

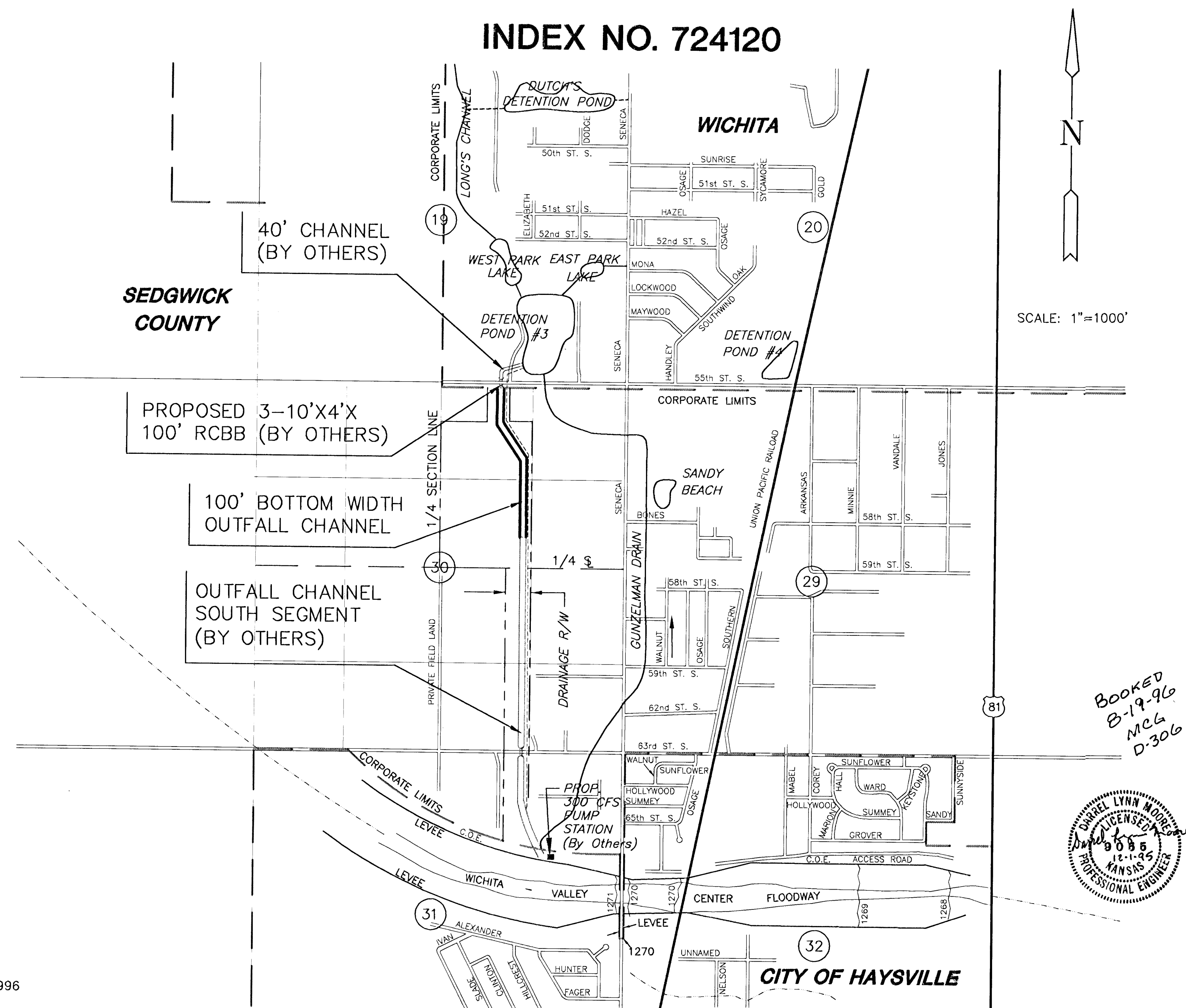
GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.
 2. ALL CONCRETE SHALL BE STANDARD CITY OF WICHITA PAVING MIX UNLESS OTHERWISE NOTED.
 3. UNDERGROUND UTILITY SERVICE LINES AND OVERHEAD UTILITY POLES & LINES ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY IDENTIFY A UTILITY TO BE ADJUSTED BY ITS OWNER DURING CONSTRUCTION. EXISTING UTILITIES AND THEIR LOCATIONS, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD DRAWINGS, OR COMPANY PROVIDED FIELD LOCATIONS. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.
- NOTE: NOTIFY ALL OF THE FOLLOWING COMPANIES FORTY EIGHT (48) HOURS PRIOR TO EXCAVATION:
- | | |
|----------------------------------|--------------------------------------|
| KANSAS ONE-CALL | 1-800-344-7233
(WICHITA) 687-2470 |
| GETTY GAS GATHERING | 1-316-775-6091
(AUGUSTA) |
| KG & E (ELECTRIC) | 1-316-264-1141 |
| KG & E (GAS) | 1-316-832-3169
1-316-832-3180 |
| MULTIMEDIA CABLEVISION | 1-316-262-0661 |
| SOUTHWESTERN BELL TELEPHONE | 1-316-571-2115 |
| CITY OF WICHITA WATER & SEWER | 1-316-268-4908 |
| WILLIAMS NATURAL GAS CO. (TULSA) | 1-918-588-4200
(WICHITA) 524-0491 |
5. ALL GABION & MATTRESS STRUCTURES SHALL HAVE A SOIL FILTER FABRIC (FOR SOIL RETENTION) PLACED UNDER, AT ENDS, AND BEHIND THE STRUCTURES. USE TREVIRA SPUNBOND 1125 GEOTEXTILE EROSION CONTROL FABRIC OR EQUAL.
 6. SPOIL MATERIAL SHALL BE PLACED ON CITY OF WICHITA PROPERTY ADJACENT TO THE IMPROVEMENTS AS SHOWN ON THE DRAWINGS AND AS APPROVED BY THE FIELD ENGINEER. FINAL GRADING WILL BE AT A SLOPE OF 6:1 OR LESS. NATURAL DRAINAGE PATH SHALL BE PRESERVED.
 7. ALL AREAS DISTURBED BY EXCAVATION OF THE CHANNELS AND SPOIL AREAS ABOVE THE NORMAL WATER SURFACE SHALL BE SEEDED AND MULCHED.
 8. RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE AND SITE LOCATION. LOCATIONS THAT, IN THE OPINION OF THE ENGINEER, WILL LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED. ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT. MATERIAL EITHER STOCKPILED OR DISPOSED OF IN A FLOOD PLAIN WILL REQUIRE A KANSAS STATE DEPARTMENT OF AGRICULTURE PERMIT. ANY MATERIAL DUMPED IN WATERS OF THE UNITED STATES OR WETLANDS IS SUBJECT TO U.S. CORPS OF ENGINEERS PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS WILL REQUIRE ADDITIONAL ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.
 9. CONTRACTOR SHALL NOTIFY THE KANSAS CORPORATION COMMISSION, DOUG LOUIS (316-337-6231), BEFORE CONSTRUCTION BEGINS, REGARDING PLUGGED OIL WELLS AND PIPELINES IN THE PROJECT AREA.
 10. CONTRACTOR SHALL NOTIFY THE KANSAS CORPORATION COMMISSION, DOUG LOUIS (316-337-6231), IN THE EVENT ANY ADDITIONAL ABANDONED OIL OR GAS OR EXPLORATORY HOLES ARE ENCOUNTERED, SO THAT THE APPROPRIATE REGULATORY RESPONSE CAN BE MADE.
 11. COASTAL DERBY HAS ABANDONED THEIR WELL FIELD LINES IN THIS AREA. THESE LINES SHALL BE CUT, AS NECESSARY, REMOVED, AND THE REMAINING LINES CAPPED. COASTAL DERBY MAY BE CONTACTED FOR QUESTIONS. (GLEN BERG, 316-291-2416)
 12. STRUCTURES AND OTHER PROPERTY IMPROVEMENTS WITHIN THE PROJECT RIGHT-OF-WAY BETWEEN STA. 67+50 AND STA. 68+90 WILL BE DEMOLISHED AND REMOVED BY OTHERS PRIOR TO JAN. 31, 1996

