

# UTAH

# CSI METRIC

SHEET NO. 1

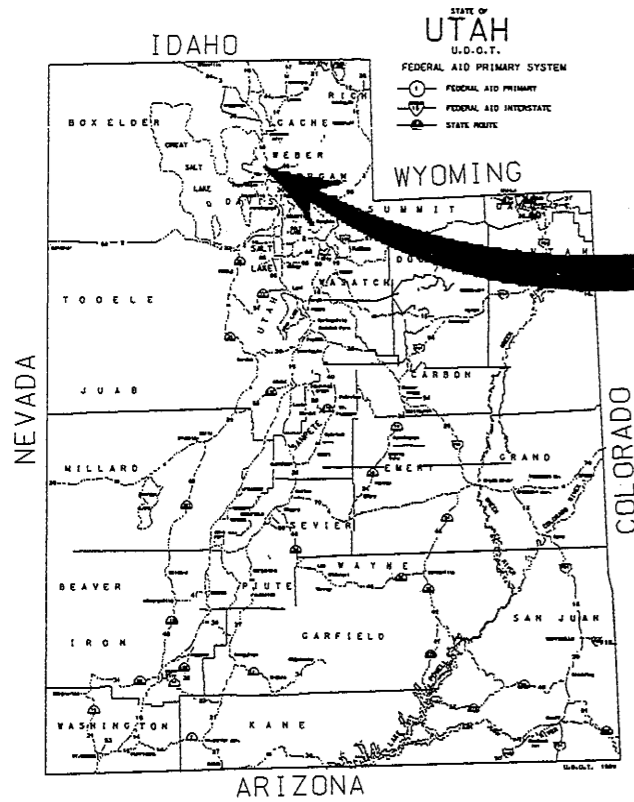
## DEPARTMENT OF TRANSPORTATION PLANS OF PROPOSED STATE ROAD FEDERAL AID PROJECT

### STP-BRF-0126(3)14

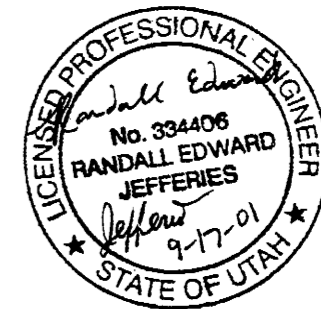
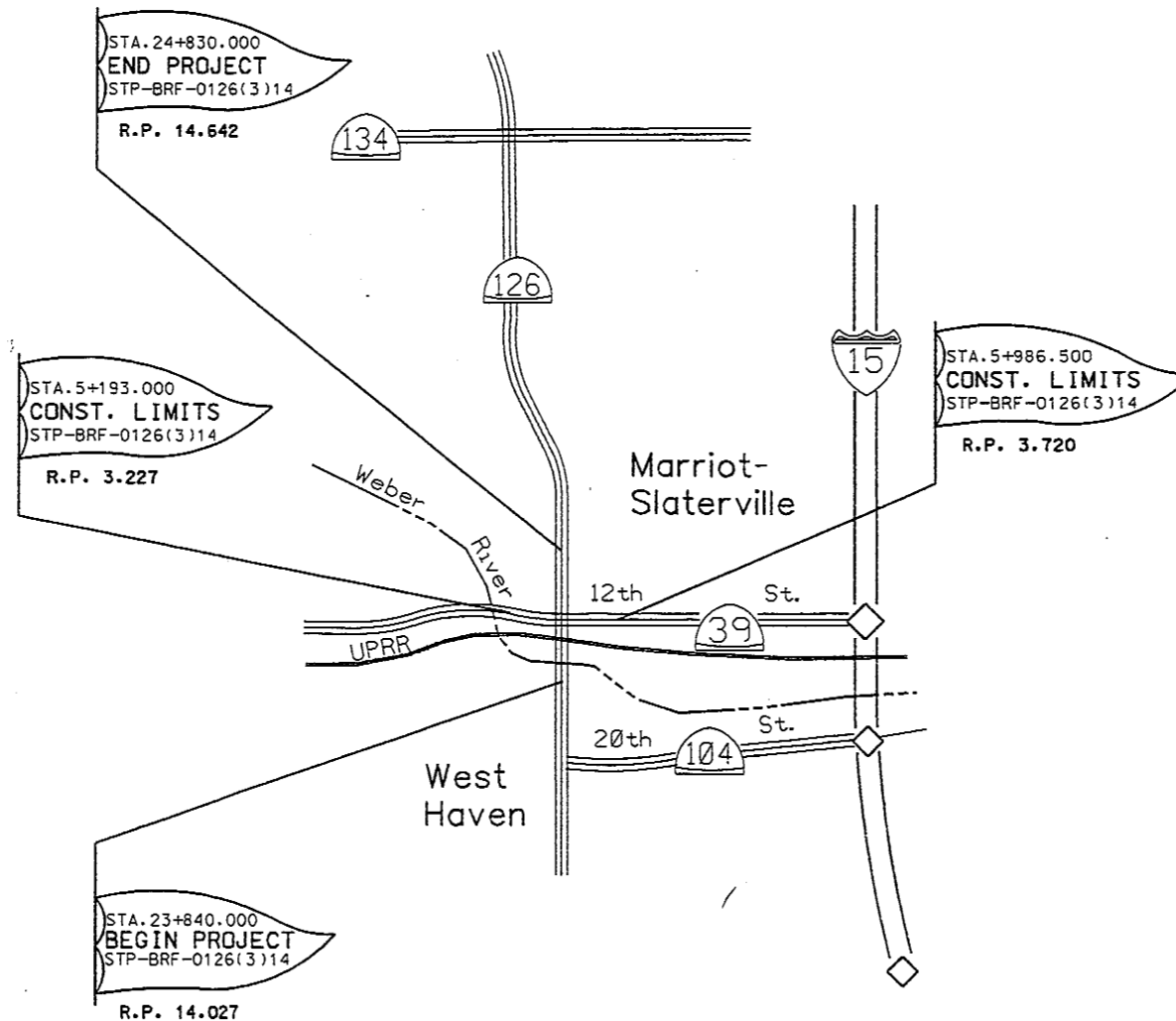
### SR-126; 1800 SOUTH TO 12TH STREET, OGDEN

### RECONSTRUCTION AND BRIDGE REPLACEMENTS

### WEBER COUNTY - LENGTH = 0.990 km



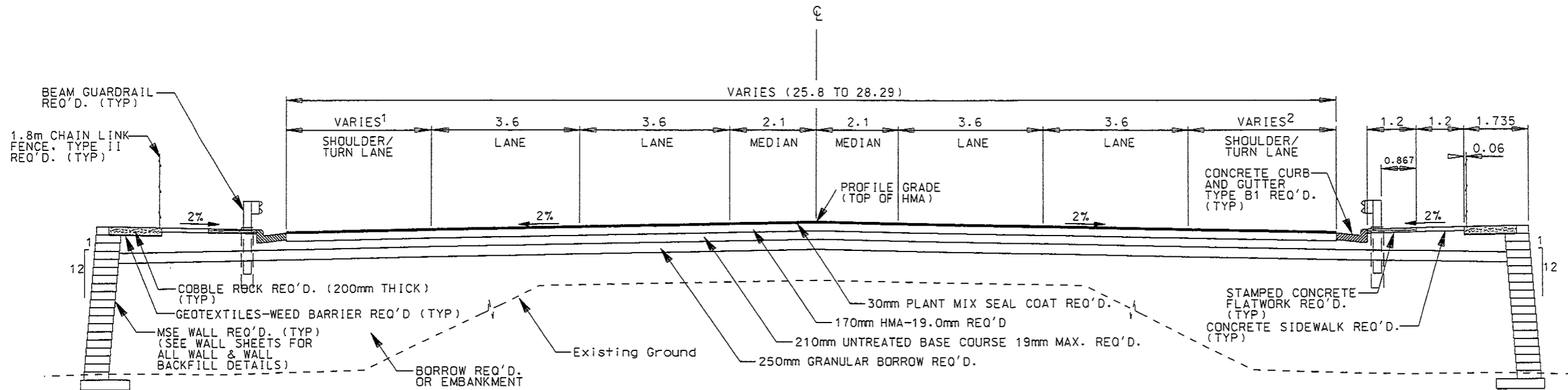
STP-BRF-0126(3)14



UTAH DEPARTMENT OF TRANSPORTATION  
 APPROVED *10/15/01* 2001  
*Jefferies*  
 REGION DIRECTOR

NOTE: ALL UNITS IN METERS UNLESS NOTED.

# TYPICAL SECTIONS



## TYPICAL SECTION 3

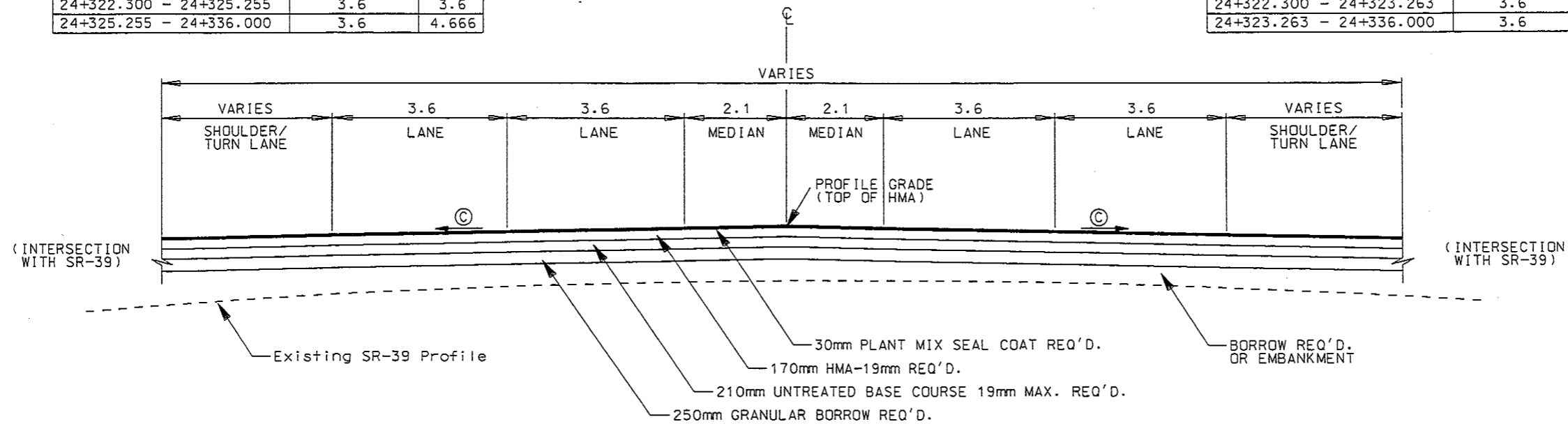
(1) LEFT SIDE

STATION	SHOULDER/TURN LANE	
	VARIES FROM (m)	TO (m)
24+046.350 - 24+053.000	3.6	3.6
23+265.000 - 24+278.350	3.6	3.6
24+322.300 - 24+325.255	3.6	3.6
24+325.255 - 24+336.000	3.6	4.666

(2) RIGHT SIDE

STATION	SHOULDER/TURN LANE	
	VARIES FROM (m)	TO (m)
24+046.350 - 24+053.000	3.6	3.6
23+265.000 - 24+278.350	3.6	3.6
24+322.300 - 24+323.263	3.6	3.6
24+323.263 - 24+336.000	3.6	5.024

DESIGN SPEED 80 KMH  
SR-126  
A STA 24+046.350 TO STA 24+053.000  
STA 24+265.000 TO STA 24+278.350  
(STA 24+278.350 TO STA 24+322.300 STRUCTURE C-913)  
STA 24+322.300 TO STA 24+336.000



## TYPICAL SECTION 4

DESIGN SPEED 80 KMH  
SR-126  
A STA 24+353.580 TO STA 24+433.470

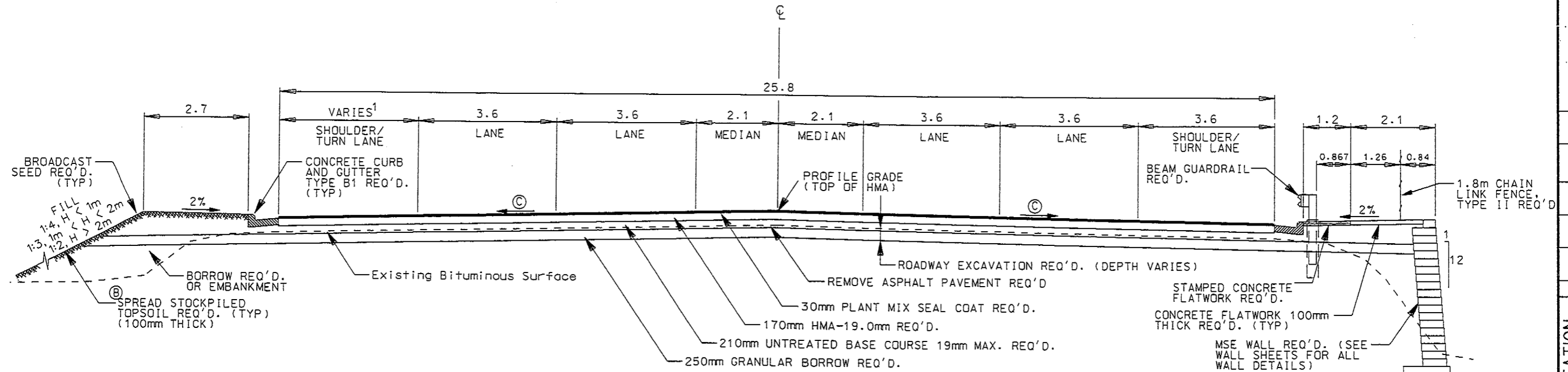
### NOTES

- A SEE PLAN SHEETS AND DETAILED REPORT FOR EXACT STATION LIMITS OF ALL PAY ITEMS.
- B STRIP AND STOCKPILE TOPSOIL REQ'D. IN AREAS DESCRIBED ON LANDSCAPING SHEETS.
- C SEE GRADING PLAN SHEETS GD-14 & GD-15.

UTAH DEPARTMENT OF TRANSPORTATION			
REGION ONE, OGDEN ROADWAY DESIGN			
SR-126, 1800 SOUTH TO 12th STREET, OGDEN	TYPICAL SECTIONS	STP-BRF-0126(3)14	
APPROVAL DATE: 9/01	DESIGNER: RJ 7/01	CHECKER: BK 8/01	REVIEWER: BK 8/01
APPROVED: [Signature]	DRAWN: RJ 7/01	CHECKER: BK 8/01	DATE: 8/01
PROJECT DESIGN ENGINEER: [Signature]	QUANT.: RJ 7/01	CHECKER: BK 8/01	BY: SN
APPROVED: [Signature]	ROADWAY DESIGN ENGINEER	CHECKER: BK 8/01	DATE: 8/01
WEBER COUNTY			
SHEET NO. TS-2			

D:\GIS\MapInfo\Projects\1872\_00\Sheet\_Files\Typical\TS-2.dgn 21-080-2001

# TYPICAL SECTIONS

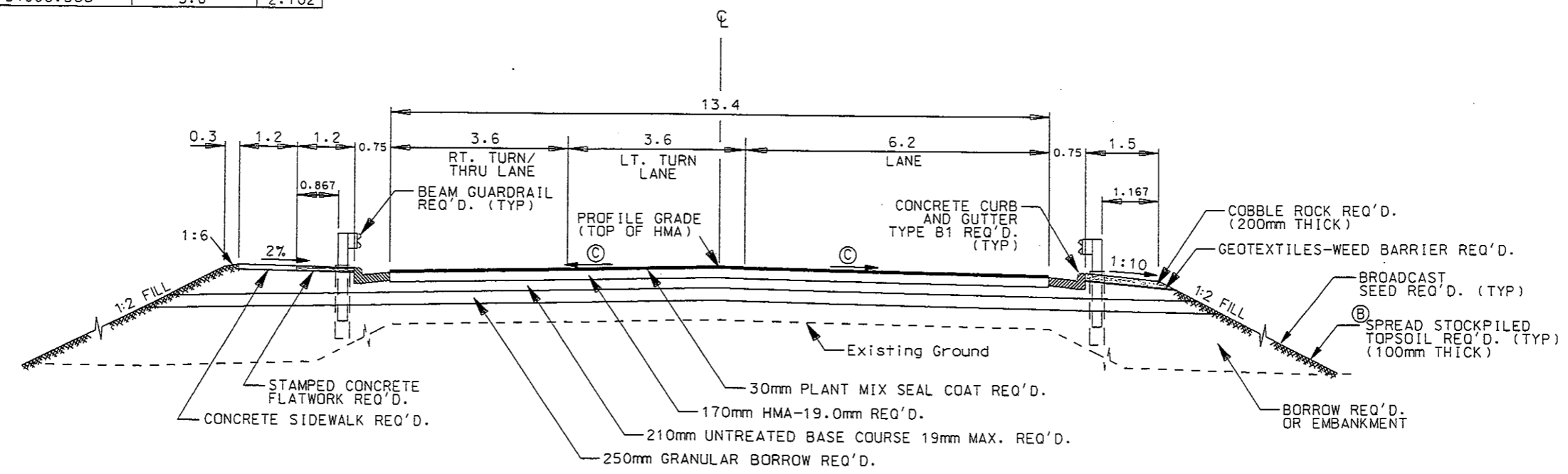


**TYPICAL SECTION 9**

DESIGN SPEED 80 KMH  
 SR-39  
 (A) STA 5+775.000 TO STA 5+986.500

(1) LEFT SIDE

STATION	SHOULDER/TURN LANE	
	VARIES FROM (m)	TO (m)
5+775.000 - 5+973.000	3.6	3.6
5+973.000 - 5+986.500	3.6	2.702



**TYPICAL SECTION 10**

DESIGN SPEED 40 KMH  
 1350 S (East Leg)  
 (A) STA 1+012.900 TO STA 1+034.000

**NOTES**

- (A) SEE PLAN SHEETS AND DETAILED REPORT FOR EXACT STATION LIMITS OF ALL PAY ITEMS.
- (B) STRIP AND STOCKPILE TOPSOIL REQ'D. IN AREAS DESCRIBED ON LANDSCAPING SHEETS.
- (C) SEE SUPERELEVATION DIAGRAMS SHEET DT-1

UTAH DEPARTMENT OF TRANSPORTATION  
 REGION ONE, OGDEN  
 ROADWAY DESIGN

APPROVAL RECORDAL DATE	9/01	PROJECT DESIGN ENGINEER	<i>[Signature]</i>
APPROVED DATE	10/01	ROADWAY DESIGN ENGINEER	<i>[Signature]</i>

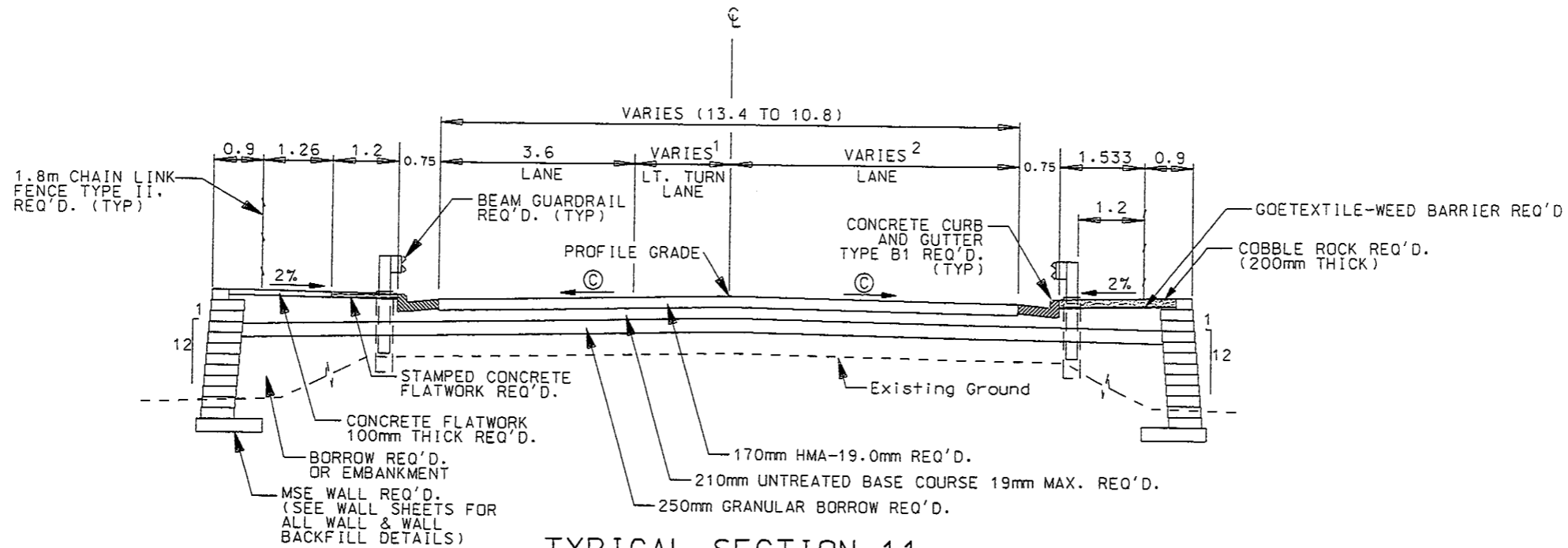
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DRAWN	RJ	7/01	CHECK	BK	8/01	BY	SN	
QUANT.	RJ	7/01	CHECK	BK	8/01			

SR-126, 1800 SOUTH  
 TO 12th STREET, OGDEN  
 TYPICAL SECTIONS  
 PROJECT NUMBER STP-BRF-0126(3)14

WEBER COUNTY  
 SHEET NO. TS-5

DGN File: H:\Projects\14172\_01D\Sheet\_1\Final\lyncd15-5.dgn 21-AUG-2001

# TYPICAL SECTIONS



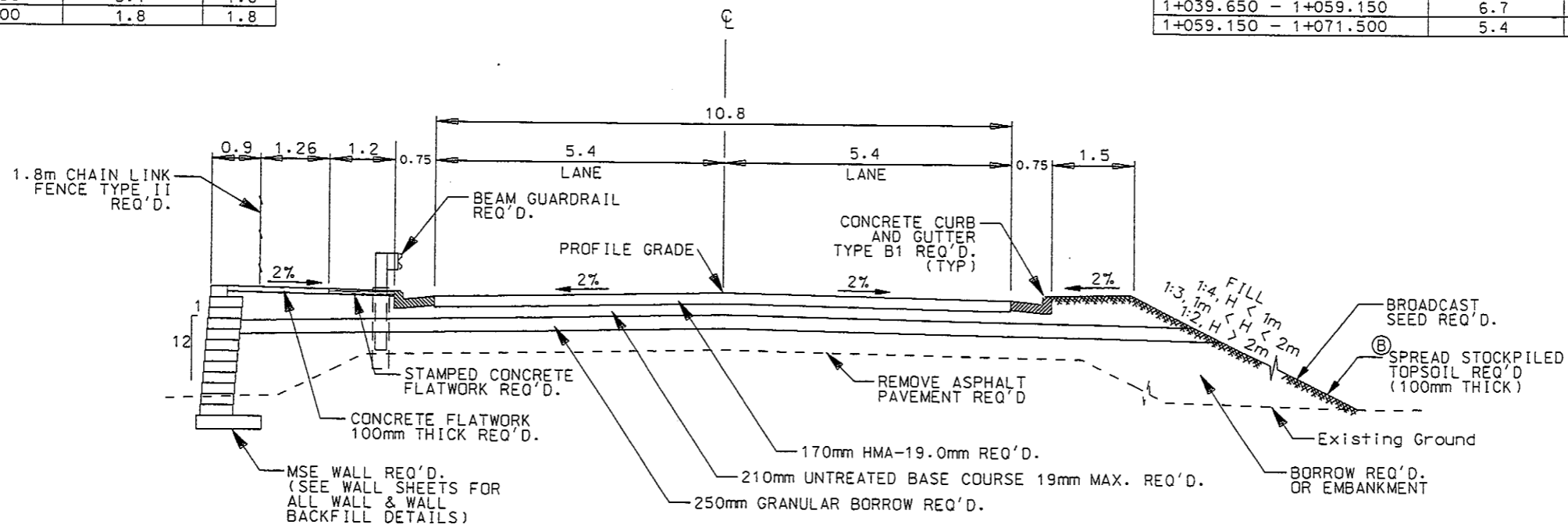
STATION	LEFT TURN LANE	
	VARIES FROM (m)	TO (m)
1+034.000 - 1+039.650	3.1	3.1
1+039.650 - 1+059.150	3.1	1.8
1+059.150 - 1+071.500	1.8	1.8

## TYPICAL SECTION 11

DESIGN SPEED 40 KMH  
1350 S (East Leg)  
A STA 1+034.000 TO STA 1+071.500

## (2) RIGHT SIDE

STATION	ACCEPTANCE LANE	
	VARIES FROM (m)	TO (m)
1+034.000 - 1+039.650	6.7	6.7
1+039.650 - 1+059.150	6.7	5.4
1+059.150 - 1+071.500	5.4	5.4



## TYPICAL SECTION 12

DESIGN SPEED 40 KMH  
1350 S (East Leg)  
A STA 1+071.500 TO STA 1+095.530

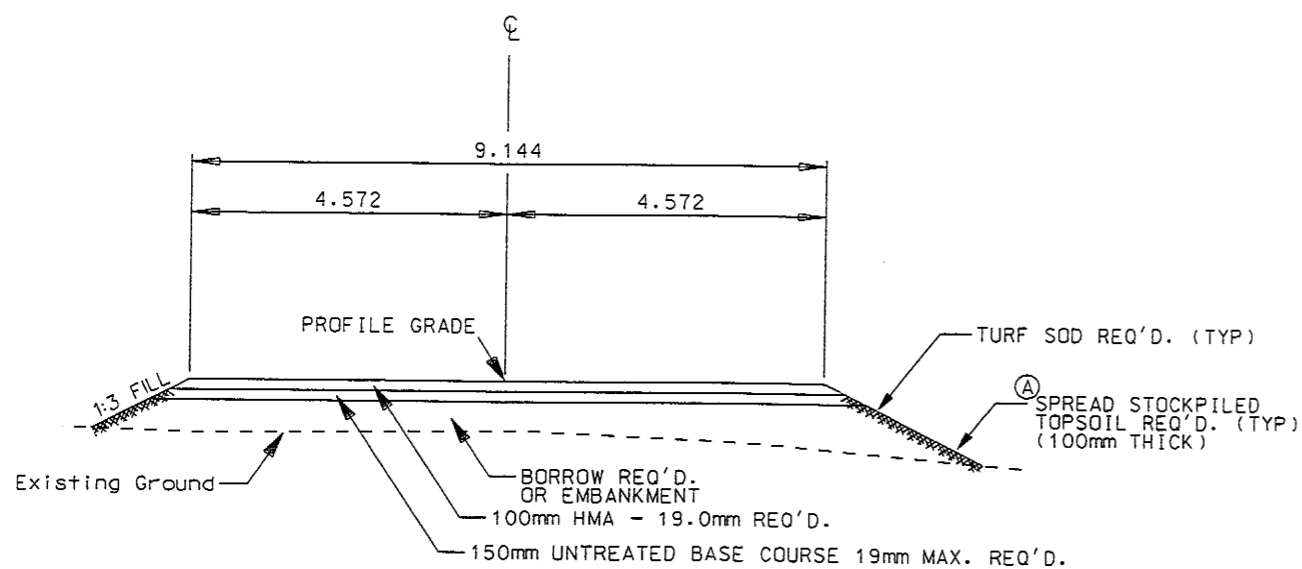
### NOTES

- (A) SEE PLAN SHEETS AND DETAILED REPORT FOR EXACT STATION LIMITS OF ALL PAY ITEMS.
- (B) STRIP AND STOCKPILE TOPSOIL REQ'D. IN AREAS DESCRIBED ON LANDSCAPING SHEETS.
- (C) SEE SUPERELEVATION DIAGRAMS SHEET DT-1.

