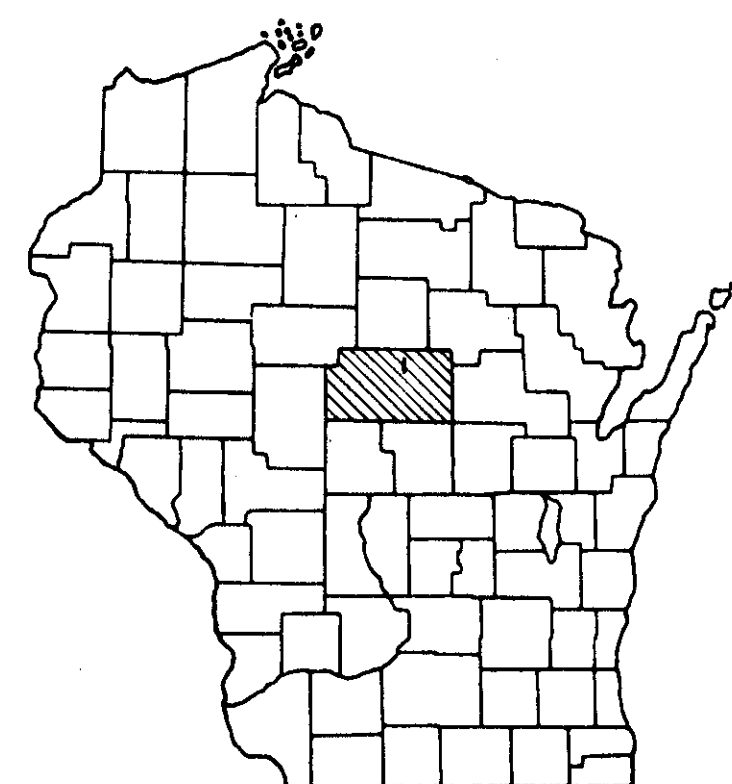


INDEX OF SHEETS

SHEET NO. 1 TITLE
 SHEET NO. 2-24 TYPICAL CROSS SECTIONS
 SHEET NO. 3 ESTIMATE OF QUANTITIES
 SHEET NO. 3A-3B MISCELLANEOUS QUANTITIES
 SHEET NO. 4-45 RIGHT OF WAY PLAT
 SHEET NO. 5-16 PLAN AND PROFILE STA. 10+00 TO STA. 363+365
 SHEET NO. STANDARD DETAILS
 SHEET NO. DRAINAGE STRUCTURES
 SHEET NO. CROSS SECTIONS



STATE OF WISCONSIN STATE HIGHWAY COMMISSION OF WISCONSIN

PLAN AND PROFILE OF PROPOSED

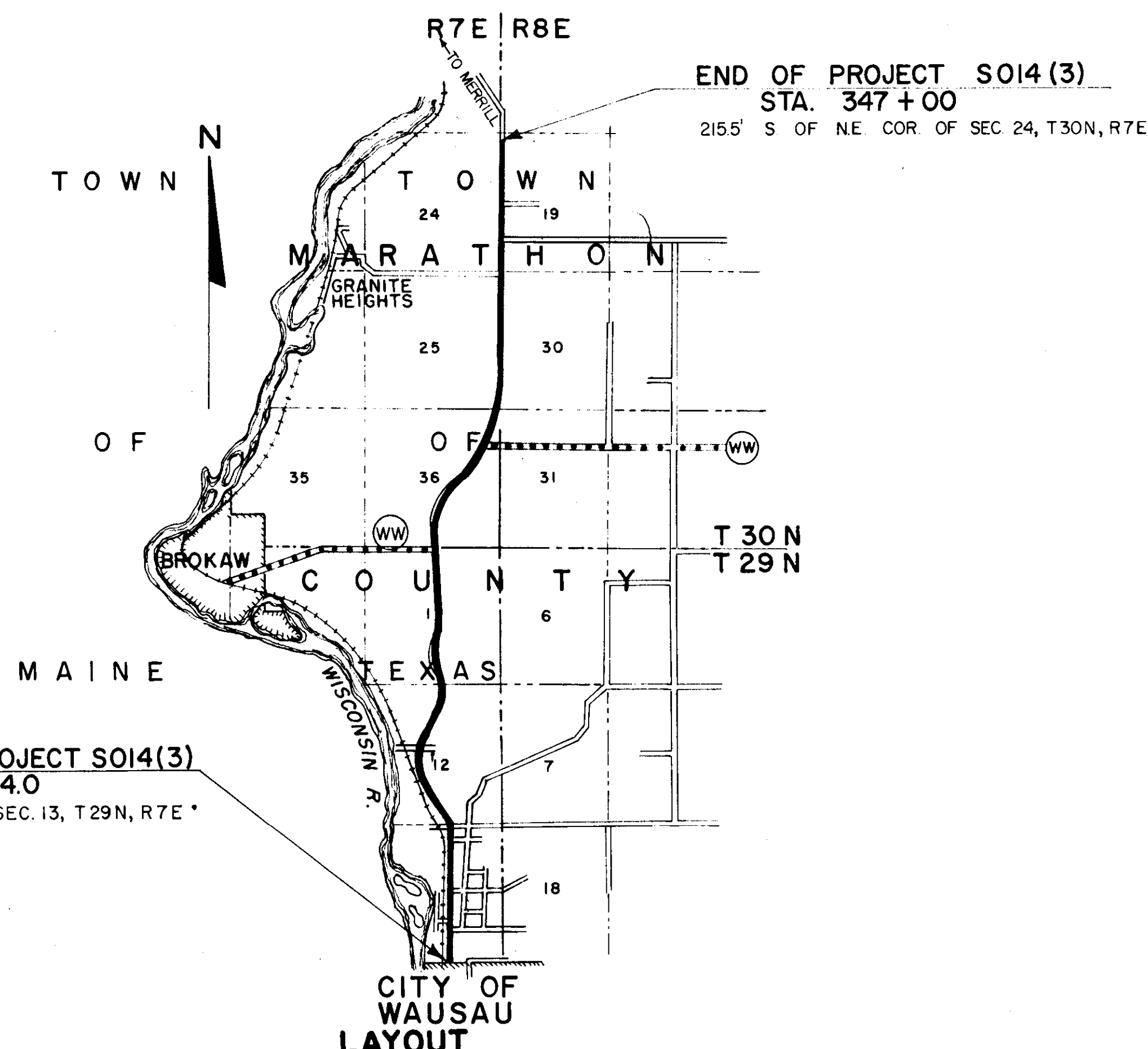
WAUSAU — MERRILL ROAD

MARATHON COUNTY

PROJECT S 014(3)

C.T.H. "W"

SCALES
 PLAN 1 IN. = 100 FT.
 PROFILE HOR. 1 IN. = 100 FT. VERT. 1 IN. = 10 FT.
 CROSS SECTIONS HOR. 1 IN. = 5 FT. VERT. 1 IN. = 5 FT.



SCALE 1 MILE

TOTAL NET LENGTH OF CENTERLINE = 6.233 MI. (RURAL)

CONVENTIONAL SIGNS

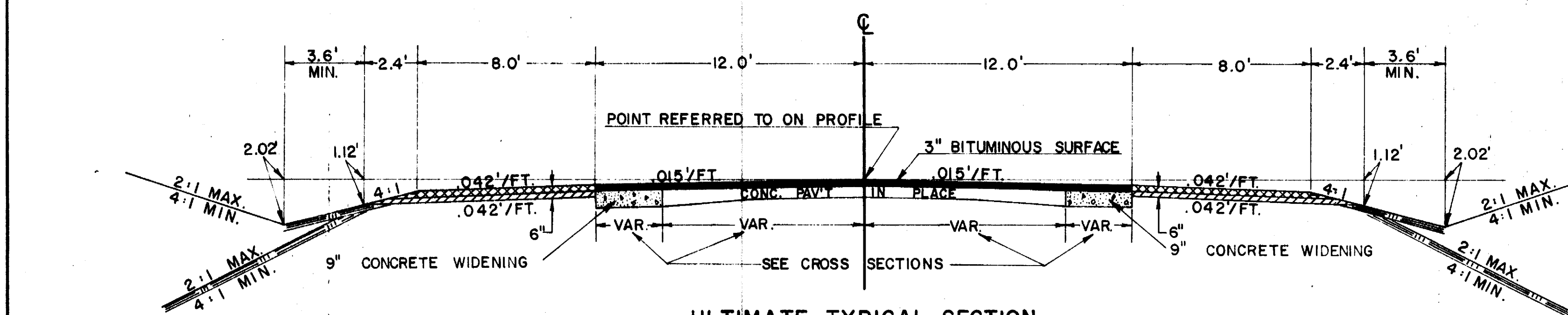
STATE LINE	---	CULVERTS IN PLACE	---
COUNTY LINE	---	CULVERTS REQUIRED	---
TOWNSHIP OR RANGE LINE	---	DROP INLET	---
SECTION LINE	---	POWER POLE	---
NEW RIGHT OF WAY LINE	---	TELEPHONE OR TELEGRAPH POLE	---
PRESENT RIGHT OF WAY LINE	---	RIGHT OF WAY MARKERS	---
WIRE FENCE (WOVEN)	---	REFERENCE STAKE FOR HUBS ONLY	---
WIRE FENCE (BARBED)	---	MARSH	---
LOT LINE	---	HEDGE	---
CORPORATE OR CITY LIMITS	---	TREES	---
PROPERTY LINE	---		
TRAVELED WAY OR P.E.	---		
RAILROADS	---		
BASE OR SURVEY LINE	---		

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT	S.P.R. REGION DIVISION	SHEET NUMBER	TOTAL SHEETS
37.6	14.0	STATE FEDERAL	4 WIS.	1	

STATE HIGHWAY COMMISSION OF WISCONSIN MADISON, WIS.	
SURVEYOR J.J.C.	NOTE BOOK 4700 & 4702
DIVISION COMPUTER J.J.C.	M. O. CHECKER
DISTRICT CHECKER L.R.T.	CORRECT
CORRECT:	
DATE	DISTRICT ENGINEER
RECOMMENDED FOR APPROVAL:	
DATE	ENGINEER OF DESIGN
APPROVED:	
DATE	STATE HIGHWAY ENGINEER
DEPARTMENT OF COMMERCE BUREAU OF PUBLIC ROADS	
APPROVED:	
DATE	
DIVISION ENGINEER	

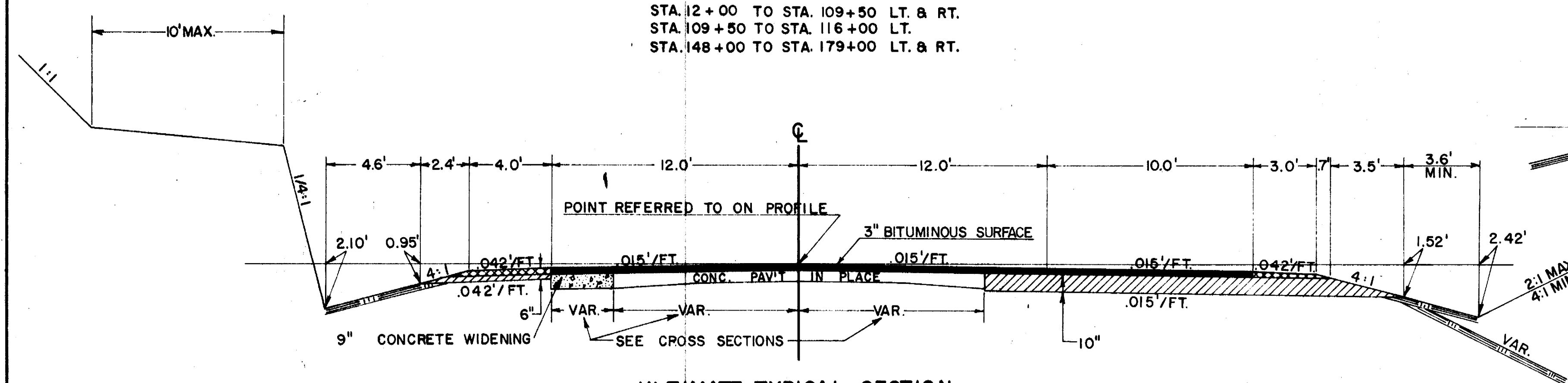
NOTE: WHERE TOPSOIL OR SALVAGED TOPSOIL IS USED ON SLOPES IT IS TO BE PLACED AT THE APPROXIMATE DEPTH OF 3" AT THE TIME OF PLACING.

NOTE: WHEN THE QUANTITY OF THE ITEMS OF SUBBASE, BASE, OR SURFACE COURSE IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE COURSE SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.



ULTIMATE TYPICAL SECTION

STA. 12+00 TO STA. 109+50 LT. & RT.
STA. 109+50 TO STA. 116+00 LT.
STA. 148+00 TO STA. 179+00 LT. & RT.

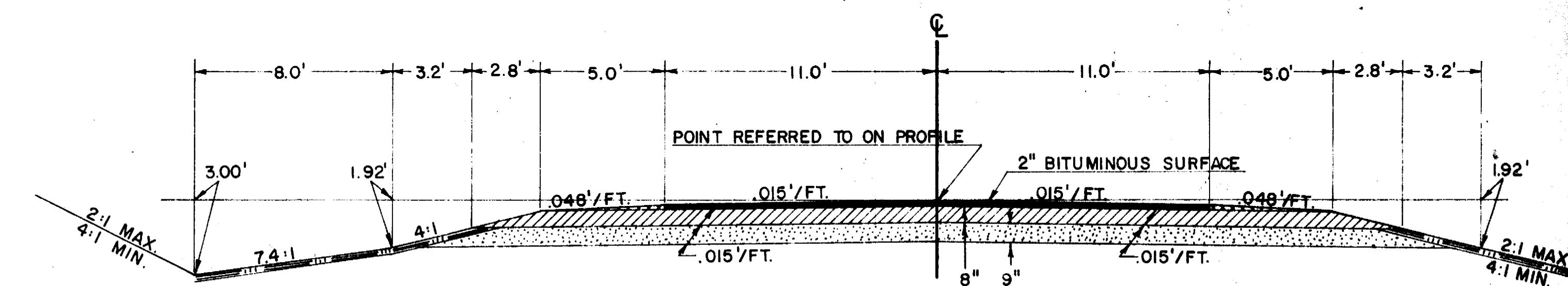


ULTIMATE TYPICAL SECTION

STA. 116+00 TO STA. 131+00 LT.
STA. 109+50 TO STA. 131+00 RT.

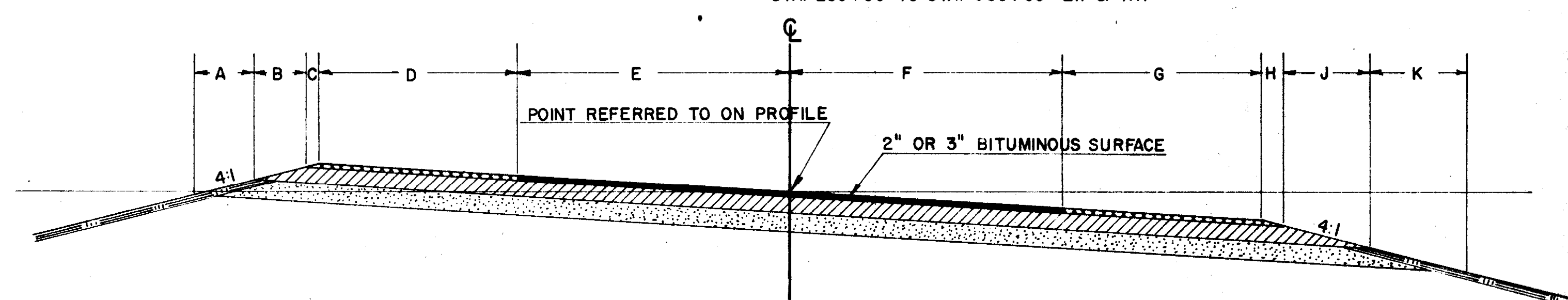
IN ROCK CUT

CLIMBING LANE



ULTIMATE TYPICAL SECTION

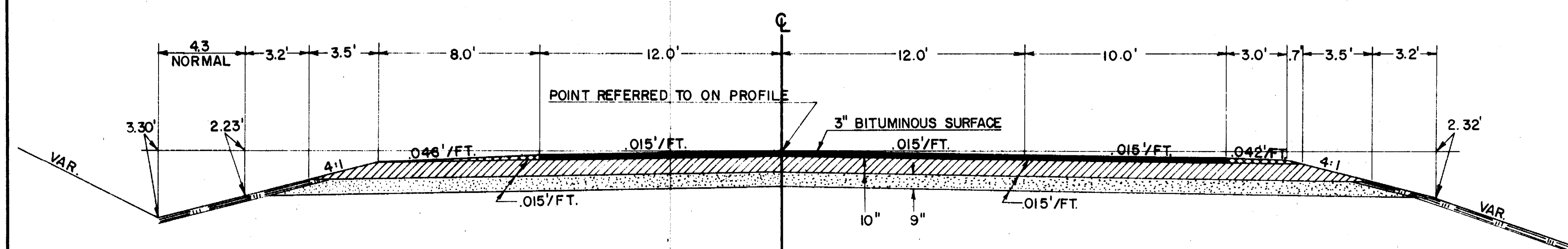
STA. 230+00 TO STA. 350+00 LT. & RT.



