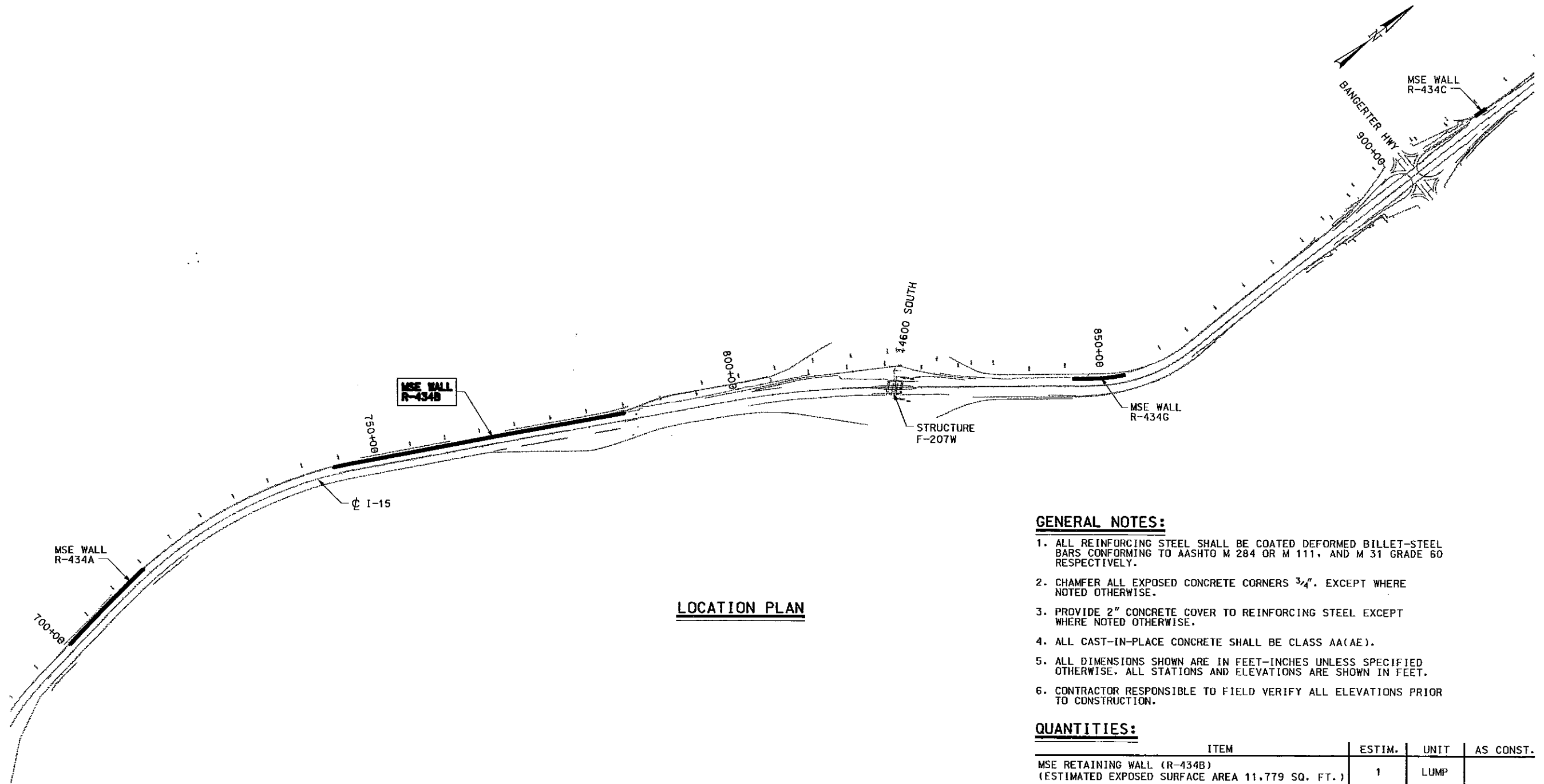


D:\15 UTAH CO. LINE TO 10600 SO. WALL R-434B\15555\_01\Sheet\I-15\Structures\Walls\I-15\15555\_01.dwg



**GENERAL NOTES:**

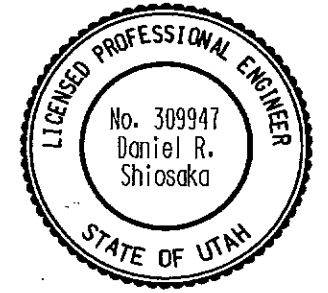
1. ALL REINFORCING STEEL SHALL BE COATED DEFORMED BILLET-STEEL BARS CONFORMING TO AASHTO M 284 OR M 111, AND M 31 GRADE 60 RESPECTIVELY.
2. CHAMFER ALL EXPOSED CONCRETE CORNERS 3/4". EXCEPT WHERE NOTED OTHERWISE.
3. PROVIDE 2" CONCRETE COVER TO REINFORCING STEEL EXCEPT WHERE NOTED OTHERWISE.
4. ALL CAST-IN-PLACE CONCRETE SHALL BE CLASS AA(AE).
5. ALL DIMENSIONS SHOWN ARE IN FEET-INCHES UNLESS SPECIFIED OTHERWISE. ALL STATIONS AND ELEVATIONS ARE SHOWN IN FEET.
6. CONTRACTOR RESPONSIBLE TO FIELD VERIFY ALL ELEVATIONS PRIOR TO CONSTRUCTION.

**QUANTITIES:**

ITEM	ESTIM.	UNIT	AS CONST.
MSE RETAINING WALL (R-434B) (ESTIMATED EXPOSED SURFACE AREA 11,779 SQ. FT.)	1	LUMP	

**DESIGN DATA:**

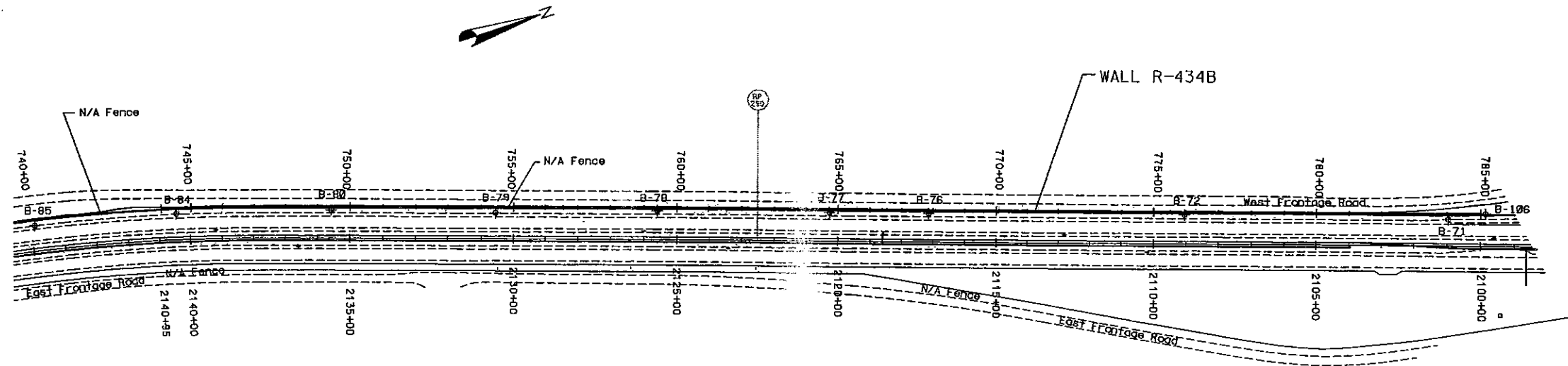
CAST-IN-PLACE CONCRETE:  $f'_c = 3650$  psi;  $f'_c = 1200$  psi;  
(FOR COPING)  $f'_s$  (REINF.) = 24,000 psi;  $n=9$



UTAH DEPARTMENT OF TRANSPORTATION SALT LAKE CITY, UTAH STRUCTURES DIVISION		DESIGN BPD 01/04 CHECK DRS 01/04	DRWN NRD 01/04 CHECK DRS 01/04	QUANT. NRD 01/04 CHECK DRS 01/04
I-15 UTAH CO. LINE TO 10600 SO. WALL R-434B	SITUATION AND LAYOUT	APPROVAL DATE 1/12/04 RECORD DATE 01/12/04	SECTOR DESIGN ENGR.	UNIT BRIDGE ENGR.
		APPROVED BY [Signature]	DATE [Date]	REMARKS
		PROJECT NUMBER SP-15-7(167)288	NO.	DATE
		SALT LAKE COUNTY	BY	REVISIONS
		R-434B		
		ORG. NO.		
		SHT. 1	OF 15	

KLEINFELDER PROJECT NO: 33948.980			
NO.	BY	DATE	REMARKS
REVISIONS			

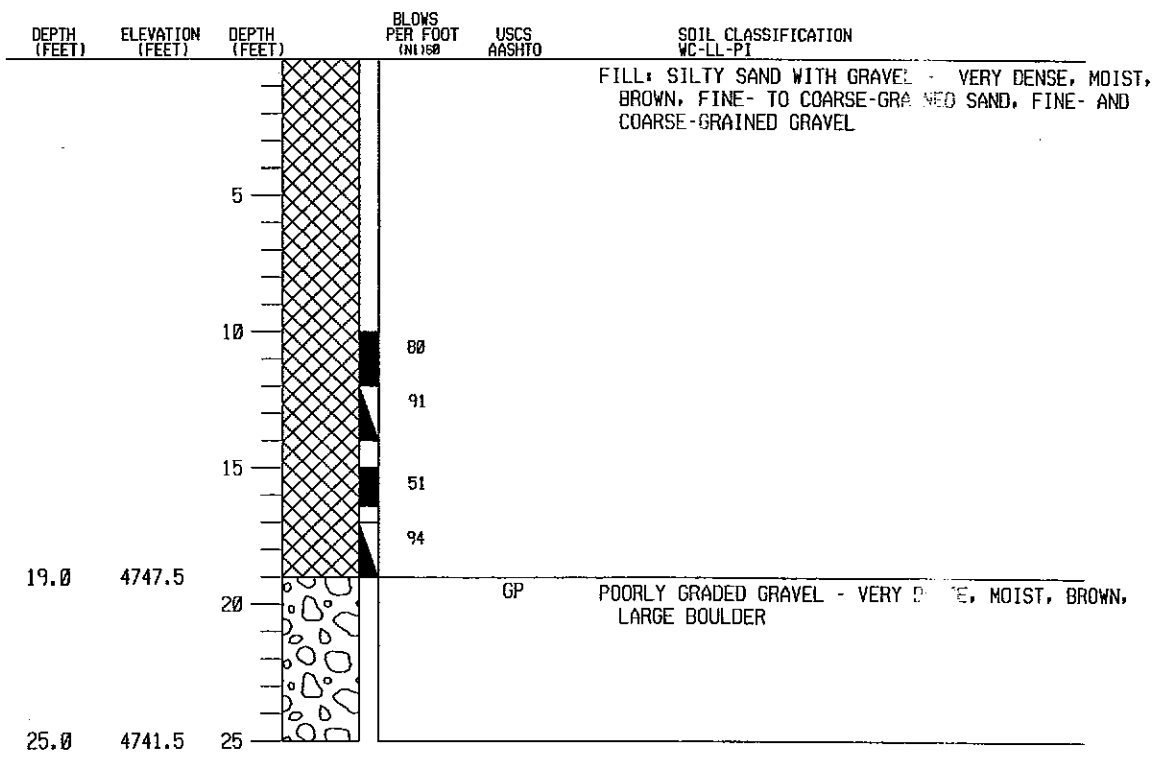
## BORIN LOCATION PLAN



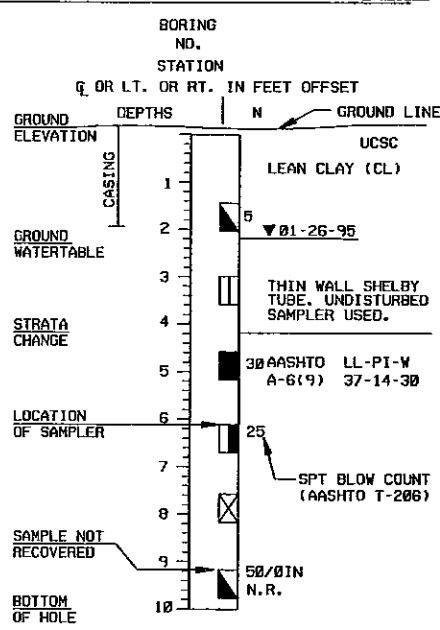
### GENERAL NOTES

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5. COBBLE - A ROCK FRAGMENT WITH AN AVERAGE DIMENSION BETWEEN 3 AND 12 INCHES.
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7. IN ORDER TO PROVIDE MORE CONSISTENCY AND UNIFORMITY WITH GEOTECHNICAL AND CONSTRUCTION INDUSTRY STANDARDS, UDOT HAS ADOPTED THE UNIFIED SOIL CLASSIFICATION SYSTEM (USCS) ON BOTH THE SOIL EXPLORATION LOGS AND IN THE REPORT'S SOIL DESCRIPTIONS. HOWEVER, THE AASHTO GROUP CLASSIFICATIONS WILL ALSO CONTINUE TO BE USED AS SHOWN HEREIN.