UTAH DEPARTMENT OF TRANSPORTATION		REGION ONE, OGDEN ROADWAY DESIGN		DESIGN RJ 7/01		CHECK BK 8/01		REVIEW DATE B/01		BY SN	
SR-126, 1800 SOUTH TO 12th STREET, OGDEN		TYPICAL SECTIONS		DRAWN RJ 7/01		CHECK BK 8/01		DATE B/01		BY SN	
PROJECT NUMBER STP-BRF-0126(3)14		APPROVAL DATE 9/01		DESIGNER R. O. O'NEILL		PROJECT DESIGN ENGINEER		DRAWN RJ 7/01		CHECK BK 8/01	
WEBER COUNTY		APPROVED DATE 9/01		DESIGNER R. O. O'NEILL		PROJECT DESIGN ENGINEER		DRAWN RJ 7/01		CHECK BK 8/01	
SHEET NO. TS-6		APPROVED DATE 9/01		DESIGNER R. O. O'NEILL		PROJECT DESIGN ENGINEER		DRAWN RJ 7/01		CHECK BK 8/01	

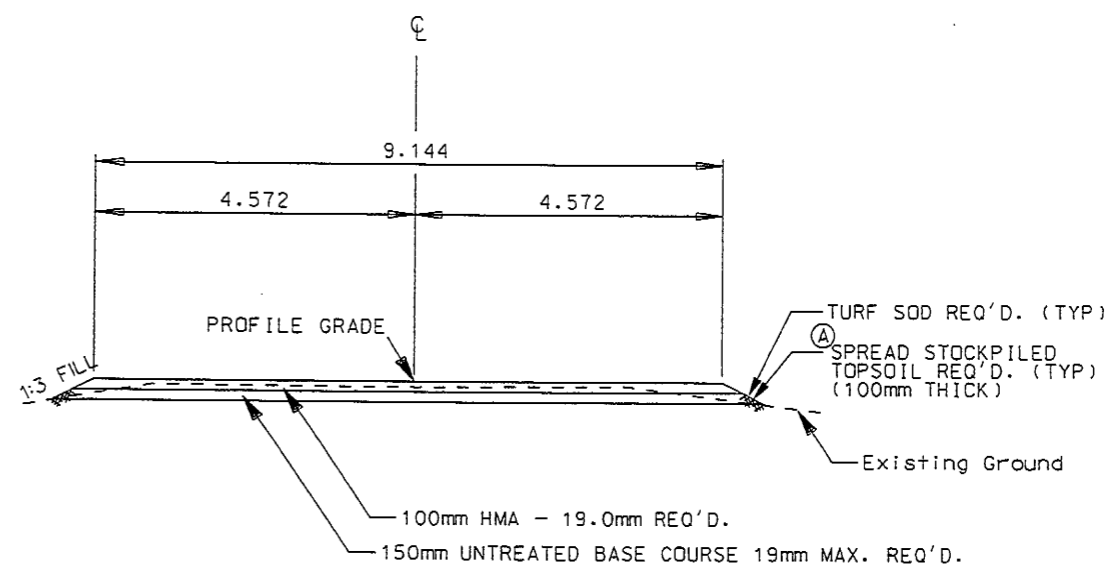
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# TYPICAL SECTIONS



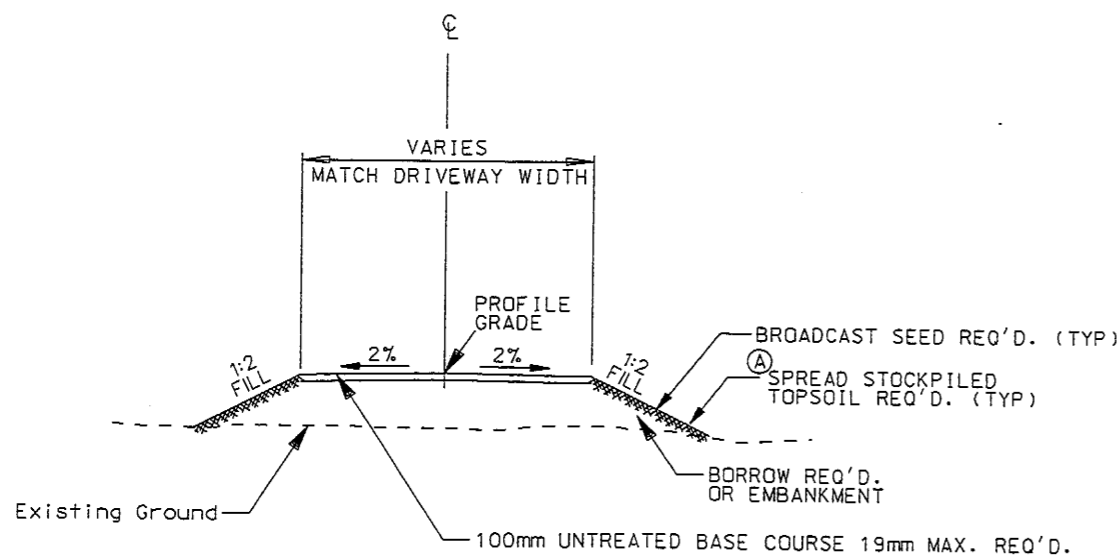
TYPICAL SECTION 17

1869 W Driveway  
STA 3+000.000 TO STA 3+023.100



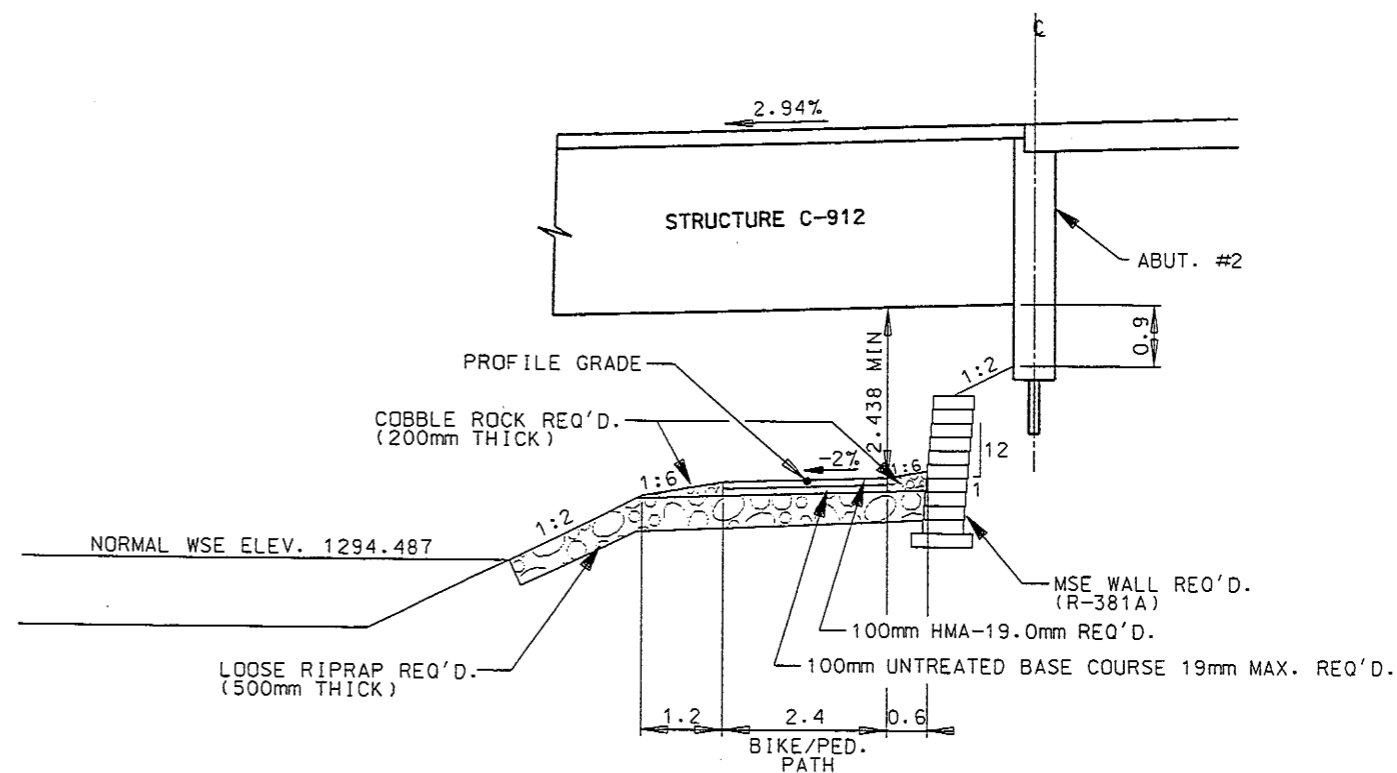
TYPICAL SECTION 18

1872 W Driveway  
STA 5+000.000 TO STA 5+009.400



TYPICAL SECTION 19

Accesses



TYPICAL SECTION 20

Bike/Pedestrian Path  
STA 5+000.000 TO STA 5+071.309

NOTES

- (A) STRIP AND STOCKPILE TOPSOIL REQ'D. IN AREAS DESCRIBED ON LANDSCAPING SHEETS.

UTAH DEPARTMENT OF TRANSPORTATION		REGION ONE, OGDEN		ROADWAY DESIGN	
DESIGN	RJ	7/01	CHECK	BK	8/01
DRAWN	RJ	7/01	CHECK	BK	8/01
QUANT.	RJ	7/01	CHECK	BK	8/01
APPROVAL	R. O. [Signature]		DATE	1/11/01	
PROJECT DESIGN ENGINEER	R. O. [Signature]		DATE	1/11/01	
ROADWAY DESIGN ENGINEER	[Signature]		DATE	1/11/01	
SR-126, 1800 SOUTH	TO 12th STREET, OGDEN		TYPICAL SECTIONS		PROJECT NUMBER
				STP-BRF-0126(3)14	
WEBER COUNTY					
SHEET NO. TS-9					

07-SEP-2001 OGDEN File: H:\Projects\SR126\Drawings\Typical\TS-9.dwg

REMOVE GUARDRAIL REQ'D.  
24+166.136 LT. 9.959 TO  
24+291.261 LT. 6.880

REMOVE TREE REQ'D.  
24+253.826 LT. 23.239  
24+278.372 LT. 27.592

REMOVE FENCE REQ'D.  
24+291.088 LT. 32.172 TO  
24+294.069 LT. 49.499

CONCRETE CURB AND  
GUTTER TYPE B1 REQ'D.  
END 24+280.883 LT. 13.650

STAMPED CONCRETE  
FLATWORK REQ'D.  
END 24+280.883 LT. 13.650

CONC. SIDEWALK REQ'D.  
END 24+281.106 LT. 14.850

RIGHT-OF-WAY MARKER REQ'D.

24+124.191 LT. 46.278  
24+124.301 LT. 43.242  
24+290.826 LT. 49.352  
24+295.884 LT. 49.574

COBBLE ROCK REQ'D.

BEGIN 24+270.089 LT. 16.050  
END 24+282.980 LT. 16.185

1.8 M CHAIN LINK  
FENCE TYPE II REQ'D.

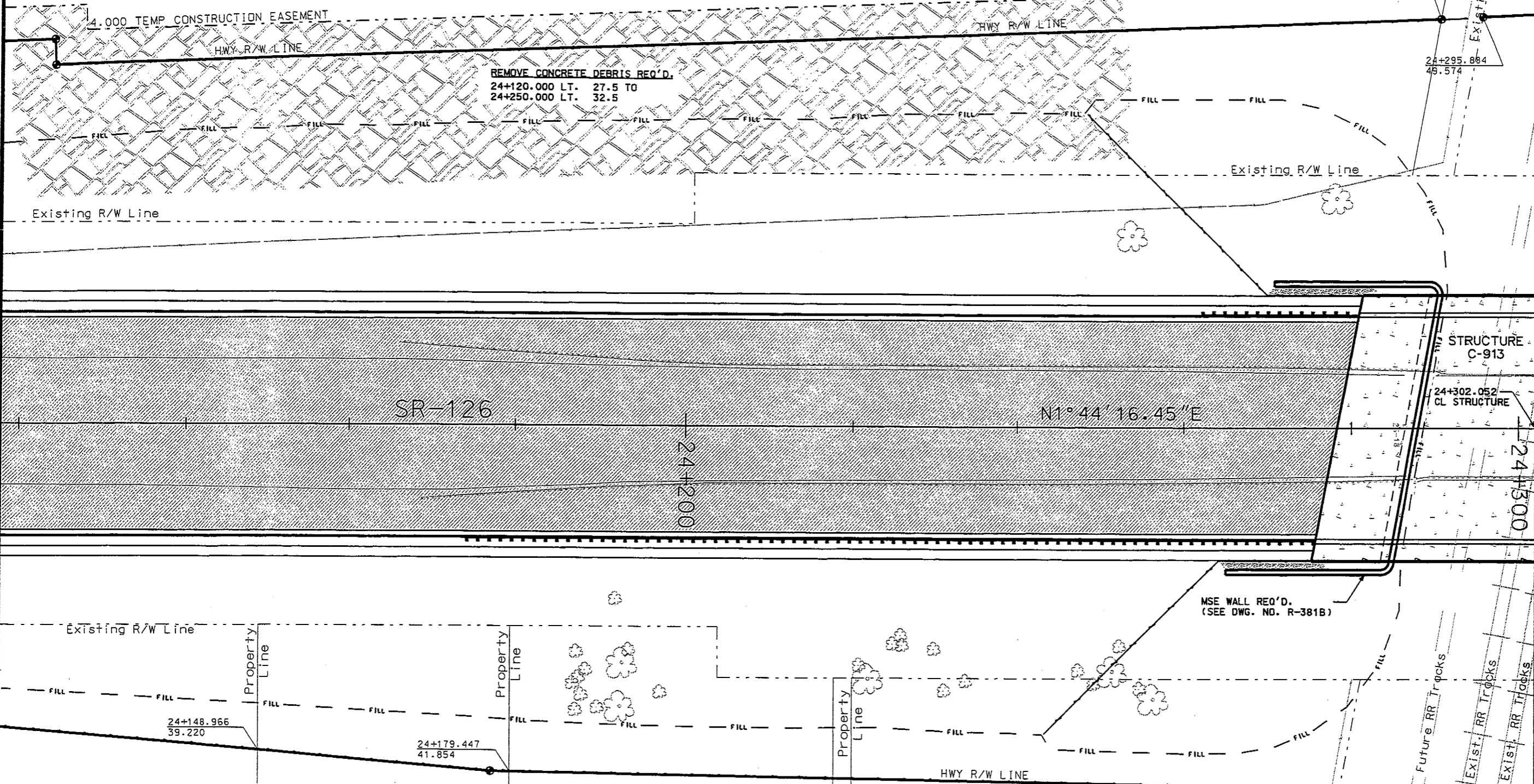
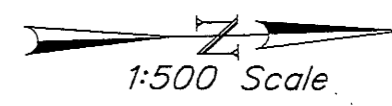
BEGIN 24+124.298 LT. 43.340  
END 24+294.069 LT. 49.499  
BEGIN 24+248.347 LT. 37.835  
24+270.084 LT. 16.110  
END 24+281.340 LT. 16.110  
(CONNECT TO FENCE ON STRUCTURE)

BEAM GUARDRAIL REQ'D.

BEGIN 24+262.000 LT. 13.650  
(FLARED END SECTION)  
END 24+273.287 LT. 13.783

GUARDRAIL TRANSITION ELEMENT REQ'D.

24+273.287 LT. 13.783  
(SEE SHEET DT-3)



REMOVE GUARDRAIL REQ'D.  
24+168.922 RT. 8.906 TO  
24+287.428 RT. 6.194

REMOVE TREE REQ'D.  
24+192.323 RT. 33.674  
24+192.585 RT. 28.487  
24+221.855 RT. 30.446  
24+251.481 RT. 29.507  
24+256.359 RT. 32.979

REMOVE FENCE REQ'D.  
24+277.747 RT. 43.279 TO  
24+279.964 RT. 30.353

END SECTION TYPE G REQ'D.  
24+174.000 RT. 14.088

BEAM GUARDRAIL REQ'D.  
BEGIN 24+189.250 RT. 13.783  
END 24+268.171 RT. 13.783

GUARDRAIL TRANSITION ELEMENT REQ'D.  
24+268.171 RT. 13.783  
(SEE SHEET DT-3)

CONCRETE SIDEWALK REQ'D.  
END 24+275.594 RT. 14.850

CONCRETE CURB AND  
GUTTER TYPE B1 REQ'D.  
END 24+275.817 RT. 13.650

STAMPED CONCRETE  
FLATWORK REQ'D.  
END 24+275.817 RT. 13.650

1.8 M CHAIN LINK  
FENCE TYPE II REQ'D.  
24+177.145 RT. 41.656  
BEGIN 24+243.224 RT. 36.987  
24+264.124 RT. 16.110  
END 24+275.360 RT. 16.110  
(CONNECT TO FENCE ON STRUCTURE)  
END 24+277.669 RT. 43.348

COBBLE ROCK REQ'D.  
BEGIN 24+264.124 RT. 16.050  
END 24+276.948 RT. 16.185

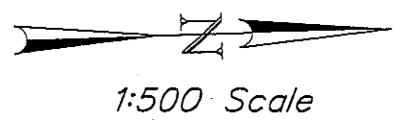
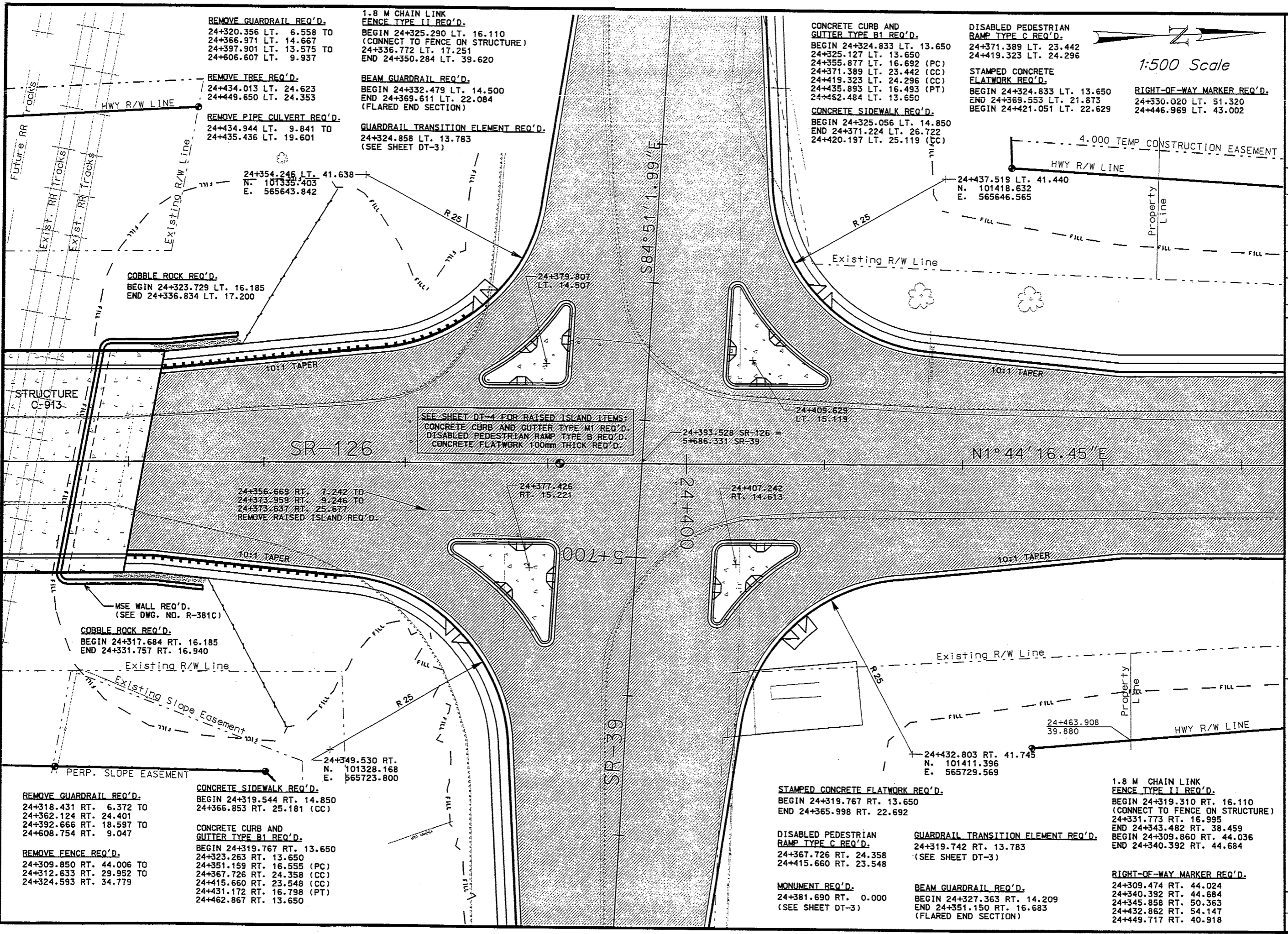
RIGHT-OF-WAY MARKER REQ'D.  
24+177.176 RT. 41.657  
24+278.556 RT. 43.363

RIVERSIDE INDUSTRIAL PARK

UTAH DEPARTMENT OF TRANSPORTATION REGION ONE, OGDEN ROADWAY DESIGN				DESIGN	RJ	7/01	CHECK	BK	8/01	REVIEW		DATE	BY	SN
SR-126, 1800 SOUTH TO 12th STREET, OGDEN PLAN SHEET				DRAWN	RJ	7/01	CHECK	BK	8/01	DATE	8/01			
PROJECT NUMBER STP-BRF-0126(3)14				APPROVED	9/20/01		DATE	9/20/01		DATE				
WEBER COUNTY				APPROVAL RECOMM.	9/20/01		DATE	9/20/01		DATE				
SHEET NO. RD-3				APPROVED	9/20/01		DATE	9/20/01		DATE				
REVISIONS														

9/25/01-2003  
G:\01 - File: H:\Users\jham172\GWS\Jesed\FacARD\_sheets\3\plan.dwg

04-CEP-2001  
044 EIR (15) CIVIL/1272-001/Sheet - Plan 80 - submittal/plan.dwg



UTAH DEPARTMENT OF TRANSPORTATION		REGION ONE, OGDEN		ROADWAY DESIGN	
DESIGN	RJ	7/01	CHECK	BK	8/01
DRAWN	RJ	7/01	CHECK	BK	8/01
QUANT.	RJ	7/01	CHECK	BK	8/01
BY			BY		
DATE	9/10/01	DATE	9/10/01	DATE	9/10/01
APPROVAL	<i>[Signature]</i>	PROJECT DESIGN ENGINEER			
APPROVED	<i>[Signature]</i>	ROADWAY DESIGN ENGINEER			
SR-126, 1800 SOUTH TO 12th STREET, OGDEN					
PLAN SHEET					
PROJECT NUMBER STP-BRF-0126(3)/4					
WEBER COUNTY					
SHEET NO. RD-4					

REMOVE GUARDRAIL REQ'D.  
24+320.356 LT. 6.558 TO  
24+366.971 LT. 14.667  
24+397.901 LT. 13.575 TO  
24+606.607 LT. 9.937

REMOVE TREE REQ'D.  
24+434.013 LT. 24.623  
24+449.650 LT. 24.353

REMOVE PIPE CULVERT REQ'D.  
24+434.944 LT. 9.841 TO  
24+435.436 LT. 19.601

COBBLE ROCK REQ'D.  
BEGIN 24+323.729 LT. 16.185  
END 24+336.834 LT. 17.200

1.8 M CHAIN LINK  
FENCE TYPE II REQ'D.  
BEGIN 24+325.290 LT. 16.110  
(CONNECT TO FENCE ON STRUCTURE)  
24+336.772 LT. 17.251  
END 24+350.284 LT. 39.620

BEAM GUARDRAIL REQ'D.  
BEGIN 24+332.479 LT. 14.500  
END 24+369.611 LT. 22.084  
(FLARED END SECTION)

GUARDRAIL TRANSITION ELEMENT REQ'D.  
24+324.858 LT. 13.783  
(SEE SHEET DT-3)

24+354.246 LT. 41.638  
N. 101335.403  
E. 565643.842

24+356.669 RT. 7.242 TO  
24+373.959 RT. 9.246 TO  
24+373.637 RT. 25.677  
REMOVE RAISED ISLAND REQ'D.

MSE WALL REQ'D.  
(SEE DWG. NO. R-381C)

COBBLE ROCK REQ'D.  
BEGIN 24+317.684 RT. 16.185  
END 24+331.757 RT. 16.940

PERP. SLOPE EASEMENT

REMOVE GUARDRAIL REQ'D.  
24+318.431 RT. 6.372 TO  
24+362.124 RT. 24.401  
24+392.666 RT. 18.597 TO  
24+608.754 RT. 9.047

REMOVE FENCE REQ'D.  
24+309.850 RT. 44.006 TO  
24+312.633 RT. 29.952 TO  
24+324.593 RT. 34.779

CONCRETE SIDEWALK REQ'D.  
BEGIN 24+319.544 RT. 14.850  
24+366.853 RT. 25.181 (CC)

CONCRETE CURB AND  
GUTTER TYPE B1 REQ'D.  
BEGIN 24+319.767 RT. 13.650  
24+323.263 RT. 13.650  
24+351.159 RT. 16.555 (PC)  
24+367.726 RT. 24.358 (CC)  
24+415.660 RT. 23.548 (CC)  
24+431.172 RT. 16.798 (PT)  
24+462.867 RT. 13.650

SEE SHEET DT-4 FOR RAISED ISLAND ITEMS:  
CONCRETE CURB AND GUTTER TYPE M1 REQ'D.  
DISABLED PEDESTRIAN RAMP TYPE B REQ'D.  
CONCRETE FLATWORK 100mm THICK REQ'D.

24+393.528 SR-126 =  
5+686.331 SR-39

24+377.426  
RT. 15.221

24+407.242  
RT. 14.613

STAMPED CONCRETE FLATWORK REQ'D.  
BEGIN 24+319.767 RT. 13.650  
END 24+365.998 RT. 22.692

DISABLED PEDESTRIAN  
RAMP TYPE C REQ'D.  
24+367.726 RT. 24.358  
24+415.660 RT. 23.548

MONUMENT REQ'D.  
24+381.690 RT. 0.000  
(SEE SHEET DT-3)

GUARDRAIL TRANSITION ELEMENT REQ'D.  
24+319.742 RT. 13.783  
(SEE SHEET DT-3)

BEAM GUARDRAIL REQ'D.  
BEGIN 24+327.363 RT. 14.209  
END 24+351.150 RT. 16.683  
(FLARED END SECTION)

1.8 M CHAIN LINK  
FENCE TYPE II REQ'D.  
BEGIN 24+319.310 RT. 16.110  
(CONNECT TO FENCE ON STRUCTURE)  
24+331.773 RT. 16.995  
END 24+343.482 RT. 38.459  
BEGIN 24+309.860 RT. 44.036  
END 24+340.392 RT. 44.684

RIGHT-OF-WAY MARKER REQ'D.  
24+309.474 RT. 44.024  
24+340.392 RT. 44.684  
24+345.858 RT. 50.363  
24+432.862 RT. 54.147  
24+449.717 RT. 40.918

CONCRETE CURB AND  
GUTTER TYPE B1 REQ'D.  
BEGIN 24+324.833 LT. 13.650  
24+325.127 LT. 13.650  
24+355.877 LT. 16.692 (PC)  
24+371.389 LT. 23.442 (CC)  
24+419.323 LT. 24.296 (CC)  
24+435.893 LT. 16.493 (PT)  
24+462.484 LT. 13.650

DISABLED PEDESTRIAN  
RAMP TYPE C REQ'D.  
24+371.389 LT. 23.442  
24+419.323 LT. 24.296  
STAMPED CONCRETE  
FLATWORK REQ'D.  
BEGIN 24+324.833 LT. 13.650  
END 24+369.553 LT. 21.873  
BEGIN 24+421.051 LT. 22.629

RIGHT-OF-WAY MARKER REQ'D.  
24+330.020 LT. 51.320  
24+446.969 LT. 43.002

4.000 TEMP CONSTRUCTION EASEMENT

24+437.519 LT. 41.440  
N. 101418.632  
E. 565646.565

N1°44'16.45"E

S84°51'1.99"E

24+700

SR-39

SR-126

STRUCTURE  
C-913

HWY R/W LINE

Future RR  
Exist. RR Tracks  
Exist. RR Tracks

Existing R/W Line

Existing R/W Line

Property Line

HWY R/W LINE

Existing R/W Line

Property Line

Existing R/W Line

Existing Slope Easement

10:1 TAPER

10:1 TAPER

10:1 TAPER

10:1 TAPER

R 25

R 25

R 25

R 25

CONCRETE CURB AND  
GUTTER TYPE B1 REQ'D.  
5+973.000 LT. 13.650  
END 5+986.500 LT. 12.752

RIGHT-OF-WAY MARKER REQ'D.  
5+920.000 LT. 28.000  
5+986.500 LT. 14.516  
5+986.500 LT. 23.947

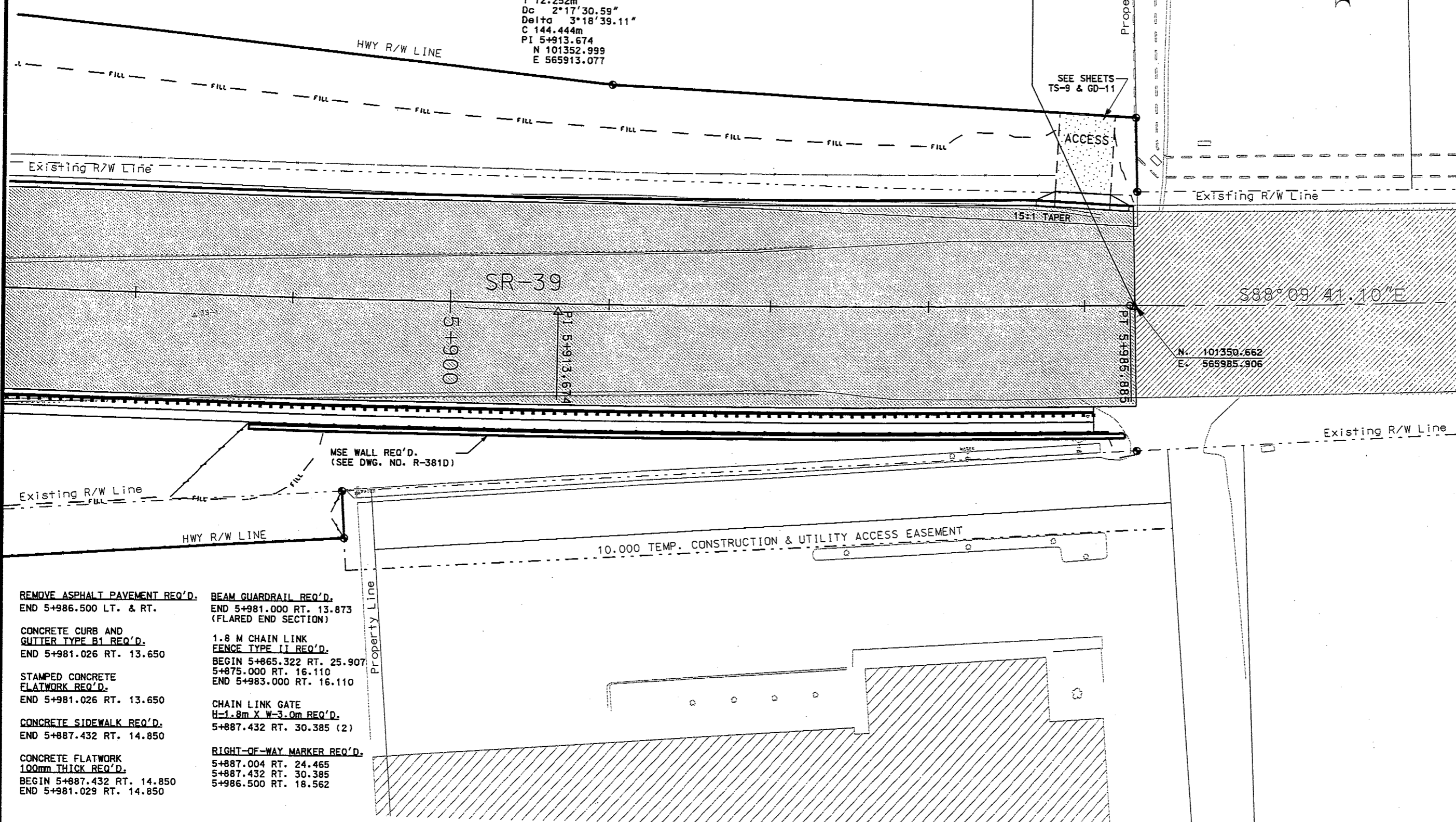
CONCRETE DRIVEWAY  
FLARED 150mm THICK REQ'D.  
5+979.922 LT. 14.400  
(7.32 M WIDE)

**CURVE SR-39**

R 2500.000m  
L 144.464m  
T 72.252m  
Dc 2°17'30.59"  
Delta 3°18'39.11"  
C 144.444m  
PI 5+913.674  
N 101352.999  
E 565913.077

STA. 5+986.500  
CONSTRUCTION LIMITS  
STP-BRF-0126(3)14

1:500 Scale



REMOVE ASPHALT PAVEMENT REQ'D.  
END 5+986.500 LT. & RT.

