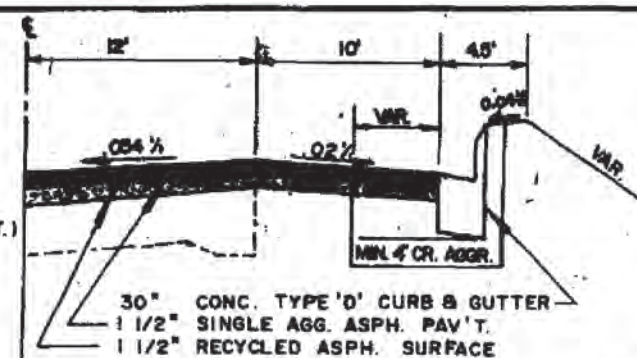


PROPOSED INTERSECTION & PASSING LANE
U.S.H. 10 - C.T.H. "A"
1533-07-71
SCALE: 1" = 20'

30 MPH
RL=270-72.3
 $\Delta=47^{\circ}-45'$
D=5'-00"
T=507.2'
L=955.0'
R=1148.9'
SE=0.050% (EXISTING CONC. PAV'T.)
SE=0.034% (PROPOSED)



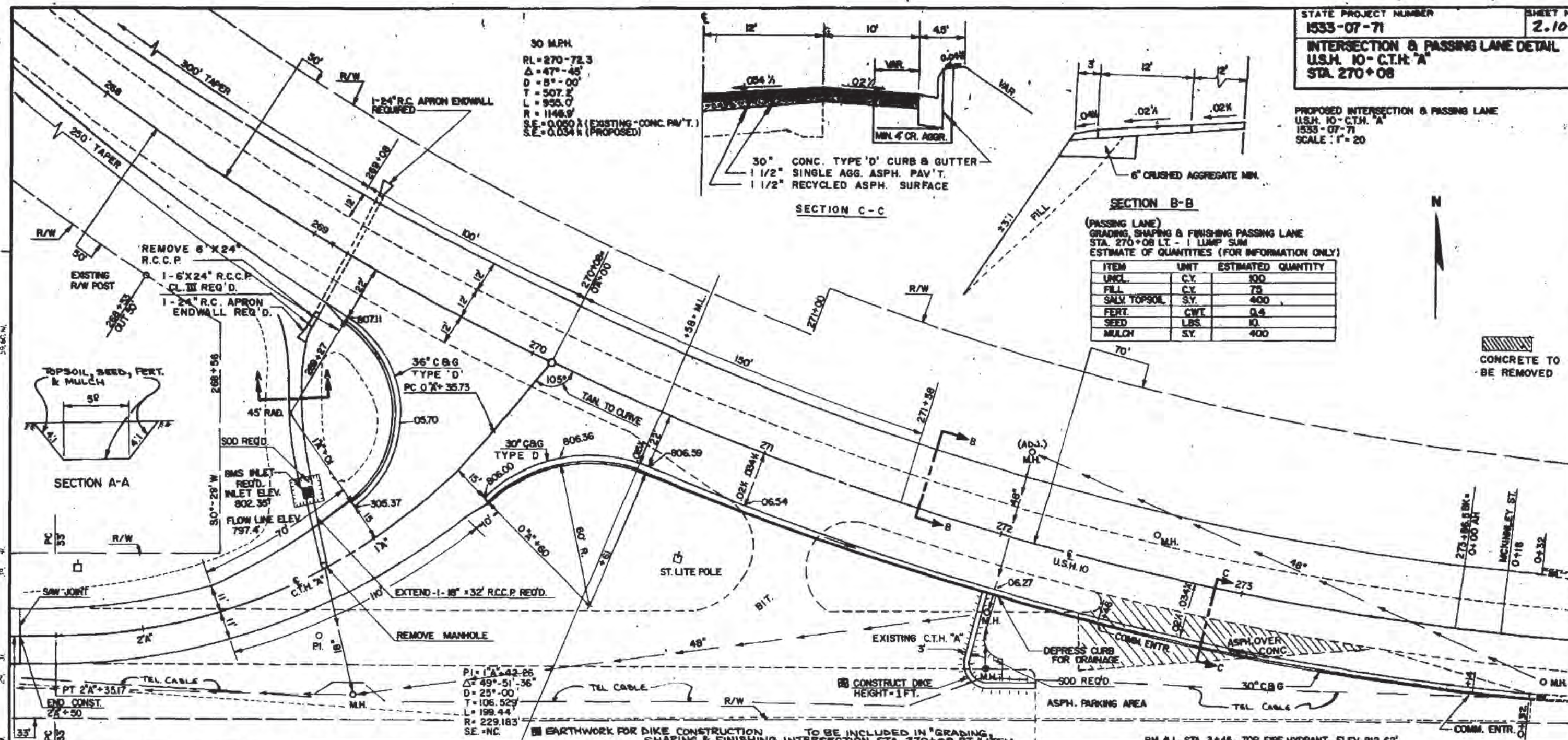
SECTION C-C

SECTION B-B

(PASSING LANE)
GRADING, SHAPING & FINISHING PASSING LANE
STA. 270+08 LT. - 1 LUMP SUM
ESTIMATE OF QUANTITIES (FOR INFORMATION ONLY)

ITEM	UNIT	ESTIMATED QUANTITY
UNCL.	CY	100
FILL	CY	75
SALV. TOPSOIL	SY	400
FERT.	CWT	0.4
SEED	LBS	10
MULCH	SY	400

CONCRETE TO BE REMOVED



(TYPE "B" INTERSECTION REQ'D.)
GRADING, SHAPING, & FINISHING INTERSECTION, C.T.H. "A"
STA. 270+08 RT. - LUMP SUM
ESTIMATE OF QUANTITIES (FOR INFORMATION ONLY)

ITEM	UNIT	ESTIMATED QUANTITIES
UNCL.	CY	600
FILL	CY	300 *
SALV. TOPSOIL	SY	3500
SEEDING	LBS	65
FERTILIZER	CWT	2.2
MULCHING	SY	3500

* BASED ON AIR VOLUME

EARTHWORK FOR DIKE CONSTRUCTION
TO BE INCLUDED IN "GRADING, SHAPING & FINISHING INTERSECTION, STA. 270+08 RT." ITEM

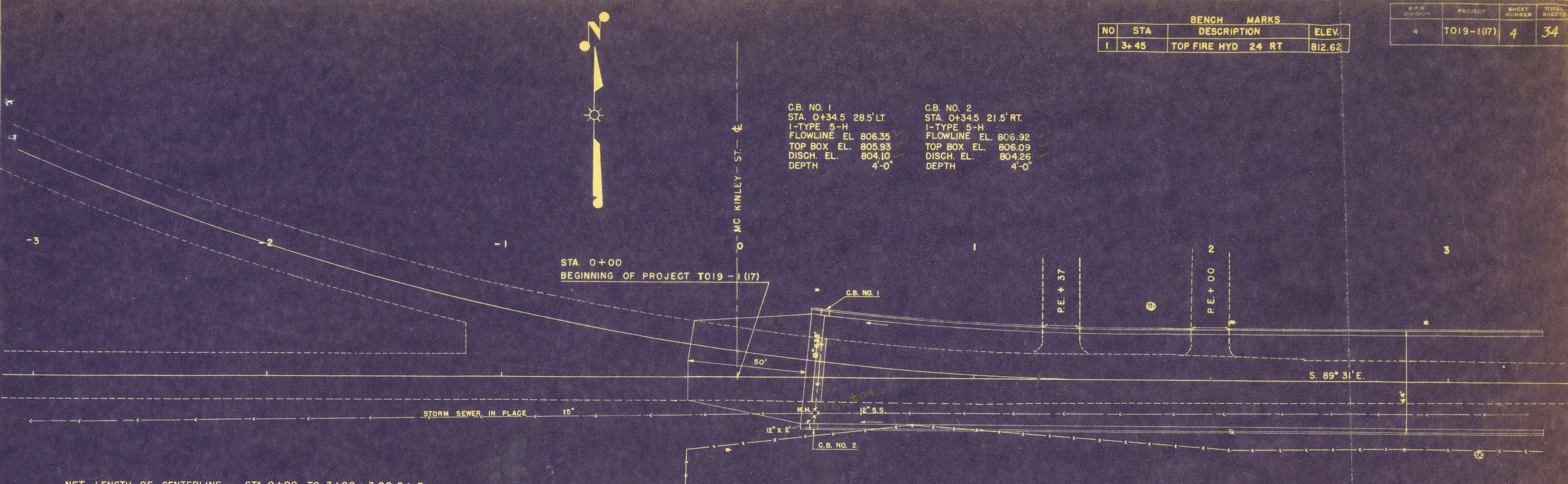
BM #1 - STA. 3+45 - TOP FIRE HYDRANT - ELEV. 812.62'

BENCH MARKS			
NO	STA	DESCRIPTION	ELEV.
1	3+45	TOP FIRE HYD 24 RT	812.62

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	TO19-1(17)	4	34

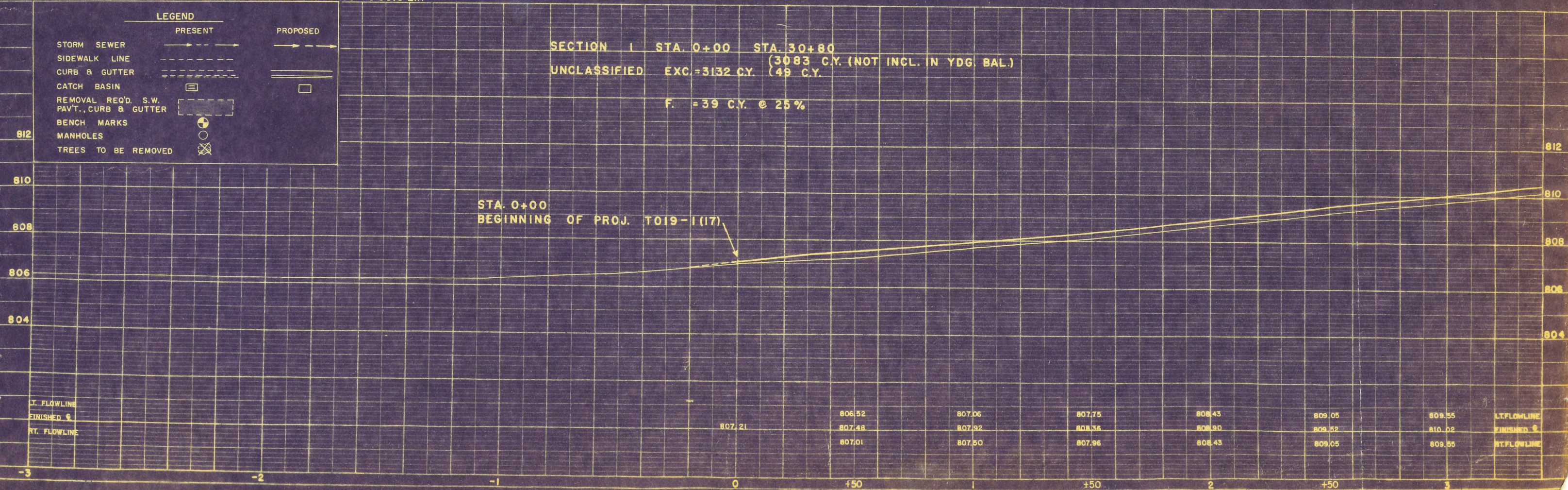
C.B. NO. 1
 STA. 0+34.5 28.5' LT.
 I-TYPE 5-H
 FLOWLINE EL. 806.35
 TOP BOX EL. 805.93
 DISCH. EL. 804.10
 DEPTH 4'-0"

C.B. NO. 2
 STA. 0+34.5 21.5' RT.
 I-TYPE 5-H
 FLOWLINE EL. 806.92
 TOP BOX EL. 806.09
 DISCH. EL. 804.26
 DEPTH 4'-0"



NET LENGTH OF CENTERLINE — STA. 0+00 TO 3+00 = 3 00.0 L.F.

SECTION 1 STA. 0+00 STA. 3+00
 UNCLASSIFIED EXC.=3132 CY. (3083 C.Y. (NOT INCL. IN YDG. BAL.)
 F. =39 C.Y. @ 25%



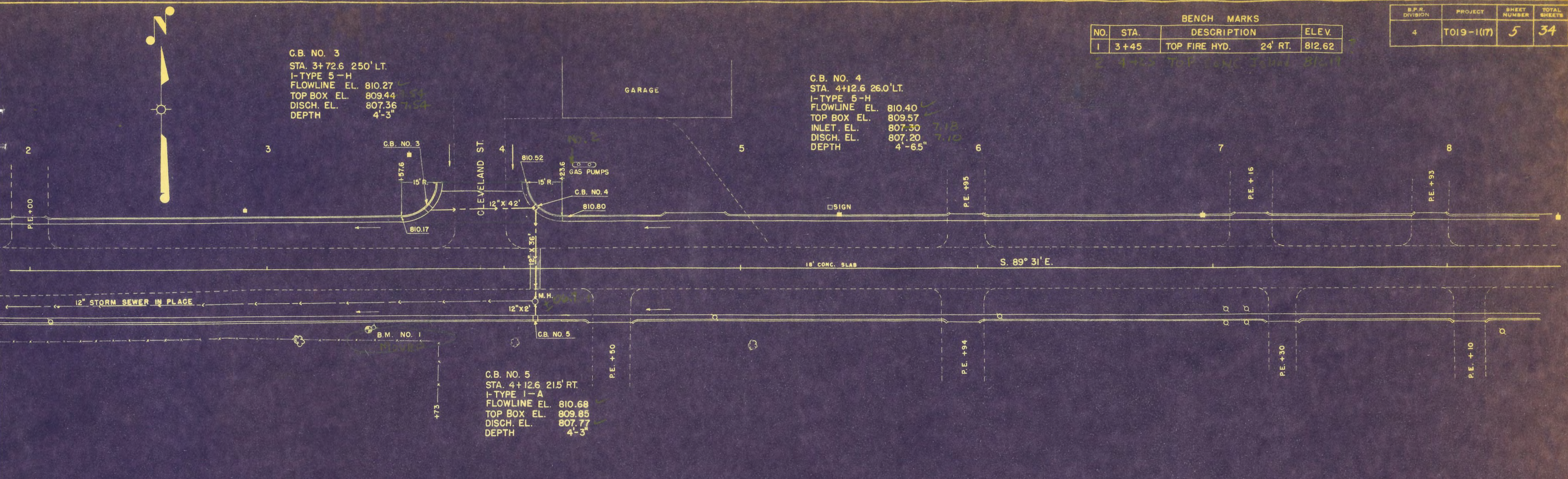
B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	TO19-1(17)	5	34