BORING  
B-85  
ELEVATION 4786.5 FEET  
STATION 740+12.123 79.570 LT.



### LEGEND



- #### ABBREVIATIONS
- L.L. - LIQUID LIMIT
  - P.I. - PLASTIC INDEX
  - W. - NATURAL MOISTURE CONTENT IN %
  - PEN. - PENETRATION
  - G.W.T. - GROUND WATER TABLE
  - N - SPT BLOW COUNT-BLOWS PER 12IN
  - N.P. - NON PLASTIC
  - AASHTO - SOIL CLASSIFICATION SYSTEM
  - USCS - UNIFIED CLASSIFICATION SYSTEM
  - N.V. - NO VALUE
  - N.R. - NO SAMPLE RECOVERED
  - E.R. - SAMPLING HAMMER ENERGY RATIO

- #### LOG KEY SYMBOLS
- █ BULK, BAG, OR GRAB SAMPLE
  - █ STANDARD PENETRATION SPLIT SPOON SAMPLER (2" OUTSIDE DIAMETER)
  - █ MODIFIED CALIFORNIA SAMPLER (2-1/2" OUTSIDE DIAMETER)
  - █ CALIFORNIA SAMPLER (3" OUTSIDE DIAMETER)
  - █ SHELBY TUBE (3" OUTSIDE DIAMETER)
  - ▽ WATER LEVEL (MEASURED OR FIRST ENCOUNTERED)

### UNIFIED SOIL CLASSIFICATION SYSTEM

GRAVELS	GRAVELS	GW	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
COARSE-GRAINED SOILS	GRAVELS WITH LITTLE OR NO FINES	GP	POORLY-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
< 50% COARSE	GRAVELS WITH > 12% FINES	GM	SILTY GRAVELS, POORLY-GRADED GRAVEL-SAND-SILT MIXTURES
*4 SIEVE	GRAVELS WITH > 12% FINES	GC	CLAYEY GRAVELS, POORLY-GRADED GRAVEL-SAND-CLAY MIXTURES
< 50% COARSE	SANDS WITH LITTLE OR NO FINES	SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
*200 SIEVE	SANDS WITH > 12% FINES	SP	POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
*4 SIEVE	SANDS WITH > 12% FINES	SM	SILTY SANDS, POORLY-GRADED SAND-GRAVEL-SILT MIXTURES
		SC	CLAYEY SANDS, POORLY-GRADED SAND-GRAVEL-CLAY MIXTURES
FINE-GRAINED SOILS	SILTS & CLAYS LIQUID LIMIT < 50	ML	INORGANIC SILT & VERY FINE SANDS, SILTY OR CLAYEY FINE SANDS, CLAYEY SILTS WITH SLIGHT PLASTICITY
> 50% COARSE	SILTS & CLAYS LIQUID LIMIT > 50	CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
*200 SIEVE		OL	ORGANIC SILTS & CLAYS OF LOW PLASTICITY
		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILT
		CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
		OH	ORGANIC SILTS & CLAYS OF MEDIUM-TO-HIGH PLASTICITY
		PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENT

### APPARENT/RELATIVE DENSITY - COARSE-GRAINED SOIL

APPARENT DENSITY	SPT	MODIFIED CALIFORNIA SAMPLER	CALIFORNIA SAMPLER	RELATIVE DENSITY	FIELD TEST
VERY LOOSE	< 4	< 4	< 5	0 - 15	EASILY PENETRATED WITH 1/2 IN. REINFORCING ROD PUSHED BY HAND.
LOOSE	4 - 10	4 - 12	5 - 15	15 - 35	DIFFICULT TO PENETRATE WITH 1/2 IN. REINFORCING ROD PUSHED BY HAND.
MEDIUM DENSE	10 - 30	12 - 35	15 - 40	35 - 65	EASILY PENETRATED A FOOT WITH 1/2 IN. REINFORCING ROD DRIVEN WITH 5 LB. HAMMER.
DENSE	30 - 50	30 - 60	40 - 70	65 - 85	DIFFICULT TO PENETRATE A FOOT WITH 1/2 IN. REINFORCING ROD DRIVEN WITH 5 LB. HAMMER.
VERY DENSE	> 50	> 60	> 70	85 - 100	PENETRATED ONLY A FEW INCHES WITH 1/2 IN. REINFORCING ROD DRIVEN WITH 5 LB. HAMMER.

### CONSISTENCY - FINE-GRAINED SOIL

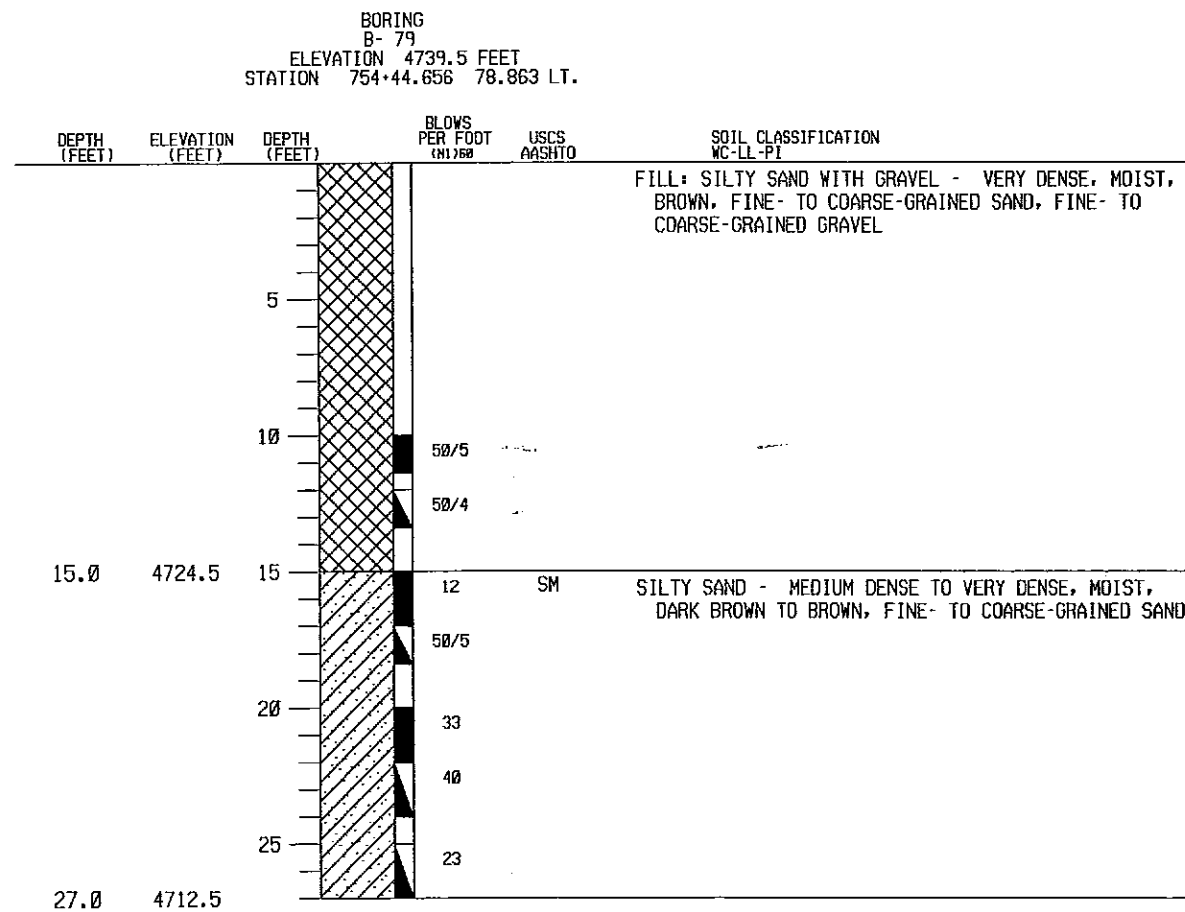
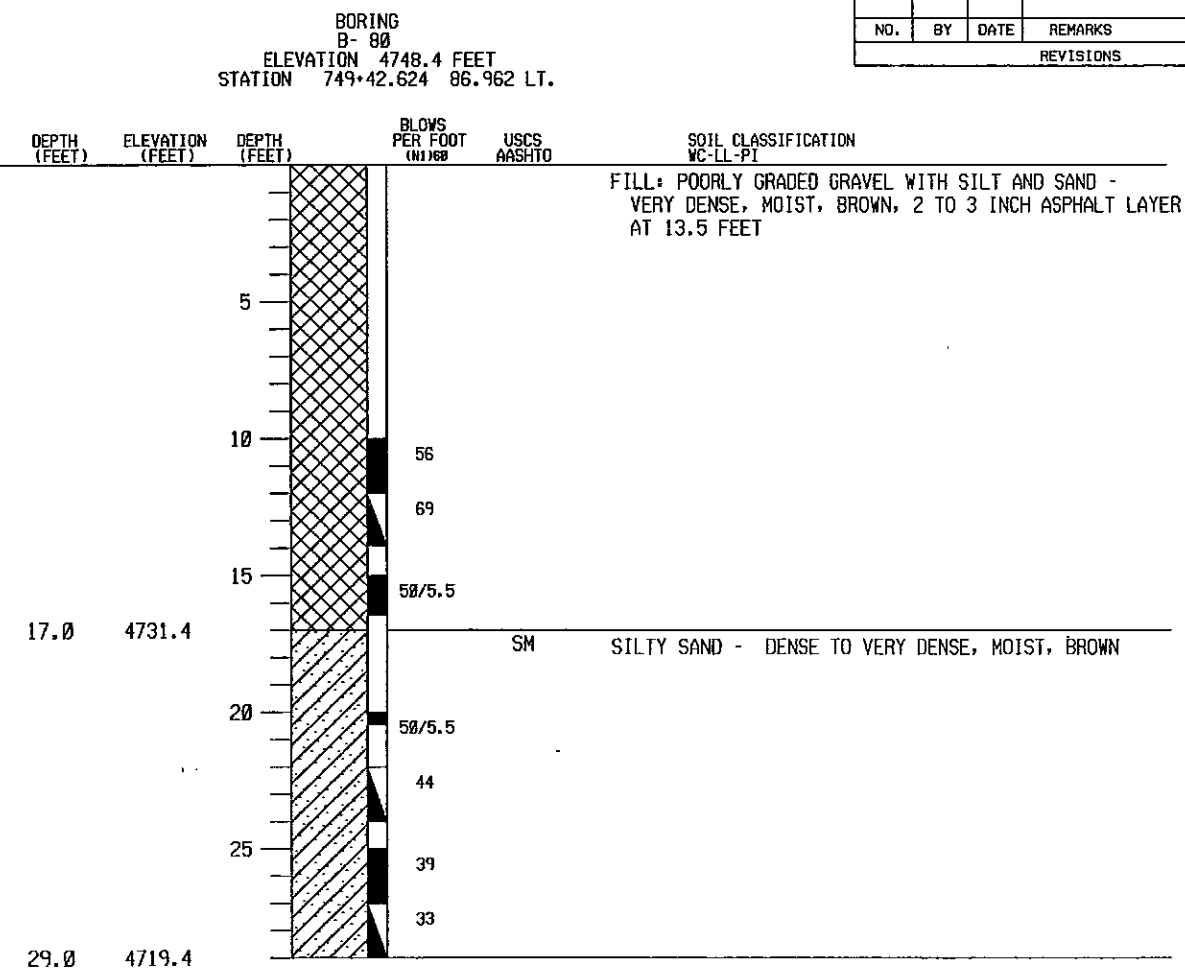
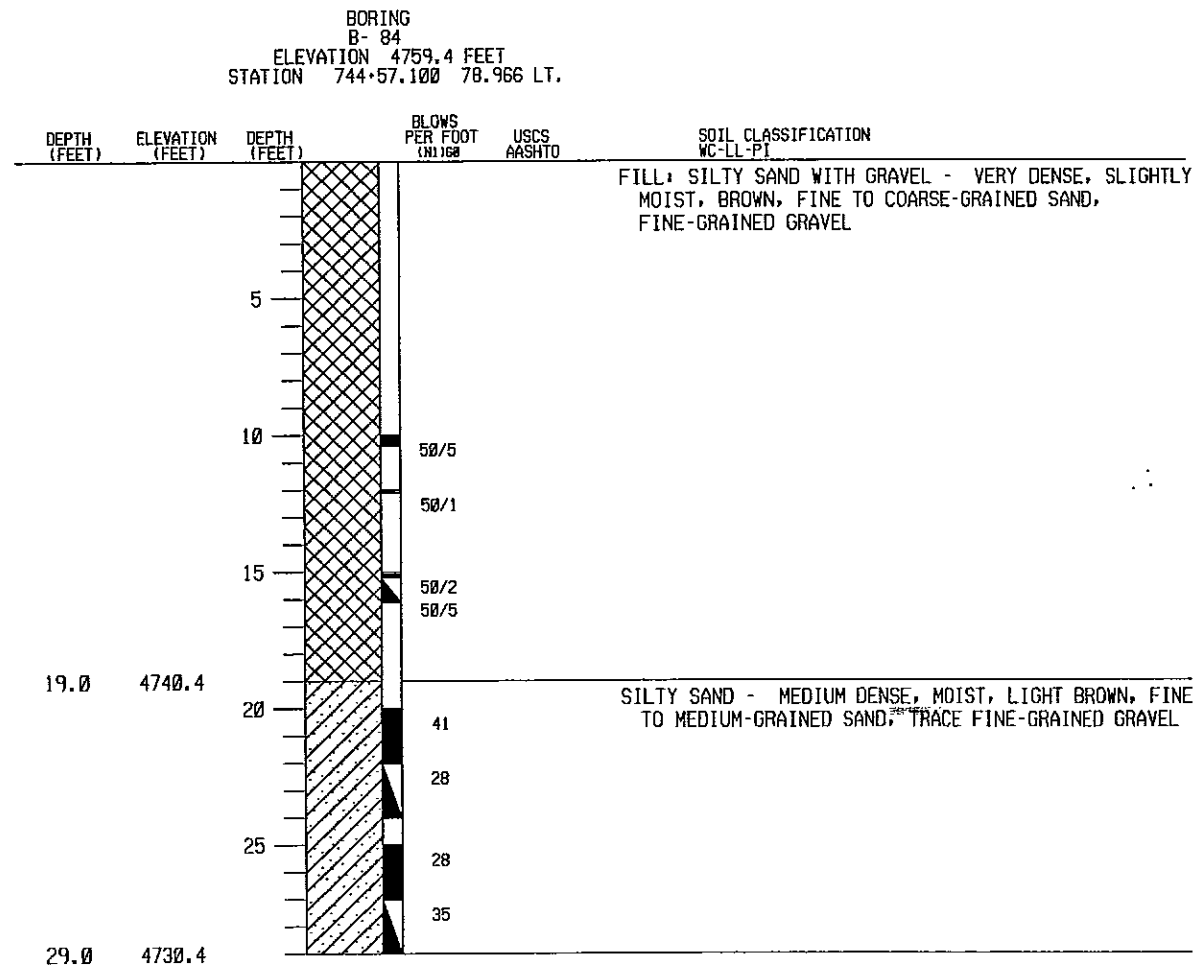
CONSISTENCY	SPT	TORVANE	POCKET PENETROMETER	FIELD TEST
VERY SOFT	< 2	< 0.125	< 0.25	EASILY PENETRATED SEVERAL CENTIMETERS BY THUMB. EXIDES BETWEEN THUMB AND FINGERS WHEN SQUEEZED IN HAND.
SOFT	2 - 4	0.125 - 0.25	0.25 - 0.5	EASILY PENETRATED ONE INCH BY THUMB. MOLDED BY LIGHT FINGER PRESSURE.
MEDIUM STIFF	4 - 8	0.25 - 0.5	0.5 - 1.0	PENETRATED OVER 1/2 IN. BY THUMB WITH MODERATE EFFORT. MOLDED BY STRONG FINGER PRESSURE.
STIFF	8 - 15	0.5 - 1.0	1.0 - 2.0	INDENTED ABOUT 1/2 IN. BY THUMB BUT PENETRATED ONLY WITH GREAT EFFORT.
VERY STIFF	15 - 30	1.0 - 2.0	2.0 - 4.0	READILY INDENTED BY THUMBAIL.
HARD	> 30	> 2.0	> 4.0	INDENTED WITH DIFFICULTY BY THUMBAIL.