CONCRETE CURB AND  
GUTTER TYPE B1 REQ'D.  
END 5+981.026 RT. 13.650

STAMPED CONCRETE  
FLATWORK REQ'D.  
END 5+981.026 RT. 13.650

CONCRETE SIDEWALK REQ'D.  
END 5+987.432 RT. 14.850

CONCRETE FLATWORK  
100mm THICK REQ'D.  
BEGIN 5+987.432 RT. 14.850  
END 5+981.029 RT. 14.850

BEAM GUARDRAIL REQ'D.  
END 5+981.000 RT. 13.873  
(FLARED END SECTION)

1.8 M CHAIN LINK  
FENCE TYPE II REQ'D.  
BEGIN 5+865.322 RT. 25.907  
5+875.000 RT. 16.110  
END 5+983.000 RT. 16.110

CHAIN LINK GATE  
H=1.8m X W=3.0m REQ'D.  
5+987.432 RT. 30.385 (2)

RIGHT-OF-WAY MARKER REQ'D.  
5+987.004 RT. 24.465  
5+987.432 RT. 30.385  
5+986.500 RT. 18.562

UTAH DEPARTMENT OF TRANSPORTATION		REGION ONE, OGDEN		ROADWAY DESIGN	
DESIGN	RJ	7/01	REVIEW	BK	8/01
DRAWN	RJ	7/01	CHECK	BK	8/01
QUANT.	RJ	7/01	CHECK	BK	8/01
DATE	7/1/01	DATE	8/7/01	BY	SN
APPROVAL REGIONAL	<i>[Signature]</i>	DATE	7/1/01	APPROVAL PROJECT DESIGN ENGINEER	<i>[Signature]</i>
APPROVAL REGIONAL	<i>[Signature]</i>	DATE	7/1/01	APPROVAL ROADWAY DESIGN ENGINEER	<i>[Signature]</i>
SR-126, 1800 SOUTH		TO 12th STREET, OGDEN		PLAN SHEET	
PROJECT NUMBER		STP-BRF-0126(3)14			
WEBER COUNTY		SHEET NO. RD-II			

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**REMOVE FENCE REQ'D.**  
 1+021.056 LT. 3.188 TO  
 1+069.654 LT. 13.516 TO  
 1+069.098 LT. 19.432

**REMOVE CONCRETE GUTTER REQ'D.**  
 1+024.887 RT. 4.514 TO  
 1+120.000 LT. 6.202

**REMOVE CATCH BASIN REQ'D.**  
 1+097.528 LT. 9.042

**CONCRETE CURB AND GUTTER TYPE B1 REQ'D.**  
 1+016.872 LT. 10.672 (CC)  
 1+024.650 LT. 7.450 (PC)  
 1+036.039 LT. 7.450  
 1+068.749 LT. 6.150  
 1+095.671 LT. 6.150  
 END 1+101.500 LT. 11.094

**STAMPED CONCRETE FLATWORK REQ'D.**  
 BEGIN 1+018.728 LT. 9.180  
 END 1+097.316 LT. 6.283

**CONCRETE SIDEWALK REQ'D.**  
 1+017.720 LT. 11.520 (CC)  
 END 1+034.000 LT. 8.650

**CONCRETE FLATWORK 100mm THICK REQ'D.**  
 BEGIN 1+034.000 LT. 8.650  
 END 1+099.282 LT. 10.814

**CONCRETE GUTTER REQ'D.**  
 BEGIN 1+101.500 LT. 11.094  
 END 4+020.612 LT. 5.450 (1850 WEST)  
 BEGIN 1+120.000 LT. 5.460  
 END 4+020.612 RT. 5.450 (1850 WEST)

**DISABLED PEDESTRIAN RAMP TYPE C REQ'D.**  
 1+099.556 LT. 7.453

**1.8 M CHAIN LINK FENCE TYPE II REQ'D.**  
 BEGIN 1+034.000 LT. 9.910  
 END 1+095.671 LT. 8.610  
 BEGIN 1+034.000 LT. 9.910  
 END 1+035.747 LT. 23.716  
 BEGIN 1+035.747 LT. 23.716  
 1+051.408 LT. 13.042  
 1+063.854 LT. 11.673  
 1+068.992 LT. 12.757  
 END 1+069.262 LT. 19.392

**CHAIN LINK GATE H-1.8 M x W-2.4 M REQ'D.**  
 1+035.747 LT. 23.716 (2)  
 1+069.262 LT. 19.392 (2)

**CURVE ①**  
 R 60.000m  
 L 32.710m  
 T 16.773m  
 Dc 95°29'34.68"  
 Delta 31°14'10.23"  
 C 32.307m  
 PI 1+052.812  
 N 101063.488  
 E 565730.085

**END SECTION TYPE G REQ'D.**  
 1+095.671 LT. 6.283

**BEAM GUARDRAIL REQ'D.**  
 BEGIN 1+018.717 LT. 7.345 (FLARED END SECTION)  
 1+024.650 LT. 7.583  
 1+036.039 LT. 7.583  
 1+068.749 LT. 6.283  
 END 1+095.671 LT. 6.283

**CURVE ⑤**  
 R 12.000m  
 L 6.176m  
 T 3.158m  
 Dc 117°27'53.39"  
 Delta 29°29'16.38"  
 C 6.108m  
 PI 5+004.205  
 N 101103.848  
 E 565764.069

**MOVE MAILBOX REQ'D.**  
 1+098.731 LT. 10.478 (MOVE TO 1+101.167 LT. 12.678)

**ASPHALT CONCRETE DRIVEWAY REQ'D.**  
 4+016.054 LT. 6.212 (1850 WEST) (9.1 M WIDE)

**REMOVE ASPHALT PAVEMENT REQ'D.**  
 4+000.000 TO 4+020.615 LT. & RT.

1:500 Scale

STA. 1+120.000  
 CONSTRUCTION LIMITS  
 STP-BRF-0126(3)14

**CURVE ③**  
 R 29.000m  
 L 6.498m  
 T 3.262m  
 Dc 197°34'17.95"  
 Delta 12°50'14.03"  
 C 6.484m  
 PI 4+008.390  
 N 101097.248  
 E 565775.210

N. 101109.438  
 E. 565773.972

N. 101104.489  
 E. 565787.252

N. 101092.199  
 E. 565791.190

**CURVE ②**  
 R 60.000m  
 L 22.749m  
 T 11.513m  
 Dc 95°29'34.68"  
 Delta 21°43'23.68"  
 C 22.613m  
 PI 1+106.502  
 N 101090.336  
 E 565777.542

**CURVE ④**  
 R 20.000m  
 L 9.925m  
 T 5.067m  
 Dc 286°28'44.03"  
 Delta 28°25'58.00"  
 C 9.823m  
 PI 3+011.821  
 N 101063.218  
 E 565764.582

**REMOVE CONCRETE GUTTER REQ'D.**  
 1+025.118 RT. 15.595 TO  
 1+120.000 RT. 6.209

**REMOVE ASPHALT PAVEMENT REQ'D.**  
 BEGIN 1+093.000 LT. & RT.  
 END 1+120.004 LT. & RT.

**REMOVE CATCH BASIN REQ'D.**  
 1+097.292 RT. 2.776

**REMOVE PIPE CULVERT REQ'D.**  
 1+095.753 RT. 5.712 TO  
 1+097.528 LT. 9.042

**OBTERATE ROAD REQ'D.**  
 BEGIN 1+000.000 LT. & RT.  
 END 1+093.000 LT. & RT.

**COBBLE ROCK REQ'D.**  
 BEGIN 1+018.728 RT. 9.180  
 END 1+073.283 RT. 6.150

**CONCRETE CURB AND GUTTER TYPE B1 REQ'D.**  
 1+016.872 RT. 10.672 (CC)  
 1+024.650 RT. 7.450 (PC)  
 1+036.000 RT. 7.450 TO  
 1+039.000 RT. 7.450  
 END 1+117.998 RT. 6.150

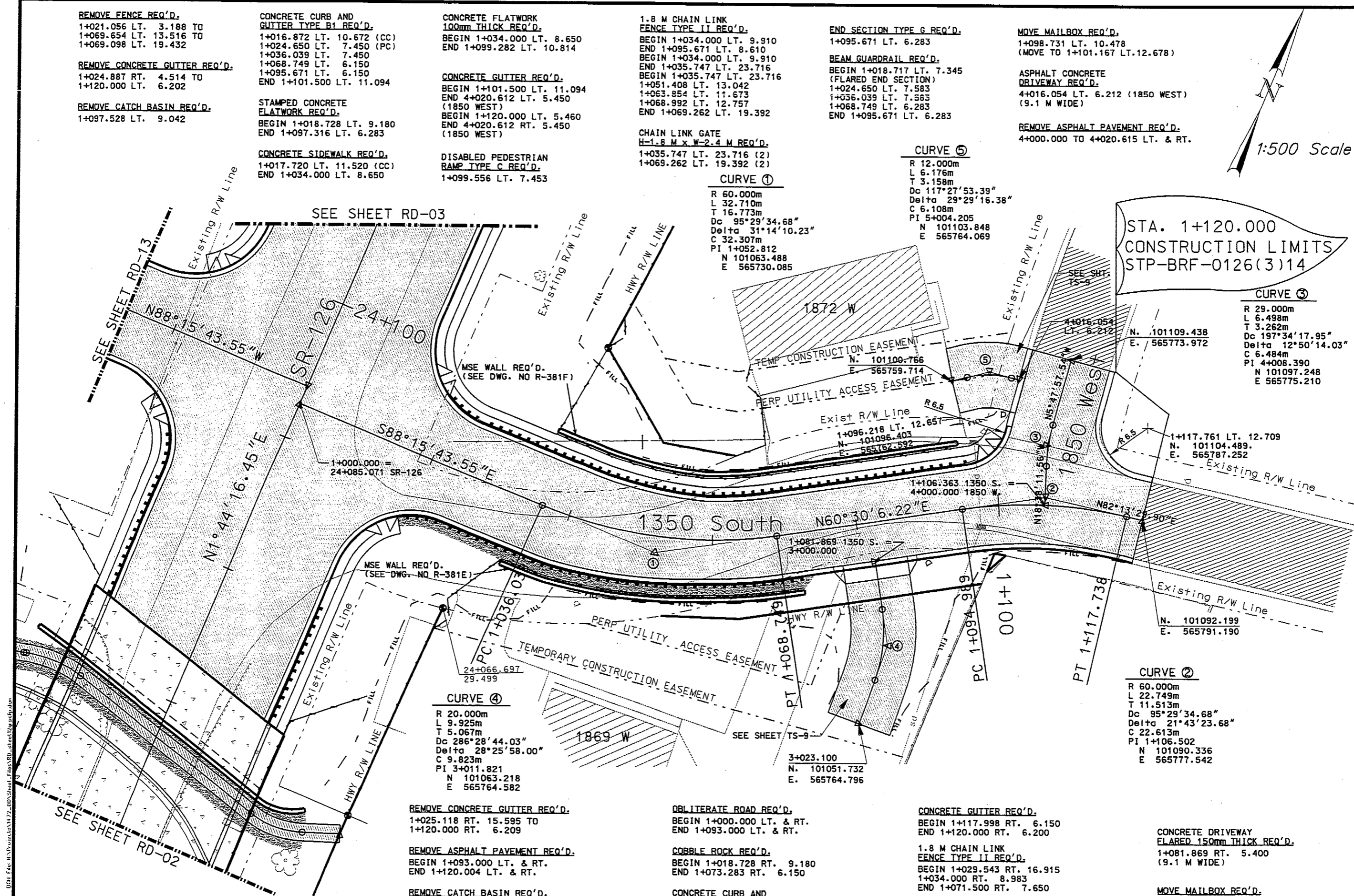
**CONCRETE GUTTER REQ'D.**  
 BEGIN 1+117.998 RT. 6.150  
 END 1+120.000 RT. 6.200

**1.8 M CHAIN LINK FENCE TYPE II REQ'D.**  
 BEGIN 1+029.543 RT. 16.915  
 1+034.000 RT. 8.983  
 END 1+071.500 RT. 7.650

**BEAM GUARDRAIL REQ'D.**  
 BEGIN 1+018.800 RT. 9.292 (FLARED END SECTION)  
 END 1+071.500 RT. 6.283 (FLARED END SECTION)

**CONCRETE DRIVEWAY FLARED 150mm THICK REQ'D.**  
 1+081.869 RT. 5.400 (9.1 M WIDE)

**MOVE MAILBOX REQ'D.**  
 1+044.141 RT. 11.071 (MOVE TO 1+089.267 RT. 6.734)



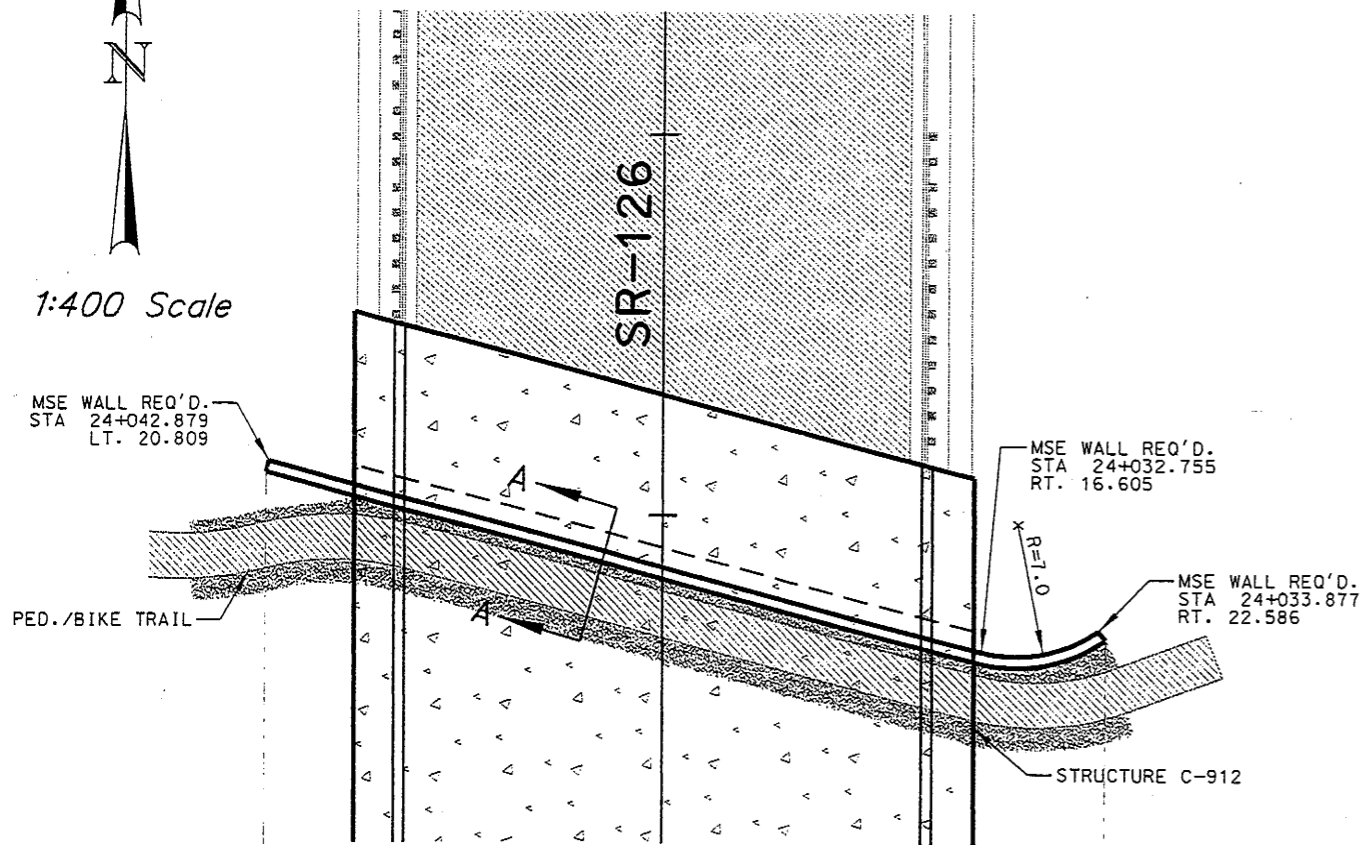
UTAH DEPARTMENT OF TRANSPORTATION		REGION ONE, OGDEN		ROADWAY DESIGN	
APPROVAL	RECORD	DESIGN	REVIEW	CHECK	BY
DATE	DATE	DATE	DATE	DATE	DATE
APPROVED	APPROVED	APPROVED	APPROVED	APPROVED	APPROVED
DATE	DATE	DATE	DATE	DATE	DATE
PROJECT NUMBER	STP-BRF-0126(3)14	PLAN SHEET			
SR-126, 1800 SOUTH		TO 12th STREET, OGDEN		WEBER COUNTY	
SHEET NO. RD-12					

23-AUG-2008  
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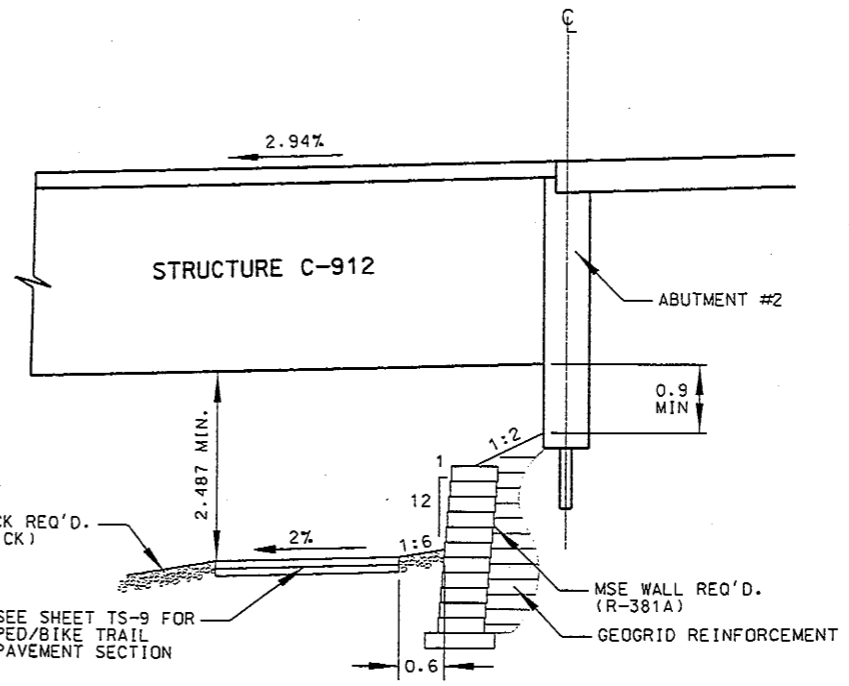
# MSE WALL R-381A



1:400 Scale



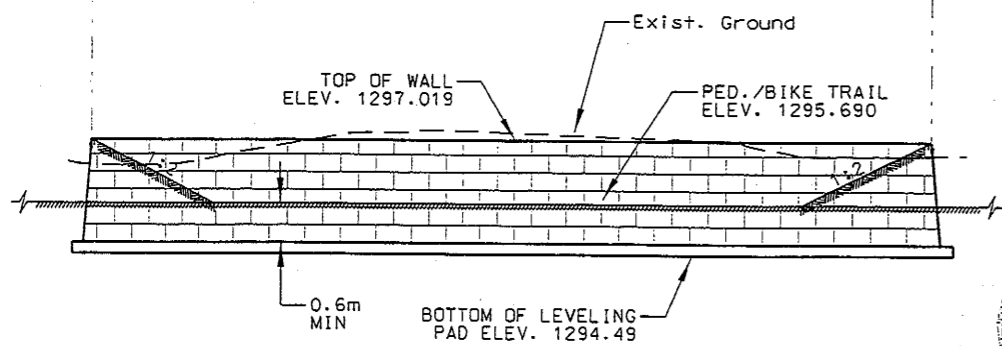
PLAN



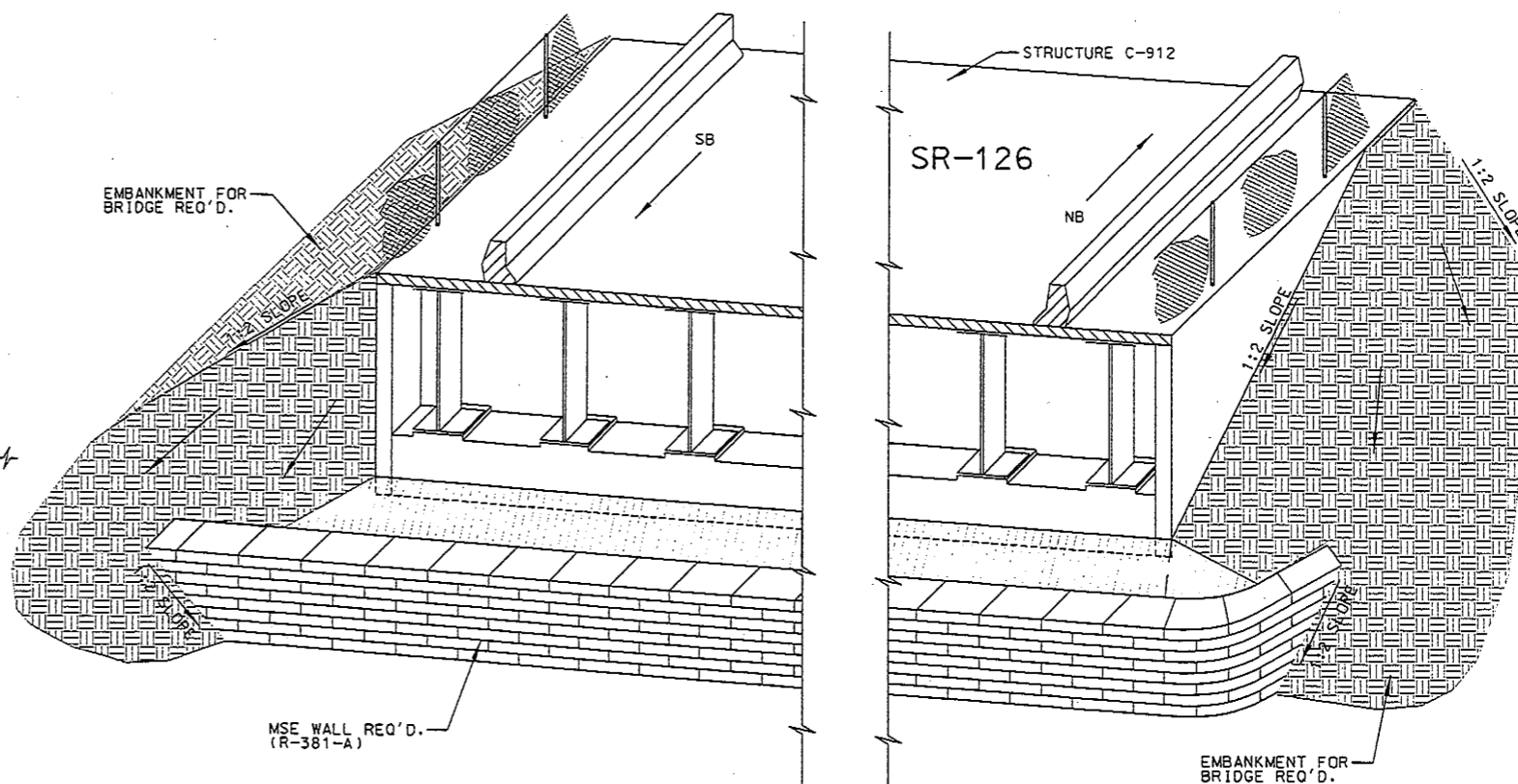
SECTION A-A

**NOTES:**

1. EXCAVATE 1 METER BELOW THE BOTTOM OF LEVELING PAD ELEVATION AND BACKFILL WITH SELECT MATERIAL MEETING THE REQUIREMENTS OF SPECIAL PROVISION 02061M.
2. THE WIDTH OF THIS EXCAVATION WILL BE THE WIDTH OF THE MSE WALL SECTION PLUS 1 METER.
3. THE WATER LEVEL MUST BE KEPT AT LEAST 0.6m BELOW THE EXCAVATION DURING BACKFILLING OPERATIONS.