BENCH MARKS			
NO.	STA.	DESCRIPTION	ELEV.
1	3+45	TOP FIRE HYD.	24' RT. 812.62

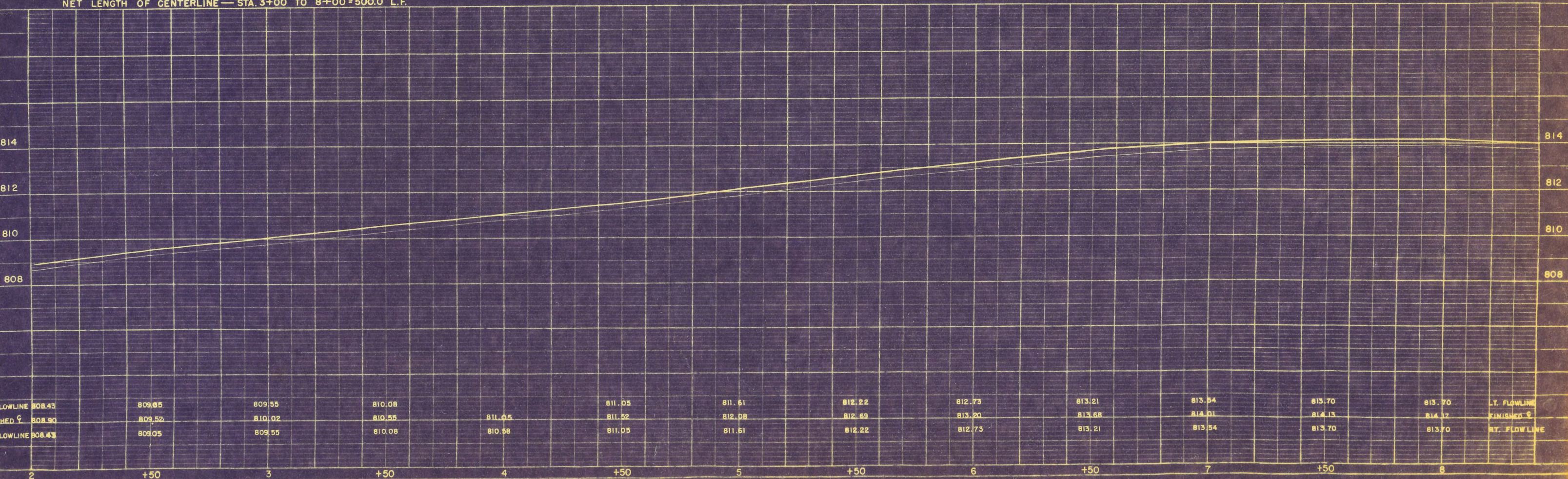
C.B. NO. 3
 STA. 3+72.6 250' LT.
 I-TYPE 5-H
 FLOWLINE EL. 810.27
 TOP BOX EL. 809.44
 DISCH. EL. 807.36
 DEPTH 4'-3"

C.B. NO. 4
 STA. 4+12.6 260' LT.
 I-TYPE 5-H
 FLOWLINE EL. 810.40
 TOP BOX EL. 809.57
 INLET EL. 807.30
 DISCH. EL. 807.20
 DEPTH 4'-6.5"

C.B. NO. 5
 STA. 4+12.6 215' RT.
 I-TYPE 1-A
 FLOWLINE EL. 810.68
 TOP BOX EL. 809.85
 DISCH. EL. 807.77
 DEPTH 4'-3"



NET LENGTH OF CENTERLINE—STA. 3+00 TO 8+00=500.0 L.F.



LOWLINE 808.43	809.05	809.55	810.08	811.05	811.61	812.22	812.73	813.21	813.54	813.70	813.70	LT. FLOWLINE
FINISHED GROUND 808.43	809.52	810.02	810.55	811.05	812.08	812.69	813.20	813.68	814.01	814.13	814.17	FINISHED GROUND
LOWLINE 808.43	809.05	809.55	810.08	811.05	811.61	812.22	812.73	813.21	813.54	813.70	813.70	RT. FLOWLINE

BENCH MARKS			
NO.	STA.	DESCRIPTION	ELEV.
2	12+54	FIRE HYD.	24' RT. 814.13

S.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	T019-107	6	34

C.B. NO. 6
STA. 9+55.74 26.04' LT.
I-TYPE 5-H
FLOWLINE EL. 812.58
TOP BOX EL. 811.75
DISCH. EL. 809.67
DEPTH 4'-3"

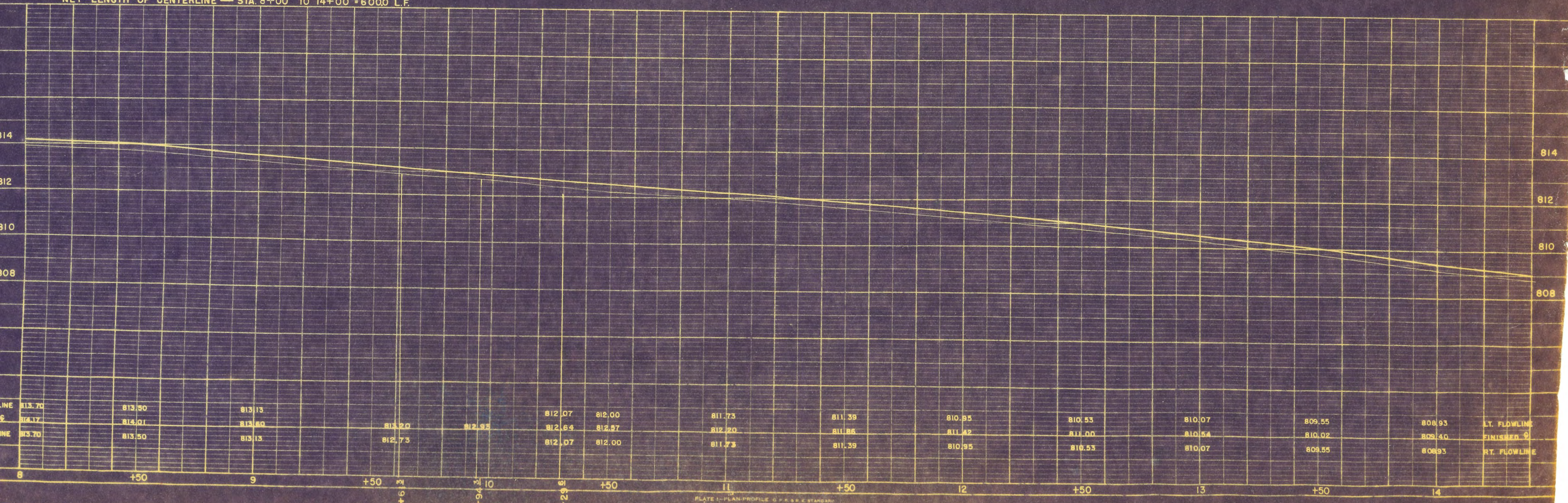
C.B. NO. 8
STA. 9+99.94 26.04' LT.
I-TYPE 5-H
FLOWLINE EL. 812.16
TOP BOX EL. 811.43
DISCH. EL. 809.35
DEPTH 4'-3"

C.B. NO. 9
STA. 12+87 21.5' LT.
I-TYPE 5-H
FLOWLINE EL. 810.18
TOP BOX EL. 809.35
DISCH. EL. 807.25
DEPTH 4'-3"

C.B. NO. 7
STA. 9+65.4 21.5' RT.
I-TYPE 5-H
FLOWLINE EL. 812.60
TOP BOX EL. 811.77
DISCH. EL. 809.69
DEPTH 4'-3"

C.B. NO. 10
STA. 12+87 21.5' RT.
I-TYPE 5-H
FLOWLINE EL. 810.18
TOP BOX EL. 809.35
DISCH. EL. 807.25
DEPTH 4'-3"

NET LENGTH OF CENTERLINE — STA. 8+00 TO 14+00 = 6000 L.F.



BENCH MARKS			
NO.	STA.	DESCRIPTION.	ELEV.
3	18+20	FIRE HYD. 24' RT.	810.71

S.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	TO 19-1(17)	7	34

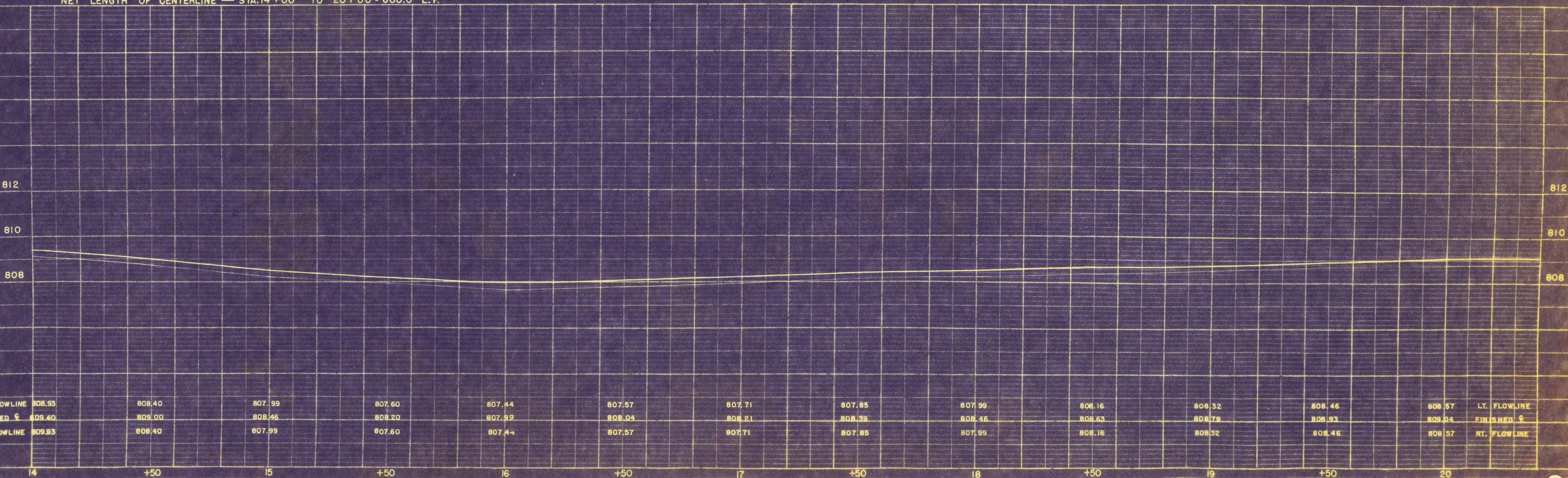
C.B. NO. 11
STA. 16+02 21.5' LT.
I-TYPE 5-H
FLOWLINE EL. 807.44
TOP BOX EL. 806.94
DISCH. EL. 805.11
DEPTH 4'-0"

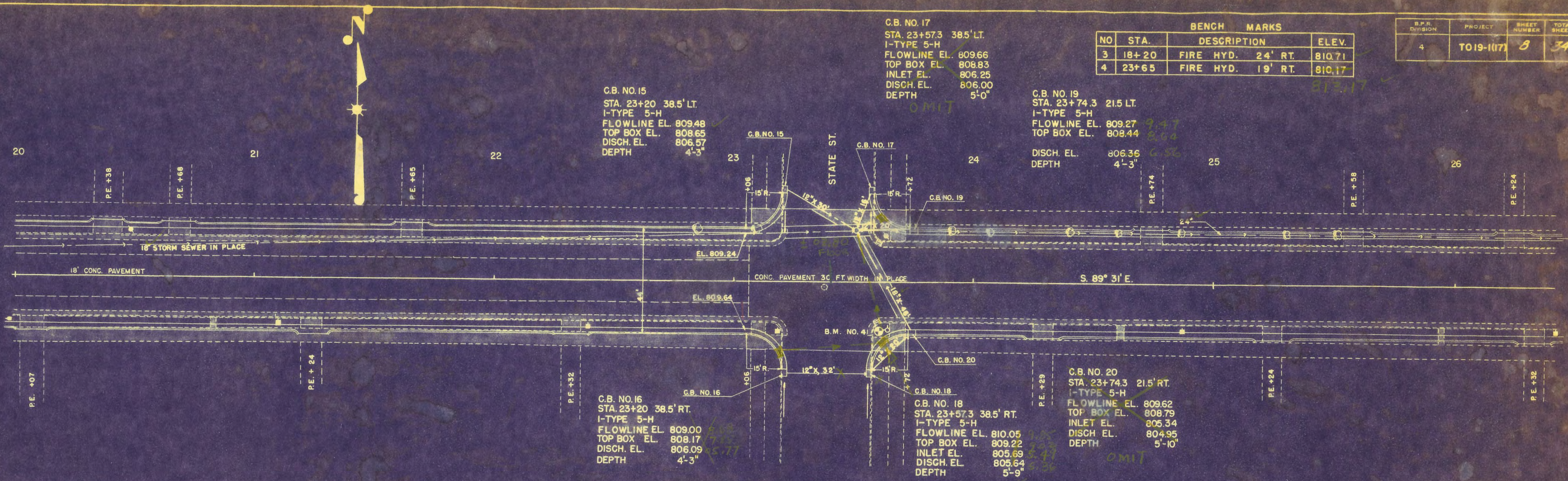
C.B. NO. 13
STA. 19+50 21.5' LT.
I-TYPE 5-H
FLOWLINE EL. 808.46
TOP BOX EL. 807.60
DISCH. EL. 805.52
DEPTH 4'-3"

C.B. NO. 12
STA. 16+02 21.5' RT.
I-TYPE 5-H
FLOWLINE EL. 807.44
TOP BOX EL. 806.94
DISCH. EL. 805.11
DEPTH 4'-0"

C.B. NO. 14
STA. 19+50 21.5' RT.
I-TYPE 5-H
FLOWLINE EL. 808.46
TOP BOX EL. 807.60
DISCH. EL. 805.52
DEPTH 4'-3"

NET LENGTH OF CENTERLINE — STA. 14+00 TO 20+00 = 600.0 L.F.





