

DIST NO	STATE	PLAT	FILED	TOTAL SHEETS
14	UTAH	ER-3	WAR	14
1	UTAH	ER-3	WAR	1
9	UTAH	ER-3	WAR	9

INDEX TO SHEETS ER-3 (First Conty)

SHEET	DESCRIPTION	DWG. NO.	STA.
1	TITLE SHEET		
2-3	PLAN & PROFILE		
10	RETAINING WALLS	V-211	
11	6"x8 CONC BOX EXT.	E-103	
12-13	24" HIGHWAY SIGNS	A-22, K-2	
14-15	24" ROAD RAIL (CONC. PAVES)	K-213	

INDEX TO SHEETS ER-3 (2nd Conty)

SHEET	DESCRIPTION	DWG. NO.	STA.
1	TITLE SHEET		
2-3	PLAN & PROFILE		
10	RETAINING WALLS	V-211	
11	6"x8 CONC BOX EXT.	E-103	
12-13	24" HIGHWAY SIGNS	A-22, K-2	
14-15	24" ROAD RAIL (CONC. PAVES)	K-213	

APPROVED MARCH 1953  
STATE ROAD COMMISSION OF UTAH

APPROVED \_\_\_\_\_ DATE \_\_\_\_\_  
DIVISION ENG.

RECOMMENDED FOR APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_  
DISTRICT ENG.

BUREAU OF PUBLIC ROADS  
DEPARTMENT OF COMMERCE

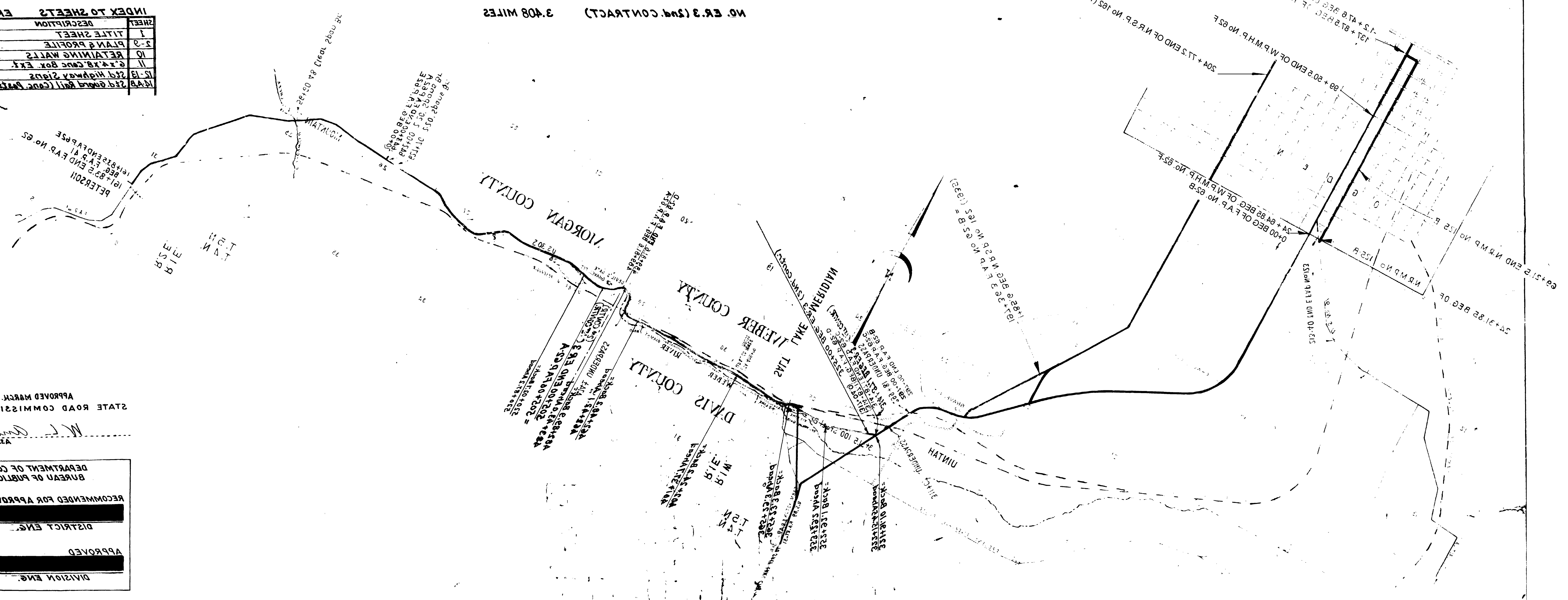
ER-3

PLAN 1" = 100'  
PROFILE 1" = 100' HOR. 1" = 10' VER.

**WEBER COUNTY**  
SEC. B. WASHINGTON AVE. — UTAH — 5.34 MILES  
SEC. C. UTAH UNDERPASS — 0.338 " "  
SEC. D. UTAH — MORGAN COUNTY — 3.58 " "

**MORGAN COUNTY**  
SEC. A. WEBER COUNTY LINE - MOUNTAIN GREEN — 5.21 MILES  
SEC. E. MOUNTAIN GREEN — PETERSON — 3.052 " "

FEDERAL AID PROJECT  
NO. ER-3 (FIRST CONTRACT) 3.528 MILES  
NO. ER-3 (2ND CONTRACT) 3.408 MILES



ER-3

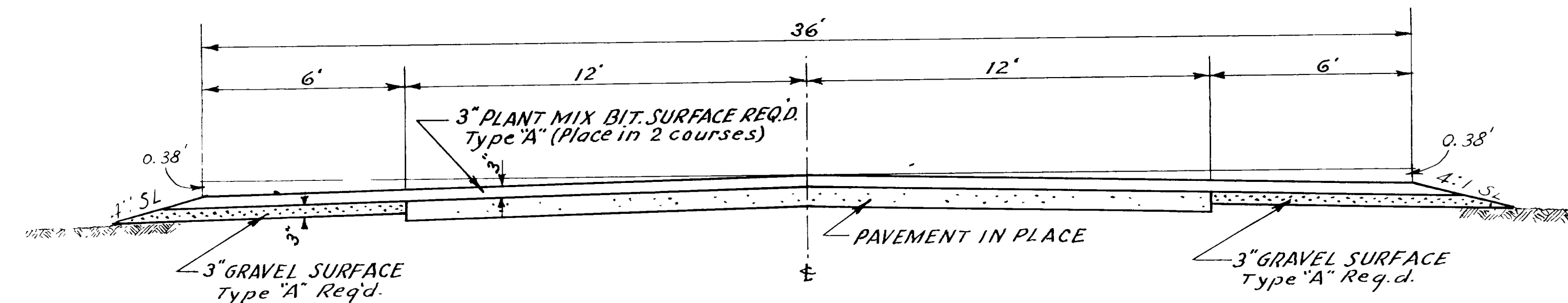




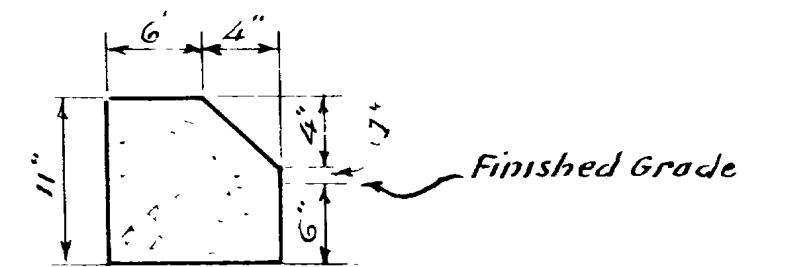
# TYPICAL CROSS SECTION

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UTAH	UTAH	ER-2	POST WAR	2	8

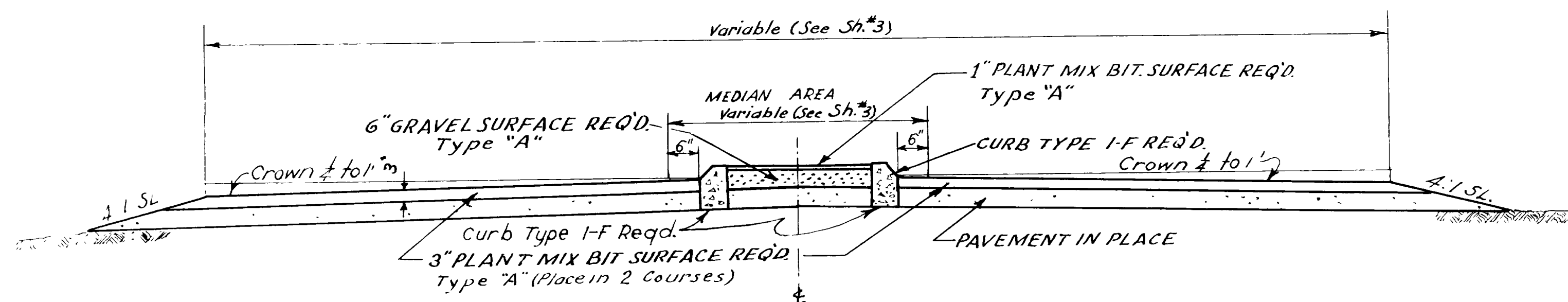
BIT MATERIAL  
 Type 85-100 Penetration Req'd. in Mix  
 " MC-1 or MC-2 Req'd. for Prime Coat  
 " R-1 Req'd. for Seal Coat



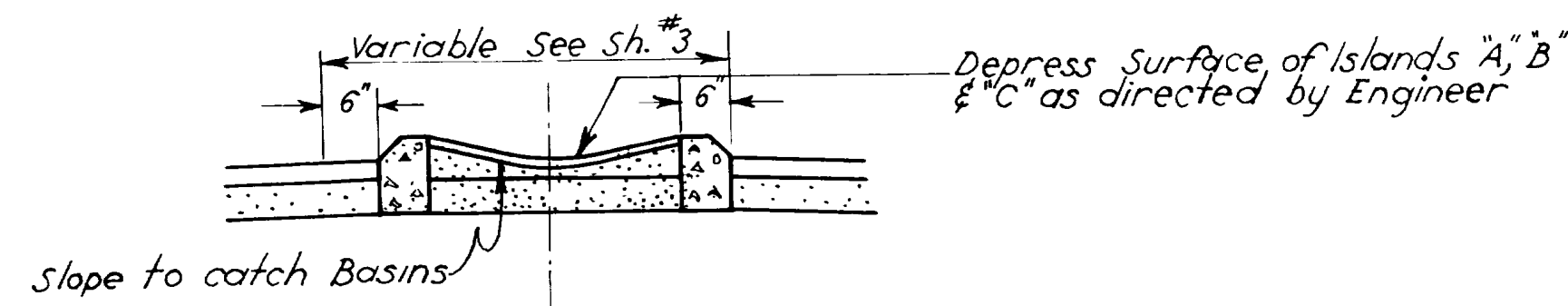
STA. 472+68 TO 484+80  
 STA. 311+05 TO 315+10



CURB TYPE 1-F



STA. 315+10 TO {319+99.0 BK. EQ. TO 484+80  
 {490+35.6 AH. EQ. TO 484+80  
 STA. 319+99 TO 323+30



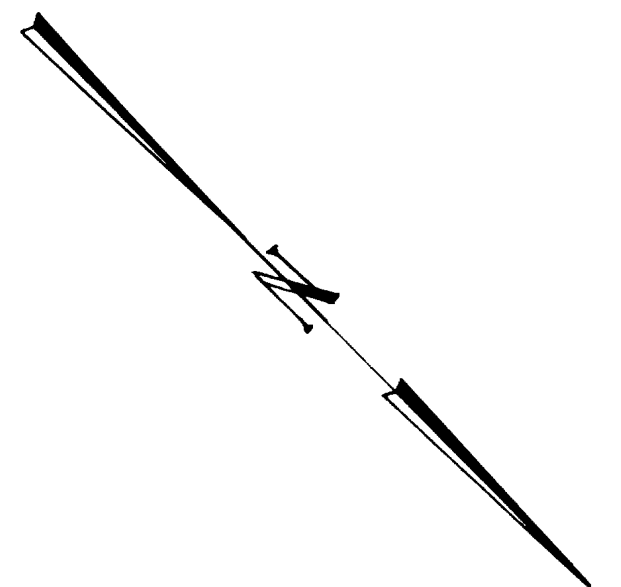
MEDIAN AREA FOR:  
 ISLANDS 'A', 'B' & 'C' (See Sh. #3)