SOUTH SENECA DRAINAGE IMPROVEMENTS DRAINAGE OUTFALL PROJECT NO. 468-82556 PHASE 2 - NORTH CHANNEL SEGMENT

CITY OF WICHITA, KANSAS
MICHAEL E. LINDEBAK, CITY ENGINEER
NOVEMBER 1995

INDEX NO. 724120



INDEX TO DRAWINGS

Sheet No.	Description
1	TITLE SHEET
2	KEY MAP AND GRADING PLAN
3	CHANNEL PLAN & PROFILE - STA. 48+00 TO STA. 55+00
4	CHANNEL PLAN & PROFILE - STA. 55+00 TO STA. 64+00
5	CHANNEL PLAN & PROFILE - STA. 64+00 TO STA. 68+00
6	CHANNEL AND GABION DETAILS
7-10	CROSS SECTIONS

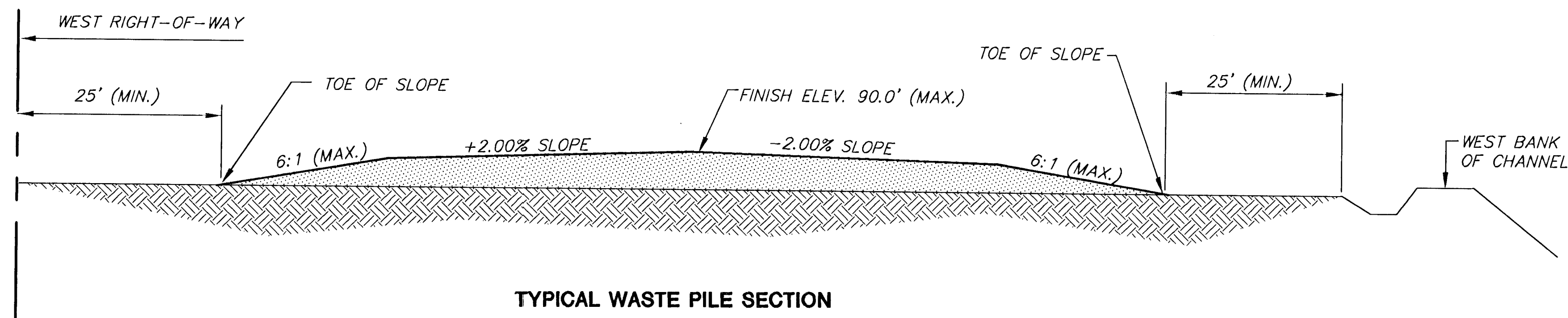
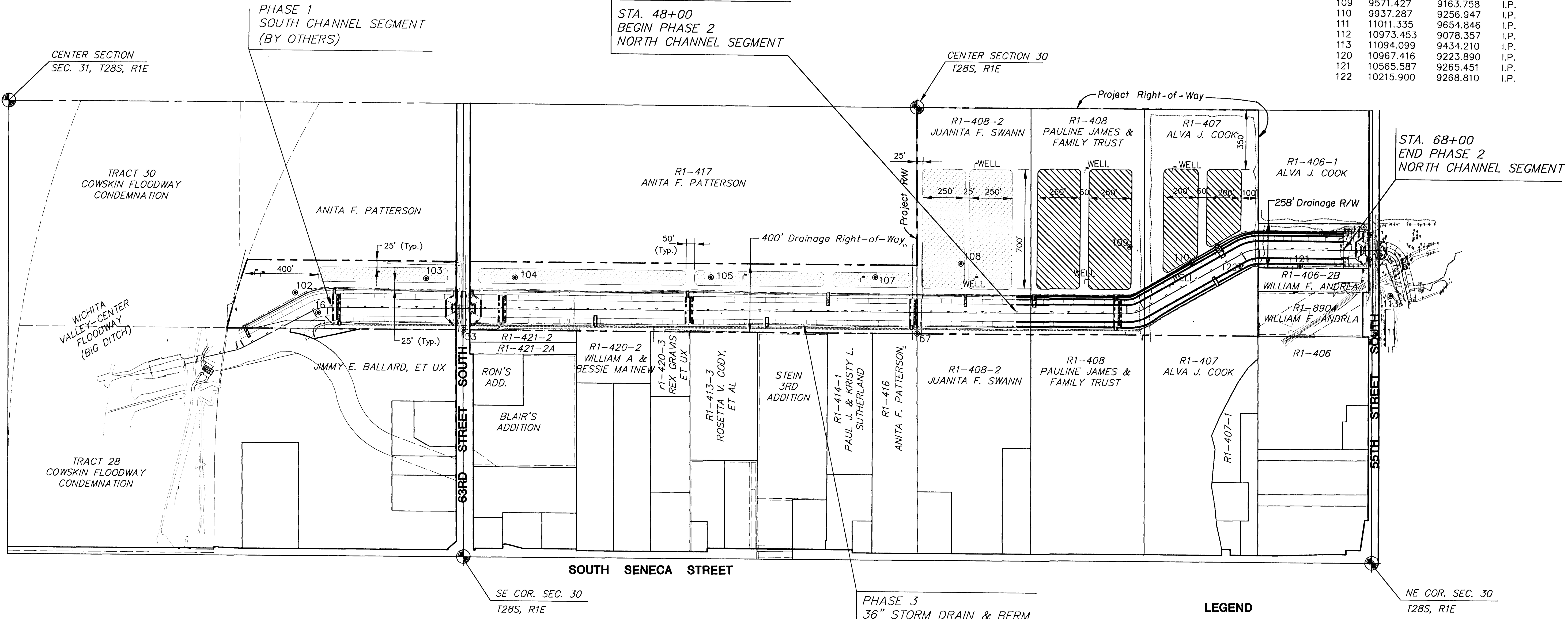
BENCH MARKS