C.B. NO. 17
STA. 23+57.3 38.5' LT.
I-TYPE 5-H
FLOWLINE EL. 809.66
TOP BOX EL. 808.83
INLET EL. 806.25
DISCH. EL. 806.00
DEPTH 5'-0"
OMIT

BENCH MARKS			
NO	STA.	DESCRIPTION	ELEV.
3	18+20	FIRE HYD. 24' RT.	810.71
4	23+65	FIRE HYD. 19' RT.	810.17

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	TO19-11(17)	8	34

C.B. NO. 15
STA. 23+20 38.5' LT.
I-TYPE 5-H
FLOWLINE EL. 809.48
TOP BOX EL. 808.65
DISCH. EL. 806.57
DEPTH 4'-3"

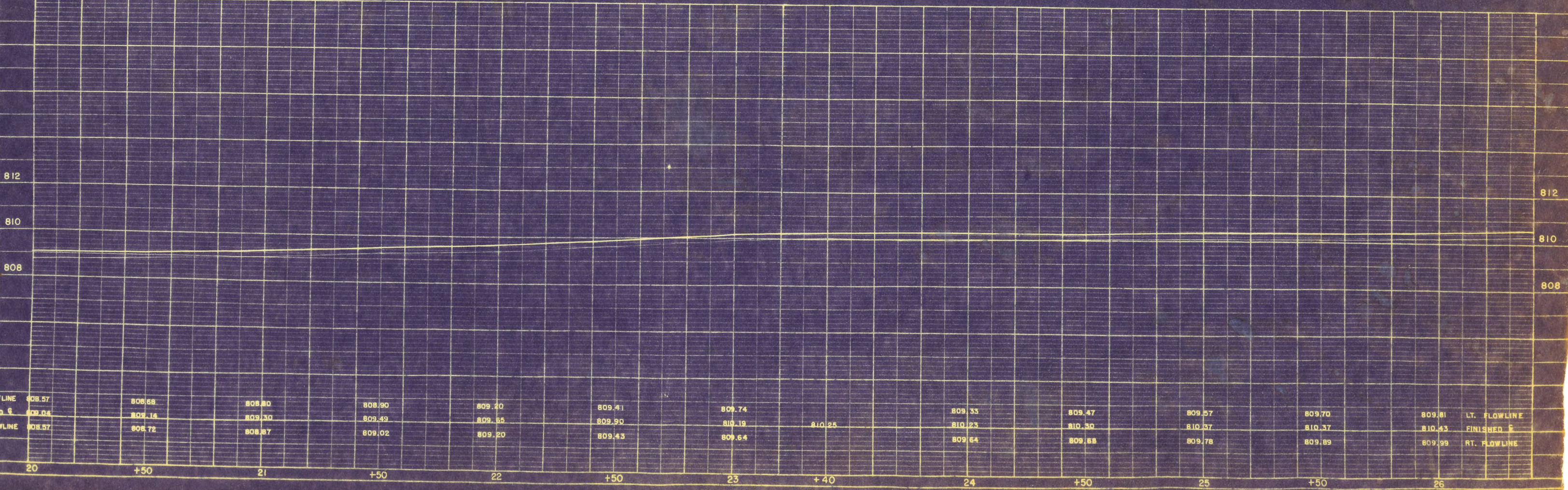
C.B. NO. 19
STA. 23+74.3 21.5 LT.
I-TYPE 5-H
FLOWLINE EL. 809.27
TOP BOX EL. 808.44
DISCH. EL. 806.36
DEPTH 4'-3"

C.B. NO. 16
STA. 23+20 38.5' RT.
I-TYPE 5-H
FLOWLINE EL. 809.00
TOP BOX EL. 808.17
DISCH. EL. 806.09
DEPTH 4'-3"

C.B. NO. 18
STA. 23+57.3 38.5' RT.
I-TYPE 5-H
FLOWLINE EL. 810.05
TOP BOX EL. 809.22
INLET EL. 805.69
DISCH. EL. 805.64
DEPTH 5'-9"

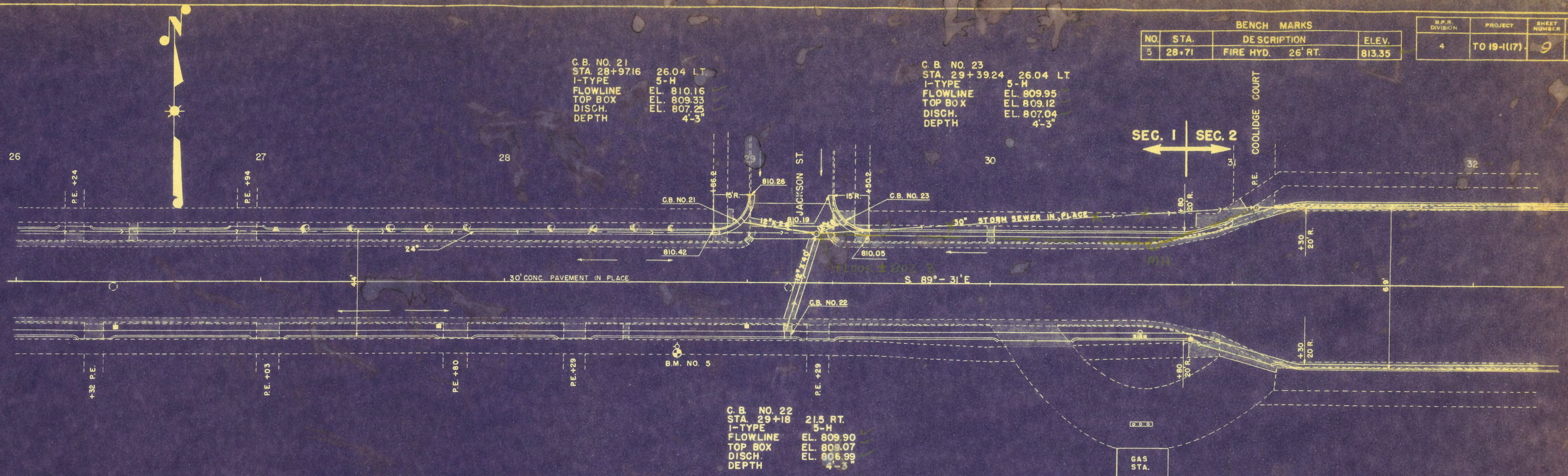
C.B. NO. 20
STA. 23+74.3 21.5 RT.
I-TYPE 5-H
FLOWLINE EL. 809.62
TOP BOX EL. 808.79
INLET EL. 805.34
DISCH. EL. 804.95
DEPTH 5'-10"
OMIT

NET LENGTH OF CENTERLINE — STA. 20+00 TO 26+00 = 600.0 L.F.



BENCH MARKS			
NO.	STA.	DESCRIPTION	ELEV.
5	28+71	FIRE HYD. 26' RT.	813.35

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	TO 19-1(17)	9	34



C. B. NO. 23
STA. 29+39.24 26.04 LT.
I-TYPE 5-H
FLOWLINE EL. 809.95
TOP BOX EL. 809.12
DISCH. EL. 807.04
DEPTH 4'-3"

C.B. NO. 22
STA. 29+16 21.5 RT.
1-TYPE 5-H
FLOWLINE EL. 809.9
TOP BOX EL. 809.0
DISCH. EL. 806.9
DEPTH 4'-3"

NET LENGTH OF CENTERLINE — STA. 26+00 TO 30+80 — SEC. I =	480.0 L.F.
NET LENGTH OF CENTERLINE — STA. 30+80 TO 32+00 — SEC. II =	120.0 L.F.
SHEET TOTAL = 600.0 L.F.	

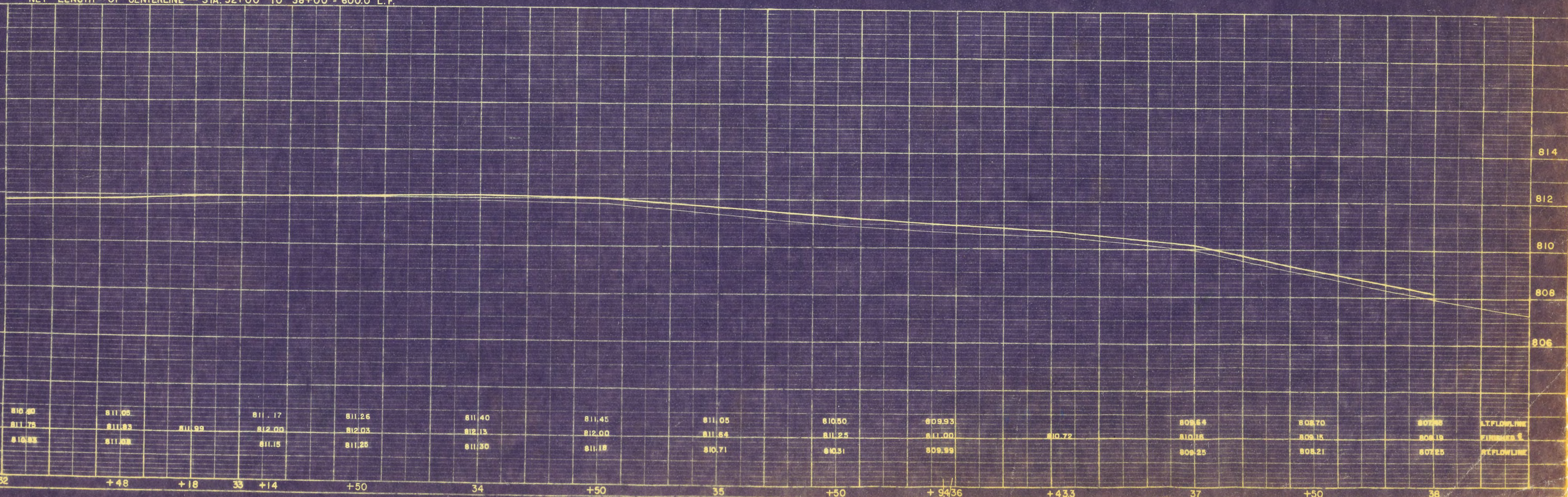
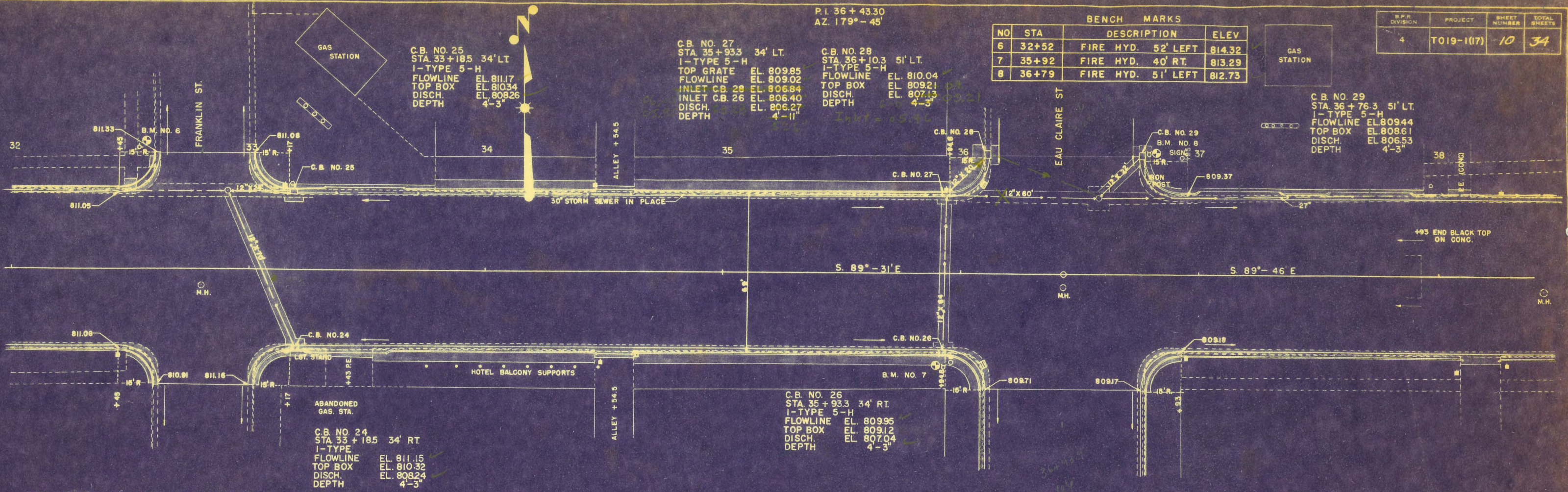
SECTION 2 STA. 30 + 80 - STA. 42 + 51.9
UNCLASSIFIED EXC. = 521 C.Y. { 455 C.Y. (NOT INCL. IN YDG. BAL)
56 C.Y.
FILL = 45 C.Y. @ 25 %

PLATE 1-PLAN-PROFILE OF R.R.E. STANDARDS
THE HOLLISTON MILLS, INC. CHICAGO

P.I. 36 + 43.30
AZ. 179° - 45'

BENCH MARKS			
NO	STA	DESCRIPTION	ELEV
6	32+52	FIRE HYD. 52' LEFT	814.32
7	35+92	FIRE HYD. 40' RT.	813.29
8	36+79	FIRE HYD. 51' LEFT	812.73

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	T019-1(17)	10	34



C.B. NO. 31
STA. 39+38.2 34' LT.
I-TYPE 5-H
FLOWLINE EL. 804.00
TOP BOX EL. 803.17
DISCH. EL. 801.09
DEPTH 4'-3"

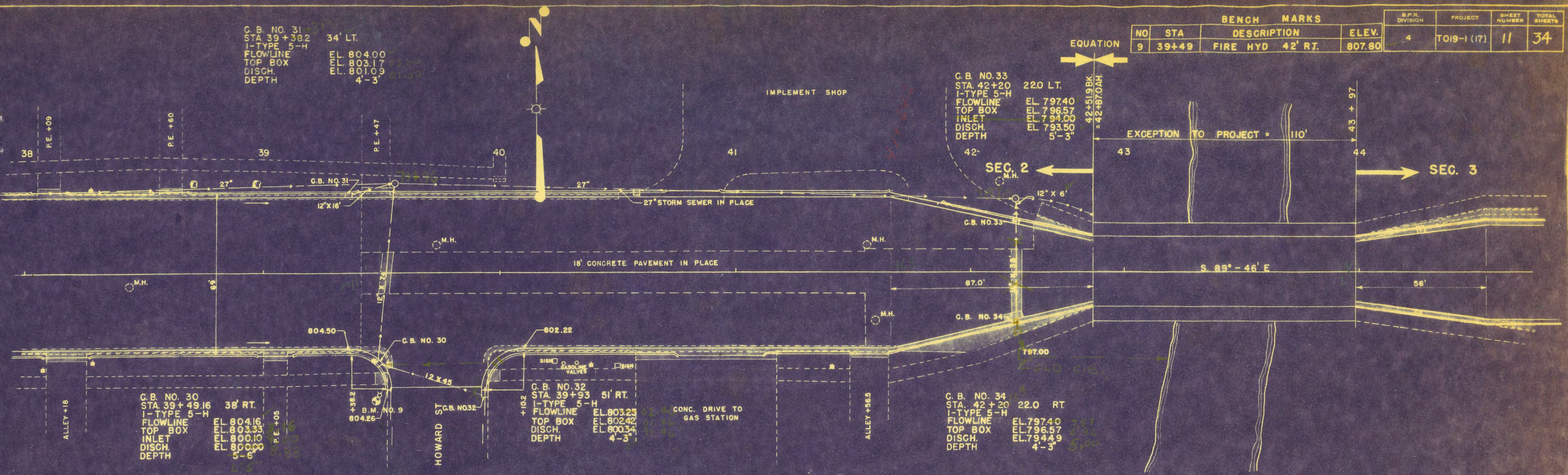
C.B. NO. 33
STA. 42+20 220 LT.
I-TYPE 5-H
FLOWLINE EL. 797.40
TOP BOX EL. 796.57
INLET EL. 794.00
DISCH. EL. 793.50
DEPTH 5'-3"

