg\Eng_Docs\General\Sheets\1325-60005-PRD-TOPEKA BLVD STORM PIP (TOPEKA BLVD).dwg | Plot Date: 4/20/2026 2:50:30 PM | User: Sweet - 4/20/2026 2:10:03 PM | Blee



- GENERAL NOTES:**
- 1) ALL STORM STRUCTURE STATIONS AND OFFSETS REFERENCE THE SW TOPEKA BLVD ALIGNMENT UNLESS OTHERWISE NOTED IN PLANS.
 - 2) FOR PAVEMENT REPAIR INFORMATION SEE COLOR-CODED STREET PLAN SHEETS.

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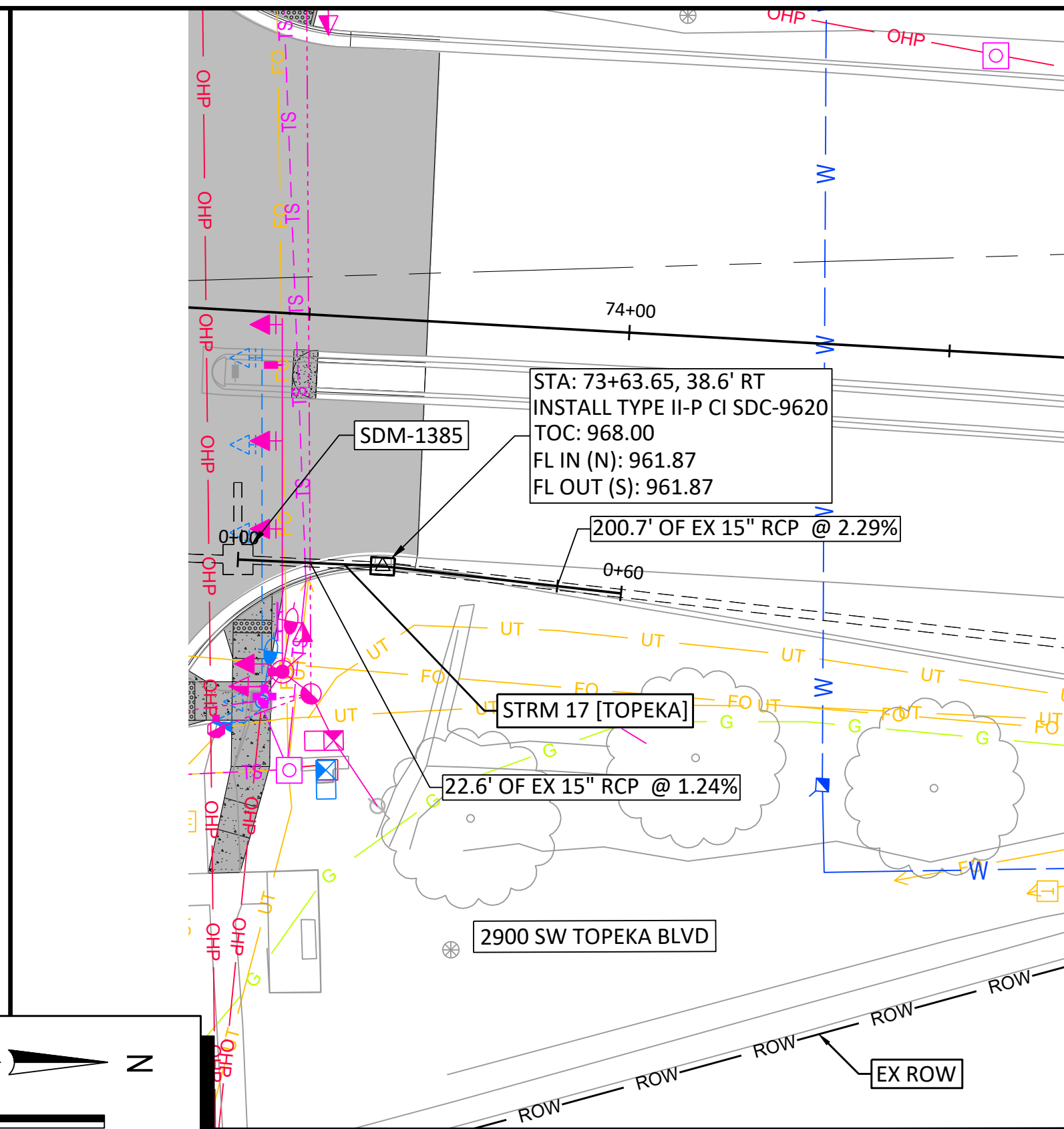
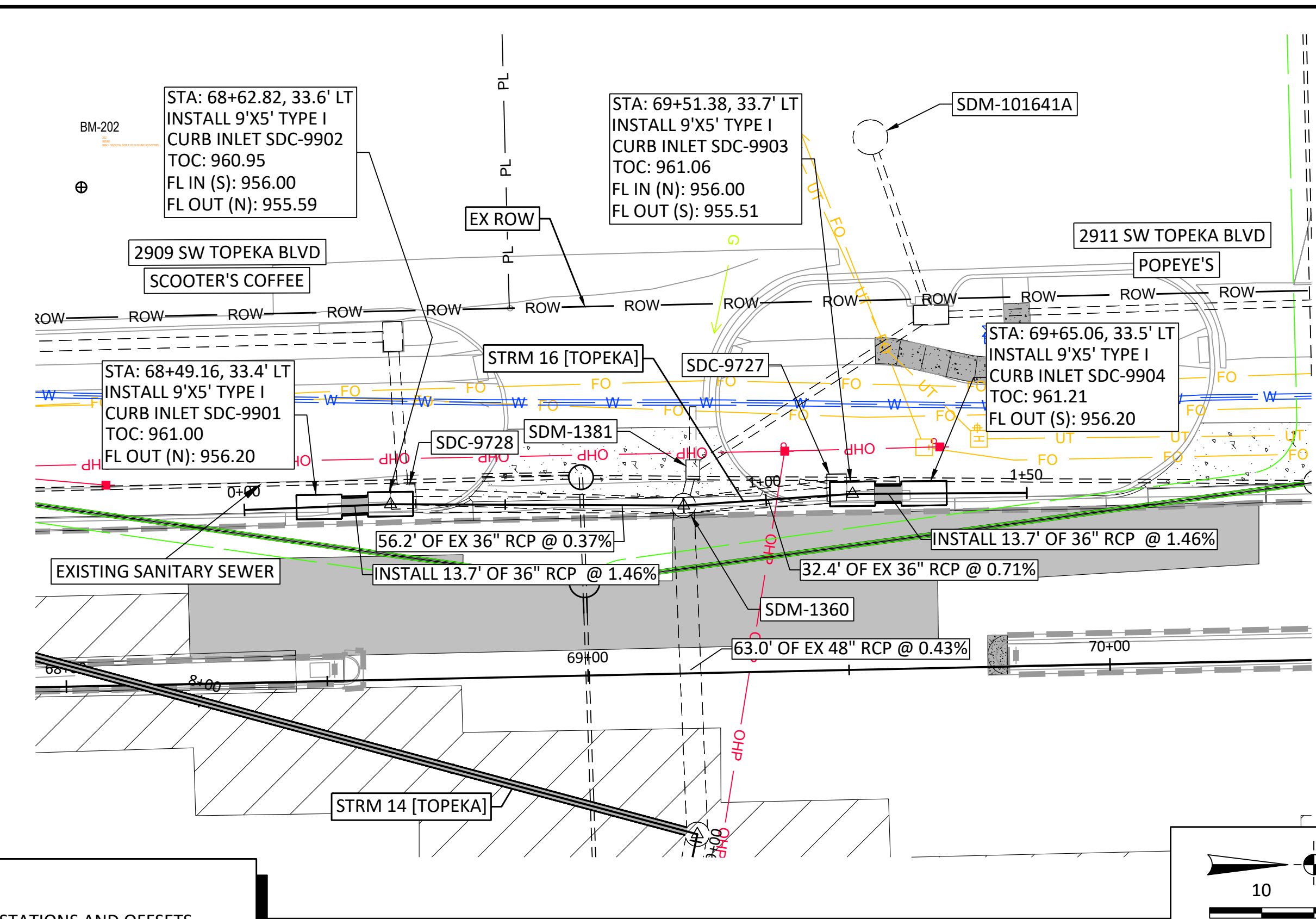
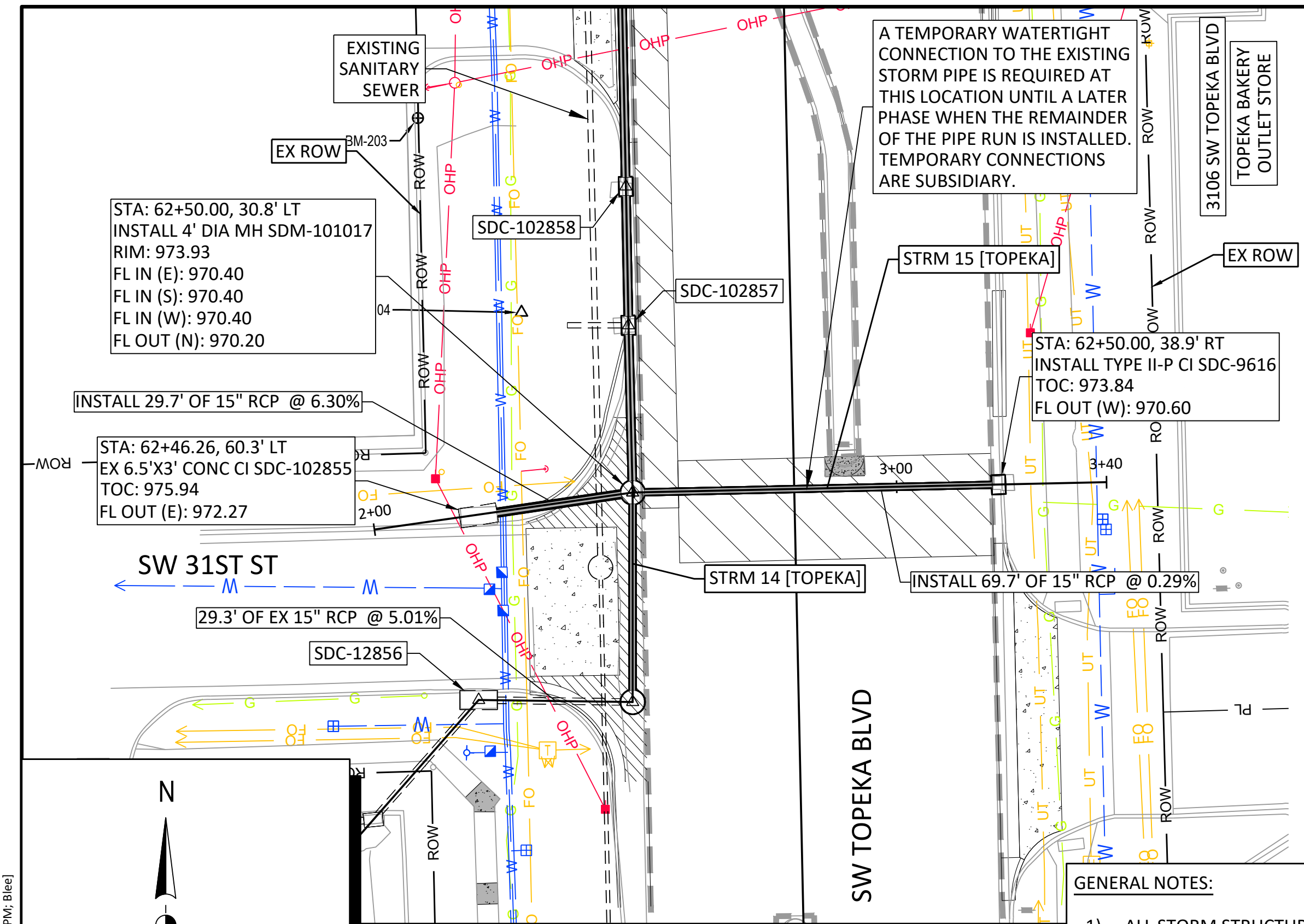
Alfred Benesch & Company
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TOPEKA BLVD
 IMPROVEMENTS:
 PROJECT #701038.00