I-15, UTAH CO LINE TO 10600 SUTAH DEPARTMENT OF TRANSPORTATION  
 KLEINFELDER, INC.  
 SALT LAKE CITY, UTAH

SOIL DATA SHEET  
 R-434B  
 SHT. 2 OF 15

PROJECT NUMBER SP-15-7(167)288

NO.	BY	DATE	REMARKS
REVISIONS			



**LOG KEY SYMBOLS**


**GENERAL NOTES**

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SUTAH DEPARTMENT OF TRANSPORTATION  
KLEINFELDER, INC.  
SALT LAKE CITY, UTAH

I-15, UTAH CO LINE TO 10600  
I-15  
SOIL DATA SHEET

SALT LAKE COUNTY  
R-434B  
DRG. NO.  
SHT. 3 OF 15

REVISIONS

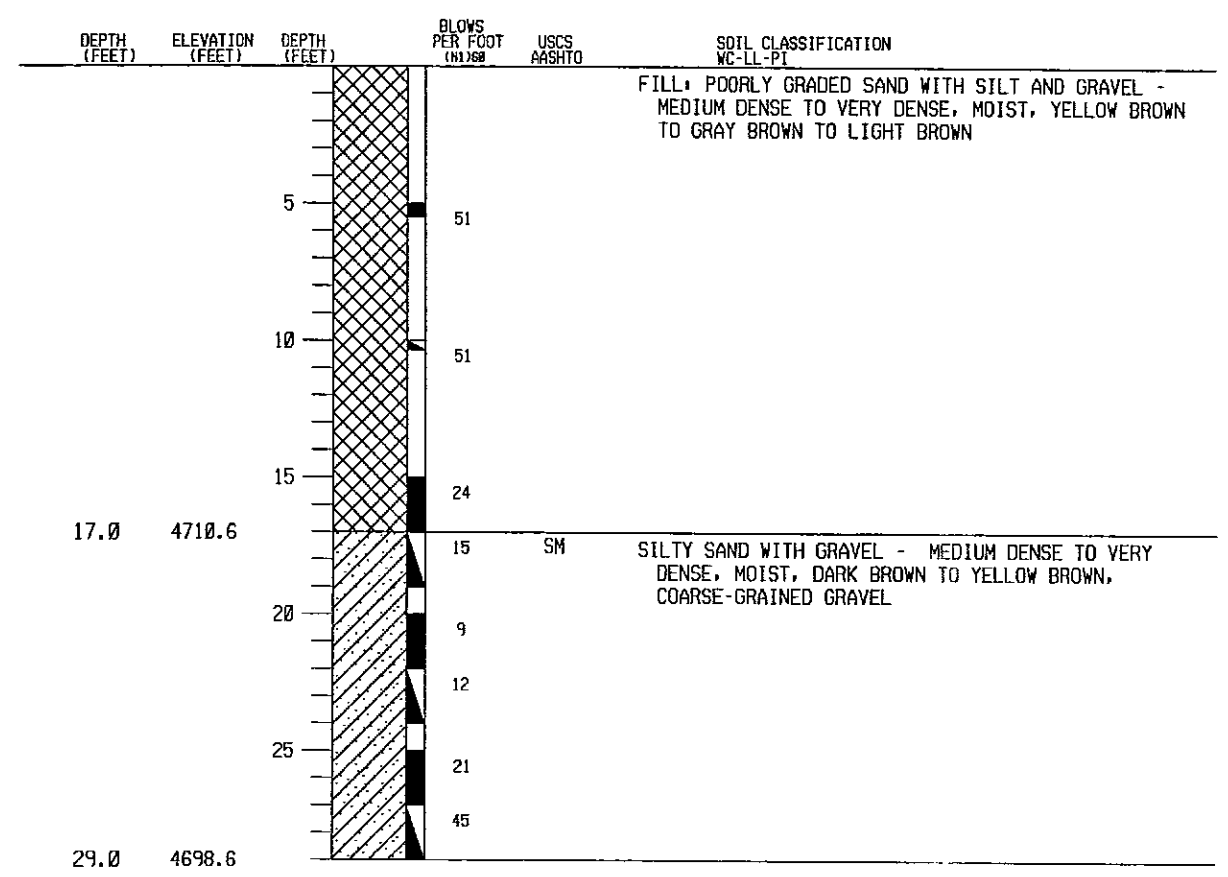
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QUANT.		CHECK	

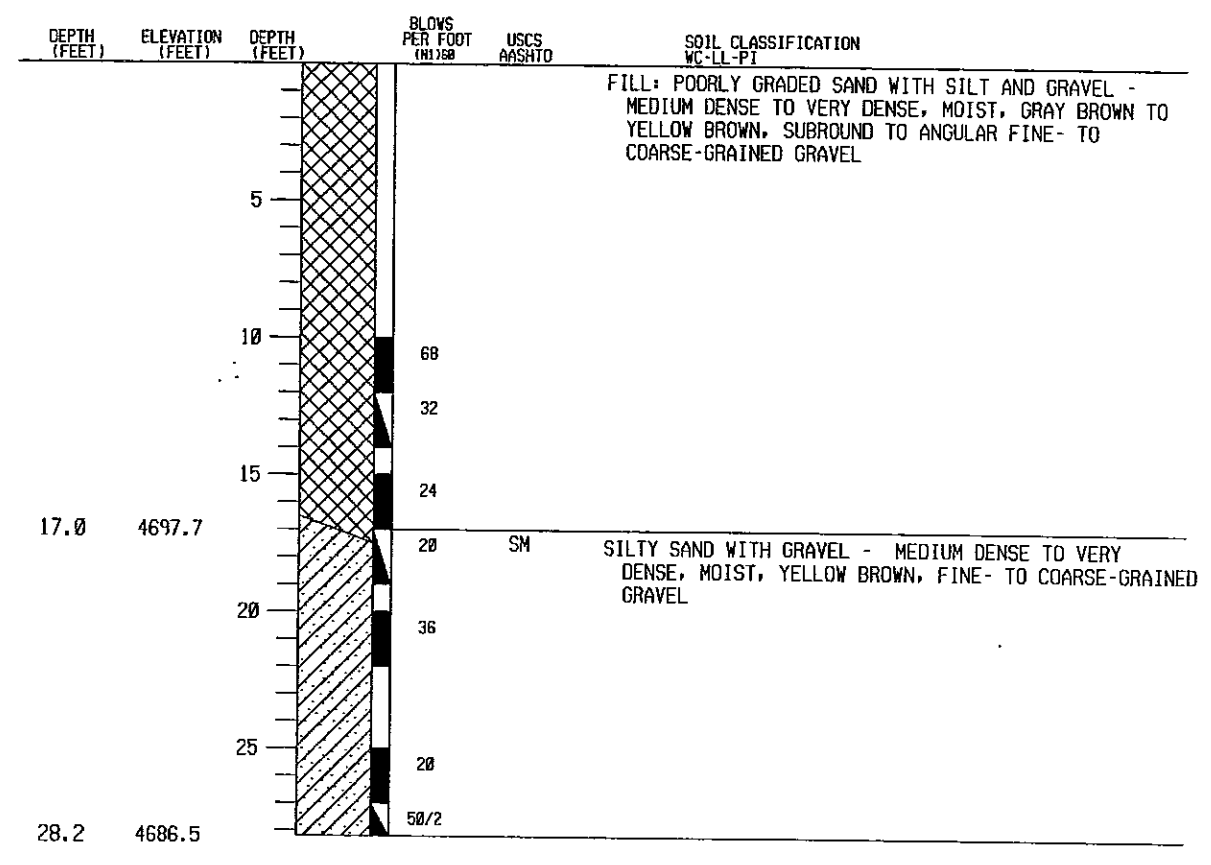
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SP-15-7(167)288