C.B. NO. 32
STA. 39+93 51' RT.
I-TYPE 5-H
FLOWLINE EL. 803.25
TOP BOX EL. 802.42
DISCH. EL. 800.34
DEPTH 4'-3"

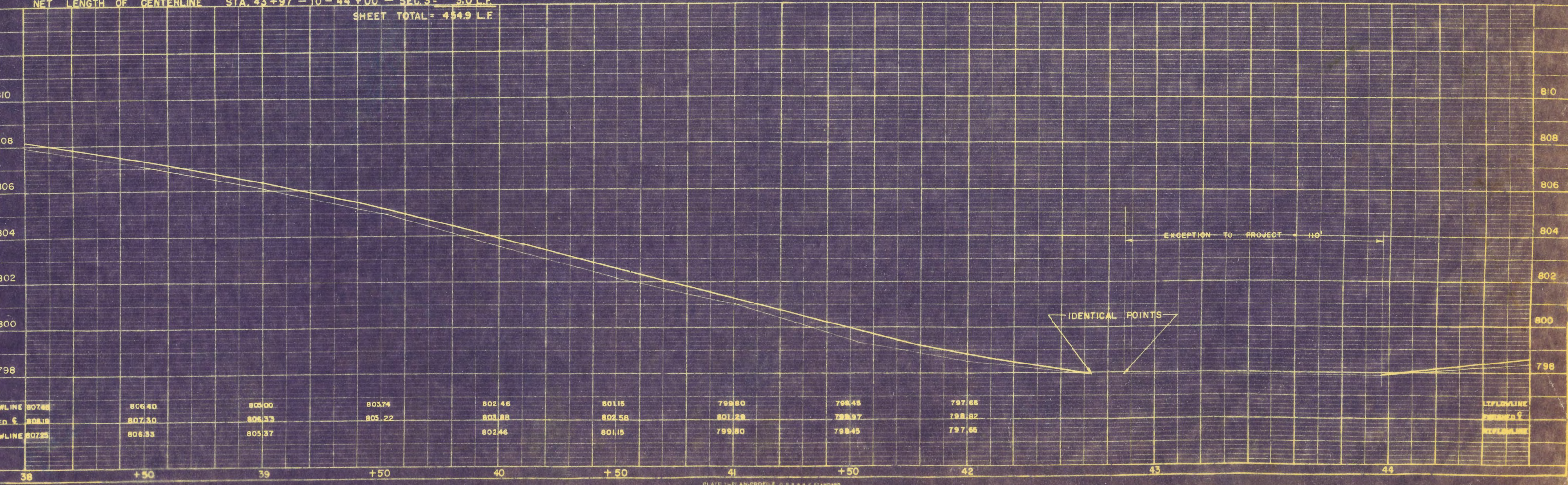
C.B. NO. 34
STA. 42+20 220 RT.
I-TYPE 5-H
FLOWLINE EL. 797.40
TOP BOX EL. 796.57
DISCH. EL. 794.49
DEPTH 4'-3"

C.B. NO. 30
STA. 39+49.16 38' RT.
I-TYPE 5-H
FLOWLINE EL. 804.16
TOP BOX EL. 803.33
INLET EL. 800.10
DISCH. EL. 800.00
DEPTH 5'-6"

BENCH MARKS				S.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
NO	STA	DESCRIPTION	ELEV.	4	TO19-1 (17)	11	34
9	39+49	FIRE HYD 42' RT.	807.80				



NET LENGTH OF CENTERLINE STA. 38+00 - TO - 42+51.9 - SEC. 2 = 451.9 L.F.
NET LENGTH OF CENTERLINE STA. 43+97 - TO - 44+00 - SEC. 3 = 3.0 L.F.
SHEET TOTAL = 454.9 L.F.



BENCH MARKS			
NO	STA.	DESCRIPTION	ELEV.
10	49+75	FIRE HYD. 43' RT.	806.40

S.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	TO19-1(17)	12	34

CATCH BASIN NO. 35
STA. 44+25 21.5' LT.
TYPE 5-H
FLOWLINE EL. 797.59
TOP BOX EL. 796.76
INLET EL. 794.25
DISCH. EL. 794.15
DEPTH 4'-9 3/4"

CATCH BASIN NO. 37
STATION 49+58 26' LT.
I-TYPE 5-H
FLOWLINE EL. 804.47
TOP BOX EL. 803.64
DISCH. EL. 801.56
DEPTH 4' 3"

CATCH BASIN NO. 39
STA. 49+97 26' LT.
I-TYPE 5-H
FLOWLINE EL. 804.14
TOP BOX EL. 803.31
DISCH. EL. 801.23
DEPTH 4' 3"

SPECIAL RECONSTR.
CATCH BASIN NO. 36
STA. 44+25 21.5' RT.
I-TYPE 5-H
FLOWLINE EL. 797.65
TOP BOX EL. 796.83
DISCH. EL. 794.75
DEPTH 4' 3"

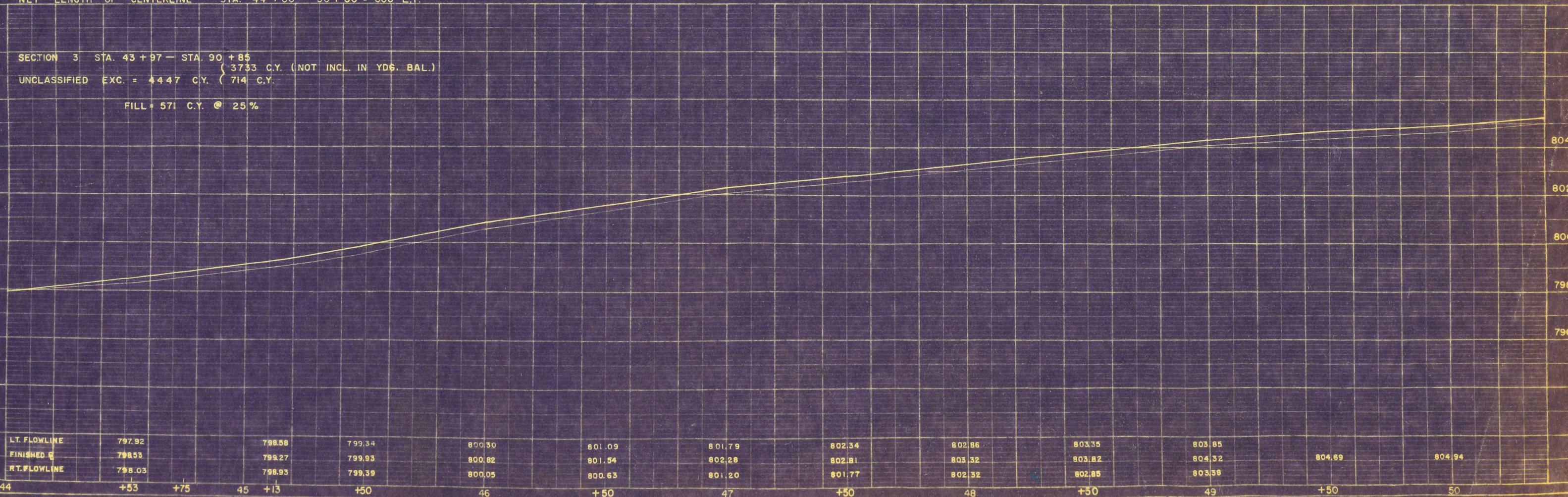
CATCH BASIN NO. 38
STA. 49+48 26' RT.
I-TYPE 5-H
FLOWLINE EL. 803.85
TOP BOX EL. 803.02
INLET EL. 800.88
DISCH. EL. 800.68
DEPTH 4' 6 1/8"

CATCH BASIN NO. 40
STA. 49+92 26' RT.
I-TYPE 5-H
FLOWLINE EL. 804.04
TOP BOX EL. 803.21
DISCH. EL. 801.13
DEPTH 4' 3"

NET LENGTH OF CENTERLINE STA. 44+00 — 50+00 = 600 L.F.

SECTION 3 STA. 43+97 — STA. 90+85
(3733 C.Y. (NOT INCL. IN YDG. BAL.)
UNCLASSIFIED EXC. = 4447 C.Y. (714 C.Y.)

FILL = 571 C.Y. @ 25%



STATE PROJECT NUMBER	SHEET NO.
1533-08-73	2.4
DETAIL SHEET	

JOHN C. & PATRICIA
REINHARDT

REMOVE INLETS REQ'D. AT
STA. 42+48, LT.
STA. 42+48, RT.
STA. 44+24, LT.
STA. 44+32, RT

SALVAGED CHAIN LINK FENCE REQ'D. AT
STA. 42+13 TO 42+97, LT.

ZION LUTHERN
CHURCH

CONCRETE BASE, TYPE 5
REINSTALL LIGHT POLES REQ'D.
STA. 41+65, 35' RT.
STA. 41+65, 35' LT.
STA. 42+80, 28.5' RT.
STA. 42+80, 28.5' LT.
STA. 44+40, 28.5' RT.
STA. 44+40, 28.5' LT

REMOVE LIGHT POLES AT
STA. 42+00, LT.
STA. 42+00, RT.
STA. 42+88, LT.
STA. 42+88, RT.
STA. 43+98, LT.
STA. 43+98, RT
REINSTALL ELSEWHERE

REMOVE GUARDRAIL AT
STA. 43+97 TO 44+38, RT. & LT.

SEE DETAIL SHEET FOR
SANITARY & STORM SEWER LAYOUT

TEMPORARY FENCE
SLOPE INTERCEPTS

REMOVE MANHOLE AT
STA. 44+20, LT. & RT.

T.L.E. FOR
SLOPES

SAWCUT
REQ'D.

SAWCUT
REQ'D.

P.L.

I.P.

GAS METER

BEGIN PROJECT 1533-08-73
STA. 40+50

REMOVING STORM SEWER PIPE REQ'D. AT
STA. 42+41 TO 43+15, LT., 27-INCH
STA. 42+52 TO 43+15, RT., 18-INCH
STA. 43+98 TO 44+20, LT., 24-INCH SQUARE
STA. 44+04 TO 44+32, RT., 12-INCH

16.5' ALLEY

CHAIN LINK FENCE, 4-FT. REQ'D. AT
STA. 42+40 TO 42+93, RT.

CITY OF MONDOVI

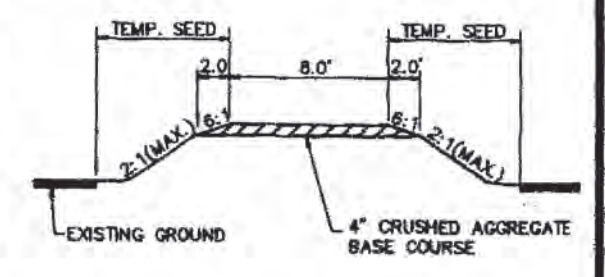
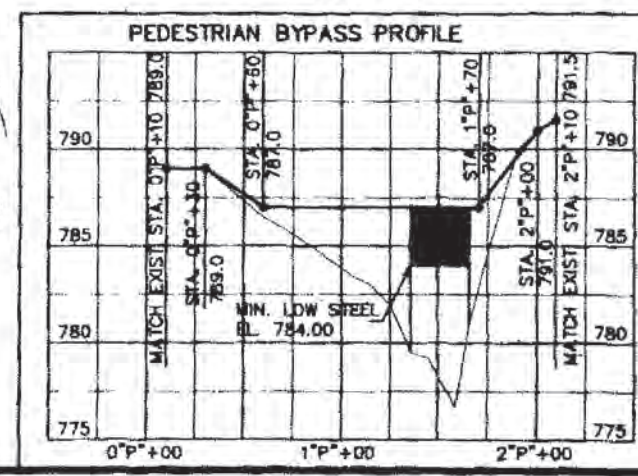
UNVACATED PORTION
OF RANDALL ST.