ULTIMATE TYPICAL SUPERELEVATED SECTION

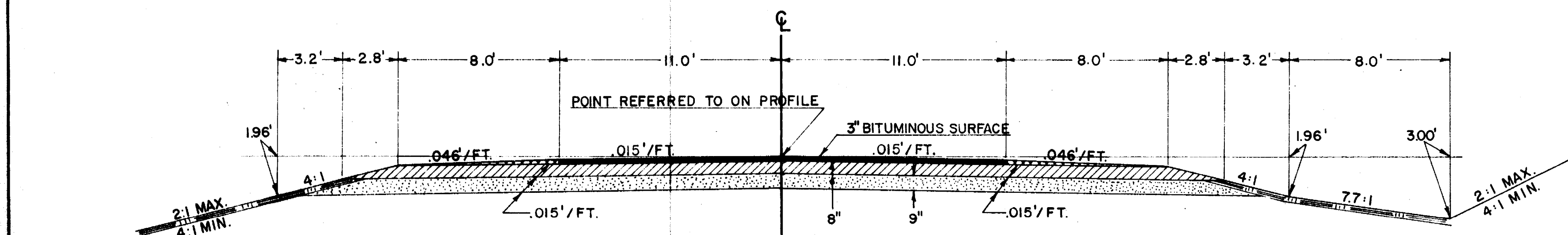
STATION TO STATION	SUPERELEVATION	A	B	C	D	E	F	G	H	J	K	SUBBASE DEPTH	BASE DEPTH
± 131 — ± 137	.06'/FT.	3.9'	4.4'	1.3'	8.0'	12.0'	22.0'	3.0'	0.8'	2.7'	2.4'	9"	10"
± 139 — ± 147	.06'/FT.	2.4'	2.7'	0.8'	8.0'	12.0'	22.0'	3.0'	1.3'	4.4'	3.9'	9"	10"
± 192 — ± 203	.06'/FT.	2.4'	2.2'	0.5'	8.0'	11.0'	11.0'	8.0'	0.9'	3.5'	3.9'	9"	8"
± 226 — ± 230	.05'/FT.	3.8'	3.4'	0.8'	8.0'	11.0'	11.0'	8.0'	0.6'	2.2'	2.5'	9"	8"
± 230 — ± 239	.05'/FT.	3.8'	3.4'	0.8'	5.0'	11.0'	11.0'	5.0'	0.6'	2.2'	2.5'	9"	8"
± 250 — ± 256	.04'/FT.	3.6'	3.2'	0.8'	5.0'	11.0'	11.0'	5.0'	0.6'	2.3'	2.6'	9"	8"

NOTE: 175' TRANSITION LENGTH, 2/3 OF WHICH SHALL BE ON THE TANGENT APPROACH AND 1/3 WITHIN THE CURVE.



ULTIMATE TYPICAL SECTION

STA. 131+00 TO STA. 148+00 LT. & RT.



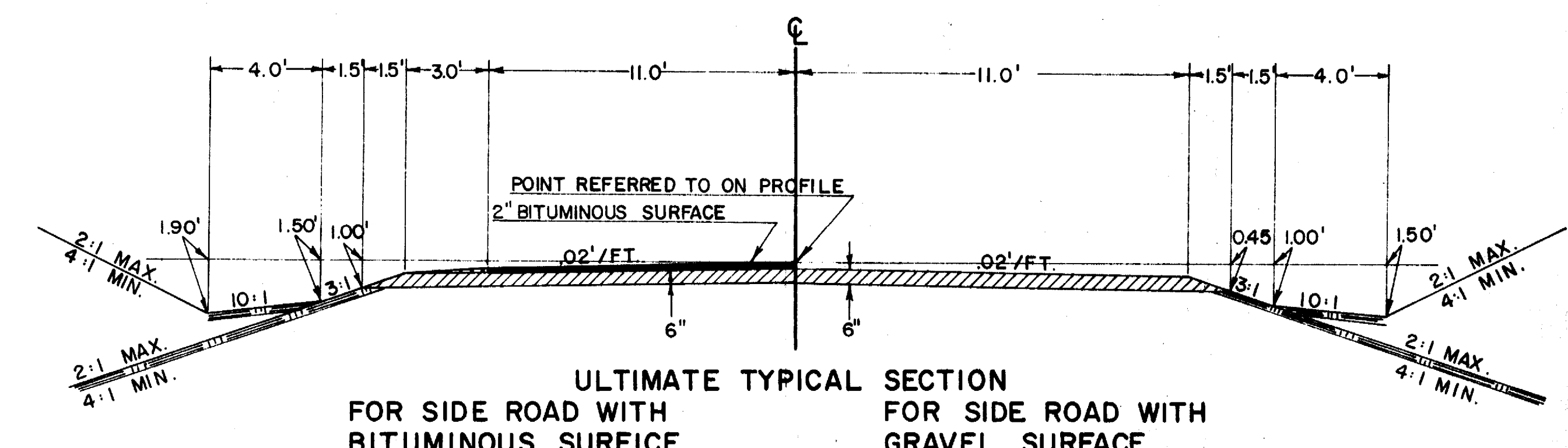
ULTIMATE TYPICAL SECTION

STA. 179+00 TO STA. 230+00 LT. & RT.
STA. 179+00 TO STA. 184+00 SEE CROSS SECTIONS

NOTE: ITEM OF TOPSOIL ESTIMATED TO BE USED ON SLOPES STA. 12+00 TO STA. 85+00 ONLY. OTHER TOPSOILED SLOPES COVERED WITH SALVAGED TOPSOIL.

LEGEND

- BITUMINOUS SURFACE
- CONCRETE BASE COURSE WIDENING
- GRAVEL OR CRUSHED STONE BASE COURSE (SHOULDERS)
- GRAVEL OR CRUSHED STONE BASE COURSE
- GRANULAR SUBBASE COURSE
- TOPSOIL OR SALVAGED TOPSOIL, FERTILIZE AND SEED
- STA. 12 TO STA. 85 LT. & RT.
- STA. 161 TO STA. 168 LT.
- STA. 176 TO STA. 186 LT.
- STA. 193 TO STA. 197 LT.
- STA. 231 TO STA. 236 LT.
- ALL EXPOSED SLOPES TO BE TOPSOILED OR SALVAGED TOPSOILED, FERTILIZED AND SEEDED
- ALL OTHER SLOPES TO BE SALVAGED TOPSOILED, FERTILIZED, AND SEEDED AS SHOWN ON TYPICAL SECTIONS.



ULTIMATE TYPICAL SECTION FOR SIDE ROAD WITH BITUMINOUS SURFACE

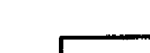
ULTIMATE TYPICAL SECTION FOR SIDE ROAD WITH GRAVEL SURFACE

TYPICAL CROSS SECTION FOR

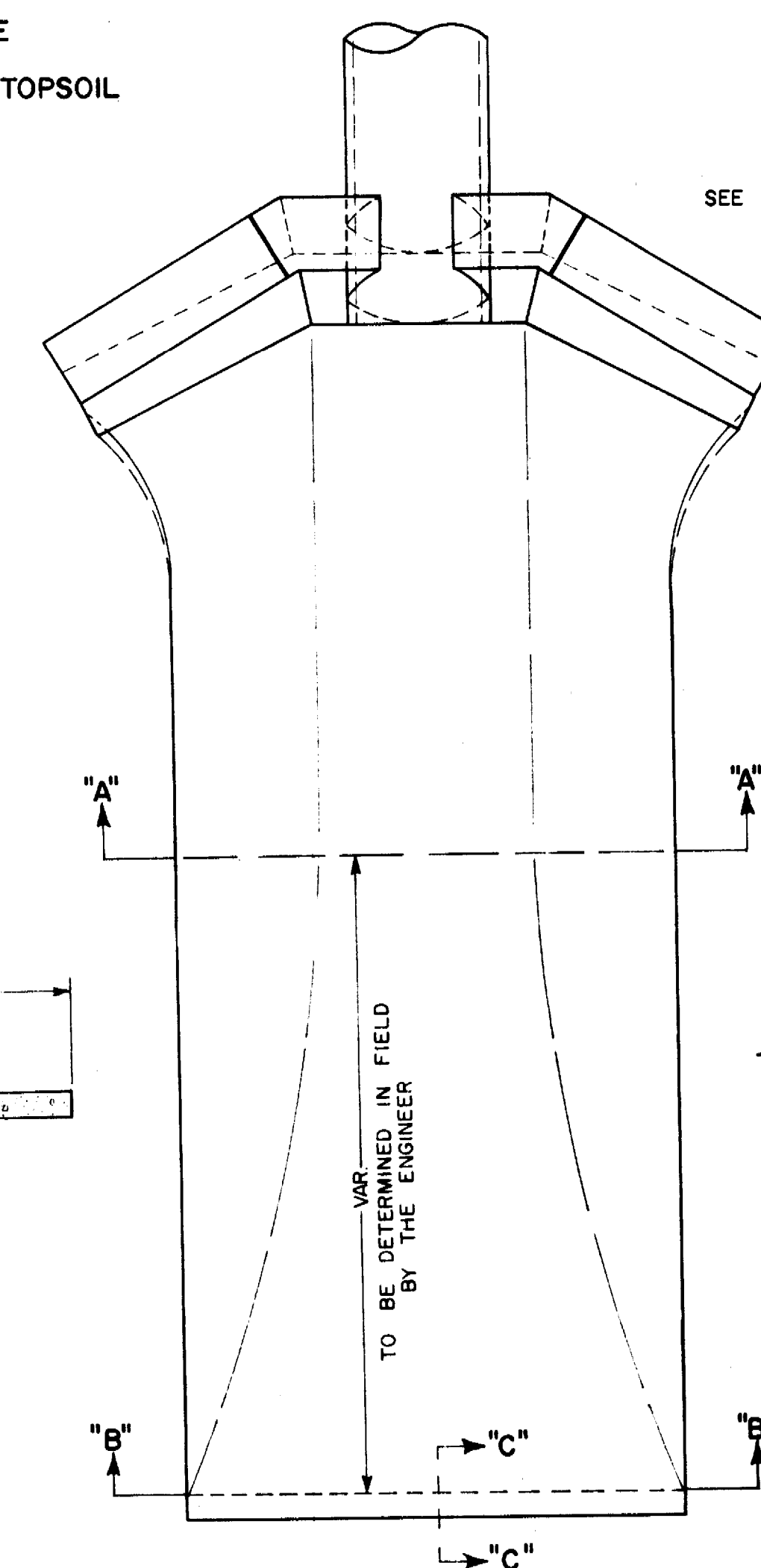
40' ROADWAY
32' ROADWAY
CLIMBING LANE

PROJECT	SHEET NUMBER	TOTAL SHEETS
SO14 (3)	2.1	

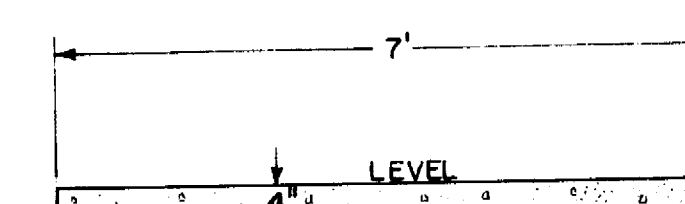
LEGEND

-  GRAVEL OR CRUSHED STONE BASE COURSE
-  GRANULAR SUBBASE COURSE
-  P.C. CONCRETE
-  3" SALVAGED TOPSOIL

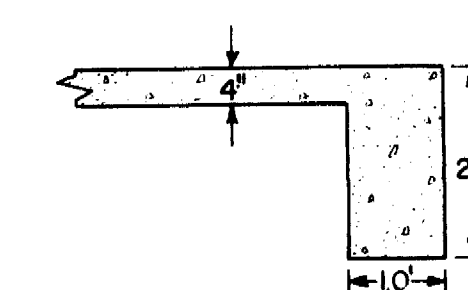
STANDARD CULVERT ENDWALL
SEE STANDARD DETAIL DRAWING PLATE NO. 6-242



NOTE:
PAYMENT FOR QUANTITIES IN CUTOFF WALL
ARE TO BE INCLUDED IN THE PRICE OF
CONCRETE SLOPE PAVING.



SECTION "B"- "B"



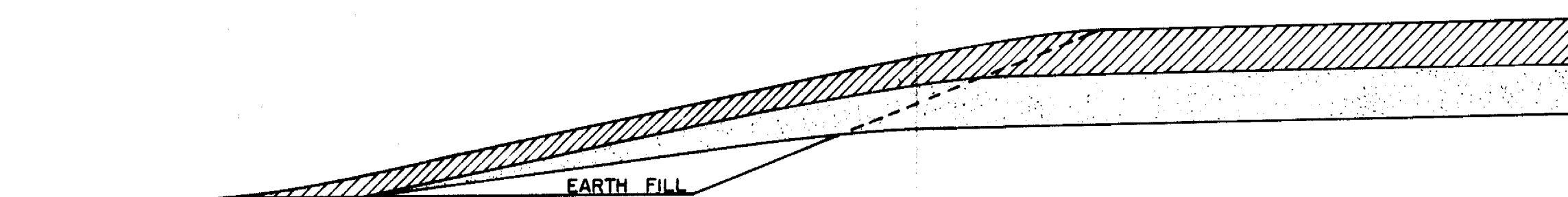
SECTION "C"- "C"

CONCRETE SLOPE PAVING

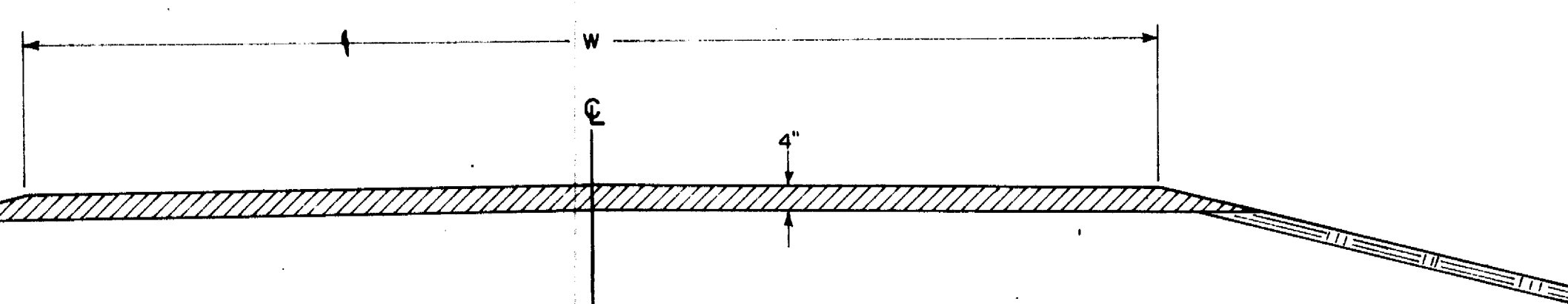
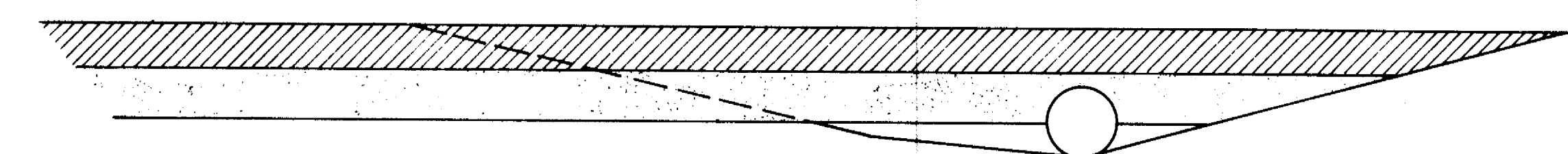
SIDE ROAD INTERSECTION DETAILS