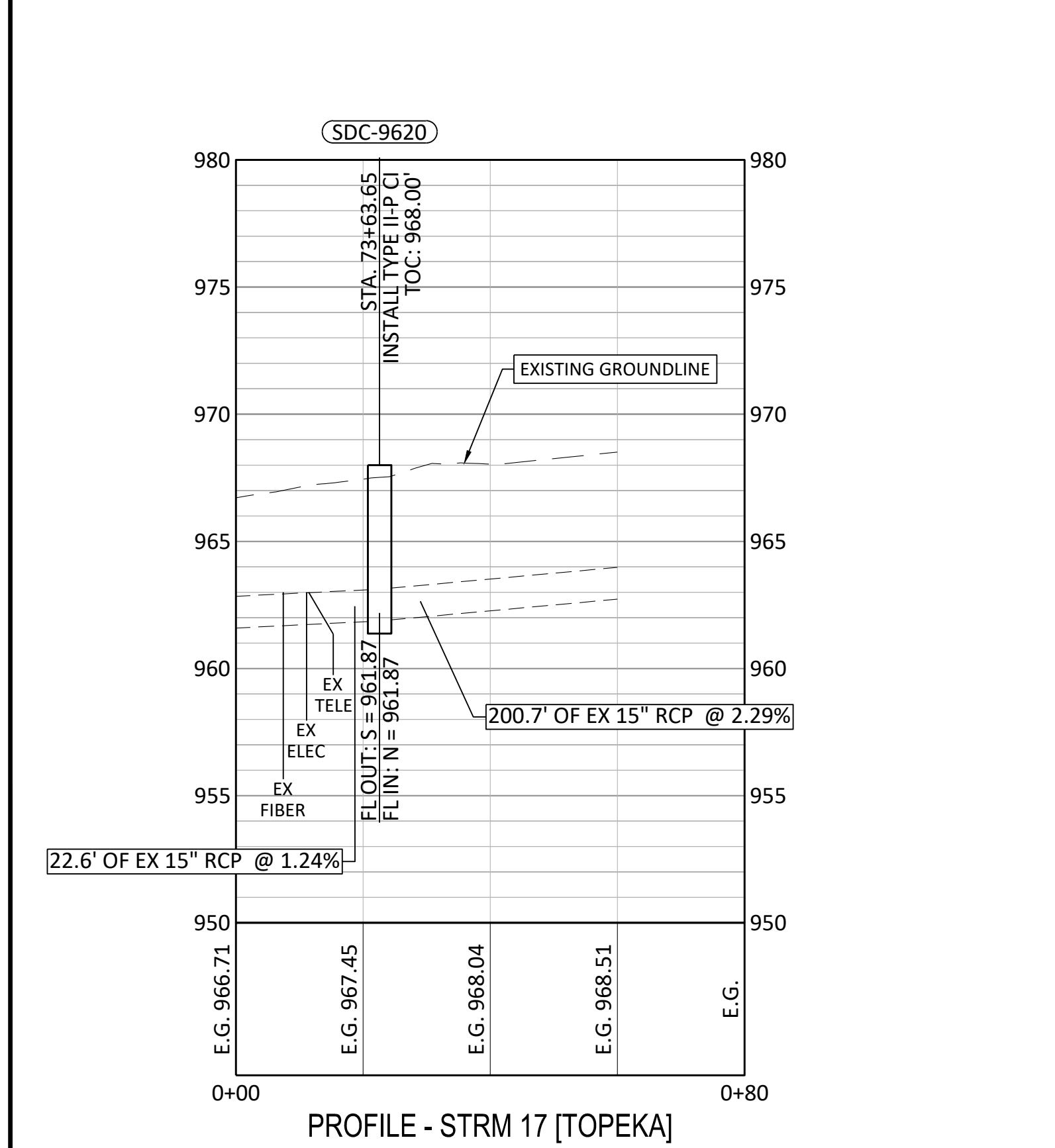
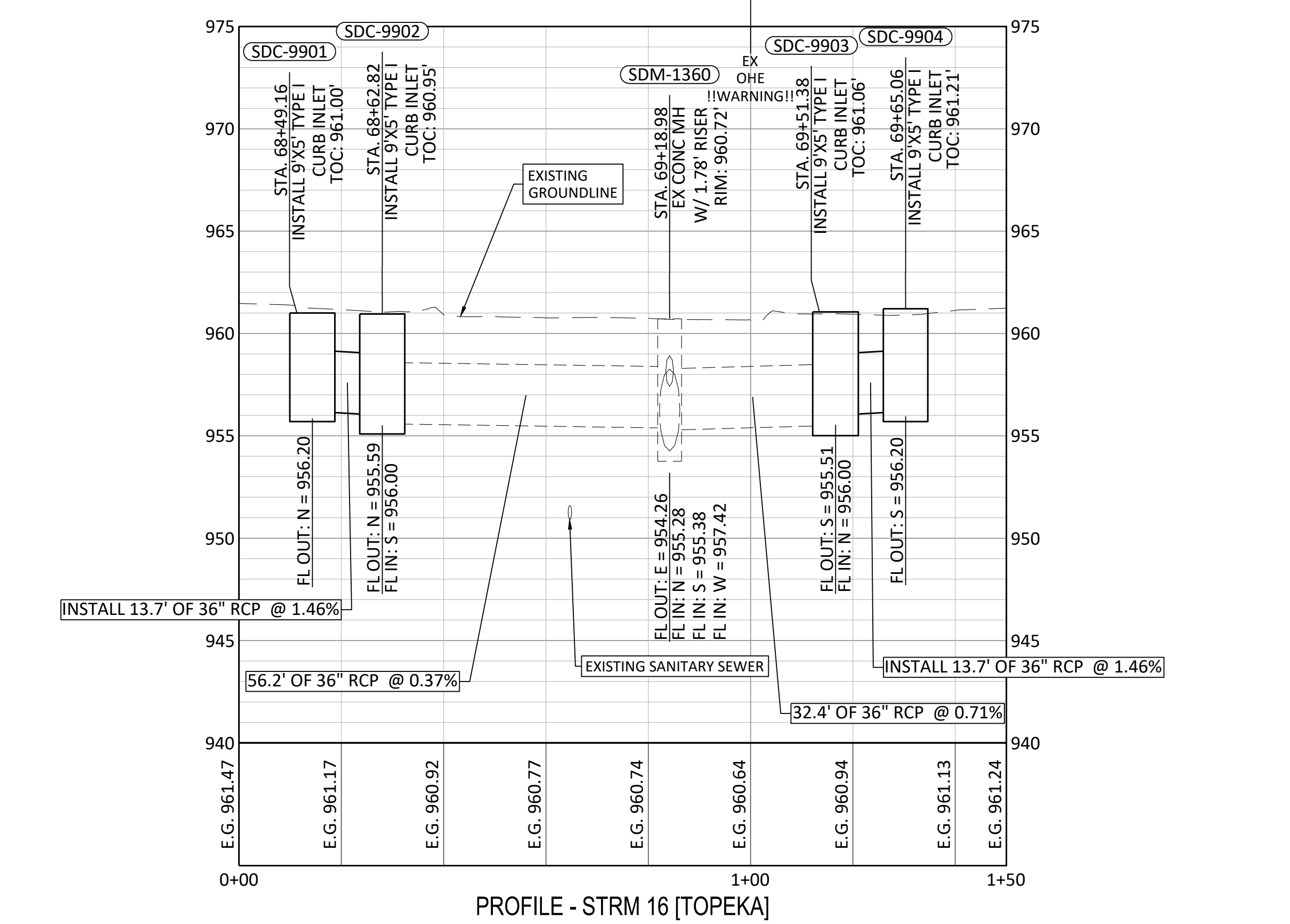
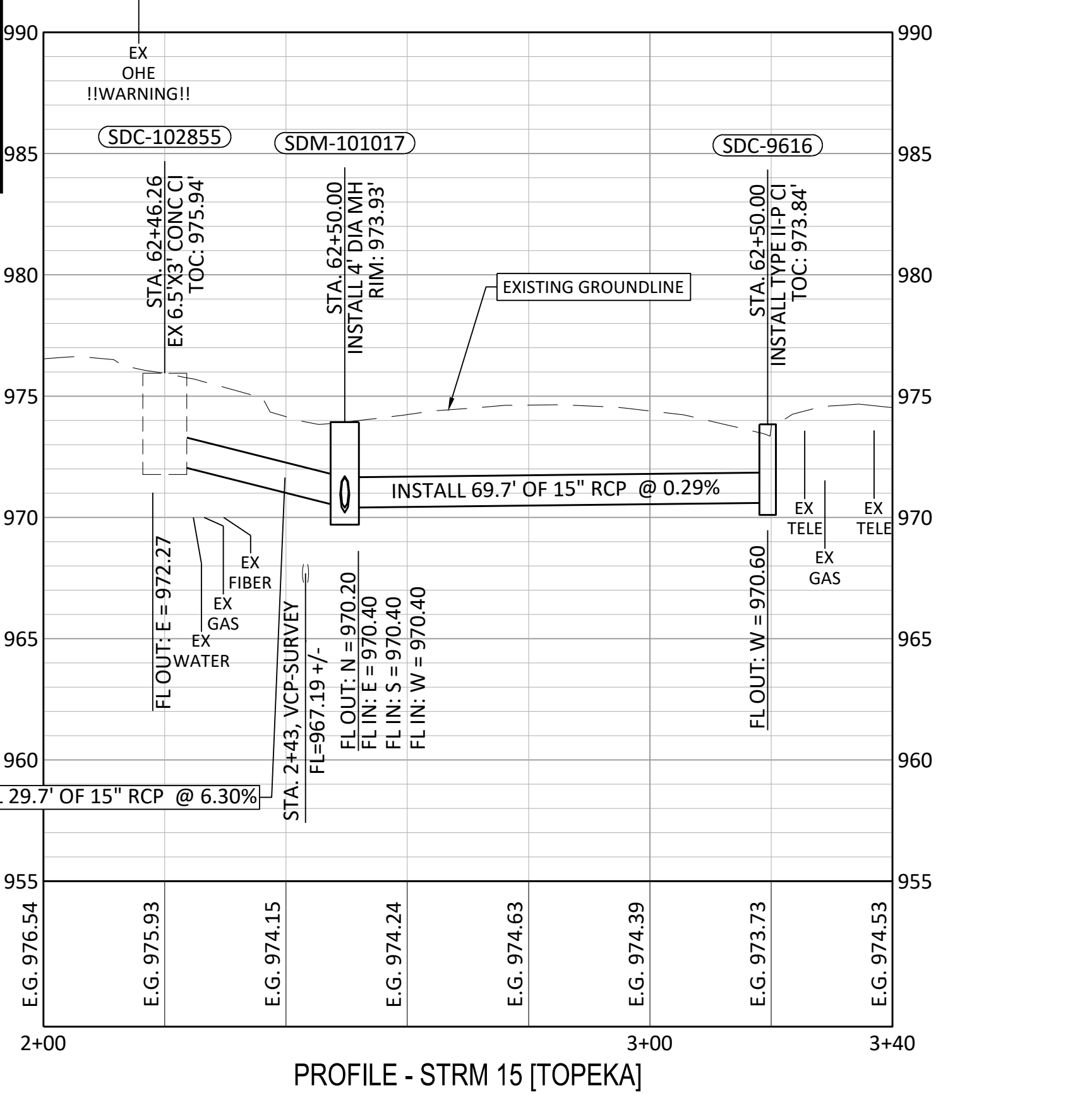
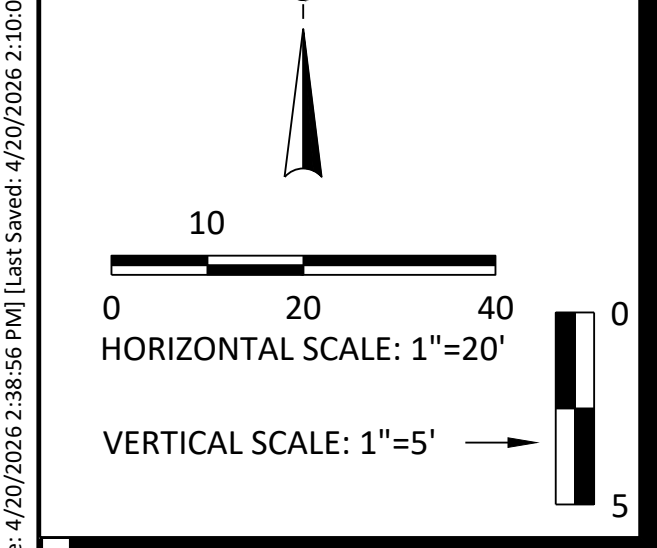
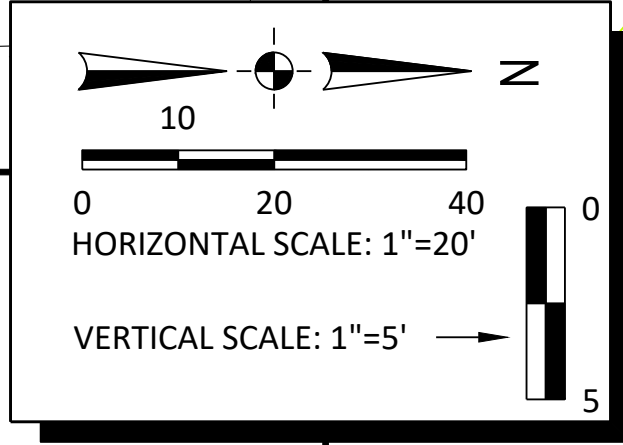
STORM SEWER PLAN & PROFILE
 STORM ALIGNMENT 14

DATE: APR 2026
 SHEET: 30 OF 122
 PROJ.: 701038.00



GENERAL NOTES:

- 1) ALL STORM STRUCTURE STATIONS AND OFFSETS REFERENCE THE SW TOPEKA BLVD ALIGNMENT UNLESS OTHERWISE NOTED IN PLANS.
- 2) FOR PAVEMENT REPAIR INFORMATION SEE COLOR-CODED STREET PLAN SHEETS.



NO.	DATE:	REVISION	BY:	APPD:

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TOPEKA BLVD
 IMPROVEMENTS:
 PROJECT #701038.00

STORM SEWER PLAN & PROFILE
 STORM ALIGNMENT 15 THRU 17

DATE: APR 2026
 SHEET: 32 OF 122
 PROJ.: 701038.00

I:\Kansas\132x605\1325-600005-00_Topeka_Bldg\Eng_Docs\General\Sheets\1325-600005-PROD-TOPEKA BLVD STORM PIP (TOPEKA BLVD).dwg | Plot Date: 4/20/2026 2:38:56 PM | User: Smet - 4/20/2026 2:10:03 PM | Blecj

GENERAL NOTES:

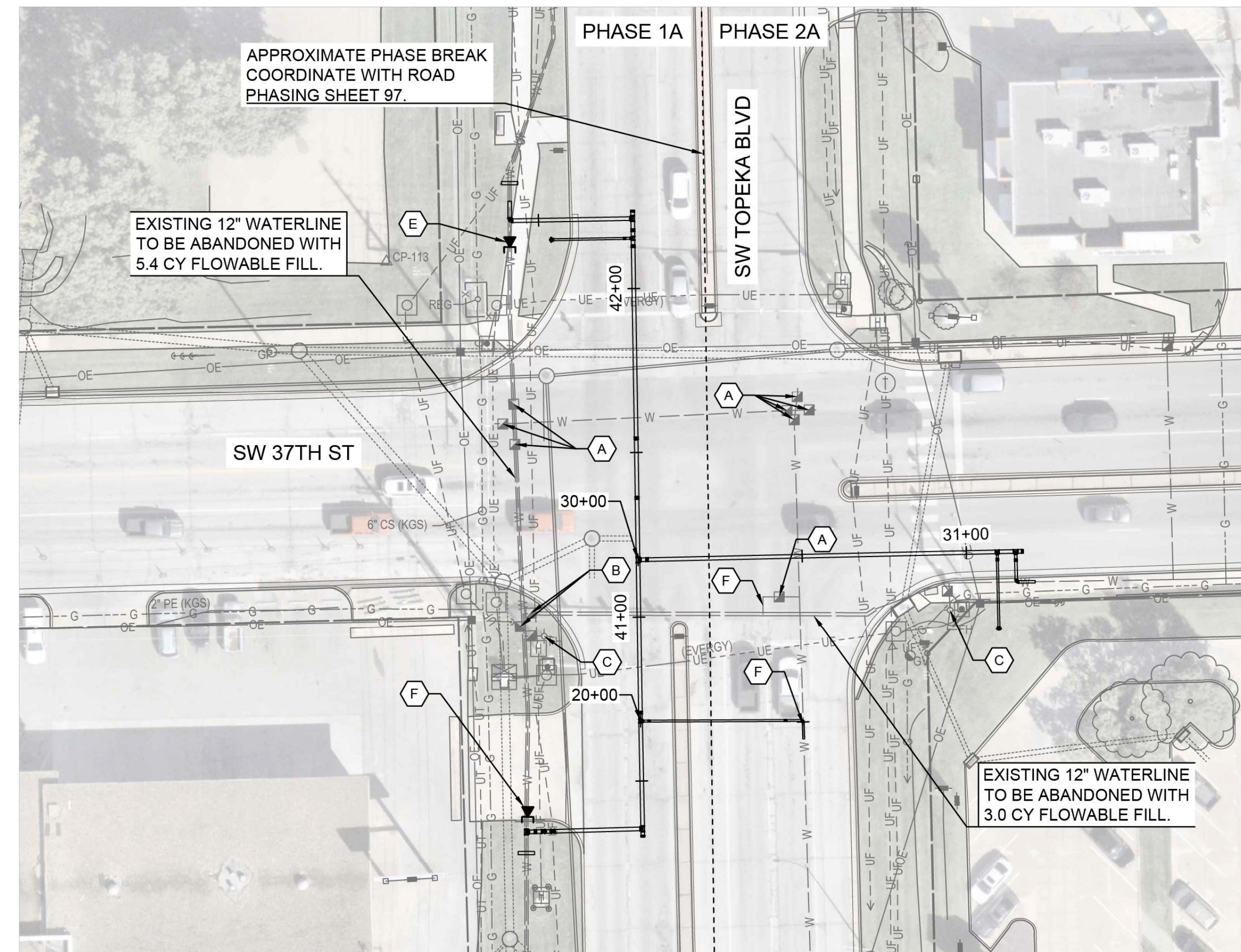
- ALL CONSTRUCTION METHODS AND MATERIAL USED IN THE CONSTRUCTION OF THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE IN ACCORDANCE WITH THE STANDARD TECHNICAL SPECIFICATIONS FOR THE CITY OF TOPEKA AS APPROVED UNDER PW007683 ON NOVEMBER 27, 2023.
- THE UTILITY INFORMATION SHOWN HEREIN IS BASED ON THE BEST INFORMATION AVAILABLE TO THE ENGINEER; HOWEVER, ALL UTILITIES ACTUALLY EXISTING MAY NOT BE SHOWN. THE CONTRACTOR SHALL VERIFY ALL UTILITY DEPTHS AND LOCATIONS PRIOR TO CONSTRUCTION, AND COORDINATE ANY NECESSARY RELOCATIONS. UTILITIES DAMAGED THROUGH THE NEGLIGENCE OF THE CONTRACTOR TO OBTAIN THE LOCATION OF SAME SHALL BE REPAIRED AND REPLACED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE PROJECT.
- UTILITY DEPTH INFORMATION, WHEN INDICATED, WAS OBTAINED FROM A VARIETY OF SOURCES, INCLUDING VALVE NUT DEPTH AND SEWER INVERTS AT MANHOLES. THIS INFORMATION IS PROVIDED FOR THE CONTRACTORS USE. HOWEVER, THE ACCURACY OF THE INFORMATION IS NOT GUARANTEED. THE CONTRACTOR SHALL VERIFY ALL UTILITY DEPTHS AND REPORT ANY CHANGE IN THE HORIZONTAL OR VERTICAL ALIGNMENT NECESSITATED BY THESE CHANGES TO THE ENGINEER PRIOR TO INSTALLATION OF THE WATERLINE.
- ONLY AUTHORIZED EMPLOYEES OF THE CITY OF TOPEKA, UTILITIES DEPARTMENT SHALL OPERATE EXISTING SYSTEM VALVES.
- THE CONTRACTOR SHALL NOTIFY ALL LANDOWNERS IN WRITING AT LEAST ONE (1) WEEK PRIOR TO ANY CONSTRUCTION ACTIVITIES WHICH WOULD TAKE PLACE ADJACENT TO THEIR PROPERTY. INDIVIDUAL DETAILED NOTICES OF ACCESS RESTRICTIONS SHALL BE HAND DELIVERED FORTY EIGHT (48) HOURS PRIOR TO CONSTRUCTION. NOTICE SHALL BE GIVEN THE DAY BEFORE TO ANY WATER CUSTOMER PRIOR TO INTERRUPTION OF SERVICE TO MAKE CONNECTIONS.
- WHERE EXISTING UTILITIES AND SERVICE LINES ARE TO BE ENCOUNTERED, THE OWNER THEREOF SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 48 HOURS IN ADVANCE OF PERFORMING ANY WORK IN THE VICINITY.
- THE CONTRACTOR SHALL INSTALL THE PROPOSED WATERLINES WITHOUT DISRUPTION OF WATER SERVICE TO CUSTOMERS UNTIL CONNECTIONS TO THE PROPOSED WATERLINES ARE READY TO BE MADE. ONCE SERVICE TO CUSTOMERS HAS BEEN INTERRUPTED, THE CONTRACTOR SHALL WORK CONTINUOUSLY UNTIL SERVICE IS RESTORED.
- UTILITIES EXPOSED DURING CONSTRUCTION SHALL BE ADEQUATELY SUPPORTED BY THE CONTRACTOR TO PREVENT THE CONDUITS/LINES FROM SAGGING AND PUTTING STRESS ON ANY JOINTS.
- CONTRACTOR IS RESPONSIBLE FOR THE HORIZONTAL AND VERTICAL LOCATION OF SANITARY SEWER SERVICES THAT THE NEW WATER MAIN CROSSES.
- THE CONTRACTOR SHALL MAINTAIN DRAINAGE DURING CONSTRUCTION AND IS RESPONSIBLE FOR ANY DEWATERING NECESSARY DURING CONSTRUCTION.
- THE CONTRACTOR SHALL BORE ALL SERVICE LINES (2" AND SMALLER) CROSSING STREETS. NO OPEN CUTS ACROSS STREETS SHALL BE MADE FOR SERVICE LINE INSTALLATION UNLESS SPECIFICALLY INDICATED. BORING OF SERVICE LINES SHALL BE CONSIDERED SUBSIDIARY TO THE APPROPRIATE SERVICE LINE INSTALLATION BID ITEM.
- THE CONTRACTOR SHALL INSTALL WATERLINE 12" AND SMALLER WITH A 42" MINIMUM COVER OR AS INDICATED ON THE PLANS.
- EXISTING WATER SERVICES IN CONFLICT WITH THE NEW METER LINE WILL BE TEMPORARILY REPAIRED AND RELOCATED. THIS WORK IS CONSIDERED SUBSIDIARY TO THE APPROPRIATE BID ITEM FOR WATERLINE INSTALLATION.
- FITTINGS NOT SHOWN ON THE DRAWINGS THAT ARE NECESSARY FOR TRANSITIONING FROM OPEN CUT TRENCH INSTALLED PIPE TO HD-D INSTALLED PIPE SHALL BE CONSIDERED SUBSIDIARY TO THE APPROPRIATE BID ITEM FOR WATERLINE INSTALLATION.
- FITTINGS NOT SHOWN ON THE DRAWINGS THAT ARE NECESSARY FOR TRANSITIONING FROM PVC PIPE TO RJ PVC PIPE SHALL BE CONSIDERED SUBSIDIARY TO THE APPROPRIATE BID ITEM FOR WATERLINE INSTALLATION.
- A CONTIGUOUS PIECE OF PIPE SHALL BE INSTALLED BETWEEN FITTINGS WITH A SEPARATION OF LESS THAN OR EQUAL TO 20 FEET.
- THE CONTRACTOR SHALL SALVAGE ALL OLD WATER METERS TO THE CITY. THE CONTRACTOR SHALL WORK WITH THE CITY INSPECTOR TO DETERMINE IF NEWER PLASTIC WATER PITS SHOULD BE SALVAGED TO THE CITY.
- THE CITY SHALL HAVE THE FIRST RIGHT OF REFUSAL FOR ALL FIRE HYDRANTS AND VALVES THAT ARE REMOVED AS A PART OF THE ABANDONMENT OF THE EXISTING SYSTEM.
- ALL BYPASS PUMPING REQUIRED FOR SANITARY SEWER INSTALLATION FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE CITY OF TOPEKA STANDARDS SANITARY SEWER SPECIFICATIONS SECTION 9, AS SUPPLEMENTED BY TECHNICAL SPECIFICATION SECTION 33 01 30.