UTAH STATE ROAD COMMISSION  
 SALT LAKE CITY, UTAH  
 W.L. ANDERSON, ASST. CHIEF ENGINEER

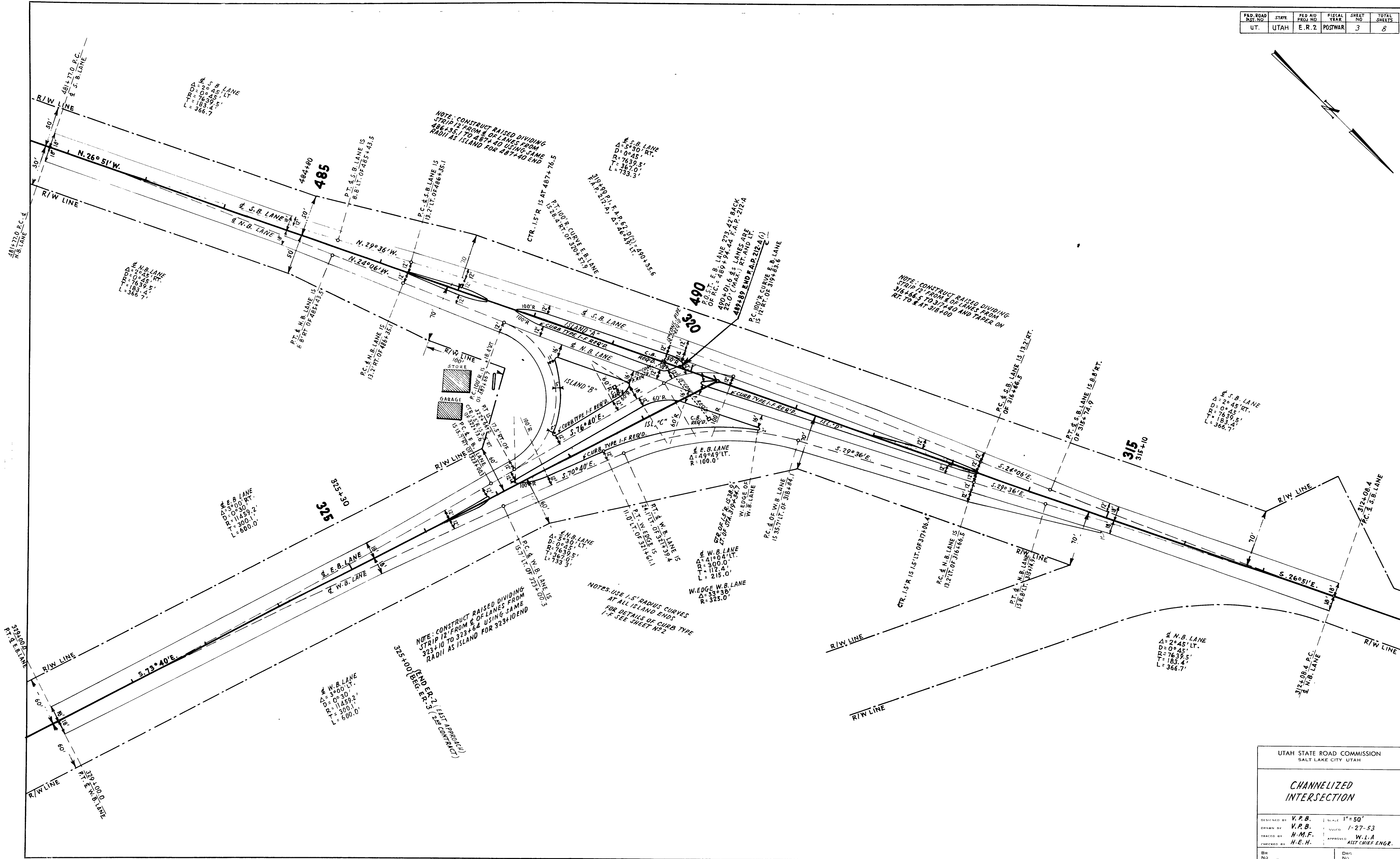
PLANT MIX BIT.  
 SURFACED ROADWAY

REVISIONS  
 DATE BY

FED. ROAD DIST. NO.	STATE	FED AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
UT.	UTAH	E. R. 2	POSTWAR	3	8



REVISIONS  
DATE BY



UTAH STATE ROAD COMMISSION  
SALT LAKE CITY, UTAH

**CHANNELIZED INTERSECTION**

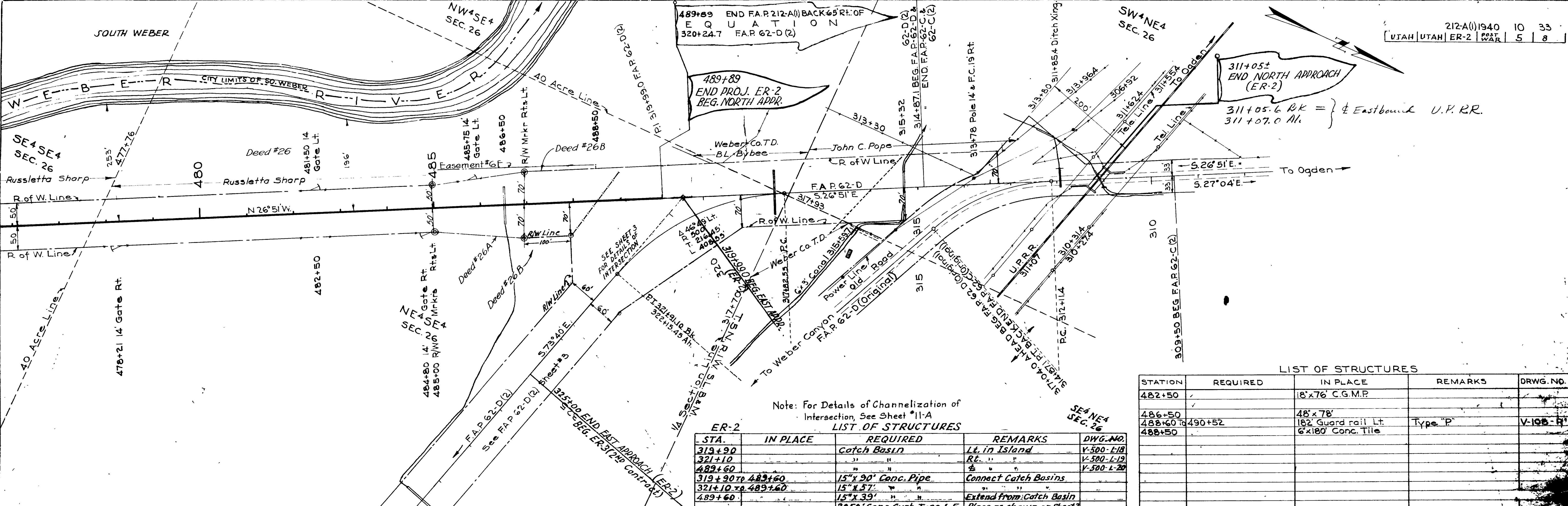
DESIGNED BY V.P.B. | SCALE 1"=50'  
DRAWN BY V.P.B. | DATED 1-27-53  
TRACKED BY H.M.F. | APPROVED W.L.A.  
CHECKED BY H.E.H. | ASST. CHIEF ENGR.

BR NO. \_\_\_\_\_ | DRG NO. \_\_\_\_\_



DATE: 12-15-33  
 BY: C.W. FORRESTER  
 PLAN: SURVEYED, PLOTTED, CHECKED, REVISIONS  
 NOTE BOOK NO. 3316

DATE: 12-15-33  
 BY: C.W. FORRESTER  
 PROFILE: SURVEYED, PLOTTED, CHECKED, REVISIONS  
 NOTE BOOK NO. 3317



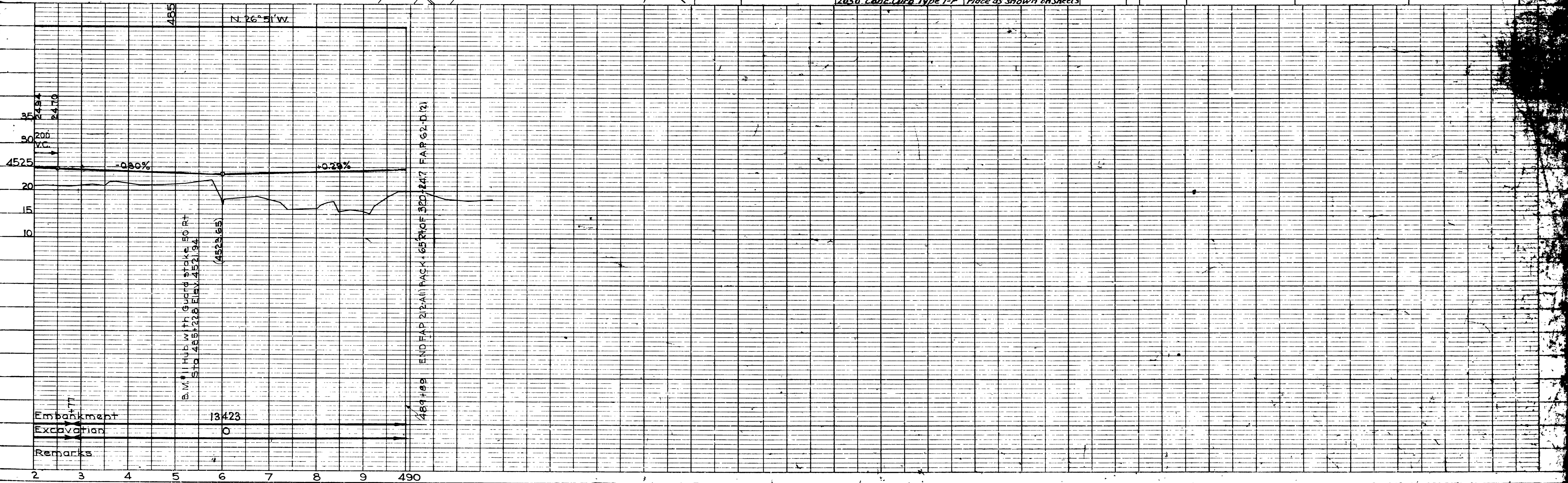
Note: For Details of Channelization of Intersection, See Sheet #11-A

ER-2 LIST OF STRUCTURES

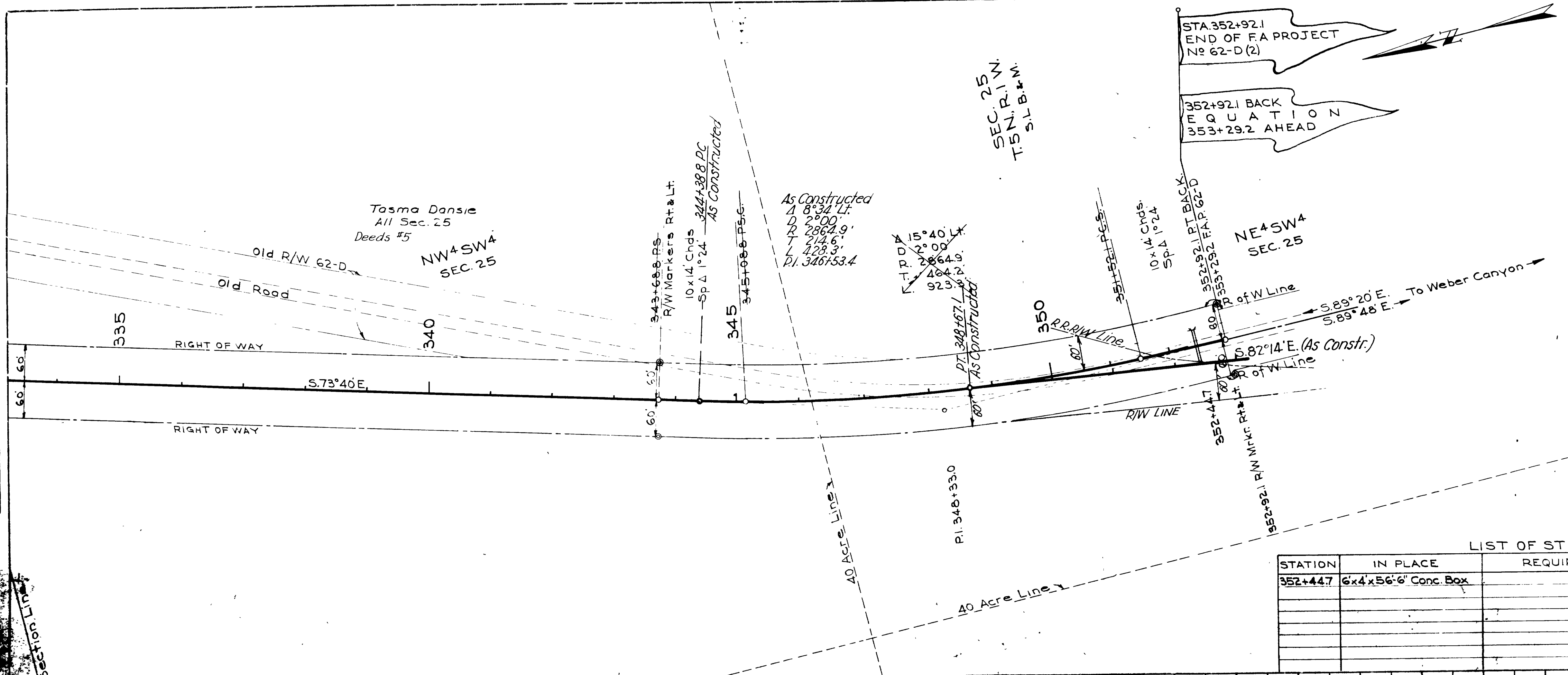
STA.	IN PLACE	REQUIRED	REMARKS	DWG. NO.
319+90		Catch Basin	Lt. in Island	V-500-L18
321+10		"	Rt. " "	V-500-L19
489+60		"	" " "	V-500-L-20
319+90 to 489+60		15" x 90" Conc. Pipe	Connect Catch Basins	
321+10 to 489+60		15" x 57"	" " "	
489+60		15" x 39"	Extend from Catch Basin	
		2650' Conc. Curb Type 1-F	Place as shown on Sheet 3	

LIST OF STRUCTURES

STATION	REQUIRED	IN PLACE	REMARKS	DRWG. NO.
482+50		18' x 76' C.G.M.P.		
486+50		48' x 78'		
488+60 to 490+52		182 Guard rail Lt.	Type "P"	V-105-B
488+50		6' x 180' Conc. Tile		

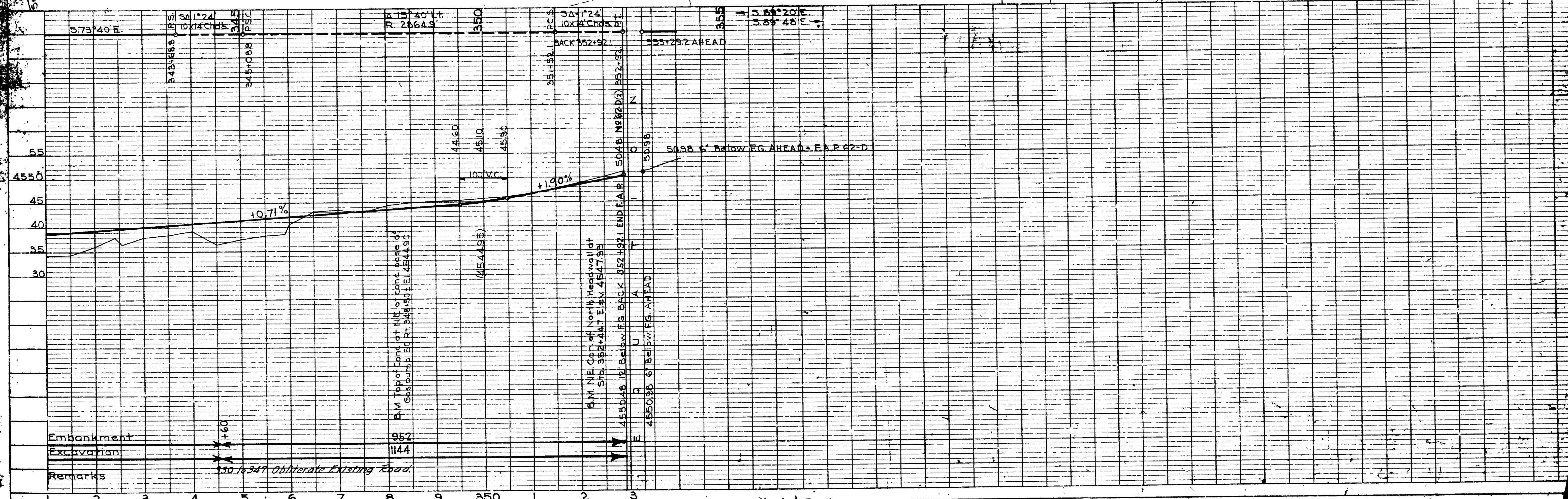


PLAN  
 DRAWN BY C.R. KIMBALL  
 CHECKED BY H.S. WRIGHT  
 DATE 1939  
 NOTE BOOK FOR USE IN FIELD  
 NO. 1144  
 STRUCTURE NO. 1144



LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS	DRWG NO.
352+447	6'x4'x56'6" Conc. Box			E-332-9 E-386



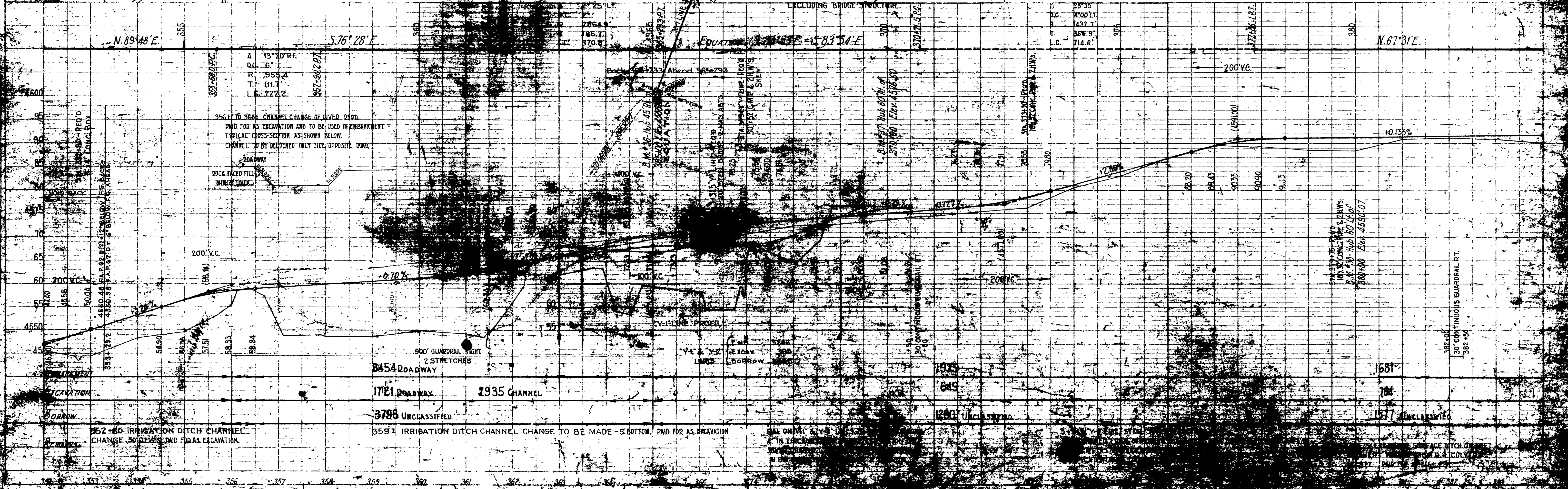
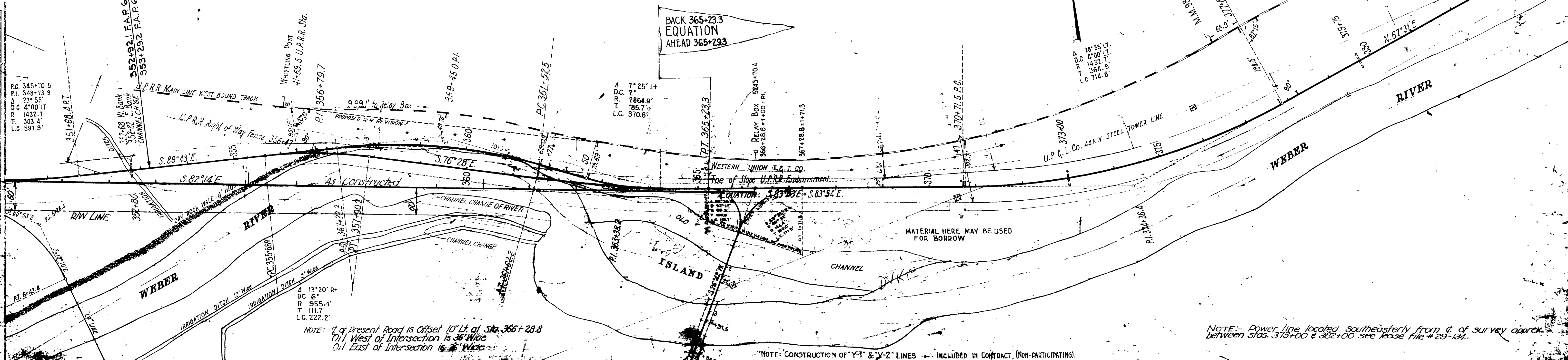