PROFILE



ISOMETRIC

UTAH DEPARTMENT OF TRANSPORTATION REGION ONE, OGDEN ROADWAY DESIGN		DESIGN	RJ	7/01	CHECK	BK	8/01
SR-126, 1800 SOUTH TO 12TH STREET, OGDEN		DRAWN	RM	7/01	CHECK	RJ	8/01
MSE WALL SITUATION AND LAYOUT		QUANT.	RJ	7/01	CHECK	BK	8/01
PROJECT NUMBER	STP-BRF-0126(3)14	APPROVAL	DATE		DATE		REVISIONS
WEBER COUNTY		APPROVED	9/17/01		DATE		BY
R-381A DRG. NO.		PROJECT DESIGN ENGINEER	R. O. O'NEILL		DATE		NO.
SHT. 1 OF 3		PROJECT DESIGN ENGINEER	S. W. WILSON		DATE		DATE

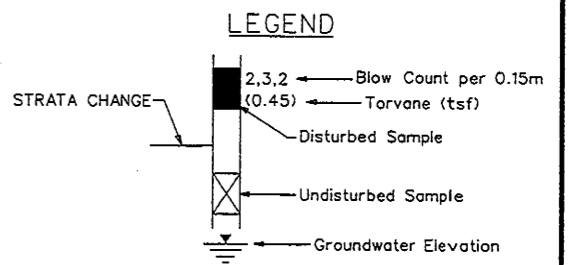
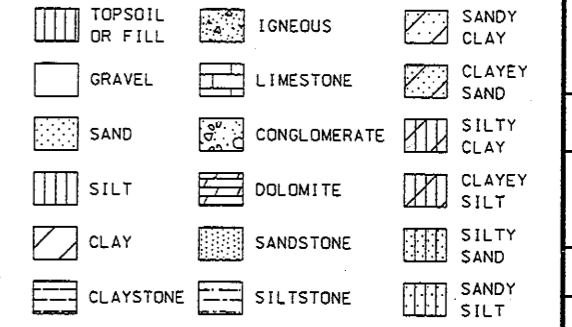
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DRILL HOLE LOG		PROJECT: OGDEN SR-126 1800 SOUTH TO 12TH STREET PROJECT NO.: 200028.000					
BORING NO. S-6		CLIENT: UTAH DEPARTMENT OF TRANSPORTATION DATE: 12/20/00 TO 1/2/01					
		LOCATION: SR-126 STA. 24+047.35 LT. 13.01 ELEVATION: 1297.28m					
		DRILLER: B. HARTLEY LOGGED BY: M. HANSEN/J. BOONE					
		EQUIP./DRILL METHOD: CME-55 / N.W. CASING					
		DEPTH TO WATER - INITIAL: 2.74m AFTER 24 HOURS: 3.96m					
Elev. (m)	Depth (m)	Lithology	USCS (AASHTO)	Material Description	Blows Per 152mm	Alter. Gradation	Other Tests
1295	1	SP-SM	SP-SM	SP-SM, moist, dense (GRAVEL W/SAND)	24.27, 13		
	5	SM	SM	brown, moist SAND W/SILT	2.1, 1		
	10	SM	SM	brown, slightly moist, very loose SILTY SAND W/TRACE GRAVEL	5.3, 4	10.0	14 57 29
	15	GP	GP	gray-brown, wet, very loose GRAVEL W/SAND	4.2, 2	18.1	
	20	GP	GP	gray-brown, wet, very loose GRAVEL W/SAND	3.4, 4		
	25	SM	SM	dk. brown-gray, wet, very loose SILTY SAND	4.2, 2		
	30	GP	GP	gray-brown, wet, med. dense GRAVEL W/SAND	0.11	31.3	
	35	CL	CL	gray-brown, moist, firm LEAN CLAY W/SILTY SAND LENSES AND LAYERS	13.16, 4	25.3	
	40	CL	CL	gray-brown, moist, firm LEAN CLAY W/SILTY SAND LENSES AND LAYERS	2.2, 2		
	45	CL	CL	gray-brown, moist, firm LEAN CLAY W/SILTY SAND LENSES AND LAYERS	0.30		
	50	CL	CL	gray-brown, moist, firm LEAN CLAY W/SILTY SAND LENSES AND LAYERS	0/305mm, 4		
	55	CL	CL	gray-brown, moist, firm LEAN CLAY W/SILTY SAND LENSES AND LAYERS	0.57		
	60	CL	CL	gray-brown, moist, firm LEAN CLAY W/SILTY SAND LENSES AND LAYERS	0/457mm, 0.32	36.4, 39, 18, 2, 9, 89	
	65	CL	CL	gray-brown, moist, firm LEAN CLAY W/SILTY SAND LENSES AND LAYERS	0.46	33.2	
	70	CL	CL	gray-brown, moist, firm LEAN CLAY W/SILTY SAND LENSES AND LAYERS	3.3, 3		
	75	CL	CL	gray-brown, moist, firm LEAN CLAY W/SILTY SAND LENSES AND LAYERS	0.40		
	80	CL	CL	gray-brown, moist, firm LEAN CLAY W/SILTY SAND LENSES AND LAYERS	0.39	32.9, 4.3, 21, 0, 3, 97	
	85	SM	SM	gray-brown, wet, firm to med. dense SILTY SAND	15.18, 12	31.2	
	90	CL	CL	gray-brown, moist, stiff INTERBEDDED LENSES AND LAYERS OF LEAN CLAY AND SILTY SAND 50mm TO 300mm THICK	0.41		
	95	CL	CL	gray-brown, moist, stiff INTERBEDDED LENSES AND LAYERS OF LEAN CLAY AND SILTY SAND 50mm TO 300mm THICK	0.55	13.1, 36.1, 4.5, 23, 0, 29, 71	CT UC
	100	CL	CL	gray to gray-brown, moist to wet, stiff INTERBEDDED LENSES AND LAYERS OF LEAN CLAY AND SILTY SAND 25mm TO 230mm THICK	4.7, 3	33.8	
	105	CL	CL	gray to gray-brown, moist to wet, stiff INTERBEDDED LENSES AND LAYERS OF LEAN CLAY AND SILTY SAND 25mm TO 230mm THICK	0.49		
	110	CL	CL	gray-brown, moist, firm SILTY SAND	14.6	27.4, 42, 22, 0, 11, 89	
	115	CL	CL	gray-brown, moist, firm SILTY SAND	3.3, 8	29.1, NP, 0, 44, 56	
	120	CL	CL	gray-brown, moist to wet, firm INTERBEDDED LENSES AND LAYERS OF LEAN CLAY AND SILTY SAND 25mm TO 230mm THICK	0.56	28.4	
	125	CL	CL	gray-brown, moist to wet, stiff INTERBEDDED LENSES AND LAYERS OF LEAN CLAY AND SILTY SAND 25mm TO 230mm THICK	2.4, 4		
	130	CL	CL	gray-brown, moist to wet, stiff INTERBEDDED LENSES AND LAYERS OF LEAN CLAY AND SILTY SAND 25mm TO 230mm THICK	0.66		
	135	CL	CL	gray-brown, moist, firm LEAN CLAY W/SILTY SAND LENSES AND LAYERS	13.3	33.1, 33.4	
	140	CL	CL	gray-brown, moist, firm LEAN CLAY W/SILTY SAND LENSES AND LAYERS	0.59		
	145	CL	CL	gray-brown, moist, firm LEAN CLAY W/SILTY SAND LENSES AND LAYERS	2.2, 4	37.3	
	150	CL	CL	gray-brown, moist, firm LEAN CLAY W/SILTY SAND LENSES AND LAYERS	0.43		
	155	CL	CL	dk. gray to black, moist, stiff FAT CLAY	13.2	34.8, 58, 32, 0, 3, 97	UC
	160	CL	CL	gray-brown, moist to very moist LEAN CLAY AND SILTY SAND LAYERS	0.86		
	165	CL	CL	gray-brown, moist to very moist LEAN CLAY AND SILTY SAND LAYERS	0.89		
	170	CL	CL	gray-brown, moist to very moist LEAN CLAY AND SILTY SAND LAYERS	4.13, 12		
	175	SM	SM	gray-brown, wet, very dense SILTY SAND W/SILT LENSES AND LAYERS	0.85		
	180	SM	SM	gray-brown, wet, very dense SILTY SAND W/SILT LENSES AND LAYERS	13.20, 32		
	185	SP-SM	SP-SM	gray-brown, wet, very dense INTERBEDDED LAYERS OF SILTY SAND AND SAND W/SILT	17.29, 41	21.3	NP, 0, 89, 11
	190	SP-SM	SP-SM	gray-brown, wet, very dense SAND W/SILT	23.33, 31	21.9	NP, 1, 90, 9
	195	CL	CL	green-gray, moist, stiff CLAY W/SILTY SAND LENSES	20.30, 34		
	200	SM	SM	dk. gray, wet, very dense SILTY SAND	0.76		
	205	CL	CL	gray-brown, moist, stiff SILT W/SAND AND CLAY LENSES	16.26, 29		
	210	CL	CL	gray-brown, moist to wet, stiff SAND W/CLAY LAYERS	5.2, 3	26.9, 28, 5, 0, 23, 77	CT UC
	215	CL	CL	gray-brown, moist to wet, stiff SAND W/CLAY LAYERS	0.51		
	220	SP-SM	SP-SM	dk. gray, wet, very dense SAND W/SILT	17.29, 41	21.0	NP, 1, 90, 9

**KEY TO DRILLING LOG**  
 RELATIVE DENSITY (NON-PLASTIC SAND & SILT)  
 VERY LOOSE - N LESS THAN 4  
 LOOSE - N 4 TO 10  
 MEDIUM - N 10 TO 30  
 DENSE - N 30 TO 50  
 VERY DENSE - N MORE THAN 50

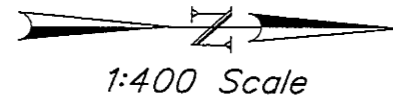
CONSISTENCY (PLASTIC - SILT & CLAY)  
 VERY SOFT - N LESS THAN 2  
 SOFT - N 2 TO 4  
 MEDIUM - N 4 TO 8  
 STIFF - N 8 TO 15  
 VERY STIFF - N 15 TO 30  
 HARD - N MORE THAN 30



**ABBREVIATIONS**  
 UC = Unconfined Compression test  
 CT = Consolidation Test  
 SG = Specific Gravity Test  
 VS = Vane Shear Test

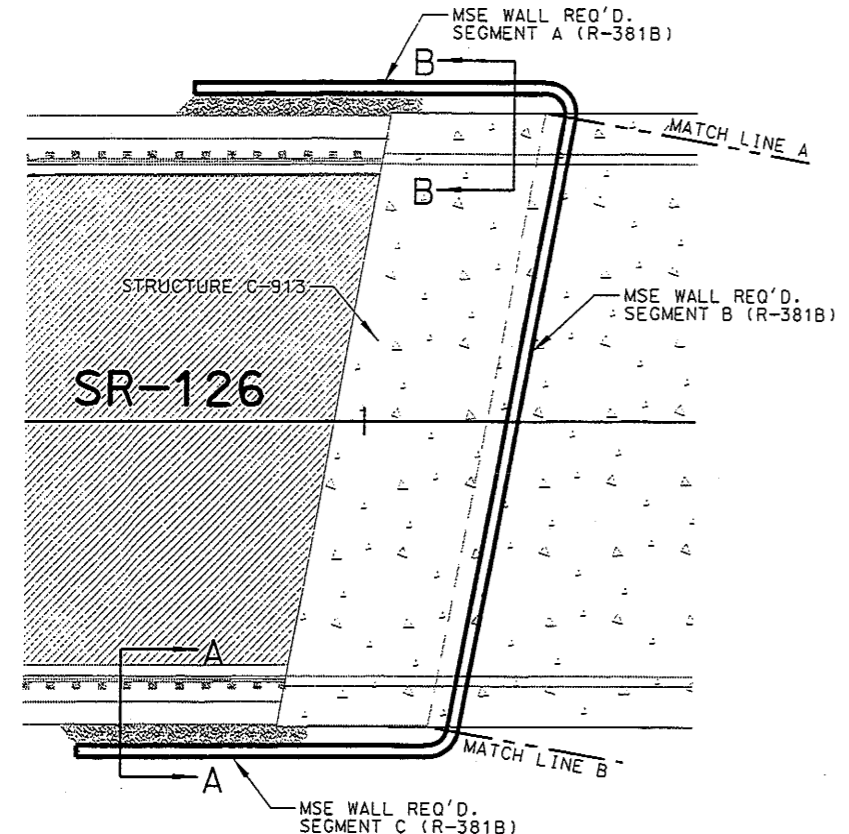
- GENERAL NOTES**
- THE SUBGRADE SURFACE EXPLORATIONS SHOWN WERE CONDUCTED ON AUG-19-99 BY UTAH DEPT. OF TRANSP. AND RB&G ENGINEERING.
  - THESE DRILL LOGS REPRESENT A SYNOPSIS OF THE SOIL DEPOSITS ENCOUNTERED WITHIN EACH 89 mm DIAMETER BORING AND ARE BASED ON SOUND GEOLOGICAL AND ENGINEERING JUDGEMENT. BECAUSE SOIL IS A COMPLEX MEDIUM, THESE DRILL LOGS MAY OR MAY NOT REPRESENT THE SOIL CONDITIONS AT THIS SITE. THIS SUBSURFACE INTERPRETATION IS PRESENTED IN GOOD FAITH AND IS NOT INTENDED AS A SUBSTITUTE FOR PERSONAL INVESTIGATION AND JUDGEMENT OF THE CONTRACTOR.
  - THE WATER LEVELS AND CONDITIONS INDICATED ON THE DRILL LOGS REPRESENT HOLE CONDITIONS ON THE DATE SHOWN, EITHER WITH CASING STILL IN PLACE OR WITH PERFORATED PLASTIC PIPE INSTALLED. IT SHOULD BE NOTED, HOWEVER, THAT AT LOCATIONS AWAY FROM THE TEST HOLES OR AT OTHER TIMES OF THE YEAR THE WATER LEVELS AND CONDITIONS MAY VARY SIGNIFICANTLY.
  - THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES AND TRANSITION MAY BE GRADUAL.
  - COBBLE - A ROCK FRAGMENT WITH AN AVERAGE DIMENSION BETWEEN 76 mm AND 305 mm.
  - BOULDER - A ROCK FRAGMENT WITH AN AVERAGE DIMENSION OF 305 mm OR MORE.

UTAH DEPARTMENT OF TRANSPORTATION SALT LAKE CITY, UTAH STRUCTURES DIVISION		DESIGN: BEP_8/01	CHECK: BEP_8/01
APPROVAL: 9/01 [Signature]		DRAWN: JMM_6/01	CHECK: BEP_8/01
DATE: 9/17/01		QUANT.:	
SR-126, 1800 SOUTH TO 12TH STREET, OGDEN		SOIL DATA	
SR-126 OVER WEBER RIVER		STP-BRF-0126(3)14	
WEBER COUNTY		R-381A	
DRG. NO.		SHT. 3 OF 3	

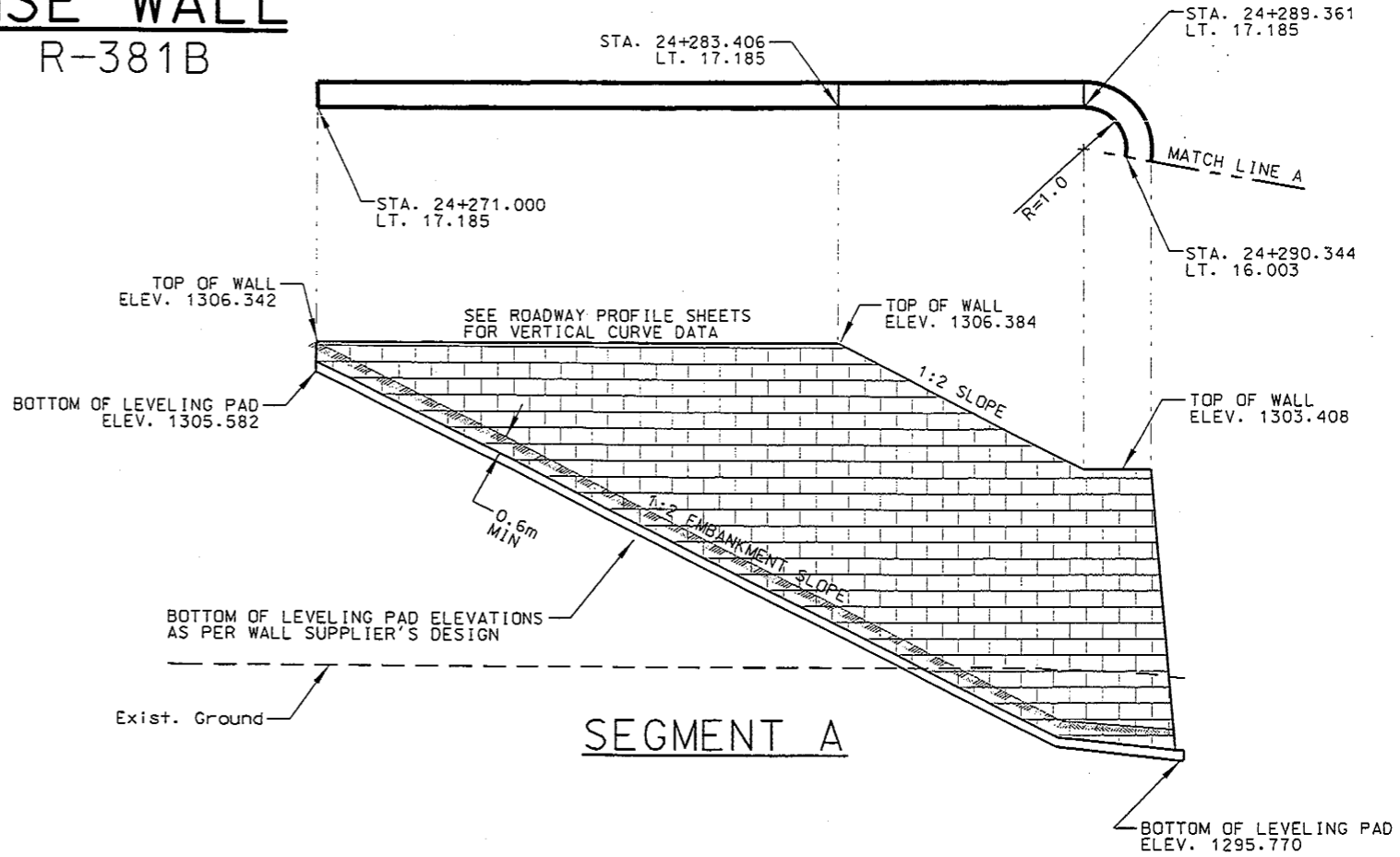


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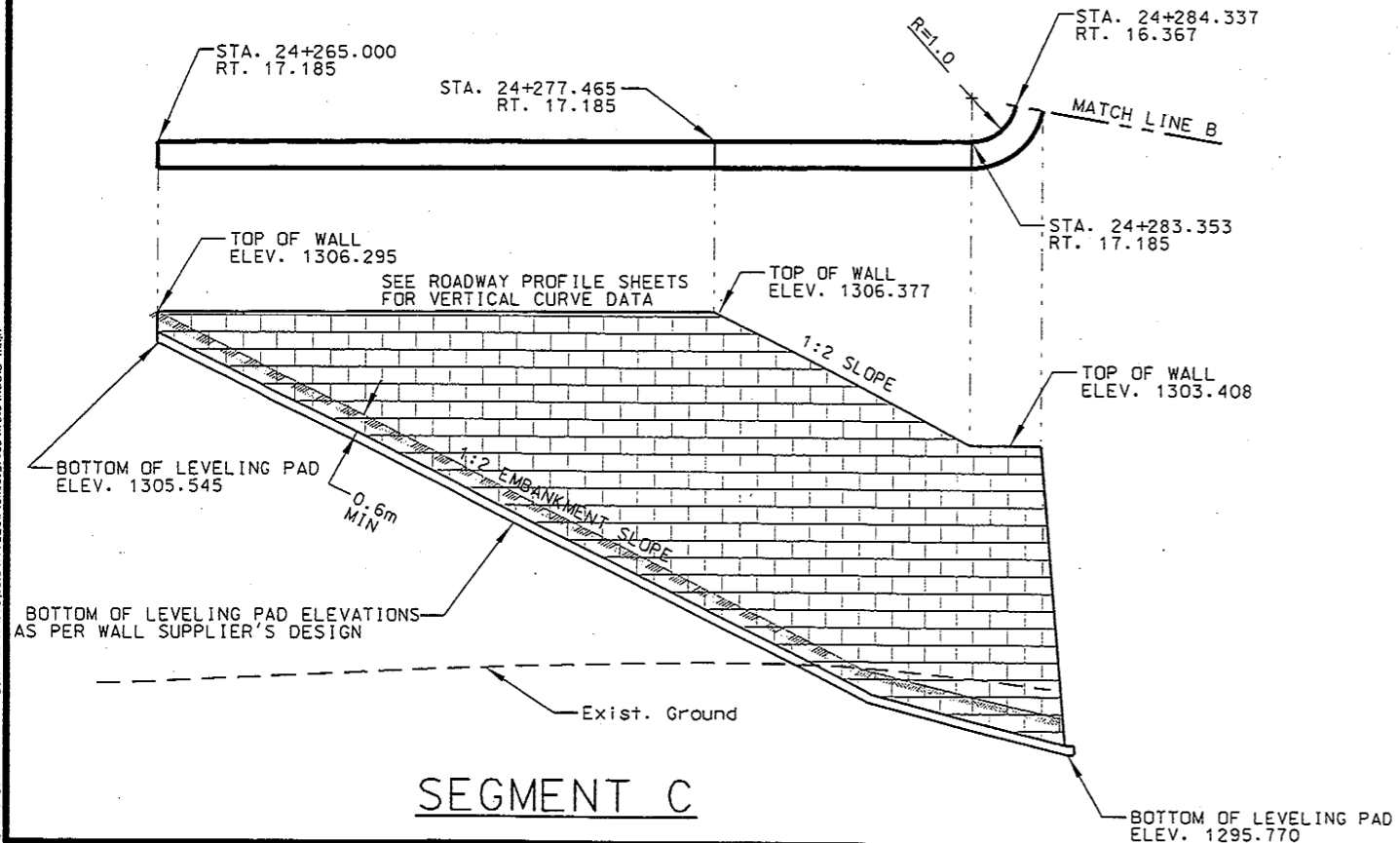
# MSE WALL R-381B



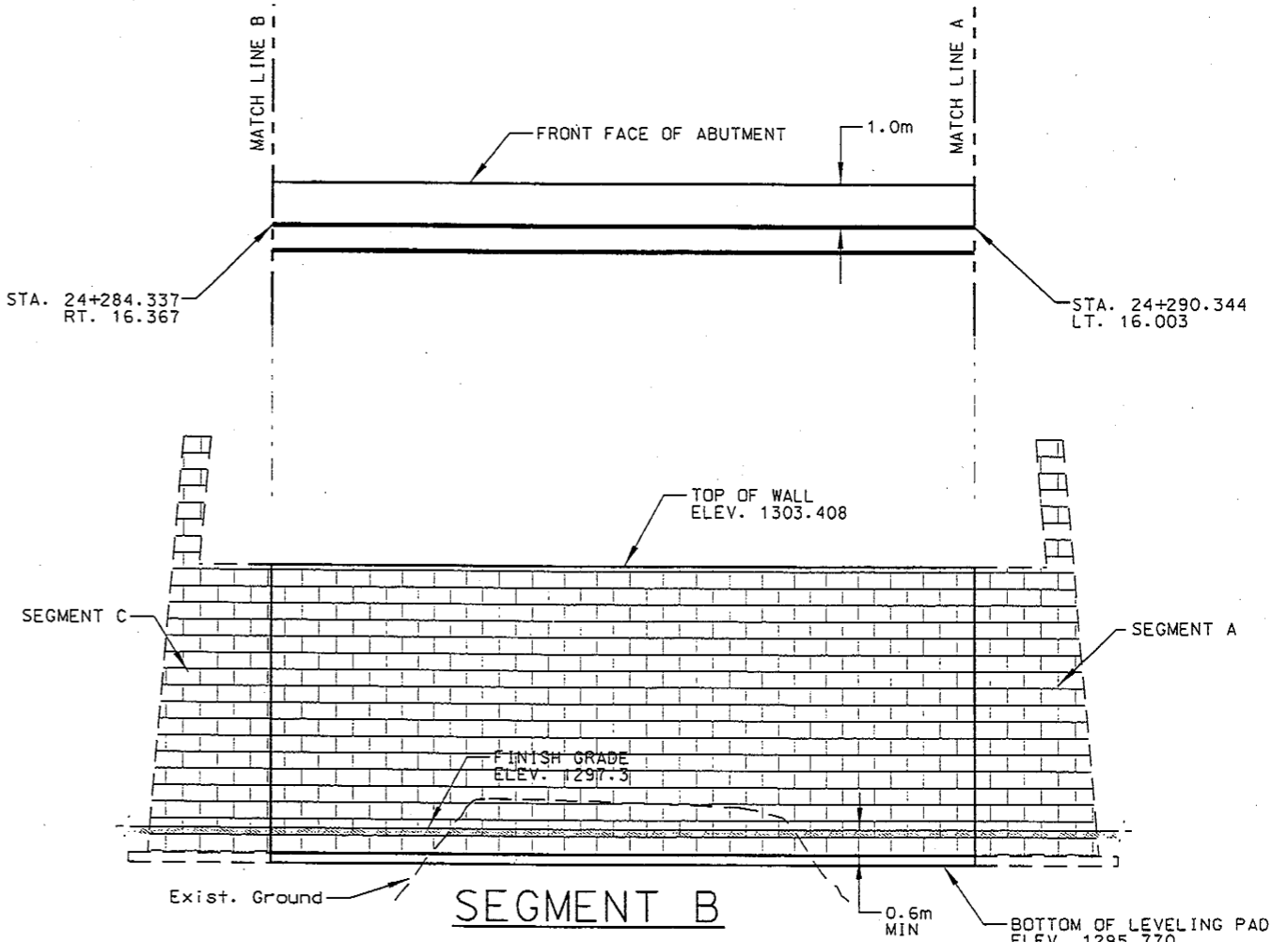
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SEE SHT 2 OF 3 FOR SECTIONS A-A & B-B



**SEGMENT A**



**SEGMENT C**



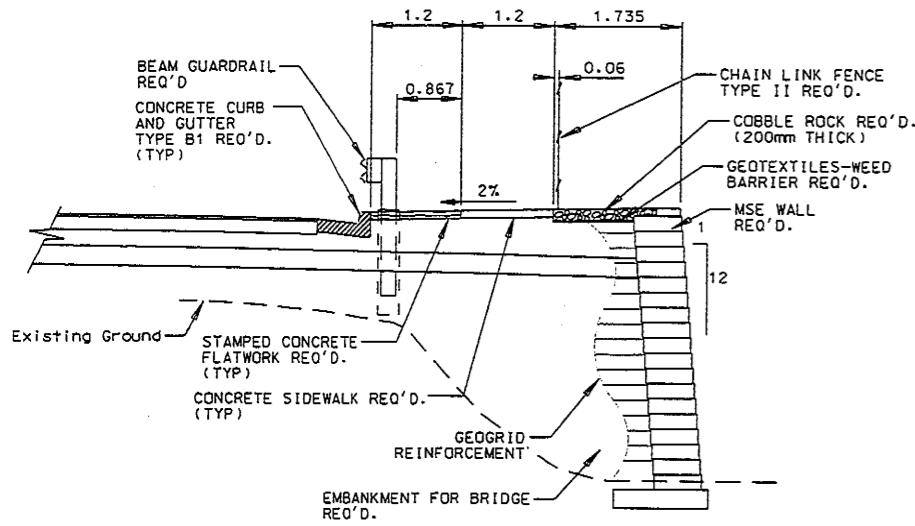
**SEGMENT B**

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QUANT.	RJ	7/01	CHECK	BK	8/01
APPROVAL	DATE		APPROVAL	DATE	
RECORD	7/01		DESIGN ENGINEER	[Signature]	
APPROVED	7/01		PROJECT DESIGN ENGINEER	[Signature]	
			ROADWAY DESIGN ENGINEER	[Signature]	
SR-126, 1800 SOUTH		TO 12TH STREET, OGDEN			
MSE WALL SITUATION AND LAYOUT					
PROJECT NUMBER		STP-BRF-0126(3)14			
WEBER COUNTY					
R-381B DRG. NO.					
SHT. 1 OF 3					