WATERLINE PHASING - 37TH STREET:

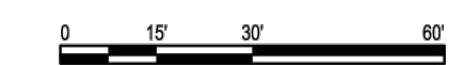
- INSTALL WATERLINE BETWEEN STATION 40+00 AND 42+58. INSTALL EAST VALVES AT TEES AT STATIONS 20+00 AND 30+00.
 - COORDINATE WATERLINE INSTALLATION WITH TRAFFIC SIGNAL REPLACEMENTS, STORM WATER IMPROVEMENTS, AND PAVING IMPROVEMENTS.
 - PRESSURE TEST, DISINFECT, AND CHLORINATE INSTALLED WATERLINE.
 - FOLLOWING THE INSTALLATION, TESTING, CHLORINATION, AND ACCEPTANCE OF WATERLINE BETWEEN STATIONS 40+00 TO 42+58, THE CONTRACTOR SHALL CAP THE EXISTING WATERLINE AT STATION 42+58.
- INSTALL WATERLINE EAST FROM VALVES AT STATION 20+00 AND 30+00 TO CENTER OF MEDIAN IN ACCORDANCE WITH THE ROAD PHASING AND TRAFFIC CONTROL PLANS.
- INSTALL THE REMAINDER OF THE WATERLINE EAST OF STATION 20+00. UTILIZE THE SERVICE SADDLE AND CORP FOR TESTING, DISINFECTING, AND FLUSHING IN ACCORDANCE WITH CITY REQUIREMENTS.
- INSTALL REMAINDER OF WATERLINE EAST OF STATION 30+00. INSTALL THE REMAINDER OF THE WATERLINE EAST OF STATION 20+00. UTILIZE NEW FIRE HYDRANT ON NORTHWEST CORNER OF 37TH AND TOPEKA BLVD FOR TESTING, DISINFECTING, AND FLUSHING. INSTALL THE FIRE HYDRANT AT STATION 31+09 AFTER TESTING, DISINFECTING, AND FLUSHING IS COMPLETE AND ACCEPTED.
- ABANDON THE EXISTING 12" N/S MAIN WITH FLOWABLE FILL BEFORE INSTALLING THE CAP NORTH OF THE TAPPING SLEEVE AT STATION 40+00.
- ABANDON THE REMAINDER OF THE WATERLINE PER THE PLAN NOTES.

WATERLINE PHASING - 29TH STREET (SEE SHEET 33):

- INSTALL WATERLINE BETWEEN STATION 10+00 AND STATION 11+60. INSTALLING UP TO THE SOUTH VALVE ON THE TEE.
 - INSTALL WATERLINE UP TO THE MEDIAN, AND CAP THE WATERLINE WHILE TRAFFIC IS SHIFTED TO THE OPPOSITE SIDE OF THE ROAD. COORDINATE EFFORTS WITH PAVING, STORM WATER, AND TRAFFIC CONTROL.
- PRESSURE TEST, DISINFECT, AND FLUSH THE WATERLINE IN ACCORDANCE WITH CITY STANDARDS.
- INSTALL REMAINDER OF THE WATERLINE SOUTH OF THE VALVE AND CONNECT TO THE EXISTING 12" WATERLINE WITH 12" 90°. INSTALL THE PLUG ON THE TEE AT 11+60. INSTALL CAP ON TAPPING SLEEVE AT 10+00.
- ABANDON THE REMAINDER OF THE WATERLINE PER THE PLAN NOTES.



WATERLINE PHASING & ABANDONMENT PLAN-37TH STREET



KEY NOTES:

- (A)** CLOSE VALVE, REMOVE VALVE BOX, AND FILL WITH CONCRETE TO THE SURFACE (SUBSIDIARY)
- (B)** CLOSE VALVE AND REMOVE VALVE BOX (SUBSIDIARY)
- (C)** REMOVE FIRE HYDRANT AND/OR VALVE AND SALVAGE TO CITY (SUBSIDIARY)
- (D)** NOT USED THIS SHEET
- (E)** FOLLOWING INSTALLATION, TESTING, CHLORINATION, AND ACCEPTANCE OF THE WATERLINE BETWEEN STATIONS 40+00 TO 42+58. THE CONTRACTOR SHALL CAP THE EXISTING WATERLINE.
- (F)** FOLLOWING THE INSTALLATION, TESTING, CHLORINATION, AND ACCEPTANCE OF ALL OF THE WATERLINE IN THE INTERSECTION AT 37TH THE CONTRACTOR SHALL CAP AND BLOCK THE EXISTING WATERLINE.
- (G)** NOT USED THIS SHEET
- (H)** NOT USED THIS SHEET
- (I)** NOT USED THIS SHEET

WATERLINE			
No.	ITEM	QUANTITY	UNIT
1	12" RJ PVC WATERLINE, PC 235	557	LF
2	8" RJ PVC WATERLINE, PC 235	15	LF
3	6" RJ PVC WATERLINE, PC 235	103	LF
4	12"x12" TEE	4	EA
5	12"x8" TEE	1	EA
6	12"x6" TEE	3	EA
7	12" 90° BEND	2	EA
8	12" 45° BEND	2	EA
9	12" 45° VERTICAL BEND (TOP)	1	EA
10	12" 45° VERTICAL BEND (BOTTOM)	1	EA
11	12" 11.25° VERTICAL BEND (TOP)	1	EA
12	12" 11.25° VERTICAL BEND (BOTTOM)	2	EA
13	8" 90° BEND	1	EA
14	6" 90° BEND	1	EA
15	6" 22.5° VERTICAL BEND (TOP)	1	EA
16	12" CAP	2	EA
17	6" CAP	2	EA
18	12" PLUG	4	EA
19	12" SWIVEL X SOLID ADAPTER	6	EA
20	8" SWIVEL X SOLID ADAPTER	1	EA
21	6" SWIVEL X SOLID ADAPTER	3	EA
22	12" RESTRAINED COUPLING	2	EA
23	8" RESTRAINED COUPLING	1	EA
24	6" RESTRAINED COUPLING	1	EA
25	12"x12" TAPPING SLEEVE	2	EA
26	12" GATE VALVE AND BOX	6	EA
27	8" GATE VALVE AND BOX	1	EA
28	6" GATE VALVE AND BOX	3	EA
29	FIRE HYDRANT	2	EA
30	FIRE HYDRANT ADDITIONAL BURY DEPTH	11	VF
31	12" THRUST COLLAR ON EXISTING	4	EA
32	8" THRUST COLLAR ON EXISTING	1	EA
33	6" THRUST COLLAR ON EXISTING	1	EA
34	MAKE CONNECTION TO 12" CI WATERLINE; STA 11+72	1	LS
35	MAKE CONNECTION TO 12" CI WATERLINE; STA 42+58	1	LS
36	MAKE CONNECTION TO 8" CI WATERLINE; STA 31+24	1	LS
37	MAKE CONNECTION TO 6" CI WATERLINE; STA 20+49	1	LS
38	1 1/2" SERVICE LINE	59	LF
39	12"x1 1/2" TAPPING SADDLE AND CORP STOP	1	EA
40	INSTALL 1 1/2" METER (OWNER FURNISHED), METER BOX/PIT AND TOP (CONTRACTOR FURNISHED)	1	EA
41	REMOVE 8" VCP SANITARY SEWER AND REPLACE WITH PVC	42	LF
42	ABANDON EXISTING 12" WATERLINE WITH FLOWABLE FILL	13	CY
43	12" HYMAX COUPLING	1	EA

SANITARY SEWER			
No.	ITEM	QUANTITY	UNIT
44	10" SANITARY SEWER (PVC)	157	LF
45	8" SANITARY SEWER (PVC)	264	LF
46	4 FT. DIA. STANDARD MANHOLE, TYPE I (0'-6")	3	EA
47	4 FT. DIA. ADDITIONAL DEPTH FOR STD. MANHOLE, TYPE I	6	VF
48	5 FT. DIA. ADDITIONAL DEPTH FOR STD. MANHOLE, TYPE I	5	VF
49	5 FT. DIA. DOGHOUSE MANHOLE	1	EA
50	4 FT. DIA. DOGHOUSE MANHOLE	1	EA
51	10" RESILIENT CONNECTOR	1	EA
52	8" RESILIENT CONNECTOR	1	EA
53	INSIDE DROP FOR MANHOLE	1	EA
54	SERVICE (WYE) CONNECTION	2	EA
55	BYPASS PUMPING	1	LS
56	CCTV INSPECTION OF SANITARY SEWER PIPES	421	LF
57	15" BYPASS PUMPING CARRIER PIPE	45	LF

FIRE HYDRANT SCHEDULE						
FIRE HYDRANT ID	STATION	OFFSET	ALIGNMENT	BURY LINE ELEVATION	BOTTOM OF PIPE ELEVATION	FIRE HYDRANT BURY REQUIRED
FH 1	42+45.5	6' L	WL SW TOPEKA BLVD	992.12	983.95'	8.5
FH 2	31+24.3	15' R	WL SW 37TH ST 2	997.39	997.60'	10.0

WATER METER SCHEDULE							
WM NO.	ADDRESS	METER SIZE	SIZE SERVICE LINE AT POINT OF CONNECTION	SERVICE LINE MATERIAL AT POINT OF CONNECTION	NEW METER PIT LID ELEVATION	MAIN SIZE	REMARKS
WM 1	2900 SW TOPEKA BLVD	1.5"	1.5"	COPPER	ME	12"	

DRAWN BY: AJH
 APP'D BY: SNW



**TOPEKA BLVD
 IMPROVEMENTS:
 PROJECT #701038.00**

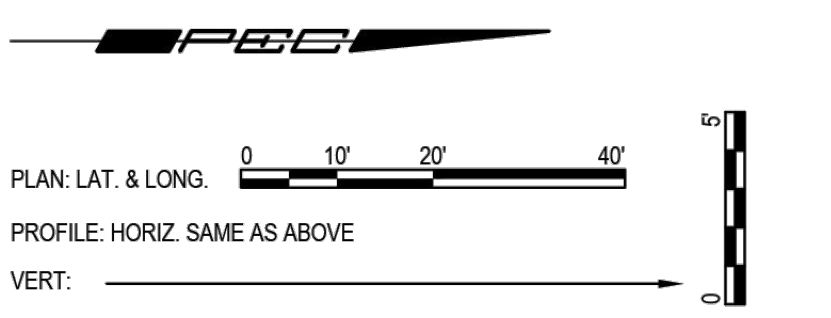
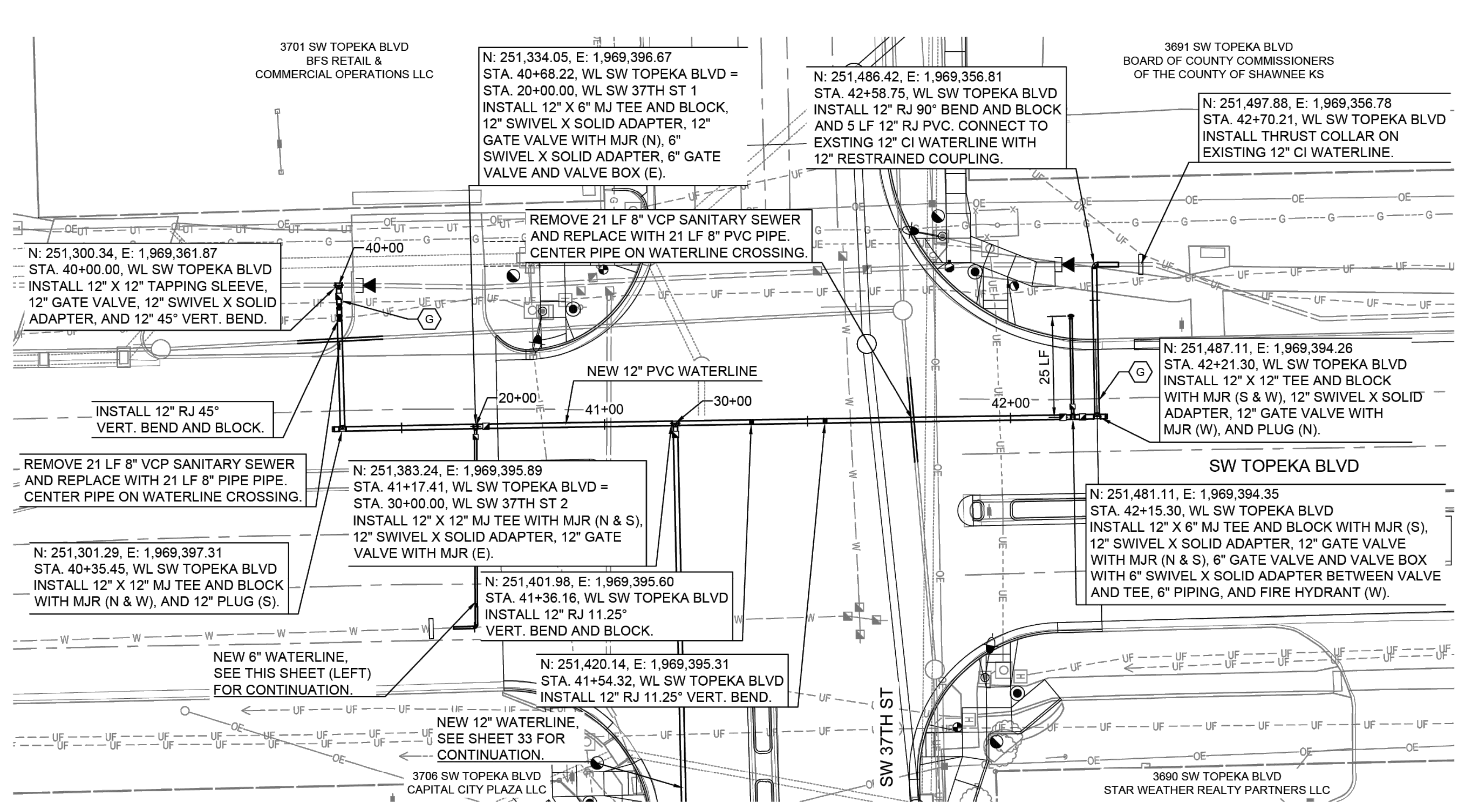
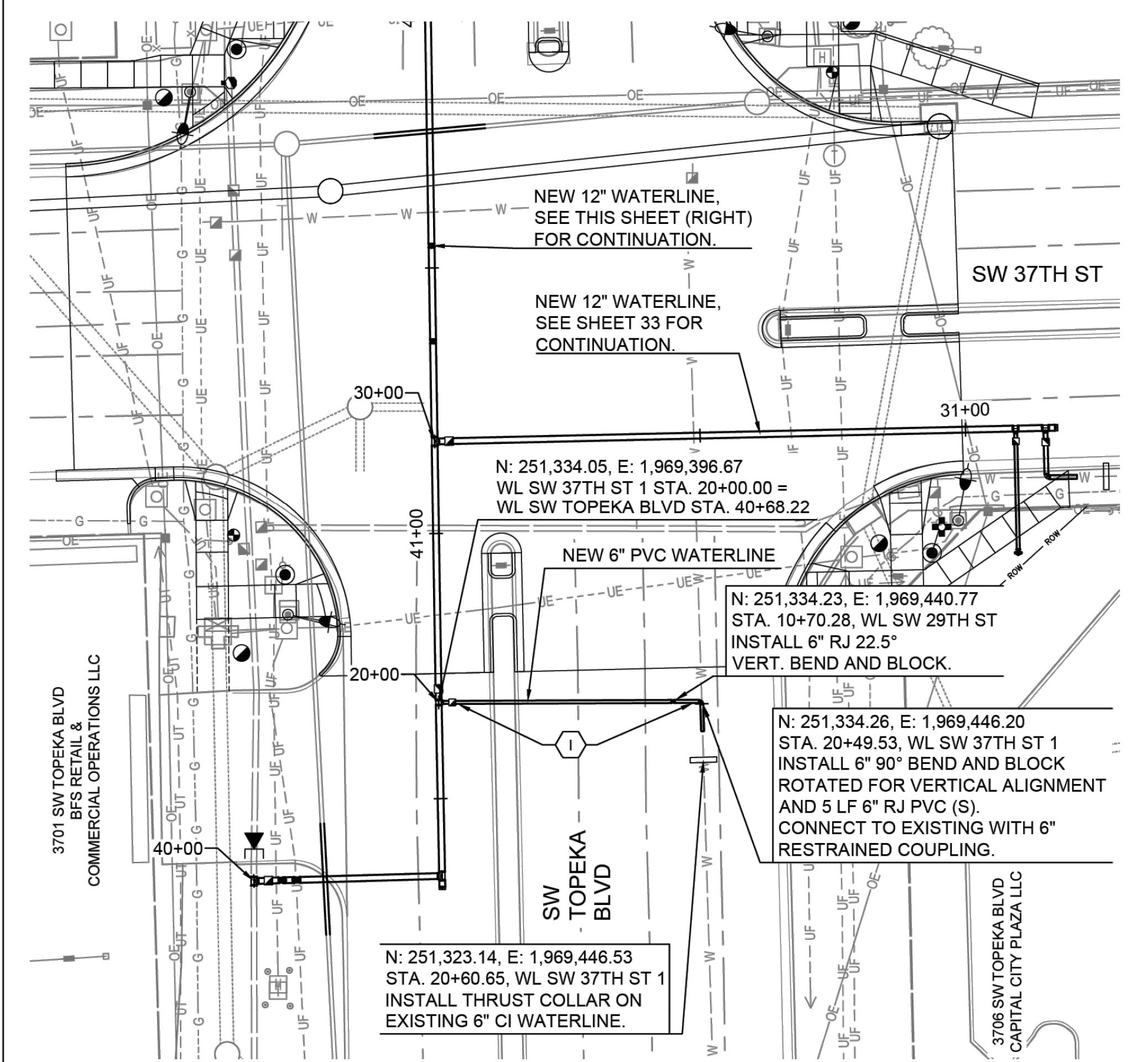
WATERLINE AND SANITARY SEWER
 GENERAL NOTES AND QUANTITIES