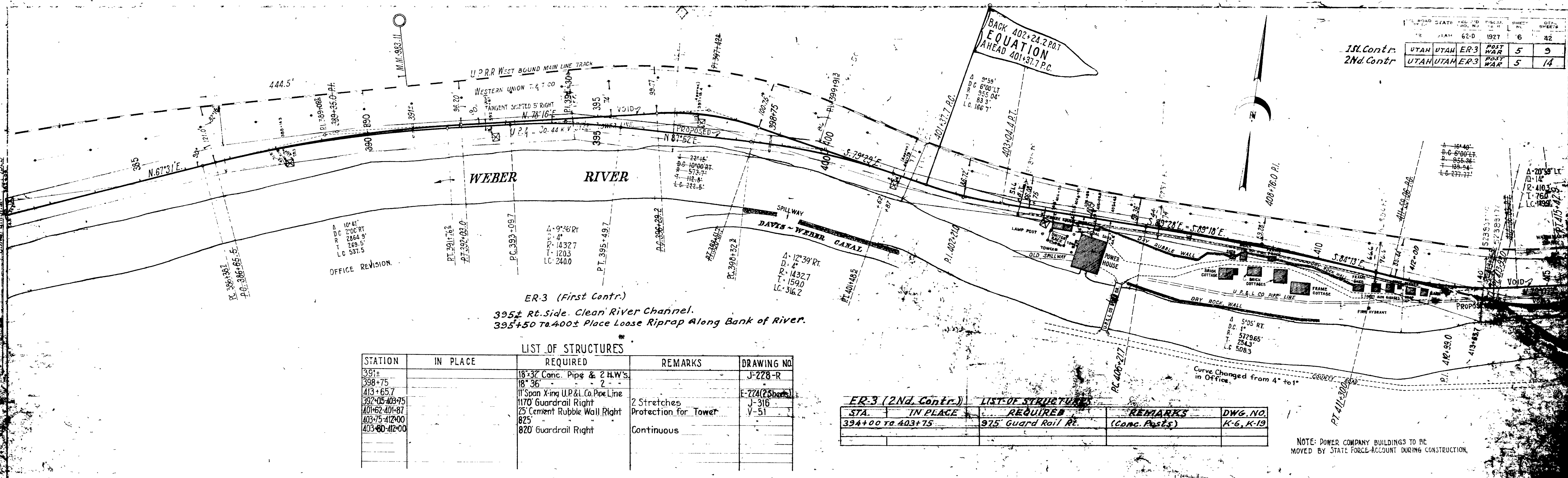
ER-3 (2nd Contr.)		LIST OF STRUCTURES	
STA.	IN PLACE	REQUIRED	REMARKS
375+00	378+00	300' Guard Rail R+	(conc. Posts)
			DWG. NO. K-6, K-19

STATION	IN PLACE	REQUIRED	REMARKS	DRAWING NO.
373+00		18x32 Conc. Pipe & 2 HW's		J-228-R
379+75		900 Guardrail right	2 Stretches	J-316
356+00-365+00		30'		
370+50-370+80		6'x4' Conc. Box		E-167-L-2
387+00-387+30		100' Steel Span Bridge-R-Mas Abts.	See Note	M-164
357+80		30' x 52' C.M.P. & 2 H.W's-Skew	For Y-1 & Y-2 Lines	J-228-R
3+31.5 Y-Line		150' Guardrail		J-316
3+94.7 Y-Line				

1st Contr.	2nd Contr.	UTAH	UTAH	ER-3	PAST WAR	POST WAR	5	42
							4	9
							4	14

FOR CORRECT INFORMATION SEE FAP 62-D(2)





ER-3 (First Contr.)  
 395± Rt. Side Clean River Channel.  
 395±50 to 400± Place Loose Riprap Along Bank of River.

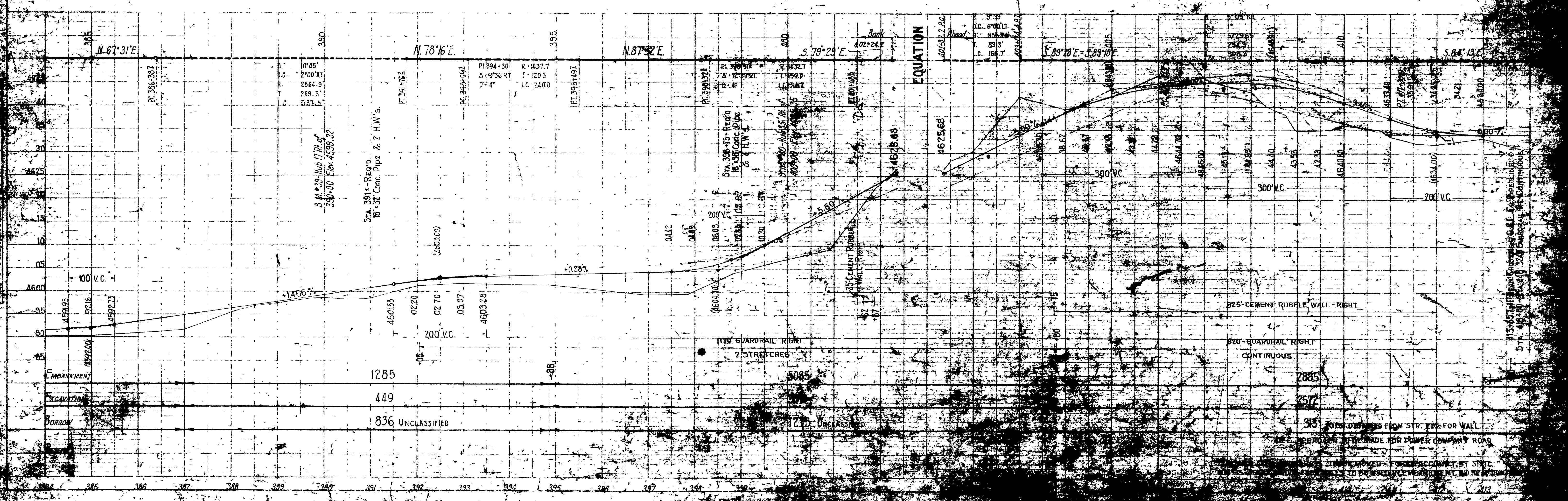
LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS	DRAWING NO.
391±		18" x 32" Conc. Pipe & 2 H.W.'s		J-228-R
398+75		18" x 36" "		
413+65.7		11" Span Xing U.P.R. & I. Co. Pipe Line		E-274 (25 Sheets)
392+05-403+75		1170' Guardrail Right	2 Stretches	J-316
401+62-401+87		25' Cement Rubble Wall Right	Protection for Tower	V-51
403+75-412+00		825'		
403+60-412+00		820' Guardrail Right	Continuous	

ER-3 (2nd. Contr.) LIST OF STRUCTURES

STA.	IN PLACE	REQUIRED	REMARKS	DWG. NO.
394+00 to 403+75		975' Guard Rail Rt.	(Conc. Posts)	K-6, K-19

NOTE: POWER COMPANY BUILDINGS TO BE MOVED BY STATE FORCE-ACCOUNT DURING CONSTRUCTION.

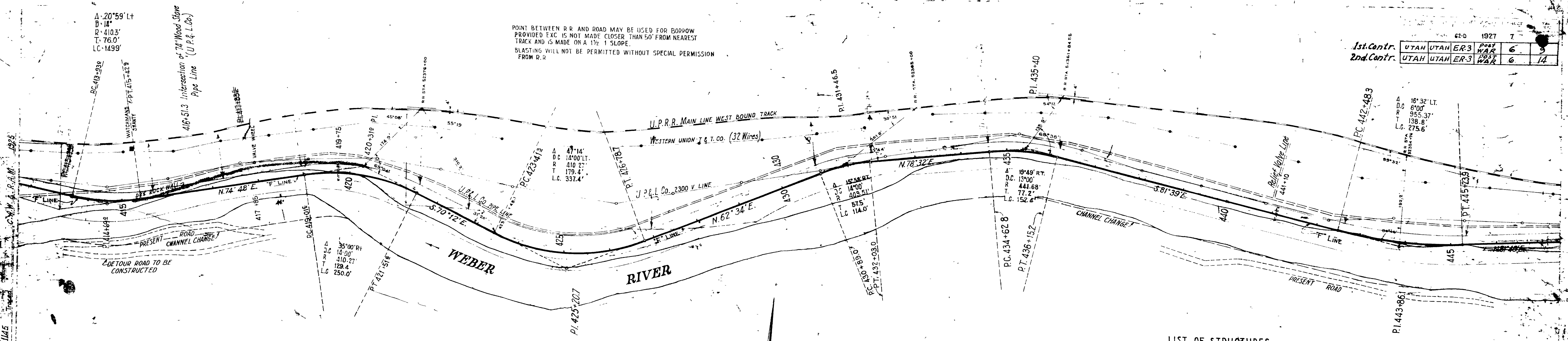


315± RIGHT POST PROVISIONS Q.E.L. & P.B.E. LINE TO STA. 410+60 TO 410+37.7 GUARDRAIL - CONTINUOUS

315± RIGHT POST PROVISIONS Q.E.L. & P.B.E. LINE TO STA. 410+60 TO 410+37.7 GUARDRAIL - CONTINUOUS

315± RIGHT POST PROVISIONS Q.E.L. & P.B.E. LINE TO STA. 410+60 TO 410+37.7 GUARDRAIL - CONTINUOUS

POINT BETWEEN R.R. AND ROAD MAY BE USED FOR BORROW PROVIDED E.C. IS NOT MADE CLOSER THAN 50' FROM NEAREST TRACK AND IS MADE ON A 1 1/2:1 SLOPE. BLASTING WILL NOT BE PERMITTED WITHOUT SPECIAL PERMISSION FROM R.R.



NOTE: STA. 412 - STA. 455 - PROPOSED RELOCATION OF UP WEST BOUND MAIN LINE MORE OR LESS TO SOUTH OF EXISTING TRACK NECESSITATING RELOCATION OF HIGHWAY TO SOUTH TO CLEAR EMBANKMENT SLOPES.

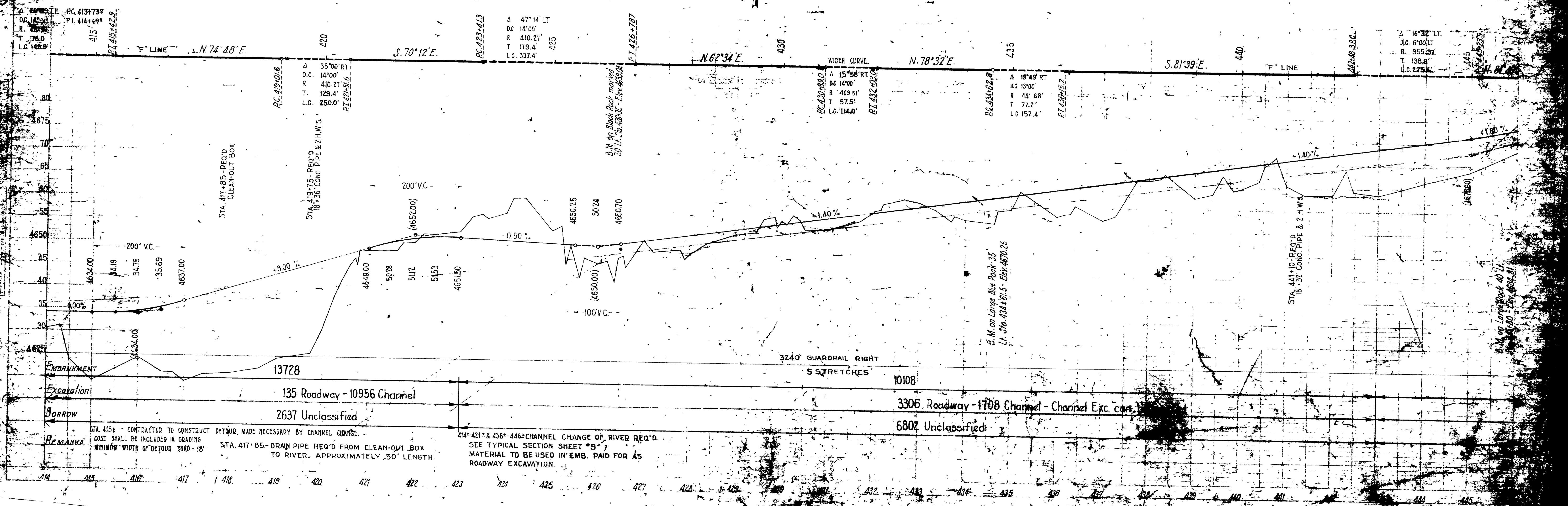
**ER-3 (2nd Contr.) LIST OF STRUCTURES**

STA.	IN PLACE	REQUIRED	REMARKS	DWG. NO.
416+70	428+20	1150' Guard Rail R.E.	Conc. Posts	K-6, K-19
441+00	453+70	1870' "	"	"
441+10	18" x 32" Conc. Pipe 2 HWS	18" x 4' Conc. Pipe	Extend 4' R.E. Remove Hw.	K-6, K-19

**ER-3 (First Contr.)**  
 417± to 423 Clean River Channel & Riprap Bank  
 426+70 to 428+20 Riprap River Bank.  
 430± to 457± Provide Riprap where necessary. (Approx. 600 Lin. Ft. Req'd.)

**LIST OF STRUCTURES**

STATION	IN PLACE	REQUIRED	REMARKS	DRAWING NO.
419+75		18" x 36" Conc. Pipe & 2 H.W.s.		J-228-R
441+10		18" x 32" "		"
413+60-446		3240' Guardrail Right	5 Stretches	J-316
417+85		Clean-out Box	50' of 6" Drain Pipe	J-337



REMARKS: STA. 415 - CONTRACTOR TO CONSTRUCT DETOUR, MADE NECESSARY BY CHANNEL CHANGE. COST SHALL BE INCLUDED IN GRADING. MINIMUM WIDTH OF DETOUR ROAD - 18'

414-421 & 436-446: CHANNEL CHANGE OF RIVER REQ'D. SEE TYPICAL SECTION SHEET #3. MATERIAL TO BE USED IN EMB. PAID FOR AS ROADWAY EXCAVATION.



UT	UTAH	ER-3	POST WAR	7	14
UT	UTAH	ER-3	POST WAR	7	14

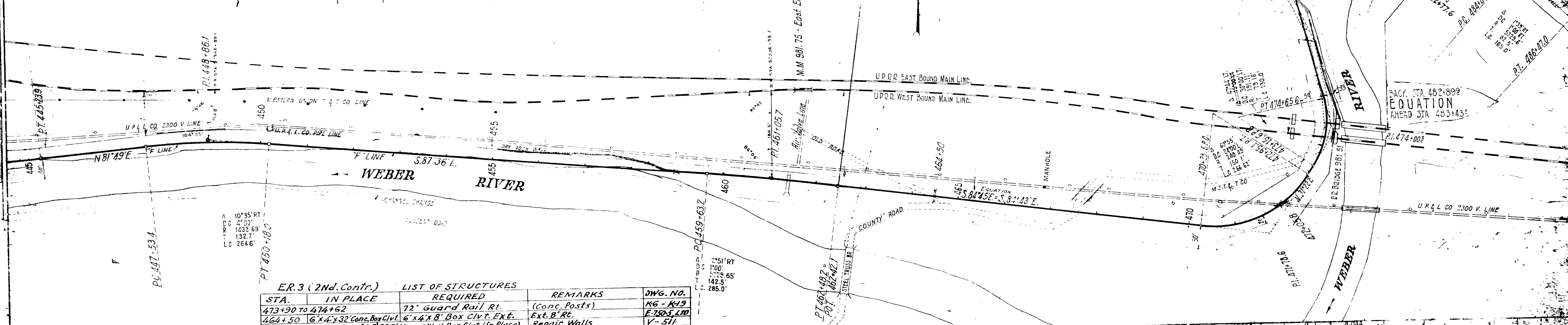
STATION	IN PLACE	REQUIRED	REMARKS	DRAWING NO.
464+50		11' x 25' 8" Conc. Box	Requires special field study	E-167-L-1
472+05.8		11' Span Conc. Bridge	Over pipe line	F-219
475+160		1400' Guardrail Right	2 Stretches	J-316
470+30-473+70		3' x 36" Conc. Pipe & CH.W.		J-228-D

ER-3 (FIRST) CONTRACT  
 482+95 to 488+20 Construct protection for existing conc. wall.  
 475+50 to 483+60 Clean channel.