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 21-AUG-2001

# MSE WALL

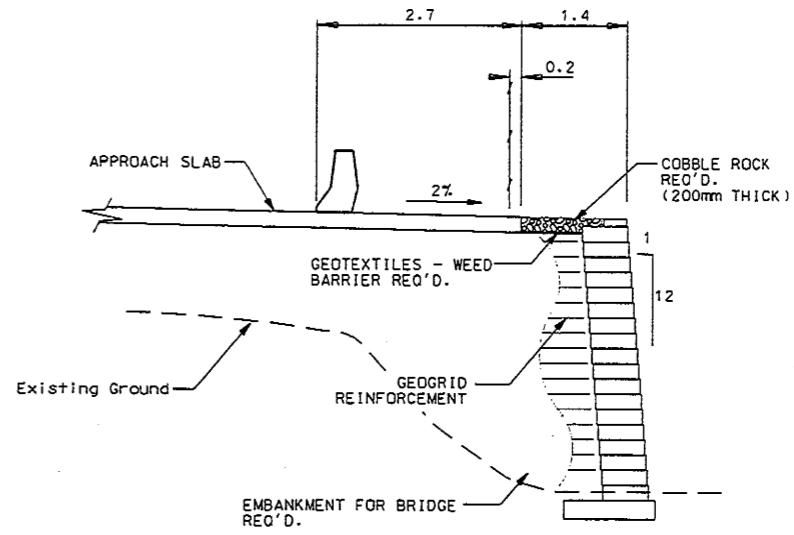
## R-381B



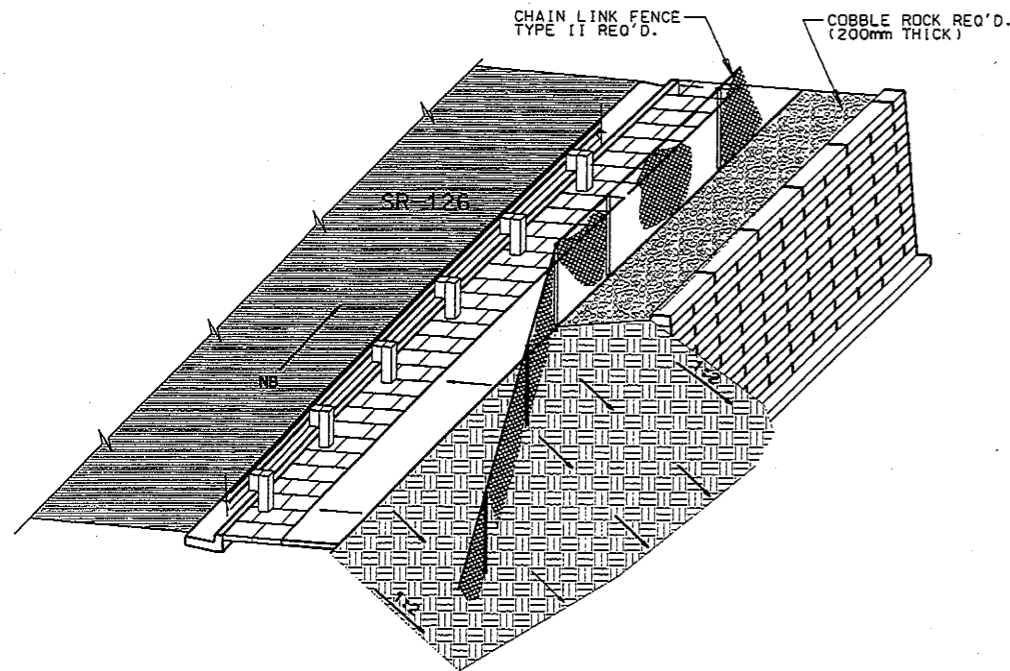
SECTION A-A

**NOTES:**

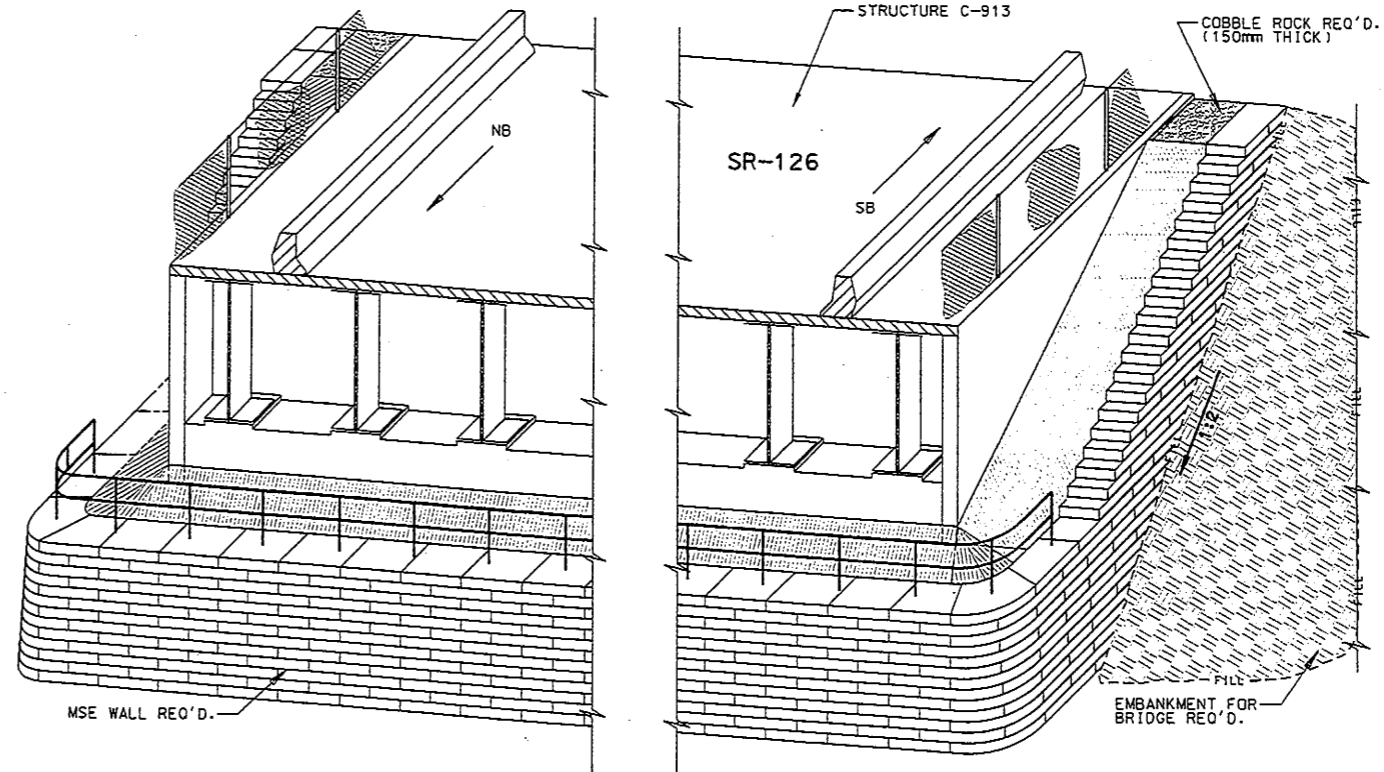
1. EXCAVATE 1 METER BELOW THE BOTTOM OF LEVELING PAD ELEVATION AND BACKFILL WITH SELECT MATERIAL MEETING THE REQUIREMENTS OF SPECIAL PROVISION 02061M.
2. THE WIDTH OF THIS EXCAVATION WILL BE THE WIDTH OF THE MSE WALL SECTION PLUS 1 METER.
3. THE WATER LEVEL MUST BE KEPT AT LEAST 0.6m BELOW THE EXCAVATION DURING BACKFILLING OPERATIONS.



SECTION B-B



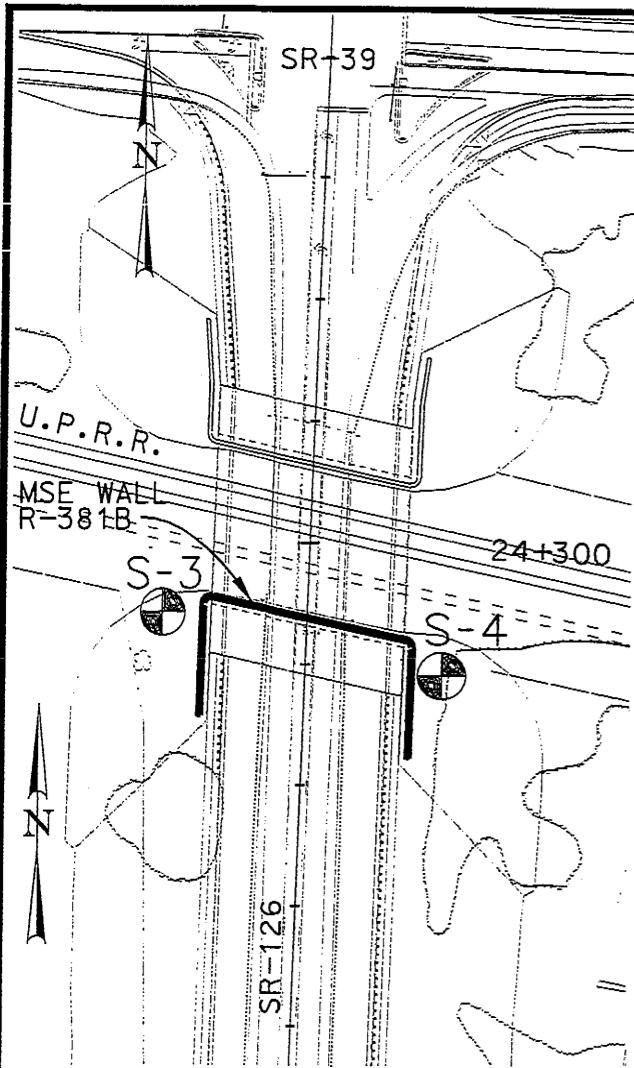
ISOMETRIC



ISOMETRIC

UTAH DEPARTMENT OF TRANSPORTATION REGION ONE, OGDEN ROADWAY DESIGN		DESIGN RJ 7/01	CHECK BK 8/01
SR-126, 1800 SOUTH TO 12TH STREET, OGDEN		DRAWN RM 7/01	CHECK RJ 8/01
MSE WALL SITUATION AND LAYOUT		APPROVED RJ 7/01	CHECK BK 8/01
PROJECT NUMBER STP-BRF-0126(3)14			
WEBER COUNTY			
R-381B DRG. NO.			
SHT. 2 OF 3			

D:\31 File: MVD\projects\172\_00\Sheet\_1\_Plan\WALLR381B-2.dwg 21-AUG-2001



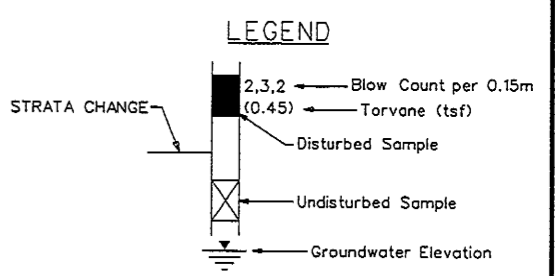
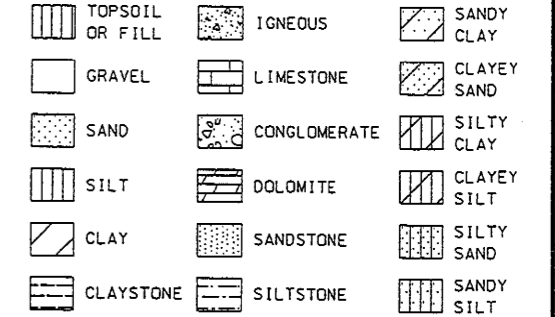
LOCATION MAP

DRILL HOLE LOG														
PROJECT: OGDEN SR-126 1800 SOUTH TO 12TH STREET PROJECT NO.: 200028.000														
CLIENT: UTAH DEPARTMENT OF TRANSPORTATION DATE: 2/13/00 TO 2/16/00														
LOCATION: SR-126 STA. LT. ELEVATION: 1295.72m														
DRILLER: B. HARTLEY LOGGED BY: M. HANSEN/J. BOONE														
EQUIP./DRILL METHOD: CME-55 / N.W. CASING														
DEPTH TO WATER - INITIAL: 1.83m AFTER 24 HOURS: m														
Elev. (m)	Depth (m)	Lith. (Feetology)	Type (Rem.)	Blows Per 152mm	USCS (AASHTO)	Material Description	SPT	UC	Other Tests					
										Alter.	Gradation			
1295	1			4.6,7	CL	dk. brown, moist, med. dense, low plasticity, SANDY LEAN CLAY W/ GRAVEL								
	2			3.4,7	CL (A-613)	CLAYEY SAND W/ GRAVEL AND ORGANICS	17.8	22	12	3	45	52		
	3			22,17,14	GP-GM	GRAVEL W/ SAND AND SILT								
	4			7,7,7	GP-GM	100% water loss								
	5			22,25,26	GP-GM	GRAVEL W/ MED. TO COARSE SAND W/ SILT								
1290	6			0.45	CL	LEAN CLAY W/ BLACK LINES	12.4	40.2	46	23	0	8	92	
	7			12.2	CL	LEAN CLAY W/ FEW VERY THIN SILTY SAND LENSES LESS THAN 1mm THICK	28.4							
	8			0.49	CL	LEAN CLAY W/ FEW VERY THIN SILTY SAND LENSES LESS THAN 1mm THICK	13.8	30.9						
	9			0.61	CL	LEAN CLAY W/ FEW VERY THIN SILTY SAND LENSES LESS THAN 1mm THICK	26.9							
	10			0.71	CL	LEAN CLAY W/ FEW VERY THIN SILTY SAND LENSES LESS THAN 1mm THICK	25.9							
	11			0.58	CL	LEAN CLAY W/ FEW VERY THIN SILTY SAND LENSES LESS THAN 1mm THICK	36.2							
	12			0.51	CL	MOTTLED CLAY AND SAND	13.8	32.5						
	13			0.80	CL	LEAN CLAY W/ FEW VERY THIN SILTY SAND LENSES LESS THAN 1mm THICK	13.8	30.3						
	14			0.74	CL	LEAN CLAY W/ FEW VERY THIN SILTY SAND LENSES LESS THAN 1mm THICK	35.4							
	15			0.73	CL	LEAN CLAY W/ BLACK LINES	14.4	28.4						
	16			0.76	CL	LEAN CLAY W/ BLACK LINES	29.7							
	17			0.80	CL	LEAN TO FAT CLAY	13.8	28.4	47	25	0	3	97	UC
	18			6.14,14	CL	SANDY LEAN CLAY	23.0							
	19			17,28,31	SM	VERY SILTY FINE SAND	23.3							
	20			20,25,24	SP-SM	FINE TO MED. SAND W/ SILT								
	21			0.90	CL	MOTTLED dk. gray and LEAN TO FAT CLAY W/ VERY THIN SILTY SAND LENSES	14.5	28.4						
	22			10,9,12	SP-SM	MED. TO COARSE SAND								
	23			0.24	SM	INTERBEDDED SILTY FINE SAND AND VERY FINE SANDY SILT W/ CLAY LENSES	15.6	21.6						
	24			20,25,36	SM/SP-SM	SILTY FINE TO MED. SAND TO SAND W/ SILT								
	25			24,31,32	SM/SP-SM	SANDY SILT								
	26			0.81	CL	LEAN CLAY W/ SILTY FINE SAND LENSES AND 7mm RUSTY CLAY NODDALS	14.6	27.9						
	27			0.36	CL	INTERBEDDED CLAYEY SAND AND SANDY LEAN CLAY	19.9	21.5						
	28			0.43	CL	LEAN CLAY	13.6	33.0						

DRILL HOLE LOG														
PROJECT: OGDEN SR-126 1800 SOUTH TO 12TH STREET PROJECT NO.: 200028.000														
CLIENT: UTAH DEPARTMENT OF TRANSPORTATION DATE: 11/28/00 TO 12/2/00														
LOCATION: SR-126 STA. 24+320.09 RT. 22.38 ELEVATION: 1296.05m														
DRILLER: B. HARTLEY LOGGED BY: M. HANSEN/J. BOONE														
EQUIP./DRILL METHOD: CME-55 / N.W. CASING														
DEPTH TO WATER - INITIAL: 1.79m AFTER 24 HOURS: 2.47m														
Elev. (m)	Depth (m)	Lith. (Feetology)	Type (Rem.)	Blows Per 152mm	USCS (AASHTO)	Material Description	SPT	UC	Other Tests					
										Alter.	Gradation			
1295	1			3.5,7	SC	CLAYEY SAND W/ GRAVEL AND ORGANICS	12.8	29	9	31	36	33		
	2			8,8,8	GP	GRAVEL W/ SAND	2.7							
	3			28,27,26	GP	GRAVEL W/ SAND								
	4			20,18,13	GP-GM	GRAVEL W/ SILT AND SAND								
	5			15,12,13	GP	GRAVEL W/ SAND								
1290	6			30,21,8	GP	GRAVEL W/ SAND								
	7			30,21,8	GP	GRAVEL W/ SAND								
	8			30,21,8	GP	GRAVEL W/ SAND								
	9			2.4,4	CL	LEAN CLAY W/ BLACK SPOTS	13.7	33.1	42	20	0	4	96	UC
	10			0.78	CL	LEAN CLAY W/ BLACK SPOTS	24.9							
	11			0.68	CL	LEAN CLAY	14.0	30.5						
	12			0.57	CL	LEAN CLAY	25.4							
	13			0.87	CL	LEAN CLAY	13.5	33.0	49	25	0	13	87	UC
	14			8,8,7	SM	CLAYEY SAND W/ CLAY LAYERS	22.9	31.1						
	15			0.65	CL	CLAY W/ SILTY SAND LENSES	14.3	30.2	28.1					
	16			0.83	CL	CLAY	27.7							
	17			0.42	CL	INTERBEDDED LENSES AND LAYERS OF LEAN CLAY AND SILTY SAND 127mm TO 178mm THICK	13.1	36.0	31.7					
	18			0.42	CL	LEAN CLAY W/ SILTY SAND LENSES	29.5							
	19			0.81	CL	LEAN CLAY	13.5	33.9	41	21	0	6	94	UC
	20			0.43	CL	FAT CLAY	35.4							
	21			0.30	SM	SILT W/ SAND	15.6	23.6	26	3	0	15	85	
	22			6,22,23	SM	SANDY SILT	12.2	39.5	52	29	0	6	94	
	23			21,25,34	SM	SANDY SILT	20.3	NP	2	41	57			
	24			0.85	CL	CLAY W/ SILT LENSES	14.3	29.5	45	25	0	7	93	CT
	25			4,5,7	CL,SM,SP-SM	INTERBEDDED LENSES AND LAYERS OF SILT, SILTY SAND, LEAN CLAY AND SAND W/ SILT	24.6							
	26			5,8,15	SP-SM,CL	SAND W/ SILT	15.2	26.5						
	27			17,25,32	SP-SM	SAND W/ SILT								
	28			56/152mm	SP-SM	SAND W/ SILT								
	29			0.76	CL	CLAY W/ LENSES OF SILT AND SILTY SAND	13.9	30.9	47	26	0	2	98	UC
	30			7,10,13	CL	LEAN CLAY W/ SAND	21.4	30	11	0	24	76		
	31			3,4,7	CL	LEAN CLAY W/ SAND	19.8							
	32			0.35	CL	CLAY W/ SILTY SAND LAYERS	14.0	33.5	34	13	0	13	87	CT
	33			4,7,11	CL	CLAY W/ SILTY SAND LAYERS								

**KEY TO DRILLING LOG**  
 RELATIVE DENSITY (NON-PLASTIC SAND & SILT)  
 VERY LOOSE - N LESS THAN 4  
 LOOSE - N 4 TO 10  
 MEDIUM - N 10 TO 30  
 DENSE - N 30 TO 50  
 VERY DENSE - N MORE THAN 50

CONSISTENCY (PLASTIC - SILT & CLAY)  
 VERY SOFT - N LESS THAN 2  
 SOFT - N 2 TO 4  
 MEDIUM - N 4 TO 8  
 STIFF - N 8 TO 15  
 VERY STIFF - N 15 TO 30  
 HARD - N MORE THAN 30



**ABBREVIATIONS**  
 UC = Unconfined Compression test  
 CT = Consolidation Test  
 SG = Specific Gravity Test  
 VS = Vane Shear Test

- GENERAL NOTES**
- THE SUBGRADE SURFACE EXPLORATIONS SHOWN WERE CONDUCTED ON AUG-19-99 BY UTAH DEPT. OF TRANSP. AND RB&G ENGINEERING.
  - THESE DRILL LOGS REPRESENT A SYNOPSIS OF THE SOIL DEPOSITS ENCOUNTERED WITHIN EACH 89 mm DIAMETER BORING AND ARE BASED ON SOUND GEOLOGICAL AND ENGINEERING JUDGEMENT. BECAUSE SOIL IS A COMPLEX MEDIUM, THESE DRILL LOGS MAY OR MAY NOT REPRESENT THE SOIL CONDITIONS AT THIS SITE. THIS SUBSURFACE INTERPRETATION IS PRESENTED IN GOOD FAITH AND IS NOT INTENDED AS A SUBSTITUTE FOR PERSONAL INVESTIGATION AND JUDGEMENT OF THE CONTRACTOR.
  - THE WATER LEVELS AND CONDITIONS INDICATED ON THE DRILL LOGS REPRESENT HOLE CONDITIONS ON THE DATE SHOWN, EITHER WITH CASING STILL IN PLACE OR WITH PERFORATED PLASTIC PIPE INSTALLED. IT SHOULD BE NOTED, HOWEVER, THAT AT LOCATIONS AWAY FROM THE TEST HOLES OR AT OTHER TIMES OF THE YEAR THE WATER LEVELS AND CONDITIONS MAY VARY SIGNIFICANTLY.
  - THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES AND TRANSITION MAY BE GRADUAL.
  - COBBLE - A ROCK FRAGMENT WITH AN AVERAGE DIMENSION BETWEEN 76 mm AND 305 mm.
  - BOULDER - A ROCK FRAGMENT WITH AN AVERAGE DIMENSION OF 305 mm OR MORE.

UTAH DEPARTMENT OF TRANSPORTATION  
 SALT LAKE CITY, UTAH  
 STRUCTURES DIVISION

SR-126, 1800 SOUTH TO 12TH STREET, OGDEN  
 SR-126 OVER UPRR VIADUCT

SOIL DATA  
 SP-0126(6)13

WEBER COUNTY  
 R-381B  
 DRG. NO.

SHT. 3 OF 3

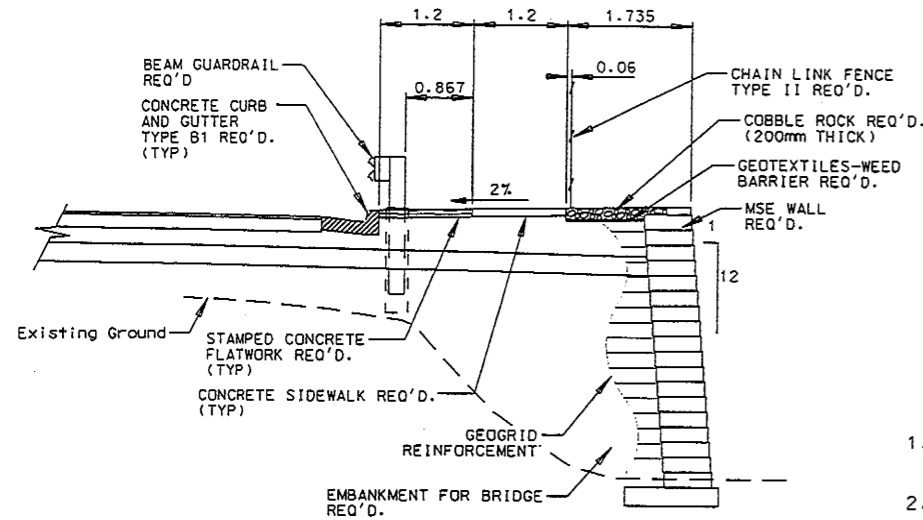
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 DESIGN ENGINEER: [Signature]  
 DRAWN: JMM 6/01  
 CHECKED: BEP 8/01  
 QUANT.: [Signature]  
 CHECKED: BEP 8/01

REVISIONS





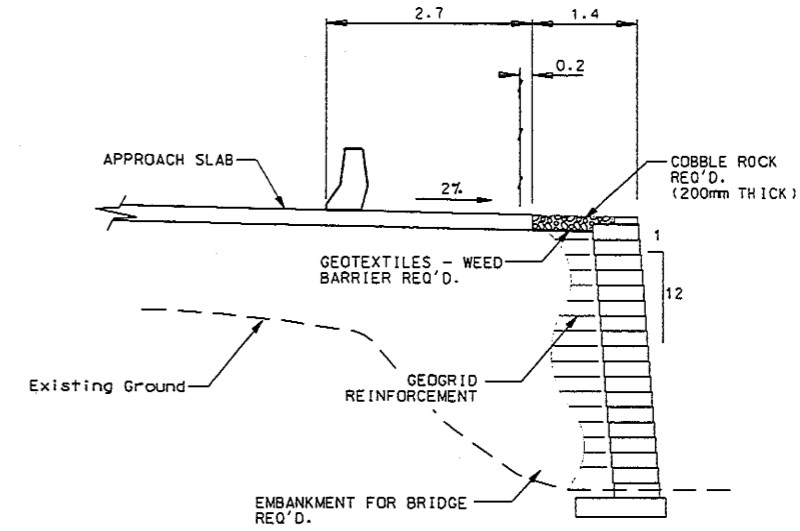
# MSE WALL R-381C



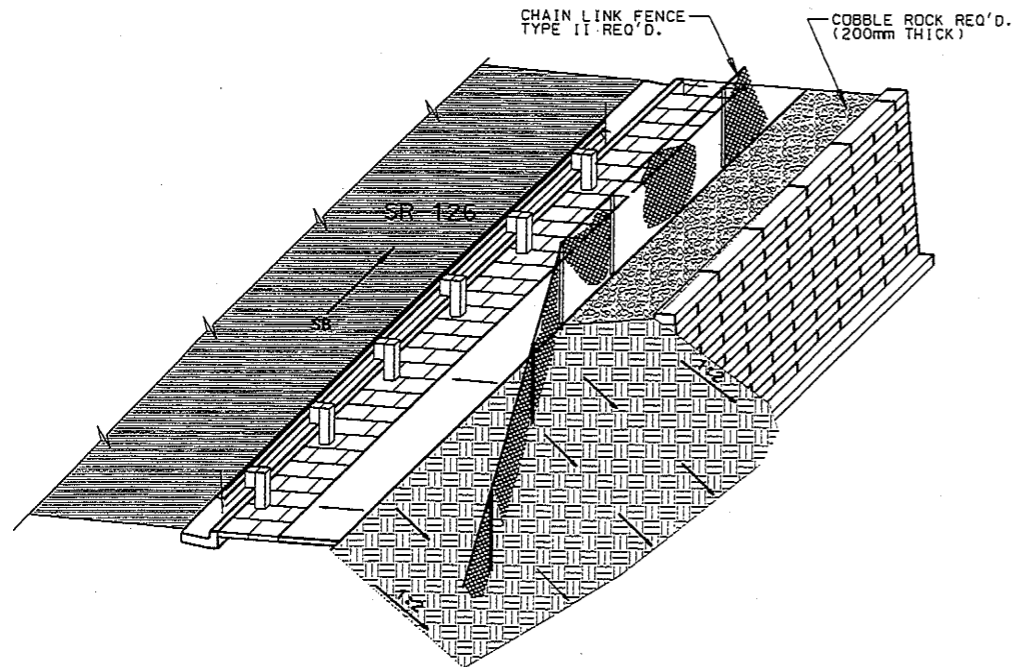
SECTION A-A

**NOTES:**

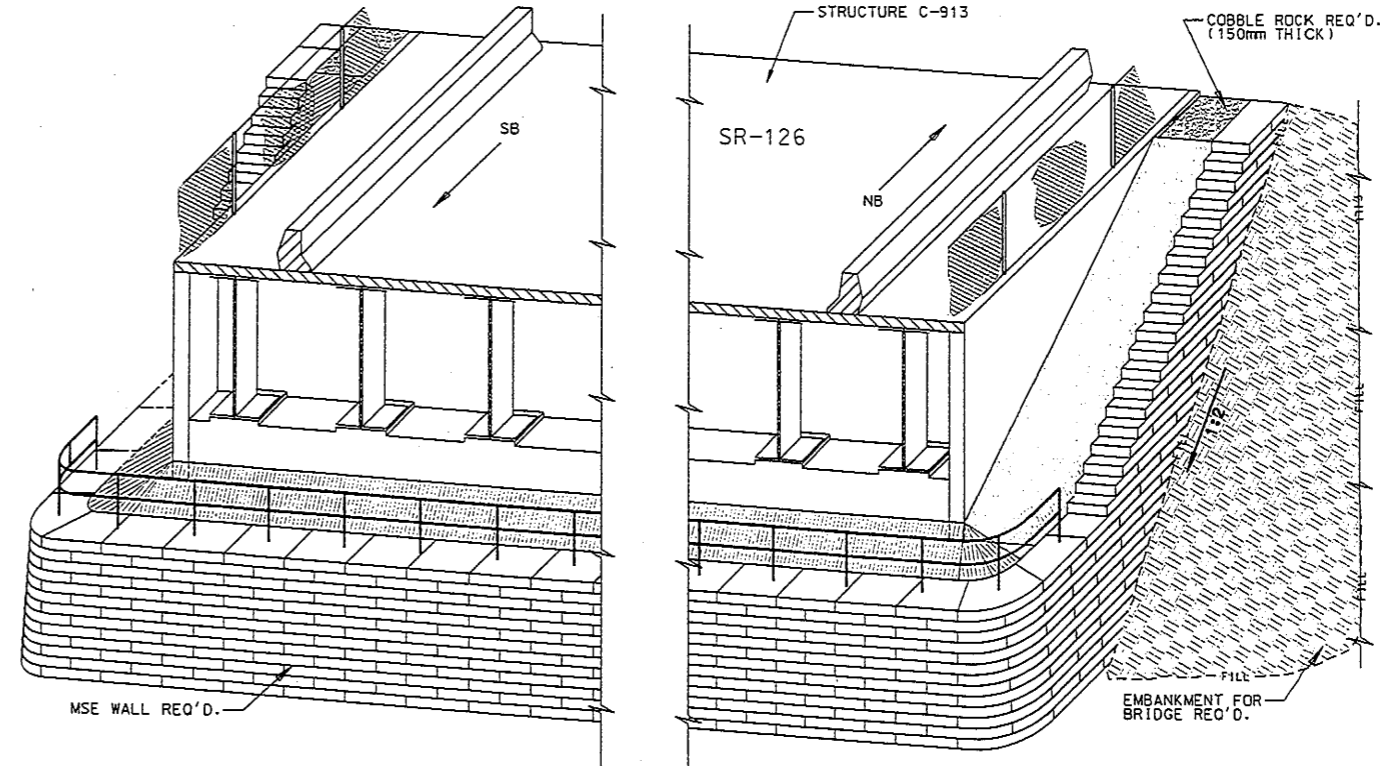
1. EXCAVATE 1 METER BELOW THE BOTTOM OF LEVELING PAD ELEVATION AND BACKFILL WITH SELECT MATERIAL MEETING THE REQUIREMENTS OF SPECIAL PROVISION 02061M.
2. THE WIDTH OF THIS EXCAVATION WILL BE THE WIDTH OF THE MSE WALL SECTION PLUS 1 METER.
3. THE WATER LEVEL MUST BE KEPT AT LEAST 0.6m BELOW THE EXCAVATION DURING BACKFILLING OPERATIONS.



