

# UTAH

## DEPARTMENT OF TRANSPORTATION

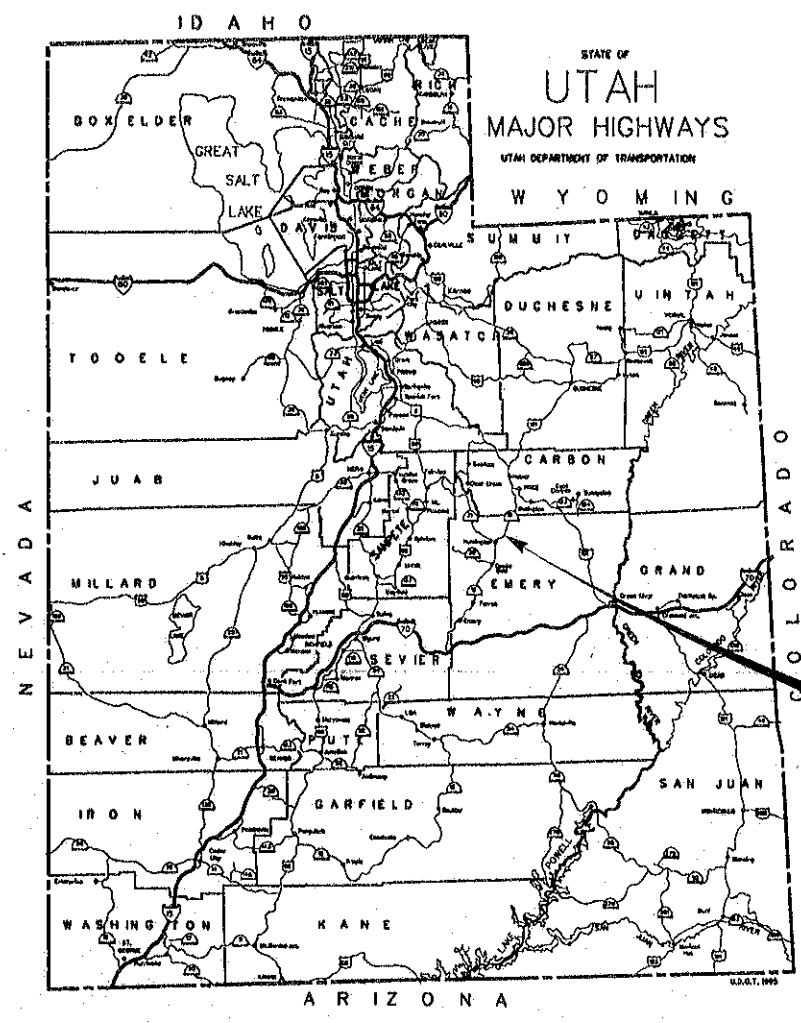
### FEDERAL AID PROJECT

INCH/POUND  
CSI

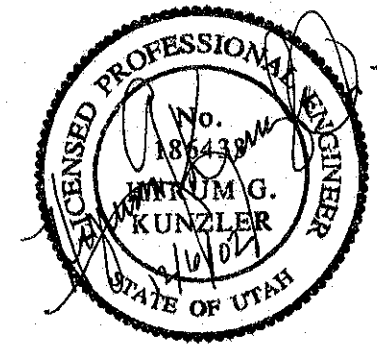
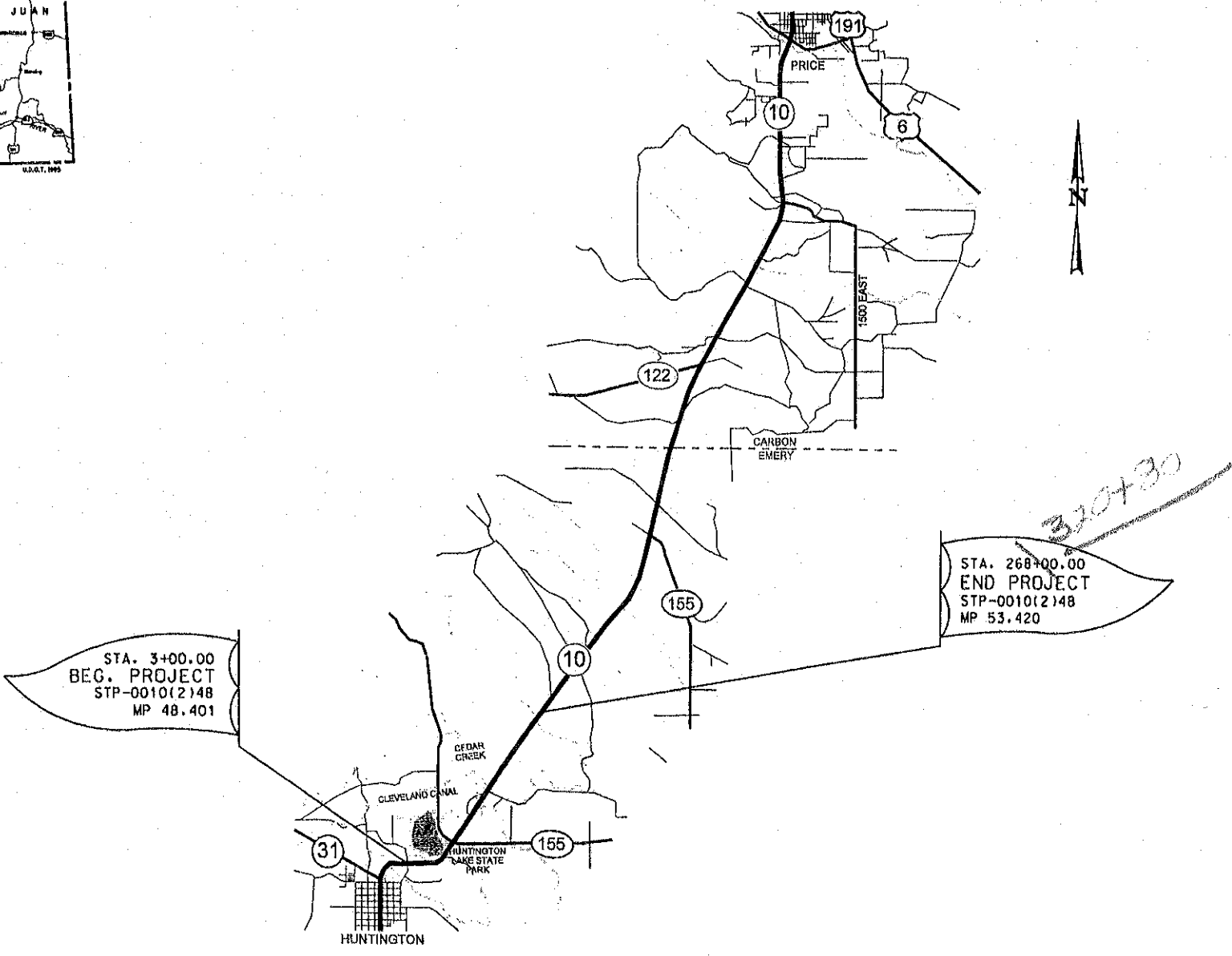
PLANS OF PROPOSED STATE PROJECT

STP-0010(2)48

SR-10, HUNTINGTON TO POISON SPRINGS BENCH  
WIDENING, SURFACING  
GRADING, DRAINAGE, RETAINING WALLS  
EMERY COUNTY  
LENGTH 5.019 MILES