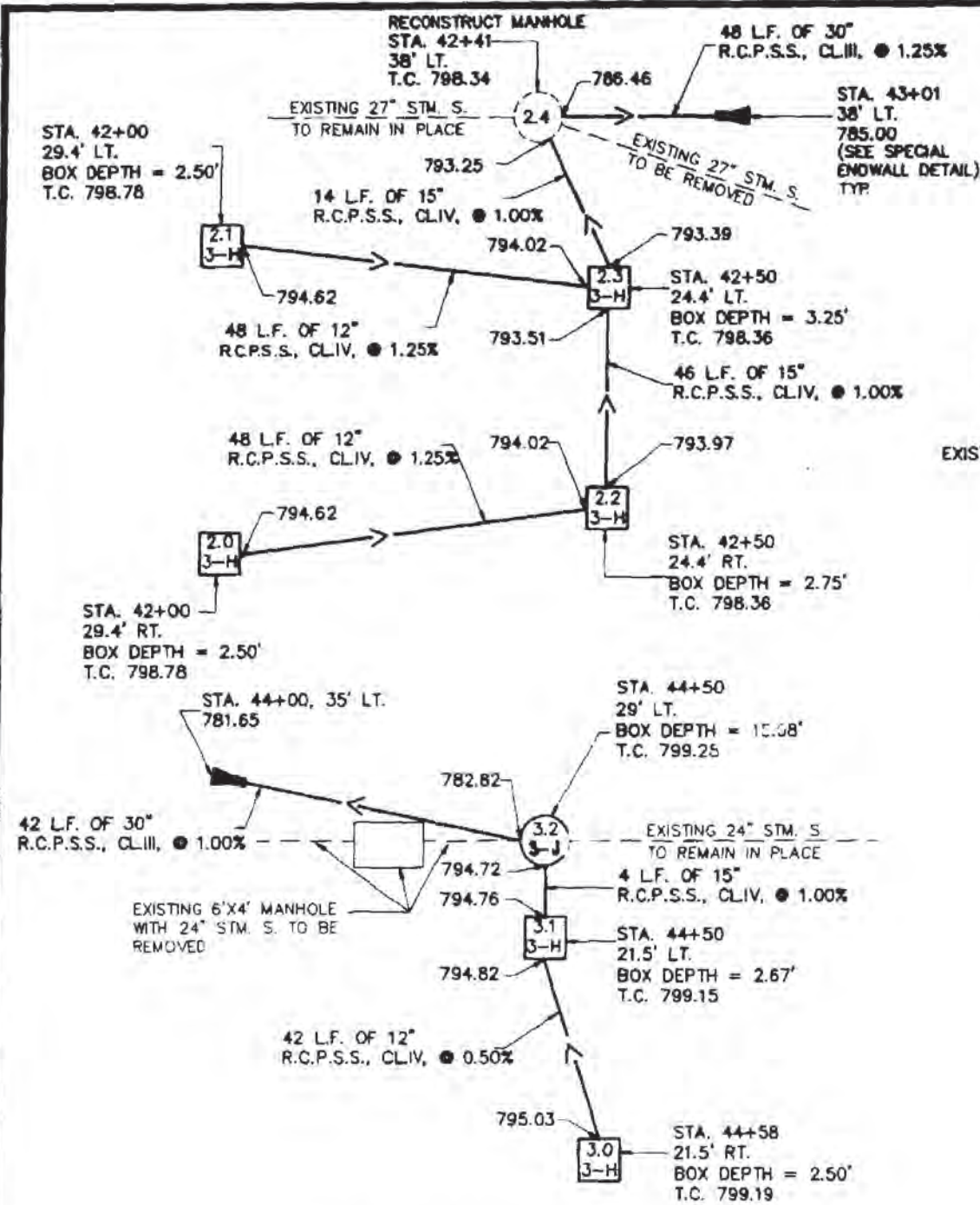
BROWN LEE CREEK

CONCRETE STEPS REQ'D.
STA. 44+45, RT.
STA. 45+07, RT

MILDRED EDE

END PROJECT 1533-08-73
STA. 46+50





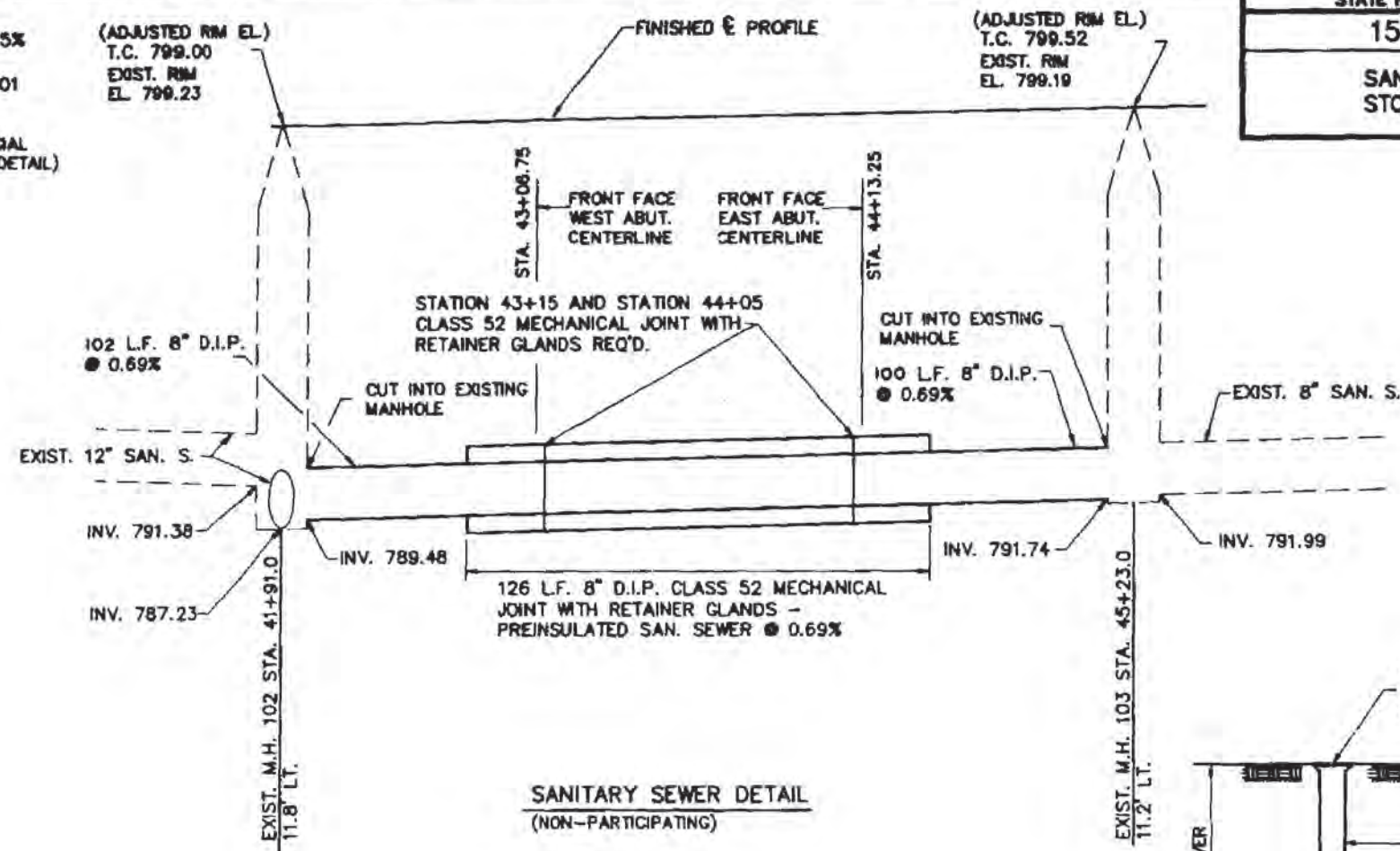
STORM SEWER DETAILS

STORM SEWER SCHEDULE

NO.	STATION	LOCATION	M.H. TYPE	INLET TYPE	COVER TYPE	TOP OF MANHOLE COVER	* T.C. ELEV.	DISCH. ELEV.	BOX DEPTH (FEET)	PIPE SIZE			CONCRETE MASONRY ENDWALL	CLASS	DRAINS TO		
										12"	15"	30"			NO.	GRADE(%)	INV. ELEV.
2.0	42+00	29.4' RT.	---	3	H - LT.	---	798.78	794.62	2.50	48	---	---	---	IV	2.2	1.25	794.02
2.2	42+50	24.4' RT.	---	3	H - RT.	---	798.36	793.97	2.75	---	48	---	---	IV	2.3	1.00	793.51
2.1	42+00	29.4' LT.	---	3	H - RT.	---	798.78	794.62	2.50	48	---	---	---	IV	2.3	1.25	794.02
2.3	42+50	24.4' LT.	---	3	H - LT.	---	798.36	793.31	3.42	---	14	---	---	IV	2.4	1.00	793.25
2.4	42+41	38' LT.	⊗	---	---	798.34	---	786.46	---	---	---	48	6 C.Y.	III	DISCHARGE	1.25	785.00
3.0	44+58	21.5' RT.	---	3	H - RT.	---	799.19	795.03	2.50	42	---	---	---	IV	3.1	0.50	794.82
3.1	44+50	21.5' LT.	---	3	H - LT.	---	799.15	794.76	2.75	---	4	---	---	IV	3.2	1.00	794.72
3.2	44+50	29' LT.	3	---	J	799.28	---	783.00	15.08	---	---	42	6 C.Y.	III	DISCHARGE	0.80	782.00

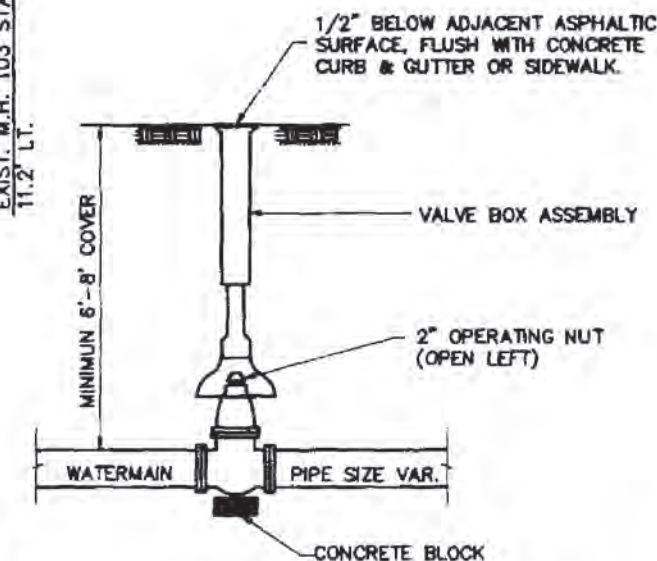
⊗ RECONSTRUCT EXISTING MANHOLE

* T.C. = TOP OF CASTING ELEV. = TOP OF CURB ELEV., GRATE ELEV. AT FLOW LINE OF INLETS IS 0.58' BELOW T.C. ELEV.



SANITARY SEWER DETAIL
(NON-PARTICIPATING)

GATE VALVE & BOX SCHEDULE		
STATION	LOCATION	T.C. ELEV.
44+70	23.5' RT.	799.26



ELEVATION

TYPICAL GATE VALVE
& BOX INSTALLATION

MANHOLE, WSO., VALVE BOX, CASTING ELEVATIONS

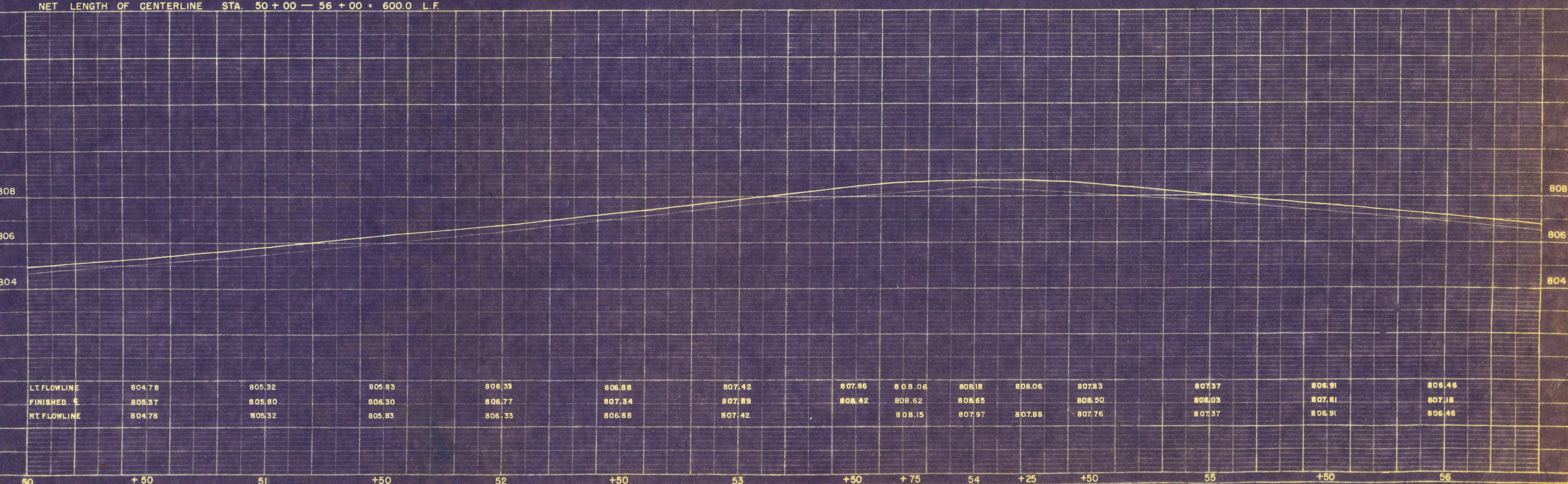
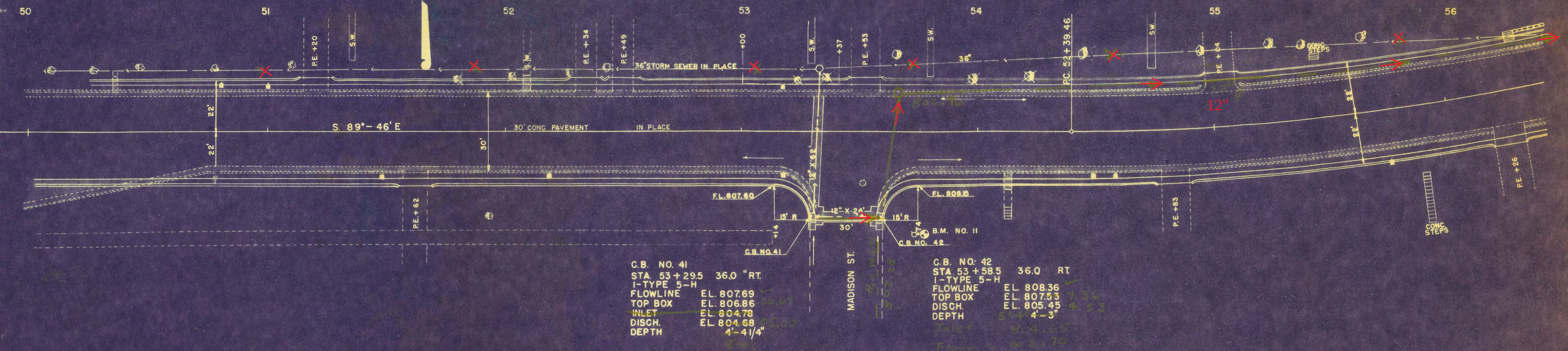
STATION	LOCATION	MANHOLE	WSO.	VALVE BOX	EXIST. RIM. EL. OR T.C. EL.	NEW RIM. EL. OR T.C. EL.	REMARKS
41+03.5	39.3' LT		X		800.95	800.88	
41+84.6	39.0' LT		X		798.99	799.15	
41+91	11.8' LT	102 (SAN. S.)			799.23	799.00	⊕ ADJ COVER
41+93	20.8' RT	(WATER)			798.89	798.78	⊕ ADJ COVER
42+41	38' LT	2.4 (STM. S.)			798.34	798.34	
42+67	27.9' RT			X	798.02	798.51	
45+18.4	47.7' RT		X		796.03	796.03	NO ADJUSTMENT
45+23	11.2' LT	103 (SAN. S.)			799.19	799.52	⊕ ADJ COVER
46+46	19.3' RT			X	800.72	800.72	NO ADJUSTMENT