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NO.	BY	DATE	REMARKS
REVISIONS			

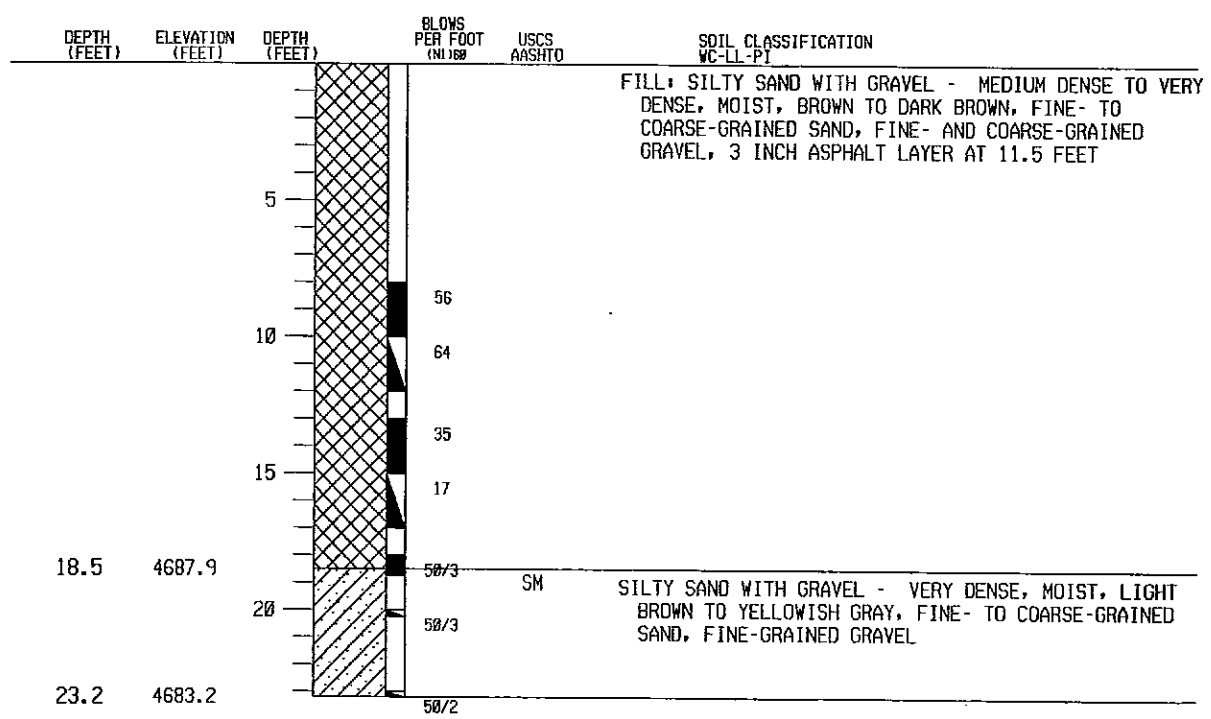
BORING  
B- 78  
ELEVATION 4727.6 FEET  
STATION 759+41.567 87.745 LT.



BORING  
B- 77  
ELEVATION 4714.7 FEET  
STATION 764+74.373 88.139 LT.



BORING  
B- 76  
ELEVATION 4706.4 FEET  
STATION 767+87.196 87.548 LT.



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 KLEINFELDER, INC.  
 SALT LAKE CITY, UTAH

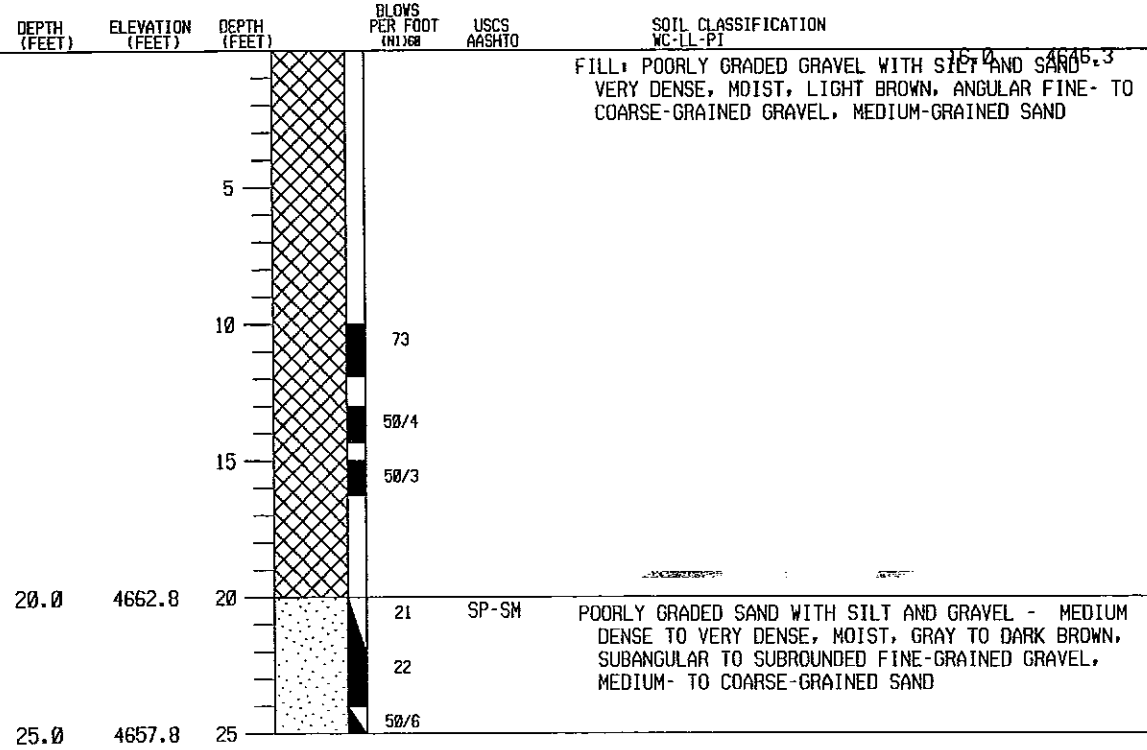
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PROJECT NUMBER SP-15-7(167)288

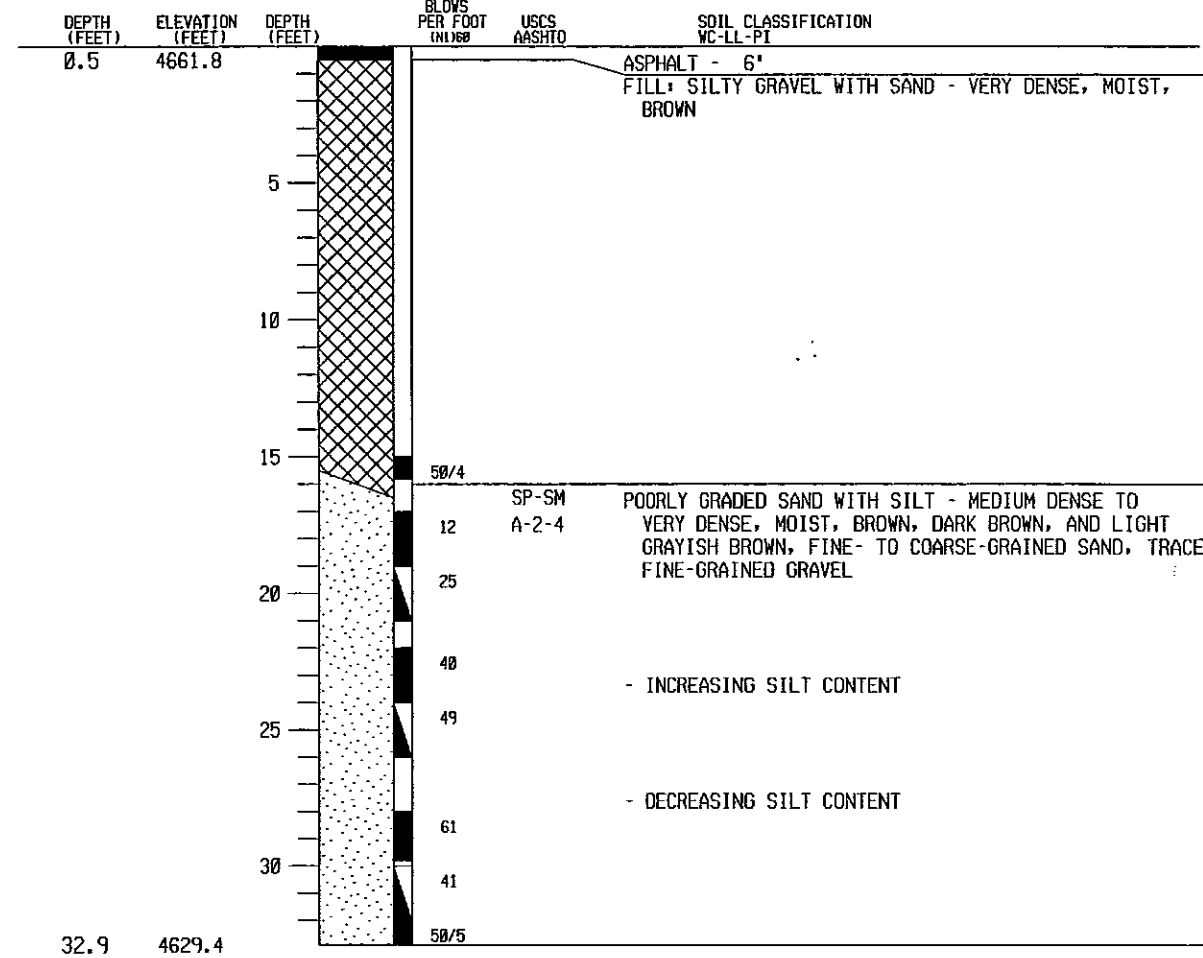
SALT LAKE COUNTY  
 R-434B  
 DRG. NO.  
 SHT. 4 OF 15

NO.	BY	DATE	REMARKS
REVISIONS			

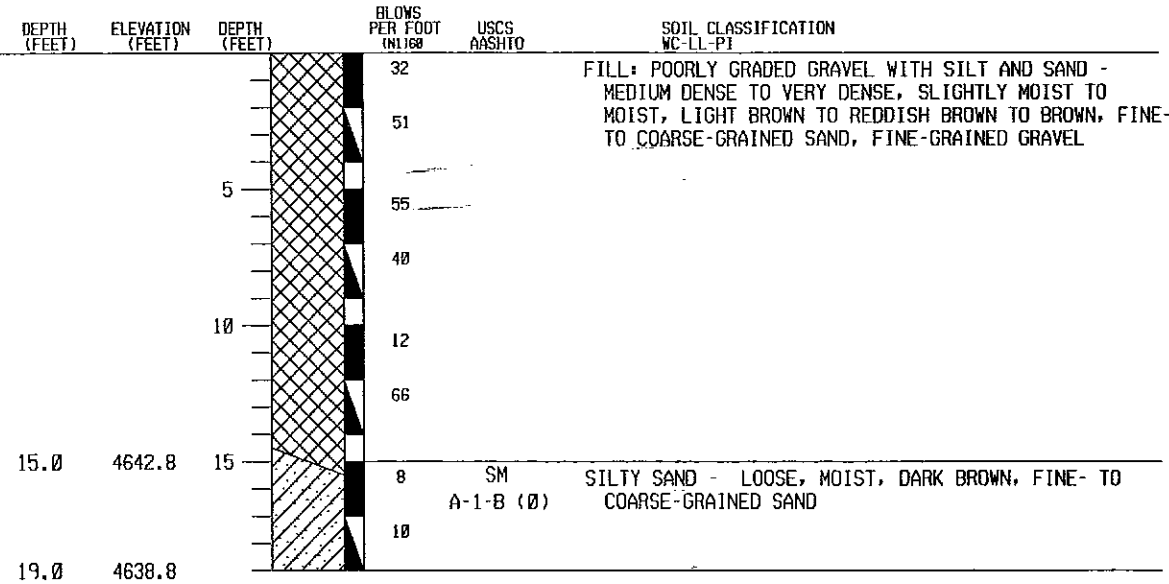
BORING  
B-72  
ELEVATION 4682.8 FEET  
STATION 775+95.525 91.005 LT.