DATE: APR 2026
 SHEET: 33 OF 122
 PROJ.: 701038.00

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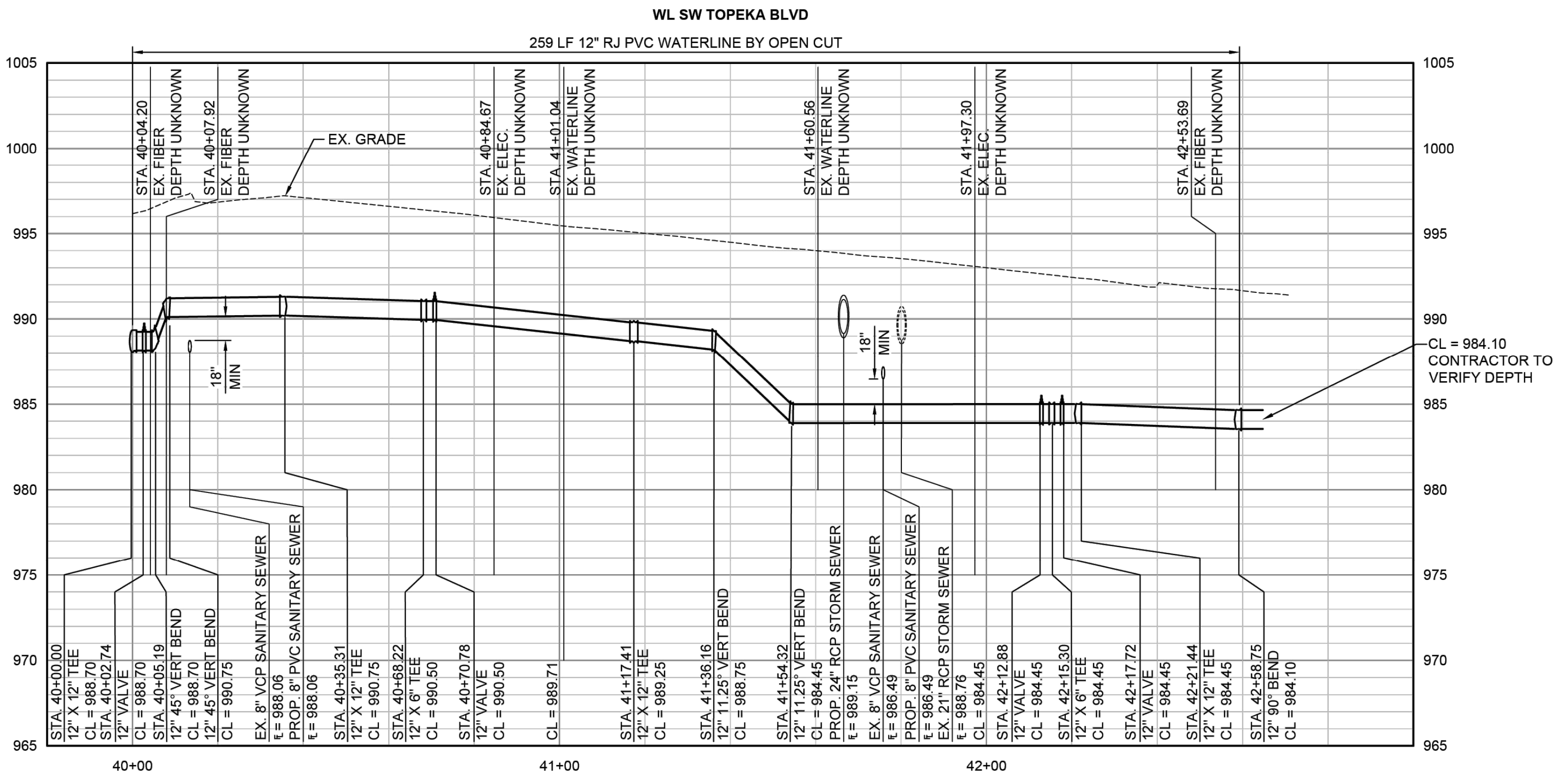
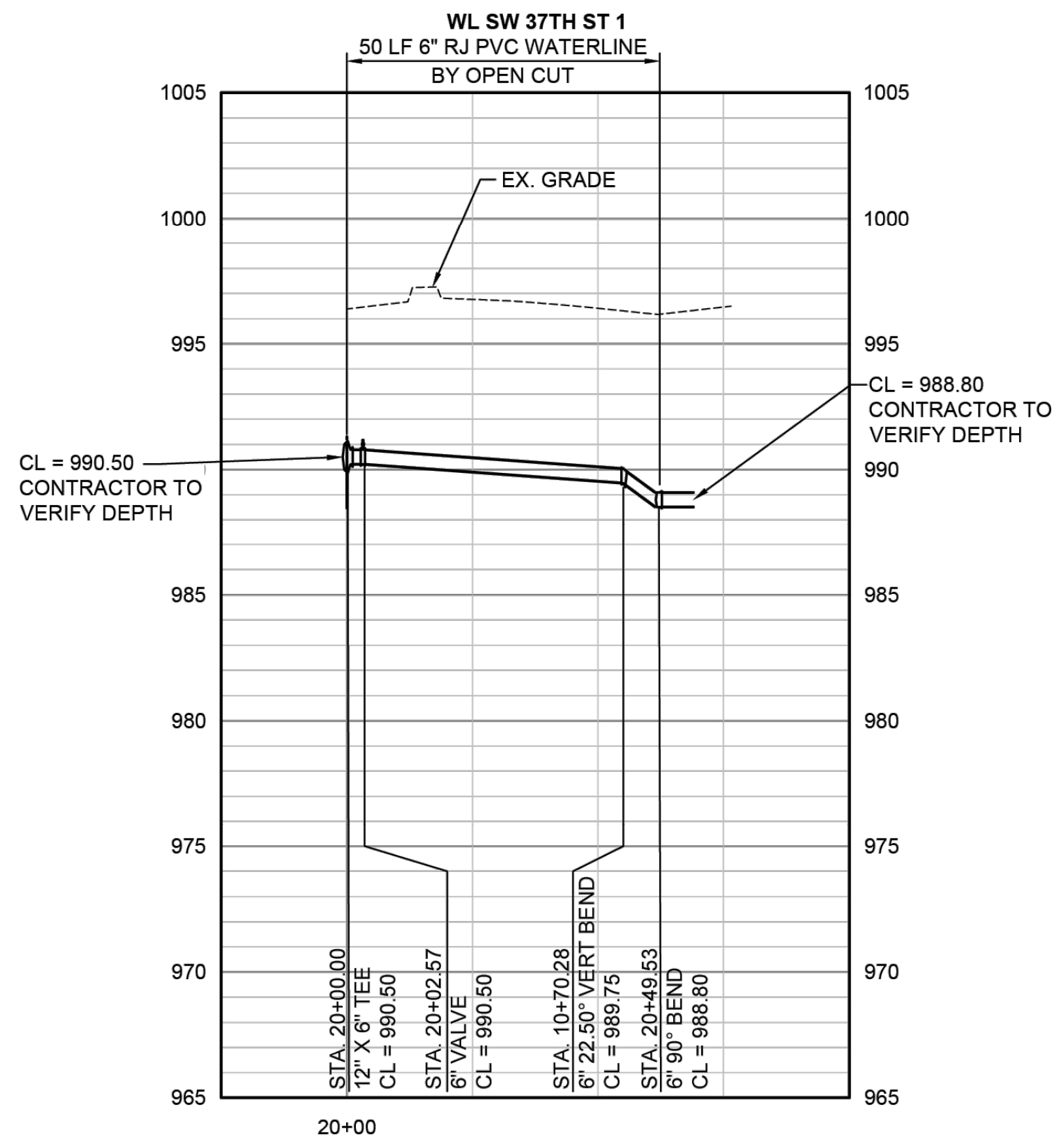
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- NOTES:**
1. THE UTILITY INFORMATION SHOWN ON THIS SHEET IS BASED ON THE BEST AVAILABLE INFORMATION, INCLUDING THE KANSAS ONE CALL SYSTEM UTILITY LOCATIONS AND RECORD DRAWINGS FROM VARIOUS UTILITY OWNERS ON THE PROJECT SITE. ALL UTILITIES THAT ACTUALLY EXIST MAY NOT BE SHOWN. PRIOR TO THE BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS AND DEPTHS AND COORDINATE ANY NECESSARY RELOCATIONS WITH THE UTILITY OWNER. REPORT SIGNIFICANT DIFFERING FIELD CONDITIONS TO THE ENGINEER SO THAT ANY NECESSARY PLAN MODIFICATIONS CAN BE MADE. UTILITIES DAMAGED THROUGH THE NEGLIGENCE OF THE CONTRACTOR TO OBTAIN THE LOCATION OF SAME SHALL BE REPAIRED AND/OR REPLACED AT NO ADDITIONAL COST TO THE PROJECT.
 2. SEE SHEET 32 FOR WATERLINE PHASING.
 3. SEE SHEET 97 FOR CONSTRUCTION SEQUENCING DETAILS.
 4. THE CONTRACTOR SHALL FACILITATE ALL TEMPORARY CONNECTIONS TO EXISTING WATERLINE AS NECESSARY, UNTIL CONSTRUCTION IS COMPLETE AND THE NEW WATERLINE IS IN SERVICE. TEMPORARY CONNECTIONS ARE SUBSIDIARY TO THE PROJECT.
 5. COORDINATE WATERLINE INSTALLATION WITH STORM REMOVAL AND REPLACEMENT.
 6. SEE SHEET 32 FOR WATERLINE ABANDONMENT FOR 37TH ST & TOPEKA BLVD.

- KEY NOTES:**
- (A) NOT USED THIS SHEET.
 - (B) NOT USED THIS SHEET.
 - (C) NOT USED THIS SHEET.
 - (D) NOT USED THIS SHEET.
 - (E) NOT USED THIS SHEET.
 - (F) NOT USED THIS SHEET.
 - (G) PROVIDE 12" X 1" SERVICE SADDLE WITH CORP AND NECESSARY MATERIALS FOR PRESSURE TESTING, DISINFECTING, AND FLUSHING (SUBSIDIARY).
 - (H) NOT USED THIS SHEET.
 - (I) PROVIDE 6" X 1" SERVICE SADDLE WITH CORP AND NECESSARY MATERIALS FOR PRESSURE TESTING, DISINFECTING, AND FLUSHING (SUBSIDIARY).



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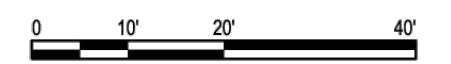
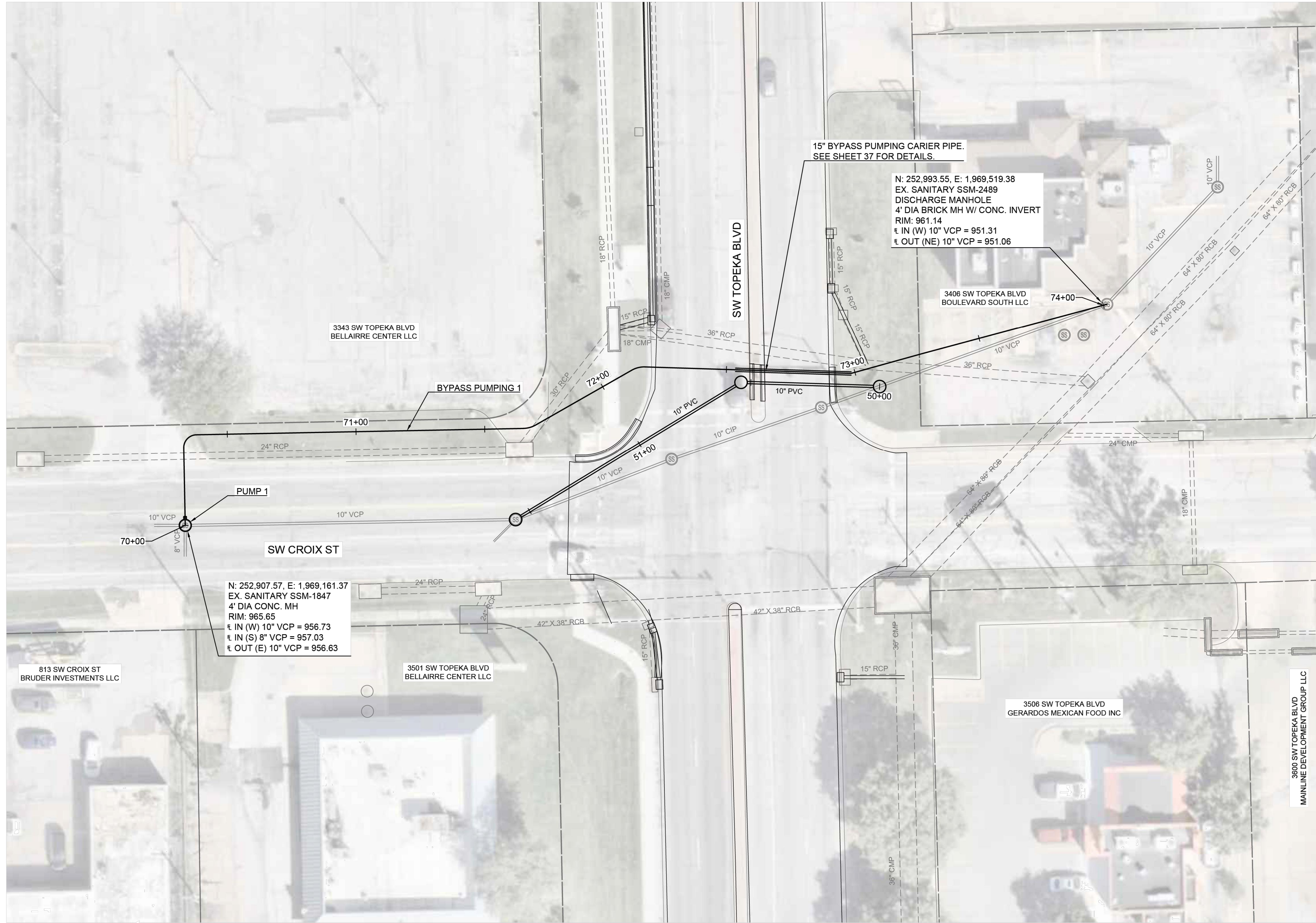
DRAWN BY: AJH
 APPD BY: SNW



**TOPEKA BLVD
 IMPROVEMENTS:
 PROJECT #701038.00**

WATERLINE PLAN AND PROFILE 2

DATE: APR 2026
 SHEET: 35 OF 122
 PROJ.: 701038.00



NOTES:

1. SEE SHEET 37 FOR SANITARY SEWER IMPROVEMENTS.
2. THE CONTRACTOR SHALL MAINTAIN BYPASS PUMPING ACTIVITIES WITHIN THE RIGHT-OF-WAY.
3. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL BARRICADES, AS NECESSARY, TO PROTECT THE BYPASS PUMPING SETUP.
4. THE CONTRACTOR SHALL COORDINATE BYPASS PUMPING ACTIVITIES WITH THE SANITARY SEWER PHASING, ROAD PAVING, STORM IMPROVEMENTS, AND TRAFFIC CONTROL.

BYPASS PUMPING:

1. THE CONTRACTOR SHALL PROVIDE A BYPASS PUMPING SETUP 1 WITH A FIRM CAPACITY OF 850 GPM. THE CONTRACTOR SHALL HAVE ONE (1) BACKUP PUMP WITH A FIRM CAPACITY OF 850 GPM ON SITE AT ALL TIMES FOR BYPASS PUMPING SETUP 1.
2. THE TEMPORARY BYPASS PUMPING SYSTEM SHALL BE PLACED IN OPERATION FOR A MINIMUM OF 24-HOURS BEFORE ANY OTHER WORK IN THE AREAS BEING PLACED UNDER BYPASS MAY BEGIN.
3. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF BYPASS PUMPING WITH THE ENGINEER AND THE CITY.
4. THE CONTRACTOR SHALL DETERMINE THE LINE SIZE NECESSARY FOR THE BYPASS PUMPING SETUP. THE CONTRACTOR SHALL CONFIRM THE CARRIER PIPE SIZE IS LARGE ENOUGH FOR THE BYPASS PUMPING LINE PRIOR TO INSTALLATION.
5. THE CONTRACTOR SHALL PROVIDE A BYPASS PUMPING PLAN TO THE CITY FOR APPROVAL PRIOR TO THE COMMENCEMENT OF WORK.
6. THE BYPASS PUMPING PLAN SHALL BE IN ACCORDANCE WITH SPECIFICATIONS SECTION 33 01 30.
7. THE DESIGN, INSTALLATION, AND OPERATION OF THE BYPASS PUMPING SYSTEM SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE BYPASS PUMPING SYSTEM SHALL MEET THE REQUIREMENTS OF ALL CODES AND REGULATORY AGENCIES HAVING JURISDICTION.