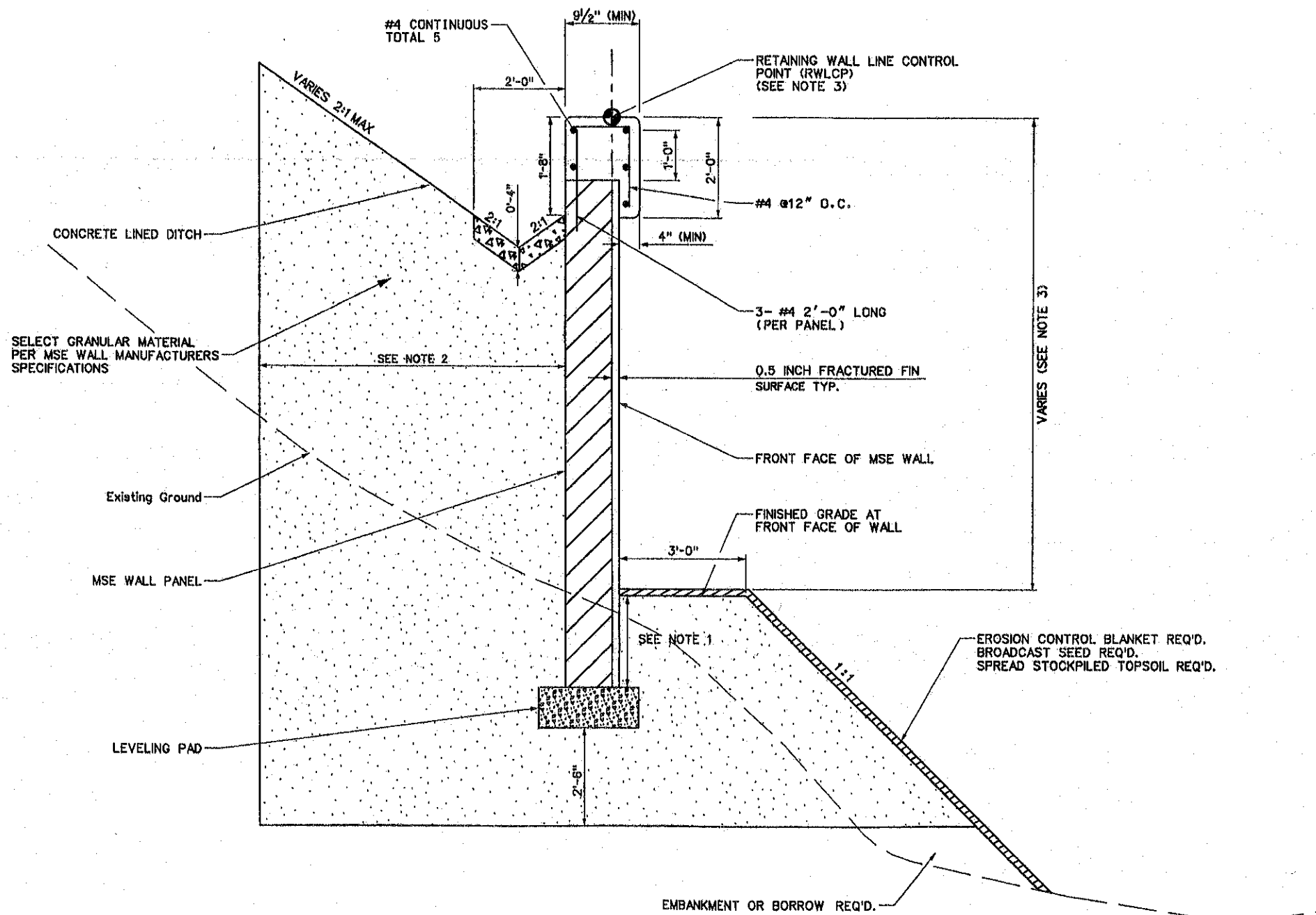


STP-0010(2)48



UTAH DEPARTMENT OF TRANSPORTATION  
APPROVED 1/21/03 2002  
*[Signature]*  
REGION 4 DIRECTOR

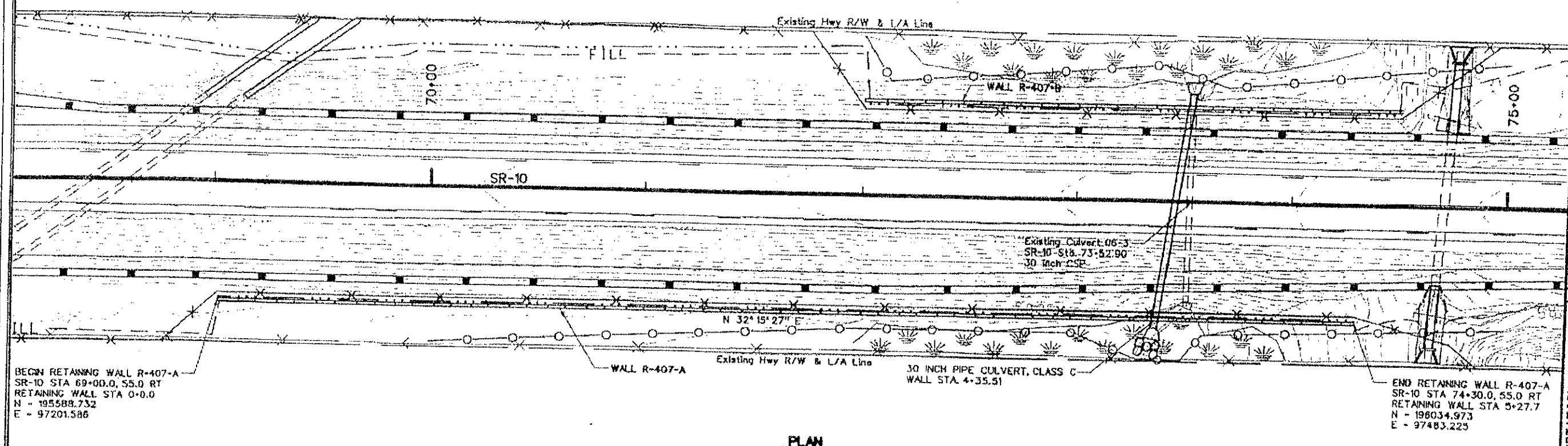
**DETAIL SHEET**  
**MSE RETAINING WALL DETAIL**  
R-407-A  
R-407-B  
R-407-C  
R-407-D