- BM #1 RR SPIKE IN EAST FACE OF 2ND PP NORTH OF 55TH ST. S. ON WEST SIDE OF SENECA ELEV. = 82.48
- BM #2 CHISELED "I" ON EAST END OF N. HEADWALL OF RCB, 1629' WEST & 22' NORTH OF NE COR 55TH ST. S. & SENECA. ELEV. = 85.11
- BM #3 RR SPIKE IN HEDGE TREE, 1329' SOUTH OF NORTH LINE NE 1/4 SEC 30 & 196' WEST OF EAST LINE OF THE WEST 1/2 NE 1/4 SEC 30-T28S-R1E ELEV. = 85.745
- BM #4 RR SPIKE IN WEST FACE OF NORTH LEG OF "H" POLE 67' S. & 77' E OF THE NE COR, NW 1/4, SE 1/4, OF SEC. 30-T28S-R1E ELEV. = 82.355
- BM #5 RR SPIKE IN WEST SIDE OF 24" COTTONWOOD, 1177' NORTH & 7' WEST OF SE COR, SW 1/4, SE 1/4 SEC 30-T28S-R1E ELEV. = 85.11
- BM #6 STEPPED SPIKE IN NORTH FACE PP, 36' SOUTH OF SE COR, SW 1/4, SE 1/4 SEC 30-T28S-R1E ELEV. = 79.63

	SOUTH SENECA DRAINAGE OUTFALL		
	PROJECT NAME		
	NORTH CHANNEL SEGMENT - PHASE 2		
	SHEET TITLE		
MID-KANSAS ENGINEERING CONSULTANTS, INC. 411 N. WEBB ROAD WICHITA, KS. 67206 316-684-9600	DESIGN BY: <u>DPG</u>	DRAWN BY: <u>DPG</u>	CHECKED BY: <u>DPG</u>
11-95	93035	1 / 10	
DATE	JOB NO.	SHEET/OF	

HORIZONTAL CONTROL

PT. NO.	NORTH	EAST	DESC.
1	11000.000	11000.000	I.P.
16	4848.153	9594.697	NAIL
33	5692.883	9688.460	I.P.
37	8322.957	8359.147	I.P.
57	8336.978	9681.769	I.P.
102	4712.758	9479.706	I.P.
103	5471.784	9388.728	I.P.
104	5989.683	9378.673	I.P.
105	7132.195	9364.888	I.P.
107	8088.951	9354.492	I.P.
108	8587.298	9270.673	I.P.
109	9571.427	9163.758	I.P.
110	9937.287	9256.947	I.P.
111	11011.335	9654.846	I.P.
112	10973.453	9078.357	I.P.
113	11094.099	9434.210	I.P.
120	10967.416	9223.890	I.P.
121	10565.587	9265.451	I.P.
122	10215.900	9268.810	I.P.



LEGEND

- 113 HORIZONTAL CONTROL POINT
- EXISTING WASTE PILE LOCATIONS - PHASE 1
- PROPOSED WASTE PILE LOCATIONS - PHASE 2

S. SENECA DRAINAGE OUTFALL-PHASE 2
PROJECT NAME

KEY MAP & GRADING PLAN
SHEET TITLE

MID-KANSAS ENGINEERING CONSULTANTS, INC.
411 N. WEBB ROAD
WICHITA, KS. 67206
316-684-9600

DESIGN BY: DLM DRAWN BY: DPG CHECKED BY: JNJ

DATE: 11-95 JOB NO.: 93035 SHEET/OF: 2 / 10

SCALE: 1" = 40' HORIZ.
1" = 5' VERT.