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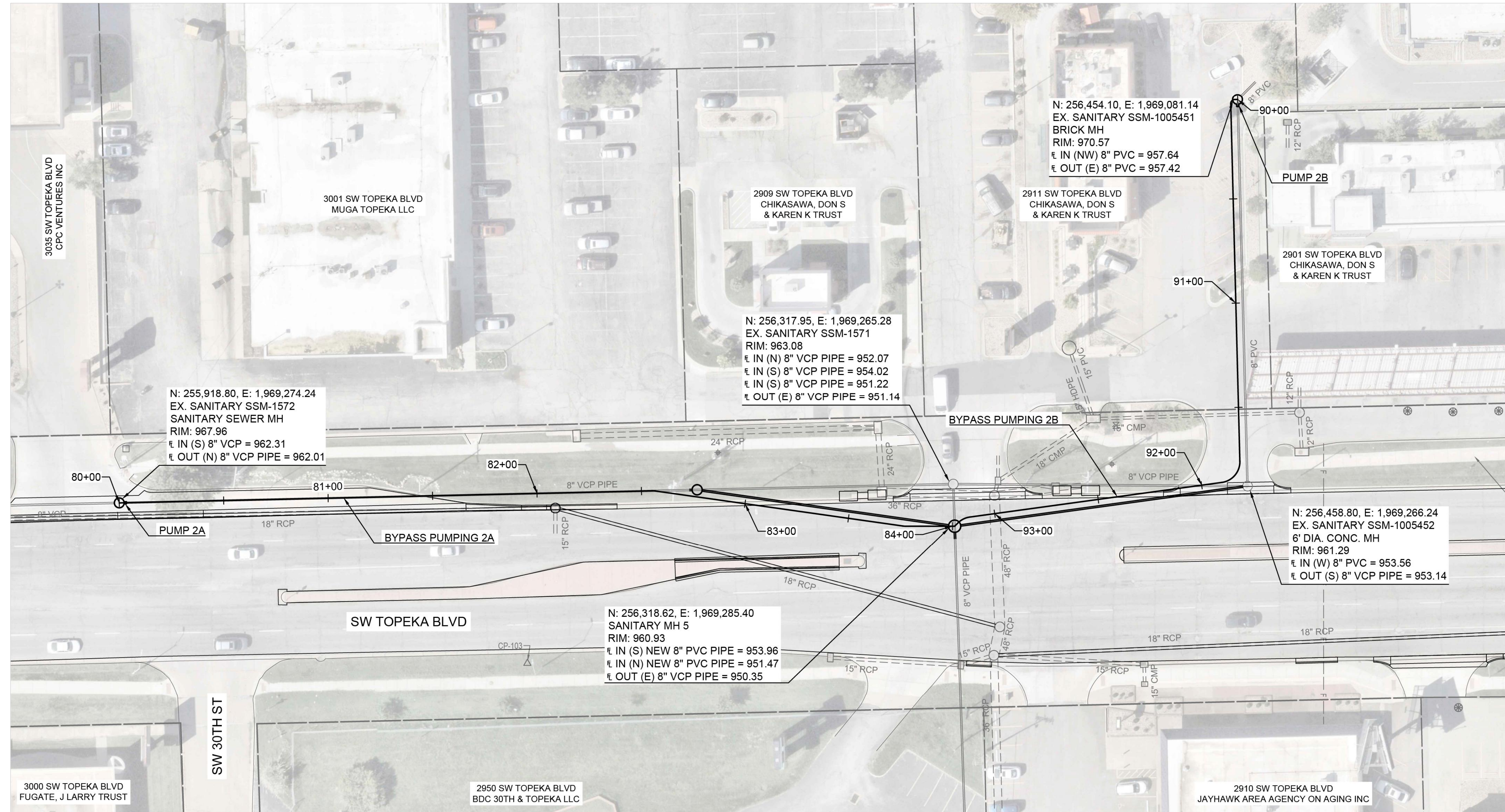
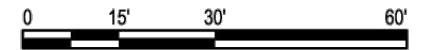
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 APP'D BY: SNW



**TOPEKA BLVD
 IMPROVEMENTS:
 PROJECT #701038.00**

SANITARY SEWER BYPASS PUMPING PLAN 1

DATE: APR 2026
 SHEET: 36 OF 122
 PROJ.: 701038.00



NOTES:

1. THE CONTRACTOR SHALL MAINTAIN BYPASS PUMPING ACTIVITIES WITHIN THE RIGHT-OF-WAY.
2. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL BARRICADES, AS NECESSARY, TO PROTECT THE BYPASS PUMPING SETUP.
3. THE CONTRACTOR SHALL COORDINATE BYPASS PUMPING ACTIVITIES WITH THE SANITARY SEWER PHASING, ROAD PAVING, STORM IMPROVEMENTS, AND TRAFFIC CONTROL.
4. THE CONTRACTOR SHALL VERIFY THE SERVICE CONNECTION LOCATION FOR 2902 AND 2911 SW TOPEKA BLVD AND TRANSFER SERVICES TO NEW MAIN, IF NECESSARY.

BYPASS PUMPING:

1. THE CONTRACTOR SHALL PROVIDE A BYPASS PUMPING SETUP WITH A FIRM CAPACITY OF 575 GPM FOR EACH BYPASS PUMPING SETUP 2A AND 2B. THE CONTRACTOR SHALL HAVE ONE (1) BACKUP PUMP WITH A FIRM CAPACITY OF 575 GPM ON SITE AT ALL TIMES.
2. THE TEMPORARY BYPASS PUMPING SYSTEM SHALL BE PLACED IN OPERATION FOR A MINIMUM OF 24-HOURS BEFORE ANY OTHER WORK IN THE AREAS BEING PLACED UNDER BYPASS MAY BEGIN.
3. THE CONTRACTOR SHALL UTILIZE THE BYPASS PUMPING ALIGNMENT AS SHOWN BETWEEN STATIONS 80+00 AND 87+67. BYPASS PUMPING BETWEEN SANITARY SEWER MANHOLE 1572 AND STORM MANHOLE 1360 WILL BE ABOVE GRADE. BYPASS PUMPING BETWEEN STORM MANHOLE 1360 AND STORM INLET 101621 WILL BE BELOW GRADE AND UTILIZE THE STORM PIPING BETWEEN THE INLETS. BYPASS PUMPING BETWEEN STORM INLET 101621 AND SANITARY SEWER MANHOLE 1608 WILL BE ABOVE GRADE.
4. THE CONTRACTOR SHALL UTILIZE THE BYPASS PUMPING ALIGNMENT AS SHOWN BETWEEN STATIONS 90+00 AND 94+74. BYPASS PUMPING BETWEEN SANITARY SEWER MANHOLE 1005452 AND STORM MANHOLE 1360 WILL BE ABOVE GRADE. BYPASS PUMPING BETWEEN STORM MANHOLE 1360 AND STORM INLET 101621 WILL BE BELOW GRADE AND UTILIZE THE STORM PIPING BETWEEN THE INLETS. BYPASS PUMPING BETWEEN STORM INLET 101621 AND SANITARY SEWER MANHOLE 1608 WILL BE ABOVE GRADE.
5. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF BYPASS PUMPING WITH ENGINEER AND THE CITY.
6. THE CONTRACTOR SHALL DETERMINE THE LINE SIZE NECESSARY FOR THE BYPASS PUMPING SETUP.
7. THE CONTRACTOR SHALL PROVIDE A BYPASS PUMPING PLAN TO THE CITY FOR APPROVAL PRIOR TO THE COMMENCEMENT OF WORK.
8. THE BYPASS PUMPING PLAN SHALL BE IN ACCORDANCE WITH SPECIFICATIONS SECTION 33 01 30.
9. THE DESIGN, INSTALLATION, AND OPERATION OF THE BYPASS PUMPING SYSTEM SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE BYPASS PUMPING SYSTEM SHALL MEET THE REQUIREMENTS OF ALL CODES AND REGULATORY AGENCIES HAVING JURISDICTION.

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NO.	DATE	REVISION	BY:	APP'D

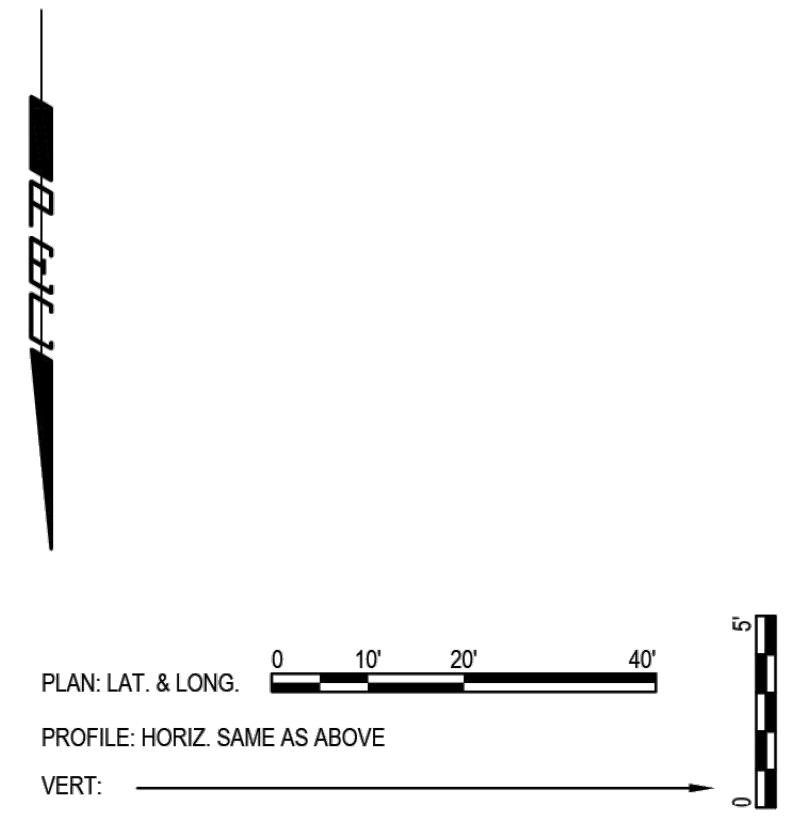
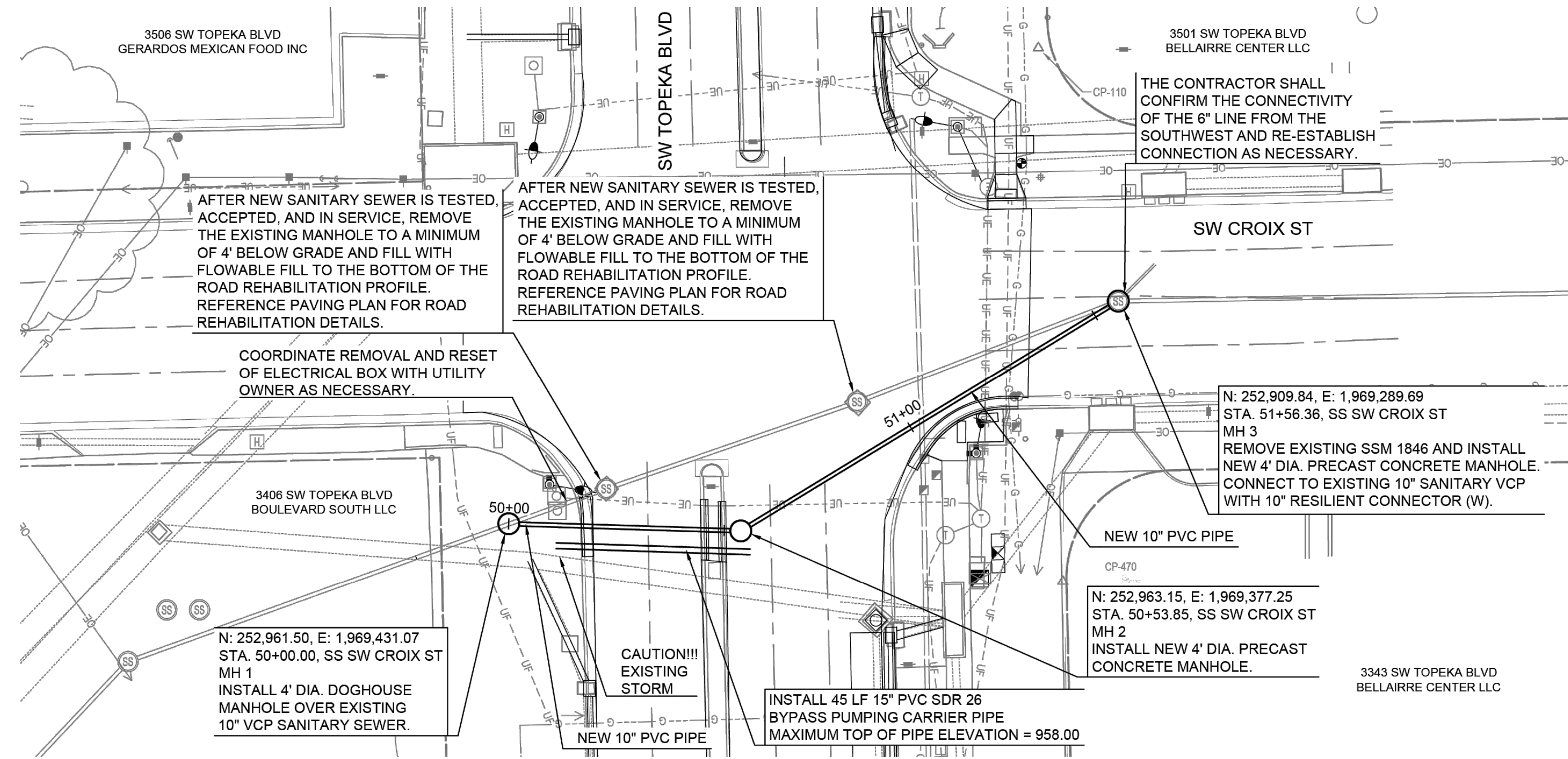
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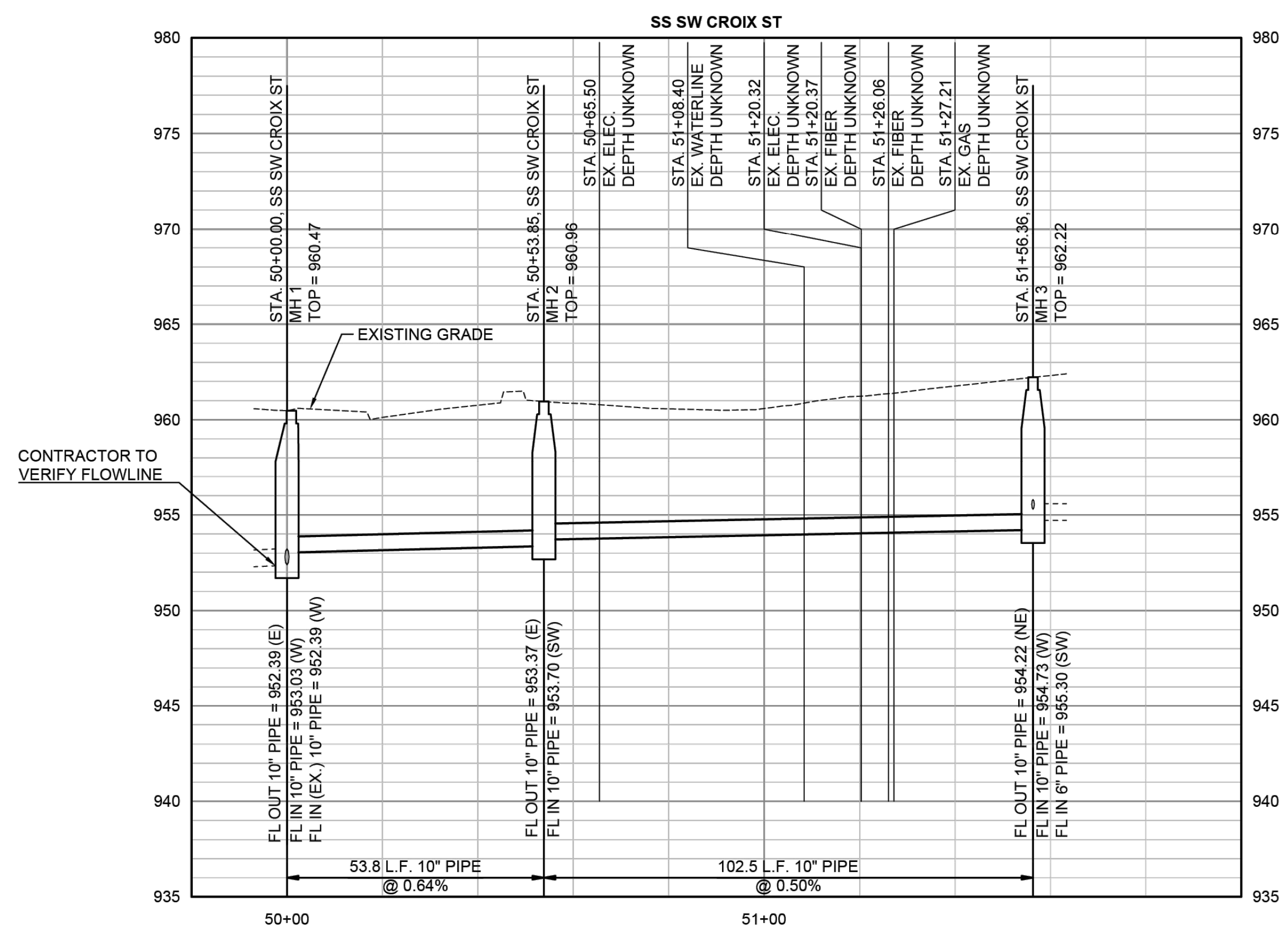
SANITARY SEWER BYPASS PUMPING PLAN 2