SECTION B-B



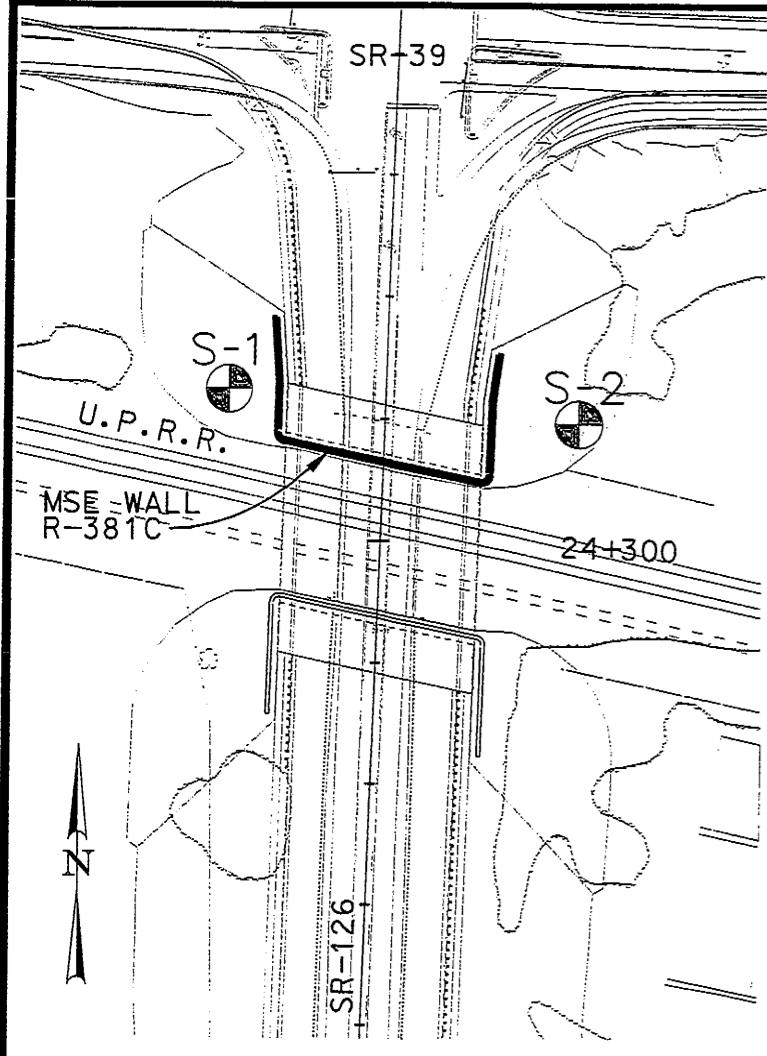
ISOMETRIC



ISOMETRIC

UTAH DEPARTMENT OF TRANSPORTATION		REGION ONE, OGDEN ROADWAY DESIGN	
DESIGN	RJ 7/01	CHECK	BK 8/01
DRAWN	RM 7/01	CHECK	RJ 8/01
QUANT.	RJ 7/01	CHECK	BK 8/01
APPROVAL	9/01	DATE	9/01
PROJECT DESIGN ENGINEER	<i>R. J. [Signature]</i>	PROJECT DESIGN ENGINEER	<i>[Signature]</i>
APPROVED	9/01	DATE	9/01
ROADWAY DESIGN ENGINEER	<i>[Signature]</i>	ROADWAY DESIGN ENGINEER	<i>[Signature]</i>
SR-126, 1800 SOUTH TO 12TH STREET, OGDEN		MSE WALL SITUATION AND LAYOUT	
PROJECT NUMBER		STP-BRF-0126(3)14	
WEBER COUNTY		R-381C DRG. NO.	
SHT.	2	OF	3

DGN File: H:\NF\up\414\72\_00\Sheet\_Faces\Walls\VR381C-2.dgn 21-AUG-2001



LOCATION MAP

**DRILL HOLE LOG** PROJECT: OGDEN SR-126 1800 SOUTH TO 12TH STREET PROJECT NO.: 200028.000  
 CLIENT: UTAH DEPARTMENT OF TRANSPORTATION DATE: 2/20/01  
 LOCATION: SR-126 STA. LT. ELEVATION: 1295.19m  
 DRILLER: B. HARTLEY LOGGED BY: M. HANSEN/K. OLSEN  
 EQUIP./DRILL METHOD: CME-55 / N.W. CASING  
 DEPTH TO WATER - INITIAL: 1.88m AFTER 24 HOURS: 0.88m

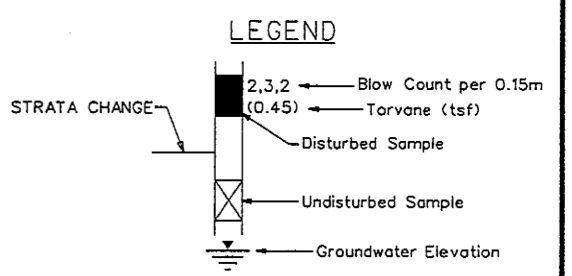
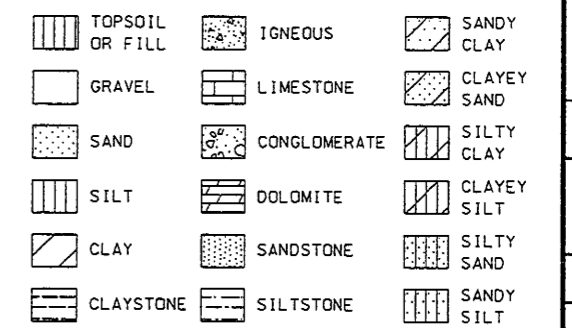
Elev. (m)	Depth (m)	USCS (AASHTO)	Material Description	Blow Per 152mm	Grain Size	Other Tests
1295	0.00	SM	SILTY SAND W/INTERBEDDED SILT LAYERS	3.3,3		
1295	1.00	SM	SANDY SILT	14.9	21.8	
1295	2.00	SM	SANDY SILT			
1295	3.00	SM	SANDY SILT			
1295	4.00	SM	SANDY SILT			
1295	5.00	SM	SANDY SILT			
1295	6.00	SM	SANDY SILT			
1295	7.00	SM	SANDY SILT			
1295	8.00	SM	SANDY SILT			
1295	9.00	SM	SANDY SILT			
1295	10.00	SM	SANDY SILT			
1295	11.00	SM	SANDY SILT			
1295	12.00	SM	SANDY SILT			
1295	13.00	SM	SANDY SILT			
1295	14.00	SM	SANDY SILT			
1295	15.00	SM	SANDY SILT			
1295	16.00	SM	SANDY SILT			
1295	17.00	SM	SANDY SILT			
1295	18.00	SM	SANDY SILT			
1295	19.00	SM	SANDY SILT			
1295	20.00	SM	SANDY SILT			
1295	21.00	SM	SANDY SILT			
1295	22.00	SM	SANDY SILT			
1295	23.00	SM	SANDY SILT			
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1295	29.00	SM	SANDY SILT			
1295	30.00	SM	SANDY SILT			
1295	31.00	SM	SANDY SILT			
1295	32.00	SM	SANDY SILT			
1295	33.00	SM	SANDY SILT			
1295	34.00	SM	SANDY SILT			
1295	35.00	SM	SANDY SILT			
1295	36.00	SM	SANDY SILT			

**DRILL HOLE LOG** PROJECT: OGDEN SR-126 1800 SOUTH TO 12TH STREET PROJECT NO.: 200028.000  
 CLIENT: UTAH DEPARTMENT OF TRANSPORTATION DATE: 12/6/00 TO 12/8/00  
 LOCATION: SR-126 STA. 24+320.09 RT. 31.71 ELEVATION: 1295.34m  
 DRILLER: B. HARTLEY LOGGED BY: M. HANSEN/K. OLSEN  
 EQUIP./DRILL METHOD: CME-55 / N.W. CASING  
 DEPTH TO WATER - INITIAL: 1.34m AFTER 24 HOURS: 0.88m

Elev. (m)	Depth (m)	USCS (AASHTO)	Material Description	Blow Per 152mm	Grain Size	Other Tests
1295	0.00	SM	SANDY SILT	3.6,7	16.3	
1295	1.00	SM	SANDY SILT			
1295	2.00	SM	SANDY SILT			
1295	3.00	SM	SANDY SILT			
1295	4.00	SM	SANDY SILT			
1295	5.00	SM	SANDY SILT			
1295	6.00	SM	SANDY SILT			
1295	7.00	SM	SANDY SILT			
1295	8.00	SM	SANDY SILT			
1295	9.00	SM	SANDY SILT			
1295	10.00	SM	SANDY SILT			
1295	11.00	SM	SANDY SILT			
1295	12.00	SM	SANDY SILT			
1295	13.00	SM	SANDY SILT			
1295	14.00	SM	SANDY SILT			
1295	15.00	SM	SANDY SILT			
1295	16.00	SM	SANDY SILT			
1295	17.00	SM	SANDY SILT			
1295	18.00	SM	SANDY SILT			
1295	19.00	SM	SANDY SILT			
1295	20.00	SM	SANDY SILT			
1295	21.00	SM	SANDY SILT			
1295	22.00	SM	SANDY SILT			
1295	23.00	SM	SANDY SILT			
1295	24.00	SM	SANDY SILT			
1295	25.00	SM	SANDY SILT			
1295	26.00	SM	SANDY SILT			
1295	27.00	SM	SANDY SILT			
1295	28.00	SM	SANDY SILT			
1295	29.00	SM	SANDY SILT			
1295	30.00	SM	SANDY SILT			
1295	31.00	SM	SANDY SILT			
1295	32.00	SM	SANDY SILT			
1295	33.00	SM	SANDY SILT			
1295	34.00	SM	SANDY SILT			
1295	35.00	SM	SANDY SILT			
1295	36.00	SM	SANDY SILT			

**KEY TO DRILLING LOG**  
 RELATIVE DENSITY (NON-PLASTIC SAND & SILT)  
 VERY LOOSE - N LESS THAN 4  
 LOOSE - N 4 TO 10  
 MEDIUM - N 10 TO 30  
 DENSE - N 30 TO 50  
 VERY DENSE - N MORE THAN 50

CONSISTENCY (PLASTIC - SILT & CLAY)  
 VERY SOFT - N LESS THAN 2  
 SOFT - N 2 TO 4  
 MEDIUM - N 4 TO 8  
 STIFF - N 8 TO 15  
 VERY STIFF - N 15 TO 30  
 HARD - N MORE THAN 30



**ABBREVIATIONS**  
 UC = Unconfined Compression test  
 CT = Consolidation Test  
 SG = Specific Gravity Test  
 VS = Vane Shear Test

- GENERAL NOTES**
- THE SUBGRADE SURFACE EXPLORATIONS SHOWN WERE CONDUCTED ON AUG-19-99 BY UTAH DEPT. OF TRANSP. AND RB&G ENGINEERING.
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UTAH DEPARTMENT OF TRANSPORTATION  
 SALT LAKE CITY, UTAH  
 STRUCTURES DIVISION

SR-126, 1800 SOUTH TO 12TH STREET, OGDEN  
 SR-126 OVER UPRR VIADUCT

SOIL DATA

STP-BRF-0126(3)14

WEBER COUNTY  
 R-381C  
 DRG. NO.

SHT. 3 OF 3

APPROVAL RECORD: 9/01/01 DATE: 9/01/01  
 DESIGNER: [Signature]  
 DRAWN: [Signature]  
 CHECKED: [Signature]  
 DATE: 8/01/01

DESIGN BEP 8/01  
 CHECK BEP 8/01  
 DRAWN JMM 6/01  
 CHECK BEP 8/01

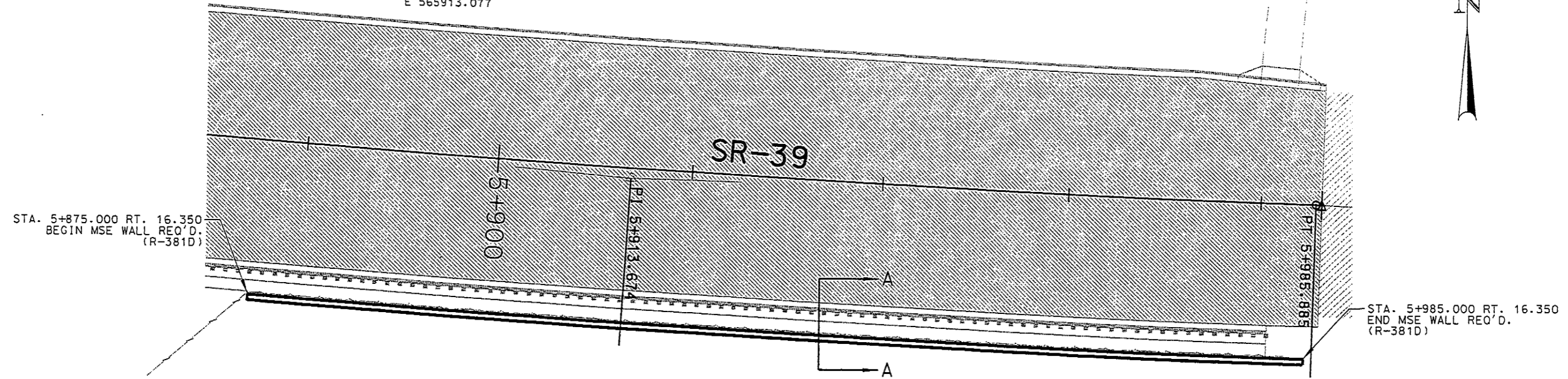
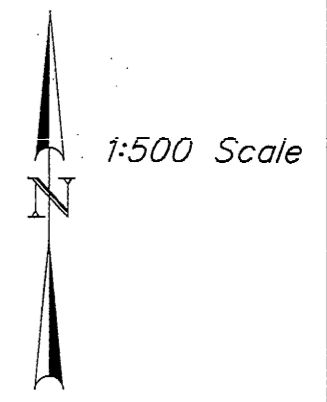
REVISIONS

NO. DATE BY

# MSE WALL R-381D

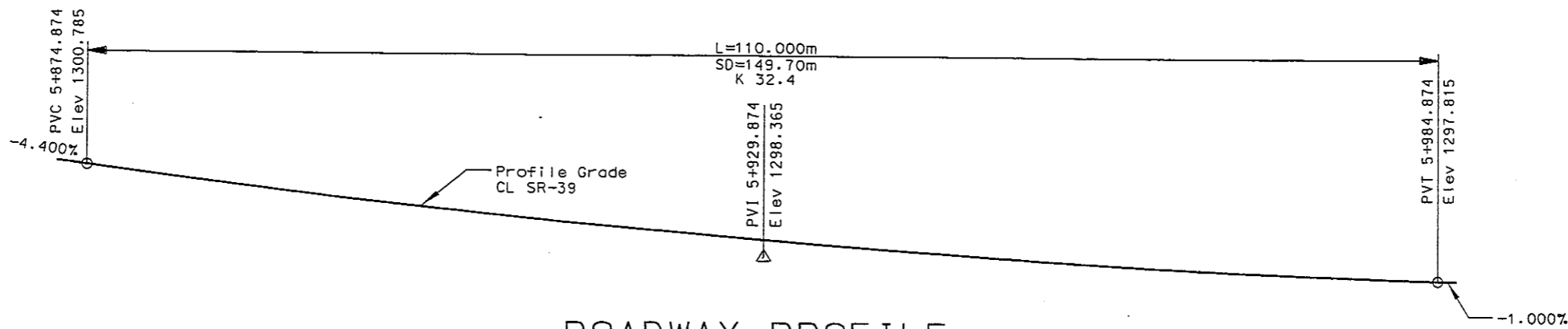
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T 72.252m  
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Delta 3°18'39.11"  
C 144.444m  
PI 5+913.674  
N 101352.999  
E 565913.077



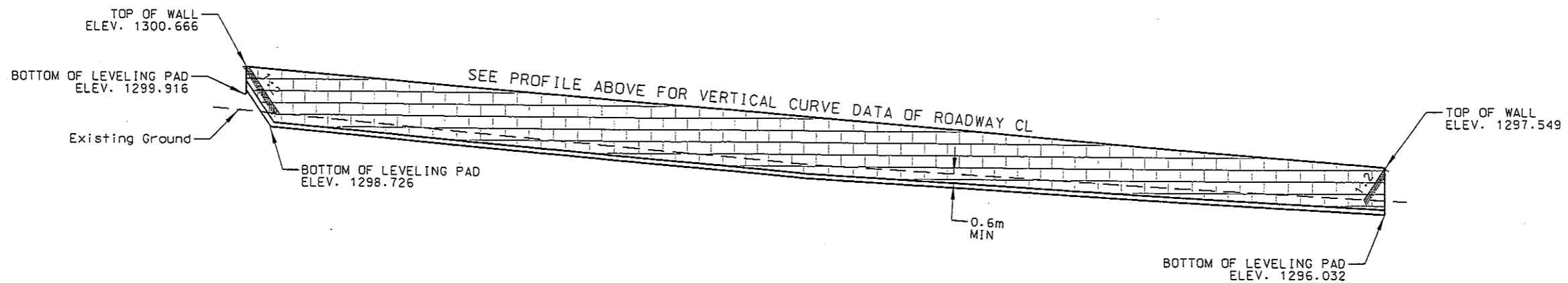
## PLAN

SEE SHEET 2 OF 3 FOR SECTION A-A



## ROADWAY PROFILE

3x VERT. SCALE



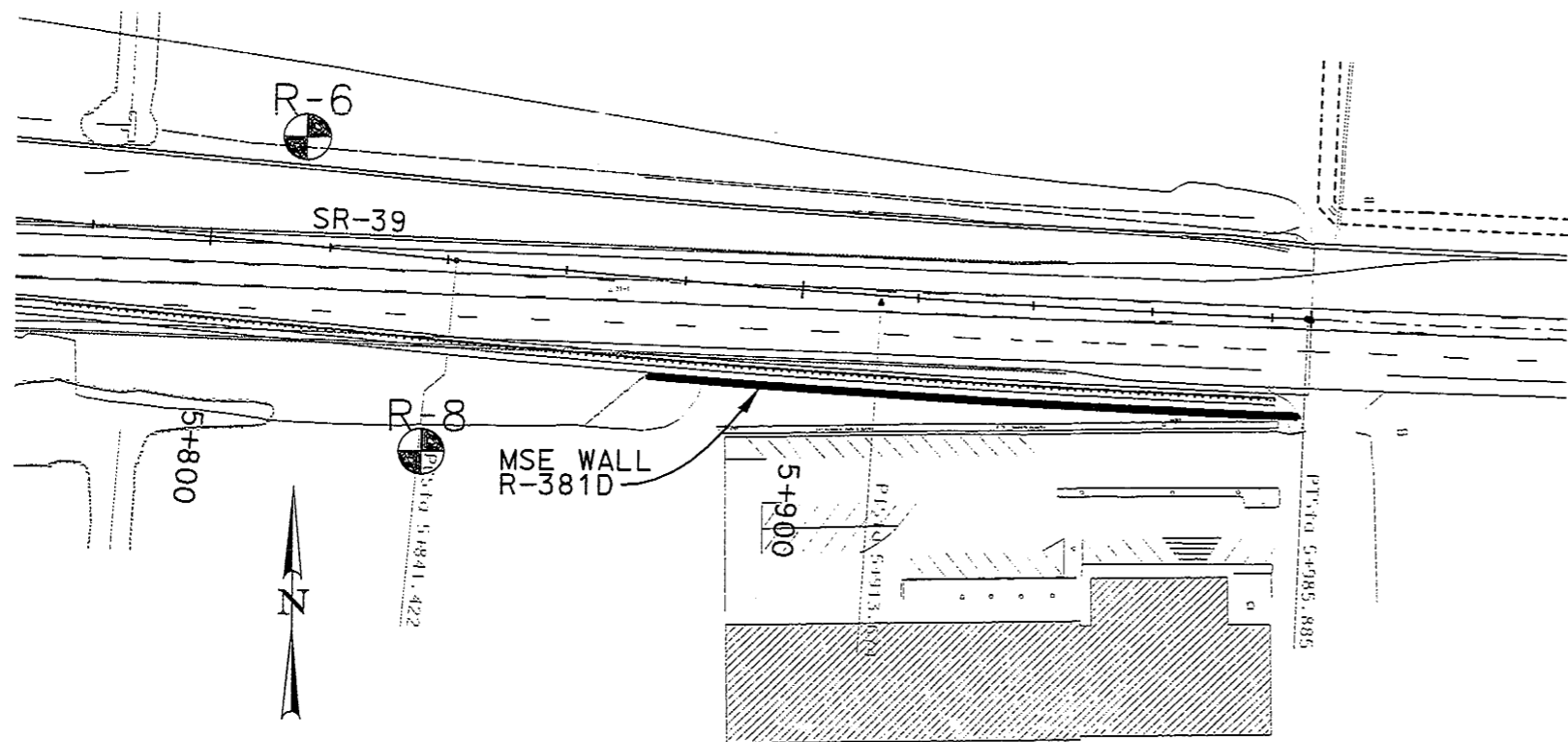
## PROFILE

3x VERT. SCALE

UTAH DEPARTMENT OF TRANSPORTATION REGION ONE, OGDEN ROADWAY DESIGN		DESIGN	RJ	7/01	CHECK	BK	8/01
APPROVAL	9/21	DATE	9/21	DATE	9/21	DATE	9/21
RECORD	9/21	DATE	9/21	DATE	9/21	DATE	9/21
APPROVED	9/21	DATE	9/21	DATE	9/21	DATE	9/21
PROJECT NUMBER	STP-BRF-0126(3)14						
PROJECT TITLE	MSE WALL SITUATION AND LAYOUT						
PROJECT LOCATION	SR-126, 1800 SOUTH TO 12TH STREET, OGDEN						
PROJECT NUMBER	STP-BRF-0126(3)14						
COUNTY	WEBER COUNTY						
DRG. NO.	R-381D						
SHT.	1	OF	3				

17-AUG-2001 08:11:00 Project: 1172\_00\Sheet\_L\_Roadway\Roadway\381D-1.dwg





LOCATION MAP

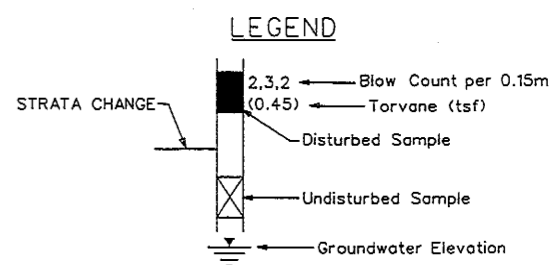
DRILL HOLE LOG		PROJECT: OGDEN SR-126 1800 SOUTH TO 12TH STREET PROJECT NO.: 200028.000						
BORING NO. R-6		CLIENT: UTAH DEPARTMENT OF TRANSPORTATION DATE: 1/11/01						
		LOCATION: 12TH ST. STA. 5+814.69 LT. 17.48 ELEVATION: 1295.70m						
		DRILLER: B. HARTLEY LOGGED BY: M. HANSEN/K. OLSEN						
		EQUIP./DRILL METHOD: CME-55 / N.W. CASING						
		DEPTH TO WATER - INITIAL: 1.71m AFTER 24 HOURS: -						
Elev. (m)	Depth (m)	Lithology	USCS (AASHTO)	Material Description	Blows Per 152mm	Alter.	Gradation	Other Tests
1295	1	CL	CL	dk. brown moist, stiff SANDY CLAY	14.9	25.7		
	2	CL	CL	moist, soft SANDY SILT	15.1	25.7	31	0 39 81
	3	GP	GP-GM	gray-brown wet, med. dense GRAVEL W/SILTY SAND	6.8, 15	18, 15	0.3	NP 51 45 3
	4	CL	CL	gray-brown moist, firm LEAN CLAY W/A FEW SILTY SAND LENSES	14.24, 25			
	5	CL	CL	gray-brown moist, firm LEAN CLAY	15.3	33.8	43	20 0 1 99
	6	CL	CL	gray-brown moist, firm LEAN CLAY	15.5	25.4		
	7	CL	CL	gray-brown moist, firm LEAN CLAY W/A FEW SILTY SAND LAYERS <0.8mm THICK	14.6	29.3		
	8	CL	CL	gray-brown moist, firm LEAN CLAY W/SILTY SAND POCKETS distorted bedding				

DRILL HOLE LOG		PROJECT: OGDEN SR-126 1800 SOUTH TO 12TH STREET PROJECT NO.: 200028.000						
BORING NO. R-8		CLIENT: UTAH DEPARTMENT OF TRANSPORTATION DATE: 1/12/01						
		LOCATION: 12TH ST. STA. 5+838.94 RT. 33.69 ELEVATION: 1296.00m						
		DRILLER: B. HARTLEY LOGGED BY: M. HANSEN/K. OLSEN						
		EQUIP./DRILL METHOD: CME-55 / N.W. CASING / ROTARY WASH						
		DEPTH TO WATER - INITIAL: 1.83m AFTER 24 HOURS: -						
Elev. (m)	Depth (m)	Lithology	USCS (AASHTO)	Material Description	Blows Per 152mm	Alter.	Gradation	Other Tests
1295	1	SC	SC-CL	moist, loose CLAYEY SAND AND SANDY CLAY	4.3, 4	0.71		
	2	CL	CL	dk. brown, moist, stiff SANDY LEAN CLAY	1.1, 0.68			
	3	SM	SM	moist SILTY SAND	2.3, 10			
	4	SM	SM (A-2-6)	wet, med. dense SILTY SAND TO SANDY SILT	2.3, 10			
	5	GP	GP-GM	gray-brown wet, med. dense GRAVEL W/SILT AND SAND	11, 14, 12			
	6	GP	GP-GM	gray-brown wet, med. dense GRAVEL	8, 7, 6			
	7	GP	GP-GM	gray-brown wet, med. dense GRAVEL W/SILT AND SAND	8, 11, 10			
	8	CL	CL	gray-brown moist, firm LEAN CLAY	34.3	46	24	0 1 99
	9	CL	CL	gray-brown moist, firm LEAN CLAY W/VERY THIN SAND LENSES	4.4, 1	0.38		
	10	CL	CL	gray-brown moist, soft to firm LEAN CLAY	0.4, 4	0.21/0.36		
	11	CL	CL (A-6(14))	gray-brown moist, firm CLAY	27.9	35	13	0 2 98
	12	CL	CL	gray-brown moist, stiff LEAN CLAY	16.4	23.2		
	13	CL	CL	gray-brown moist, stiff LEAN CLAY				
	14	CL	CL	gray-brown moist, stiff LEAN CLAY				
	15	SM	SM	brown, moist, med. dense SILTY SAND W/A FEW LENSES	7.3, 3			
	16	SM	SM	gray-brown, moist, firm LEAN CLAY	0.42			

**KEY TO DRILLING LOG**  
 RELATIVE DENSITY (NON-PLASTIC SAND & SILT)  
 VERY LOOSE - N LESS THAN 4  
 LOOSE - N 4 TO 10  
 MEDIUM - N 10 TO 30  
 DENSE - N 30 TO 50  
 VERY DENSE - N MORE THAN 50

CONSISTENCY (PLASTIC - SILT & CLAY)  
 VERY SOFT - N LESS THAN 2  
 SOFT - N 2 TO 4  
 MEDIUM - N 4 TO 8  
 STIFF - N 8 TO 15  
 VERY STIFF - N 15 TO 30  
 HARD - N MORE THAN 30

TOPSOIL OR FILL	IGNEOUS	SANDY CLAY
GRAVEL	LIMESTONE	CLAYEY SAND
SAND	CONGLOMERATE	SILTY CLAY
SILT	DOLOMITE	CLAYEY SILT
CLAY	SANDSTONE	SILTY SAND
CLAYSTONE	SILTSTONE	SANDY SILT



**ABBREVIATIONS**  
 UC = Unconfined Compression test  
 CT = Consolidation Test  
 SG = Specific Gravity Test  
 VS = Vane Shear Test

- GENERAL NOTES**
- THE SUBGRADE SURFACE EXPLORATIONS SHOWN WERE CONDUCTED ON AUG-19-99 BY UTAH DEPT. OF TRANSP. AND RB&G ENGINEERING.
  - THESE DRILL LOGS REPRESENT A SYNOPSIS OF THE SOIL DEPOSITS ENCOUNTERED WITHIN EACH 89 mm DIAMETER BORING AND ARE BASED ON SOUND GEOLOGICAL AND ENGINEERING JUDGEMENT. BECAUSE SOIL IS A COMPLEX MEDIUM, THESE DRILL LOGS MAY OR MAY NOT REPRESENT THE SOIL CONDITIONS AT THIS SITE. THIS SUBSURFACE INTERPRETATION IS PRESENTED IN GOOD FAITH AND IS NOT INTENDED AS A SUBSTITUTE FOR PERSONAL INVESTIGATION AND JUDGEMENT OF THE CONTRACTOR.
  - THE WATER LEVELS AND CONDITIONS INDICATED ON THE DRILL LOGS REPRESENT HOLE CONDITIONS ON THE DATE SHOWN, EITHER WITH CASING STILL IN PLACE OR WITH PERFORATED PLASTIC PIPE INSTALLED. IT SHOULD BE NOTED, HOWEVER, THAT AT LOCATIONS AWAY FROM THE TEST HOLES OR AT OTHER TIMES OF THE YEAR THE WATER LEVELS AND CONDITIONS MAY VARY SIGNIFICANTLY.
  - THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES AND TRANSITION MAY BE GRADUAL.
  - COBBLE - A ROCK FRAGMENT WITH AN AVERAGE DIMENSION BETWEEN 76 mm AND 305 mm.
  - BOULDER - A ROCK FRAGMENT WITH AN AVERAGE DIMENSION OF 305 mm OR MORE.