RI-408-2
JUANITA F. SWANN

RI-408
PAULINE JAMES
& FAMILY TRUST

RI-407
ALMA J. COOK

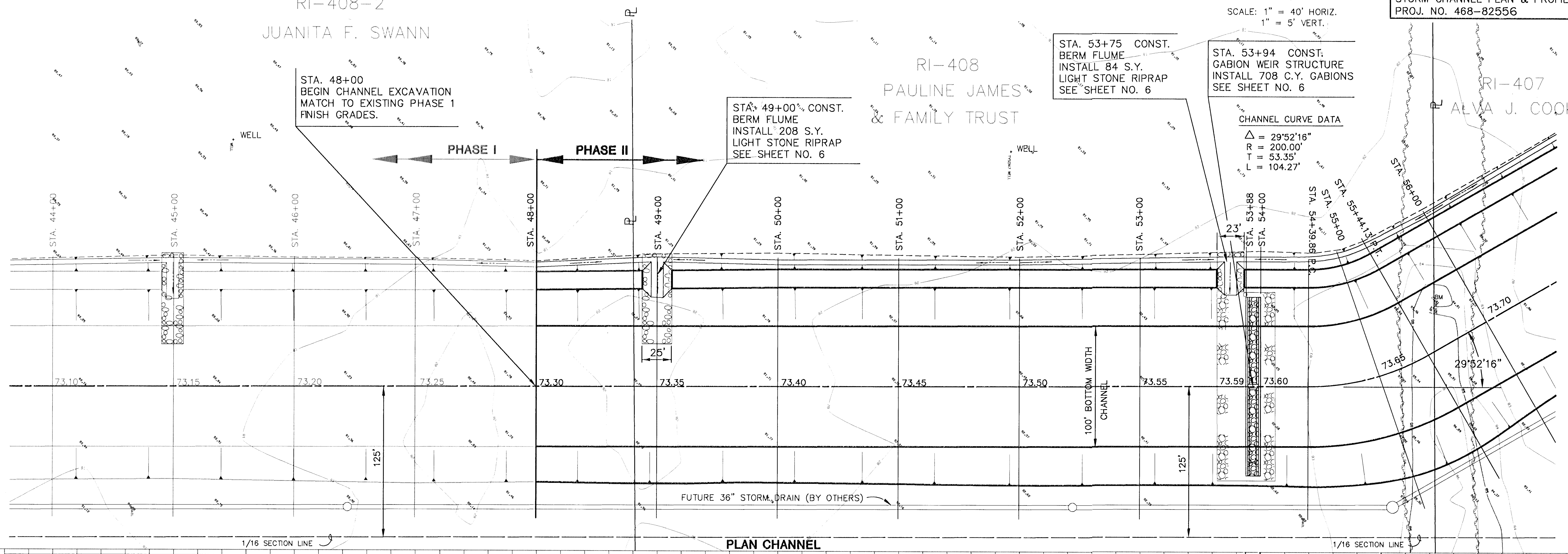
STA. 53+75 CONST.
BERM FLUME
INSTALL 84 S.Y.
LIGHT STONE RIPRAP
SEE SHEET NO. 6

STA. 53+94 CONST.
GABION WEIR STRUCTURE
INSTALL 708 C.Y. GABIONS
SEE SHEET NO. 6

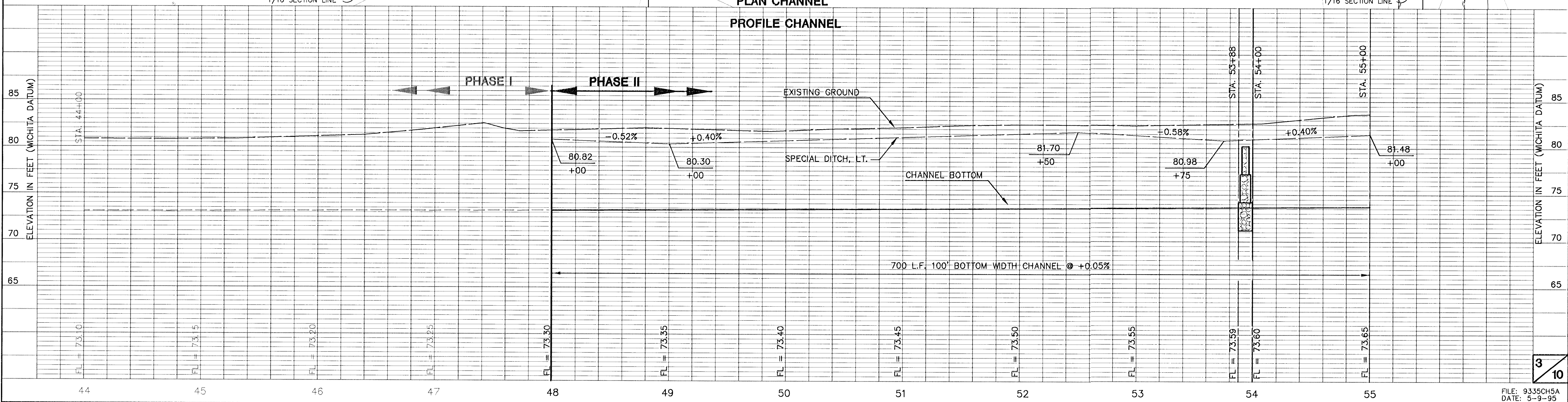
CHANNEL CURVE DATA
 $\Delta = 29^{\circ}52'16''$
 $R = 200.00'$
 $T = 53.35'$
 $L = 104.27'$

STA. 48+00
BEGIN CHANNEL EXCAVATION
MATCH TO EXISTING PHASE 1
FINISH GRADES.

STA. 49+00 CONST.
BERM FLUME
INSTALL 208 S.Y.
LIGHT STONE RIPRAP
SEE SHEET NO. 6



PLAN CHANNEL
PROFILE CHANNEL



6: VICTH AERIAL PHOTOGRAPHY, Inc. Nov 22, 1995, 11: 18 1995

SCALE: 1" = 40' HORIZ.
1" = 5' VERT.