⊕ COVER ELEVATION IS DEPRELSED 1/2-INCH BELOW FINISHED ROAD GRADE

BENCH MARKS			
NO.	STA.	DESCRIPTION	ELEV.
11	53+78	FIRE HYD. 44' RT.	812.49

CURVE DATA
 PI. 51+90.35
 AZ. 162° 03'
 Δ 17° 57'
 D 6° 00' L.
 T 150.89'
 L 299.17'
 PC 52+39.46
 PT 55+38.63

S.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	TO 19-1(17)	13	34



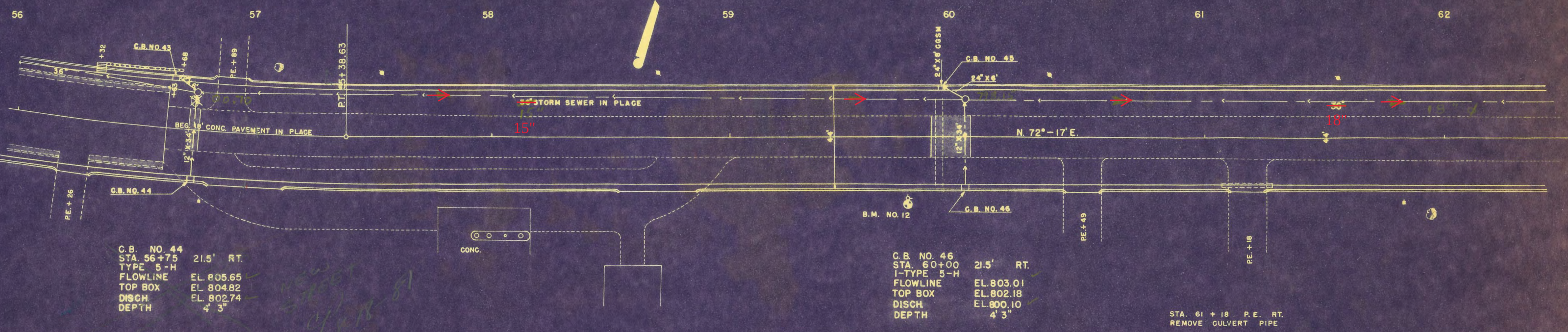
CURVE DATA
 P.I. 53+90.35
 AZ. 162° 03'
 Δ 17° 57'
 D 6° 00' L.
 T 150.89'
 L 299.17'

C.B. NO. 43
 STA. 56+65 21.5' LT.
 TYPE 5-H
 FLOWLINE EL. 805.80
 TOP BOX EL. 804.97
 DISCH. EL. 802.89
 DEPTH 4'-3"

C.B. NO. 45
 STA. 59+90 21.5' LT.
 TYPE 5-H
 FLOWLINE EL. 803.09
 TOP BOX EL. 802.26
 INLET EL. 799.18
 DISCH. EL. 799.00
 DEPTH 5'-5 1/8"

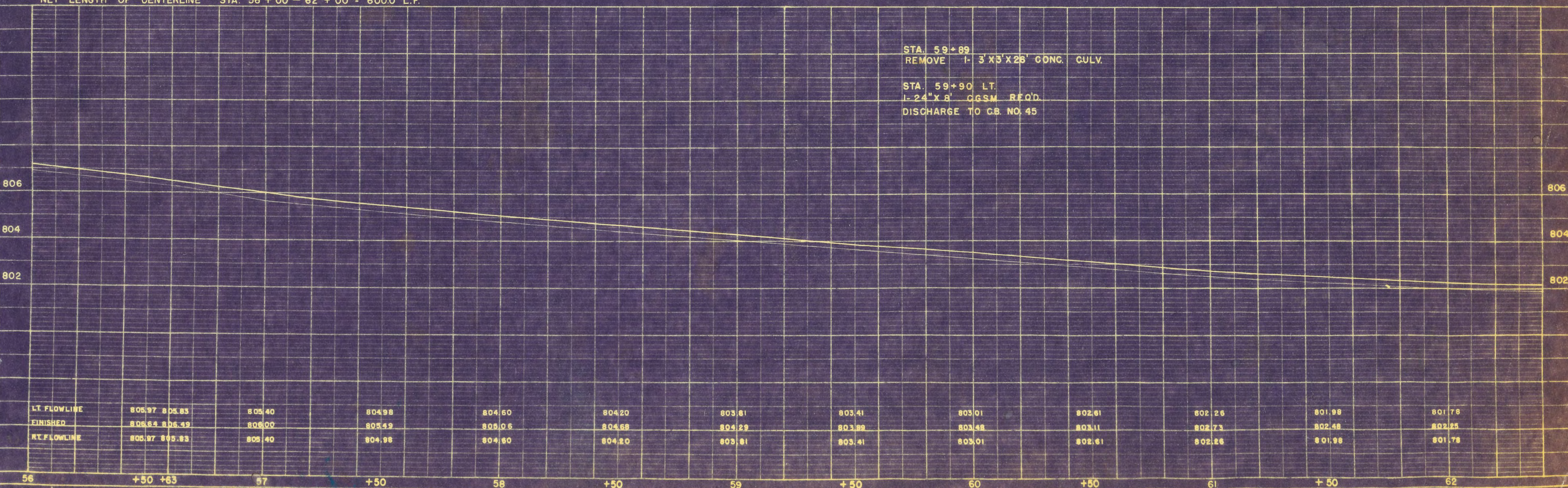
BENCH MARKS			
NO	STA.	DESCRIPTION	ELEV.
12	59+75	FIRE HYD. 26' RT	806.22

S.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	T019-1(17)	14	34



NET LENGTH OF CENTERLINE STA. 56 + 00 - 62 + 00 = 6000 L.F.

STA. 59+89
 REMOVE 1- 3' X 3' X 26' CONG. CULV.
 STA. 59+90 LT.
 1- 24" X 8' CGSM REQ'D
 DISCHARGE TO C.B. NO. 45



STATION	LT. FLOWLINE	FINISHED	RT. FLOWLINE
56	805.97	805.83	805.97
57	805.40	805.00	805.40
58	804.98	804.49	804.98
59	804.60	804.06	804.60
60	804.20	803.68	804.20
61	803.81	803.29	803.81
62	803.41	802.89	803.41
63	803.01	802.48	803.01
64	802.61	802.07	802.61
65	802.26	801.66	802.26
66	801.98	801.35	801.98
67	801.78	801.15	801.78

BENCH MARKS			
NO.	STA.	DESCRIPTION	ELEV.
13	67+74	FIRE HYD. 27' RT	804.64

S.D. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	T019-1071	15	34

C.B. NO. 47
STA. 64+00 21.5 LT.
I-TYPE 5-H
FLOWLINE EL. 801.24
TOP BOX EL. 800.41
DISCH. EL. 798.33
DEPTH. 4'-3"

C.B. NO. 49
STA. 66+90 21.5 LT.
I-TYPE 5-H
FLOWLINE EL. 802.00
TOP BOX EL. 801.17
DISCH. EL. 799.09
DEPTH. 4'-3"

C.B. NO. 48
STA. 64+10 21.5 RT.
I-TYPE 5-H
FLOWLINE EL. 801.24
TOP BOX EL. 800.41
DISCH. EL. 798.33
DEPTH. 4'-3"

C.B. NO. 50
STA. 67+00 21.5 RT.
I-TYPE 5-H
FLOWLINE EL. 802.05
TOP BOX EL. 801.22
DISCH. EL. 799.14
DEPTH. 4'-3"

STA. 63+15 P.E. RT.
REMOVE CULV. PIPE

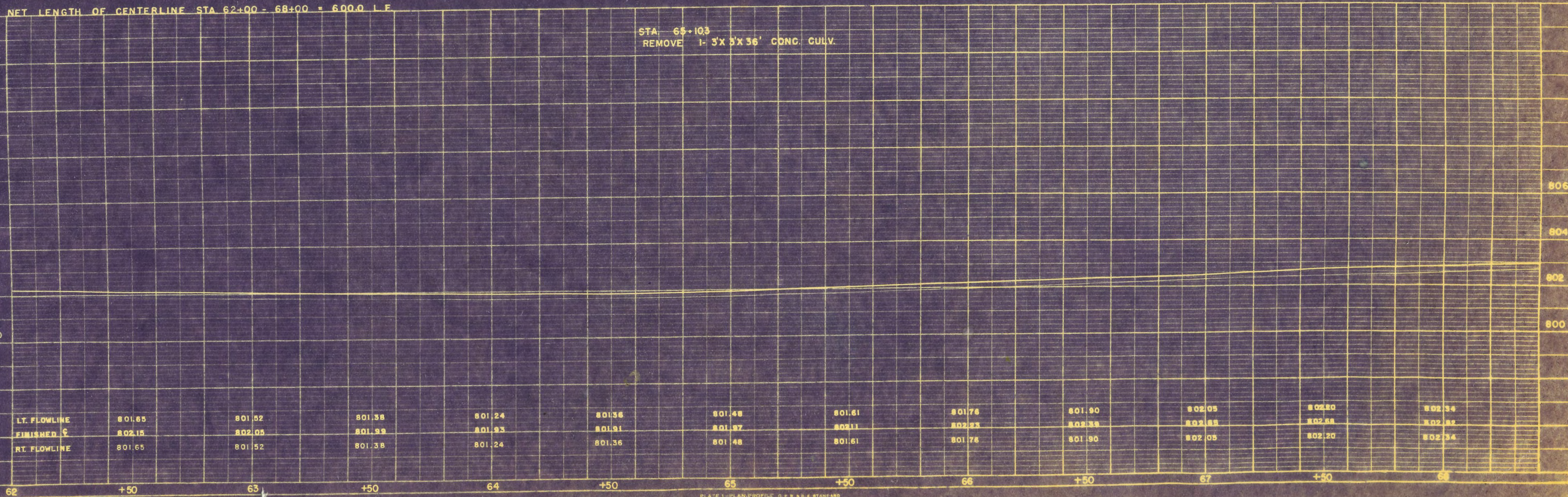
STA. 63+46 P.E. RT.
REMOVE CULV. PIPE

STA. 66+54 P.E. RT.
REMOVE CULV. PIPE

STA. 67+37 P.E. RT.
REMOVE CULV. PIPE

NET LENGTH OF CENTERLINE STA 62+00 - 68+00 = 600.0 L.F.

STA. 65+10.3
REMOVE 1- 3'X3'X36' CONC. CULV.



C.B. NO. 55-A
STA. 75+30 99' LT.
I-SPECIAL TYPE
FLOWLINE EL. 802.70
TOP BOX EL. 804.37
DISCH. EL. 801.70
DEPTH 8'-4"

C.B. NO. 55
STA. 75+23 21.5 L.T.
I-TYPE 5-H
FLOWLINE EL. 804.39
TOP BOX EL. 803.56
DISCH. EL. 801.48
DEPTH 4'-3"

BENCH MARKS			
NO	STA.	DESCRIPTION	ELEV.
14	76+15	FIRE HYD. 26 RT.	802.17
C.B. NO. 56-A			
STA. 79+86 - 42' LT.			
I-SPECIAL TYPE			
FLOWLINE EL. 803.10			
TOP BOX EL. 804.77			
DISCH. EL. 802.50			
DEPTH 8'-4"			

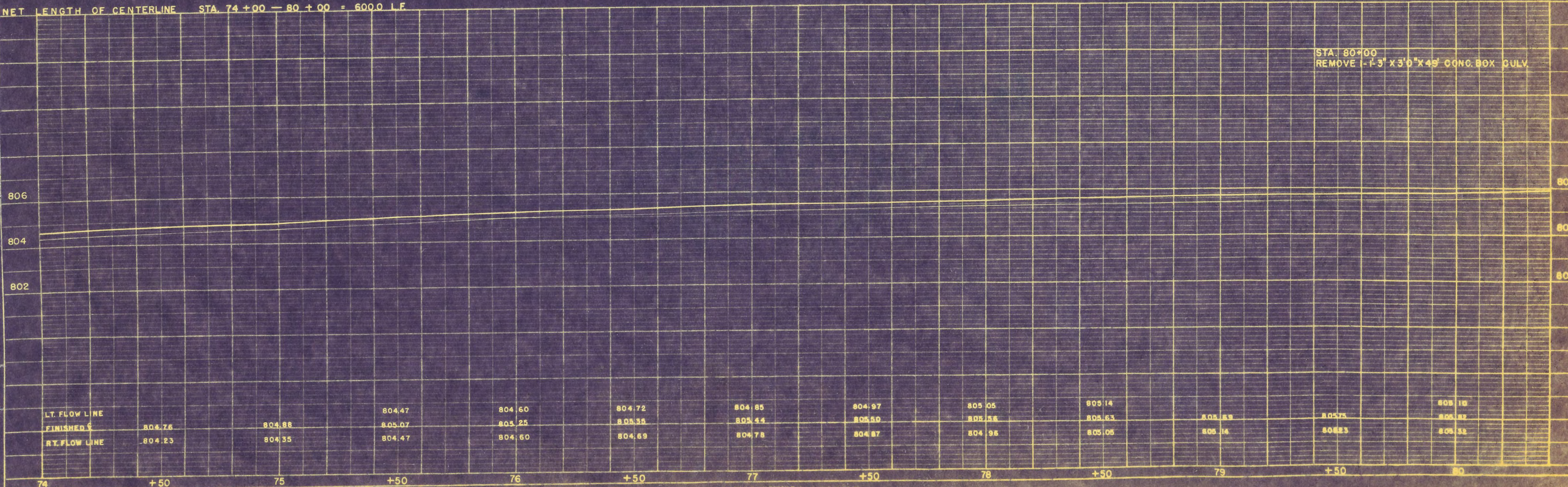
S.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	T019-1(17)	17	34

C.B. NO. 57
STA. 80+00 25' LT.
I-TYPE 5-H
FLOWLINE EL. 805.10
TOP BOX EL. 804.45
DISCH. EL. 802.50
DEPTH 4'-1 1/4"

C.B. NO. 54
STA. 75+00 21.5 RT.
I-TYPE 5-H
FLOWLINE EL. 804.30
TOP BOX EL. 803.47
DISCH. EL. 801.39
DEPTH 4'-3"

C.B. NO. 56
STA. 80+00 21.5 RT.
I-TYPE 5-H
FLOWLINE EL. 805.32
TOP BOX EL. 804.49
DISCH. EL. 802.41
DEPTH 4'-3"

NET LENGTH OF CENTERLINE STA. 74+00 - 80+00 = 600.0 L.F.



STORM SEWER

M.H.#5 - TYPE I-J

STA 78 +30 - 84' LT
F.L. - DISC. 800.73
TOP OF M.H. CASTING 815.3
TOP OF M.H. COVER 814.33
HEIGHT OF M.H. 13.60'

M.H.#6 - TYPE I-J

STA 2' C' +34 - 3' LT
F.L. - DISC. 802.53
TOP OF M.H. CASTING 805.95
TOP OF M.H. COVER 804.78
HEIGHT OF M.H. 2.25'

M.H.#7 - TYPE I-J

STA 7' B' +50 - 31' LT
F.L. - DISC. 804.72
TOP OF M.H. CASTING 808.10
TOP OF M.H. COVER 806.93
HEIGHT OF M.H. 2.21'

M.H.#8 - TYPE I-J

STA 11' B' +60 - 25' LT
F.L. - DISC. 825.84
TOP OF M.H. CASTING 829.59
TOP OF M.H. COVER 828.42
HEIGHT OF M.H. 2.56'

M.H.#9 - TYPE I-J

STA 15' B' +00 - 25' LT
F.L. - DISC. 838.16
TOP OF M.H. CASTING 841.88
TOP OF M.H. COVER 840.71
HEIGHT OF M.H. 2.55'

GENERAL NOTES

1. EXISTING FLOW LINES TO BE CHECKED IN FIELD BEFORE ORDERING OF PRECAST REINFORCED INLETS AND MANHOLES.
2. ADJUSTMENTS FOR TOP OF M.H. OR TOP OF INLET TO THE BOTTOM OF CASTING IS COMPUTED AT 5-INCHES.