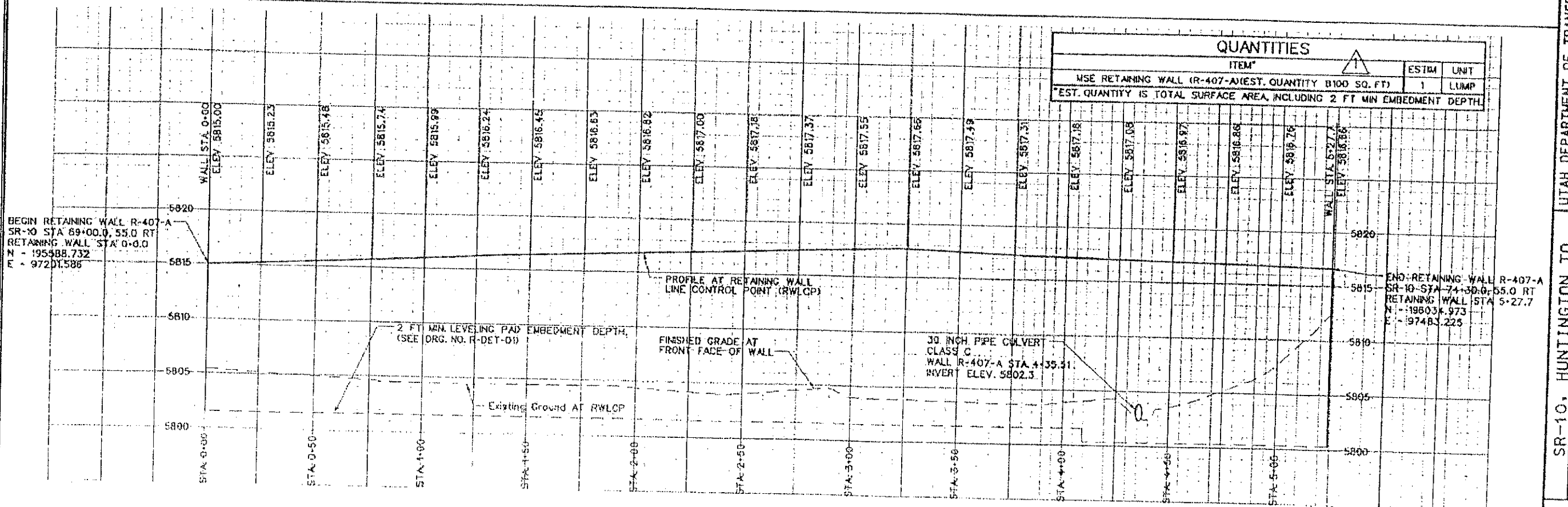
UTAH DEPARTMENT OF TRANSPORTATION		SALT LAKE CITY, UTAH		Baker	
SR-10, HUNTINGTON TO		POISON SPRINGS BENCH		STRUCTURES DIVISION	
MSE RETAINING WALL DETAIL		DESIGN: SCB 10/02	CHECK: HGK 10/02	DATE: 10/02	BY:
PROJECT NUMBER: STP-0010(2)48		DRAWN: SCB 10/02	CHECK: HGK 10/02	DATE: 10/02	BY:
EMERY COUNTY		APPROVED: <i>[Signature]</i>		DATE: 10/02	REVISIONS:
R-DET-01		APPROVED: <i>[Signature]</i>		DATE: 10/02	REVISIONS:
DRG. NO.		APPROVED: <i>[Signature]</i>		DATE: 10/02	REVISIONS:
SHT. 1 OF 1		APPROVED: <i>[Signature]</i>		DATE: 10/02	REVISIONS:

MIN. LEVELING PAD EMBEDMENT  
MSE WALL MANUFACTURERS SPECIFICATIONS  
RETAINING WALL SHEETS, R-407-A  
R-407-B, R-407-C, R-407-D  
STATION, OFFSET, AND ELEVATION OF MSE WALLS.

**WALL R-407-A**  
VIEW IS FRONT FACE OF WALL



**PLAN**



**PROFILE**

QUANTITIES		
ITEM	ESTM	UNIT
MSE RETAINING WALL (R-407-A) (EST. QUANTITY 8100 SQ. FT)	1	LUMP
EST. QUANTITY IS TOTAL SURFACE AREA, INCLUDING 2 FT MIN EMBEDMENT DEPTH.		