DATE: APR 2026
 SHEET: 37 OF 122
 PROJ.: 701038.00



- GENERAL SANITARY SEWER NOTES:
1. THE UTILITY INFORMATION SHOWN ON THIS SHEET IS BASED ON THE BEST AVAILABLE INFORMATION, INCLUDING THE KANSAS ONE CALL SYSTEM UTILITY LOCATIONS AND RECORD DRAWINGS FROM VARIOUS UTILITY OWNERS ON THE PROJECT SITE. ALL UTILITIES THAT ACTUALLY EXIST MAY NOT BE SHOWN. PRIOR TO THE BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS AND DEPTHS AND COORDINATE ANY NECESSARY RELOCATIONS WITH THE UTILITY OWNER. REPORT SIGNIFICANT DIFFERING FIELD CONDITIONS TO THE ENGINEER SO THAT ANY NECESSARY PLAN MODIFICATIONS CAN BE MADE. UTILITIES DAMAGED THROUGH THE NEGLIGENCE OF THE CONTRACTOR TO OBTAIN THE LOCATION OF SAME SHALL BE REPAIRED AND/OR REPLACED AT NO ADDITIONAL COST TO THE PROJECT.
 2. SEE SHEET 35 FOR BYPASS PUMPING REQUIREMENTS.
 3. THE CONTRACTOR MAY UTILIZE STEEL OR HDPE PIPE FOR THE BYPASS PUMPING CARRIER PIPE AT NO ADDITIONAL COST TO THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO UTILIZE PIPE WITH AN INSIDE DIAMETER THAT IS OF AN EQUIVALENT MINIMUM TO 15" PVC SDR 26.
 4. AFTER THE COMPLETION OF BYPASS PUMPING AND TESTING AND ACCEPTANCE OF THE SANITARY SEWER, THE CONTRACTOR SHALL FILL THE BYPASS PUMPING CARRIER PIPE WITH LOW STRENGTH FLOWABLE FILL. THIS SHALL BE SUBSIDIARY TO THE BYPASS PUMPING CARRIER PIPE BID ITEM.

- CONSTRUCTION SEQUENCING NOTES:
1. SEE SHEET 97 FOR CONSTRUCTION SEQUENCING DETAILS.
 2. THE CONTRACTOR SHALL CONSTRUCT MH 1, MH 2 AND ASSOCIATED SANITARY SEWER DURING PHASE ZERO OF CONSTRUCTION. FLOW SHALL BE MAINTAINED IN THE EXISTING LINE THROUGH MH 1 UNTIL BYPASS PUMPING IS IN PLACE.
 3. INSTALL THE 15" PVC PIPE NORTH OF MH 1 AND MH 2 DURING PHASE ZERO CONSTRUCTION.
 4. THE CONTRACTOR SHALL CONSTRUCT THE REMAINDER OF THE SANITARY SEWER DURING PHASE 1B OF CONSTRUCTION.



File Location: C:\DC\ACD\Drawings\PEC\Hub\250131-000 - Topeka Blvd 4\Project Files\030_Design\250131-000 Sanitary Sewer Plan and Profile.dwg [Plot Date: 4/21/2026 7:52:50 AM] [Last Saved: 4/20/2026 4:54:35 PM, Aric Hermann]

NO.	DATE:	REVISION	BY:	APPD

DRAWN BY: AJH

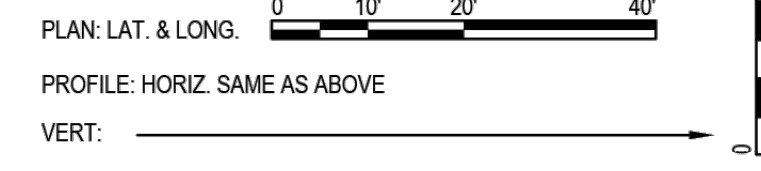
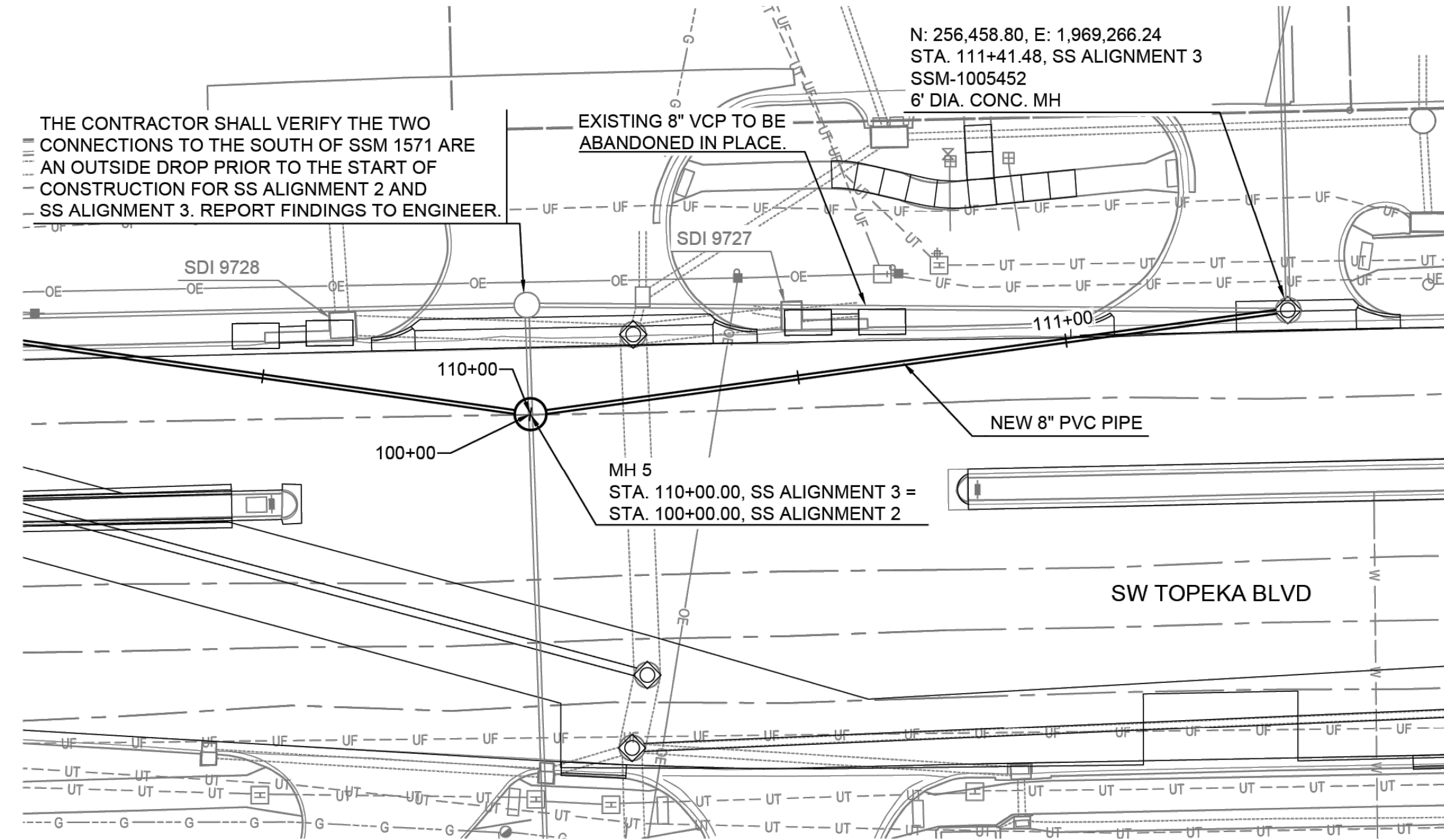
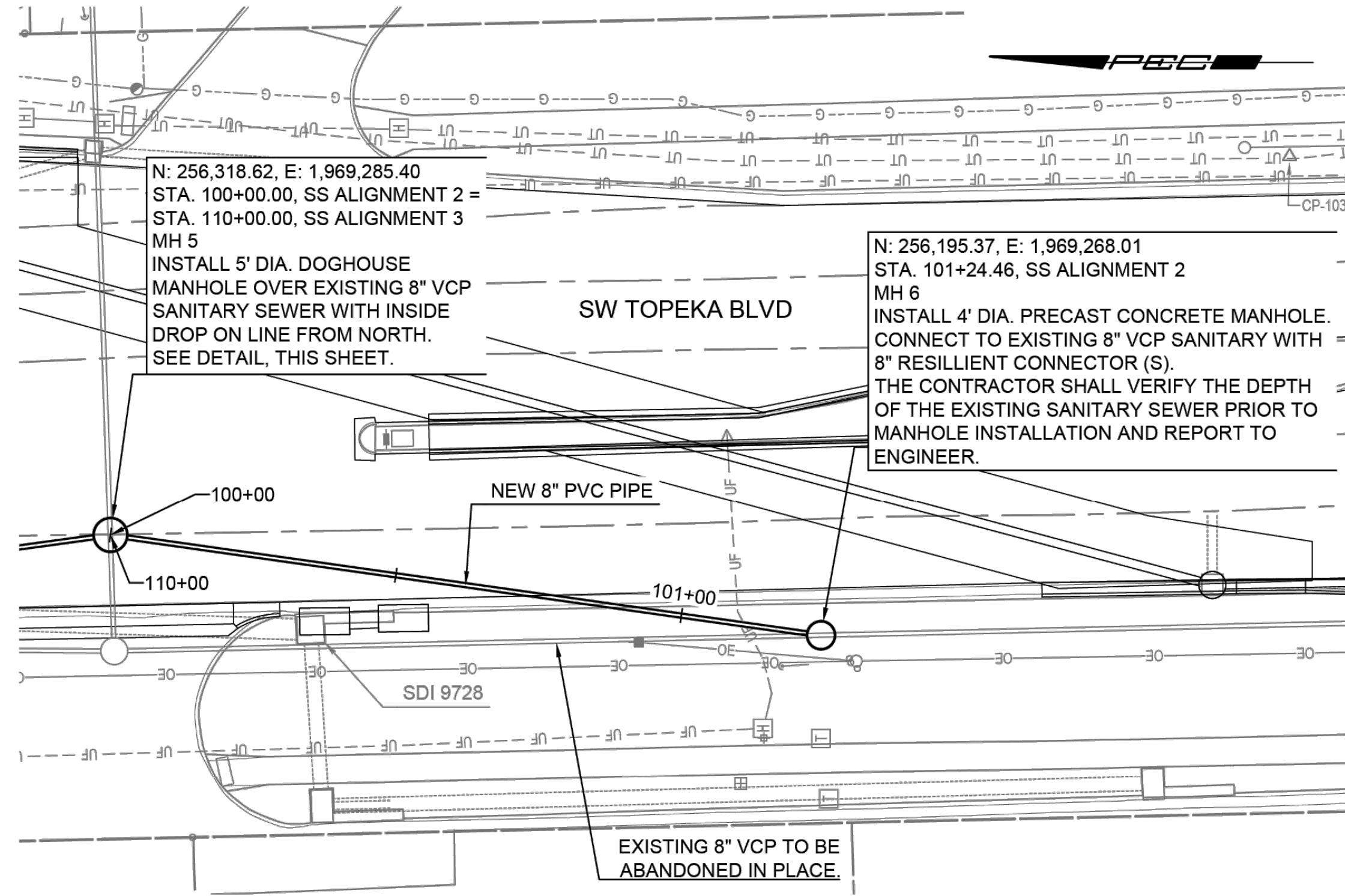
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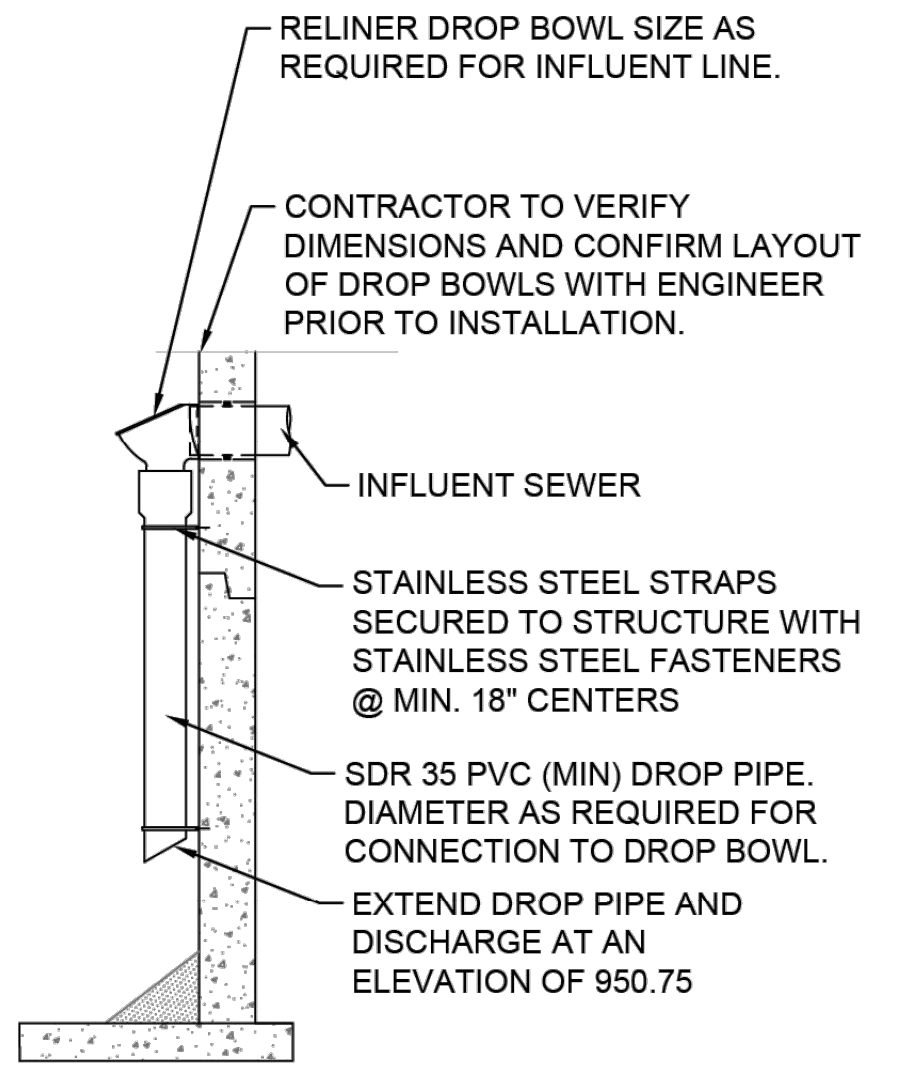
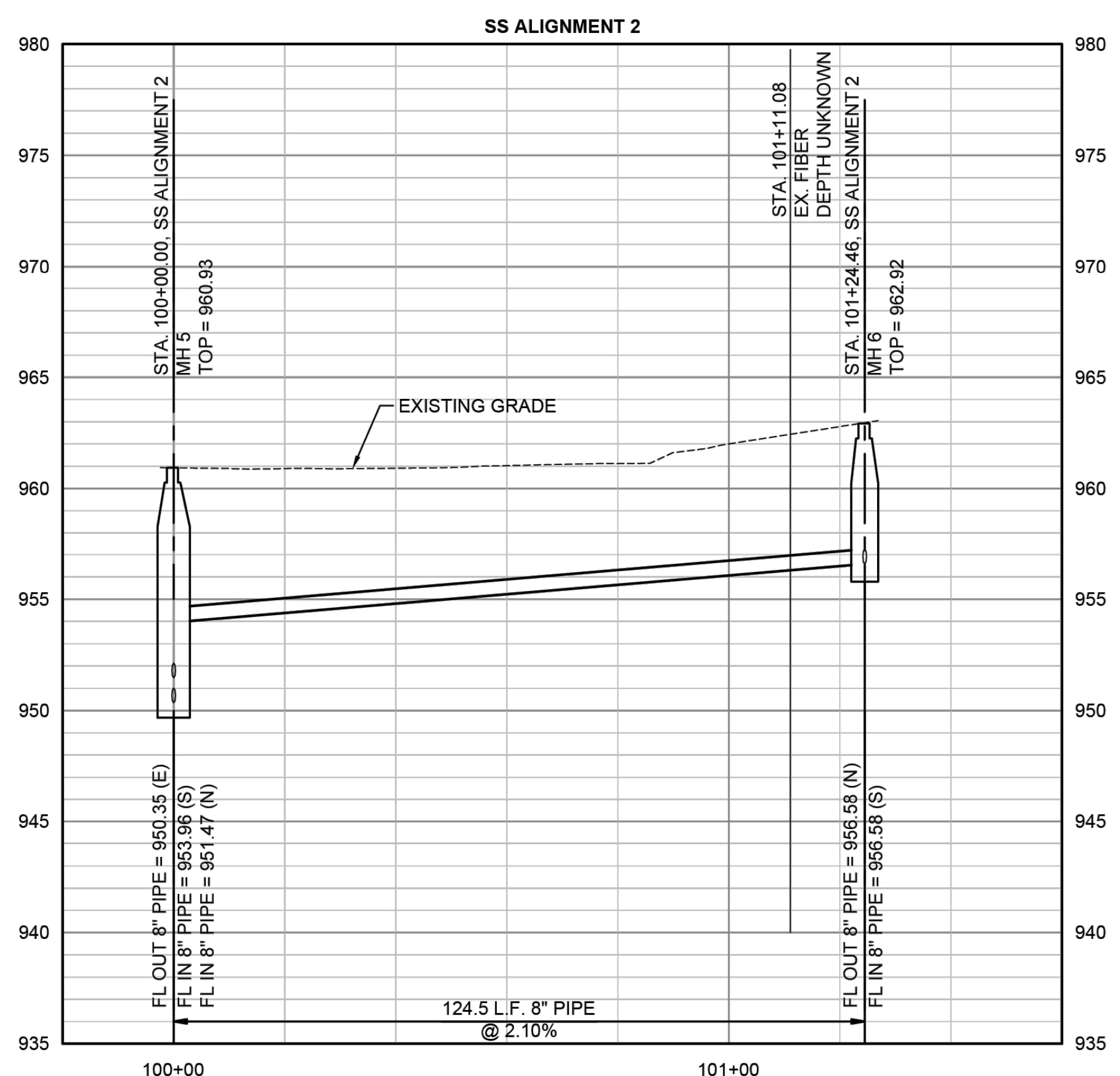
SANITARY SEWER PLAN AND PROFILE 1