CHANNEL CURVE DATA

$\Delta = 29^{\circ}52'15"$
 $R = 200.00'$
 $T = 53.35'$
 $L = 104.27'$

STA. 61+00 CONST.
BERM FLUME
INSTALL 305 S.Y.
LIGHT STONE RIPRAP
SEE SHEET NO. 6

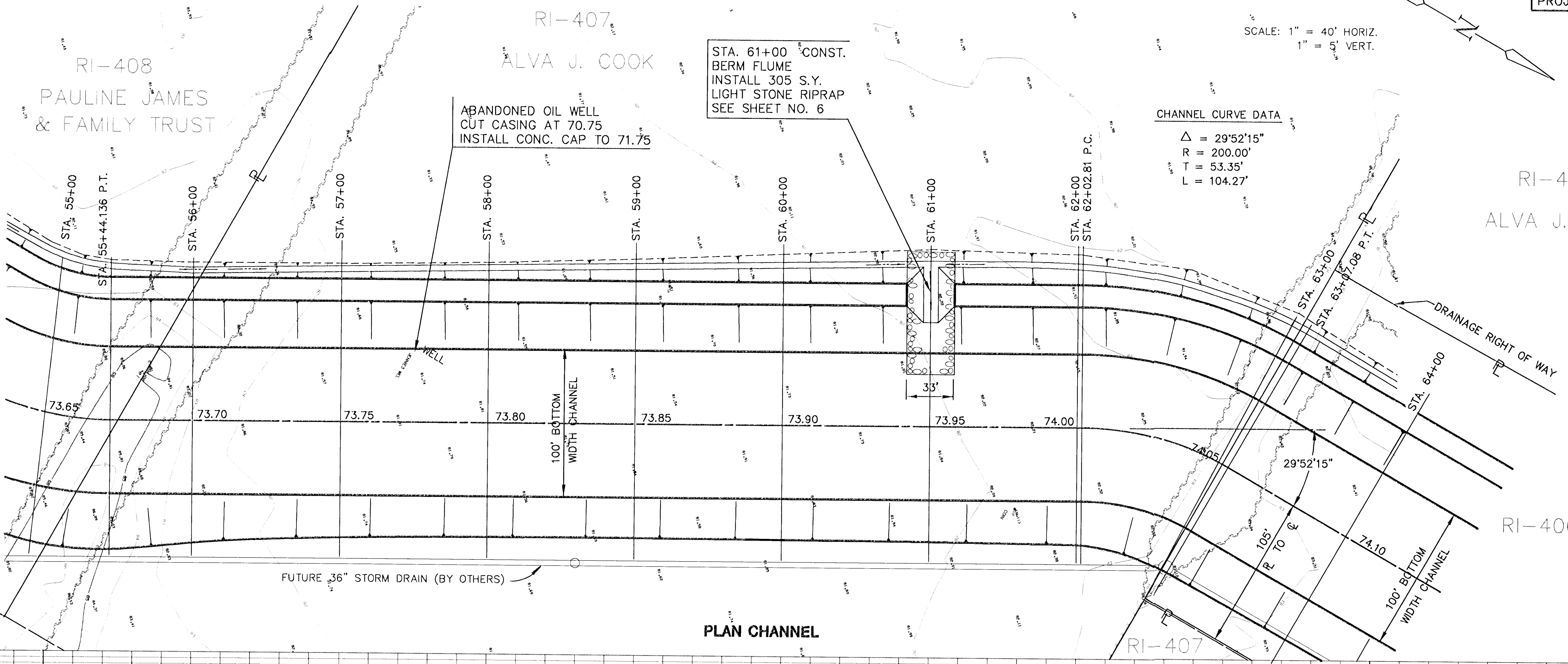
ABANDONED OIL WELL
CUT CASING AT 70.75
INSTALL CONC. CAP TO 71.75

RI-408
PAULINE JAMES
& FAMILY TRUST

RI-407
ALVA J. COOK

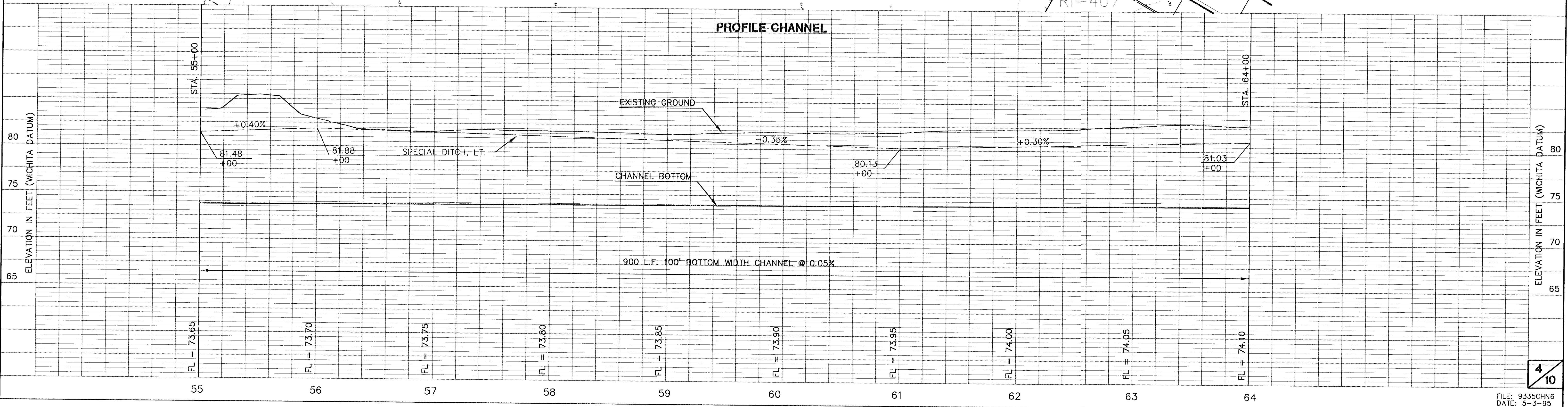
RI-406-1
ALVA J. COOK

RI-406-2



PLAN CHANNEL

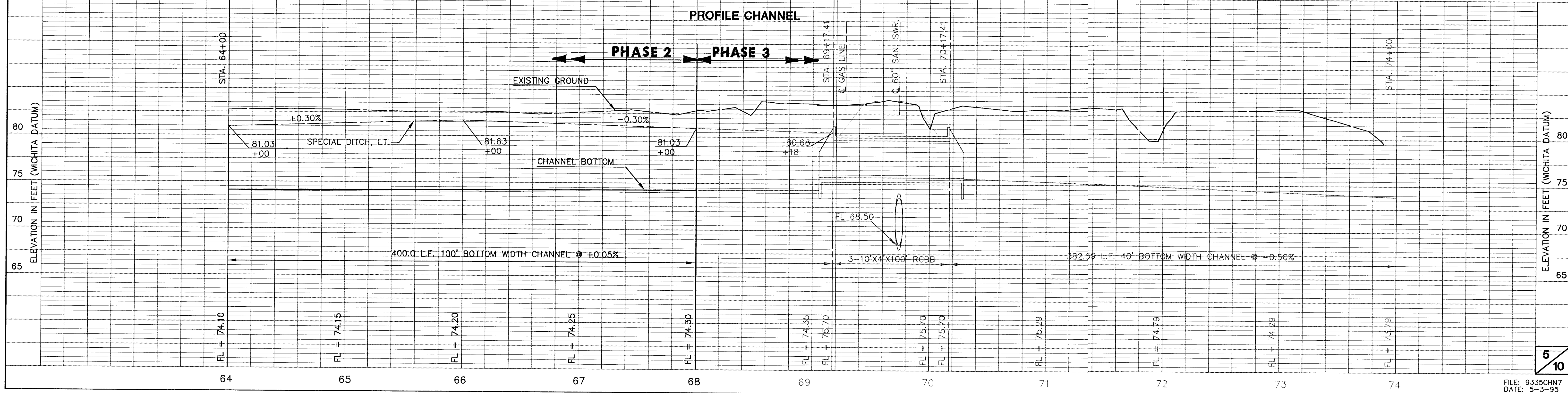
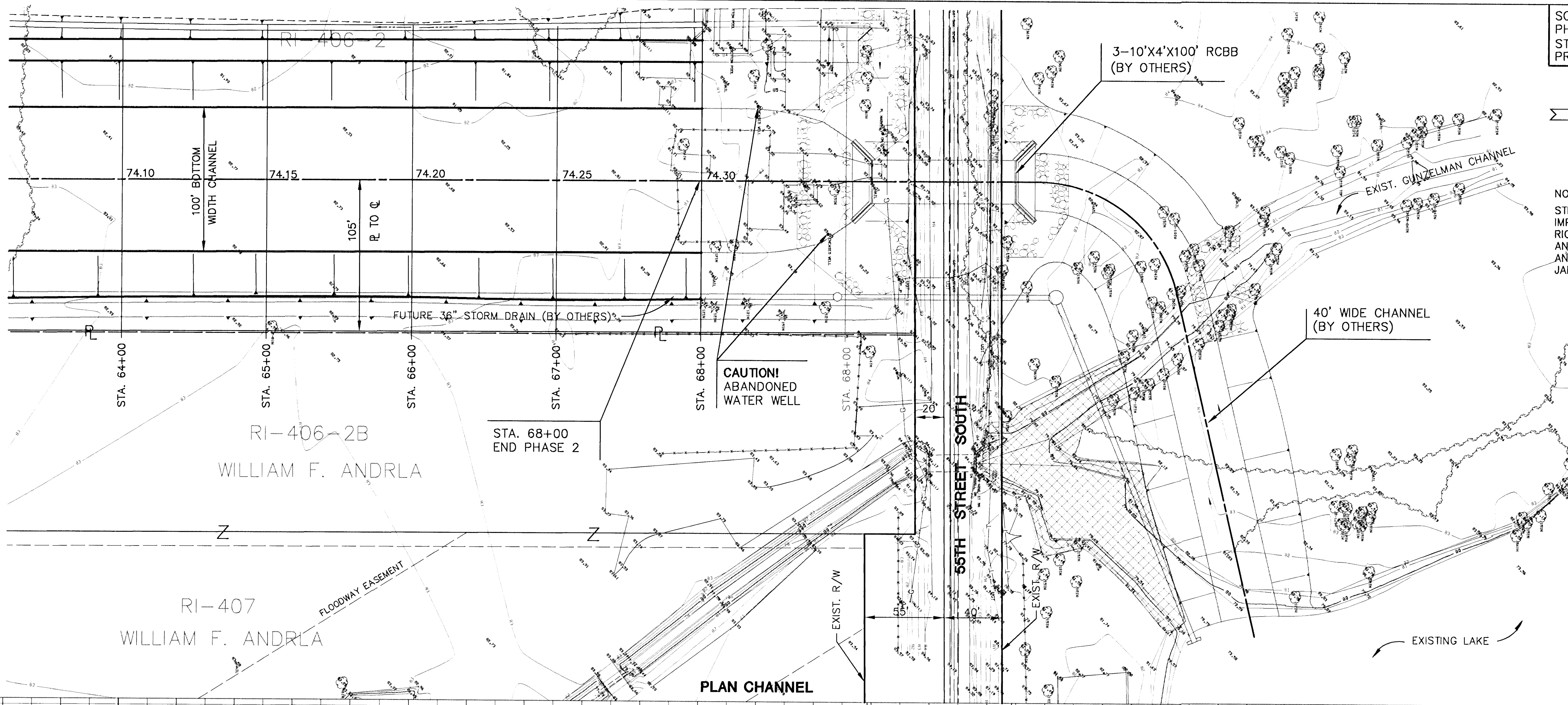
PROFILE CHANNEL