UTAH DEPARTMENT OF TRANSPORTATION  
SALT LAKE CITY, UTAH  
STRUCTURES DIVISION

PROJECT NUMBER: STP-0010(2)48

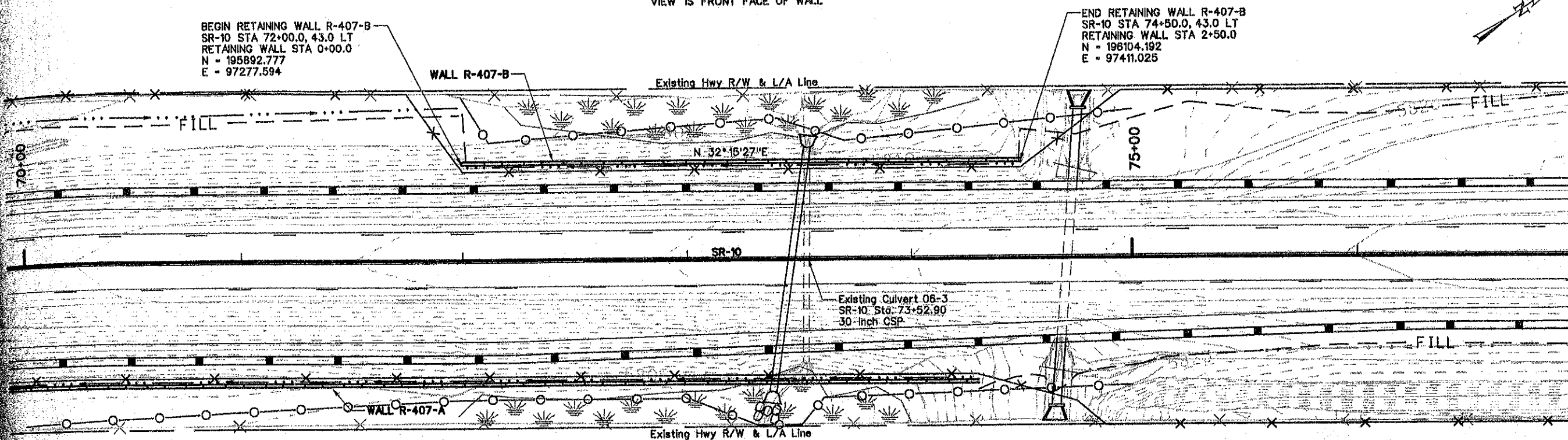
SR-10, HUNTINGTON TO  
POISON SPRINGS BENCH  
RETAINING WALL

EMERY COUNTY  
R-407-A  
DRG. NO.

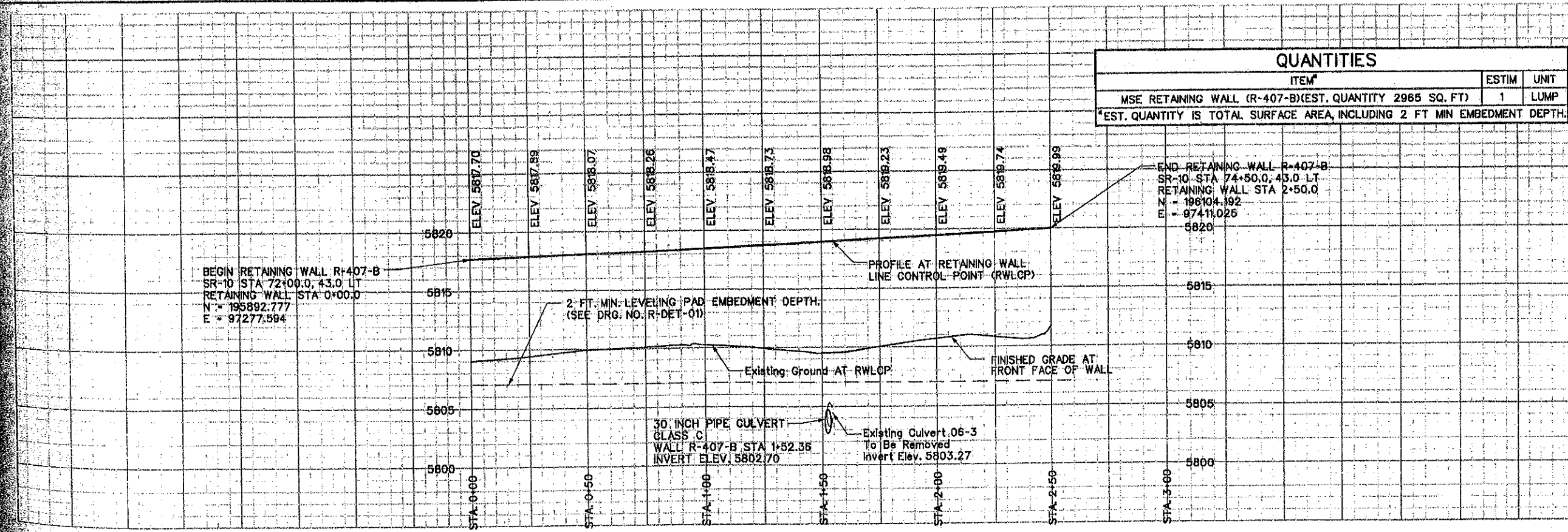
DATE: 10/02  
CHECKER: HGK  
DATE: 10/02  
DESIGNER: JLP  
DATE: 10/02  
APPROVER: JLP

REVISIONS

**WALL R-407-B**  
VIEW IS FRONT FACE OF WALL



**PLAN**



**PROFILE**

QUANTITIES		
ITEM*	ESTIM	UNIT
MSE RETAINING WALL (R-407-B)(EST. QUANTITY 2965 SQ. FT)	1	LUMP

\*EST. QUANTITY IS TOTAL SURFACE AREA, INCLUDING 2 FT MIN EMBEDMENT DEPTH.