UTAH DEPARTMENT OF TRANSPORTATION  
 SALT LAKE CITY, UTAH  
 STRUCTURES DIVISION

SR-126, 1800 SOUTH TO 12TH STREET, OGDEN  
 SR-126 OVER UPRR VIADUCT

SOIL DATA  
 STP-BRF-0126(3)14

WEBER COUNTY  
 R-381D  
 DRG. NO.

SHT. 3 OF 3

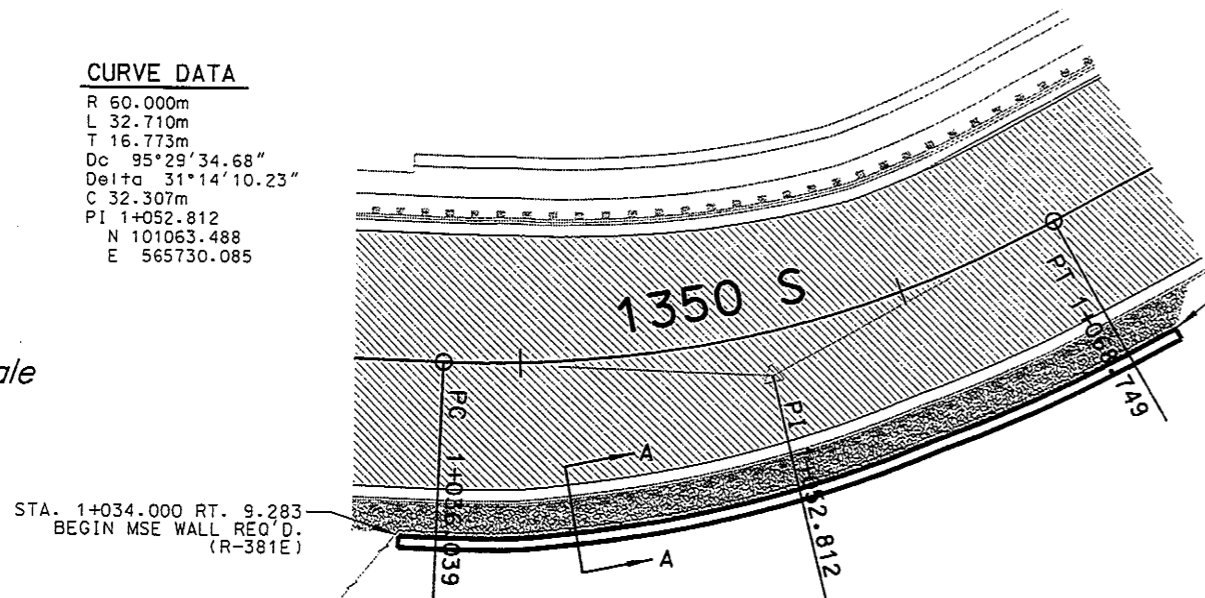
# MSE WALL R-381E

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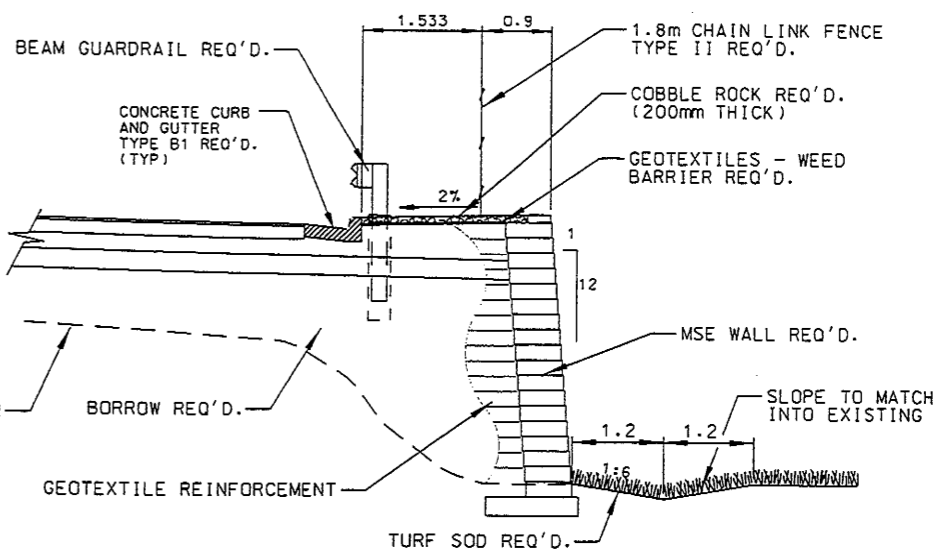
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L 32.710m  
T 16.773m  
Dc 95°29'34.68"  
Delta 31°14'10.23"  
C 32.307m  
PI 1+052.812  
N 101063.488  
E 565730.085



1:400 Scale



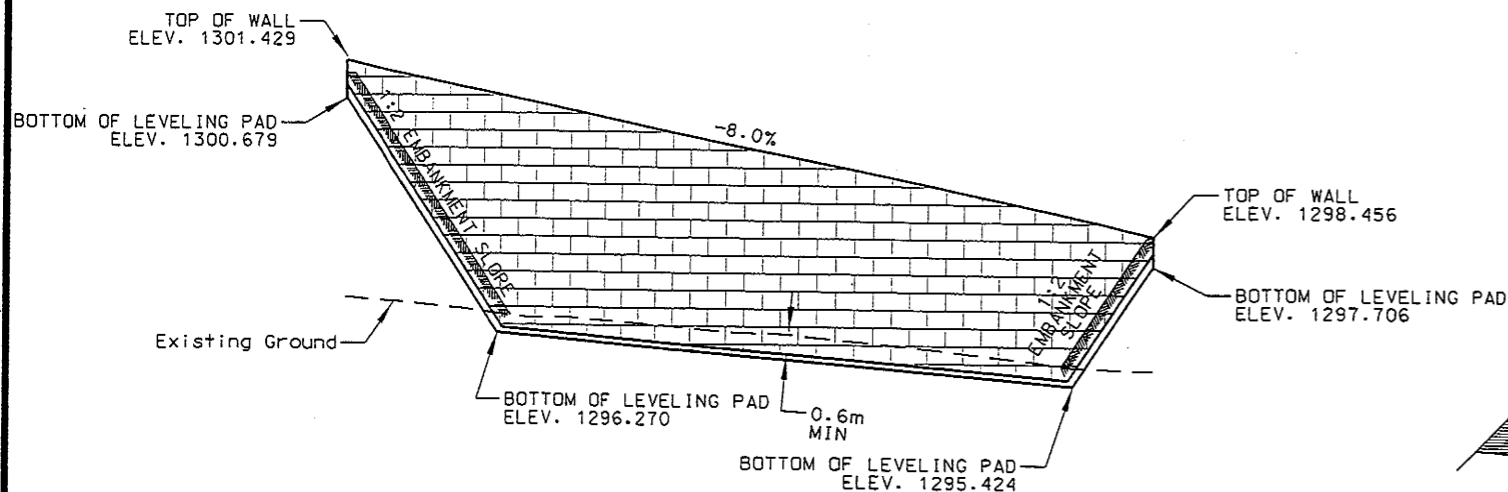
PLAN



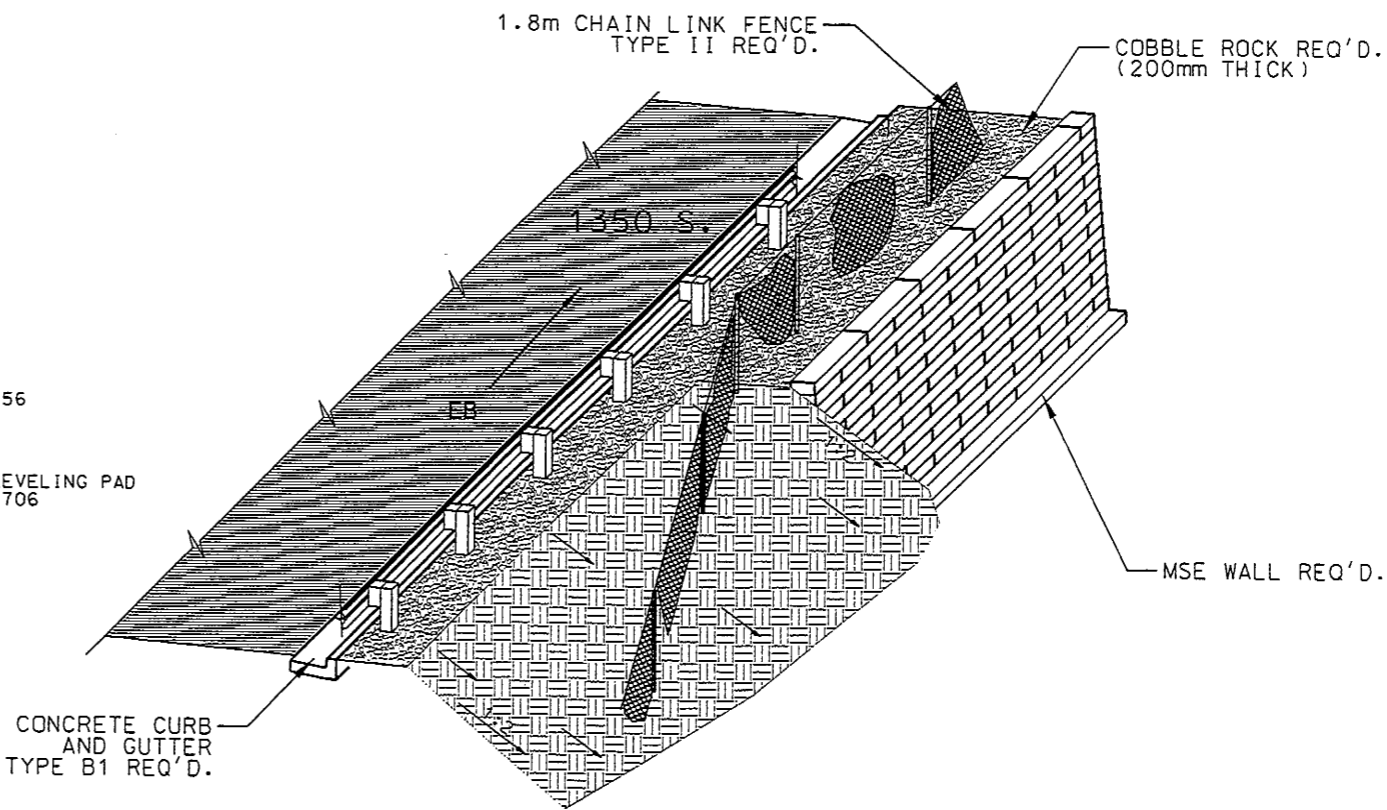
SECTION A-A

### NOTES:

- EXCAVATE A TEST PIT WITHIN THE FOUNDATION FOOTPRINT AT LEAST 3m DEEP WITH THE ENGINEER PRESENT TO VERIFY THE PRESENCE OF 2 METERS OF GRANULAR SOIL BENEATH THE WALL.
- IF THE TEST PIT SHOWS 2 METERS OF GRANULAR SOIL. NO EXCAVATION BELOW THE LEVELING PAD IS REQUIRED.
- IF THE TEST PIT SHOWS UNSUITABLE SOILS. EXCAVATE 2 METERS BELOW THE BOTTOM OF LEVELING PAD ELEVATION AND BACKFILL WITH SELECT MATERIAL MEETING THE REQUIREMENTS OF SECTION 02061M. THE WIDTH OF THIS EXCAVATION WILL BE THE WIDTH OF THE MSE WALL SECTION PLUS 1 METER. THE WATER LEVEL MUST BE KEPT AT LEAST 0.6m BELOW THE EXCAVATION DURING BACKFILLING OPERATIONS.



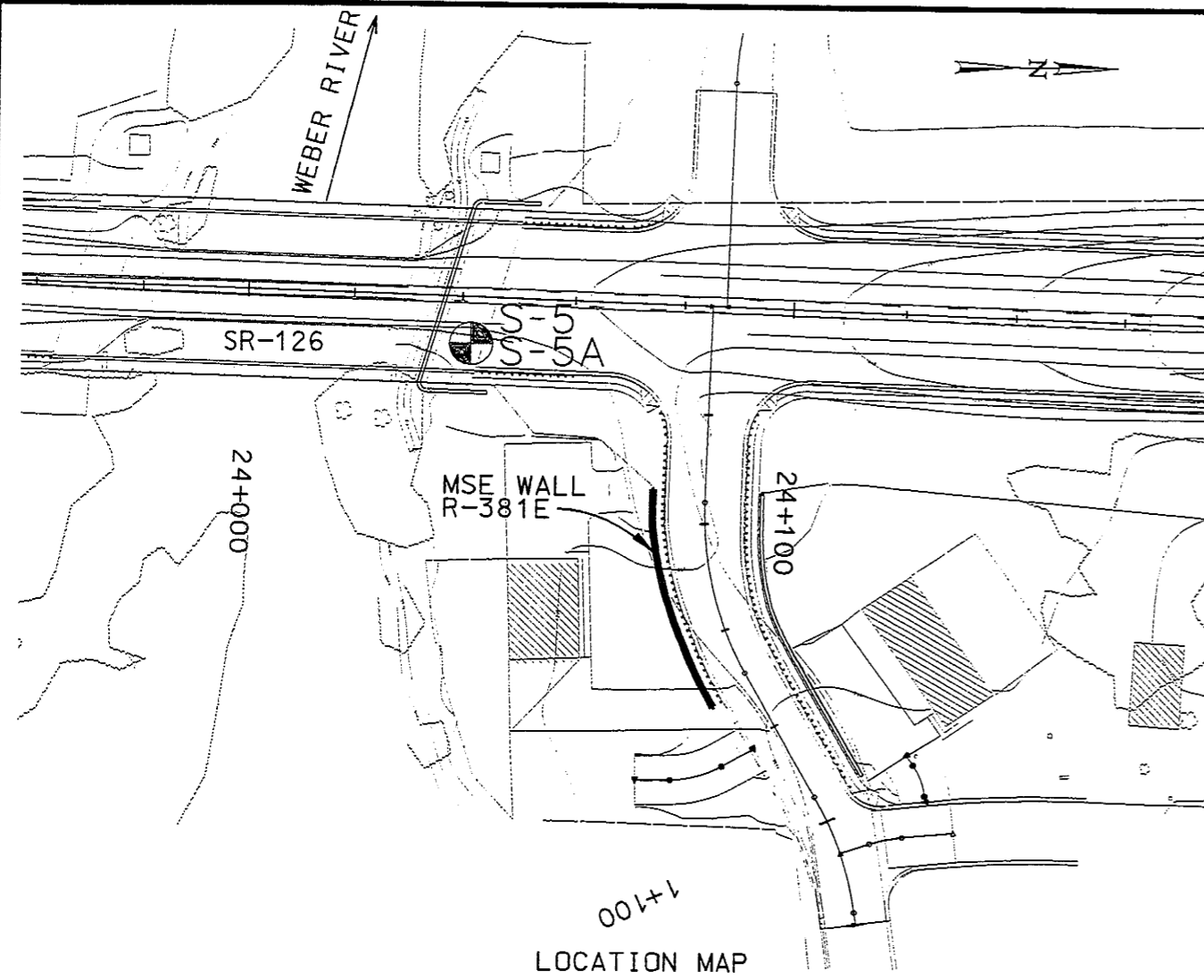
PROFILE  
3x VERT. SCALE



ISOMETRIC

UTAH DEPARTMENT OF TRANSPORTATION		DESIGN	RJ	7/01	CHECK	BK	8/01
REGION ONE, OGDEN ROADWAY DESIGN		DRAWN	RM	7/01	CHECK	RJ	8/01
SR-126, 1800 SOUTH TO 12TH STREET, OGDEN		QUANT.	RJ	7/01	CHECK	BK	8/01
MSE WALL SITUATION AND LAYOUT		PROJECT NUMBER	STP-BRF-0126(3)14				
WEBER COUNTY		APPROVAL RECORD					
R-381E ORG. NO.		DATE					
SHT. 1 OF 2		DATE					

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LOCATION MAP

DRILL HOLE LOG									
PROJECT: OGDEN SR-126 1800 SOUTH TO 12TH STREET PROJECT NO.: 200028.000									
CLIENT: UTAH DEPARTMENT OF TRANSPORTATION DATE: 12/11/00									
LOCATION: SR-126 STA. 24+041.78 RT. B.57 ELEVATION: -1297.30m									
DRILLER: B. HARTLEY									
EQUIP./DRILL METHOD: CME-55 / N.W. CASING LOGGED BY: M. HANSEN/J. BOONE									
DEPTH TO WATER - INITIAL: 2.59m AFTER 24 HOURS: 3.87m									
Elev. (m)	Depth (m)	Lith. (Feetology)	Blows Per 152mm	USCS (AASHTO)	Material Description	SPT	Alter.	Gradation	
								No. 10/20	No. 20/40
1295	1		3.6,5	GP-CM	gray wet, med. dense GRAVEL W/SAND AND SILT				
2	5		4.3,32	GM (A-1-60)	dk. brown moist to wet, med. dense to loose, SILTY GRAVEL W/SAND fitting something hard at bottom of sample, maybe concrete	9.2	NP	4.4	4.3 13
3	10		3.2,2	SM	brown, very soft wet, loose, silty sand layer -50mm thick				
4	15		7.6,4	SM	gray, very moist LEAN CLAY	27.8			
5	20		10.9,7	GP	gray wet, med. dense GRAVEL W/SAND				
6	25		10.9,3	CL	gray-brown w/black spots, moist, firm	12.1	42.9	45	24 0 3 97
7	30		12.2, 0.72	CL	gray-brown moist, stiff	24.6			
8	35		13.5, 0.48	CL	gray-brown moist, firm	13.5	31.6		
9	40		3.3,3 0.42	SM	dk. brown-gray SILTY SAND	36.3			
10	45		Pushed 0.54	CL	gray-brown moist, stiff	13.3	33.6	43	20 0 4 96
11	50		2.2,2 0.40	CL	gray-brown moist, firm	33.5			
12	55		Pushed 0.58	CL	gray-brown moist, stiff w/interbedded sand layers	13.9	32.1		

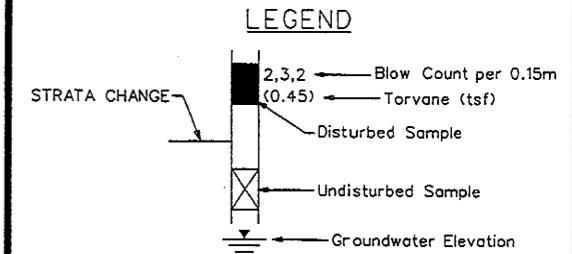
Depth Continues on Boring No. S-5A

DRILL HOLE LOG									
PROJECT: OGDEN SR-126 1800 SOUTH TO 12TH STREET PROJECT NO.: 200028.000									
CLIENT: UTAH DEPARTMENT OF TRANSPORTATION DATE: 12/12/00 TO 12/14/00									
LOCATION: SR-126 STA. 24+041.78 RT. B.57 ELEVATION: 1297.38m									
DRILLER: B. HARTLEY									
EQUIP./DRILL METHOD: CME-55 / N.W. CASING LOGGED BY: M. HANSEN/J. BOONE									
DEPTH TO WATER - INITIAL: 2.60m AFTER 24 HOURS: 3.78m									
Elev. (m)	Depth (m)	Lith. (Feetology)	Blows Per 152mm	USCS (AASHTO)	Material Description	SPT	Alter.	Gradation	
								No. 10/20	No. 20/40
1295	1			GM	SILTY GRAVEL W/SAND				
2	5		4.57 0.10	CL (A-4-3)	brown very moist to wet, very soft SANDY CLAY W/SILTY SAND LAYERS	33.3	34	7	0 37 63
3	10		14.17, 18	GP	gray wet, dense GRAVEL W/SAND				
4	15		12.5, 0.46	CL (A-6-18)	gray-brown moist, firm LEAN CLAY W/SILTY SAND LENSES AND SMALL LAYERS	31.2	40	18	0 3 97
5	20		4.7, 17 0.40	SM	gray-brown moist, firm dk. gray SILTY SAND W/CLAY LENSES	34.4			
6	25		Pushed 0.36	CL	gray-brown moist, stiff LEAN CLAY	13.2	35.5	41	21 0 14 86
7	30		12.13, 13 0.66	SM	gray-brown moist, stiff LEAN CLAY W/SILTY SAND LENSES AND LAYERS	30.7	20.9	NP	0 70 30
8	35		Pushed 0.76	SM	dk. gray moist, stiff LEAN CLAY W/SILTY SAND LENSES	12.9	37.6		
9	40		0.15 0.21 0.78	CL-SM	gray-brown moist, stiff LEAN CLAY W/SILTY SAND LENSES AND LAYERS	28.5			
10	45		Pushed 0.71	CL-SM	gray-brown moist, stiff	13.1	33.5		
11	50		0.3,7 0.46 0.78	CH (A-7-518)	gray to dk. gray moist, stiff to firm SANDY FAT CLAY	29.3	52	30	0 33 67
12	55		Pushed 0.63 4.1, 17 0.99	SM	dk. gray moist, med. dense, very stiff SILTY SAND W/CLAY LENSES AND LAYERS	13.2	35.5		
13	60		11.13, 21	SM	brown wet, dense SILTY SAND	25.8	NP	0	63 37
14	65		14.29, 25	SM	brown wet, med. dense SILTY SAND				
15	70		23.27, 31	SM-SM (A-3-10)	brown to gray-brown wet, very dense SAND W/SILT	23.2	NP	0	92 8
16	75		Pushed 0.77	CH (A-7-513)	green-gray moist, stiff FAT CLAY W/SAND LENSES	14.0	30.3	53	32 0 3 97
17	80		9.1, 25	SM	dk. gray wet, med. dense SILTY SAND W/CLAY LENSES AND LAYERS UP TO 25mm THICK	21.3	NP	0	60 40
18	85		9.1, 13	SM (A-4-10)	dk. brown and gray-green moist to wet, med. dense SILTY SAND W/CLAY LAYERS AND LENSES	22.6	NP	1	90 9
19	90		23.34, 34	SM-SM (A-3-10)	dk. gray wet, very dense SAND W/SILT				
20	95		22.34, 40	SM	dk. gray wet, very dense, w/clay lenses, trace fine gravel SAND W/SILT	13.8	33.0	36	16 0 9 91
21	100		Pushed 0.62	CL	LEAN CLAY SANDY SILT	30	12	0	25 75
22	105		11.1, 14 0.79	CL (A-6-17)	greenish-gray-brown moist, stiff SANDY LEAN CLAY W/CLAYEY SAND LAYERS				
23	110		Pushed 0.72	CL	dk. gray moist, stiff	37.9			
24	115		Pushed 0.62	CL (A-7-517)	dk. gray moist, stiff SANDY CLAY W/CLAY AND SAND LAYERS				

**KEY TO DRILLING LOG**  
 RELATIVE DENSITY (NON-PLASTIC SAND & SILT)  
 VERY LOOSE - N LESS THAN 4  
 LOOSE - N 4 TO 10  
 MEDIUM - N 10 TO 30  
 DENSE - N 30 TO 50  
 VERY DENSE - N MORE THAN 50

CONSISTENCY (PLASTIC - SILT & CLAY)  
 VERY SOFT - N LESS THAN 2  
 SOFT - N 2 TO 4  
 MEDIUM - N 4 TO 8  
 STIFF - N 8 TO 15  
 VERY STIFF - N 15 TO 30  
 HARD - N MORE THAN 30

	TOPSOIL OR FILL		IGNEOUS		SILTY CLAY
	GRAVEL		LIMESTONE		CLAYEY SAND
	SAND		CONGLOMERATE		SILTY CLAY
	SILT		DOLOMITE		CLAYEY SILT
	CLAY		SANDSTONE		SILTY SAND
	CLAYSTONE		SILTSTONE		SANDY SILT

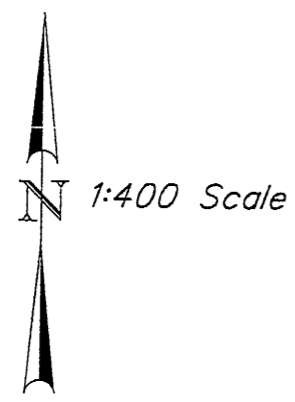


**ABBREVIATIONS**  
 UC = Unconfined Compression test  
 CT = Consolidation Test  
 SG = Specific Gravity Test  
 VS = Vane Shear Test

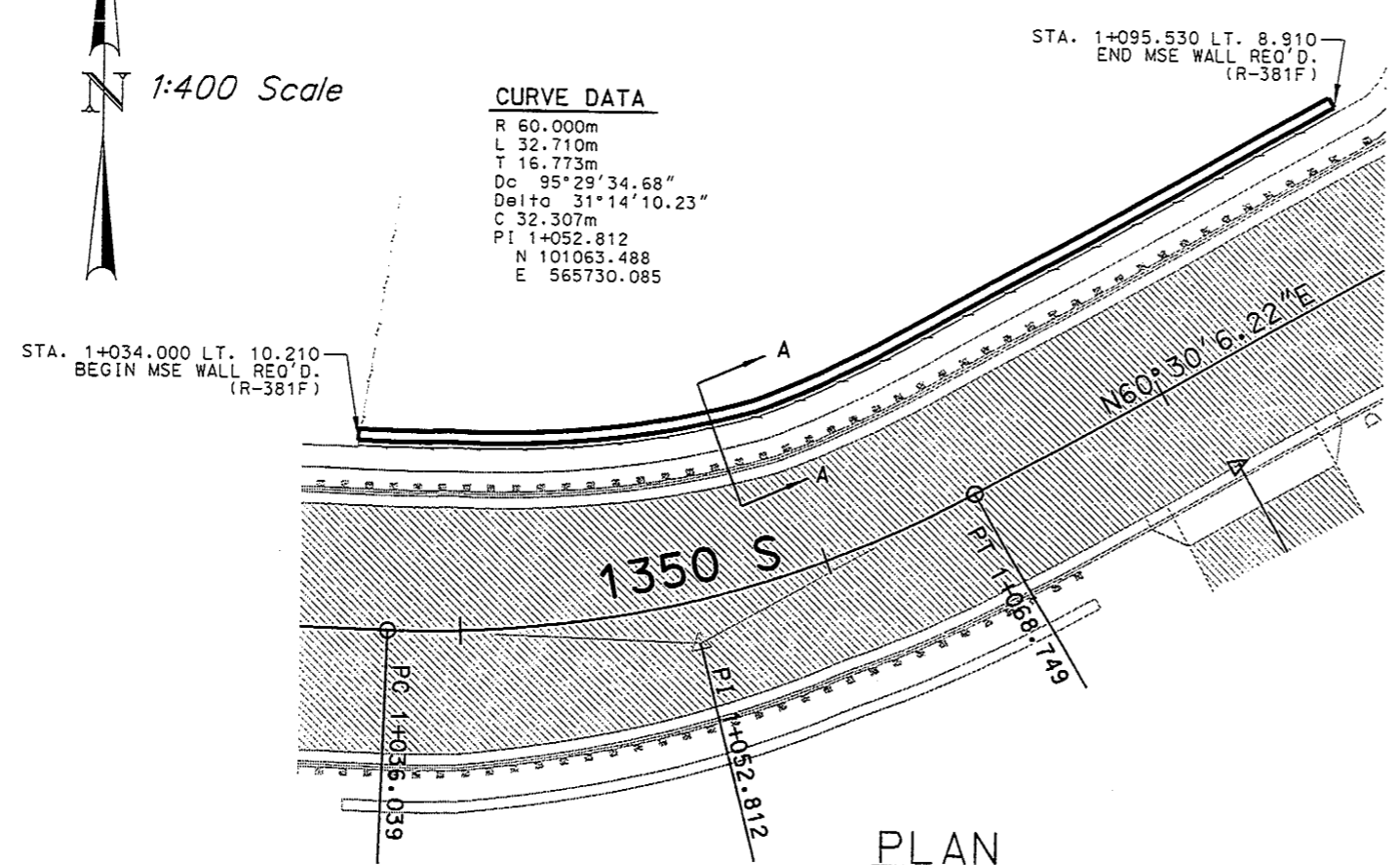
- GENERAL NOTES**
- THE SUBGRADE SURFACE EXPLORATIONS SHOWN WERE CONDUCTED ON AUG-19-99 BY UTAH DEPT. OF TRANSP. AND RB&G ENGINEERING.
  - THESE DRILL LOGS REPRESENT A SYNOPSIS OF THE SOIL DEPOSITS ENCOUNTERED WITHIN EACH 89 mm DIAMETER BORING AND ARE BASED ON SOUND GEOLOGICAL AND ENGINEERING JUDGEMENT. BECAUSE SOIL IS A COMPLEX MEDIUM, THESE DRILL LOGS MAY OR MAY NOT REPRESENT THE SOIL CONDITIONS AT THIS SITE. THIS SUBSURFACE INTERPRETATION IS PRESENTED IN GOOD FAITH AND IS NOT INTENDED AS A SUBSTITUTE FOR PERSONAL INVESTIGATION AND JUDGEMENT OF THE CONTRACTOR.
  - THE WATER LEVELS AND CONDITIONS INDICATED ON THE DRILL LOGS REPRESENT HOLE CONDITIONS ON THE DATE SHOWN, EITHER WITH CASING STILL IN PLACE OR WITH PERFORATED PLASTIC PIPE INSTALLED. IT SHOULD BE NOTED, HOWEVER, THAT AT LOCATIONS AWAY FROM THE TEST HOLES OR AT OTHER TIMES OF THE YEAR THE WATER LEVELS AND CONDITIONS MAY VARY SIGNIFICANTLY.
  - THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES AND TRANSITION MAY BE GRADUAL.
  - COBBLE - A ROCK FRAGMENT WITH AN AVERAGE DIMENSION BETWEEN 76 mm AND 305 mm.
  - BOULDER - A ROCK FRAGMENT WITH AN AVERAGE DIMENSION OF 305 mm OR MORE.