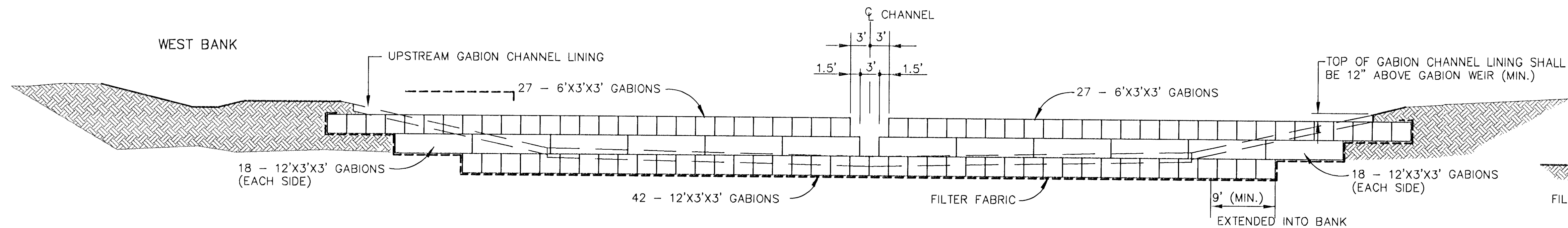


SOUTH SENECA DRAINAGE OUTFALL
PHASE 2
STORM CHANNEL PLAN & PROFILE
PROJ. NO. 468-82556

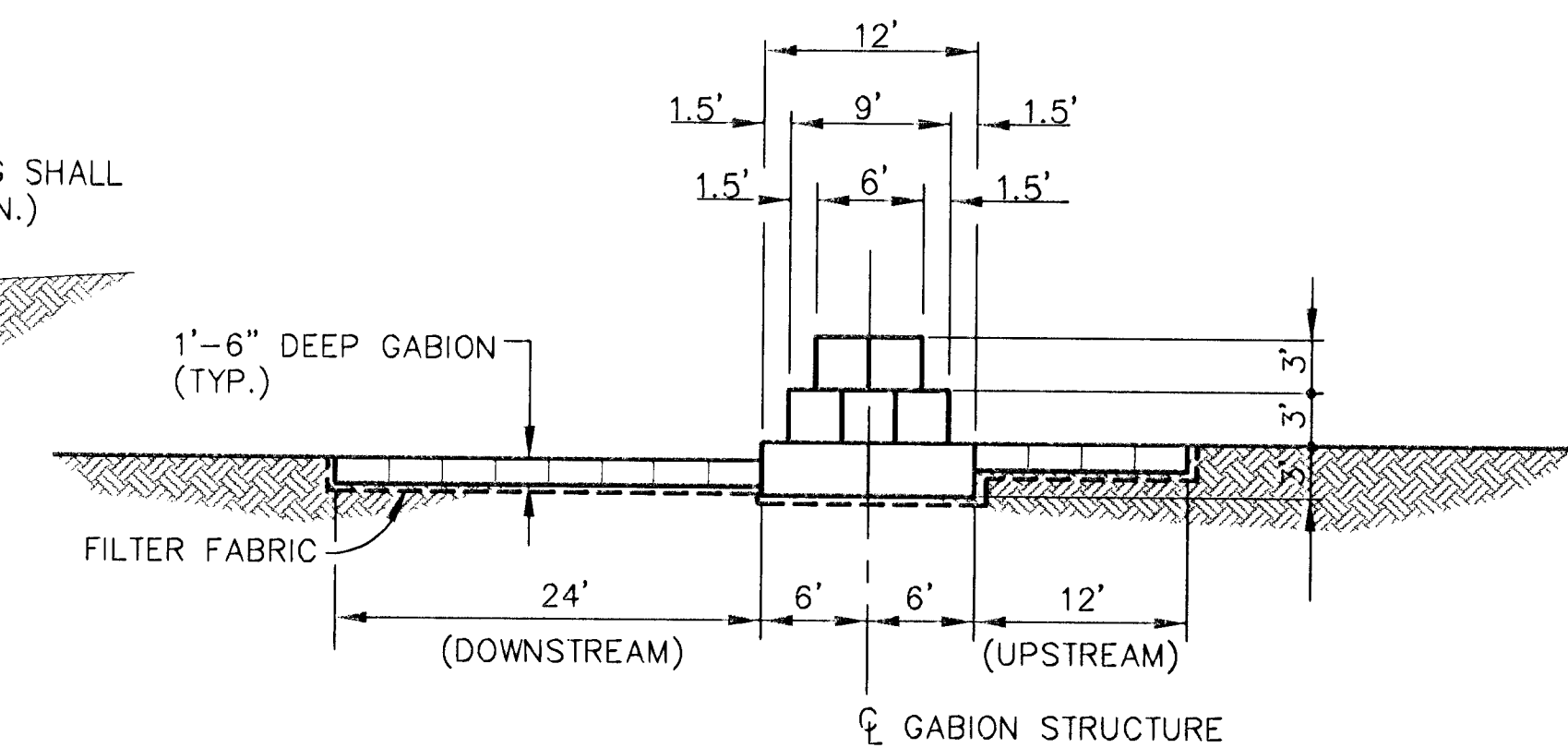
SCALE: 1" = 40' HORIZ.
1" = 5' VERT.