INLET #12 TYPE 3-H

STA 15' B' +00 17.5' RT
GRATE F.L. ELEV. 841.08
TOP OF INLET - 840.33
HEIGHT OF INLET - 1.67'

INLET #11 TYPE 3-H

STA 11' B' +60 17.5' RT
GRATE F.L. ELEV. 828.79
TOP OF INLET - 828.04
HEIGHT OF INLET - 1.67'

INLET #9 TYPE 3-H

STA 7' B' +61 17.5' RT
GRATE F.L. ELEV. 807.86
TOP OF INLET - 807.11
HEIGHT OF INLET - 1.67'

INLET #14 TYPE 9MS

STA 79 +81 43' LT
GRATE F.L. ELEV. 804.50
HEIGHT OF INLET 2.06'

INLET #10 TYPE 3-H

STA 11' B' +60 17.5' LT
GRATE F.L. ELEV. 828.79
TOP OF INLET - 828.04
HEIGHT OF INLET - 2.00'

INLET #6 TYPE 3-H

STA 2' C' +34 1.5' LT
GRATE F.L. ELEV. 805.15
TOP OF INLET - 804.40
HEIGHT OF INLET - 1.67'

INLET #13 TYPE 9MS

STA 6' B' +35 ±215' LT
GRATE ELEV. ±821
HEIGHT OF INLET 2.2'

INLET #5 TYPE 3-H

STA 0' C' +90 1.5' LT
GRATE F.L. ELEV. 804.60
TOP OF INLET - 803.85
HEIGHT OF INLET - 1.67'

INLET #2 TYPE 3-H

STA 77 +90 26.6' LT
GRATE F.L. ELEV. 804.61
TOP OF INLET - 803.86
HEIGHT OF INLET - 1.67'

INLET #8 TYPE 3-H

STA 7' B' +50 25.5' LT
GRATE F.L. ELEV. 807.48
TOP OF INLET - 806.63
HEIGHT OF INLET - 1.71'

INLET #3 TYPE 3H

STA 78 +91 28.5' LT
GRATE F.L. ELEV. 804.53
TOP OF INLET - 803.78
HEIGHT OF INLET - 1.67'

INLET #7 TYPE 3-H

STA 5' B' +57 - 17.5' LT
GRATE F.L. ELEV. 804.49
TOP OF INLET - 803.49
HEIGHT OF INLET - 1.67'

INLET #4 TYPE 3H

STA 79 +90 - 23.75' LT
GRATE F.L. ELEV. 804.93
TOP OF INLET - 804.18
HEIGHT OF INLET - 2.59'
NOTE: CHECK EXISTING

INLET #1 TYPE 3-H

STA 75 +01 33.0' LT
GRATE F.L. ELEV. 804.17
TOP OF INLET - 803.42
HEIGHT OF INLET - 3.82'

M.H.#1 (EXIST)

STA 74 +93 15' LT
F.L. (EXISTING) - 799.31
TOP OF M.H. CASTING - 804.58
NOTE: ADJUST MANHOLE

M.H.#2 TYPE 3-J

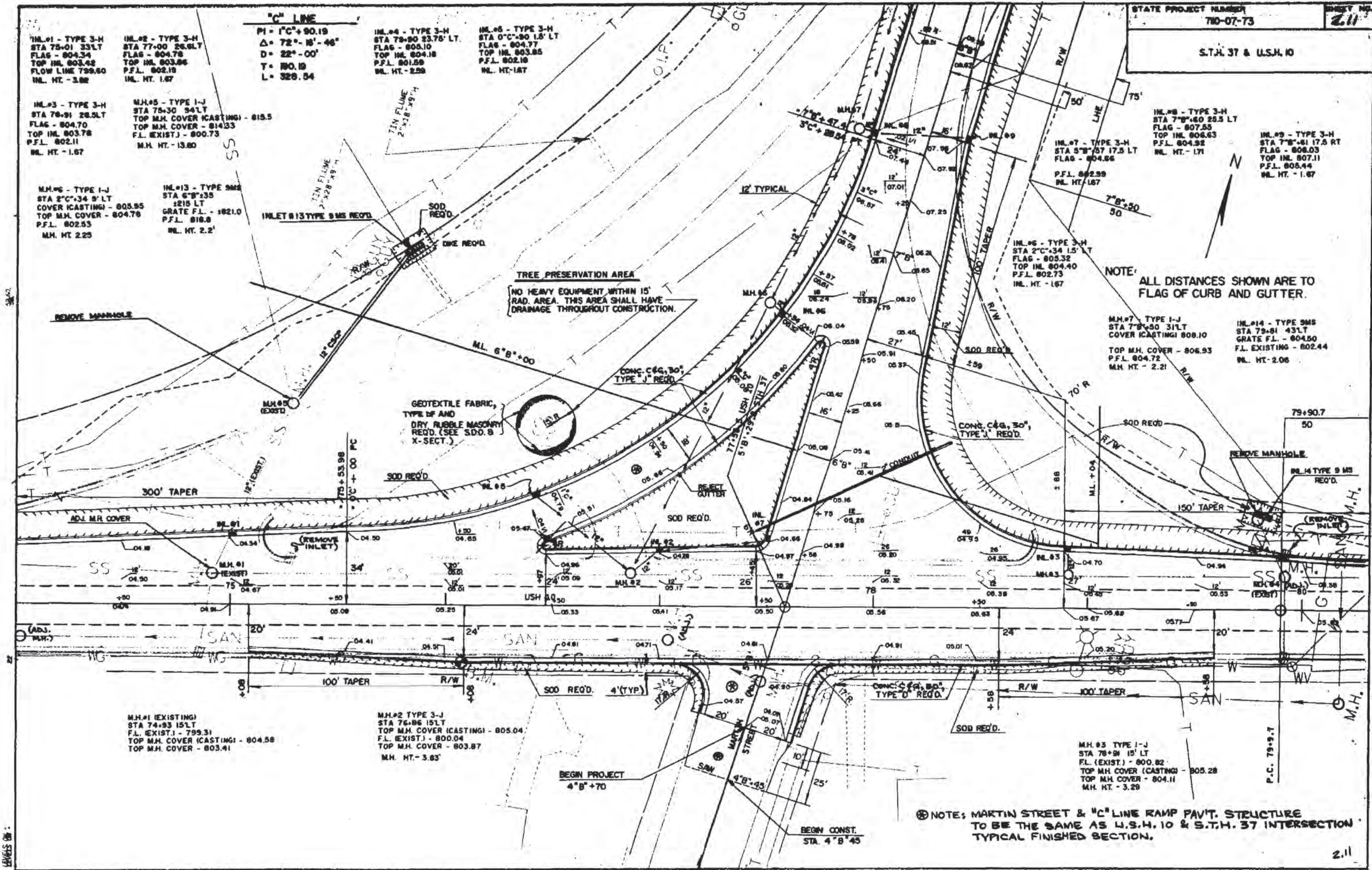
STA 76 +86 15' LT
F.L. (EXISTING) - 800.04
TOP OF M.H. CASTING - 805.04
TOP OF M.H. COVER - 803.87
HEIGHT OF M.H. - 3.83'

M.H.#3 TYPE I-J

STA 78 +91 15' LT
F.L. (EXISTING) - 800.82
TOP OF M.H. CASTING - 805.04
TOP OF M.H. COVER - 803.87
HEIGHT OF M.H. - 3.29'

M.H.#4 (EXIST)

STA 79 +94 15' LT
F.L. (EXISTING) - 801.21
TOP OF M.H. CASTING - 805.04
NOTE: ADJUST MANHOLE



NOTE: ALL DISTANCES SHOWN ARE TO FLAG OF CURB AND GUTTER.

NOTE: MARTIN STREET & 'C' LINE RAMP PAV'T. STRUCTURE TO BE THE SAME AS U.S.H. 10 & S.T.H. 37 INTERSECTION TYPICAL FINISHED SECTION.

LEVELS ON:

"C" LINE
 PI = 1" C + 90.19
 $\Delta = 72^\circ - 16' - 48''$
 D = 22' - 00"
 T = 190.19
 L = 328.54

710-07-73, 1533-8-71 5.10

S.T.H. 37 & U.S.H. 10

NOTE: ALL DISTANCES SHOWN ARE TO
 FLAG OF CURB AND GUTTER

LEVELS ON: 1.2, 1.4, 5.6, 7.8, 9.9, 12.1, 14.3, 16.5, 18.7, 20.9, 23.1, 25.3, 27.5, 29.7, 31.9, 34.1, 36.3, 38.5, 40.7, 42.9, 45.1, 47.3, 49.5, 51.7, 53.9, 56.1, 58.3, 60.5, 62.7, 64.9, 67.1, 69.3, 71.5, 73.7, 75.9, 78.1, 80.3, 82.5, 84.7, 86.9, 89.1, 91.3, 93.5, 95.7, 97.9, 100.1, 102.3, 104.5, 106.7, 108.9, 111.1, 113.3, 115.5, 117.7, 119.9, 122.1, 124.3, 126.5, 128.7, 130.9, 133.1, 135.3, 137.5, 139.7, 141.9, 144.1, 146.3, 148.5, 150.7, 152.9, 155.1, 157.3, 159.5, 161.7, 163.9, 166.1, 168.3, 170.5, 172.7, 174.9, 177.1, 179.3, 181.5, 183.7, 185.9, 188.1, 190.3, 192.5, 194.7, 196.9, 199.1, 201.3, 203.5, 205.7, 207.9, 210.1, 212.3, 214.5, 216.7, 218.9, 221.1, 223.3, 225.5, 227.7, 229.9, 232.1, 234.3, 236.5, 238.7, 240.9, 243.1, 245.3, 247.5, 249.7, 251.9, 254.1, 256.3, 258.5, 260.7, 262.9, 265.1, 267.3, 269.5, 271.7, 273.9, 276.1, 278.3, 280.5, 282.7, 284.9, 287.1, 289.3, 291.5, 293.7, 295.9, 298.1, 300.3, 302.5, 304.7, 306.9, 309.1, 311.3, 313.5, 315.7, 317.9, 320.1, 322.3, 324.5, 326.7, 328.9, 331.1, 333.3, 335.5, 337.7, 339.9, 342.1, 344.3, 346.5, 348.7, 350.9, 353.1, 355.3, 357.5, 359.7, 361.9, 364.1, 366.3, 368.5, 370.7, 372.9, 375.1, 377.3, 379.5, 381.7, 383.9, 386.1, 388.3, 390.5, 392.7, 394.9, 397.1, 399.3, 401.5, 403.7, 405.9, 408.1, 410.3, 412.5, 414.7, 416.9, 419.1, 421.3, 423.5, 425.7, 427.9, 430.1, 432.3, 434.5, 436.7, 438.9, 441.1, 443.3, 445.5, 447.7, 449.9, 452.1, 454.3, 456.5, 458.7, 460.9, 463.1, 465.3, 467.5, 469.7, 471.9, 474.1, 476.3, 478.5, 480.7, 482.9, 485.1, 487.3, 489.5, 491.7, 493.9, 496.1, 498.3, 500.5, 502.7, 504.9, 507.1, 509.3, 511.5, 513.7, 515.9, 518.1, 520.3, 522.5, 524.7, 526.9, 529.1, 531.3, 533.5, 535.7, 537.9, 540.1, 542.3, 544.5, 546.7, 548.9, 551.1, 553.3, 555.5, 557.7, 559.9, 562.1, 564.3, 566.5, 568.7, 570.9, 573.1, 575.3, 577.5, 579.7, 581.9, 584.1, 586.3, 588.5, 590.7, 592.9, 595.1, 597.3, 599.5, 601.7, 603.9, 606.1, 608.3, 610.5, 612.7, 614.9, 617.1, 619.3, 621.5, 623.7, 625.9, 628.1, 630.3, 632.5, 634.7, 636.9, 639.1, 641.3, 643.5, 645.7, 647.9, 650.1, 652.3, 654.5, 656.7, 658.9, 661.1, 663.3, 665.5, 667.7, 669.9, 672.1, 674.3, 676.5, 678.7, 680.9, 683.1, 685.3, 687.5, 689.7, 691.9, 694.1, 696.3, 698.5, 700.7, 702.9, 705.1, 707.3, 709.5, 711.7, 713.9, 716.1, 718.3, 720.5, 722.7, 724.9, 727.1, 729.3, 731.5, 733.7, 735.9, 738.1, 740.3, 742.5, 744.7, 746.9, 749.1, 751.3, 753.5, 755.7, 757.9, 760.1, 762.3, 764.5, 766.7, 768.9, 771.1, 773.3, 775.5, 777.7, 779.9, 782.1, 784.3, 786.5, 788.7, 790.9, 793.1, 795.3, 797.5, 799.7, 801.9, 804.1, 806.3, 808.5, 810.7, 812.9, 815.1, 817.3, 819.5, 821.7, 823.9, 826.1, 828.3, 830.5, 832.7, 834.9, 837.1, 839.3, 841.5, 843.7, 845.9, 848.1, 850.3, 852.5, 854.7, 856.9, 859.1, 861.3, 863.5, 865.7, 867.9, 870.1, 872.3, 874.5, 876.7, 878.9, 881.1, 883.3, 885.5, 887.7, 889.9, 892.1, 894.3, 896.5, 898.7, 900.9, 903.1, 905.3, 907.5, 909.7, 911.9, 914.1, 916.3, 918.5, 920.7, 922.9, 925.1, 927.3, 929.5, 931.7, 933.9, 936.1, 938.3, 940.5, 942.7, 944.9, 947.1, 949.3, 951.5, 953.7, 955.9, 958.1, 960.3, 962.5, 964.7, 966.9, 969.1, 971.3, 973.5, 975.7, 977.9, 980.1, 982.3, 984.5, 986.7, 988.9, 991.1, 993.3, 995.5, 997.7, 1000.0

END PROJECT 1533-08-71
 STA 72+45 (SECT. I)

BEGIN PROJECT 7110-07-73
 STA 4" B + 70

BEG CONST
 STA 4" B + 45

BEGIN PROJECT 1533-08-71
 STA 80+60 (SECT. II)