ER-3 (SECOND CONTRACT)  
 From R.R. Pier to Sta. 476+24.8 and Sta. 483+1  
 500 C.Y. Unclassified Roadway Exc. Place 3" Plant Mix Bit Surface Type "A" (in 2-Courses) Also Place 3" Gravel Surface Type "A"

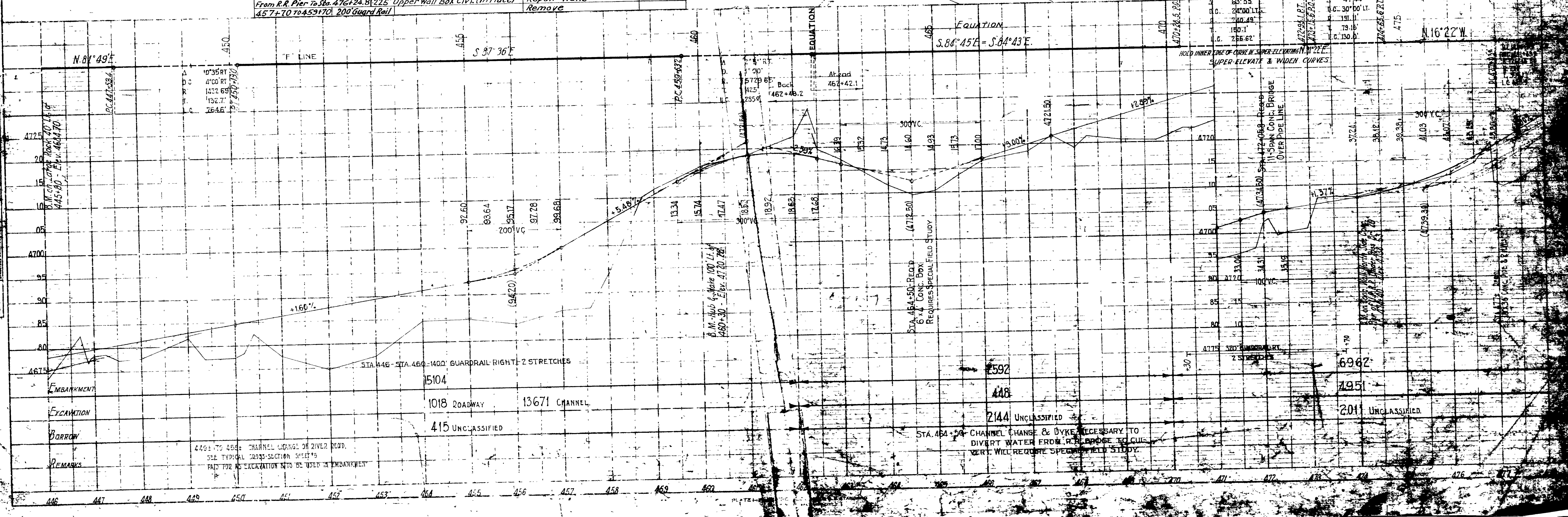
BACK 462+48.2  
 EQUATION  
 AHEAD 462+42.1

PLANNED BY: [illegible]  
 DRAWN BY: [illegible]  
 CHECKED BY: [illegible]  
 DATE: [illegible]



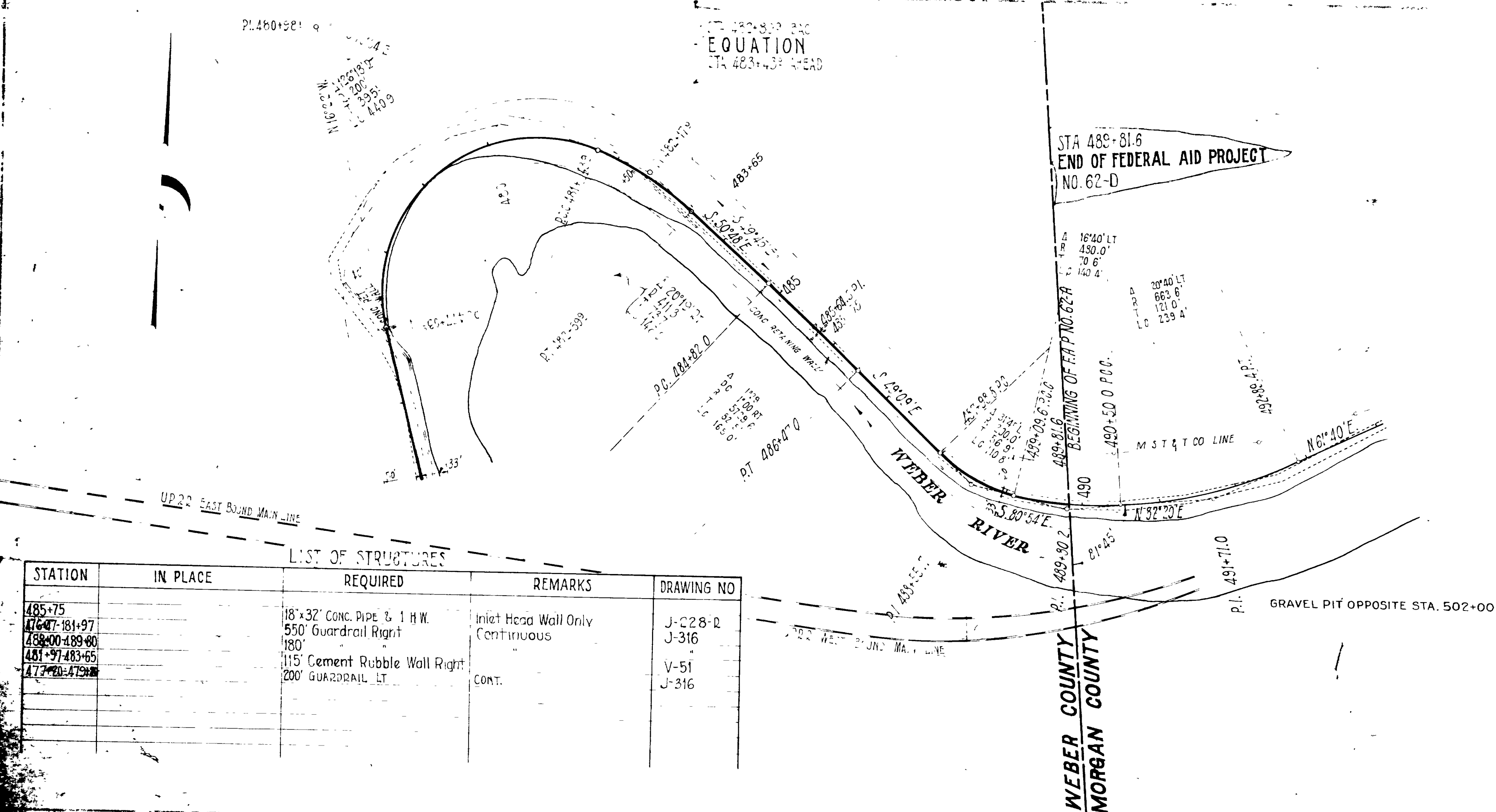
STA.	IN PLACE	REQUIRED	REMARKS	DWG. NO.
473+90 to 474+62		72' Guard Rail Rt.	(Conc. Posts)	K6-K19
464+50	6' x 4' x 32" Conc. Box Cvt.	6' x 4' x 8" Box Cvt. Ext.	Ext. B' Re.	E-750-S-LTD
From R.R. Pier to Sta. 476+24.8	225' Upper Wall Box Cvt.	(In Place)	Repair Walls	V-511
457+70 to 459+70	200' Guard Rail		Remove	

PROFILE  
 DRAWN BY: [illegible]  
 CHECKED BY: [illegible]  
 DATE: [illegible]



ER-3 (1st Contr.)  
ER-3 (2ND Contr.)

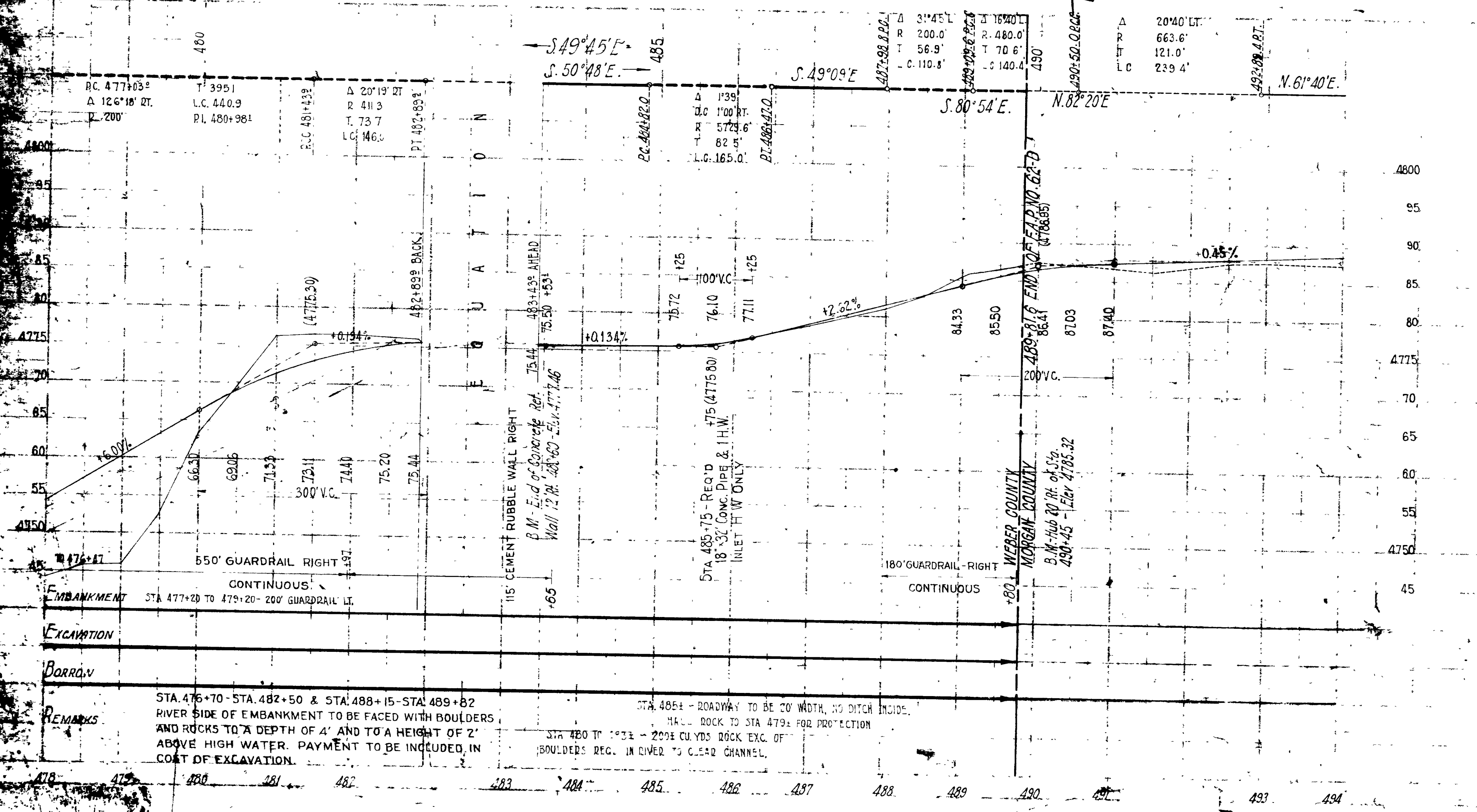
UT.	UTAH	ER-3	POST	9	42
UT.	UTAH	ER-3	VAR	8	9
UT.	UTAH	ER-3	VAR	8	14



STATION	IN PLACE	REQUIRED	REMARKS	DRAWING NO.
485+75		18" x 32" CONC. PIPE & I.H.W.	Inlet Head Wall Only	J-228-R
476+07-481+97		550' Guardrail Right	Continuous	J-316
488+00-489+00		180'		
481+97-483+65		115' Cement Rubble Wall Right	CONT.	V-51
477+20-479+00		200' GUARDRAIL LT.		J-316

ER-3 (2Nd Contr.) LIST OF STRUCTURES

STA.	IN PLACE	REQUIRED	REMARKS	DWG. NO.
483+ to 485+	216' Upper Wall Box Clvt.		Repair Walls	V-511
481+00-483+50		250' Guard Rail Rt.	Cons. Posts	K-6, K-12



**REMARKS**

STA. 476+70 - STA. 482+50 & STA. 488+15 - STA. 489+82 RIVER SIDE OF EMBANKMENT TO BE FACED WITH BOULDERS AND ROCKS TO A DEPTH OF 4' AND TO A HEIGHT OF 2' ABOVE HIGH WATER. PAYMENT TO BE INCLUDED IN COST OF EXCAVATION.

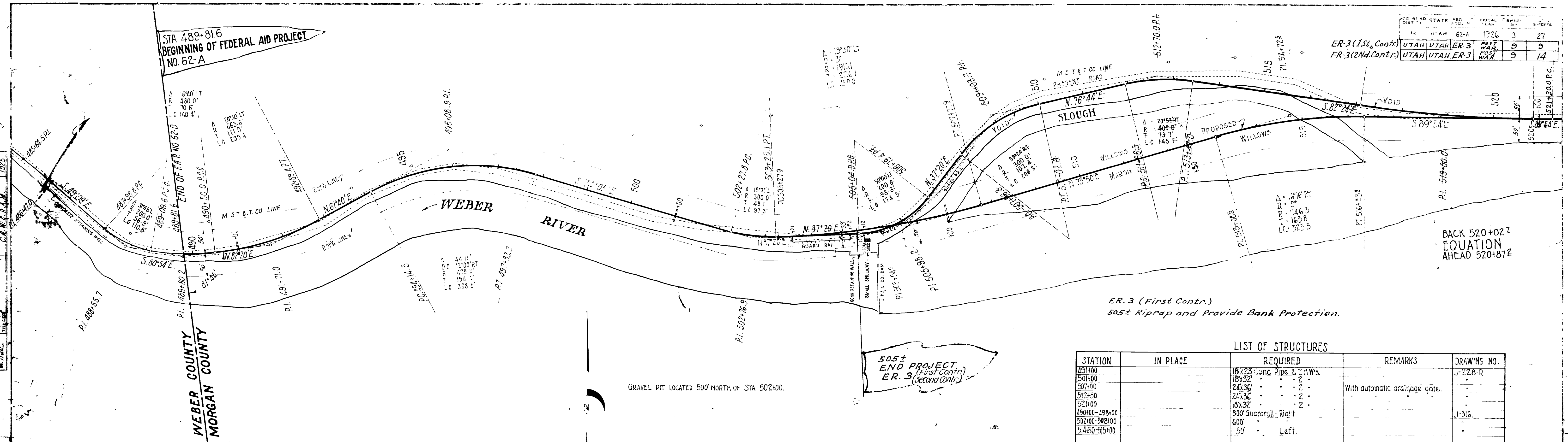
STA. 485+4 - ROADWAY TO BE 20' WIDE, NO DITCH INSIDE.

STA. 480 TO 482 - 2000 CU YDS ROCK EXC. OF BOULDERS REQ. IN DIVER TO CLEAR CHANNEL.

PLAN  
 DATE: 11/22/55  
 DRAWN BY: C.A. WEST  
 CHECKED BY: C.A. WEST  
 PROJECT NO. 62-A

PROFILE  
 DATE: 11/22/55  
 DRAWN BY: C.A. WEST  
 CHECKED BY: C.A. WEST  
 PROJECT NO. 62-A

UTAH	UTAH	ER-3	3	27
UTAH	UTAH	ER-3	9	14



NOTE: PROJECT TO BE TYPE 'A' GRAVEL SURFACE

GRAVEL PIT LOCATED 500' NORTH OF STA 502+00.

505'± END PROJECT (First Contr.) ER-3 (Second Contr.)

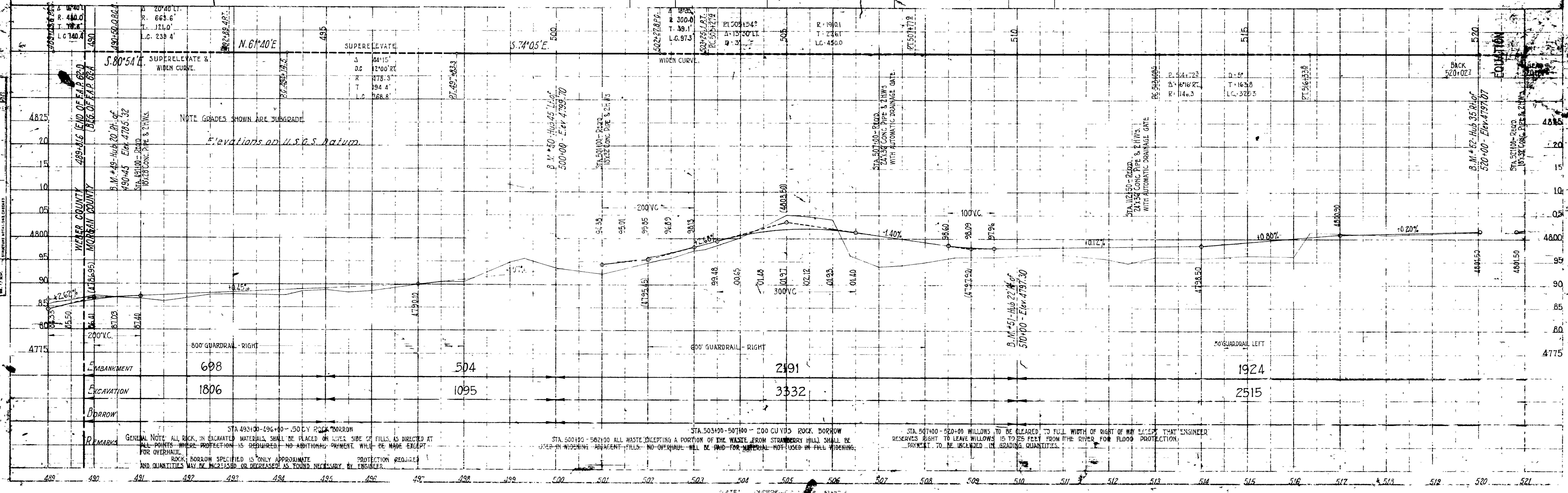
ER-3 (First Contr.)  
505'± Riprap and Provide Bank Protection.

LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS	DRAWING NO.
491+00		18x25 Conc. Pipe 2-1 Ws.		J-228-R
501+00		18x32 "		
507+00		24x36 "	With automatic drainage gate.	
512+50		24x36 "		
521+00		18x32 "		
490+00-498+00		800' Guardrail - Right		J-316
502+00-508+00		600' "		
514+50-515+00		50' Left.		

ER-3 (2Nd. Contr.) LIST OF STRUCTURES

STA.	IN PLACE	REQUIRED	REMARKS	DWG. NO.
507+00	24"x36" Conc. Pipe 2 Hws	24"x18" Conc. Pipe	Ext. 6' R/L 12' L. Remove Hws.	
512+50	24"x36" "	24"x18" "	Ext. 6' R/L 12' L.	
521+00	18"x32" "	18"x6" "	Ext. 6' L.	Hw.



NOTE GRADES SHOWN ARE SUBGRADE  
Elevations on U.S.G.S. datum

STA 493+00-496+00 - 500 CY ROCK BORROW  
 GENERAL NOTE: ALL ROCK IN EXCAVATED MATERIALS SHALL BE PLACED ON LOWER SIDE OF FILLS AS DIRECTED AT ALL POINTS WHERE PROTECTION IS REQUIRED - NO ADDITIONAL PAYMENT WILL BE MADE EXCEPT FOR OVERHAUL.  
 ROCK BORROW SPECIFIED IS ONLY APPROXIMATE PROTECTION REQUIRED AND QUANTITIES MAY BE INCREASED OR DECREASED AS FOUND NECESSARY BY ENGINEER.

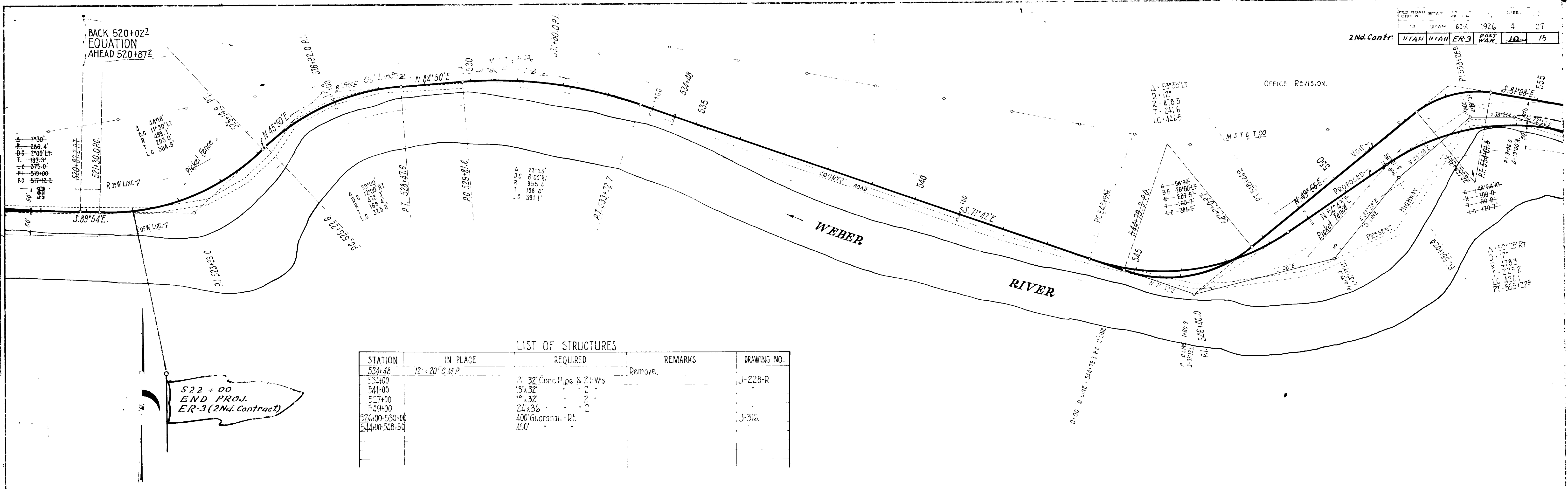
STA 500+00-502+00 ALL WASTE (EXCEPTING A PORTION OF THE WASTE FROM STRAWBERRY HILL) SHALL BE USED IN WIDENING ADJACENT FILLS - NO OVERHAUL WILL BE PAID FOR MATERIAL NOT USED IN FILL WIDENING.

STA 503+00-507+00 - 200 CU YDS ROCK BORROW

STA 507+00-520+00 WILLOWS TO BE CLEARED TO FULL WIDTH OF RIGHT OF WAY EXCEPT THAT ENGINEER RESERVES RIGHT TO LEAVE WILLOWS 15 TO 25 FEET FROM THE RIVER FOR FLOOD PROTECTION. PAYMENT TO BE INCLUDED IN BIDDING QUANTITIES.

DATE 1925  
 SURVEYED Wm. D. Brown  
 PLOTTED C. A. Masl  
 FILE NO. 1122

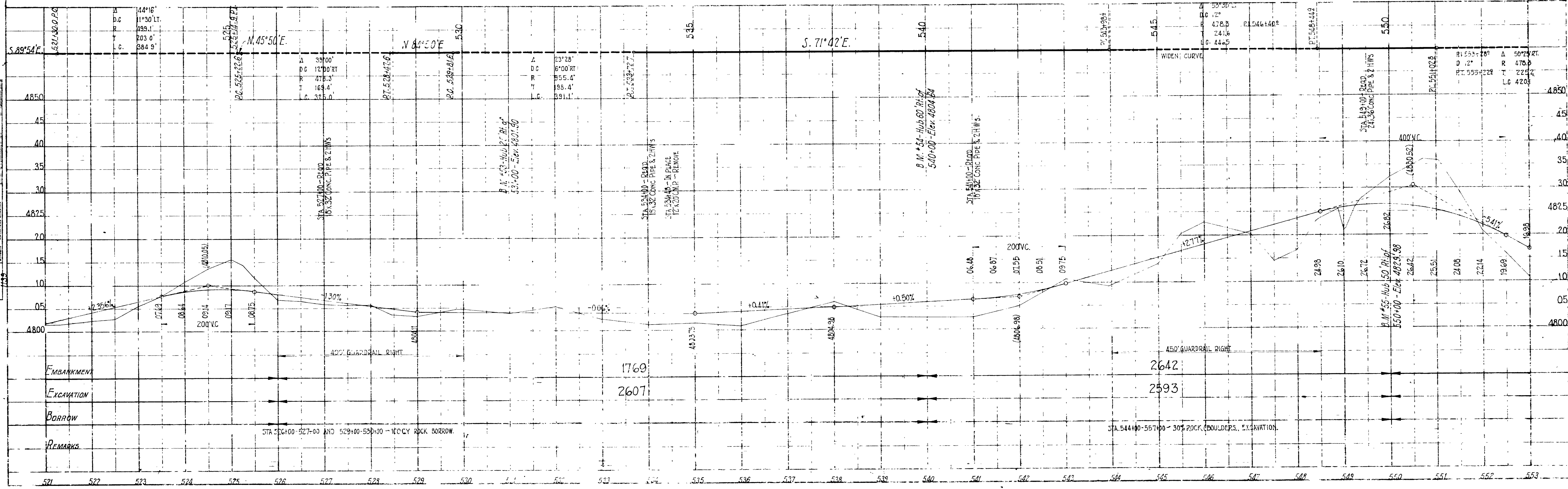
DATE 1922  
 SURVEYED Wm. D. Brown  
 PLOTTED C. A. Masl  
 FILE NO. 1122



522 + 00  
 END PROJ.  
 ER-3 (2nd. Contract)

LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS	DRAWING NO.
534+48	12" x 20" C.M.P.		Remove.	
531+00		12" x 20" C.M.P.		J-228-R
541+00		12" x 32" Conc. Pipe & 2 HWS		
527+00		12" x 32" Conc. Pipe & 2 HWS		
529+00		24" x 36" Conc. Pipe & 2 HWS		
526+00-530+00		400' Guardrail Rt.		J-316
544+00-548+50		450'		



STA 526+00-527+00 AND 529+00-530+00 - ROCK BORROW.

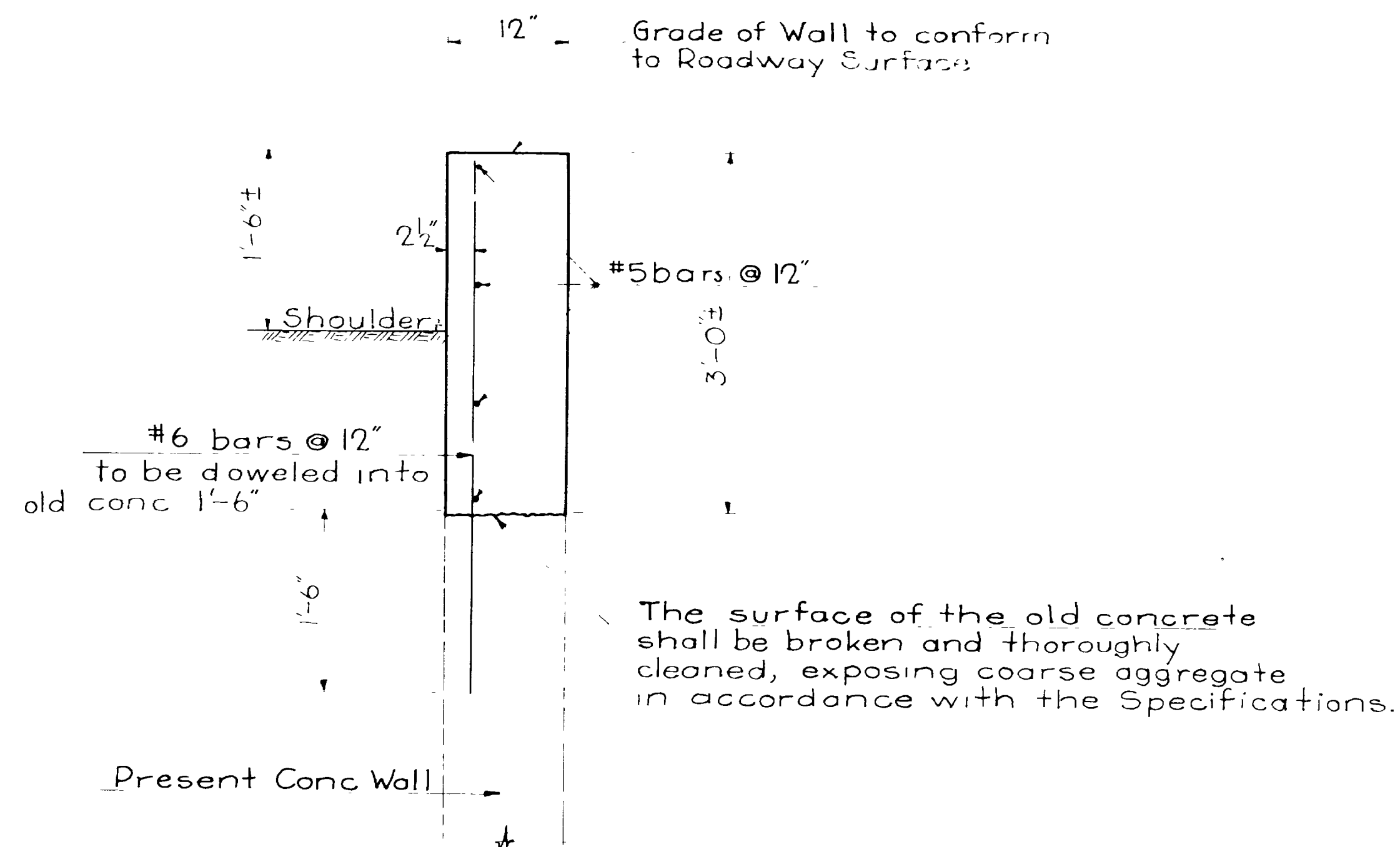
STA 544+00-557+00 - 30% ROCK BOULDERS, EXCAVATION.



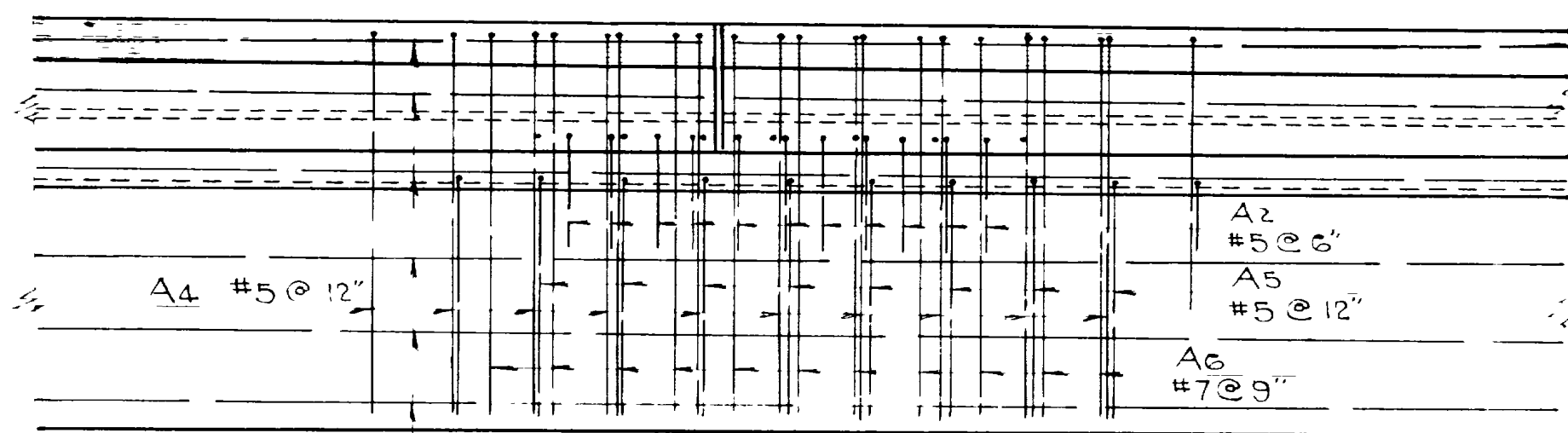




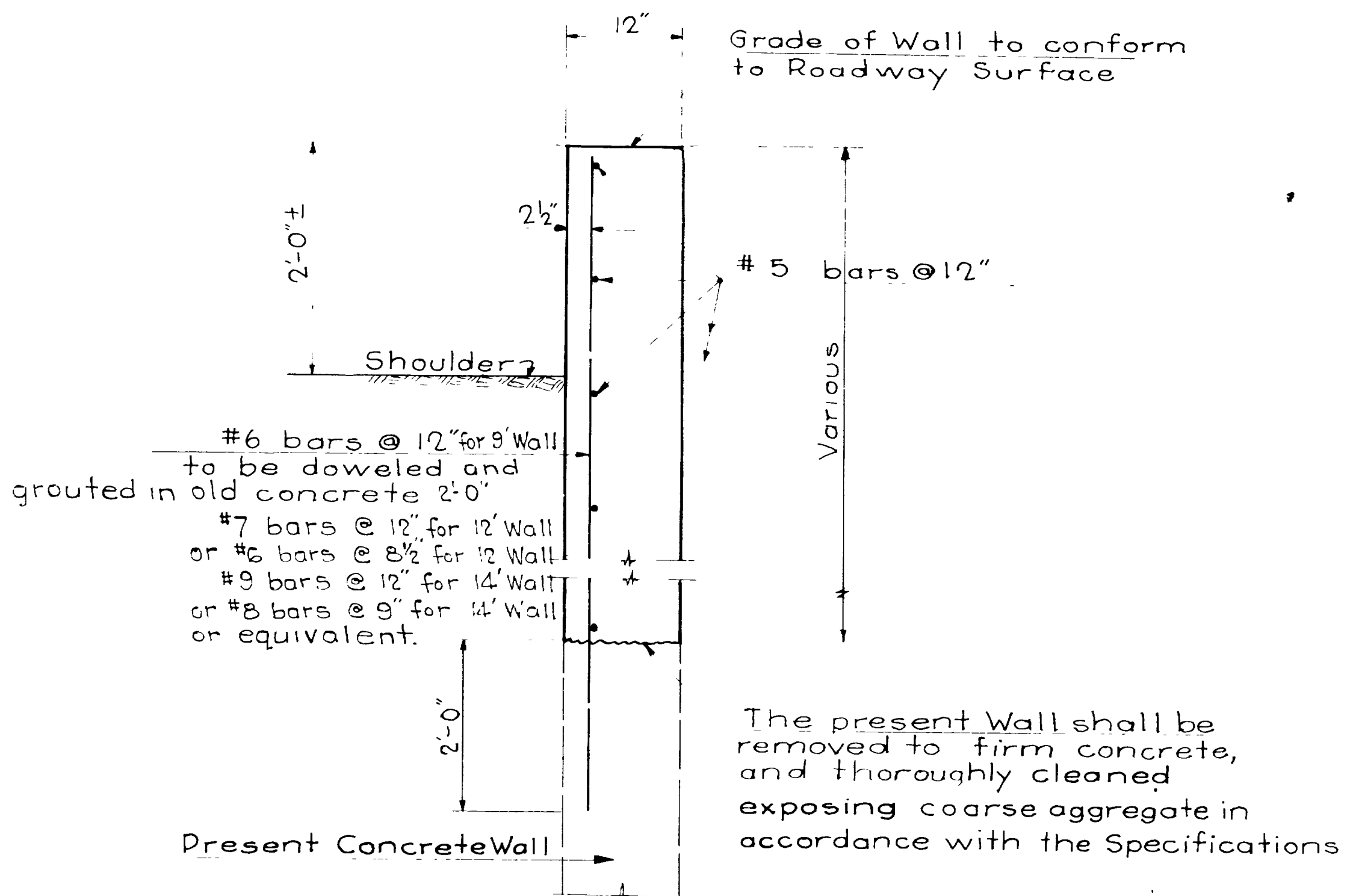
REVISIONS	BY	DATE
1	W.W.L.	12-25-51
2	W.W.L.	1-15-52
3	W.W.L.	2-15-52