STA. 17 + 54 TO 80 + 00

PROFILE OF SIDE ROADS & PRIVATE ENTRANCES IN FILL
SHOWING GRANULAR SUBBASE RUNOUT

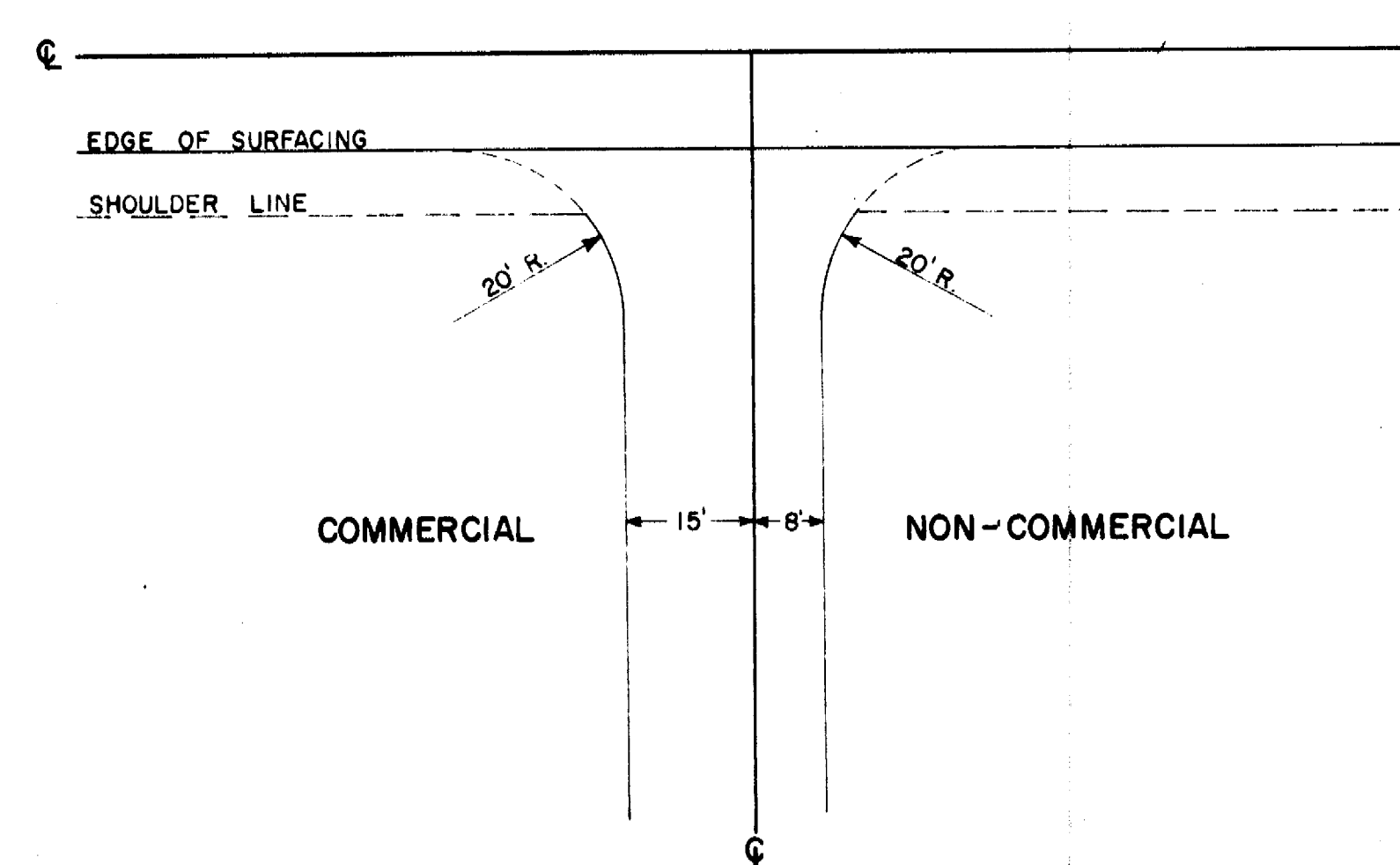


PROFILE OF SIDE ROADS & PRIVATE ENTRANCES IN CUT
SHOWING GRANULAR SUBBASE RUNOUT

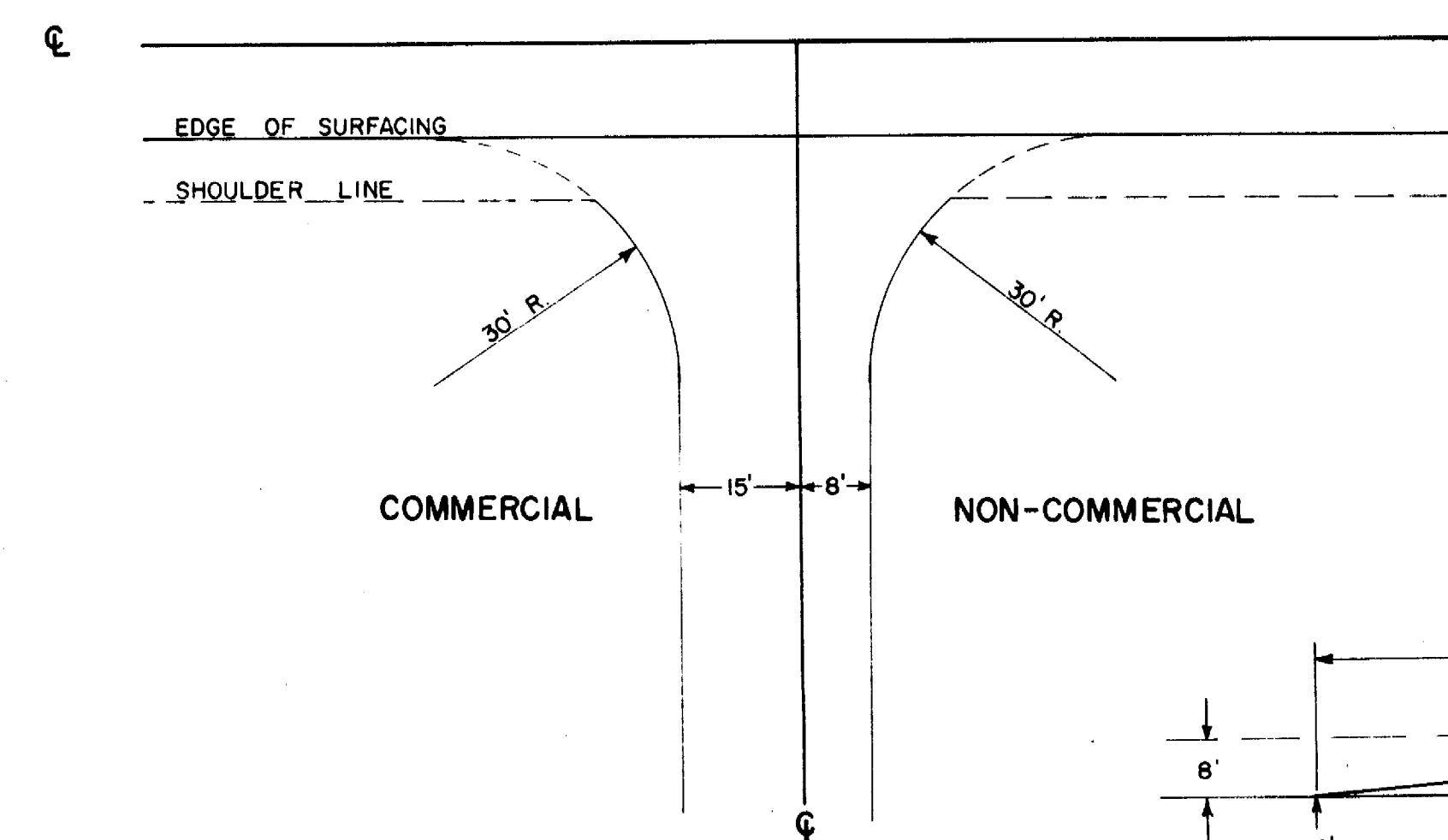


W = 16' OR 30' EXCEPT AS OTHERWISE SHOWN ON PLANS

TYPICAL SECTION FOR PRIVATE ENTRANCES

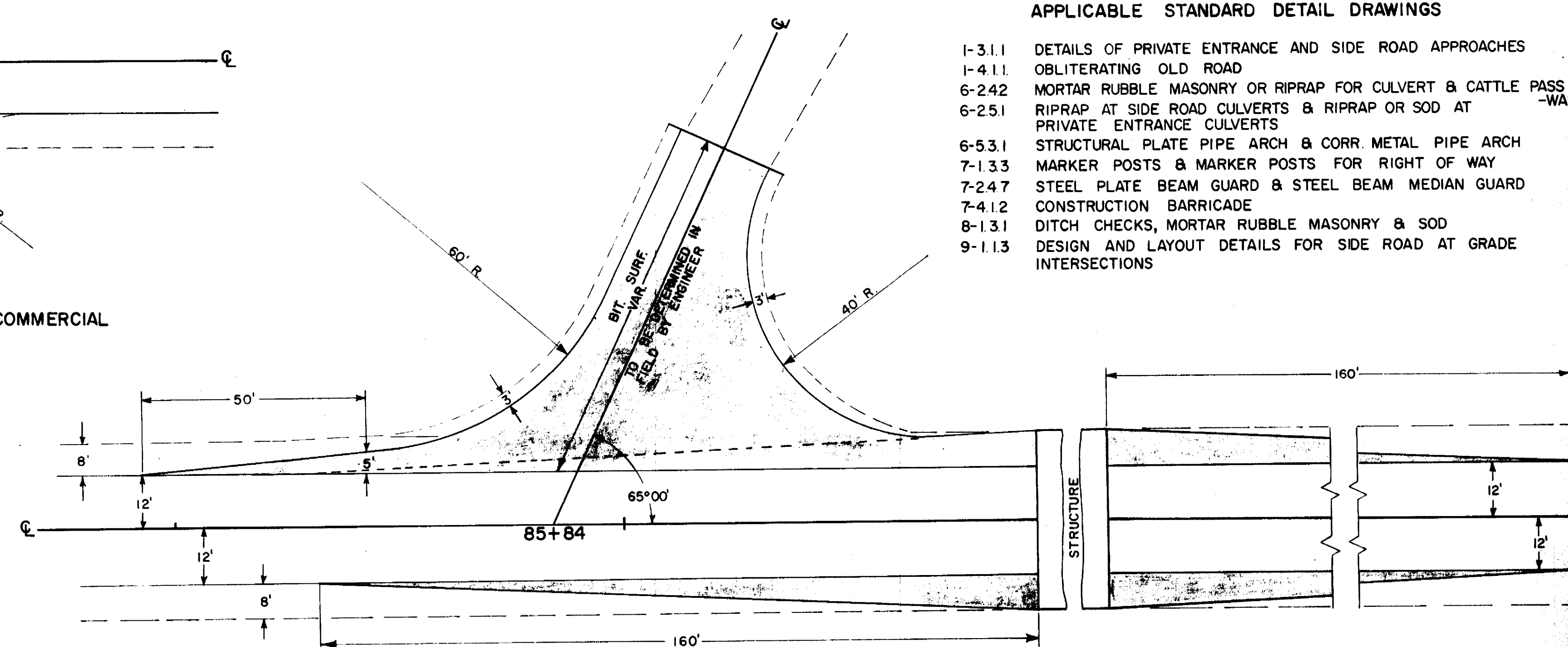


STA. 17 + 54 TO STA. 85 + 00



STA. 85 + 00 TO STA. 347 + 00

TYPICAL PLANS FOR PRIVATE ENTRANCES



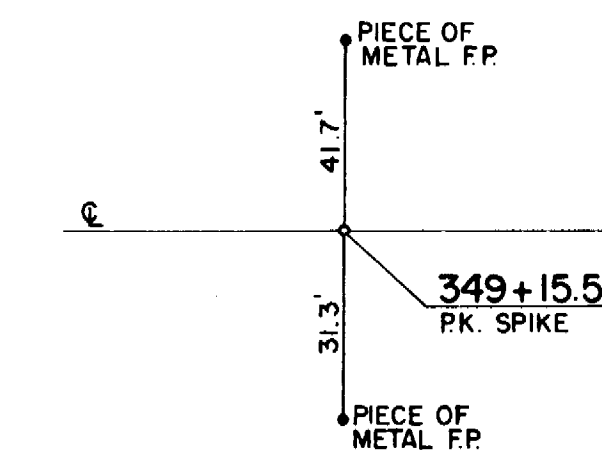
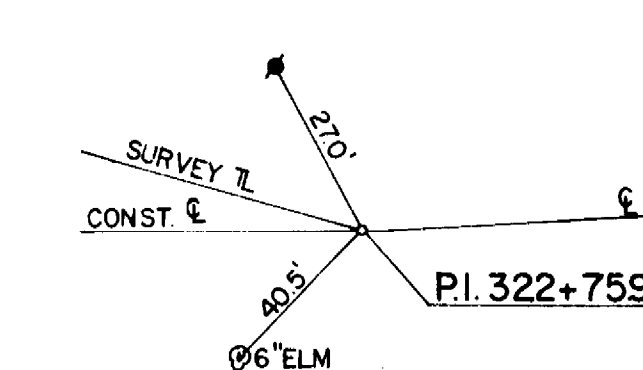
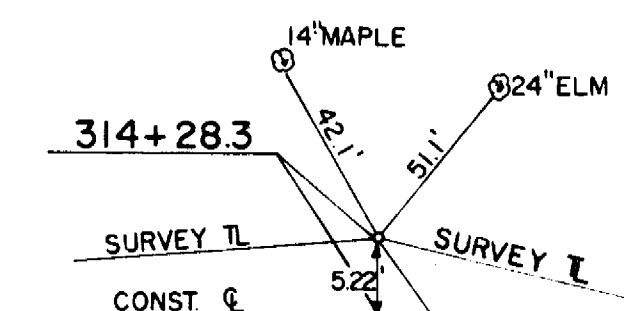
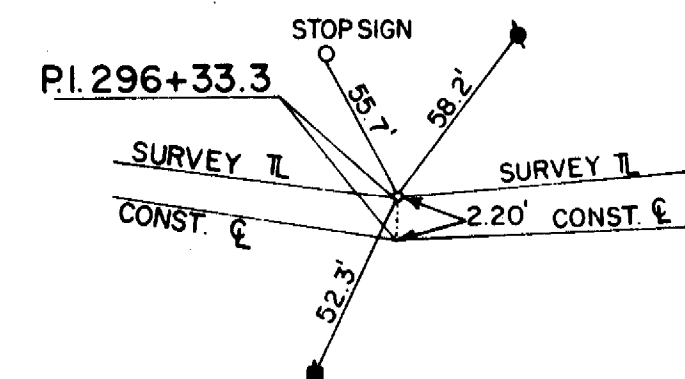
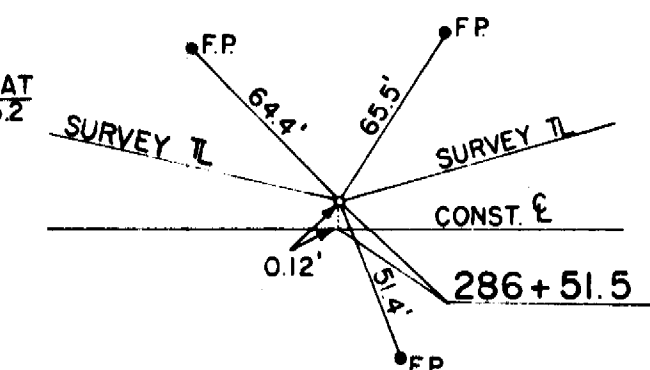
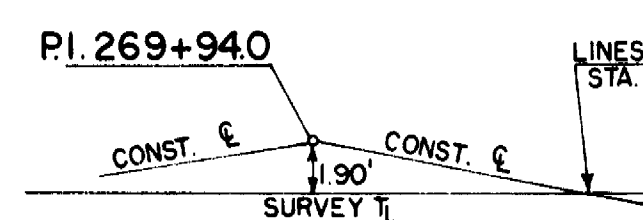
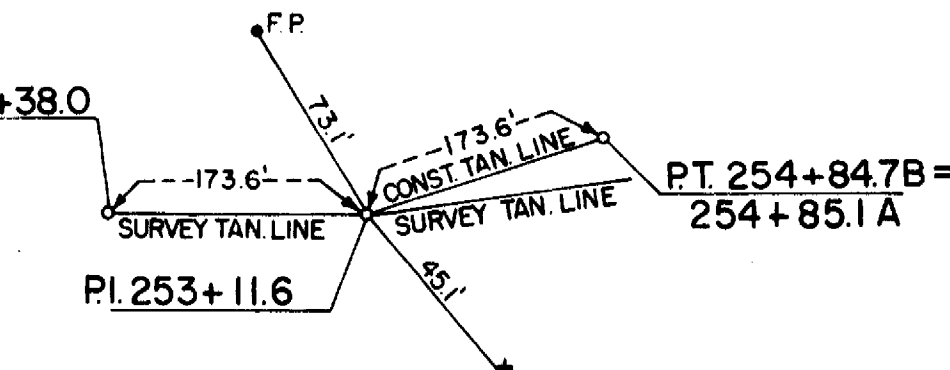
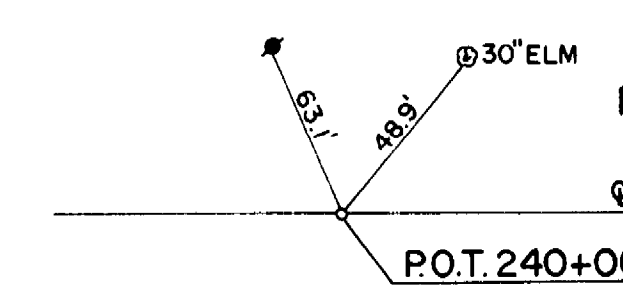
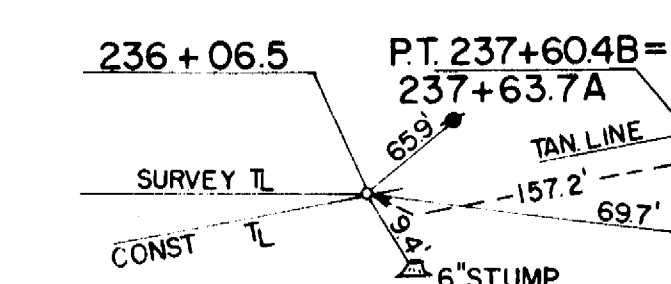
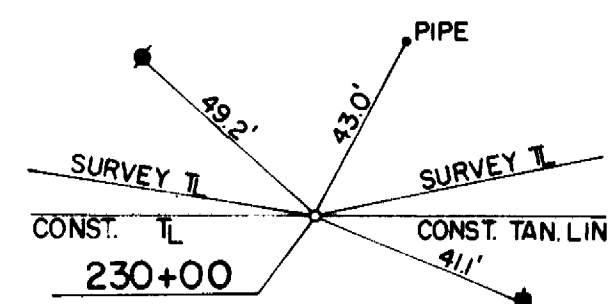
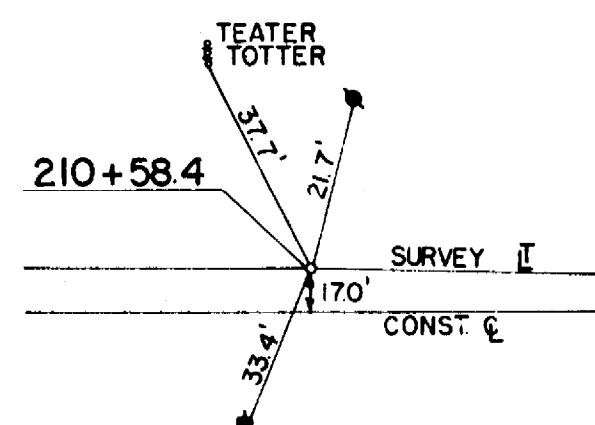
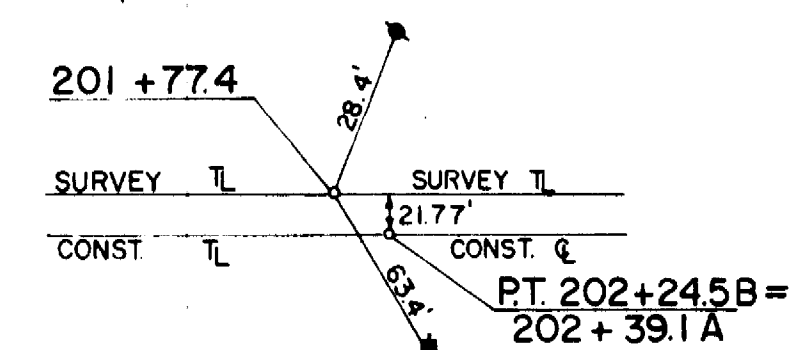
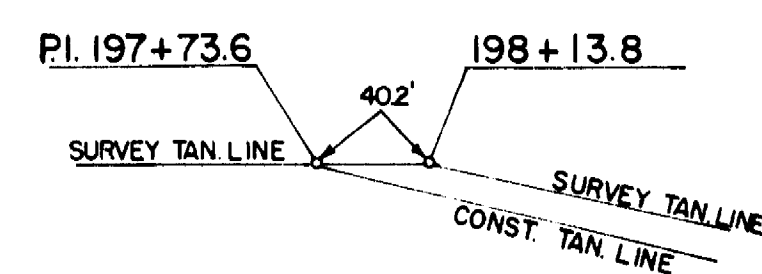
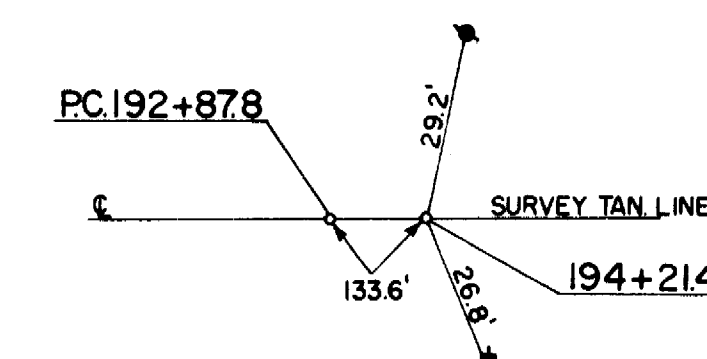
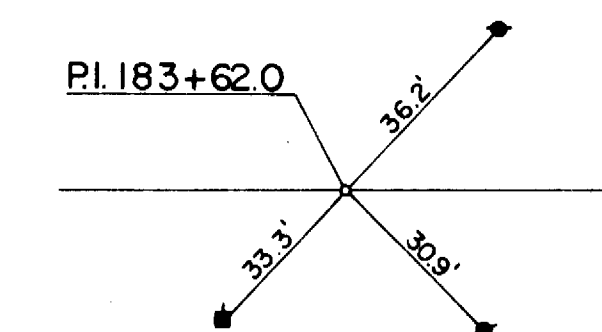