UTAH DEPARTMENT OF TRANSPORTATION  
SALT LAKE CITY, UTAH  
STRUCTURES DIVISION

PROJECT NUMBER: SR-10, HUNTINGTON TO POISON SPRINGS BENCH RETAINING WALL  
STP-0010(2)48

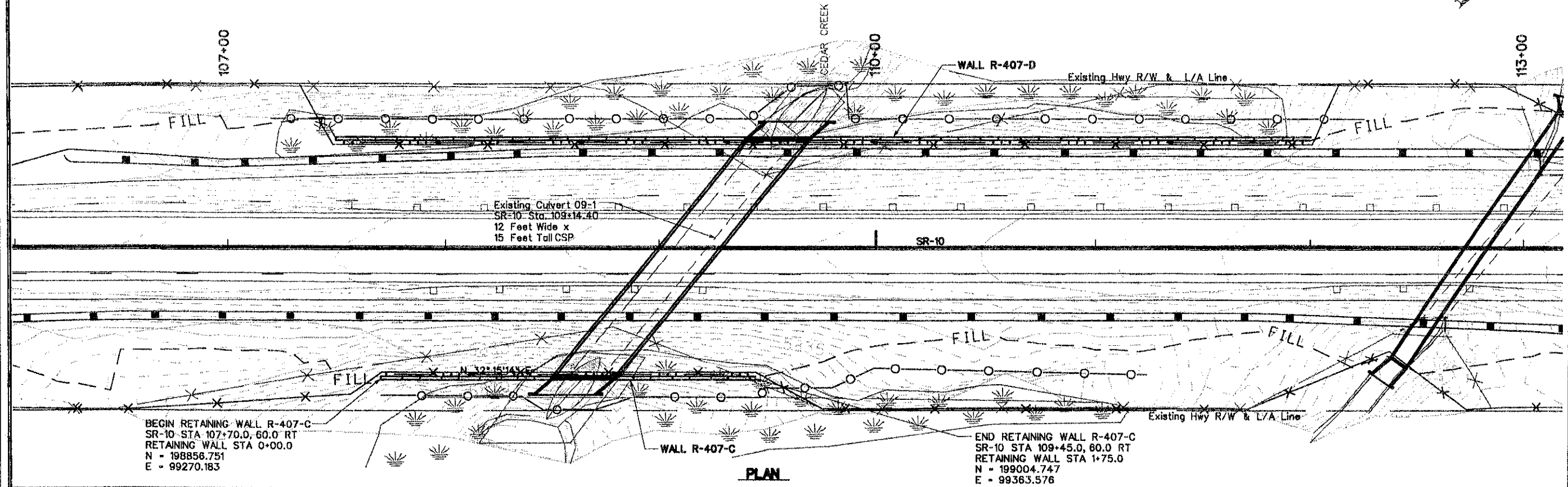
EMERY COUNTY  
R-407-B  
DRG. NO.

SHT. 1 OF 1

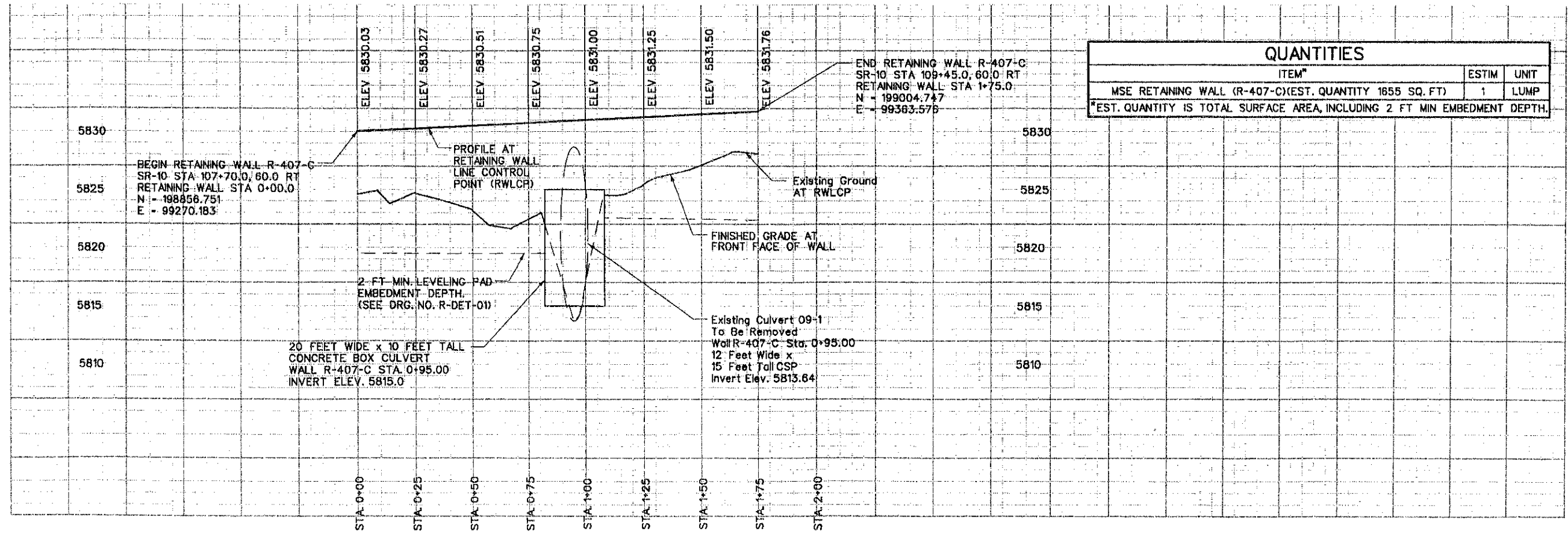
APPROVAL: [Signature] DATE: 10/10/02  
DESIGN: JLP 10/02 CHECK: HGK 10/02  
DRAWN: JLP 10/02 CHECK: HGK 10/02