UTAH DEPARTMENT OF TRANSPORTATION		DESIGN		CHECK	
SALT LAKE CITY, UTAH		B/01		B/01	
STRUCTURES DIVISION		JMM		JMM	
DATE: 9/17/01		DATE: 9/17/01		DATE: 9/17/01	
APPROVAL		DESIGN		CHECK	
RECOMM.		B/01		B/01	
DATE: 9/17/01		DATE: 9/17/01		DATE: 9/17/01	
PROJECT NUMBER		SOIL DATA		STP-BRF-0126(3)14	
SR-126, 1800 SOUTH TO 12TH STREET, OGDEN		SR-126 OVER WEBER RIVER		WEBER COUNTY	
R-381E		DRG. NO.		SHT. 2 OF 2	

# MSE WALL R-381F



**CURVE DATA**  
 R 60.000m  
 L 32.710m  
 T 16.773m  
 Dc 95°29'34.68"  
 Delta 31°14'10.23"  
 C 32.307m  
 PI 1+052.812  
 N 101063.488  
 E 565730.085

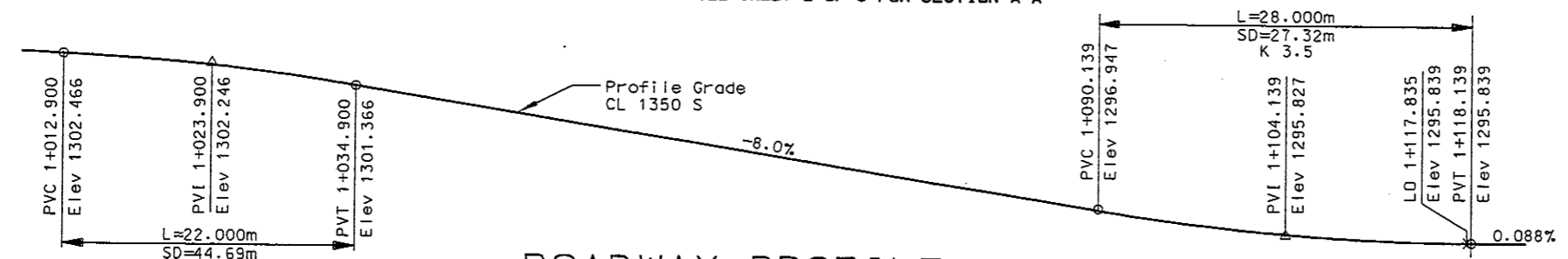


**NOTES:**

1. EXCAVATE A TEST PIT WITHIN THE FOUNDATION FOOTPRINT AT LEAST 3m DEEP WITH THE ENGINEER PRESENT TO VERIFY THE PRESENCE OF 2 METERS OF GRANULAR SOIL BENEATH THE WALL.
2. IF THE TEST PIT SHOWS 2 METERS OF GRANULAR SOIL, NO EXCAVATION BELOW THE LEVELING PAD IS REQUIRED.
3. IF THE TEST PIT SHOWS UNSUITABLE SOILS, EXCAVATE 2 METERS BELOW THE BOTTOM OF LEVELING PAD ELEVATION AND BACKFILL WITH SELECT MATERIAL MEETING THE REQUIREMENTS OF SECTION 02061M. THE WIDTH OF THIS EXCAVATION WILL BE THE WIDTH OF THE MSE WALL SECTION PLUS 1 METER. THE WATER LEVEL MUST BE KEPT AT LEAST 0.6m BELOW THE EXCAVATION DURING BACKFILLING OPERATIONS.

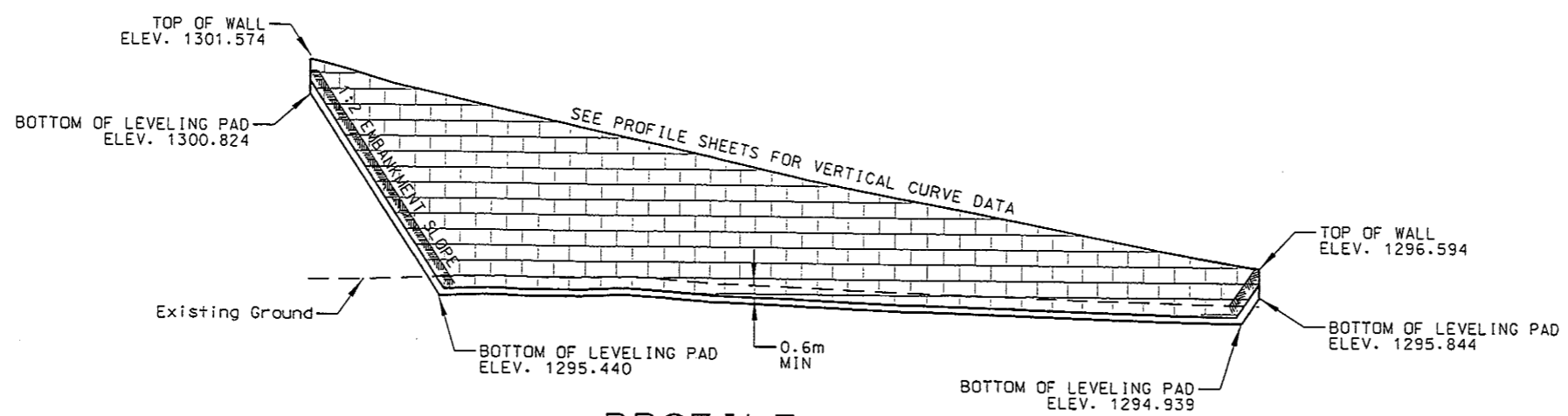
**PLAN**

SEE SHEET 2 OF 3 FOR SECTION A-A



**ROADWAY PROFILE**

2x VERT. SCALE



**PROFILE**

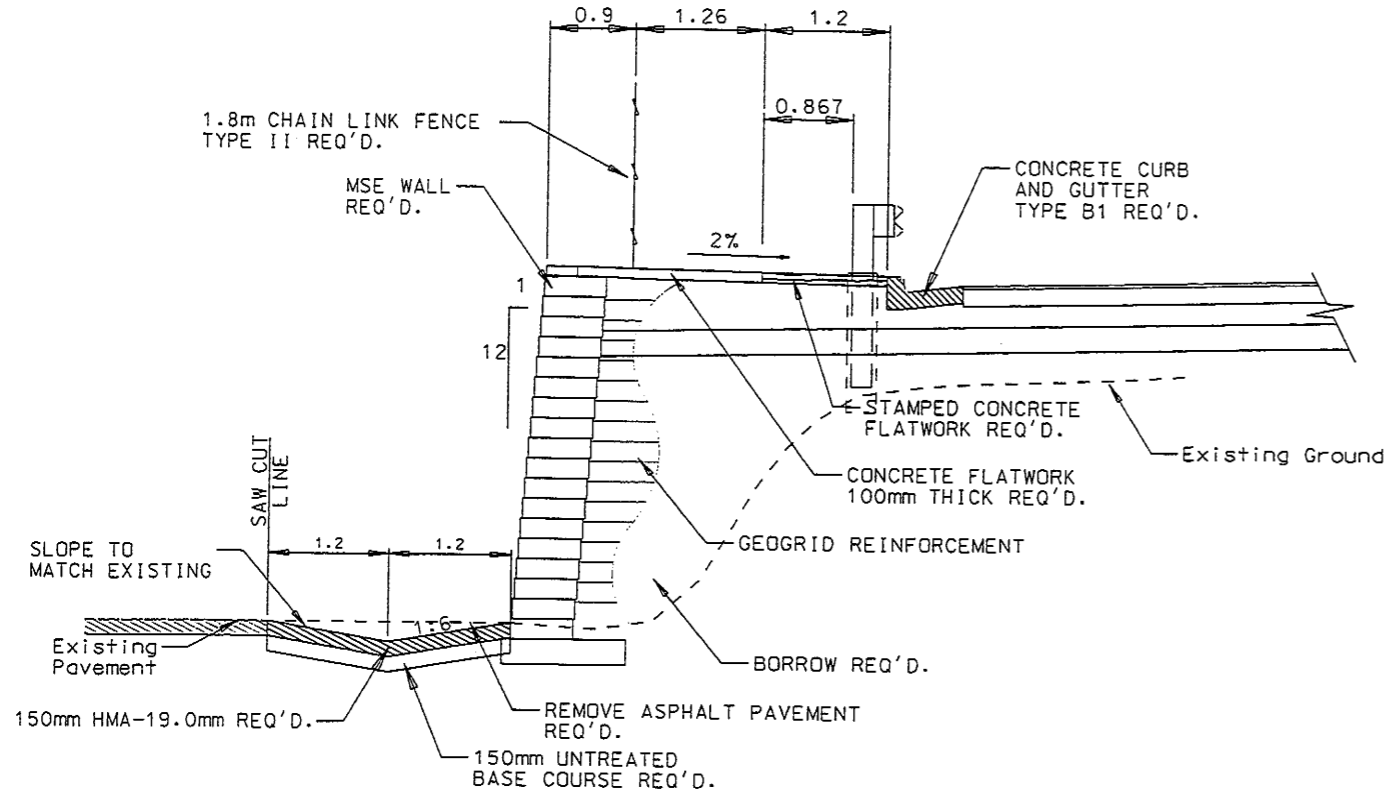
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UTAH DEPARTMENT OF TRANSPORTATION		REGION ONE, OGDEN		ROADWAY DESIGN	
DESIGN	RJ	7/01	CHECK	BK	8/01
DRAWN	RM	7/01	CHECK	RJ	8/01
QUANT.	RJ	7/01	CHECK	BK	8/01
APPROVAL	DATE	DATE	DATE	DATE	DATE
REC'D.	7/01	7/01	7/01	7/01	7/01
PROJECT DESIGN ENGINEER	[Signature]				
ROADWAY DESIGN ENGINEER	[Signature]				
SR-126, 1800 SOUTH TO 12TH STREET, OGDEN					
MSE WALL SITUATION AND LAYOUT					
PROJECT NUMBER STP-BRF-0126(3)14					
WEBER COUNTY					
R-381F ORG. NO.					
SHT. 1 OF 3					

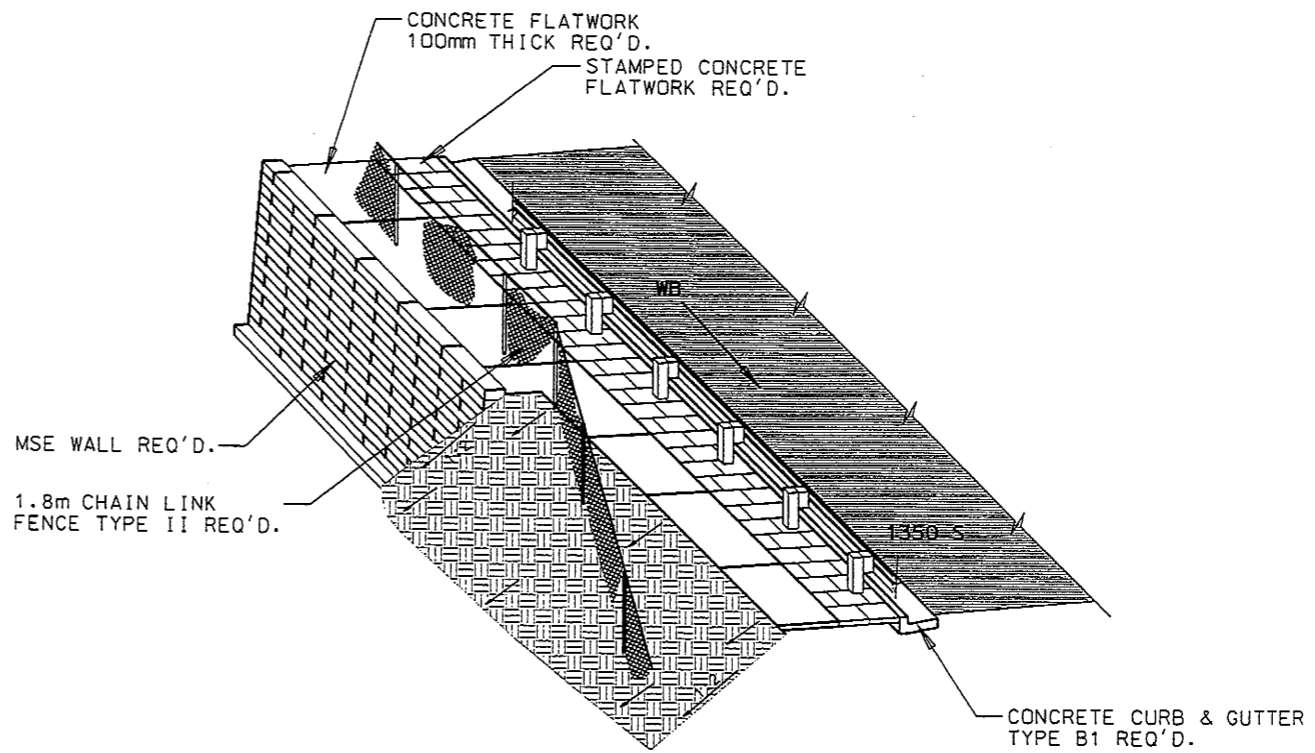
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# MSE WALL R-381F



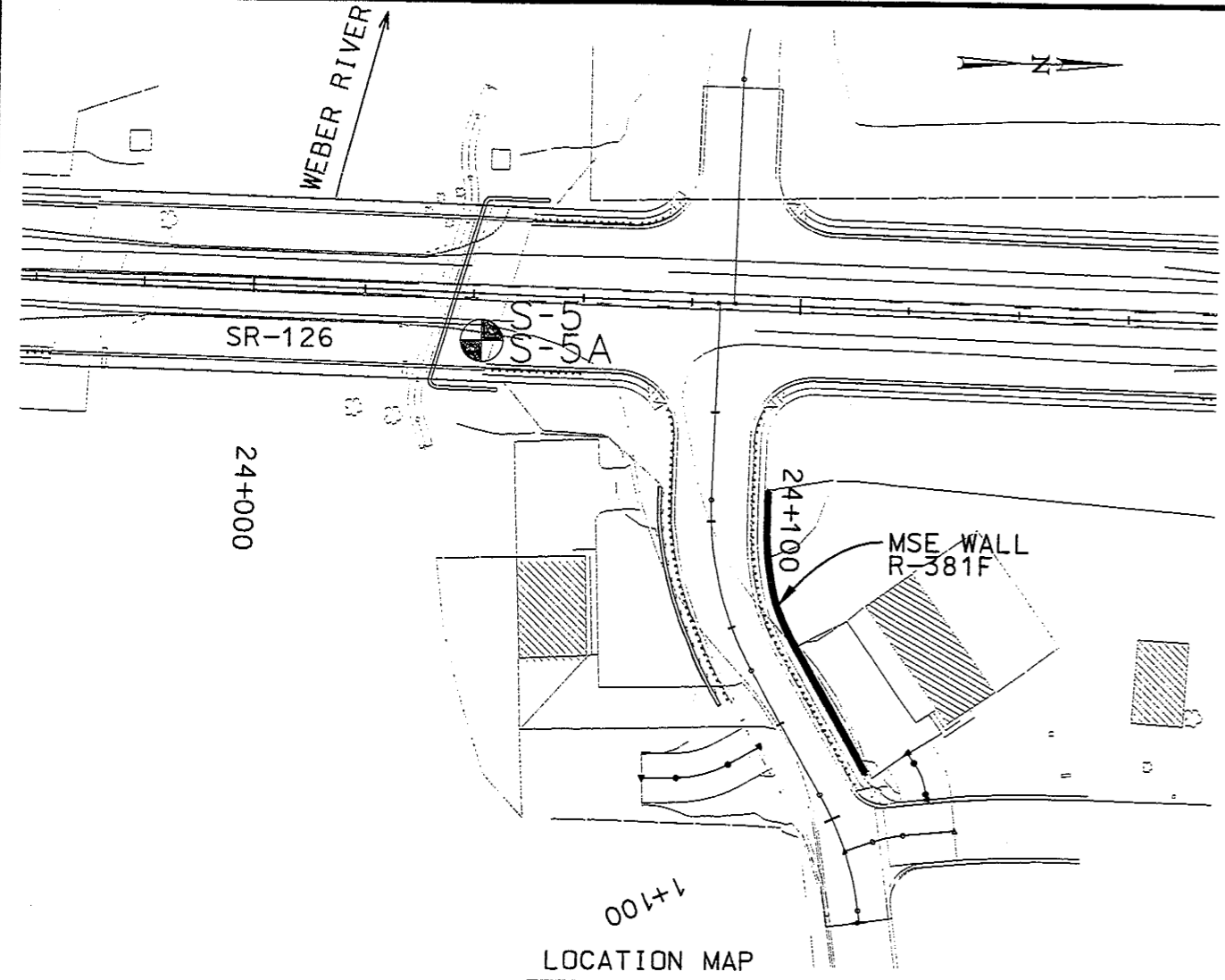
SECTION A-A



ISOMETRIC

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UTAH DEPARTMENT OF TRANSPORTATION REGION ONE, OGDEN ROADWAY DESIGN		DESIGN RJ 7/01 CHECK BK 8/01	DRAWN RM 7/01 CHECK RJ 8/01	QUANT. RJ 7/01 CHECK BK 8/01
APPROVAL RECON. 7/01	DATE	PROJECT DESIGN ENGINEER <i>R. J. Weber</i>	ROADWAY DESIGN ENGINEER <i>R. J. Weber</i>	REVISIONS
APPROVED DATE 9/17/01		BY DATE 8/01		
SR-126, 1800 SOUTH TO 12TH STREET, OGDEN		MSE WALL SITUATION AND LAYOUT		
PROJECT NUMBER STP-BRF-0126(3)14		SHT. 2 OF 3		
WEBER COUNTY		R-381F DRG. NO.		



**DRILL HOLE LOG**  
PROJECT: OGDEN SR-126 1800 SOUTH TO 12TH STREET PROJECT NO.: 200028.000  
CLIENT: UTAH DEPARTMENT OF TRANSPORTATION DATE: 12/11/00  
LOCATION: SR-126 STA. 24+041.78 RT. 8.57 ELEVATION: -1297.30m  
DRILLER: B. HARTLEY LOGGED BY: M. HANSEN/J. BOONE  
EQUIP./DRILL METHOD: CME-55 / N.W. CASING  
DEPTH TO WATER - INITIAL: 2.59m AFTER 24 HOURS: 3.87m

Elev. (m)	Depth (m) (Feet)	Lithology	Blows Per 152mm	USCS (AASHTO)	Material Description	Grain Size		Other Tests
						Wet	Dry	
1295	1	CP-GM	3.6,5		gray wet, med. dense GRAVEL W/SAND AND SILT			
1295	2	GM	4.3,32	(A-1-600)	dk. brown moist to wet, med. dense to loose, SILTY GRAVEL W/SAND Hitting something hard at bottom of sample, maybe concrete			
1295	3	SM	3.2,2		brown, very soft wet, loose, silty SANDY CLAY See Boring No. B-55A			
1295	4	CL	7.6,4		brown, very moist LEAN CLAY			
1295	5	CP	10,9,7		gray wet, med. dense GRAVEL W/SAND			
1295	6	CL	10,9,3		gray-brown w/black spots, moist, firm			CT UC
1295	7	CL	13,2,0.72		gray-brown moist, stiff			
1295	8	CL	13,5,31.6		gray-brown moist, firm			CT
1295	9	SM	3,3,3,0.42		dk. brown-gray SILTY SAND			
1295	10	CL	13,3,33.6,43,20,0		gray-brown moist, stiff			CT
1295	11	CL	2,2,2,0.48		gray-brown moist, firm			
1295	12	CL	13,9,32,1		gray-brown moist, stiff w/interbedded sand layers			

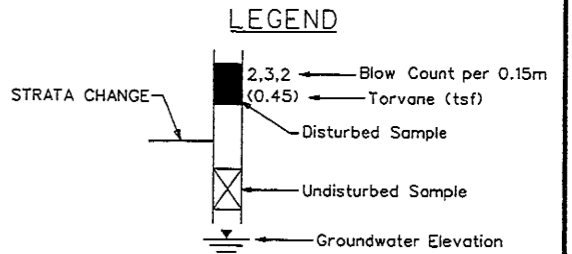
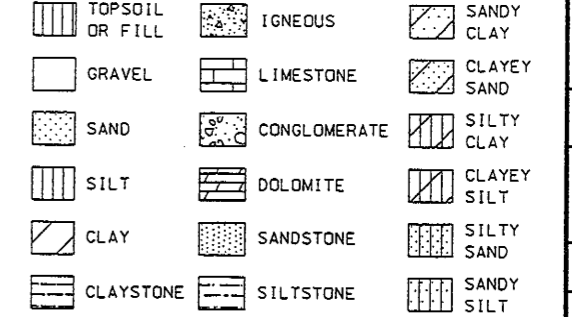
Depth Continues on Boring No. S-5A

**DRILL HOLE LOG**  
PROJECT: OGDEN SR-126 1800 SOUTH TO 12TH STREET PROJECT NO.: 200028.000  
CLIENT: UTAH DEPARTMENT OF TRANSPORTATION DATE: 12/12/00 TO 12/14/00  
LOCATION: SR-126 STA. 24+041.78 RT. 8.57 ELEVATION: 1297.38m  
DRILLER: B. HARTLEY LOGGED BY: M. HANSEN/J. BOONE  
EQUIP./DRILL METHOD: CME-55 / N.W. CASING  
DEPTH TO WATER - INITIAL: 2.60m AFTER 24 HOURS: 3.78m

Elev. (m)	Depth (m) (Feet)	Lithology	Blows Per 152mm	USCS (AASHTO)	Material Description	Grain Size		Other Tests
						Wet	Dry	
1295	1	GM			SILTY GRAVEL W/SAND			
1295	2	CL	11,1,0.30	(A-4-13)	brown very moist to wet, very soft SANDY CLAY W/SILTY SAND LAYERS			33.3, 34, 7, 0, 37, 63
1295	3	GP	14,17,16		gray wet, dense GRAVEL W/SAND			
1295	4	CL	12,3,0.46	(A-6-11)	gray-brown moist, firm LEAN CLAY W/SILTY SAND LENSES AND SMALL LAYERS			31.2, 40, 18, 0, 3, 97
1295	5	CL	4,7,17,0.40		gray-brown moist, firm dk. gray SILTY SAND W/CLAY LENSES			34.4
1295	6	CL	0.56	(A-7-31)	gray-brown moist, stiff LEAN CLAY			13.2, 35.5, 41, 21, 0, 14, 86
1295	7	CL	12,13,13,0.46	(A-2-40)	gray-brown moist, stiff LEAN CLAY W/SILTY SAND LENSES AND LAYERS			30.7, 20.9, NP, 0, 70, 30
1295	8	SM	0.76		dk. gray SILTY SAND			
1295	9	CL	0.16, 0.51, 0.76		gray-brown moist, stiff LEAN CLAY W/SILTY SAND LENSES AND LAYERS			12.9, 37.6
1295	10	CL,SM	0.71		gray-brown moist, stiff LEAN CLAY W/SILTY SAND LENSES AND LAYERS			28.5
1295	11	CL,SM	0.3,7,0.48,0.78		gray to dk. gray moist, stiff to firm SANDY FAT CLAY			13.1, 33.5
1295	12	CH	0.83, 4.1,17,0.99		dk. gray brown SILTY SAND W/CLAY LENSES AND LAYERS			29.3, 52, 30, 0, 33, 67
1295	13	SM	11,13,21	(A-2-40)	dk. brown wet, dense SILTY SAND			13.2, 35.5
1295	14	SM	14,29,25		brown wet, med. dense SILTY SAND			25.8, NP, 0, 63, 37
1295	15	SP-SM	23,27,31	(A-31)	brown to gray-brown wet, very dense SAND W/SILT			
1295	16	CH	0.77	(A-7-6)	green-gray moist, stiff FAT CLAY W/SAND LENSES			14.0, 30.3, 53, 32, 0, 3, 97
1295	17	SM	9,11,25		dk. gray wet, med. dense SILTY SAND W/CLAY LENSES AND LAYERS UP TO 25mm THICK			
1295	18	SM	9,11,13	(A-4-10)	dk. brown and gray-green moist to wet, med. dense SILTY SAND W/CLAY LAYERS AND LENSES			21.3, NP, 0, 60, 40
1295	19	SP-SM	23,34,34	(A-31)	dk. gray wet, very dense SAND W/SILT			22.6, NP, 1, 90, 9
1295	20	SM	22,34,40		dk. gray wet, very dense, w/clay lenses, trace fine gravel SAND W/SILT			
1295	21	CL	13,8,33.0,36,16,0		green LEAN CLAY			13.8, 33.0, 36, 16, 0, 9, 91
1295	22	CL	11,11,14,0.79	(A-6-17)	greenish-gray-brown moist, stiff SANDY LEAN CLAY W/CLAY SAND LAYERS			30, 12, 0, 25, 75
1295	23	CL	0.72		sl. green moist, stiff			37.9
1295	24	CL	0.62	(A-7-31)	dk. gray moist, stiff SANDY CLAY W/CLAY AND SAND LAYERS			

**KEY TO DRILLING LOG**  
RELATIVE DENSITY (NON-PLASTIC SAND & SILT)  
VERY LOOSE - N LESS THAN 4  
LOOSE - N 4 TO 10  
MEDIUM - N 10 TO 30  
DENSE - N 30 TO 50  
VERY DENSE - N MORE THAN 50

CONSISTENCY (PLASTIC - SILT & CLAY)  
VERY SOFT - N LESS THAN 2  
SOFT - N 2 TO 4  
MEDIUM - N 4 TO 8  
STIFF - N 8 TO 15  
VERY STIFF - N 15 TO 30  
HARD - N MORE THAN 30



**ABBREVIATIONS**  
UC = Unconfined Compression test  
CT = Consolidation Test  
SG = Specific Gravity Test  
VS = Vane Shear Test

- GENERAL NOTES**
- THE SUBGRADE SURFACE EXPLORATIONS SHOWN WERE CONDUCTED ON AUG-19-99 BY UTAH DEPT. OF TRANSP. AND RB&G ENGINEERING.
  - THESE DRILL LOGS REPRESENT A SYNOPSIS OF THE SOIL DEPOSITS ENCOUNTERED WITHIN EACH 89 mm DIAMETER BORING AND ARE BASED ON SOUND GEOLOGICAL AND ENGINEERING JUDGEMENT. BECAUSE SOIL IS A COMPLEX MEDIUM, THESE DRILL LOGS MAY OR MAY NOT REPRESENT THE SOIL CONDITIONS AT THIS SITE. THIS SUBSURFACE INTERPRETATION IS PRESENTED IN GOOD FAITH AND IS NOT INTENDED AS A SUBSTITUTE FOR PERSONAL INVESTIGATION AND JUDGEMENT OF THE CONTRACTOR.
  - THE WATER LEVELS AND CONDITIONS INDICATED ON THE DRILL LOGS REPRESENT HOLE CONDITIONS ON THE DATE SHOWN, EITHER WITH CASING STILL IN PLACE OR WITH PERFORATED PLASTIC PIPE INSTALLED. IT SHOULD BE NOTED, HOWEVER, THAT AT LOCATIONS AWAY FROM THE TEST HOLES OR AT OTHER TIMES OF THE YEAR THE WATER LEVELS AND CONDITIONS MAY VARY SIGNIFICANTLY.
  - THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES AND TRANSITION MAY BE GRADUAL.
  - COBBLE - A ROCK FRAGMENT WITH AN AVERAGE DIMENSION BETWEEN 76 mm AND 305 mm.
  - BOULDER - A ROCK FRAGMENT WITH AN AVERAGE DIMENSION OF 305 mm OR MORE.

UTAH DEPARTMENT OF TRANSPORTATION  
SALT LAKE CITY, UTAH  
STRUCTURES DIVISION

SR-126, 1800 SOUTH TO 12TH STREET, OGDEN  
SR-126 OVER WEBER RIVER  
SOIL DATA

DESIGN: P. O. [Signature]  
DRAWN: JMM  
CHECK: [Signature]  
DATE: 8/01

PROJECT NUMBER: STP-BRF-0126(3)4

WEBER COUNTY  
R-381F  
DRG. NO.

SHT. 3 OF 3