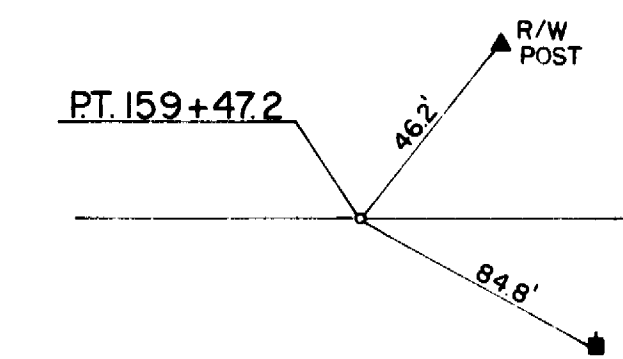
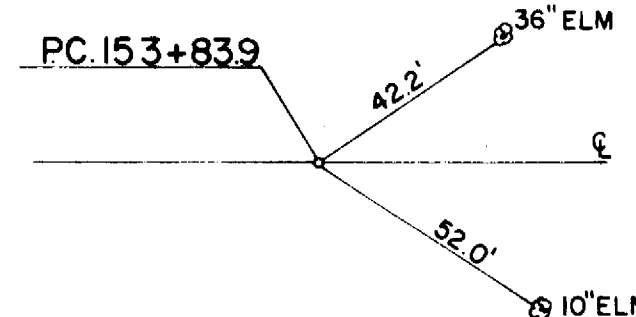
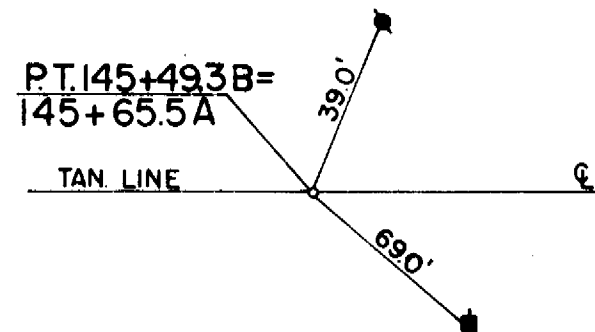
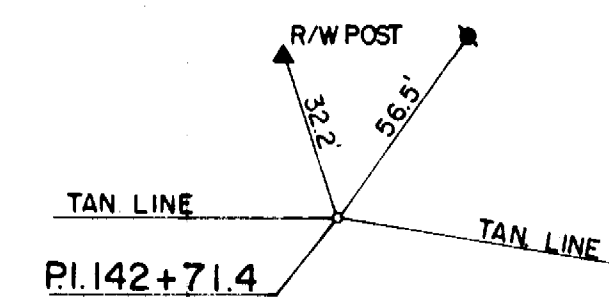
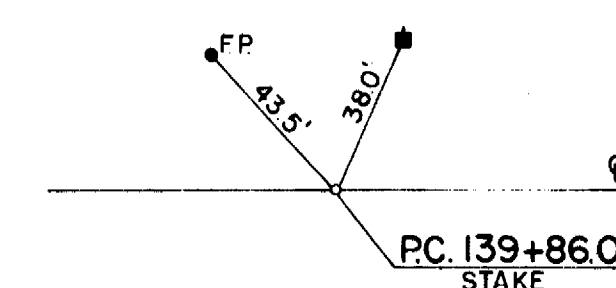
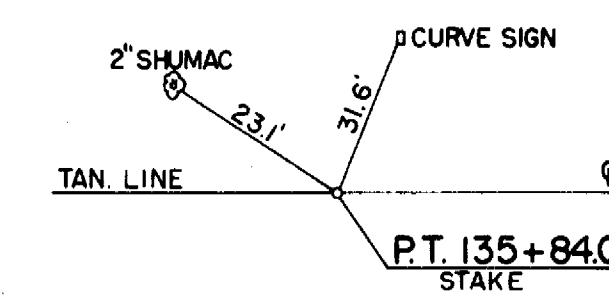
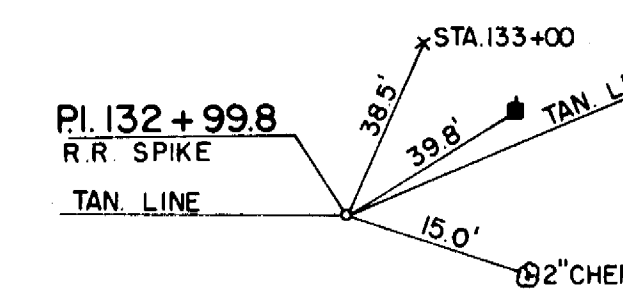
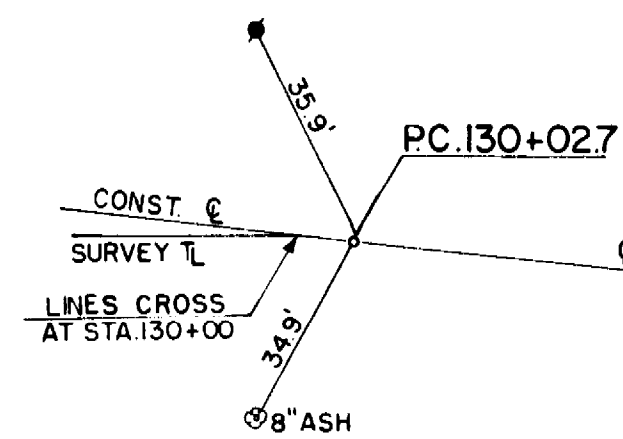
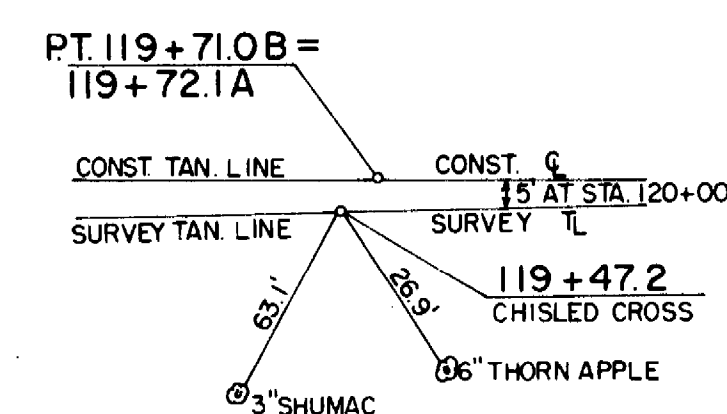
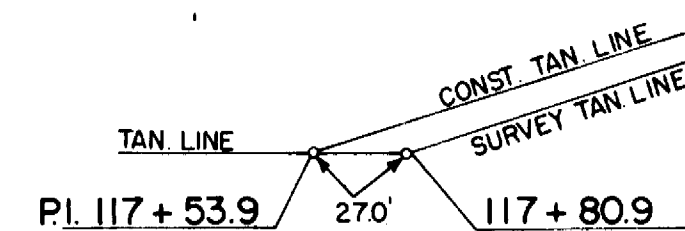
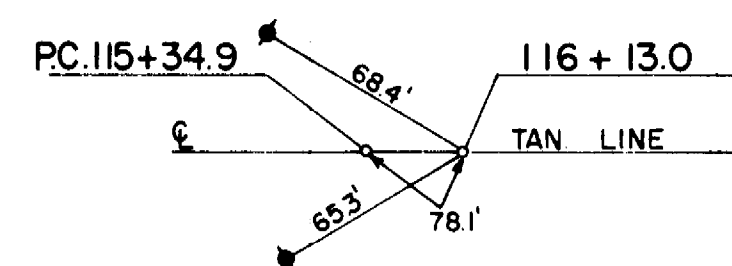
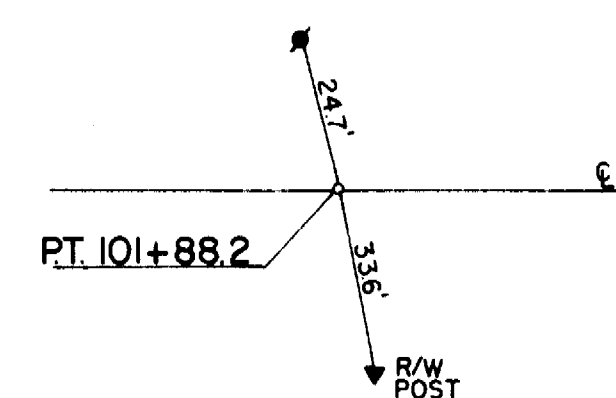
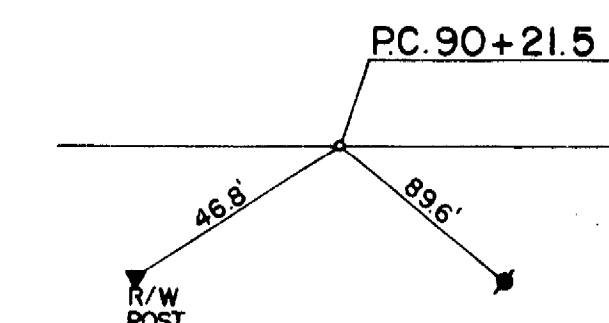
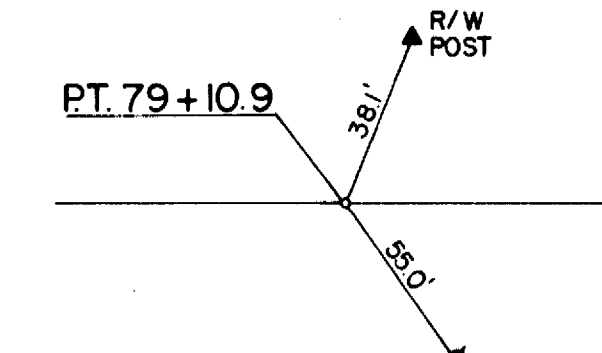
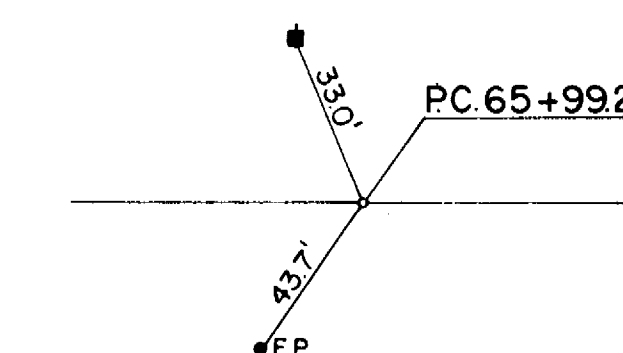
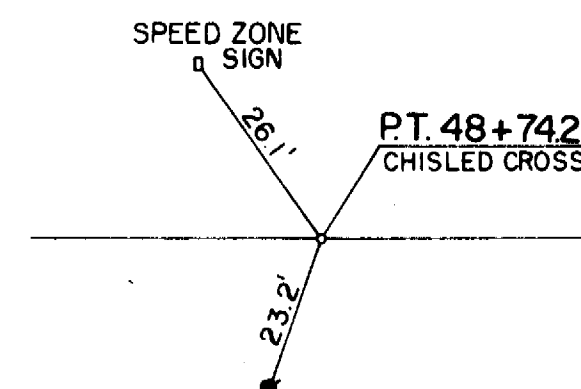
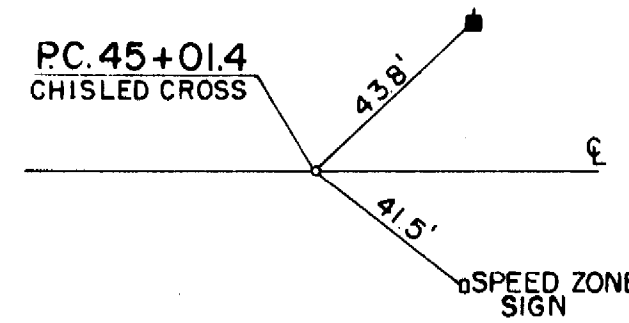
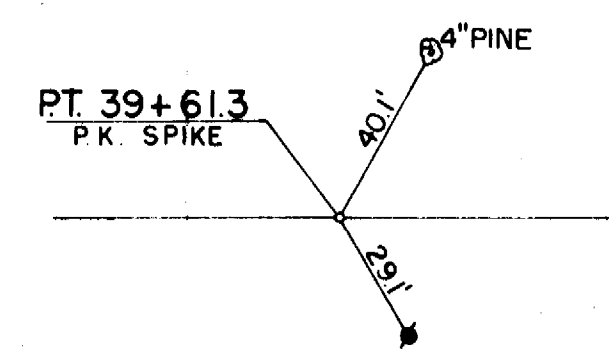
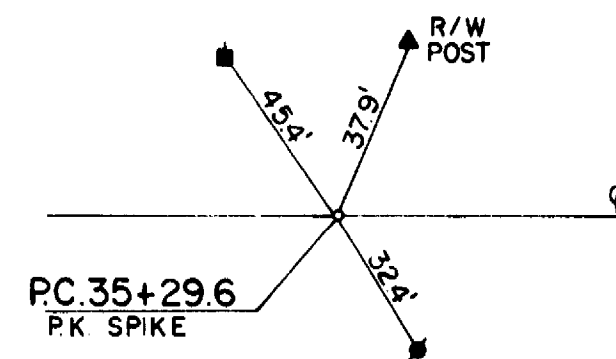
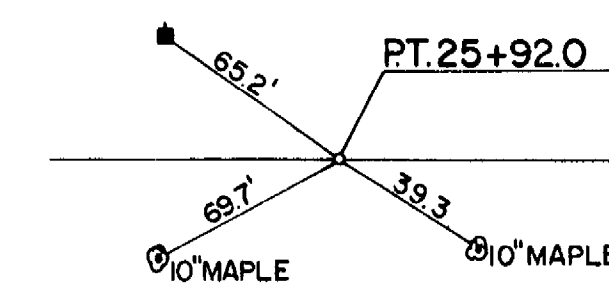
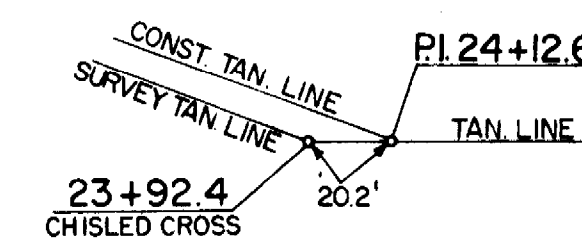
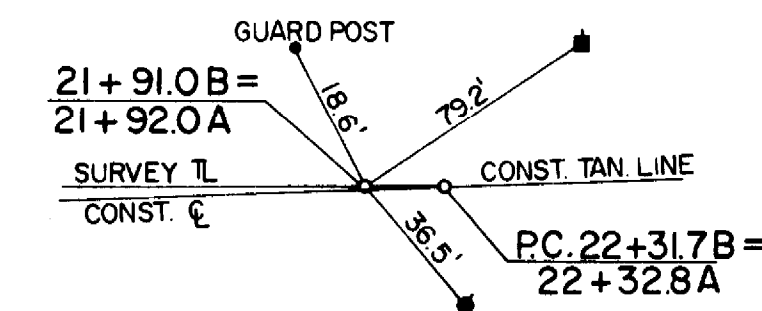
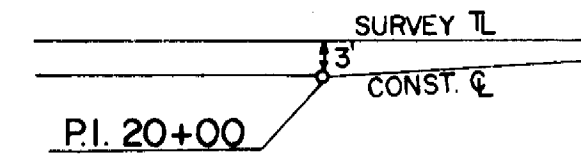
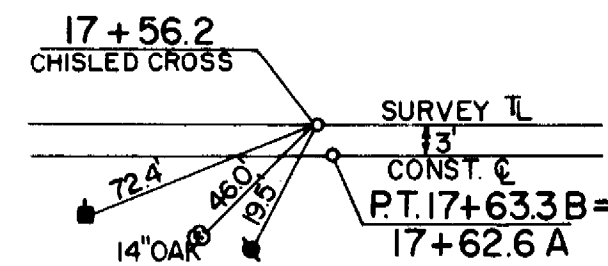
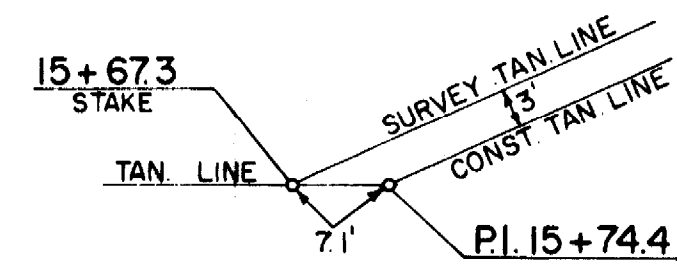
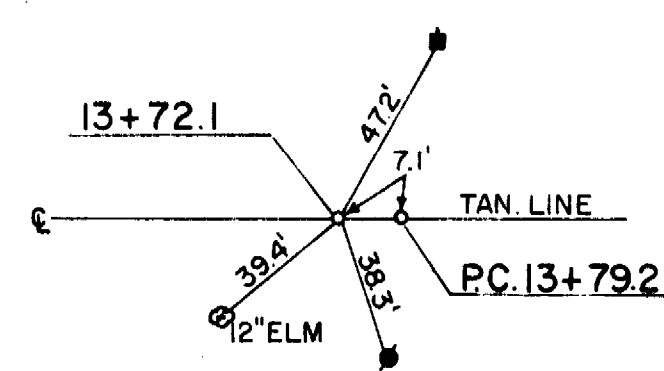
INTERSECTION AND TAPER DETAILS
STA. 85 + 84