REVISIONS

**WALL R-407-C**  
VIEW IS FRONT FACE OF WALL



**PLAN**



**PROFILE**

QUANTITIES		
ITEM*	ESTIM	UNIT
MSE RETAINING WALL (R-407-C)(EST. QUANTITY 1655 SQ. FT)	1	LUMP
*EST. QUANTITY IS TOTAL SURFACE AREA, INCLUDING 2 FT MIN EMBEDMENT DEPTH.		

UTAH DEPARTMENT OF TRANSPORTATION  
SALT LAKE CITY, UTAH  
STRUCTURES DIVISION

PROJECT NUMBER: STP-0010(2)48

EMERY COUNTY  
R-407-C  
DRG. NO.

SHT. 1 OF 1

APPROVAL: *[Signature]* DATE: 10/13/02  
RECORD: *[Signature]* DATE: 10/13/02

DESIGN: J.L.P. 10/02  
CHECK: H.G.K. 10/02

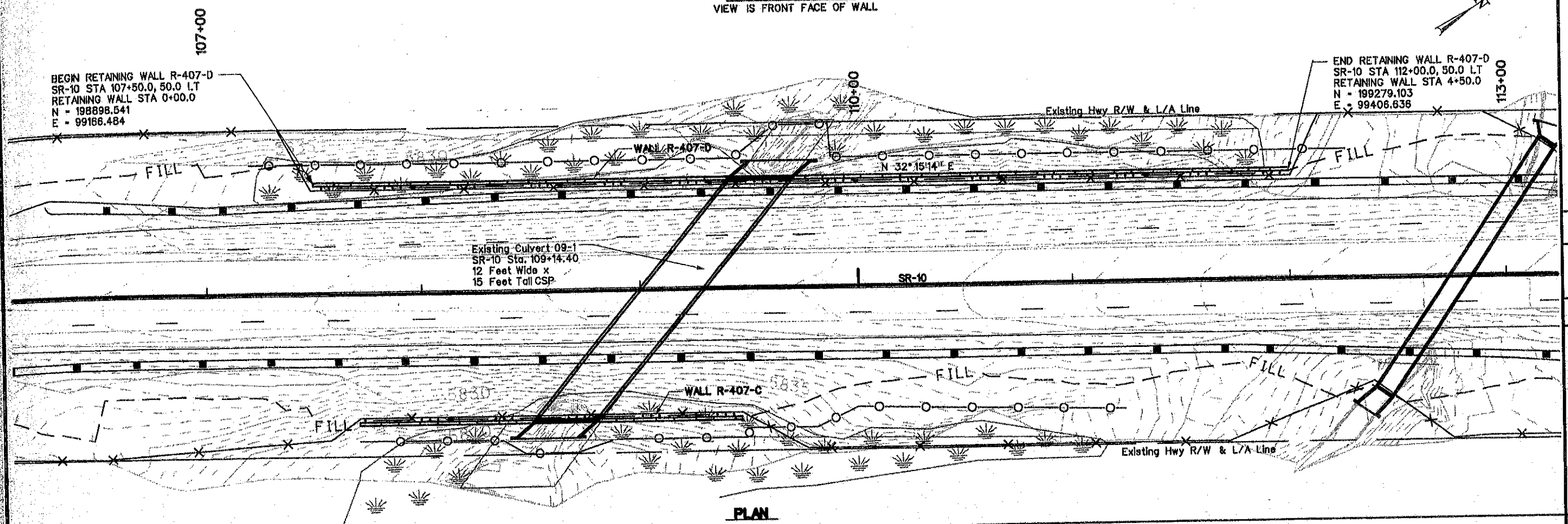
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CHECK: H.G.K. 10/02