NOTE:
STRUCTURES AND OTHER PROPERTY
IMPROVEMENTS WITHIN THE PROJECT
RIGHT-OF-WAY BETWEEN STA. 67+50
AND STA. 68+90 WILL BE DEMOLISHED
AND REMOVED BY OTHERS PRIOR TO
JANUARY 31, 1996

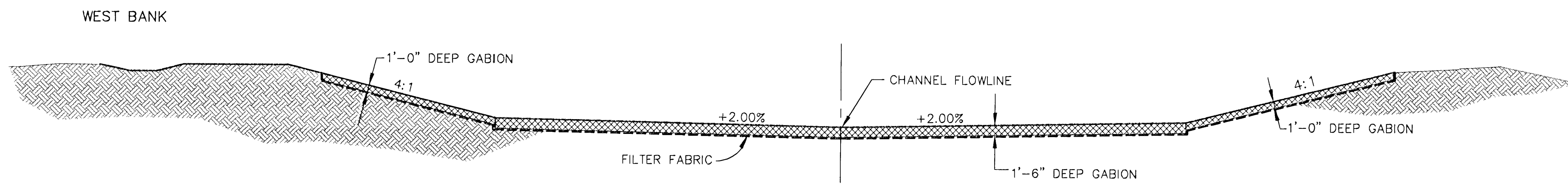




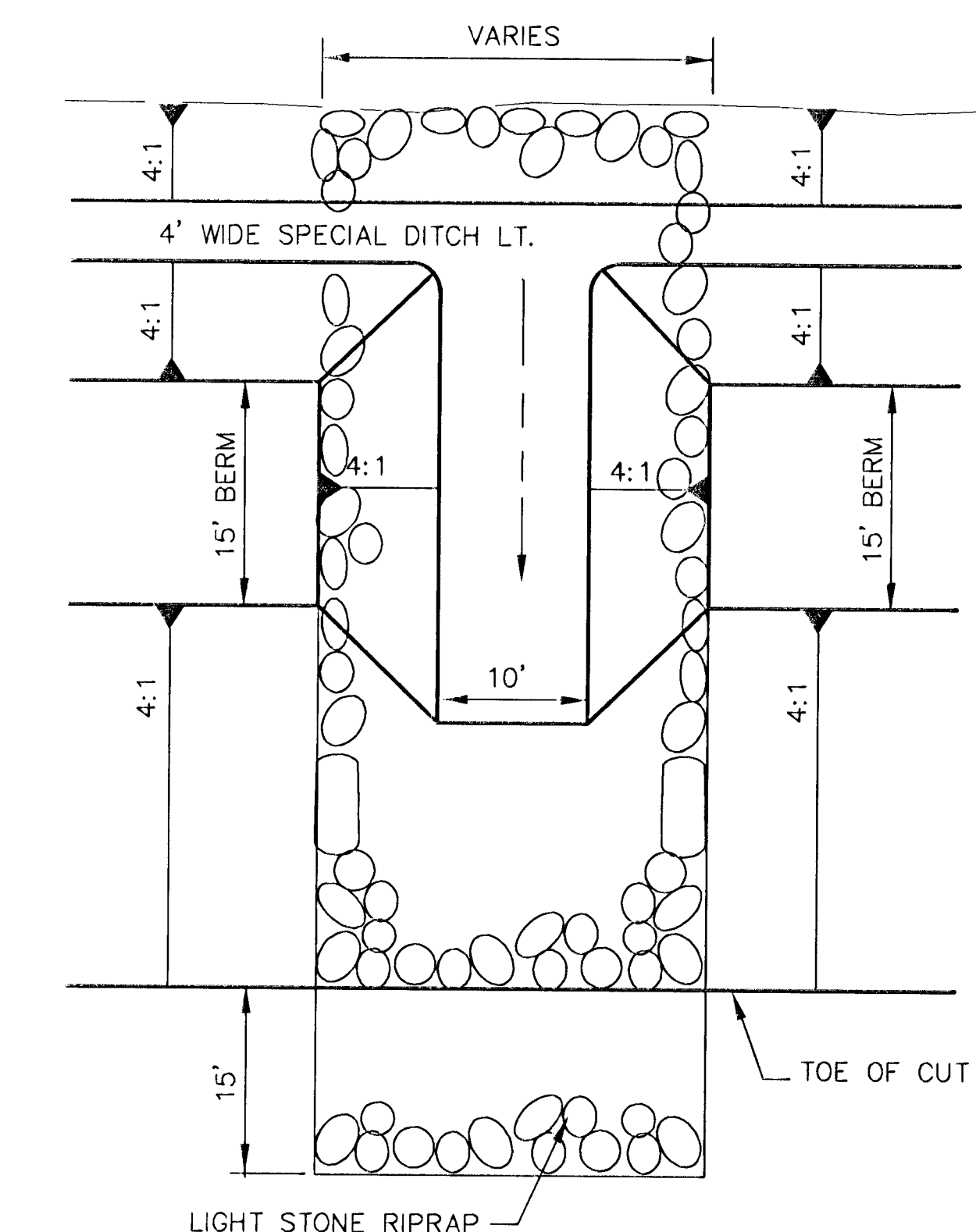
GABION WEIR ELEVATION



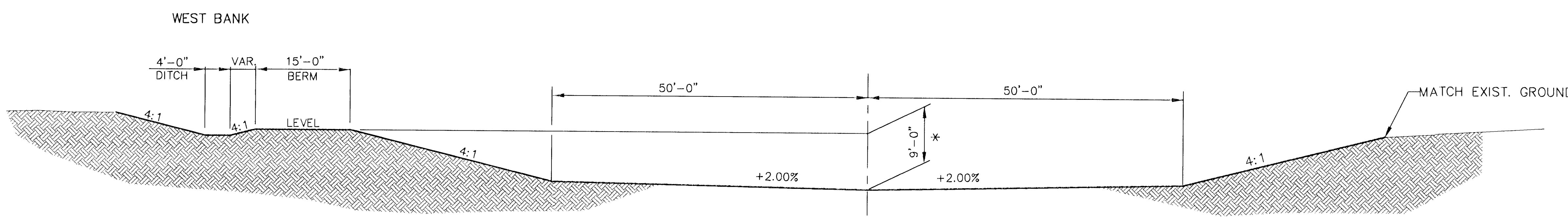
TYPICAL GABION WEIR SECTION



TYPICAL GABION MATTRESS SECTION

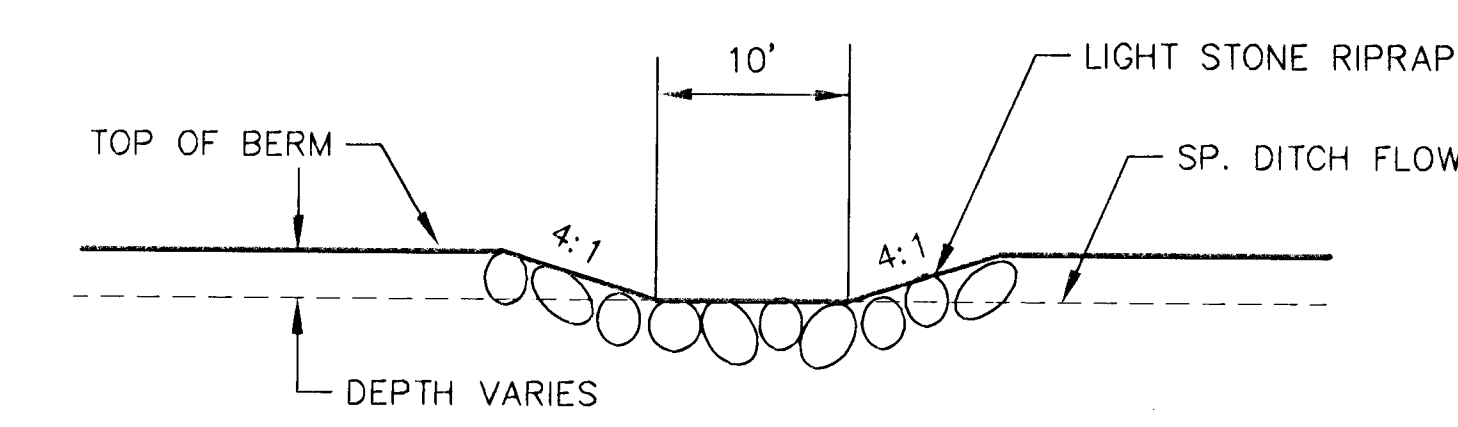


BERM FLUME PLAN

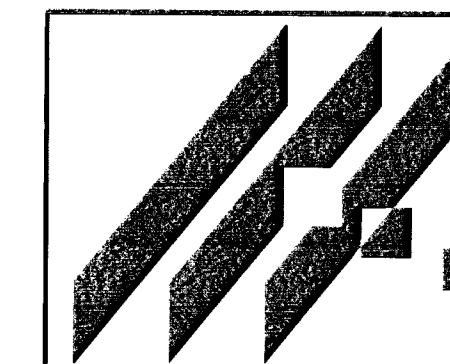


100' BOTTOM CHANNEL SECTION

STA. 50+00 TO STA. 68+00