TAPER DETAILS AT STRUCTURES

APPLICABLE STANDARD DETAIL DRAWINGS

- 1-3.1.1 DETAILS OF PRIVATE ENTRANCE AND SIDE ROAD APPROACHES
- 1-4.1.1 OBLITERATING OLD ROAD
- 6-2.4.2 MORTAR RUBBLE MASONRY OR RIPRAP FOR CULVERT & CATTLE PASS END WALLS
- 6-2.5.1 RIPRAP AT SIDE ROAD CULVERTS & RIPRAP OR SOD AT PRIVATE ENTRANCE CULVERTS
- 6-5.3.1 STRUCTURAL PLATE PIPE ARCH & CORR METAL PIPE ARCH
- 7-1.3.3 MARKER POSTS & MARKER POSTS FOR RIGHT OF WAY
- 7-2.4.7 STEEL PLATE BEAM GUARD & STEEL BEAM MEDIAN GUARD
- 7-4.1.2 CONSTRUCTION BARRICADE
- 8-1.3.1 DITCH CHECKS, MORTAR RUBBLE MASONRY & SOD
- 9-1.1.3 DESIGN AND LAYOUT DETAILS FOR SIDE ROAD AT GRADE INTERSECTIONS

INTERSECTION DETAILS AT C.T.H. "WW" EASTBOUND



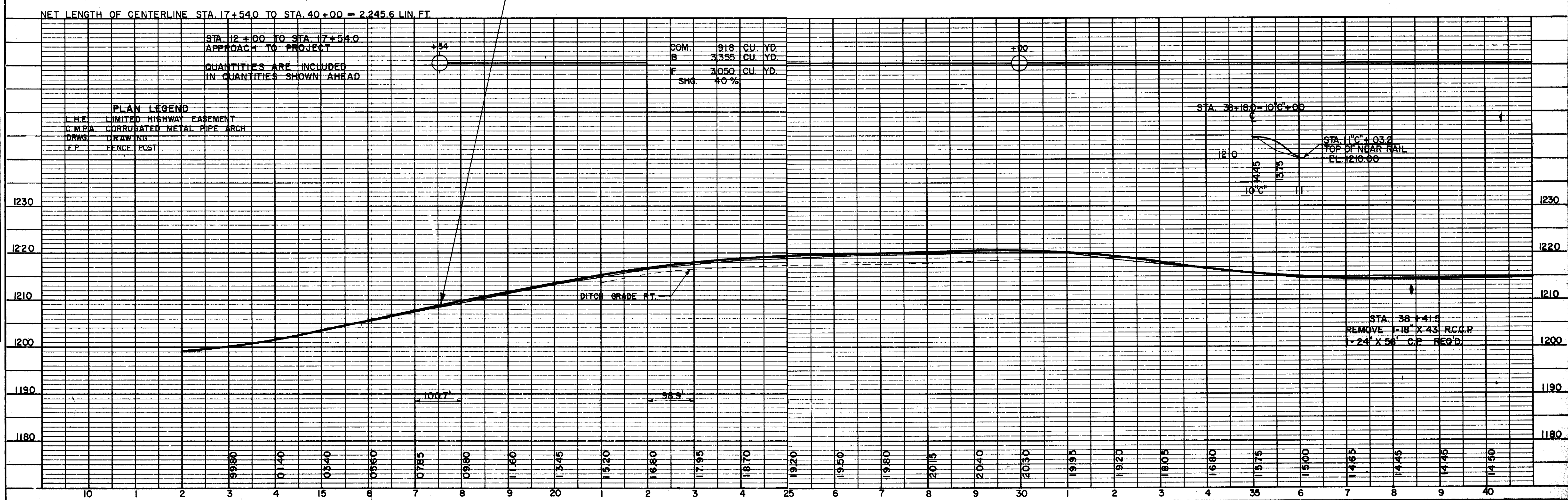
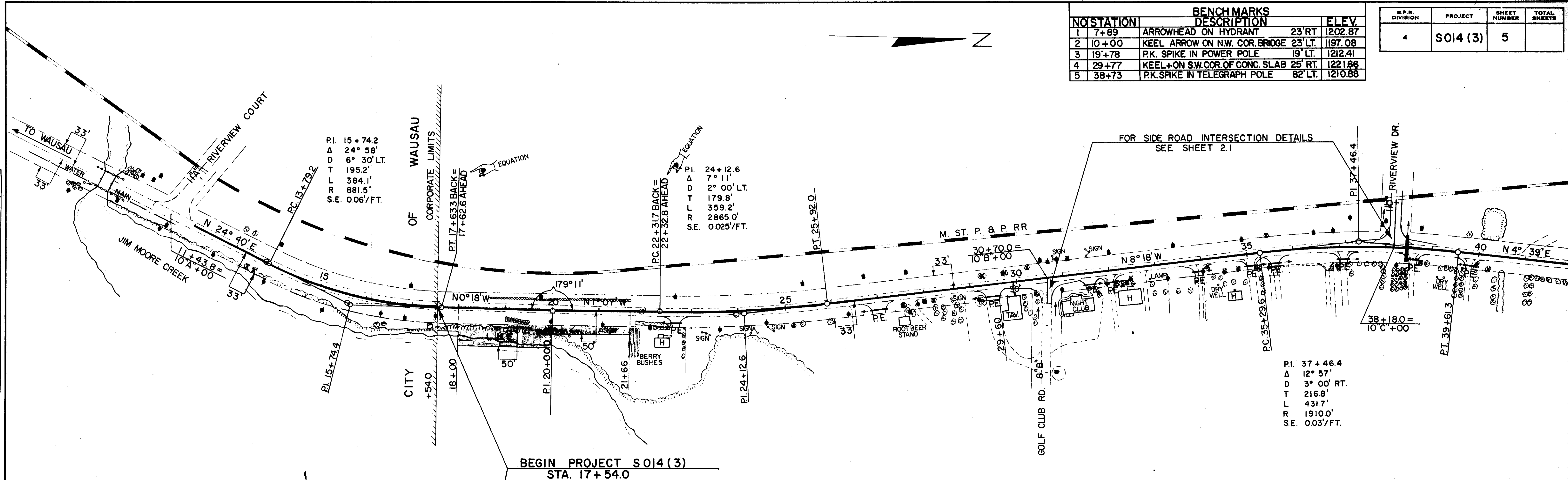
CENTERLINE REFERENCE TIES

DATE	BY	REVISION
1/1/60	J.C.C.	1.00
3/7/61	J.C.C.	2.00
3/7/61	J.C.C.	3.00
3/7/61	J.C.C.	4.00
3/7/61	J.C.C.	5.00
3/7/61	J.C.C.	6.00
3/7/61	J.C.C.	7.00
3/7/61	J.C.C.	8.00
3/7/61	J.C.C.	9.00
3/7/61	J.C.C.	10.00