BORING  
B-71  
ELEVATION 4662.3 FEET  
STATION 784+04.534 81.426 LT.



BORING  
B-106  
ELEVATION 4657.8 FEET  
STATION 785+14.851 100.942 LT.



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SUTAH DEPARTMENT OF TRANSPORTATION  
KLEINFELDER, INC.  
SALT LAKE CITY, UTAH

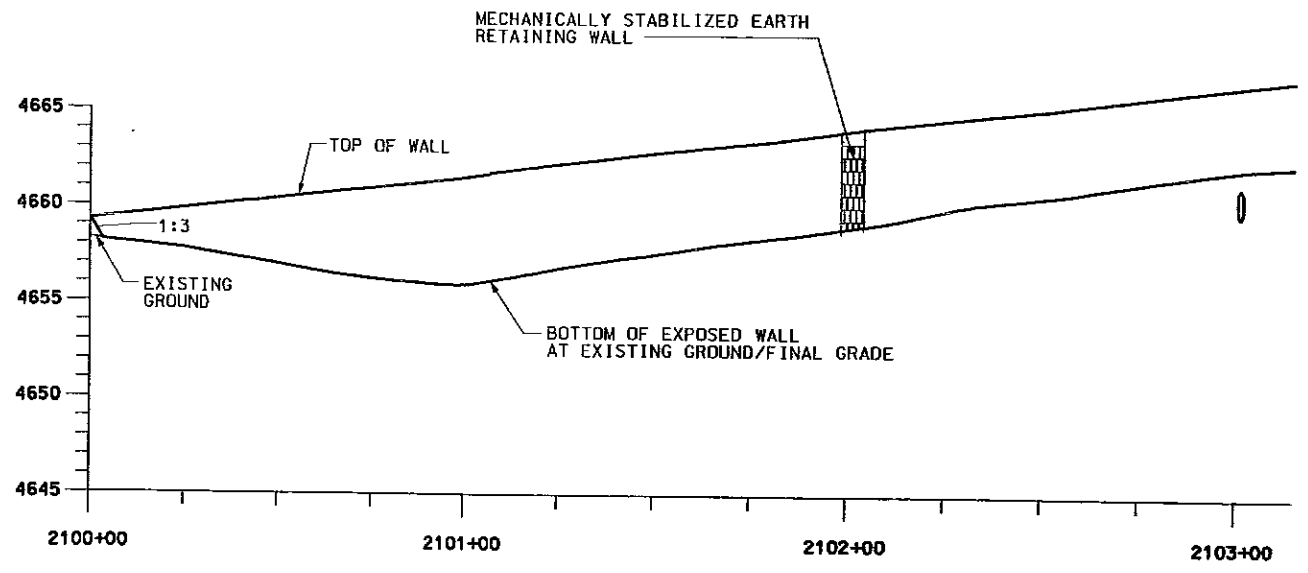
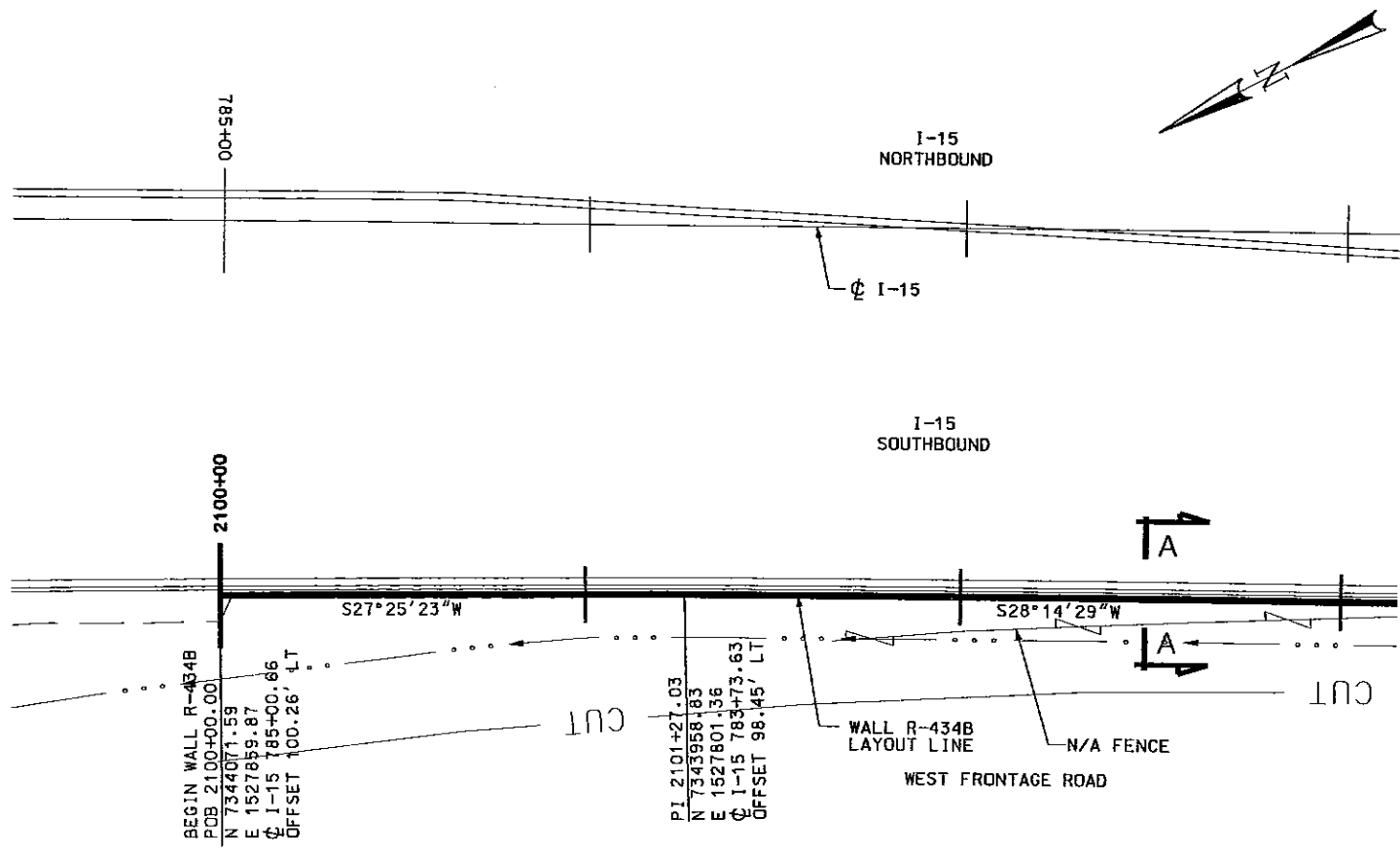
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I-15  
SOIL DATA SHEET

PROJECT NUMBER SP-15-7(167)288  
SALT LAKE COUNTY  
R-434B  
ORG. NO.  
SHT. 5 OF 15

APPROVAL RECORD	DATE	DESIGN ENGR.	DESIGN CC	12/03	CHECK	WGT	12/03	CHECK	CC	12/03	CHECK

APPROVED	DATE	CHIEF STRUCTURAL ENGR.	QUANT.

22-JAN-2004 10:41 AM C:\I-15\244\0525 - 8243\Drawings\Structures\Wall R-434B.dwg User: jls Date: 1/12/04



WALL R-434B

STA	TOP OF WALL ELEV	BOTTOM OF EXPOSED WALL ELEV
2100+00.00	4659.24	4658.28
2100+25.00	4659.81	4657.72
2100+50.00	4660.36	4656.93
2100+75.00	4660.91	4656.19
2101+00.00	4661.46	4655.91
2101+25.00	4662.18	4656.76
2101+50.00	4662.80	4657.52
2101+75.00	4663.32	4658.26
2102+00.00	4663.99	4658.93
2102+25.00	4664.58	4659.88
2102+50.00	4665.12	4660.58
2102+75.00	4665.78	4661.35
2103+00.00	4666.42	4662.07

I-15 UTAH CO. LINE TO 10600 SQ. WALL R-434B SITUATION AND LAYOUT PROJECT NUMBER SP-15-7(167)288

UTAH DEPARTMENT OF TRANSPORTATION  
 SALT LAKE CITY, UTAH  
 STRUCTURES DIVISION

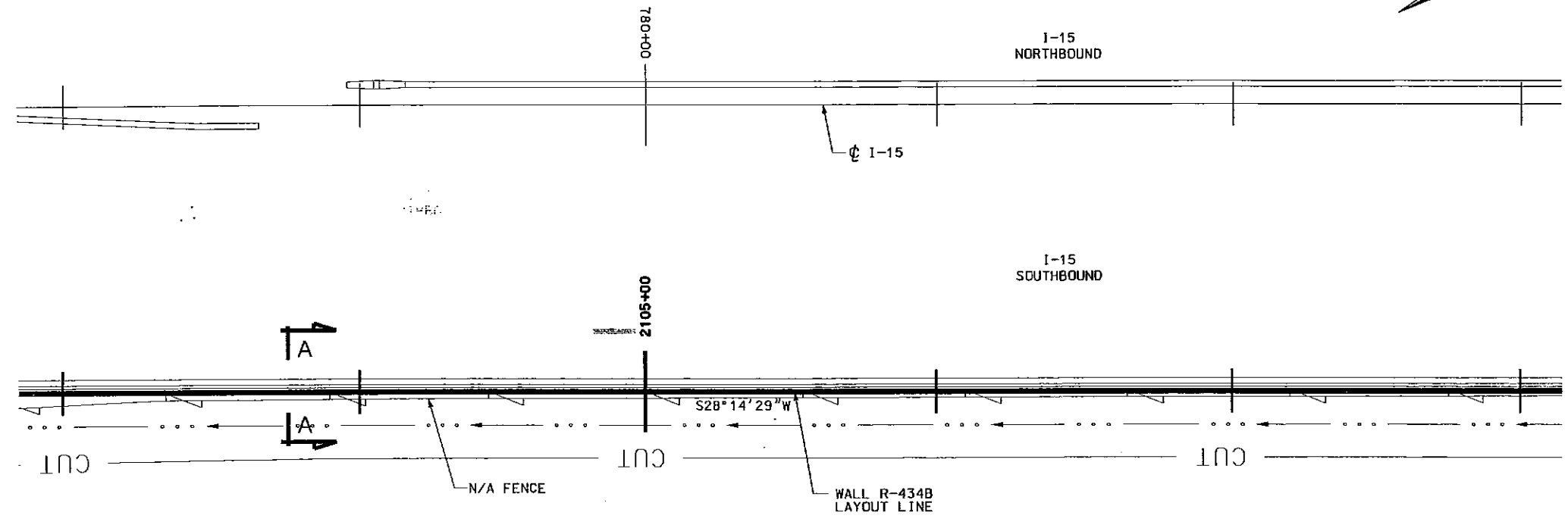
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QUANT.	NRD	01/04	CHECK	DRS	01/04
NO.	DATE	BY	REMARKS		