NO. DATE BY

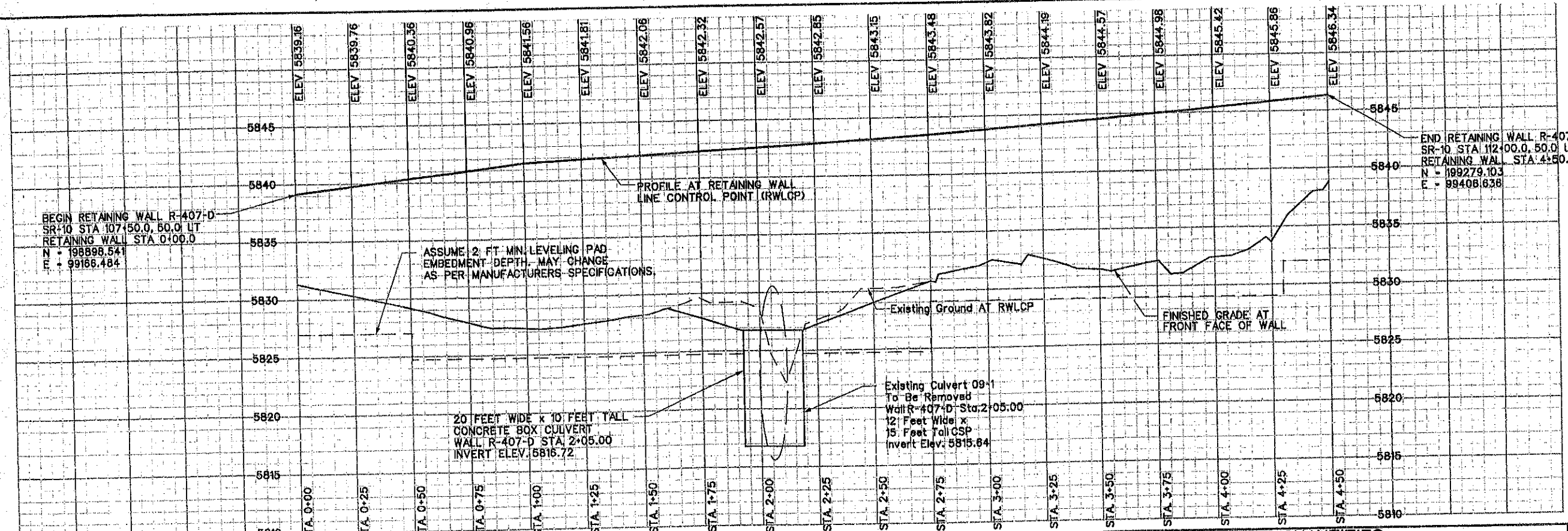
REVISIONS

12/06/2002 P:\projects\2002\10-2209-DT\sheet\DRG\STRUCTURES\2209-R-407-C.dwg

**WALL R-407-D**  
VIEW IS FRONT FACE OF WALL



**PLAN**



BEGIN RETAINING WALL R-407-D  
SR-10 STA 107+50.0, 50.0 LT  
RETAINING WALL STA 0+00.0  
N = 198898.541  
E = 99166.484

ASSUME 2 FT MIN LEVELING PAD  
EMBEDMENT DEPTH, MAY CHANGE  
AS PER MANUFACTURERS SPECIFICATIONS.

20 FEET WIDE x 10 FEET TALL  
CONCRETE BOX CULVERT  
WALL R-407-D STA 2+05.00  
INVERT ELEV 5816.72

Existing Culvert 09-1  
To Be Removed  
Wall R-407-D Sta 2+05.00  
12 Feet Wide x  
15 Feet Tall CSP  
Invert Elev 5815.84

END RETAINING WALL R-407-D  
SR-10 STA 112+00.0, 50.0 LT  
RETAINING WALL STA 4+50.0  
N = 199279.103  
E = 99406.636

QUANTITIES		
ITEM <sup>a</sup>	ESTIM	UNIT
MSE RETAINING WALL (R-407-D) EST. QUANTITY 7200 SQ. FT)	1	LUMP

<sup>a</sup>NET QUANTITY IS TOTAL SURFACE AREA, INCLUDING 2 FT MIN EMBEDMENT DEPTH.

UTAH DEPARTMENT OF TRANSPORTATION  
SALT LAKE CITY, UTAH  
STRUCTURES DIVISION

PROJECT NUMBER: SR-10, HUNTINGTON TO POISON SPRINGS BENCH RETAINING WALL  
STP-0010(2)48

APPROVAL RECORD:  
DESIGNER: JLP 10/02  
CHECKER: HOK 10/02  
DRAWN: JLP 10/02  
CHECKER: HOK 10/02  
APPROVED: [Signature] DATE: 10/03/02  
APPROVED: [Signature] DATE: 10/03/02

NO.	DATE	BY	REVISIONS

EMERY COUNTY  
R-407-D  
DRG. NO.

SHT. 1 OF 1