DATE	BY	REVISION
1/1/60	J.C.C.	1.00
3/7/61	J.C.C.	2.00
3/7/61	J.C.C.	3.00
3/7/61	J.C.C.	4.00
3/7/61	J.C.C.	5.00
3/7/61	J.C.C.	6.00
3/7/61	J.C.C.	7.00
3/7/61	J.C.C.	8.00
3/7/61	J.C.C.	9.00
3/7/61	J.C.C.	10.00

NO	STATION	BENCHMARK DESCRIPTION	ELEV
1	7+89	ARROWHEAD ON HYDRANT	23' RT. 1202.87
2	10+00	KEEL ARROW ON N.W. COR. BRIDGE	23' LT. 1197.08
3	19+78	P.K. SPIKE IN POWER POLE	19' LT. 1212.41
4	29+77	KEEL+ON SW. COR. OF CONC. SLAB	25' RT. 1221.66
5	38+73	P.K. SPIKE IN TELEGRAPH POLE	82' LT. 1210.88

S.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S014 (3)	5	

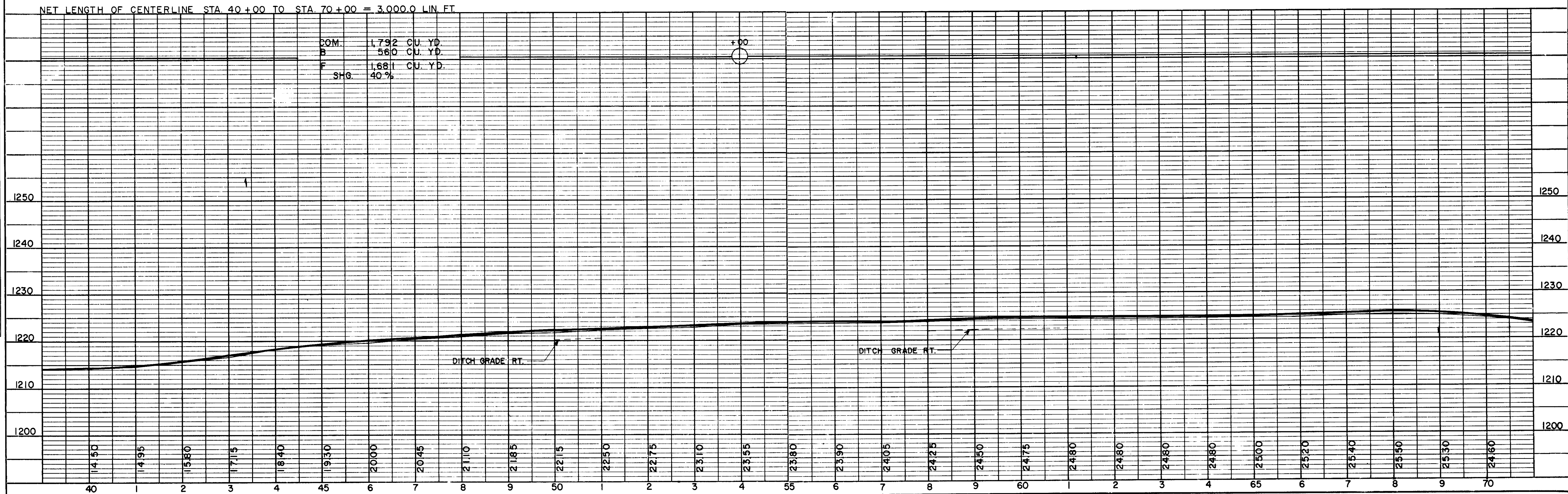


DATE	BY	REVISION
12/7/60	J.C.C.	1. SURVEYED
3/7/61	J.C.C.	2. PLANNED
3/7/61	J.C.C.	3. ALIGNED
3/7/61	J.C.C.	4. CHECKED
3/7/61	J.C.C.	5. RT. OF WAY
3/7/61	J.C.C.	6. CHECKED
3/7/61	J.C.C.	7. NO. 2,700

DATE	BY	REVISION
12/7/60	J.C.C.	1. SURVEYED
3/7/61	J.C.C.	2. PLANNED
3/7/61	J.C.C.	3. ALIGNED
3/7/61	J.C.C.	4. CHECKED
3/7/61	J.C.C.	5. RT. OF WAY
3/7/61	J.C.C.	6. CHECKED
3/7/61	J.C.C.	7. NO. 2,700

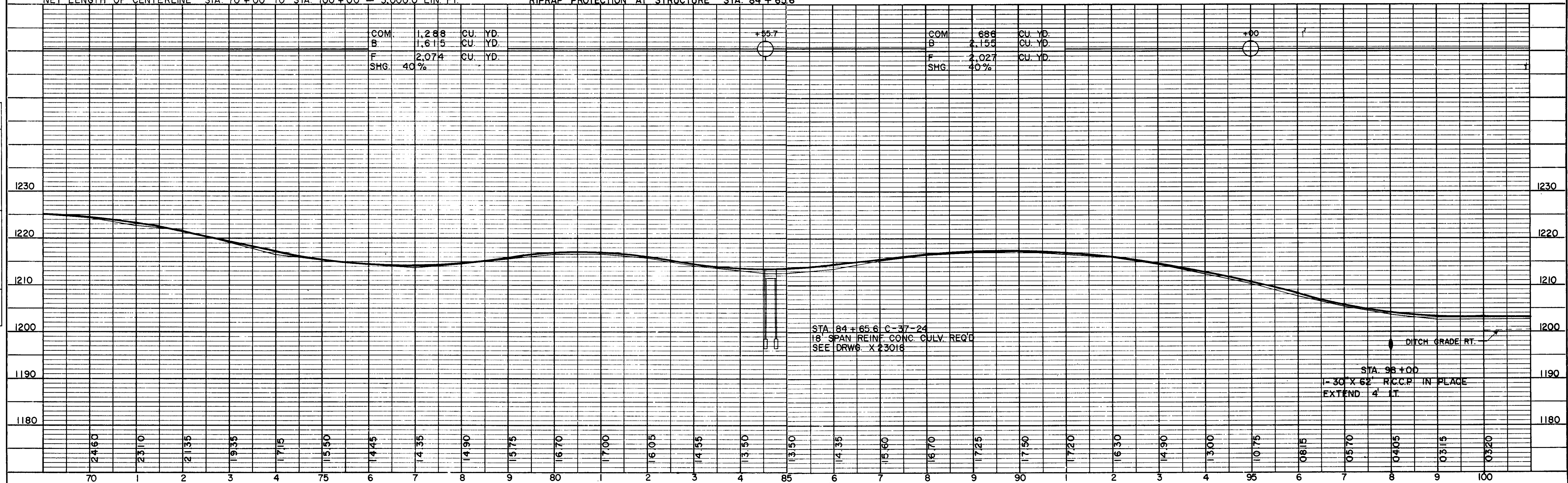
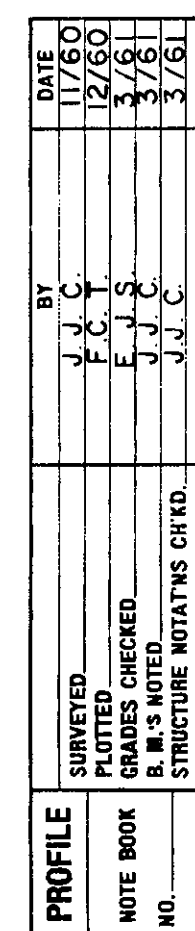
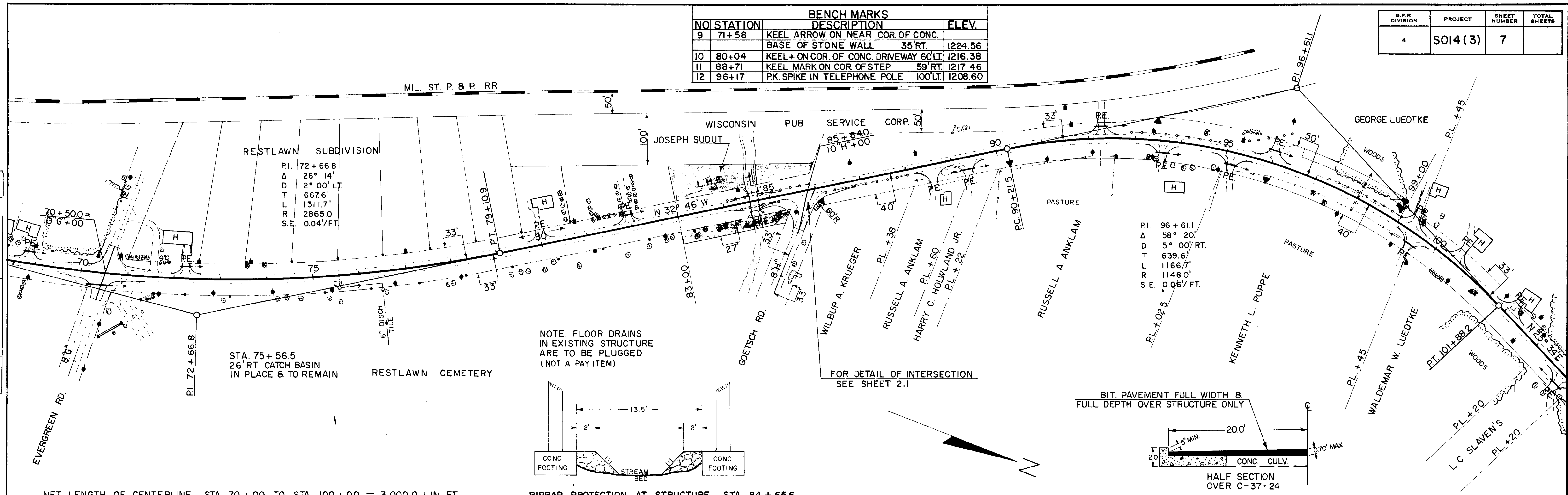
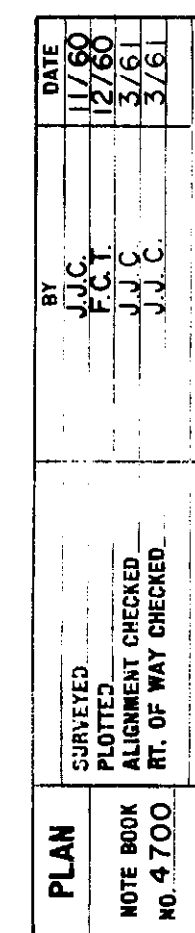
NO.	STATION	BENCH MARKS DESCRIPTION	ELEV.
6	47+34	KEEL+ ON GAS PUMP ISLAND	40.1' 1219.80
7	57+16	KEEL MARK ON COR. OF 2ND STEP	62.1' 1225.15
8	66+51	S.W. COR. OF PLANTER	71.5' 1227.92

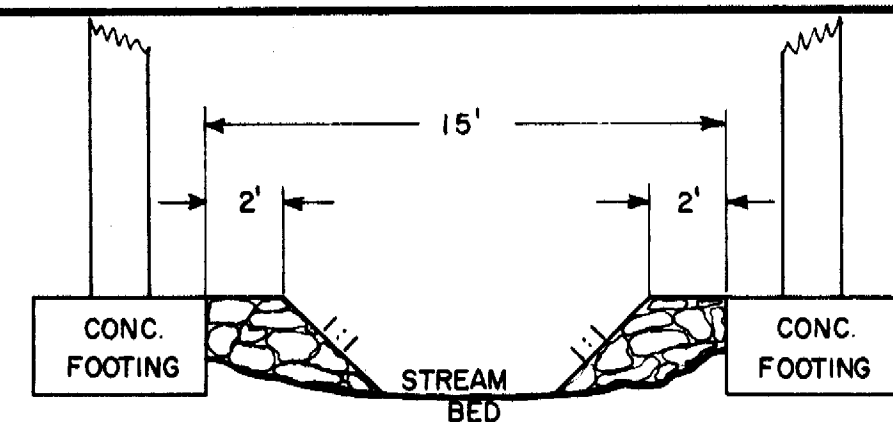
B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	SO14 (3)	6	



B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	SO14 (3)	7	

BENCH MARKS			
NO	STATION	DESCRIPTION	ELEV.
9	71+58	KEEL ARROW ON NEAR COR. OF CONC. BASE OF STONE WALL 35 FT.	1224.56
10	80+04	KEEL + ON COR. OF CONC. DRIVEWAY 60 FT.	1216.38
11	88+7	KEEL MARK ON COR OF STEP 59 FT.	1217.46
12	96+17	PK. SPIKE IN TELEPHONE POLE 100 FT.	1208.66



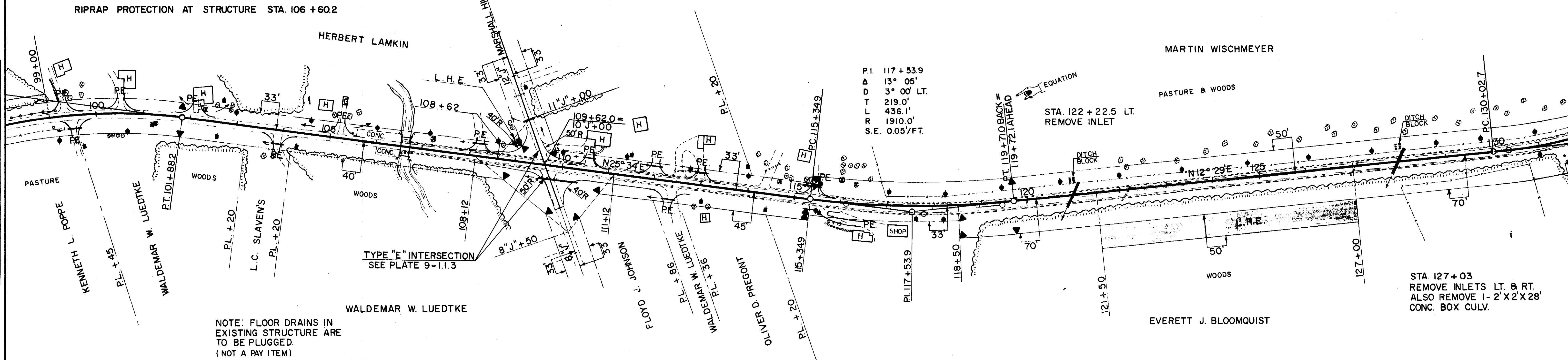


RIPRAP PROTECTION AT STRUCTURE STA. 106 + 60.2

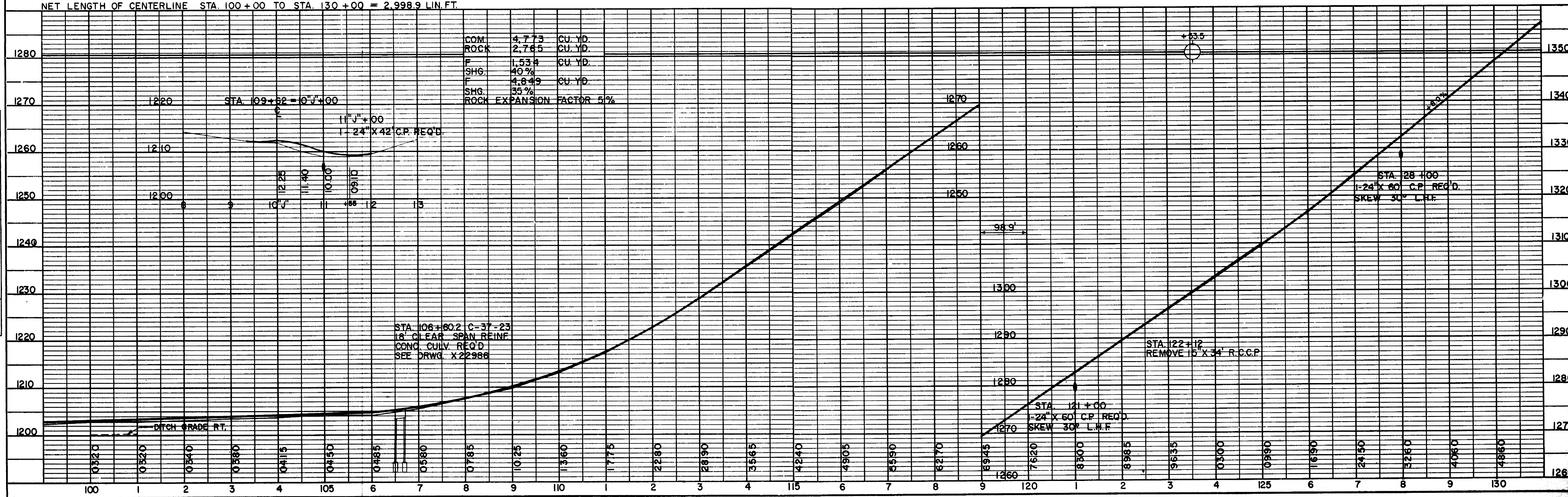
BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
13	104+85	KEEL MARK ON CONC. STEP	52' LT. 1203.40
14	113+05	P.K. SPIKE IN POWER POLE	30' RT. 1227.60
15	122+41	P.K. SPIKE IN 8" BIRCH	22' RT. 1291.34