**RETAINING WALL FROM RAILROAD  
PIER TO STATION 476+24.8±**  
(Approx. length = 225')



**PLAN**



**NOTE:**  
Removing concrete Walls to be paid for as Excavation for Structures (Unclass)

**RETAINING WALL REPAIRS  
STA. 483± To 485±**  
(Approx length = 216')

Alternate Wall

**BAR BENDING DIAGRAMS**

MARK	SIZE	LGTH	SKETCH
A1	#5	4'-9"	
A2	#5	7'-0"	
A3	#5	4'-6"	
A4	#5	10'-4"	
A5	#5	3'-10"	
A6	#7	6'-2"	
A7	#5	To Suit	
A8	#7	To Suit	

**GENERAL NOTES**  
Materials, construction and workmanship shall be in accordance with the State Standard Specifications for Road and Bridge Construction, 1952 Edition and supplements thereto which are in effect at the date of request for bids.

All reinforcing steel shall be Intermediate Grade Standard A-305 bars.

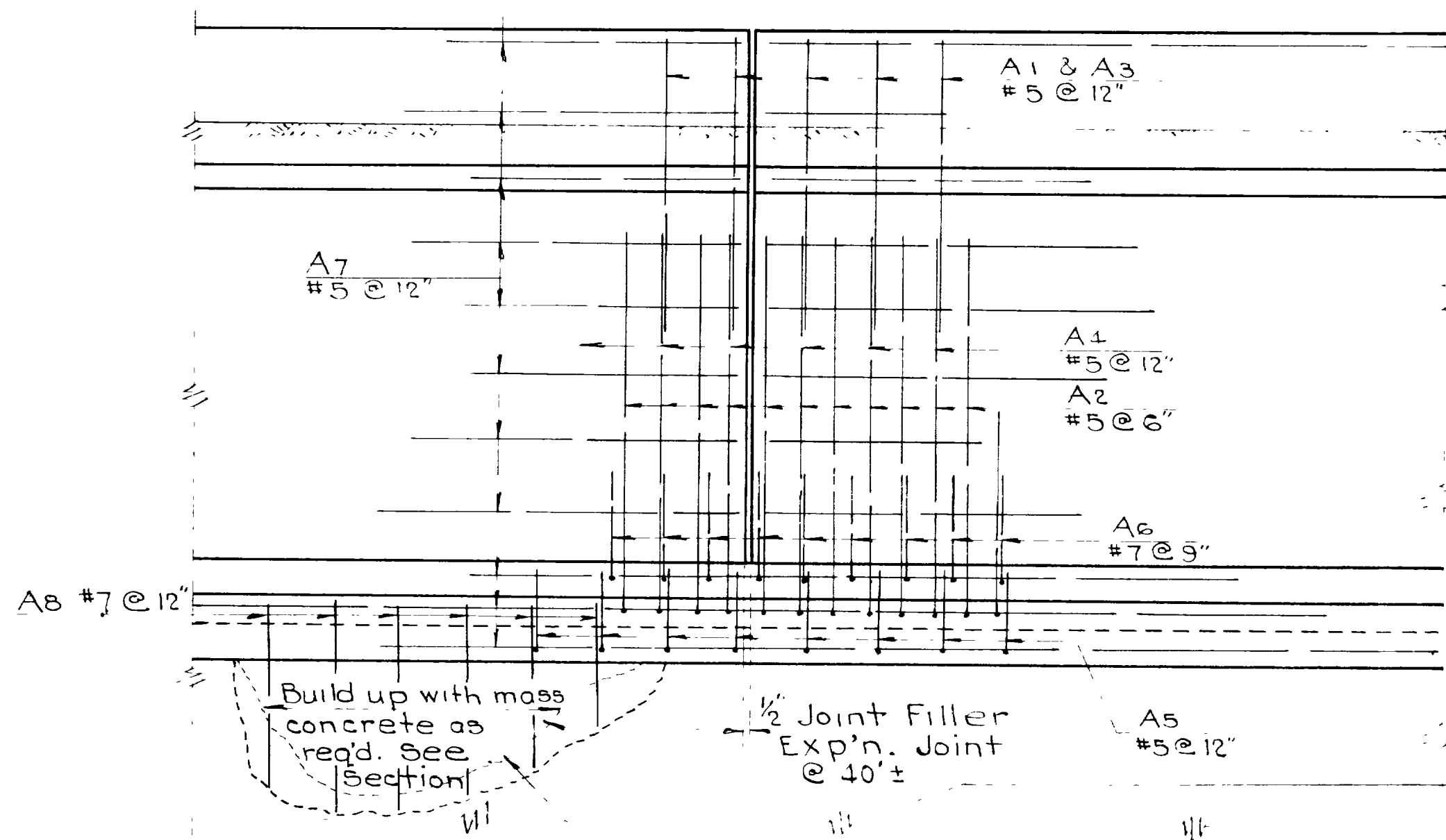
Type II cement required.

**ESTIMATED QUANTITIES**

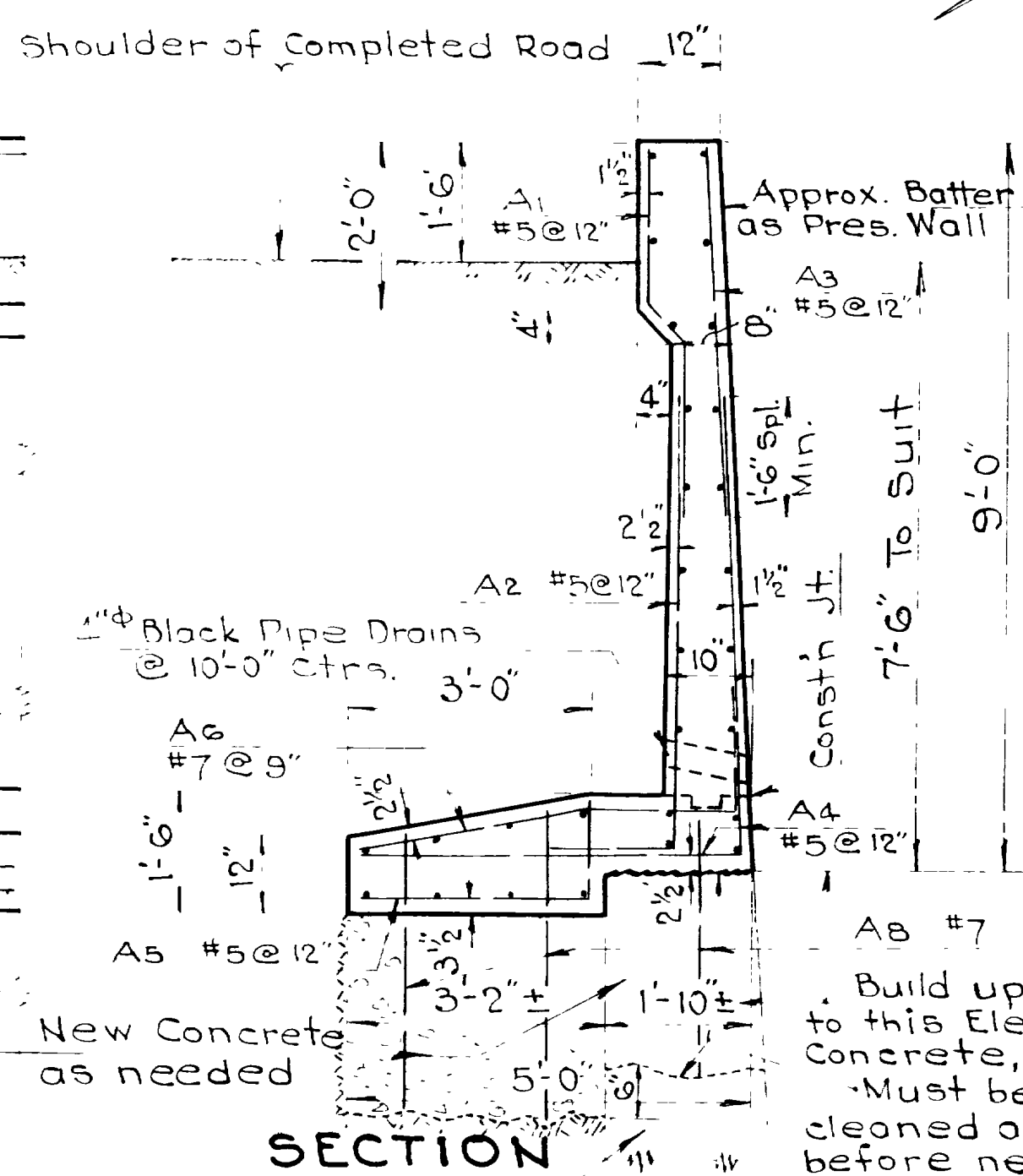
Excavation for Structure (Unclassified) 105 cu yds  
Concrete Class "A" 90 cu. yds  
No. 5 Reinforcing Bars 2,880' = 3,004 lbs } 7,629 lbs.  
No. 6 Reinforcing Bars 3,079' = 4,625 lbs }

**APPROX. QUANTITIES**  
(Per Ft. of Length)

Excav. for Struct. Unclassified 1.7 C.Y.  
Concrete - Class "A" .455 " "  
Reinforcing Steel 87.5 Lbs.



**ELEVATION**



**SECTION**

Firm Concrete

SHEET OF SHEETS	
UTAH STATE ROAD COMMISSION SALT LAKE CITY, UTAH BRIDGE DEPARTMENT	
<b>RETAINING WALLS AT DEVIL'S GATE</b>	
ER3 Weber Canyon; Weber Co.	
DESIGNED BY O.T.P.	SCALE None
DRAWN BY D.M.S.	ISSUED
TRACED BY H.A.	APPROVED
CHECKED BY	CHIEF BRIDGE ENGINEER
BR NO	DWG NO V-511

DIST NO	STATE	F.A. PROJ. NO.	FISCAL YEAR	SHEET	TOTAL SHEETS
UTAH	UTAH	ER-3	POST WAR	1	9

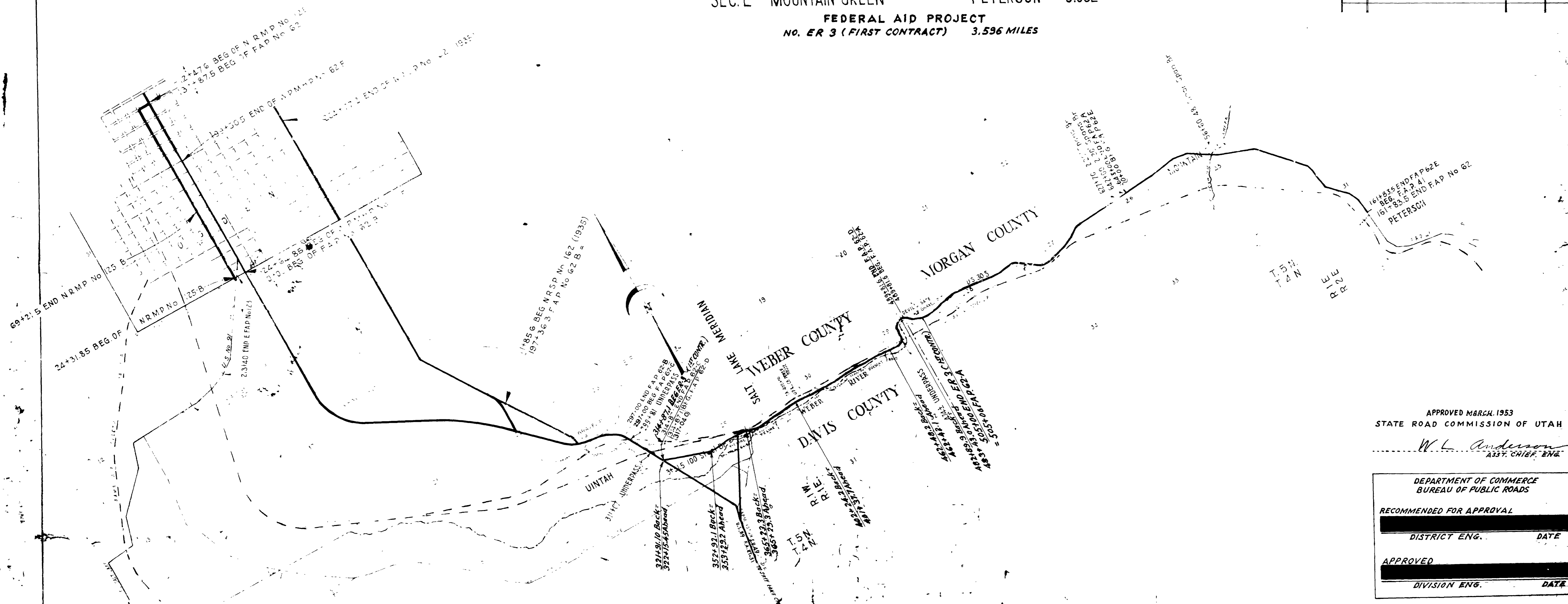
FIRST CONTRACT

PLAN 1" = 100'  
 SCALES PROFILE 1" = 100' HOR. 1" = 10' VER.

**WEBER COUNTY**  
 SEC. B. WASHINGTON AVE. — UINTAH 5.34 MILES  
 SEC. C. UINTAH UNDERPASSES 0.338 "  
 SEC. D. UINTAH — MORGAN COUNTY 3.28 "  
**MORGAN COUNTY**  
 SEC. A. WEBER COUNTY LINE - MOUNTAIN GREEN 2.91 MILES  
 SEC. E. MOUNTAIN GREEN — PETERSON 3.062 "  
**FEDERAL AID PROJECT**  
 NO. ER 3 (FIRST CONTRACT) 3.596 MILES

INDEX TO SHEETS ER. 3 (First Contr.)

SHEET	DESCRIPTION	DWG. NO.	STA.
1	TITLE SHEET		
2-9	PLAN & PROFILE		



APPROVED MARCH, 1953  
 STATE ROAD COMMISSION OF UTAH

*W. L. Anderson*  
 ASST. CHIEF ENG.