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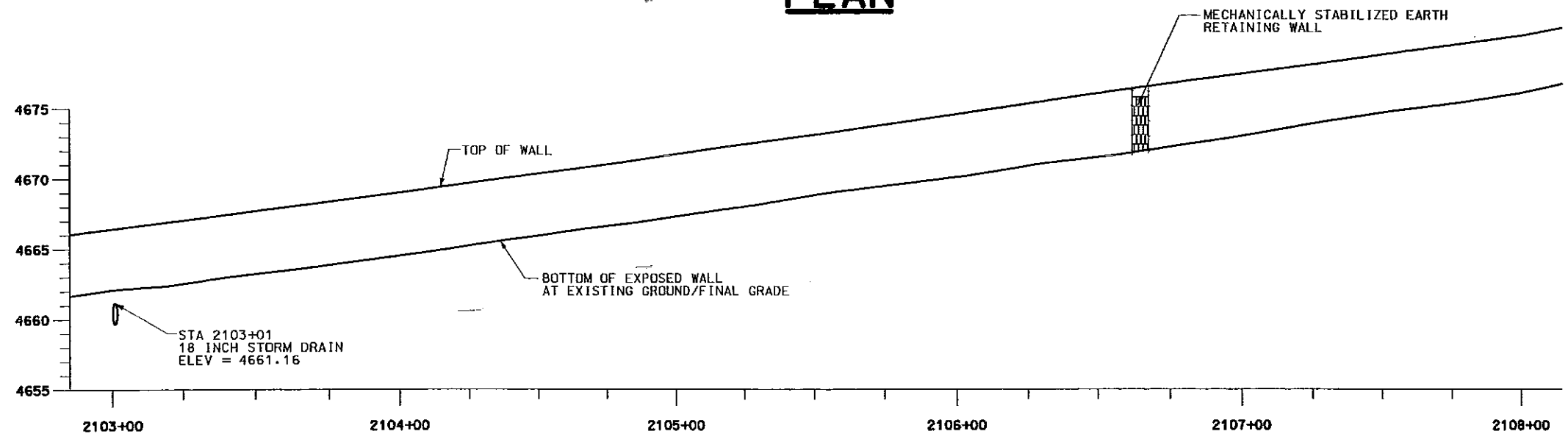
SALT LAKE COUNTY R-434B DRG. NO.

SHT. 6 OF 15

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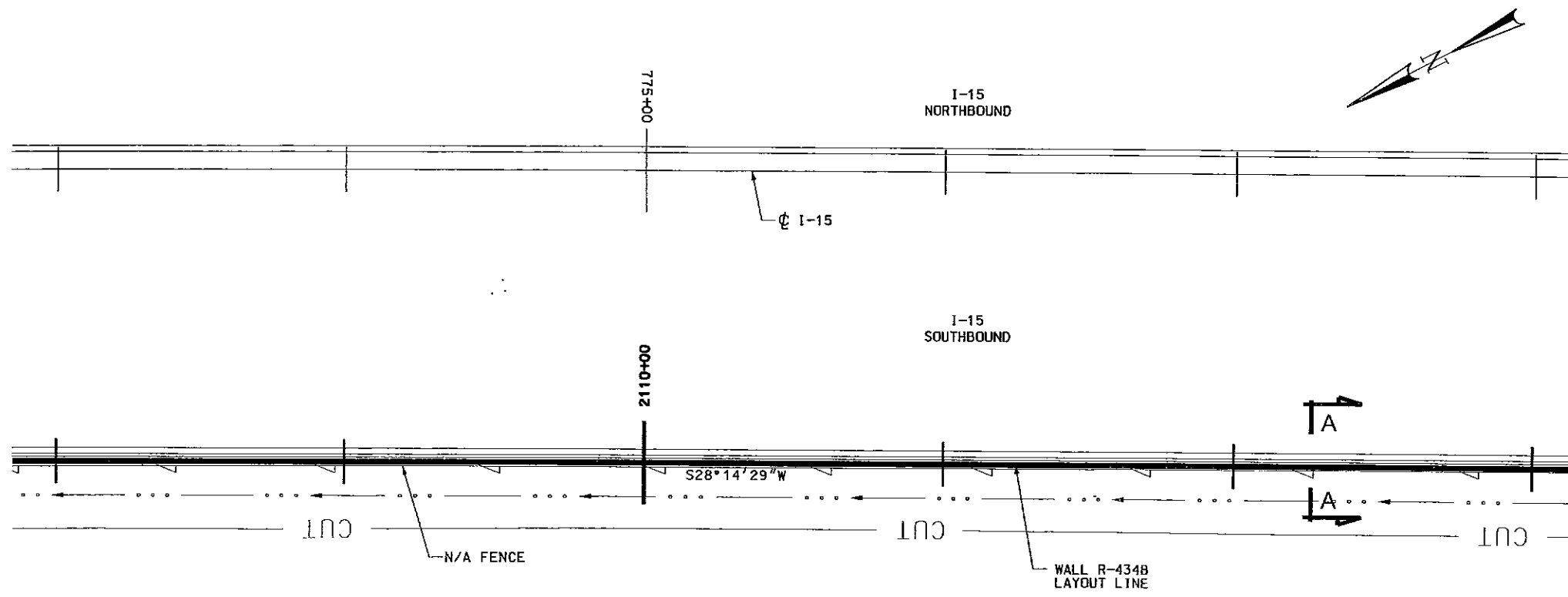
**PLAN**



**ELEVATION**

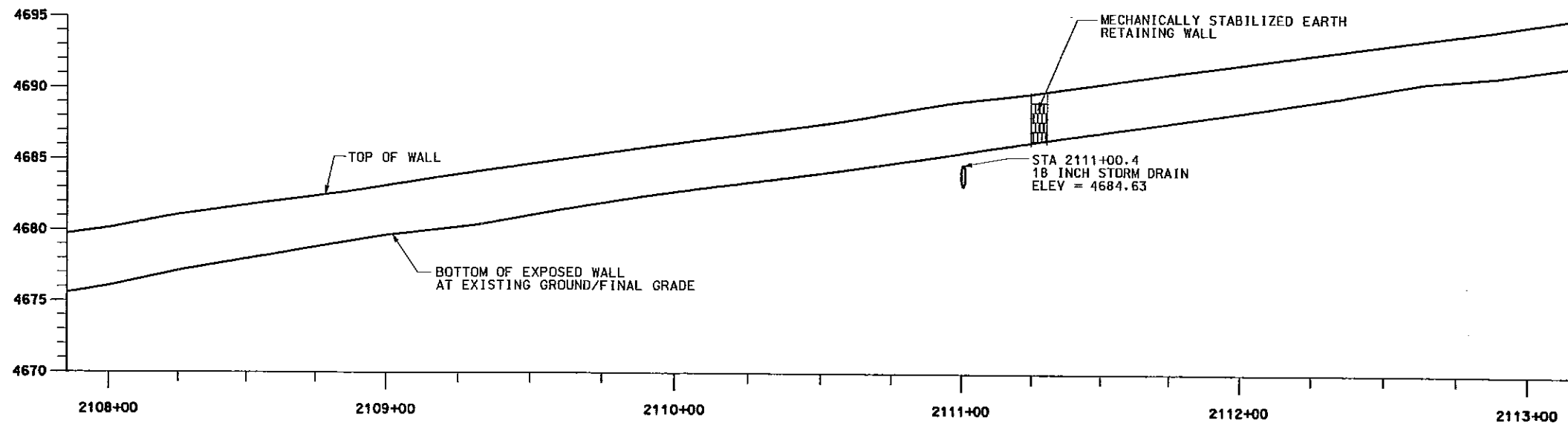
WALL R-434B		
STA	TOP OF WALL ELEV	BOTTOM OF EXPOSED WALL ELEV
2103+00.00	4666.42	4662.07
2103+25.00	4667.04	4662.53
2103+50.00	4667.70	4663.23
2103+75.00	4668.36	4663.86
2104+00.00	4668.99	4664.51
2104+25.00	4669.66	4665.21
2104+50.00	4670.32	4665.91
2104+75.00	4670.97	4666.61
2105+00.00	4671.71	4667.28
2105+25.00	4672.41	4667.98
2105+50.00	4673.08	4668.80
2105+75.00	4673.81	4669.46
2106+00.00	4674.55	4670.08
2106+25.00	4675.29	4670.87
2106+50.00	4676.01	4671.47
2106+75.00	4676.72	4672.20
2107+00.00	4677.40	4672.98
2107+25.00	4678.06	4673.86
2107+50.00	4678.76	4674.63
2107+75.00	4679.44	4675.27
2108+00.00	4680.11	4676.04

UTAH DEPARTMENT OF TRANSPORTATION SALT LAKE CITY, UTAH STRUCTURES DIVISION		DESIGN: BFD_01/04 DRAWN: NED_01/04 CHECK: DRS_01/04	CHECK: DRS_01/04	REVISIONS
I-15 UTAH CO. LINE TO 10600 SO.		SITUATION AND LAYOUT		BY
WALL R-434B		PROJECT NUMBER		DATE
SP-15-7(167)288		DATE		DATE
SALT LAKE COUNTY		DATE		DATE
R-434B		DATE		DATE
DRG. NO.		DATE		DATE
SHT. 7 OF 15		DATE		DATE



**PLAN**

WALL R-434B		
STA	TOP OF WALL ELEV	BOTTOM OF EXPOSED WALL ELEV
2108+00.00	4680.11	4676.04
2108+25.00	4681.01	4677.09
2108+50.00	4681.71	4677.94
2108+75.00	4682.37	4678.80
2109+00.00	4683.10	4679.62
2109+25.00	4683.89	4680.20
2109+50.00	4684.62	4681.02
2109+75.00	4685.35	4681.89
2110+00.00	4686.07	4682.67
2110+25.00	4686.76	4683.35
2110+50.00	4687.45	4684.02
2110+75.00	4688.27	4684.74
2111+00.00	4689.07	4685.47
2111+25.00	4689.66	4686.24
2111+50.00	4690.36	4686.94
2111+75.00	4691.05	4687.62
2112+00.00	4691.74	4688.36
2112+25.00	4692.43	4689.14
2112+50.00	4693.13	4690.00
2112+75.00	4693.81	4690.69
2113+00.00	4694.56	4691.26