S.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S014 (3)	8	

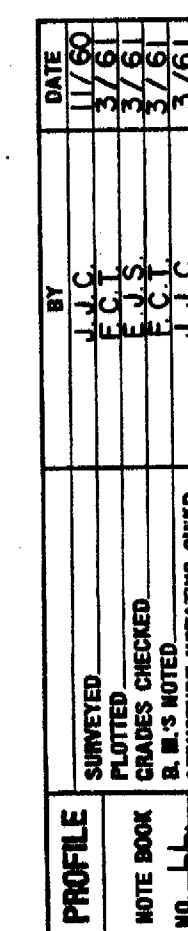
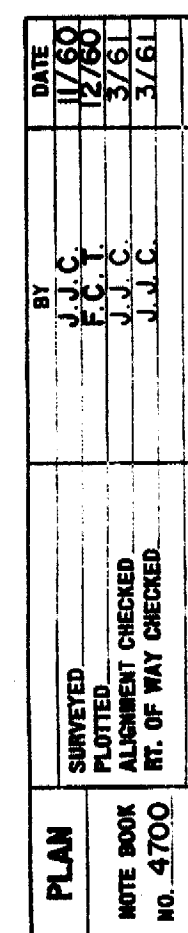
PLAN	DATE	BY	CHKD.
NO. 4700	1/20	J.C.	J.C.
NOTE: FLOOR DRAINS IN EXISTING STRUCTURE ARE TO BE PLUGGED. (NOT A PAY ITEM)	1/20	J.C.	J.C.



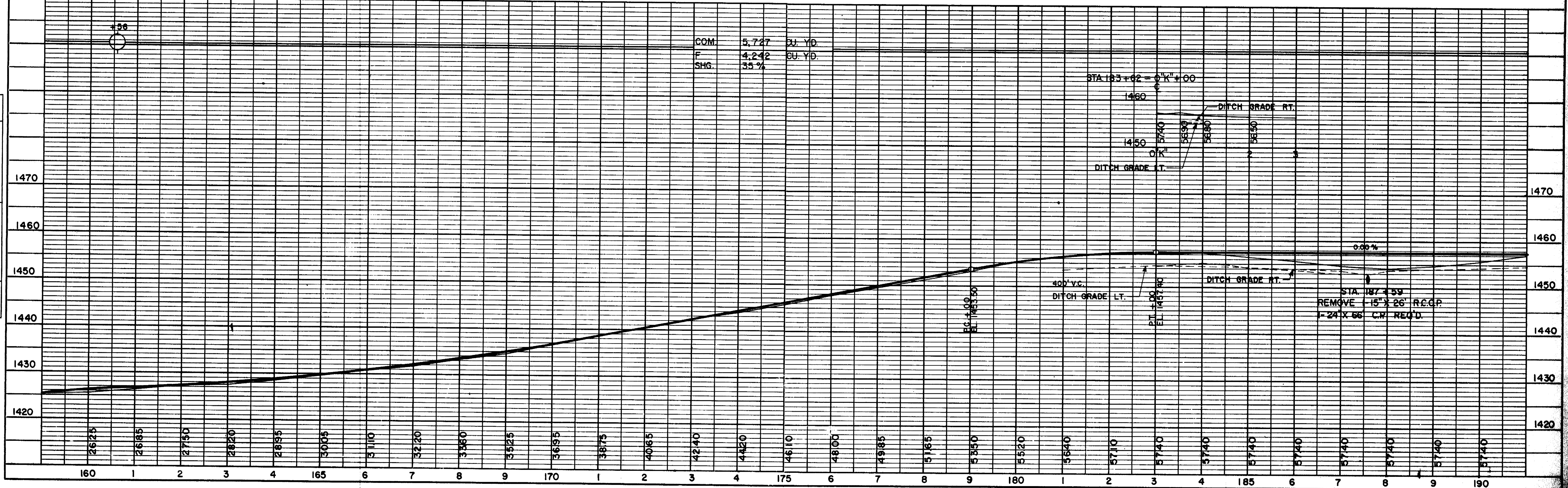
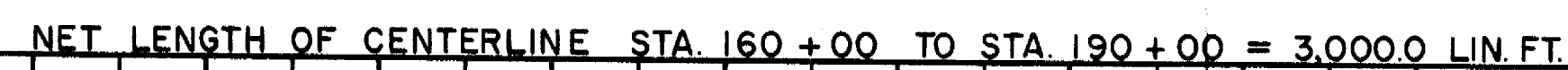
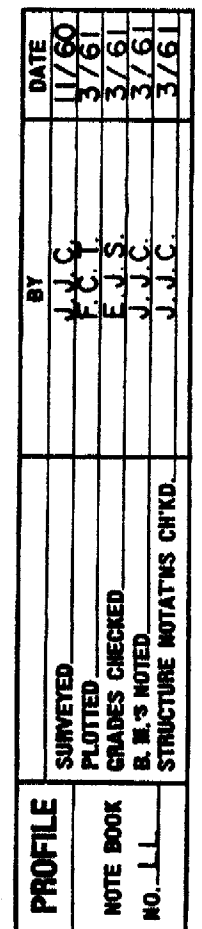
NET LENGTH OF CENTERLINE STA. 100 + 00 TO STA. 130 + 00 = 2,998.9 LIN. FT.



B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S014(3)	9	

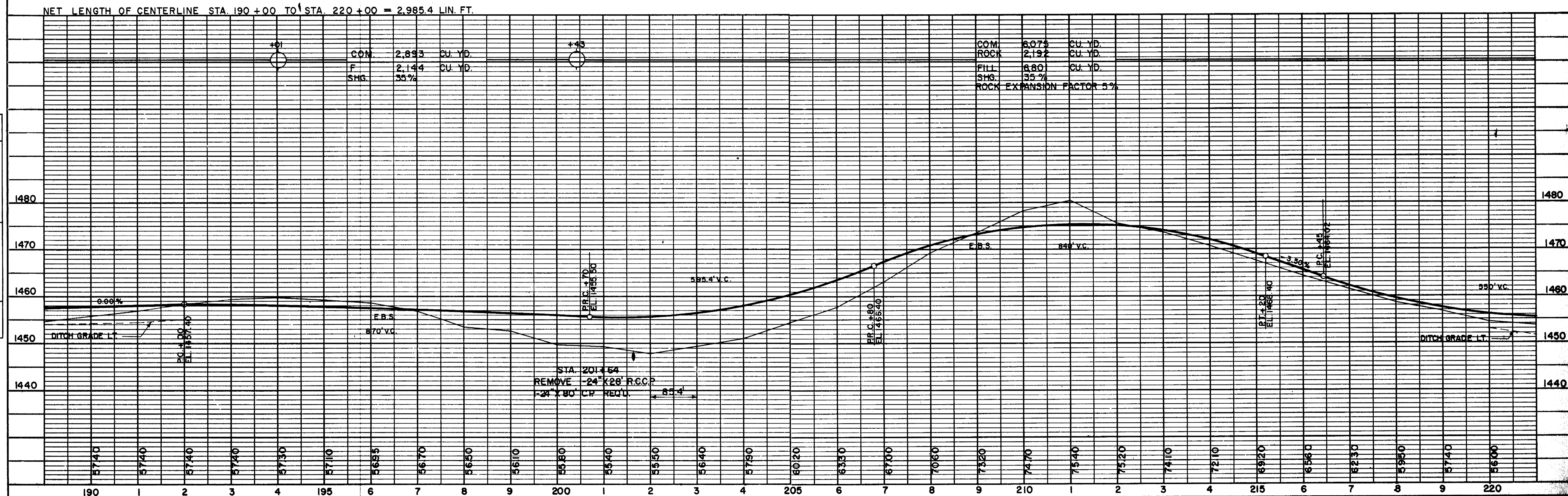
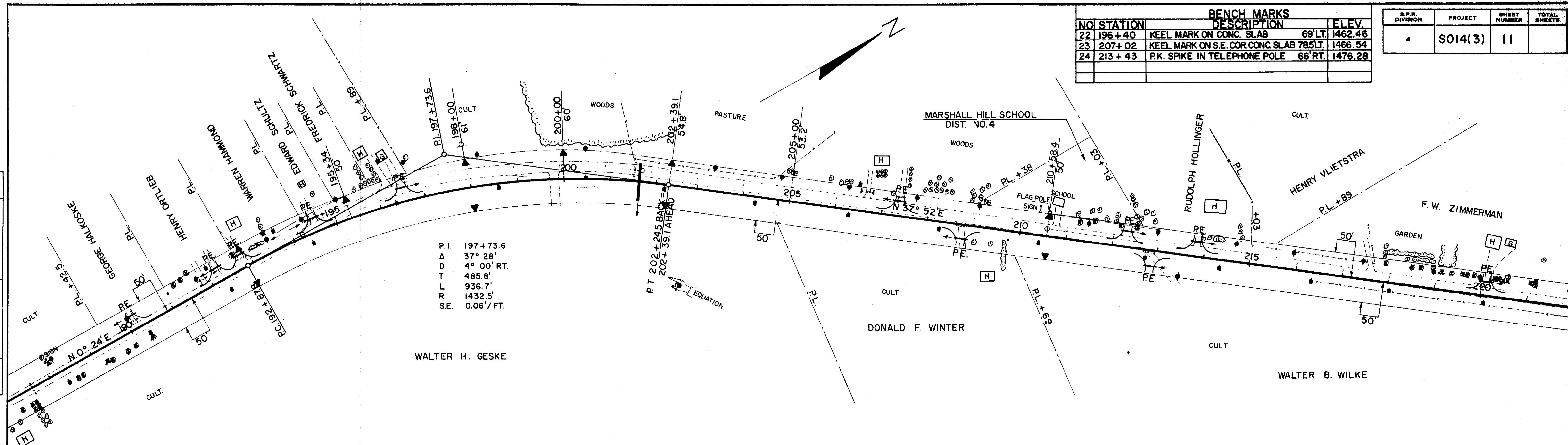


B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	SO14(3)	10	

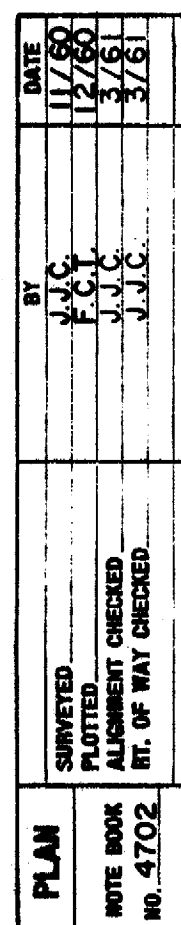


DATE	BY	REVIEWED	DATE
11/50	J.C.C.	J.C.C.	11/50
3/61	J.C.C.	J.C.C.	3/61
3/61	J.C.C.	J.C.C.	3/61
NO. 4700	NO. 4700	NO. 4700	NO. 4700

DATE	BY	REVIEWED	DATE
11/50	J.C.C.	J.C.C.	11/50
3/61	J.C.C.	J.C.C.	3/61
3/61	J.C.C.	J.C.C.	3/61
NO. 4700	NO. 4700	NO. 4700	NO. 4700



B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	SO14(3)	12	



DATE	1/7/60
BY	J.C.C.
REVISION	1/7/60
BY	J.C.C.
REVISION	3/7/61
BY	J.C.C.
REVISION	5/7/61
DATE	1/7/60
BY	J.C.C.
REVISION	1/7/60
BY	J.C.C.
REVISION	3/7/61
BY	J.C.C.
REVISION	5/7/61

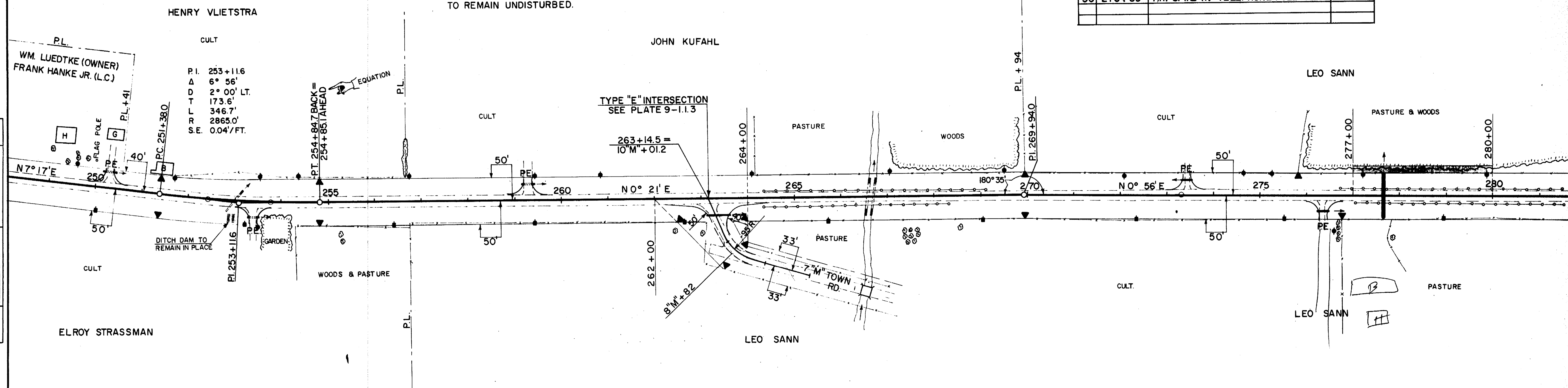
DATE	1/7/60
BY	J.C.C.
REVISION	1/7/60
BY	J.C.C.
REVISION	3/7/61
BY	J.C.C.
REVISION	5/7/61
DATE	1/7/60
BY	J.C.C.
REVISION	1/7/60
BY	J.C.C.
REVISION	3/7/61
BY	J.C.C.
REVISION	5/7/61

NOTE: STA. 244± TO 263± LT. & RT.
EXISTING FIELD STONE DITCH PROTECTION
TO REMAIN UNDISTURBED.