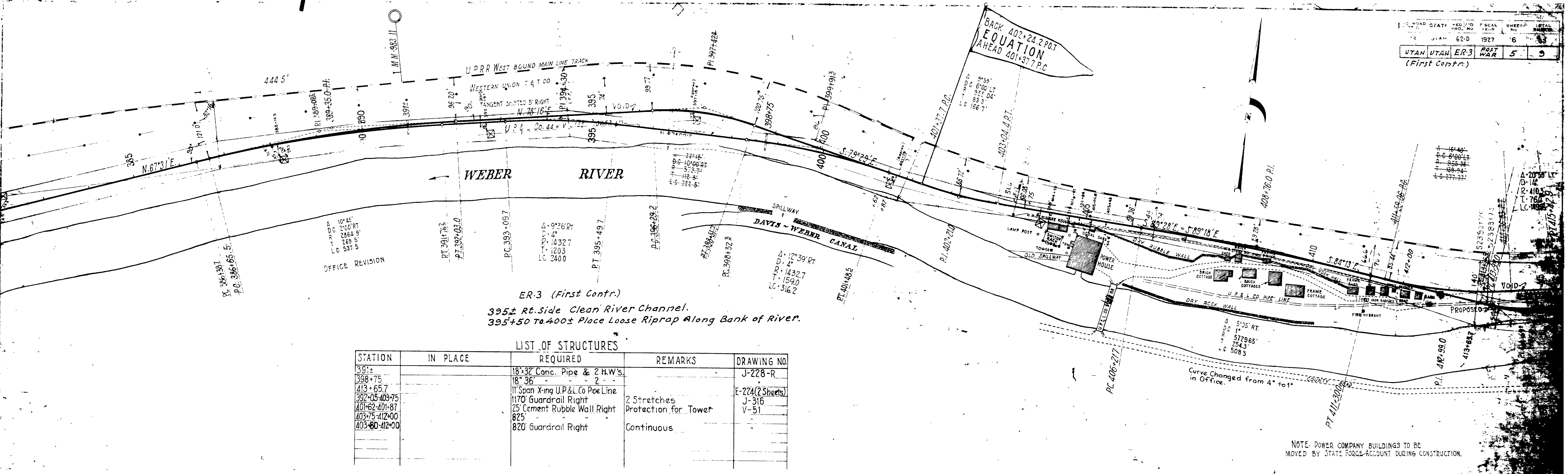
DEPARTMENT OF COMMERCE BUREAU OF PUBLIC ROADS	
RECOMMENDED FOR APPROVAL	
DISTRICT ENG.	DATE
APPROVED	
DIVISION ENG.	DATE







PLAN  
 SURVEYED BY  
 ALIGNED BY  
 CHECKED BY  
 DATE

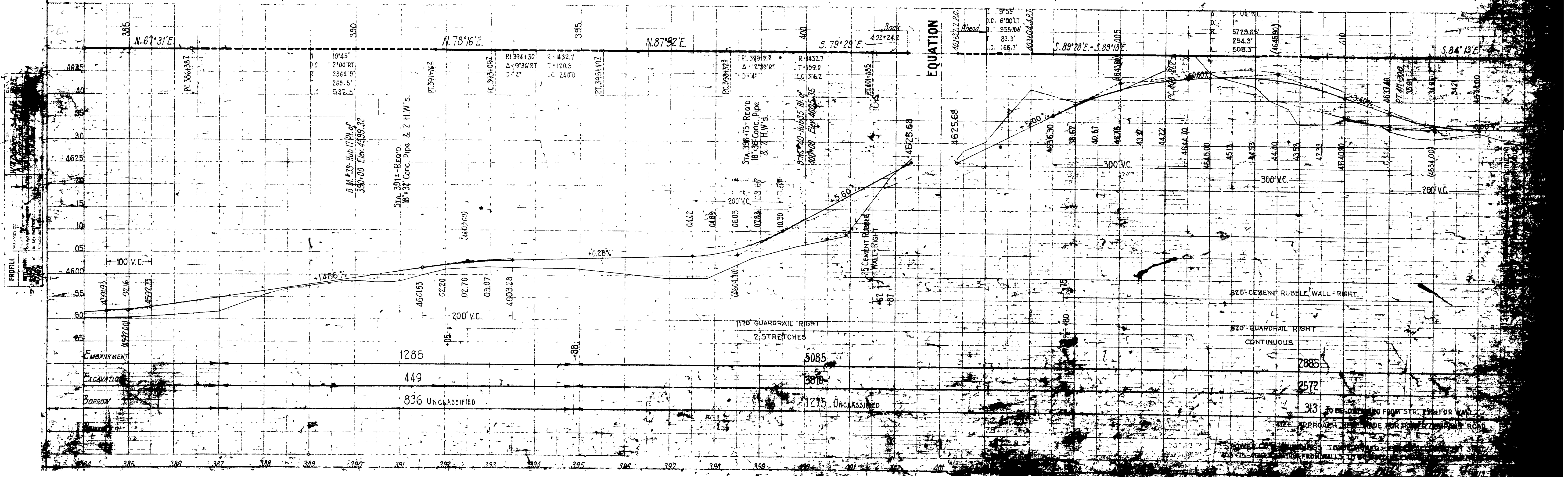


ER-3 (First Contr.)  
 395± Rt. Side Clean River Channel.  
 395+50 To 400± Place Loose Riprap Along Bank of River.

LIST OF STRUCTURES

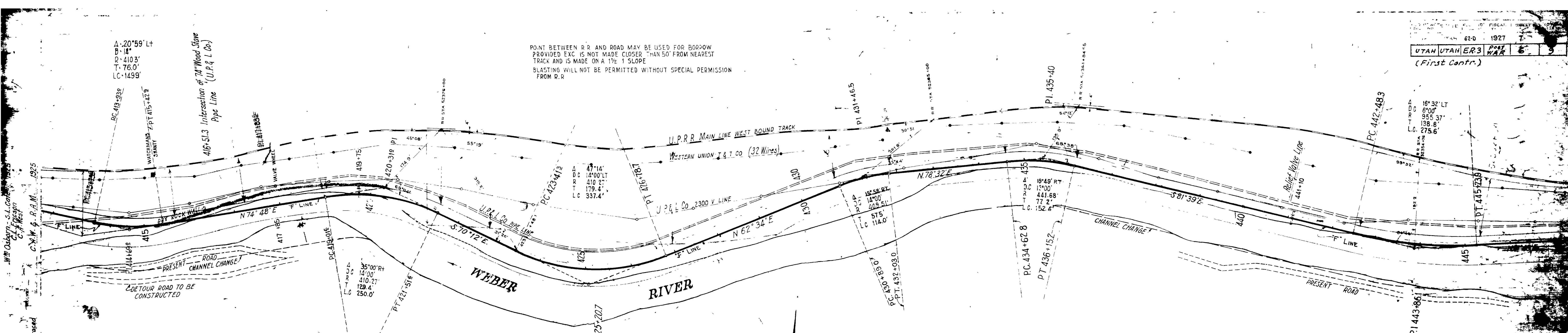
STATION	IN PLACE	REQUIRED	REMARKS	DRAWING NO.
397±		18" x 32" Conc. Pipe & 2 H.W.'s		J-228-R
398+75		18" x 36" "		
413+65.7		11 Span X-ing U.P. & L.Co Pipe Line		E-224 (2 Sheets)
392+05-403+75		1170 Guardrail Right	2 Stretches	J-316
401+62-401+87		25' Cement Rubble Wall Right	Protection for Tower	V-51
403+75-412+00		825' "		
403+80-412+00		820' Guardrail Right	Continuous	

NOTE: POWER COMPANY BUILDINGS TO BE MOVED BY STATE FORCE-ACCOUNT DURING CONSTRUCTION.



POWER COMPANY BUILDINGS TO BE MOVED BY STATE FORCE-ACCOUNT DURING CONSTRUCTION.

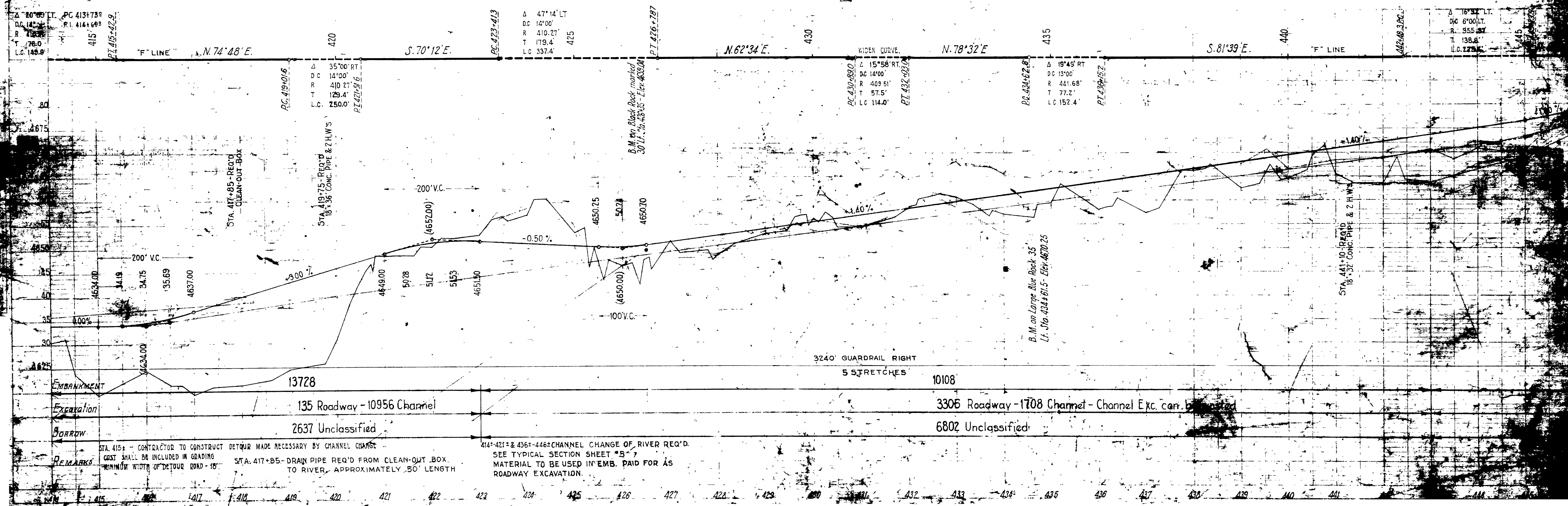
POINT BETWEEN R.R. AND ROAD MAY BE USED FOR BORROW TRACK AND IS MADE ON A 1% SLOPE. BLASTING WILL NOT BE PERMITTED WITHOUT SPECIAL PERMISSION FROM R.R.



NOTE: STA. 412 - STA. 455 - PROPOSED RELOCATION OF U.P. WEST BOUND MAIN LINE MORE OR LESS TO SOUTH OF EXISTING TRACK NECESSITATING RELOCATION OF HIGHWAY TO SOUTH TO CLEAR EMBANKMENT SLOPES.

ER.3 (First Contr.)  
 417± to 423 Clean River Channel of Riprap Bank.  
 426+70 to 428+20 Riprap River Bank.  
 430± to 457± Provide Riprap where necessary. (Approx. 600 Lin. Ft. Req'd.)

STATION	IN PLACE	REQUIRED	REMARKS	DRAWING NO.
419+75		18x36" Conc. Pipe & 2 H.W.'s		J-228-R
441+10		18x36" Conc. Pipe & 2 H.W.'s		J-316
413+60-446		3240' Guardrail Right	5 Stretches	J-337
417+85		Clean-out Box	50' of 6" Drain Pipe	



REMARKS: STA. 415 - CONTRACTOR TO CONSTRUCT DETOUR MADE NECESSARY BY CHANNEL CHANGE. COST SHALL BE INCLUDED IN GRADING. MINIMUM WIDTH OF DETOUR ROAD - 15'. STA. 417+85 - DRAIN PIPE REQ'D FROM CLEAN-OUT BOX TO RIVER, APPROXIMATELY 50' LENGTH. 414±-421± & 436±-448± CHANNEL CHANGE OF RIVER REQ'D. SEE TYPICAL SECTION SHEET "B-7" MATERIAL TO BE USED IN EMB. PAID FOR AS ROADWAY EXCAVATION.

415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441



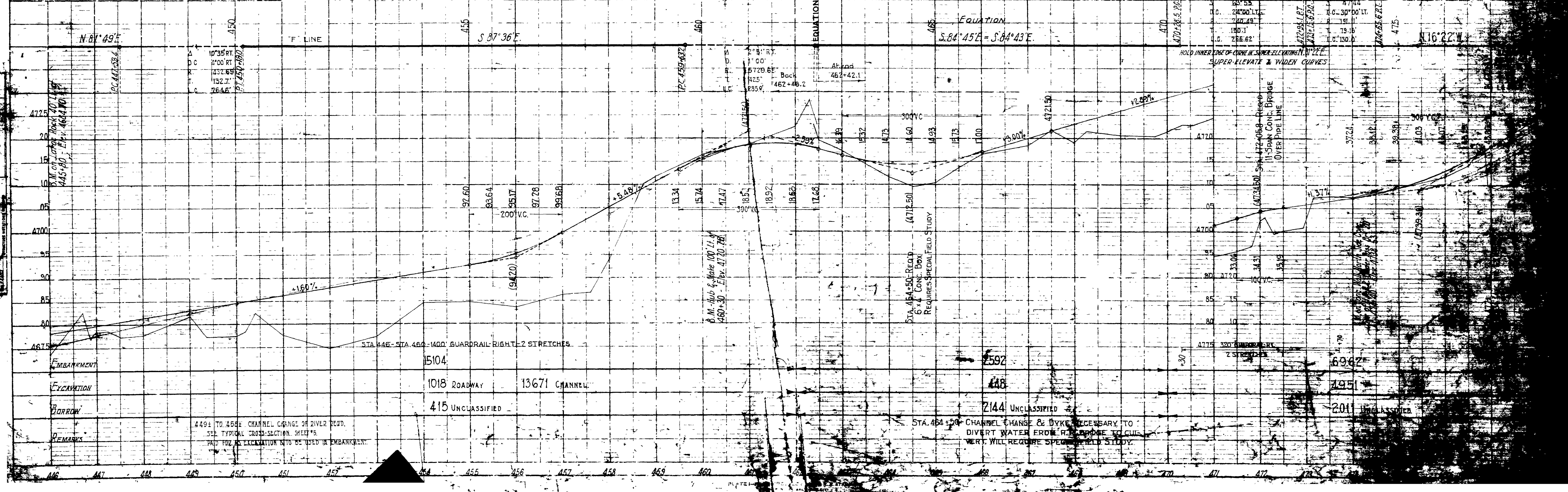
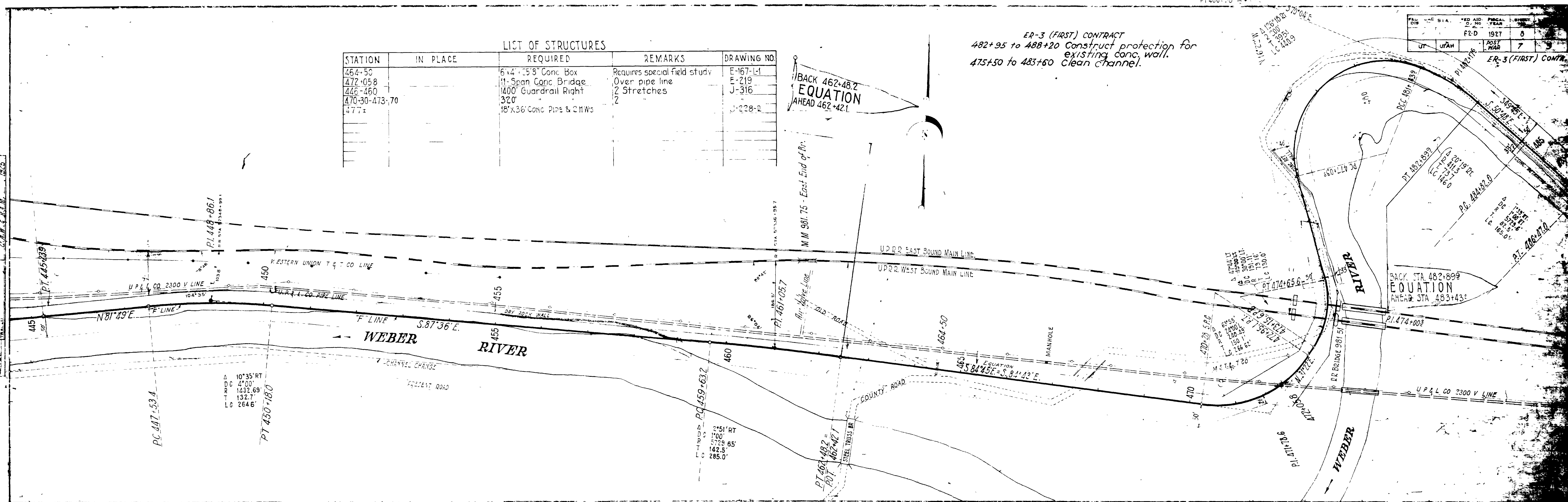
DATE	NO. OF SHEETS	FED. AID	FISCAL YEAR	POST WAR
11-13-57	1	F2-D	1927	6
UT	UTAH			7

ER-3 (FIRST) CONTRACT  
 482+95 to 488+20 Construct protection for  
 existing conc. wall.  
 475+50 to 483+60 Clean channel.