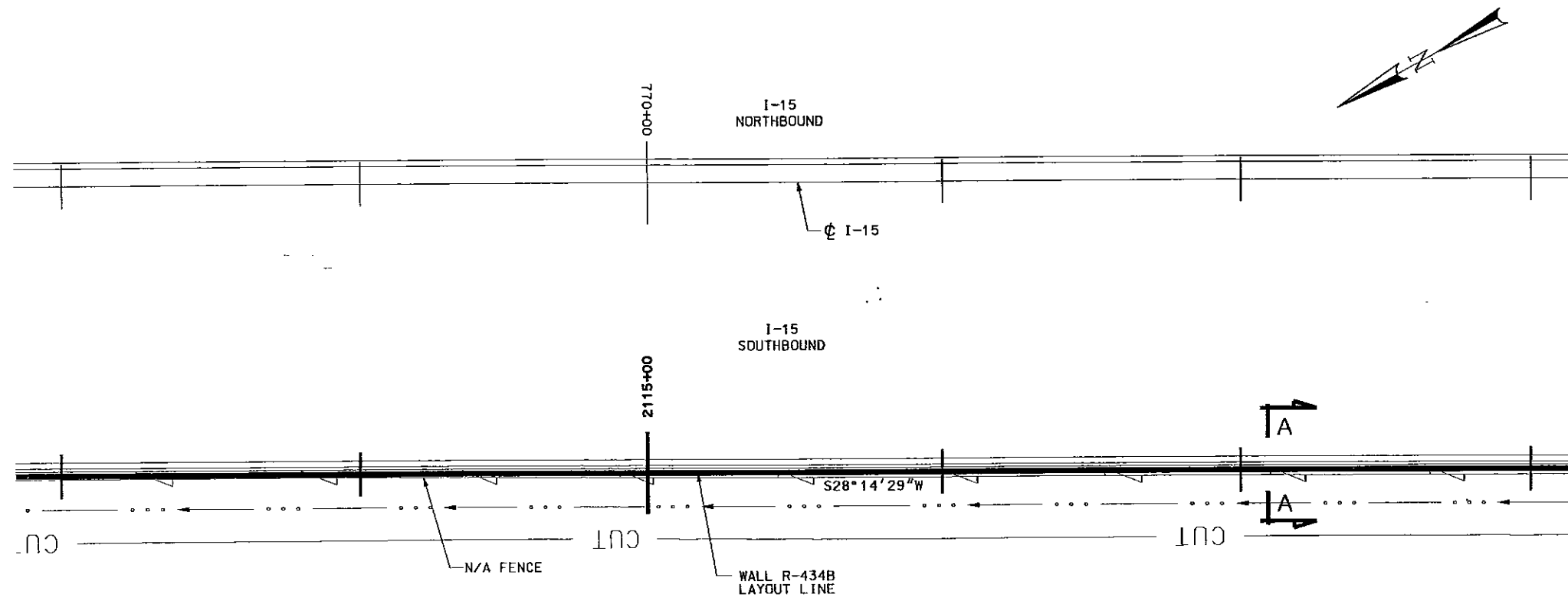


**ELEVATION**

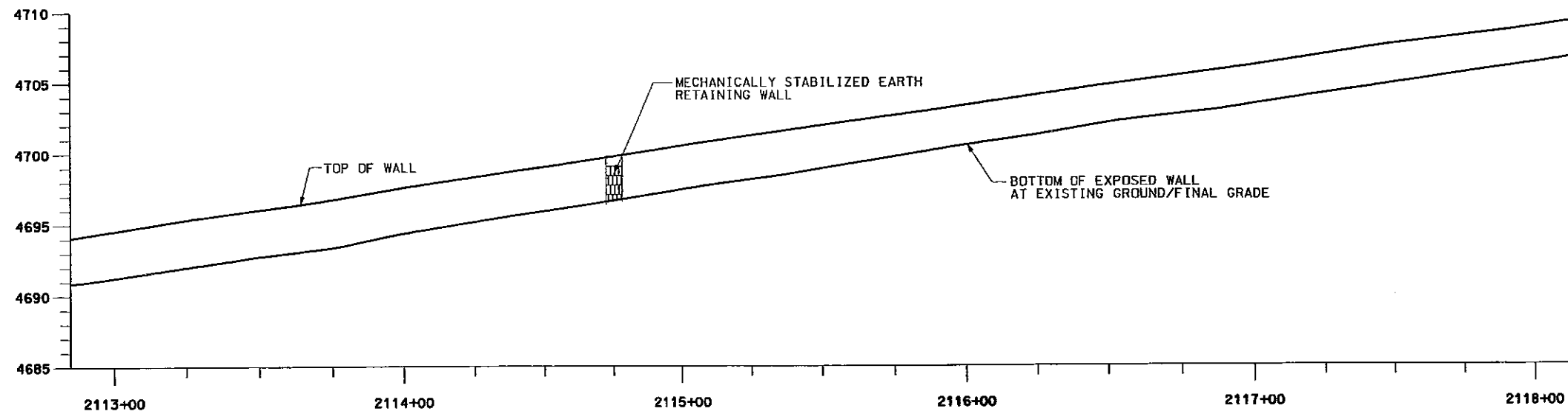
UTAH DEPARTMENT OF TRANSPORTATION SALT LAKE COUNTY, UTAH STRUCTURES DIVISION		DESIGNER: BPD_01/04	CHECKER: DRS_01/04
I-15 UTAH CO. LINE TO 10600 SO. WALL R-434B		DRAWN: NRD_01/04	CHECKER: DRS_01/04
SITUATION AND LAYOUT		QUANT.: NRD_01/04	CHECKER: DRS_01/04
PROJECT NUMBER SP-15-7(167)288		APPROVAL DATE: 1/12/04	DESIGNER: BPD_01/04
SALT LAKE COUNTY		APPROVED FOR USE BY: UDOT	DATE: 1/12/04
R-434B DRG. NO.		SENIORE DESIGN ENGR.	DOT BRIDGE ENGR.
SHT. 8 OF 15		REVISIONS	

22-JAN-2004 DGN: F:\101\01\1624\3225\_BA\Sheet\Wall R-434B.dwg





**PLAN**



**ELEVATION**

WALL R-434B		
STA	TOP OF WALL ELEV	BOTTOM OF EXPOSED WALL ELEV
2113+00.00	4694.56	4691.26
2113+25.00	4695.35	4692.00
2113+50.00	4696.04	4692.75
2113+75.00	4696.76	4693.37
2114+00.00	4697.61	4694.37
2114+25.00	4698.33	4695.17
2114+50.00	4699.05	4695.93
2114+75.00	4699.79	4696.67
2115+00.00	4700.54	4697.45
2115+25.00	4701.26	4698.16
2115+50.00	4701.97	4698.92
2115+75.00	4702.66	4699.75
2116+00.00	4703.35	4700.55
2116+25.00	4704.06	4701.25
2116+50.00	4704.76	4702.08
2116+75.00	4705.42	4702.69
2117+00.00	4706.09	4703.36
2117+25.00	4706.85	4704.12
2117+50.00	4707.58	4704.82
2117+75.00	4708.15	4705.54
2118+00.00	4708.78	4706.23

UTAH DEPARTMENT OF TRANSPORTATION  
SALT LAKE CITY, UTAH  
STRUCTURES DIVISION

I-15 UTAH CO. LINE TO 10600 SO.  
WALL R-434B  
SITUATION AND LAYOUT  
PROJECT NUMBER SP-15-7(167)288

SALT LAKE COUNTY  
R-434B  
DRG. NO.

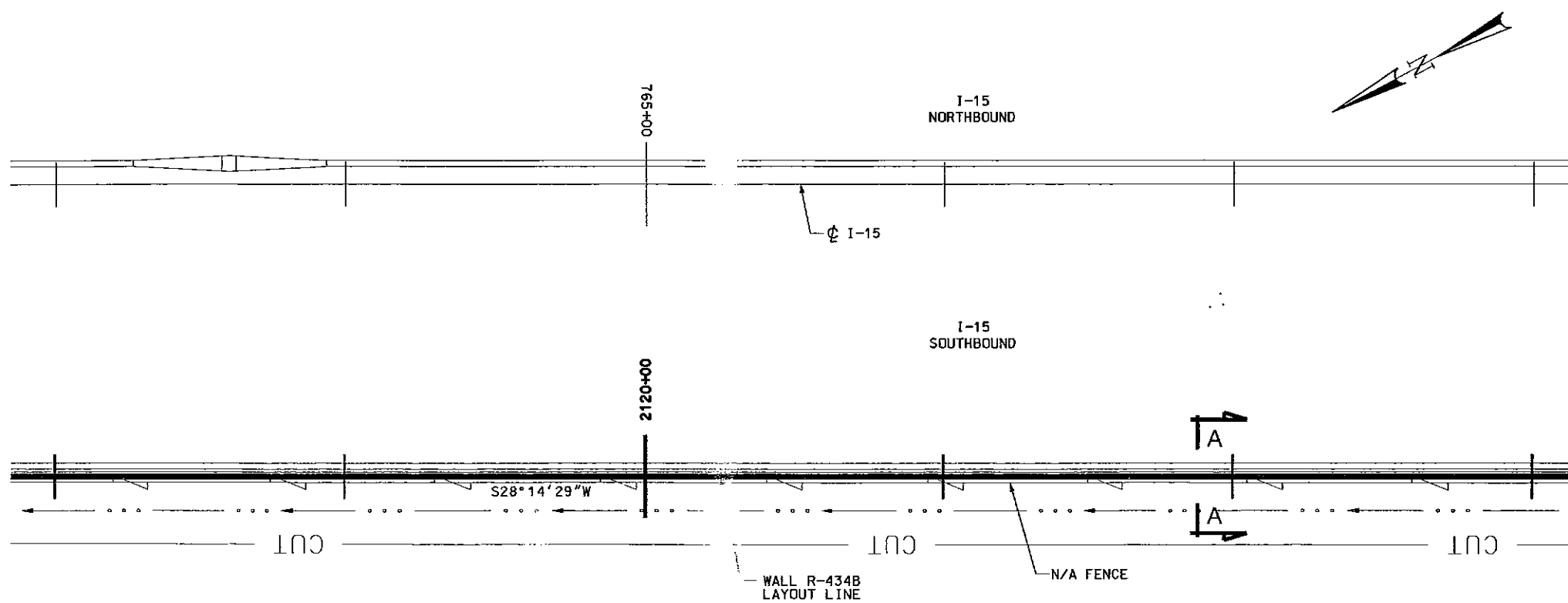
SHT. 9 OF 15

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DRAWN	NRD	01/04	CHECK	DRS	01/04
QUANT.	NRD	01/04	CHECK	DRS	01/04

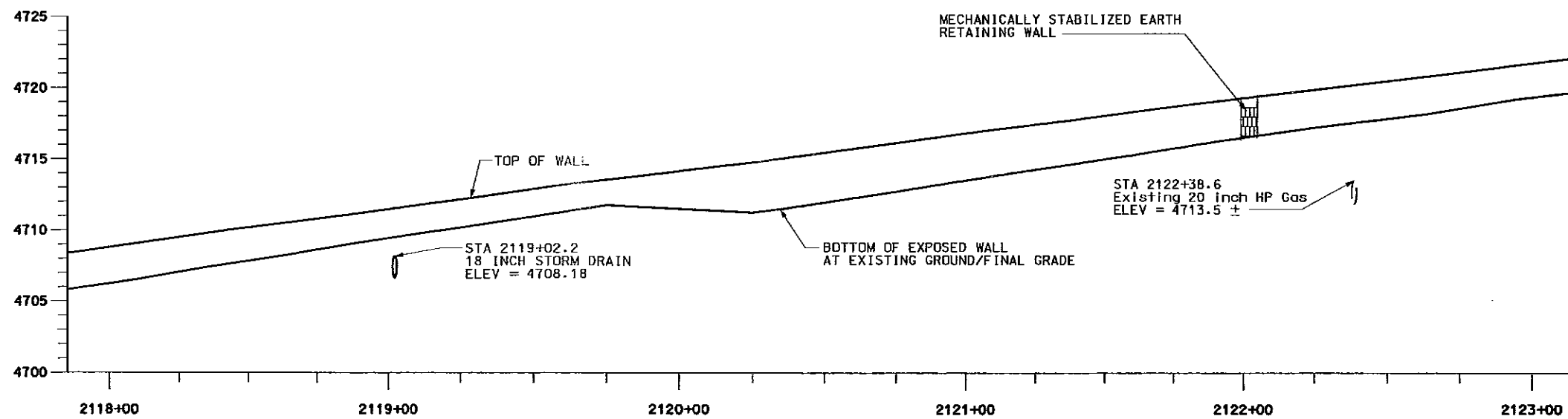
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NO.	DATE	BY	REVISIONS

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**PLAN**



**ELEVATION**

WALL R-434B		
STA	TOP OF WALL ELEV	BOTTOM OF EXPOSED WALL ELEV
2118+00.00	4708.78	4706.23
2118+25.00	4709.48	4707.04
2118+50.00	4710.17	4707.82
2118+75.00	4710.79	4708.63
2119+00.00	4711.47	4709.45
2119+25.00	4712.17	4710.20
2119+50.00	4712.89	4710.97
2119+75.00	4713.54	4711.76
2120+00.00	4714.14	4711.50
2120+25.00	4714.75	4711.24
2120+50.00	4715.44	4711.96
2120+75.00	4716.13	4712.73
2121+00.00	4716.81	4713.51
2121+25.00	4717.42	4714.27
2121+50.00	4718.04	4714.98
2121+75.00	4718.68	4715.75
2122+00.00	4719.27	4716.51
2122+25.00	4719.86	4717.21
2122+50.00	4720.46	4717.82
2122+75.00	4721.07	4718.54
2123+00.00	4721.70	4719.32