DATE: APR 2026
SHEET: 38 OF 122
PROJ.: 701038.00

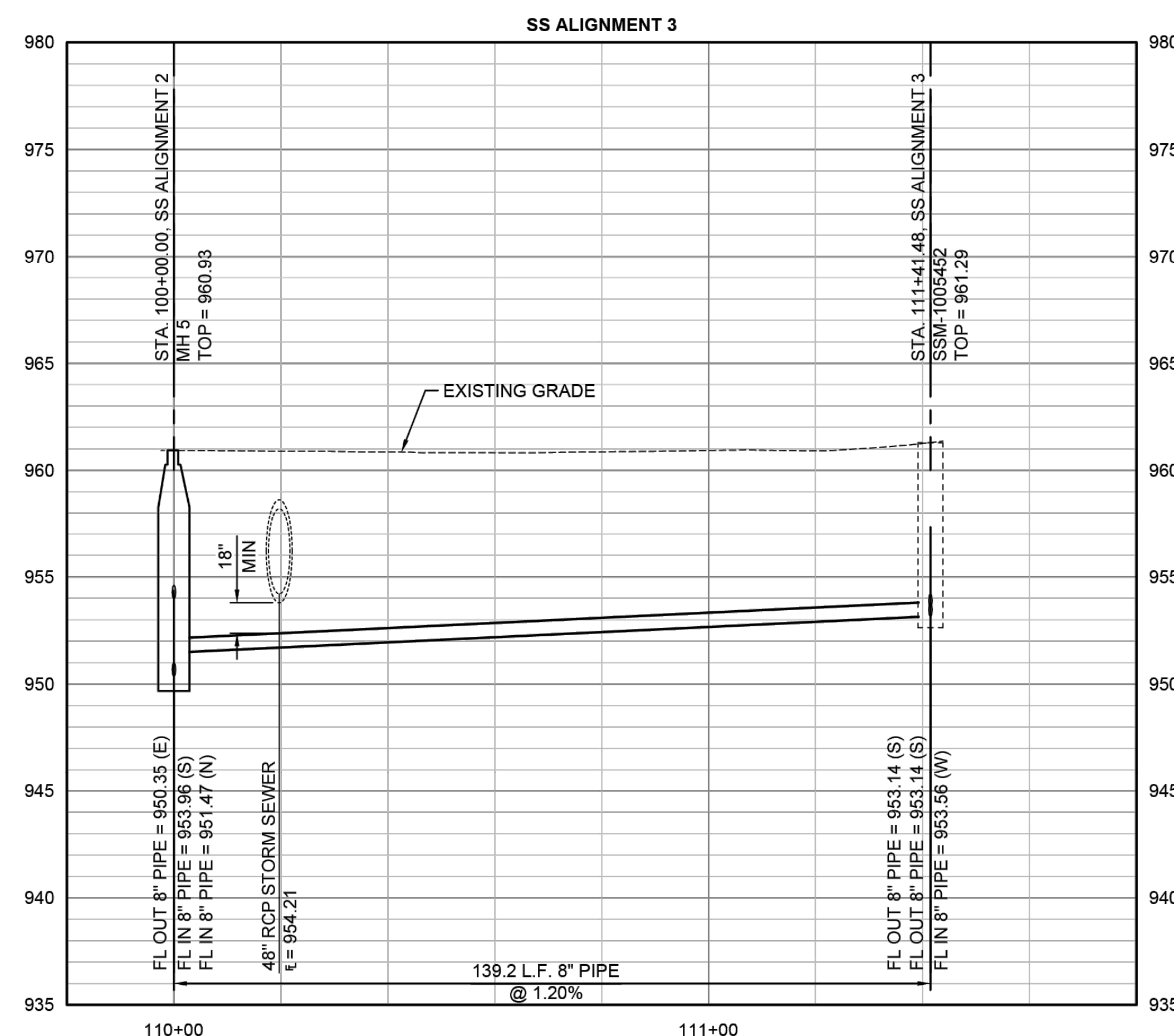


- GENERAL SANITARY SEWER NOTES:
1. THE UTILITY INFORMATION SHOWN ON THIS SHEET IS BASED ON THE BEST AVAILABLE INFORMATION, INCLUDING THE KANSAS ONE CALL SYSTEM UTILITY LOCATIONS AND RECORD DRAWINGS FROM VARIOUS UTILITY OWNERS ON THE PROJECT SITE. ALL UTILITIES THAT ACTUALLY EXIST MAY NOT BE SHOWN. PRIOR TO THE BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS AND DEPTHS AND COORDINATE ANY NECESSARY RELOCATIONS WITH THE UTILITY OWNER. REPORT SIGNIFICANT DIFFERING FIELD CONDITIONS TO THE ENGINEER SO THAT ANY NECESSARY PLAN MODIFICATIONS CAN BE MADE. UTILITIES DAMAGED THROUGH THE NEGLIGENCE OF THE CONTRACTOR TO OBTAIN THE LOCATION OF SAME SHALL BE REPAIRED AND/OR REPLACED AT NO ADDITIONAL COST TO THE PROJECT.
 2. SEE SHEET 36 FOR BYPASS PUMPING REQUIREMENTS.
 3. AFTER NEW SANITARY SEWER IS TESTED, ACCEPTED, AND IN SERVICE, CUT THE EXISTING MANHOLE TO A MINIMUM OF 4' BELOW GRADE AND FILL WITH FLOWABLE FILL TO THE BOTTOM OF THE ROAD REHABILITATION PROFILE. REFERENCE PAVING PLAN FOR ROAD REHABILITATION DETAILS.

- CONSTRUCTION SEQUENCING NOTES:
1. SEE SHEET 97 FOR CONSTRUCTION SEQUENCING DETAILS.
 2. THE CONTRACTOR SHALL COORDINATE SANITARY SEWER REPLACEMENT WITH REPLACEMENT OF STORM INLETS 9728 AND 9727.
 3. TEMPORARILY PLUG SSM 1571 AS NECESSARY TO INSTALL MH 5. CONSTRUCT UPSTREAM FROM MH 5 FOR BOTH SEWER REPLACEMENTS. WHEN INSTALLING MH 6, UTILIZE BYPASS PUMPING SETUP 2A. WHEN RECONNECTING TO EXISTING MANHOLE 1005452, UTILIZE BYPASS PUMPING SETUP 2B.



INSIDE DROP DETAIL
NOT TO SCALE



File Location: C:\DC\ACD\DC\PEC_Hub\20131-000 - Topeka Blvd 4\Project Files\030_DESIGN\250131-000 Sanitary Sewer Plan and Profile.dwg [Plot Date: 4/21/2026 7:52:59 AM] [Last Saved: 4/20/2026 4:54:35 PM, Aric Hermann]

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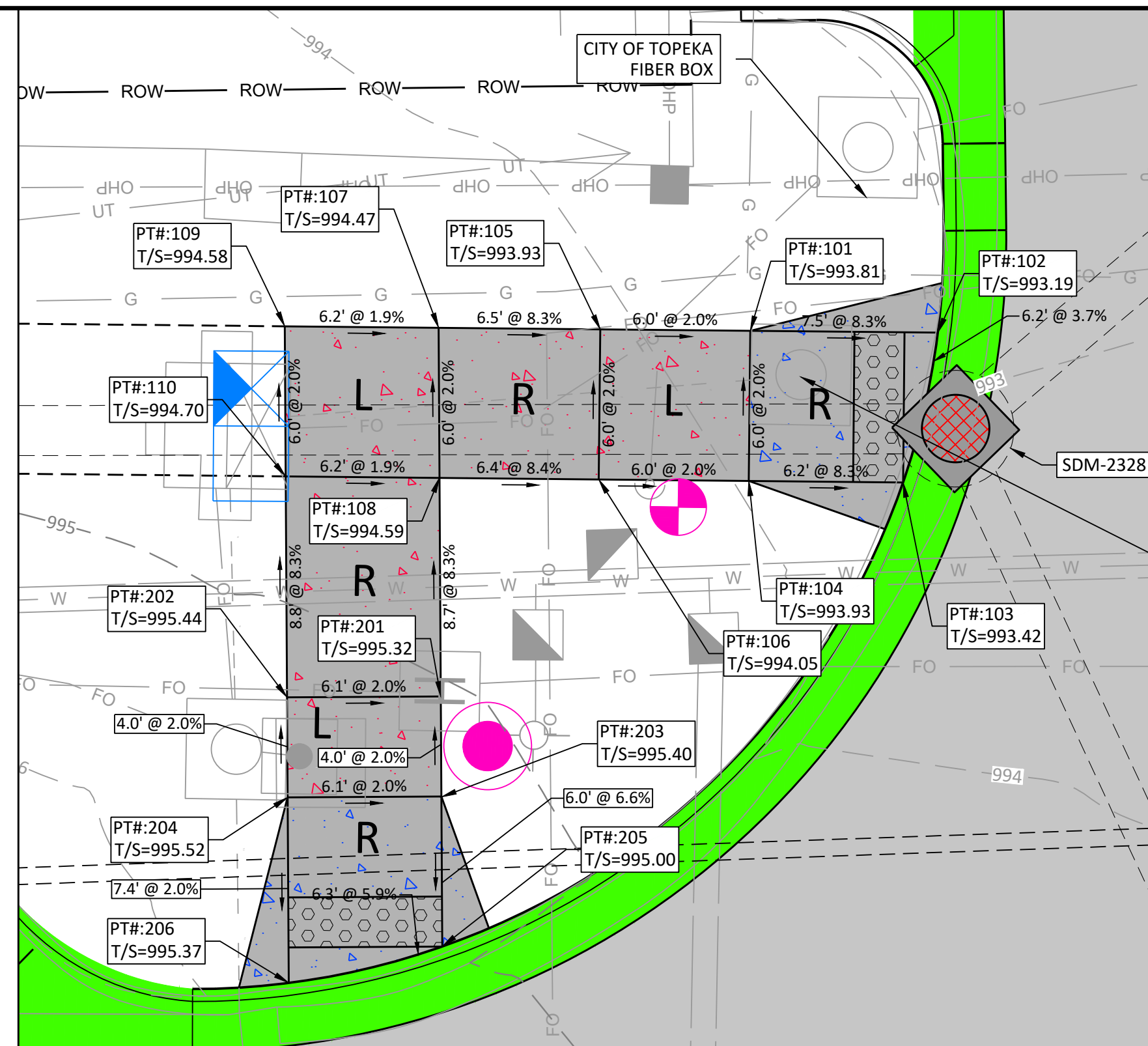
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APPD BY: SNW



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SANITARY SEWER PLAN AND PROFILE 2

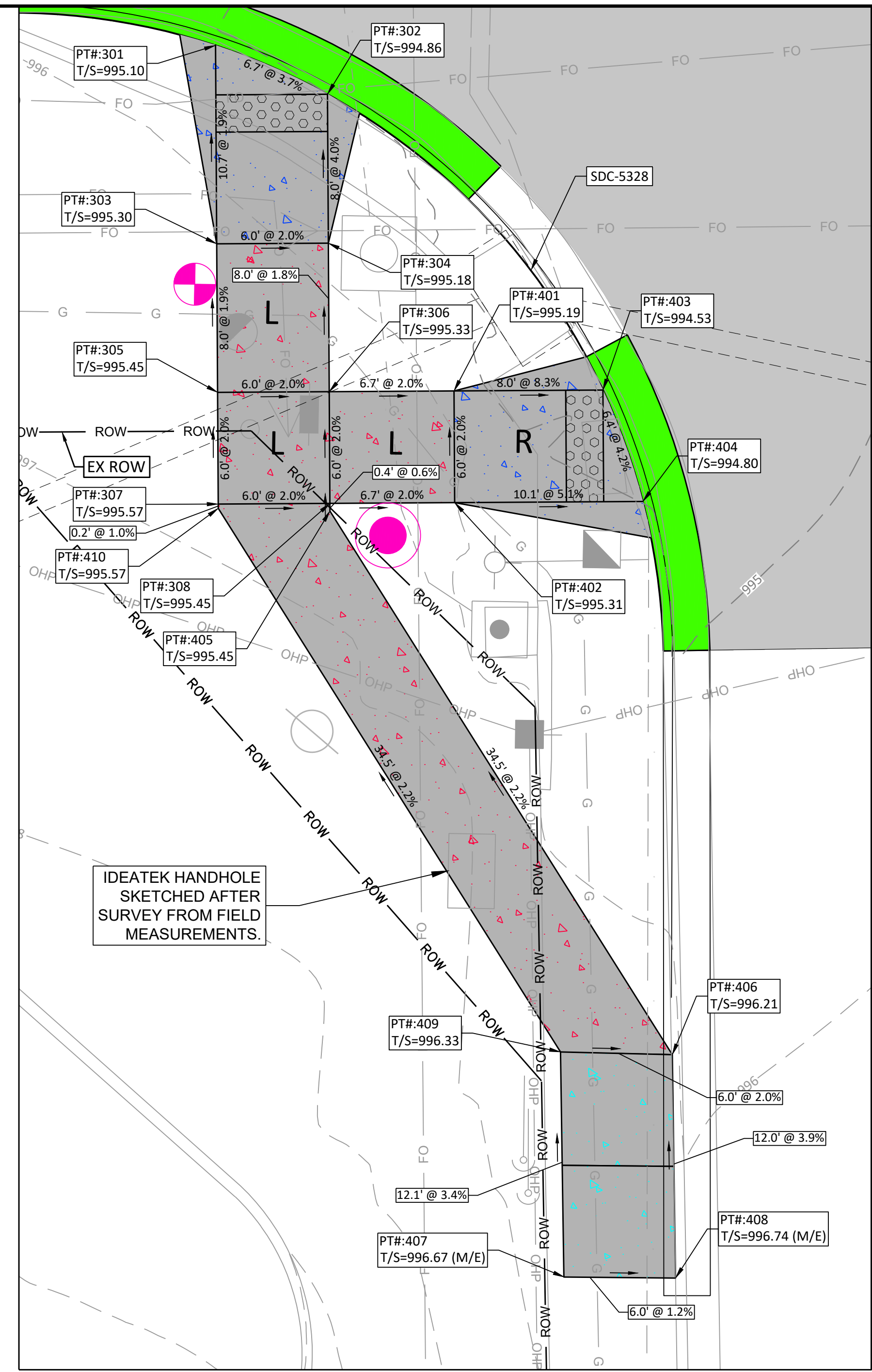
DATE: APR 2026
SHEET: 39 OF 122
PROJ.: 701038.00



ADA RAMP #1			ADA RAMP #2		
POINT #	NORTHING	EASTING	POINT #	NORTHING	EASTING
101	251368.29	1969350.95	201	251356.17	1969365.78
102	251375.79	1969350.89	202	251350.02	1969365.92
103	251374.50	1969356.90	203	251356.26	1969369.78
104	251368.33	1969356.95	204	251350.11	1969369.92
105	251362.29	1969350.99	205	251356.40	1969375.78
106	251362.33	1969356.99	206	251350.29	1969377.34
107	251355.82	1969351.04			
108	251355.96	1969357.04			
109	251349.67	1969351.09			
110	251349.81	1969357.09			