LIST OF STRUCTURES				
STATION	IN PLACE	REQUIRED	REMARKS	DRAWING NO.
464-50		6'x4'-25" Conc Box	Requires special field study	E-167-L1
472+05.8		11-Span Conc Bridge	Over pipe line	F-219
446-460		1400' Guardrail Right	2 Stretches	J-316
470+30-473+70		320		
477±		18'x36" Conc Pipe & CHWS		J-228-D

BACK 462+48.2  
 EQUATION  
 AHEAD 462+42.1

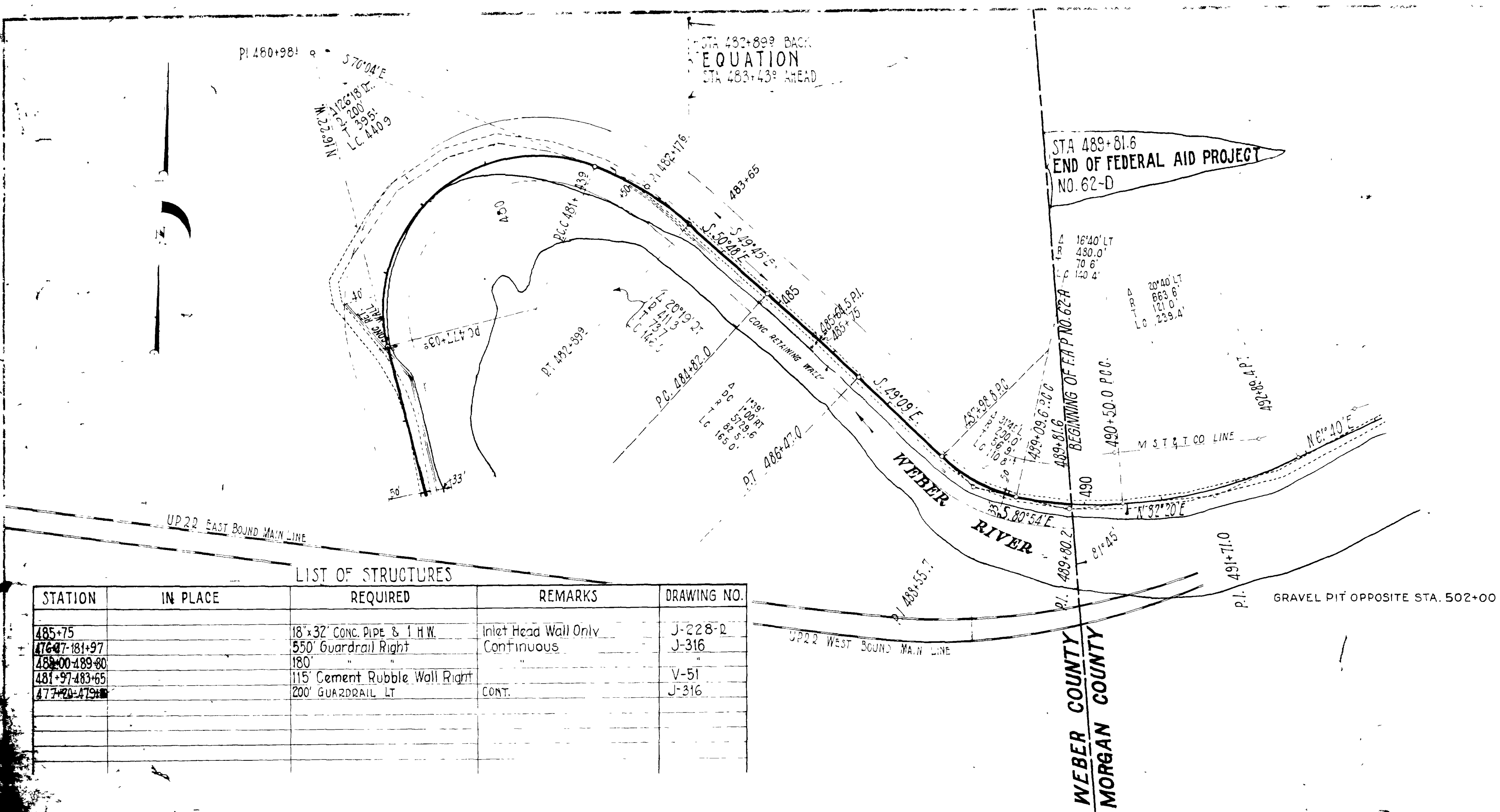
PLM  
 11/32  
 11/32



449± TO 455± CHANNEL CHANGE OF RIVER BED.  
 SEE TYPICAL CROSS-SECTION SHEET.  
 PAD FOR EXCAVATION TO BE USED IN EMBANKMENT.

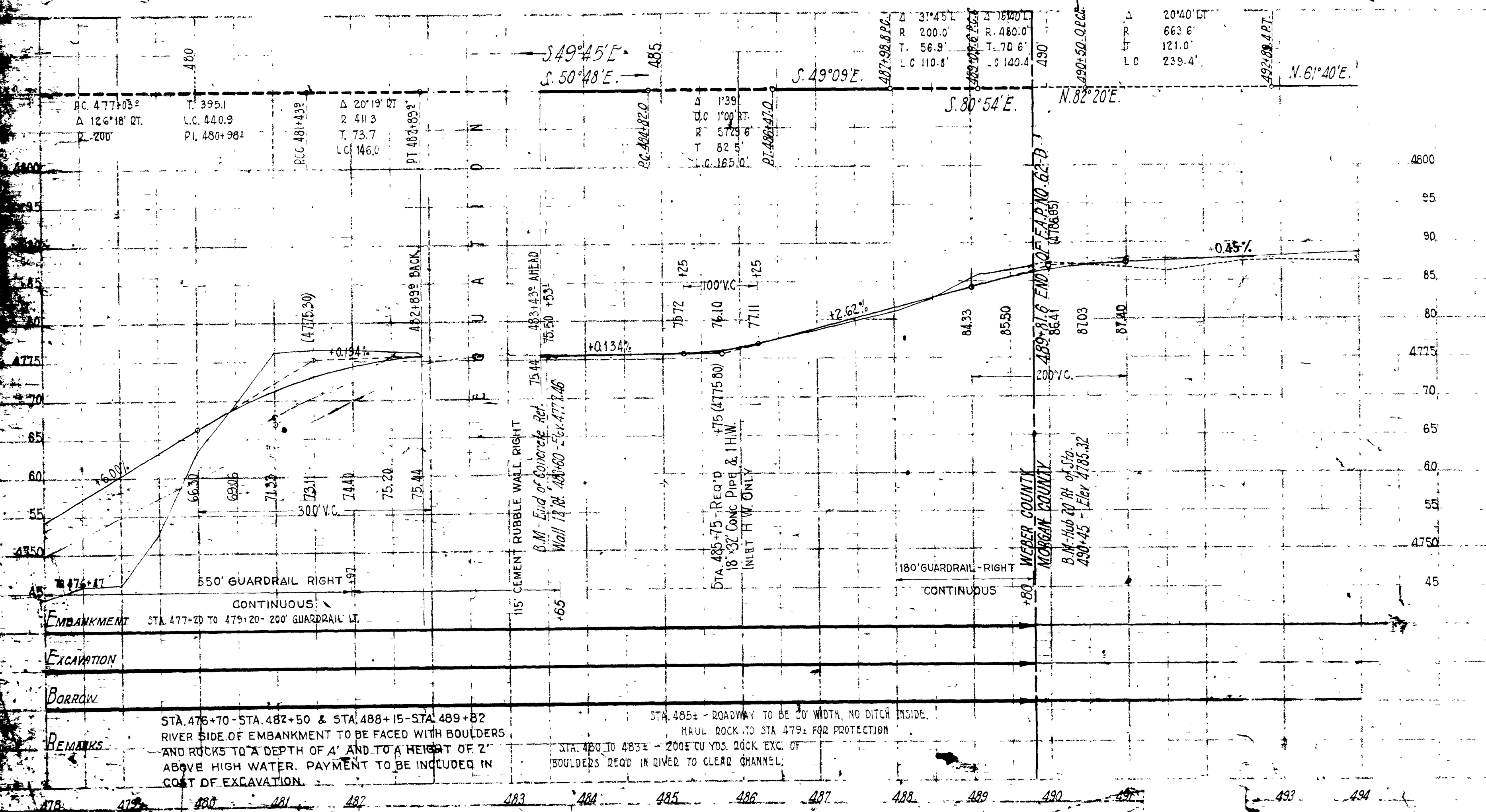
STA 464+50 CHANNEL CHANGE & DYKE NECESSARY TO  
 DIVERT WATER FROM RIVER TO CURVES.  
 WILL REQUIRE SPECIAL FIELD STUDY.

M.C. CAMERON 1925



LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS	DRAWING NO.
485+75		18" x 32" CONC. PIPE & 1 H.W.	Inlet Head Wall Only	J-228-R
476+07-181+97		550' Guardrail Right	Continuous	J-316
488+00-489+80		180'		
481+97-483+65		115' Cement Rubble Wall Right		V-51
477+00-479+00		200' GUARDRAIL LT	CONT.	J-316



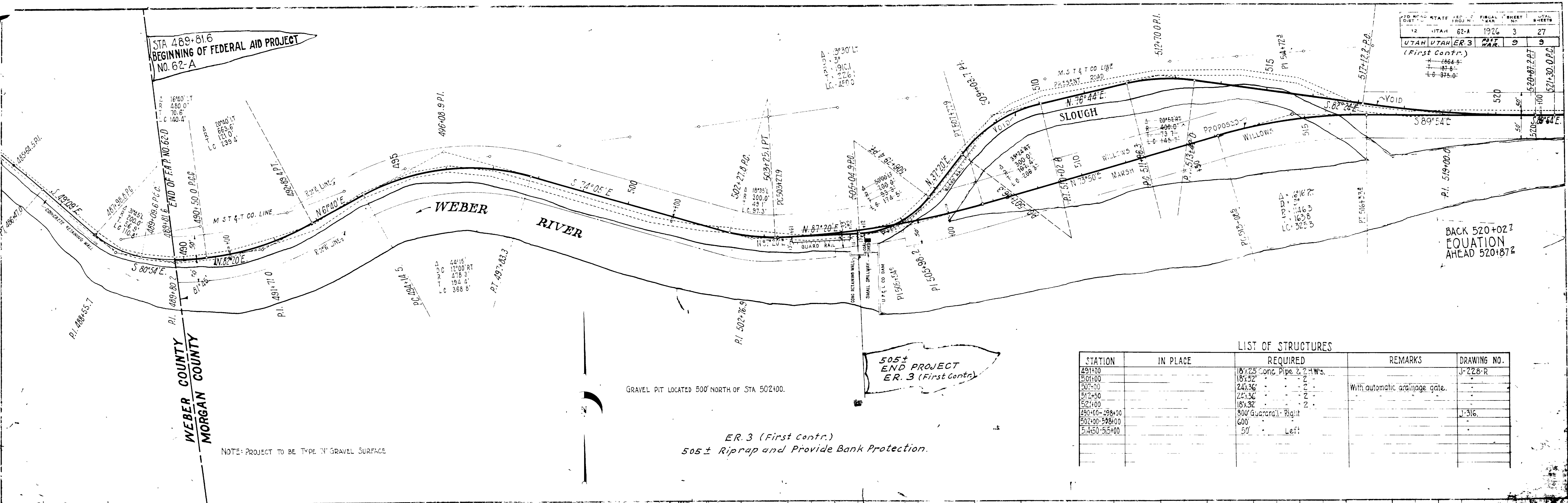
STA. 476+70 - STA. 482+50 & STA. 488+15 - STA. 489+82 RIVER SIDE OF EMBANKMENT TO BE FACED WITH BOULDERS AND ROCKS TO A DEPTH OF 4' AND TO A HEIGHT OF 2' ABOVE HIGH WATER. PAYMENT TO BE INCLUDED IN COST OF EXCAVATION.

STA. 485+ - ROADWAY TO BE 20' WIDE, NO DITCH INSIDE. HRAUL ROCK TO STA. 479+ FOR PROTECTION.

STA. 480 TO 485+ - 2000 CU YDS. ROCK EXC. OF BOULDERS REQ'D IN RIVER TO CLEAR CHANNEL.

STA 489+81.6  
BEGINNING OF FEDERAL AID PROJECT  
NO. 62-A

PLN  
DATE 1926  
BY W.A.S.



NOTE: PROJECT TO BE TYPE 'N' GRAVEL SURFACE

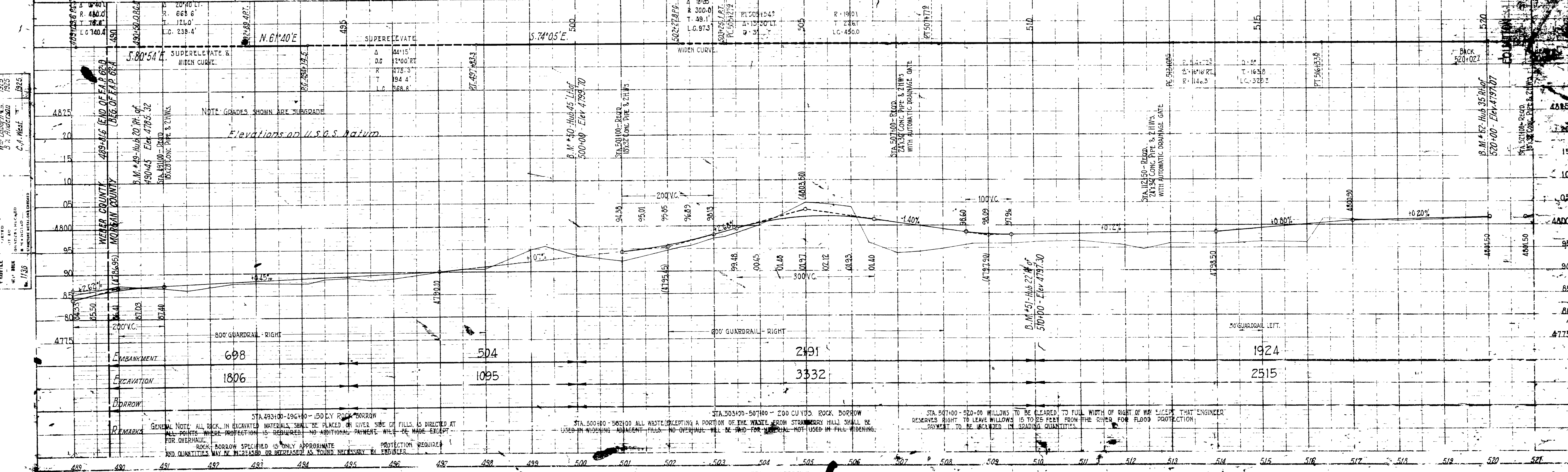
GRAVEL PIT LOCATED 500' NORTH OF STA 502+00.

505±  
END PROJECT  
ER. 3 (First Contr.)

ER. 3 (First Contr.)  
505± Riprap and Provide Bank Protection.

LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS	DRAWING NO.
491+00		16x25 Conc. Pipe 2 1/2 HWS.		J-228-R
501+00		18x32 "		
507+00		24x36 "	With automatic drainage gate.	
512+50		24x36 "		
521+00		18x32 "		
490+00-498+00		800' Guardrail - Right		J-316
502+00-508+00		600'		
514+50-515+00		50' Left		



GENERAL NOTE: ALL ROCK IN EXCAVATED MATERIALS SHALL BE PLACED ON RIVER SIDE OF FILLS, IS DIRECTED AT ALL POINTS WHERE PROTECTION IS REQUIRED. NO ADDITIONAL PAYMENT WILL BE MADE EXCEPT FOR OVERHAUL.

ROCK BORROW SPECIFIED IS ONLY APPROXIMATE. PROTECTION REQUIRED AND QUANTITIES MAY BE INCREASED OR DECREASED AS FOUND NECESSARY BY ENGINEER.

STA. 493+00-496+00 - 150 CY ROCK BORROW

STA. 500+00-502+00 ALL WASTE (EXCEPTING A PORTION OF THE WASTE FROM STRAWBERRY HILL) SHALL BE USED IN WIDENING ADJACENT FILLS. NO OVERHAUL WILL BE PAID FOR MATERIAL NOT USED IN FILL WIDENING.

STA. 507+00-520+00 WILLOWS TO BE CLEARED TO FULL WIDTH OF RIGHT OF WAY EXCEPT THAT ENGINEER RESERVES RIGHT TO LEAVE WILLOWS IS TO 25 FEET FROM THE RIVER FOR FLOOD PROTECTION. PAYMENT TO BE INCLUDED IN GRADING QUANTITIES.