PROJECT 7110-07-73 CONSTRUCTION AREA

"C" LINE PROFILE AT FLAG

U.S.H. 10 PROFILE

S.T.H. 37

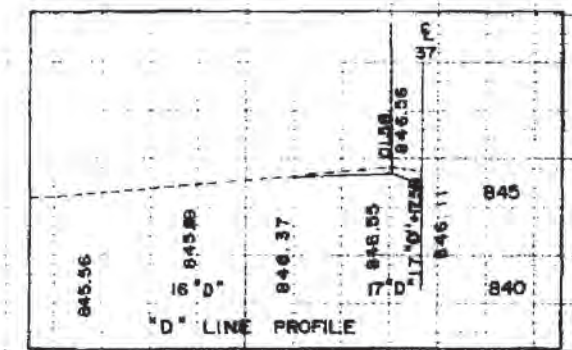
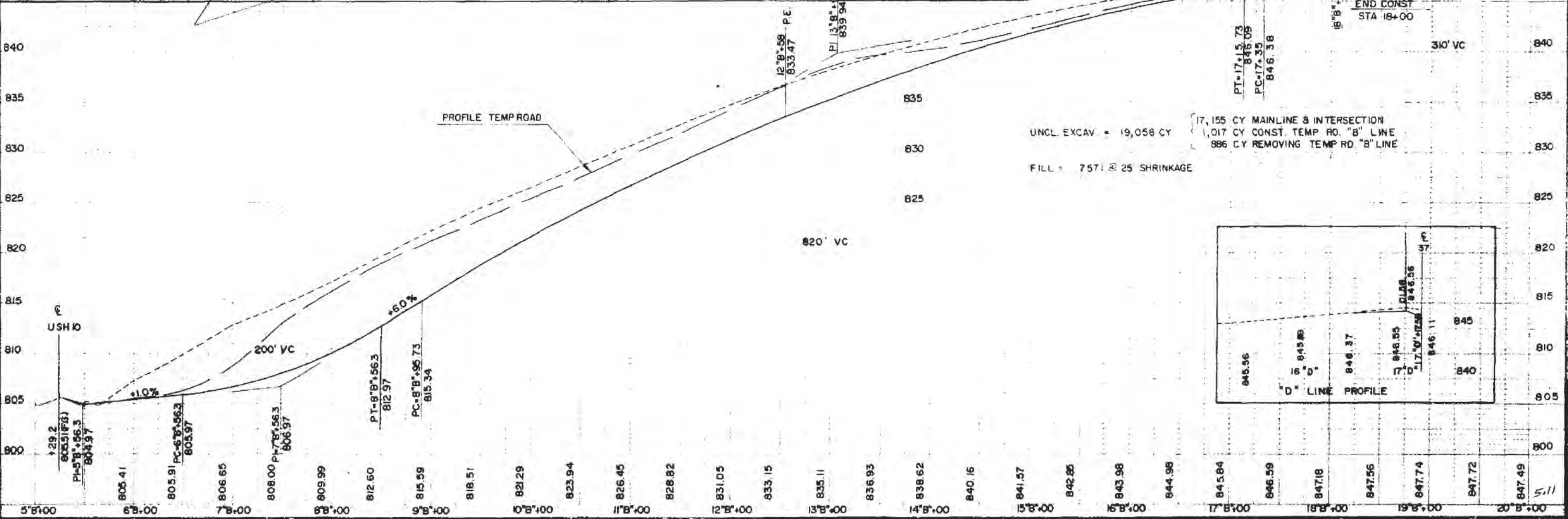
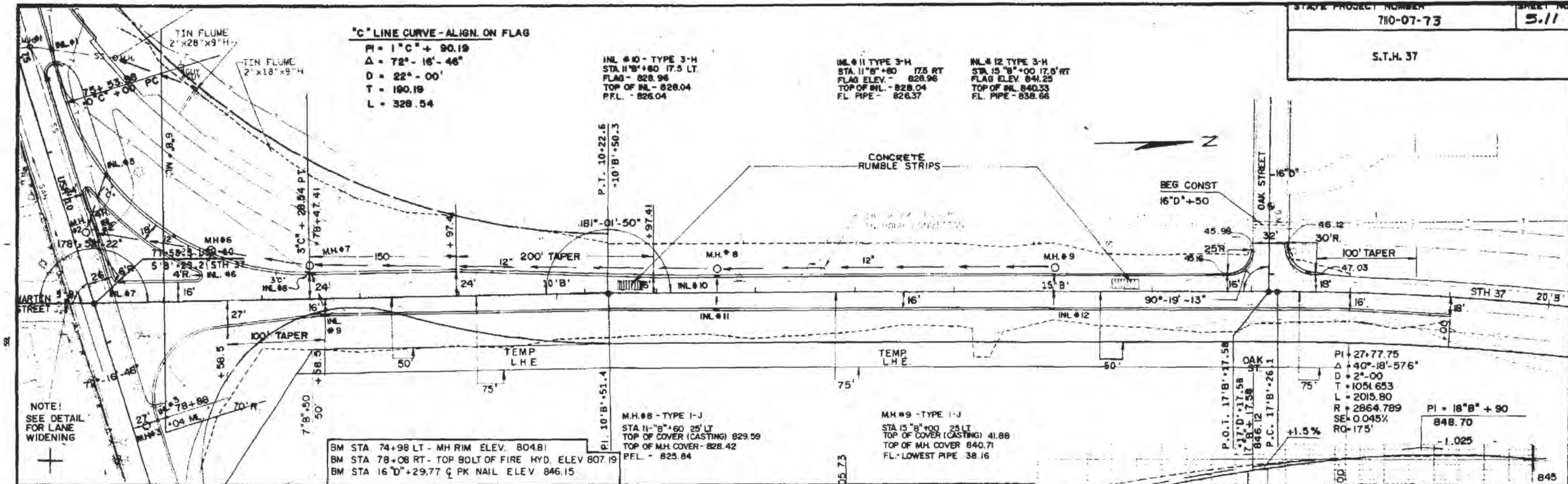
"C" LINE CURVE - ALIGN. ON FLAG

PI = 1° C + 90.19
Δ = 72° - 16' - 46"
D = 22° - 00'
T = 190.19
L = 328.54

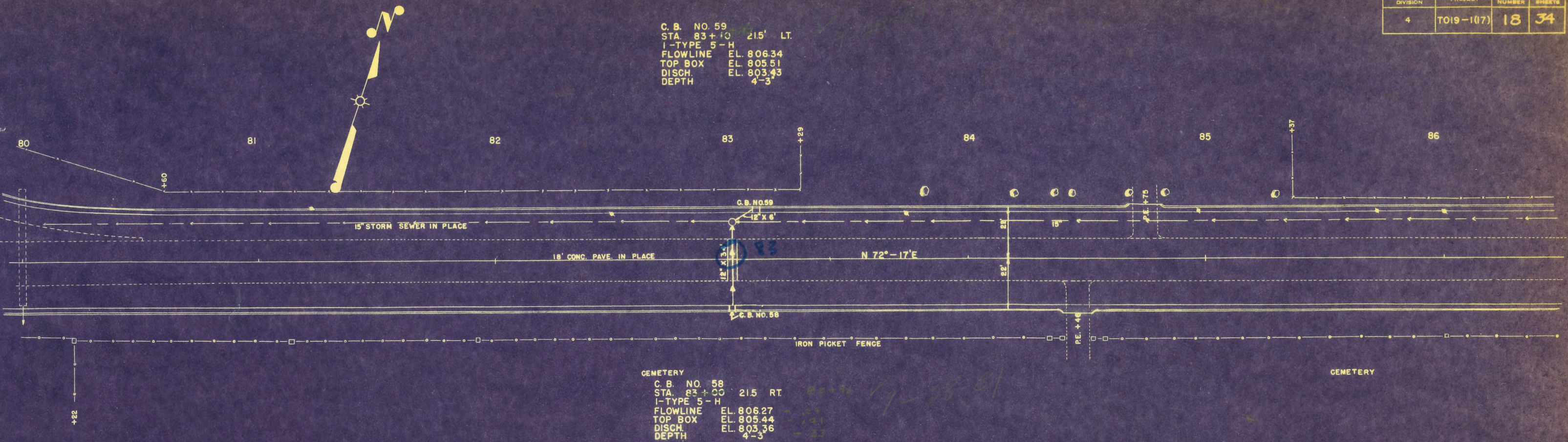
INL #10 - TYPE 3-H
STA 11° B + 60 17.5 LT
FLAG ELEV. - 828.96
TOP OF INL - 828.04
P.F.L. - 826.04

INL #11 TYPE 3-H
STA 11° B + 80 17.5 RT
FLAG ELEV. - 828.96
TOP OF INL - 828.04
P.F.L. - 826.37

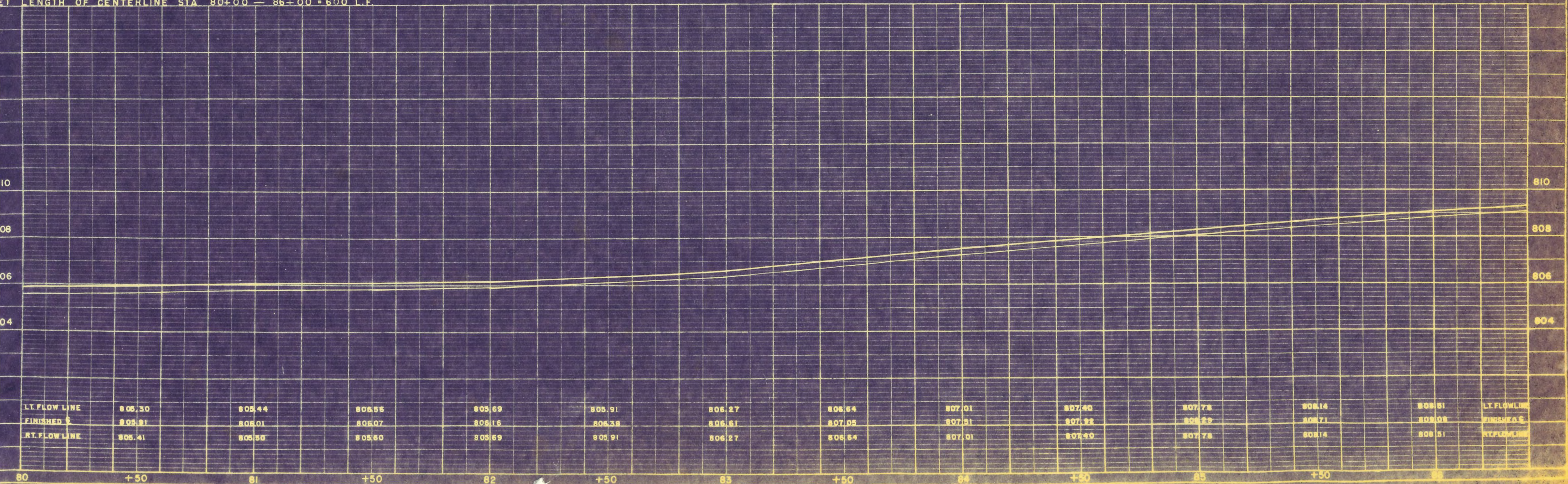
INL #12 TYPE 3-H
STA 15° B + 00 17.5 RT
FLAG ELEV. 841.25
TOP OF INL 840.33
P.F.L. PIPE - 838.66



S.P.S. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	TO19-107	18	34



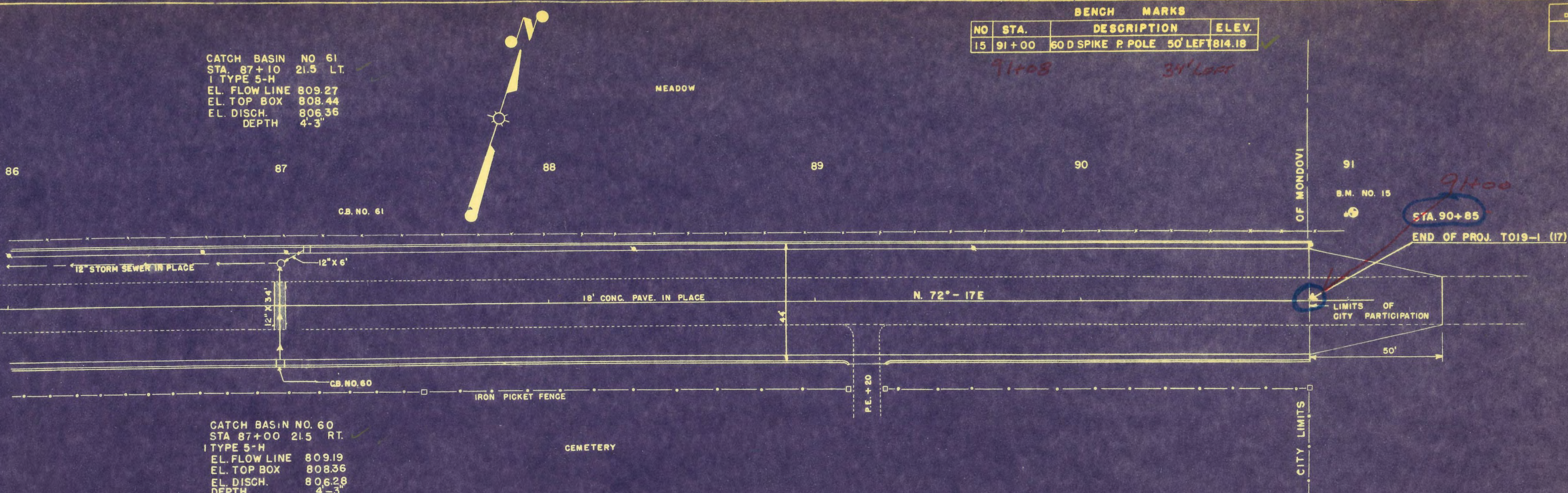
LENGTH OF CENTERLINE STA 80+00 - 86+00 = 600 L.F.



CATCH BASIN NO. 61
 STA. 87+10 21.5 LT.
 I TYPE 5-H
 EL. FLOW LINE 809.27
 EL. TOP BOX 808.44
 EL. DISCH. 806.36
 DEPTH 4'-3"

BENCH MARKS			
NO	STA.	DESCRIPTION	ELEV.
15	91+00	60 D SPIKE P. POLE 50' LEFT	814.18

D.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	T019-1(17)	19	34



CATCH BASIN NO. 60
 STA. 87+00 21.5 RT.
 I TYPE 5-H
 EL. FLOW LINE 809.19
 EL. TOP BOX 808.36
 EL. DISCH. 806.28
 DEPTH 4'-3"

LENGTH OF CENTERLINE STA. 86+00-90+85 = 485.0 L.F.