 * TRANSITION FROM 8'-6" AT STA. 48+00
 TO 9'-0" AT STA. 50+00



BERM FLUME ELEVATION



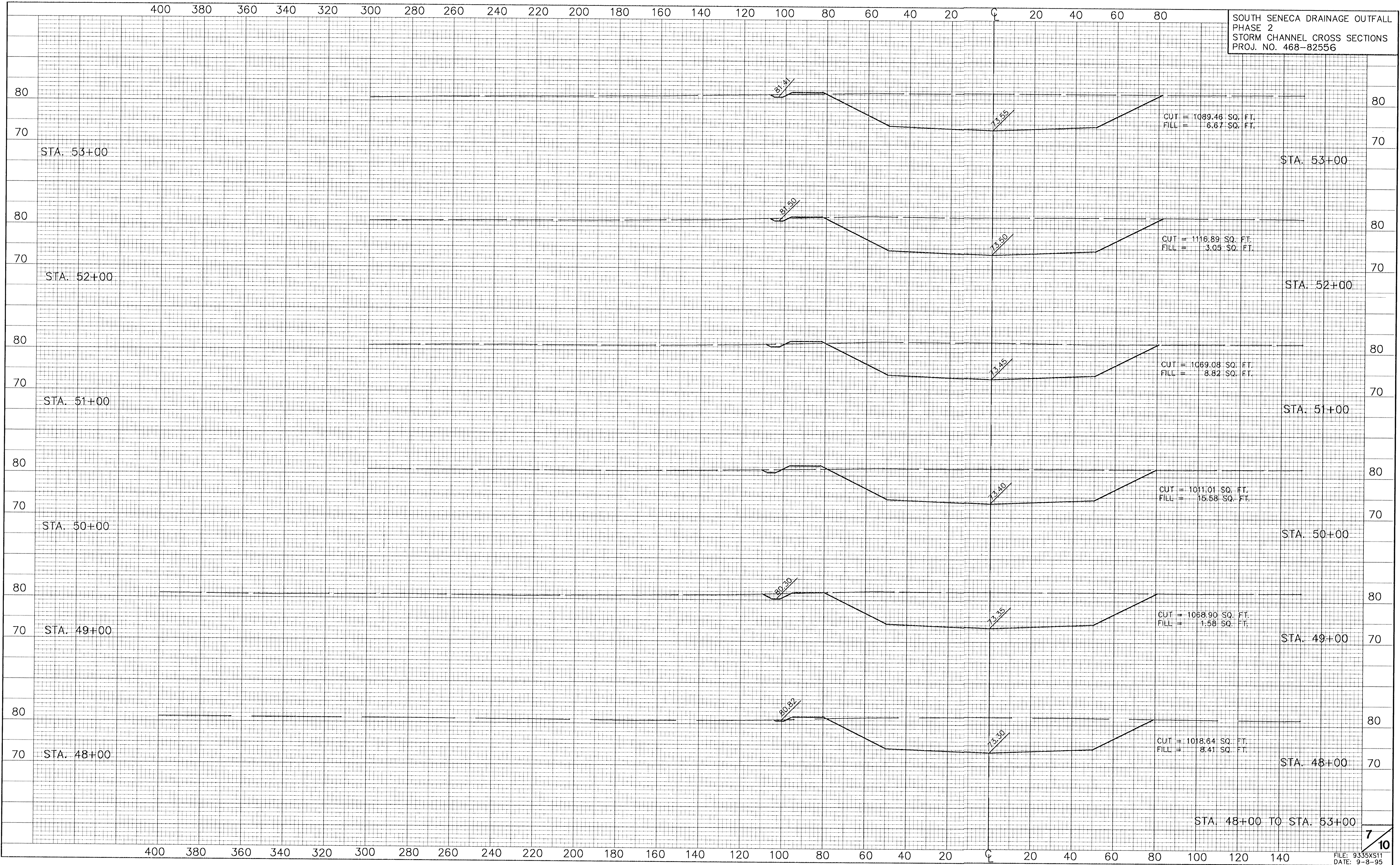
MID-KANSAS ENGINEERING
 CONSULTANTS, INC.
 411 N. WEBB ROAD
 WICHITA, KS. 67206
 316-684-9600

S. SENECA DRAINAGE OUTFALL\PHASE2
 PROJECT NAME

CHANNEL AND GABION WEIR DETAILS
 SHEET TITLE

JNJ DESIGN BY:	DPG DRAWN BY:	DLM CHECKED BY:
11-95 DATE	93035 JOB NO.	6 / 10 SHEET/OF

SOUTH SENECA DRAINAGE OUTFALL
PHASE 2
STORM CHANNEL CROSS SECTIONS
PROJ. NO. 468-82556



6 \CITY\A3035\A30355512 - 1st Rev.dwg 17:22:09 10/95