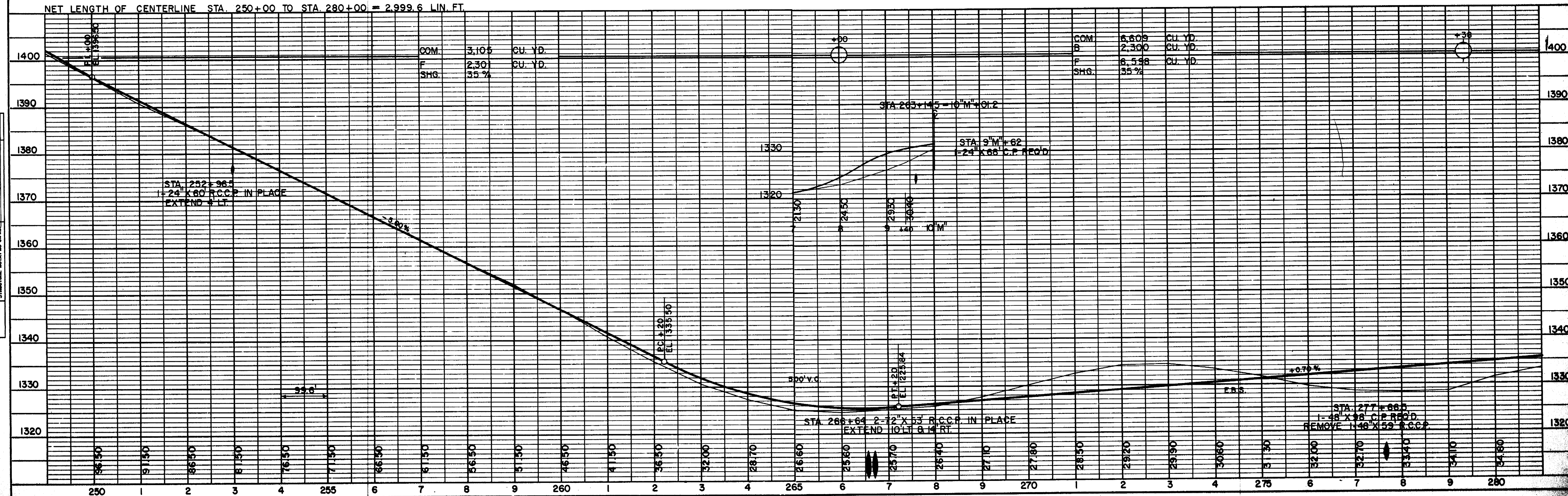


BENCH MARKS		
NO	STATION	DESCRIPTION
28	253+48	P.K. SPIKE IN TELEPHONE POLE 50' RT.
29	262+44	P.K. SPIKE IN 30' MAPLE 62' RT.
30	276+59	P.K. SPIKE IN TELEPHONE POLE 71' RT.
		ELEV
		1379.33
		1332.26
		1330.40

S.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	SO14(3)	13	



NET LENGTH OF CENTERLINE STA. 250+00 TO STA. 280+00 = 2,999.6 LIN. FT.

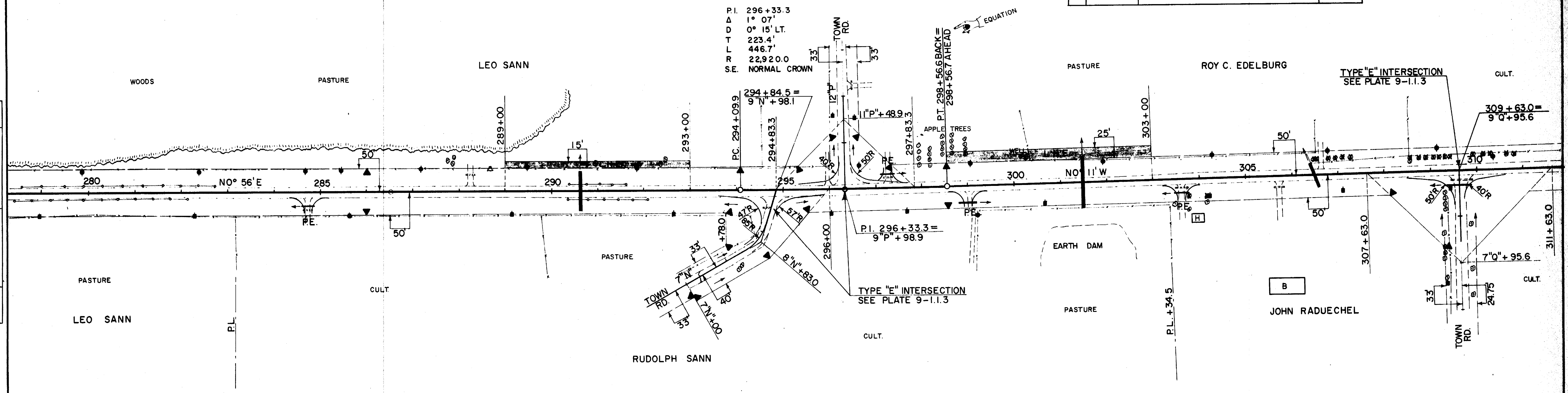


DATE 11/7/50
BY J.C.C.
CHECKED J.C.C.
REVISIONS
NO. 4702
PLAN
NOTED: 4702
BY J.C.C.

DATE 11/7/50
BY J.C.C.
CHECKED J.C.C.
REVISIONS
NO. 4702
PROFILE
NOTED: 4702
BY J.C.C.

NO.	STATION	BENCH MARKS	
		DESCRIPTION	ELEV.
31	287+88	P.K. SPIKE IN ROOT OF 15' ELM	53.5' LT. 1338.49
32	296+10	P.K. SPIKE IN POWER POLE	47' RT. 1336.41
33	309+30	P.K. SPIKE IN 30' ELM	48' RT. 1348.23

DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	SO14(3)	14	



NET LENGTH OF CENTERLINE STA. 280+00 TO STA. 310+00 = 2,999.9 LIN. FT.

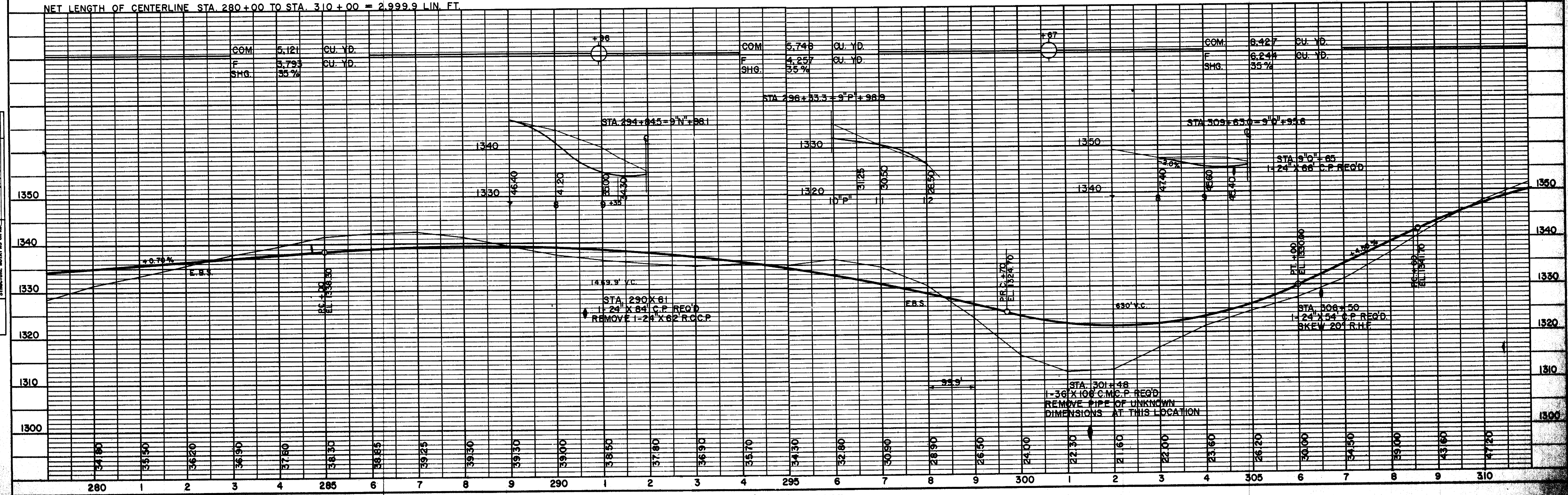


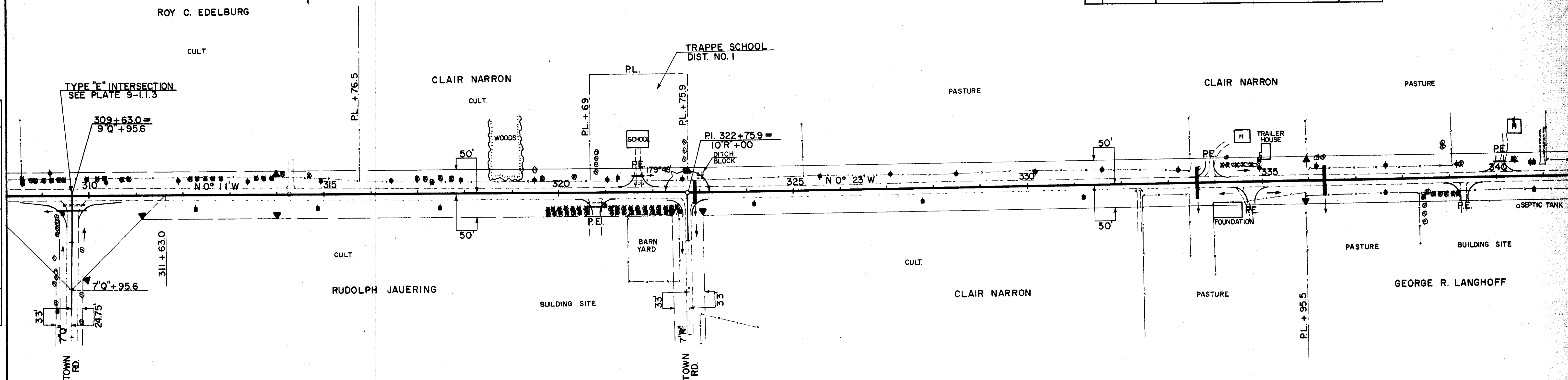
PLATE 1—PLAN—PROFILE R.P.R. STANDARD
THE FREDERICK POST CO. Chicago

DATE	11/80
BY	J.C.
IN	J.C.
PLAN	REVISIONS
NO. 4702	DATE
NO. 4702	DATE

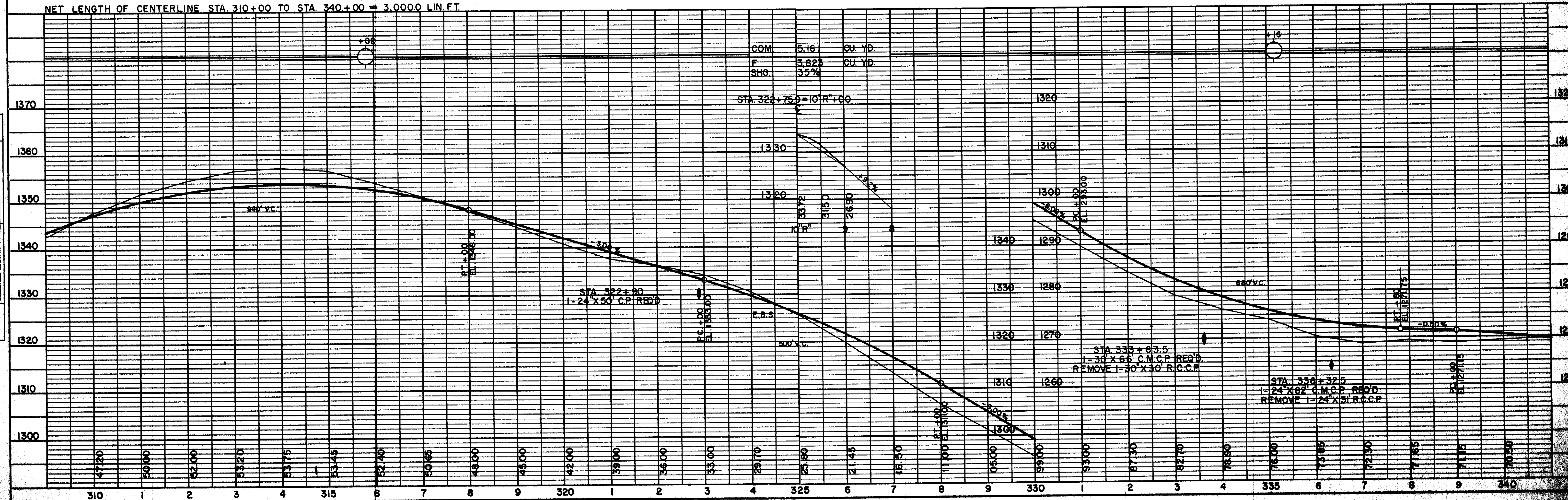
DATE	11/80
BY	J.C.
IN	J.C.
PROFILE	REVISIONS
NO. 4702	DATE
NO. 4702	DATE

NO.	STATION	BENCH MARKS DESCRIPTION	ELEV.
34	321+77	KEEL + ON N.E. COR. OF CONC. SLAB	97.1
35	336+16	SPIKE IN 24" ELM	41' LT 1270.63

S.P.R. DIVISION	PROJECT	SHEET NUMBER
4	SO14(3)	15



NET LENGTH OF CENTERLINE STA. 310+00 TO STA. 340+00 = 3,000.0 LIN. FT.

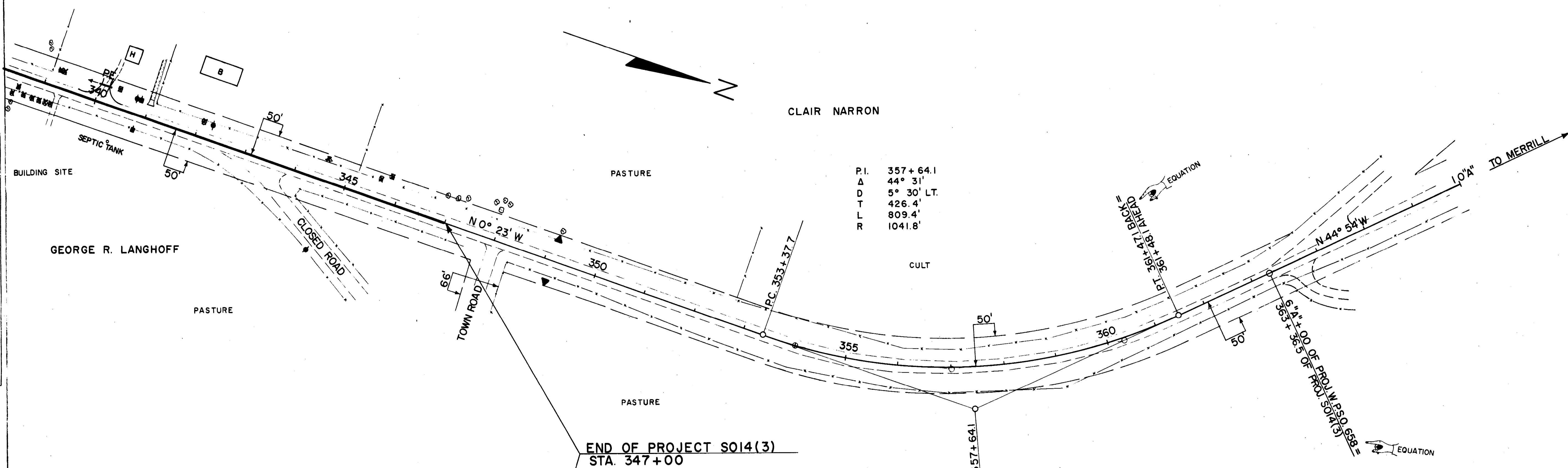


BENCH MARKS			
NO	STATION	DESCRIPTION	ELEV
36	343+23	P.K. SPIKE IN POWER POLE	57RT. 1262.32

S.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	SO14(3)	16	

DATE	BY	DATE	BY
11/50	J.C.	11/50	J.C.
2/51	J.C.	2/51	J.C.
3/51	J.C.	3/51	J.C.
3/51	J.C.	3/51	J.C.

PLAN	NO.
NOTE BOOK	4702
NO. 4702	



NET LENGTH OF CENTERLINE STA. 340+00 TO STA. 347+00 = 700.0 LIN. FT.

COM.	2.717	CU. YD.
F	2.011	CU. YD.
SHG.	35%	

DATE	BY	DATE	BY
11/50	J.C.	11/50	J.C.
2/51	J.C.	2/51	J.C.
3/51	J.C.	3/51	J.C.
3/51	J.C.	3/51	J.C.

PROFILE	NO.
NOTE BOOK	4702
NO. 4702	