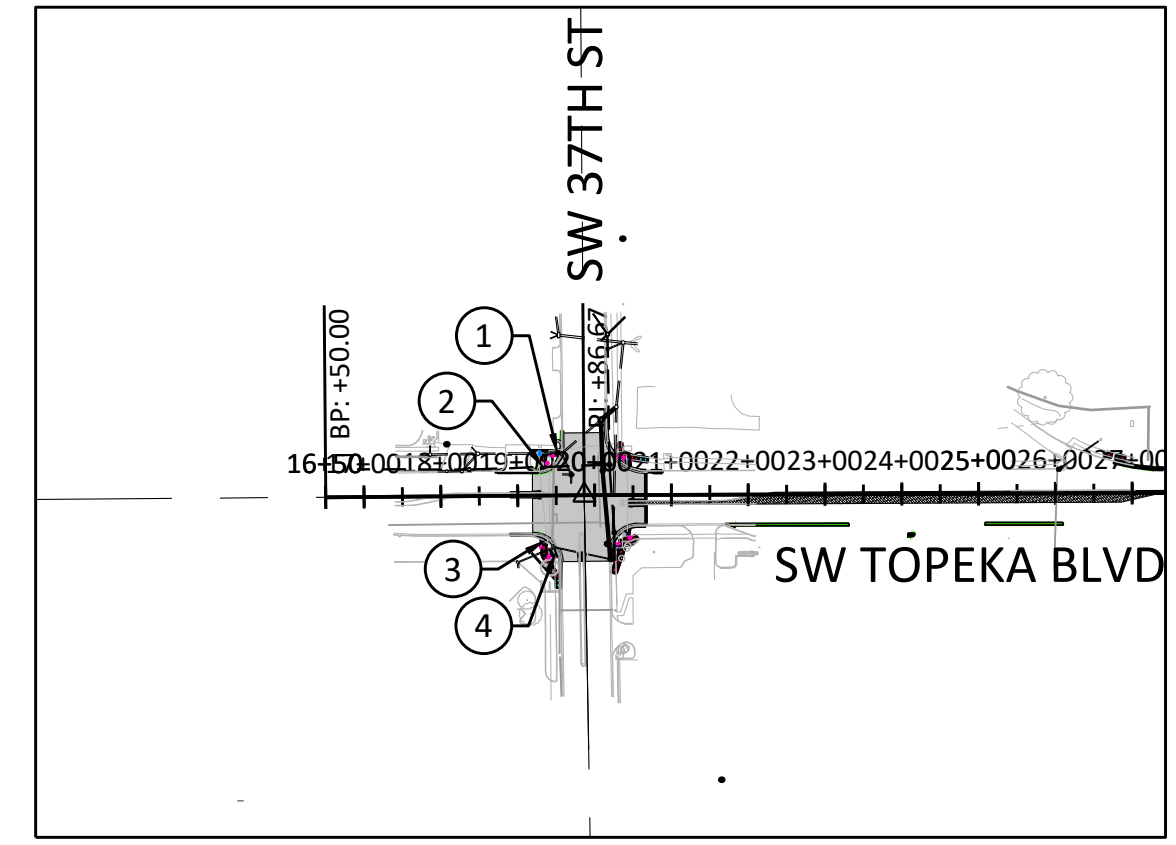
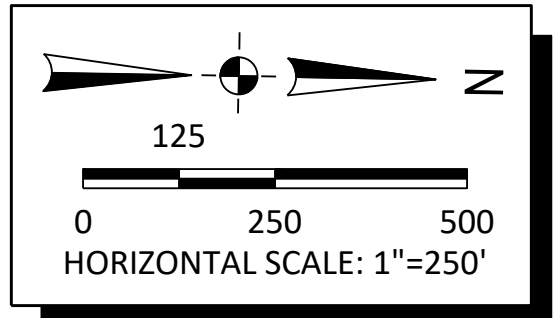
CITY OF TOPEKA
FIBER BOX
SDM-2328
CITY OF TOPEKA
SIGNAL BOX
SEE SHEET 59

1 & 2- ADA RAMP
Scale: 1" = 5' (Full Size)



3 & 4- ADA RAMP
Scale: 1" = 5' (Full Size)

ADA RAMP #3			ADA RAMP #4		
POINT #	NORTHING	EASTING	POINT #	NORTHING	EASTING
301	251352.46	1969463.41	401	251365.60	1969481.75
302	251358.52	1969465.93	402	251365.74	1969487.74
303	251352.71	1969474.07	403	251373.59	1969481.56
304	251358.71	1969473.93	404	251375.84	1969487.51
305	251352.90	1969482.04	405	251359.04	1969488.31
306	251358.89	1969481.90	406	251377.94	1969517.19
307	251353.04	1969488.04	407	251372.32	1969529.24
308	251359.03	1969487.90	408	251378.32	1969529.18
			409	251371.94	1969517.15
			410	251353.04	1969488.27



LEGEND

- PROPOSED CONCRETE PAVEMENT/CURB
- PROPOSED ADA SIDEWALK RAMP
- PROPOSED SIDEWALK
- PROPOSED DETECTABLE WARNING
- T/S TOP OF SIDEWALK
- BC BACK OF CURB
- EOP EDGE OF PAVEMENT

TRAFFIC SIGNAL LEGEND:

- PROP SIGNAL POLE
- PROP ADA ACCESSIBLE PEDESTAL SIGNAL (APS) POLE

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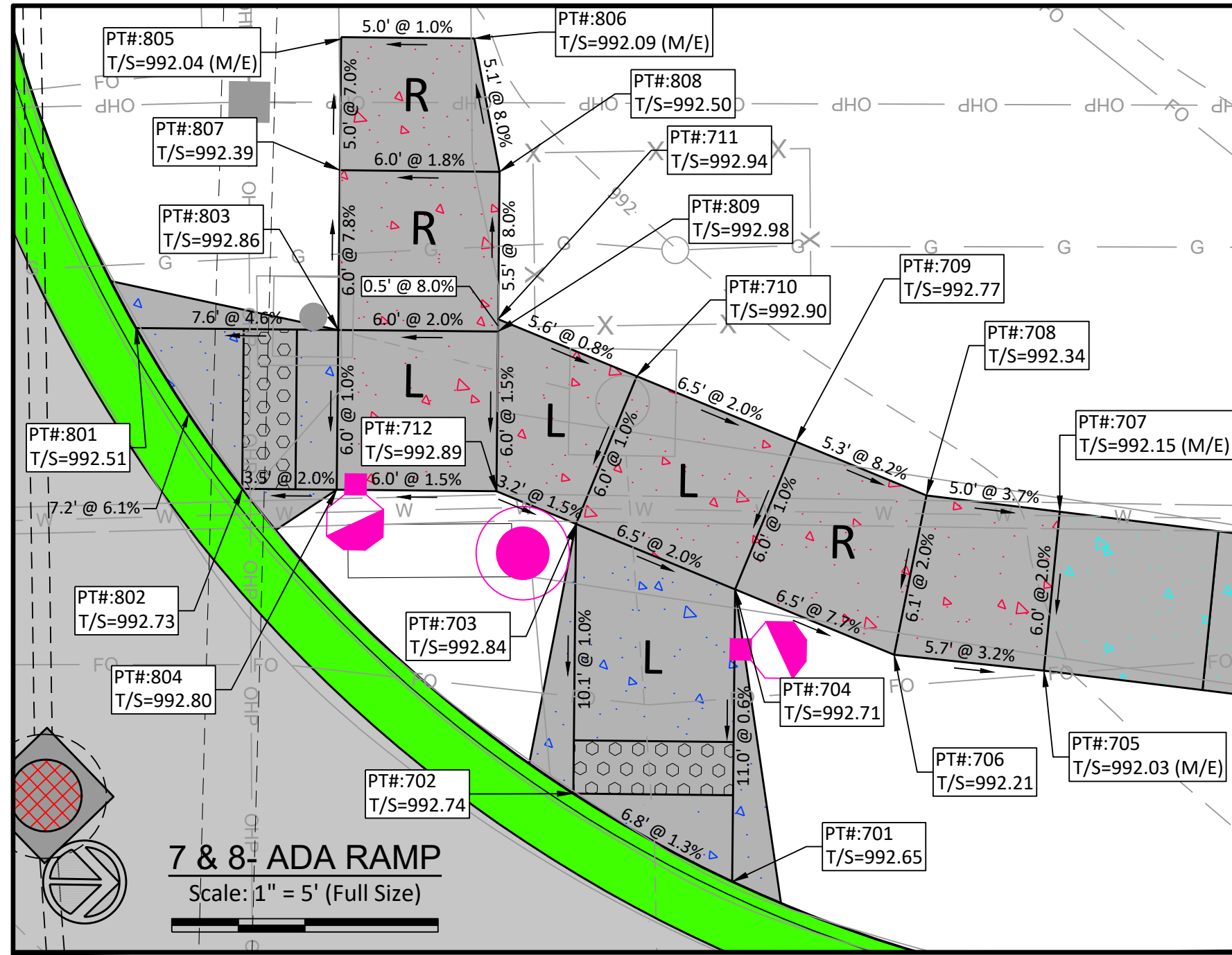
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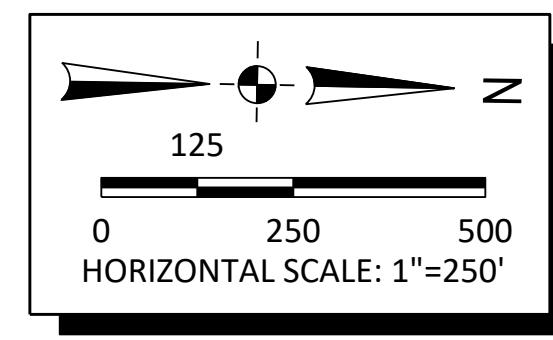
TOPEKA BLVD
IMPROVEMENTS:
PROJECT #701038.00

ADA RAMP DETAILS

DATE: APR 2026
SHEET: 40 OF 122
PROJ.: 701038.00



ADA RAMP #7			ADA RAMP #8		
POINT #	NORTHING	EASTING	POINT #	NORTHING	EASTING
701	251465.13	1969370.78	801	251442.37	1969350.38
702	251459.11	1969367.58	802	251446.47	1969356.35
703	251459.03	1969357.45	803	251449.97	1969350.32
704	251465.05	1969359.80	804	251450.02	1969356.32
705	251476.70	1969362.65	805	251449.89	1969339.32
706	251471.06	1969362.16	806	251454.89	1969339.28
707	251477.19	1969356.67	807	251449.93	1969344.32
708	251472.17	1969356.15	808	251455.93	1969344.27
709	251467.23	1969354.21	809	251455.97	1969350.27
710	251461.21	1969351.86			
711	251455.97	1969349.81			
712	251456.02	1969356.27			

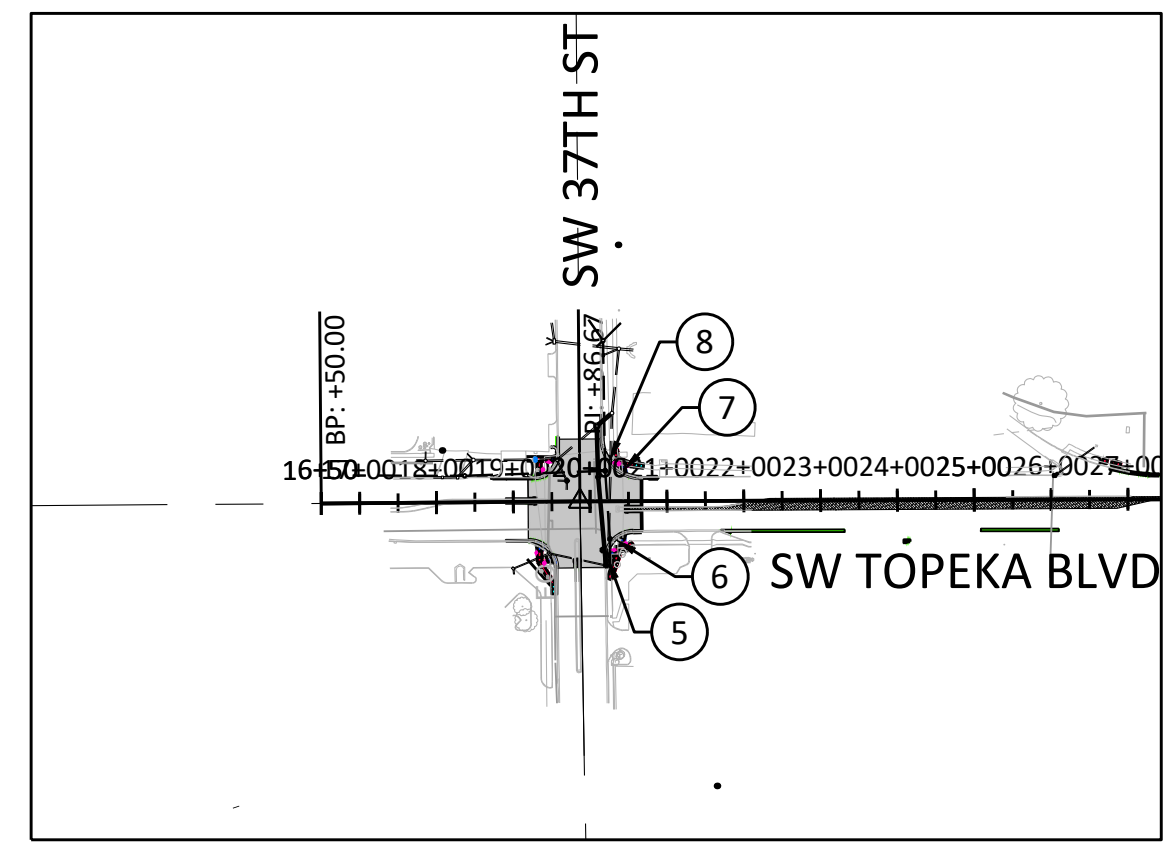


LEGEND

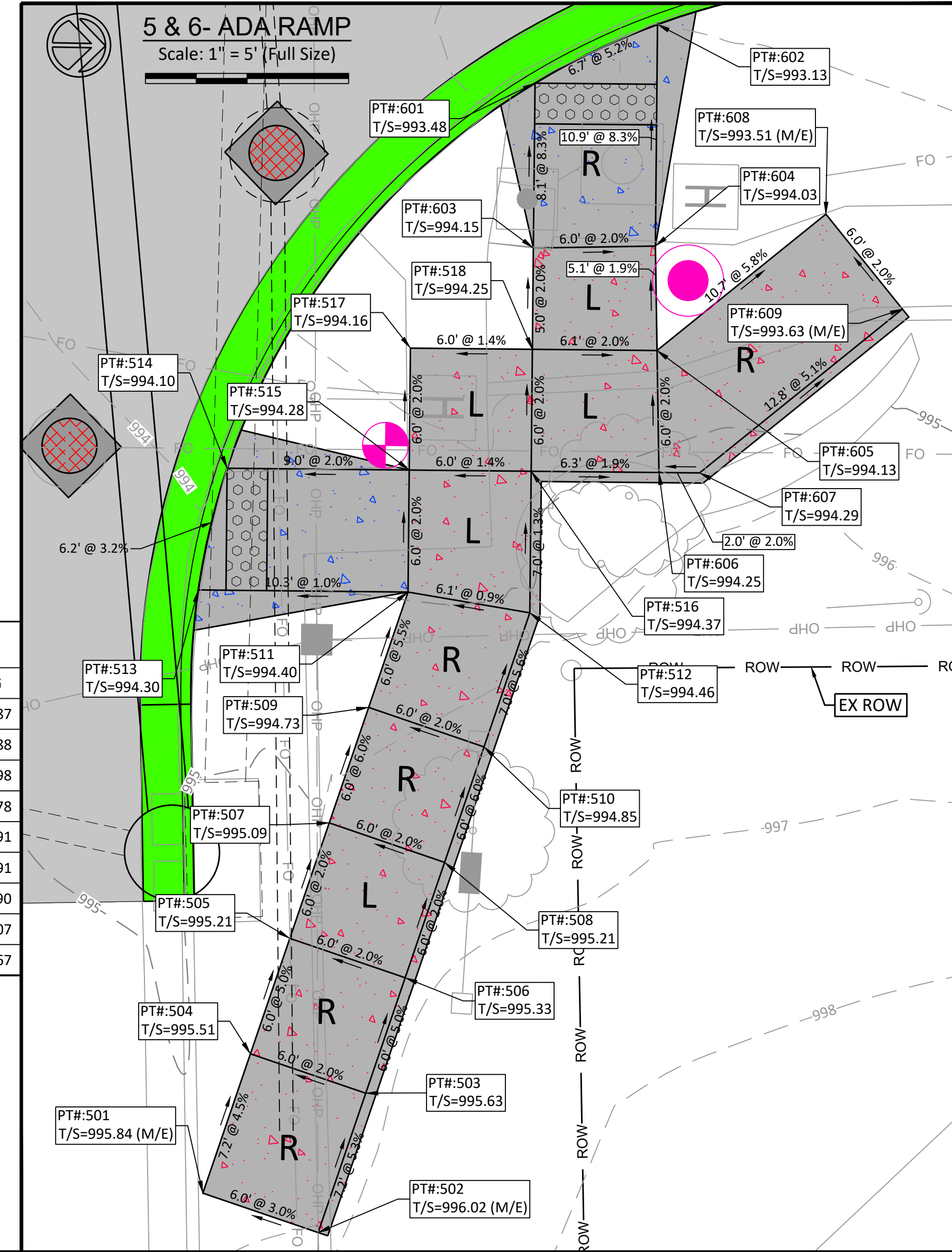
- PROPOSED CONCRETE PAVEMENT/CURB
- PROPOSED ADA SIDEWALK RAMP
- PROPOSED SIDEWALK
- PROPOSED DETECTABLE WARNING
- T/S TOP OF SIDEWALK
- BC BACK OF CURB
- EOP EDGE OF PAVEMENT

TRAFFIC SIGNAL LEGEND:

- PROP SIGNAL POLE
- PROP ADA ACCESSIBLE PEDESTAL SIGNAL (APS) POLE



ADA RAMP #5			ADA RAMP #6		
POINT #	NORTHING	EASTING	POINT #	NORTHING	EASTING
501	251444.37	1969507.74	601	251459.76	1969452.87
502	251450.08	1969509.58	602	251465.74	1969449.88
503	251452.30	1969502.69	603	251459.82	1969460.98
504	251446.59	1969500.85	604	251465.82	1969460.78
505	251448.43	1969495.14	605	251465.99	1969465.91
506	251454.14	1969496.98	606	251466.19	1969471.91
507	251450.27	1969489.43	607	251468.19	1969471.90
508	251455.98	1969491.27	608	251474.18	1969459.07
509	251452.11	1969483.72	609	251478.03	1969463.67
510	251457.82	1969485.56			
511	251453.95	1969478.01			
512	251459.96	1969478.93			
513	251443.63	1969478.09			
514	251444.95	1969472.08			
515	251453.91	1969472.01			
516	251459.91	1969471.96			
517	251453.86	1969466.01			
518	251459.86	1969465.96			



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 IMPROVEMENTS:
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ADA RAMP DETAILS

DATE: APR 2026
 SHEET: 41 OF 122
 PROJ.: 701038.00