**UTAH DEPARTMENT OF TRANSPORTATION**  
SALT LAKE CITY, UTAH  
STRUCTURES DIVISION

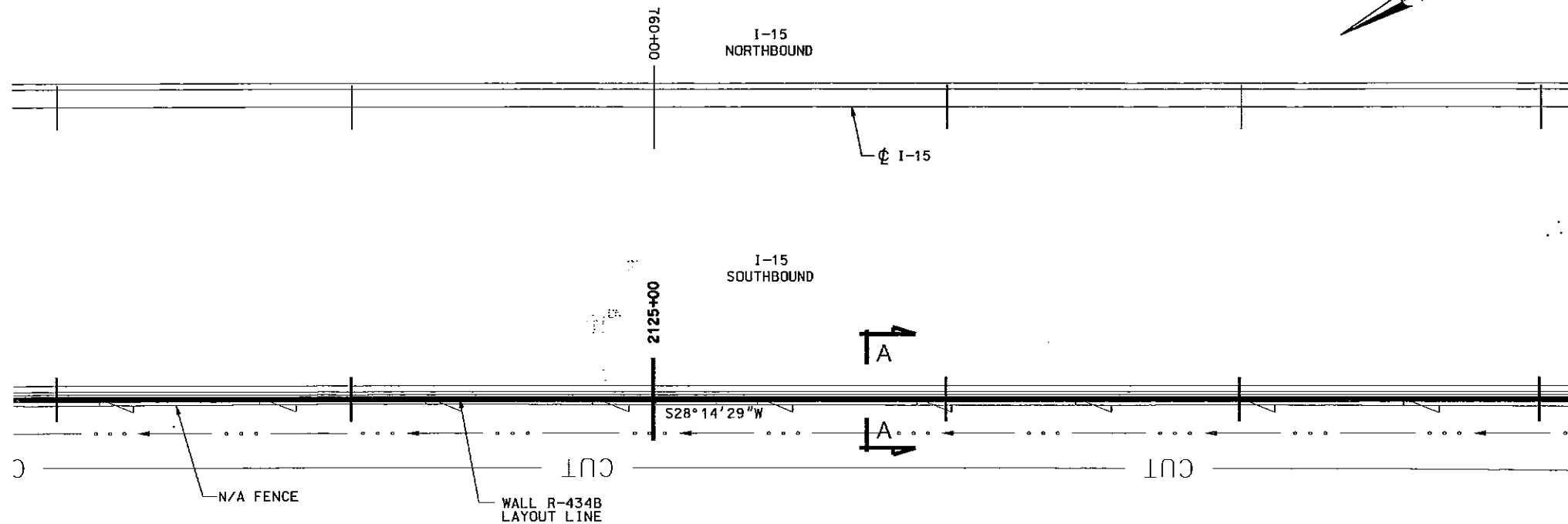
**I-15 UTAH CO. LINE TO 10600 SO.**  
**WALL R-434B**  
**SITUATION AND LAYOUT**

PROJECT NUMBER **SP-15-7(167)288**

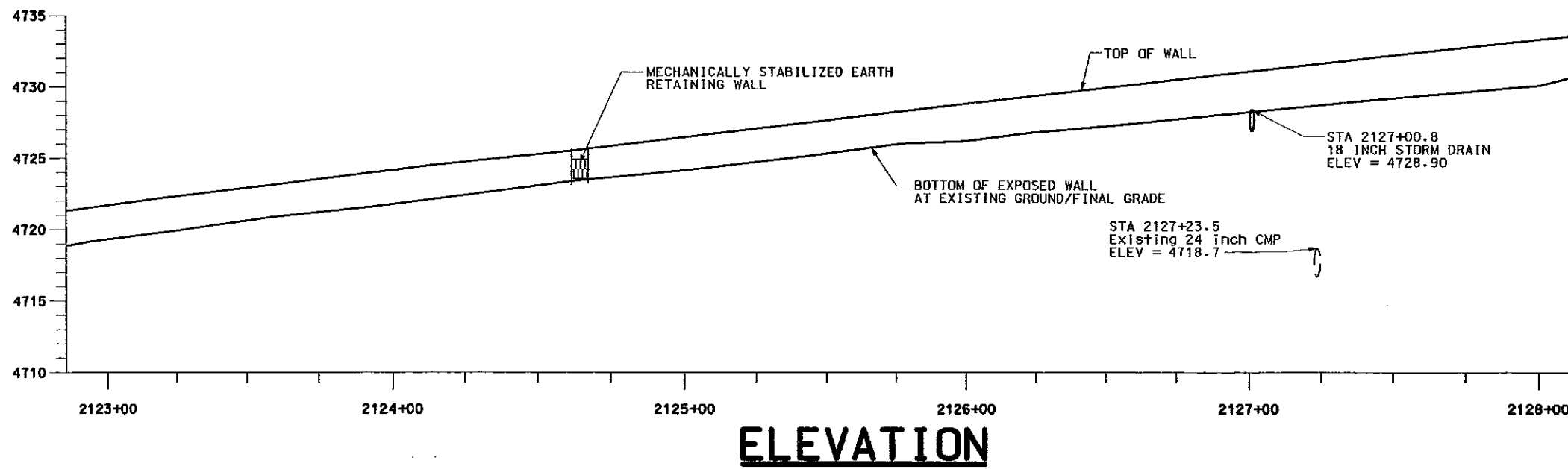
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QUANT.	NED_01/04	CHECK	DRS_01/04
APPROVAL	1/12/04	DATE	
RECOMM.	1/12/04	DATE	
DESIGNED		BY	
CHECKED		BY	
DATE		DATE	

SALT LAKE COUNTY  
R-434B  
ORG. NO.  
SHT. 10 OF 15

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**PLAN**



WALL R-434B		
STA	TOP OF WALL ELEV	BOTTOM OF EXPOSED WALL ELEV
2123+00.00	4721.70	4719.32
2123+25.00	4722.34	4719.93
2123+50.00	4722.93	4720.64
2123+75.00	4723.54	4721.22
2124+00.00	4724.16	4721.77
2124+25.00	4724.75	4722.41
2124+50.00	4725.27	4723.08
2124+75.00	4725.86	4723.66
2125+00.00	4726.47	4724.15
2125+25.00	4727.07	4724.73
2125+50.00	4727.65	4725.34
2125+75.00	4728.24	4725.97
2126+00.00	4728.81	4726.21
2126+25.00	4729.36	4726.81
2126+50.00	4729.92	4727.23
2126+75.00	4730.49	4727.73
2127+00.00	4731.06	4728.23
2127+25.00	4731.62	4728.72
2127+50.00	4732.18	4729.18
2127+75.00	4732.73	4729.61
2128+00.00	4733.29	4730.07

I-15 UTAH CO. LINE TO 10600 SD.  
 WALL R-434B  
 SITUATION AND LAYOUT  
 PROJECT NUMBER SP-15-7(167)288

UTAH DEPARTMENT OF TRANSPORTATION  
 SALT LAKE CITY, UTAH  
 STRUCTURES DIVISION

DESIGN	BPD	01/04	CHECK	DRS	01/04
DRAWN	NRD	01/04	CHECK	DRS	01/04
QUANT.	NRD	01/04	CHECK	DRS	01/04

APPROVAL DATE 1/12/04  
 SENIOR DESIGN ENGR.  
 APPROVED FOR USE BY UDOT DATE

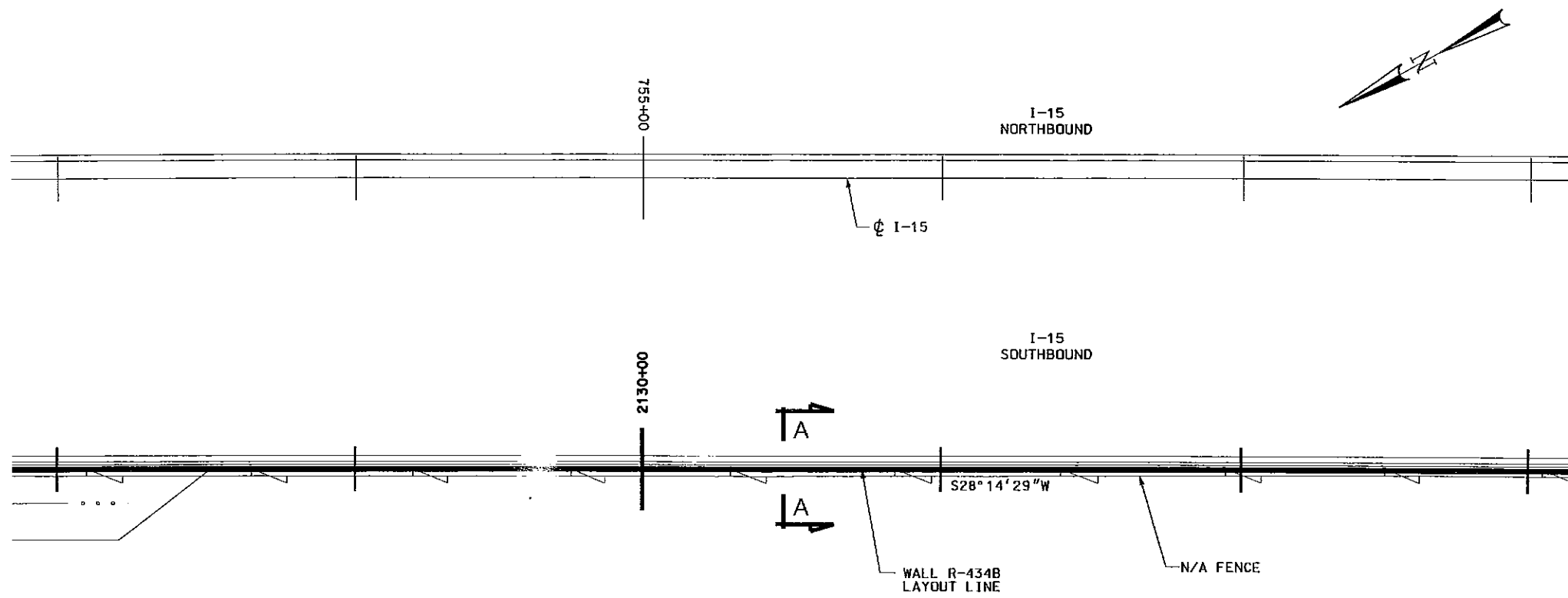
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NO.	DATE	BY	REVISIONS

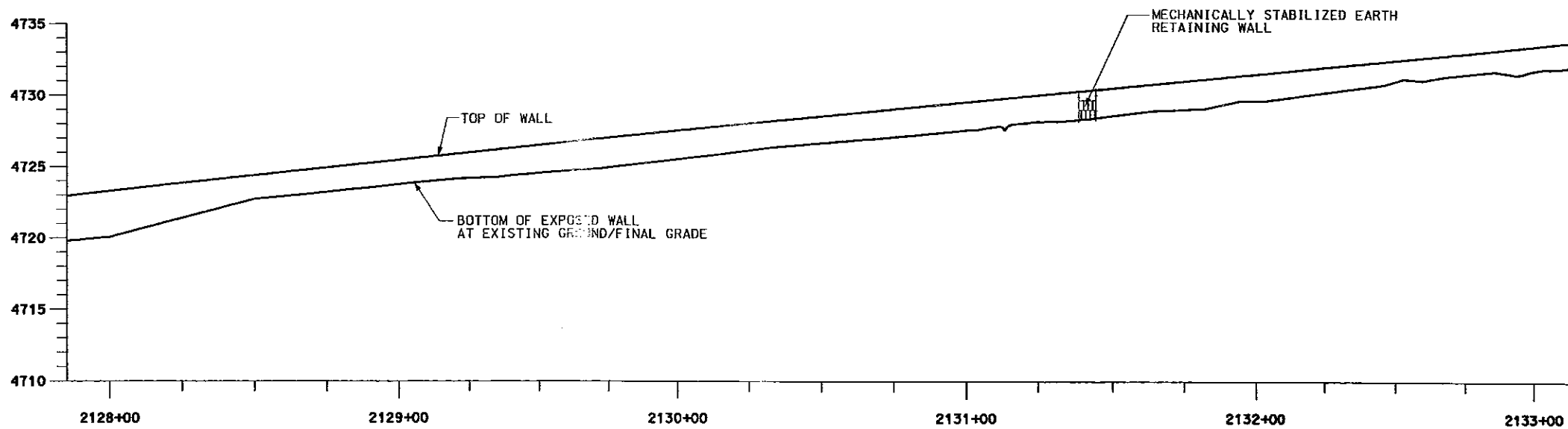
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 R-434B  
 DRG. NO.

SHT. 11 OF 15

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**PLAN**

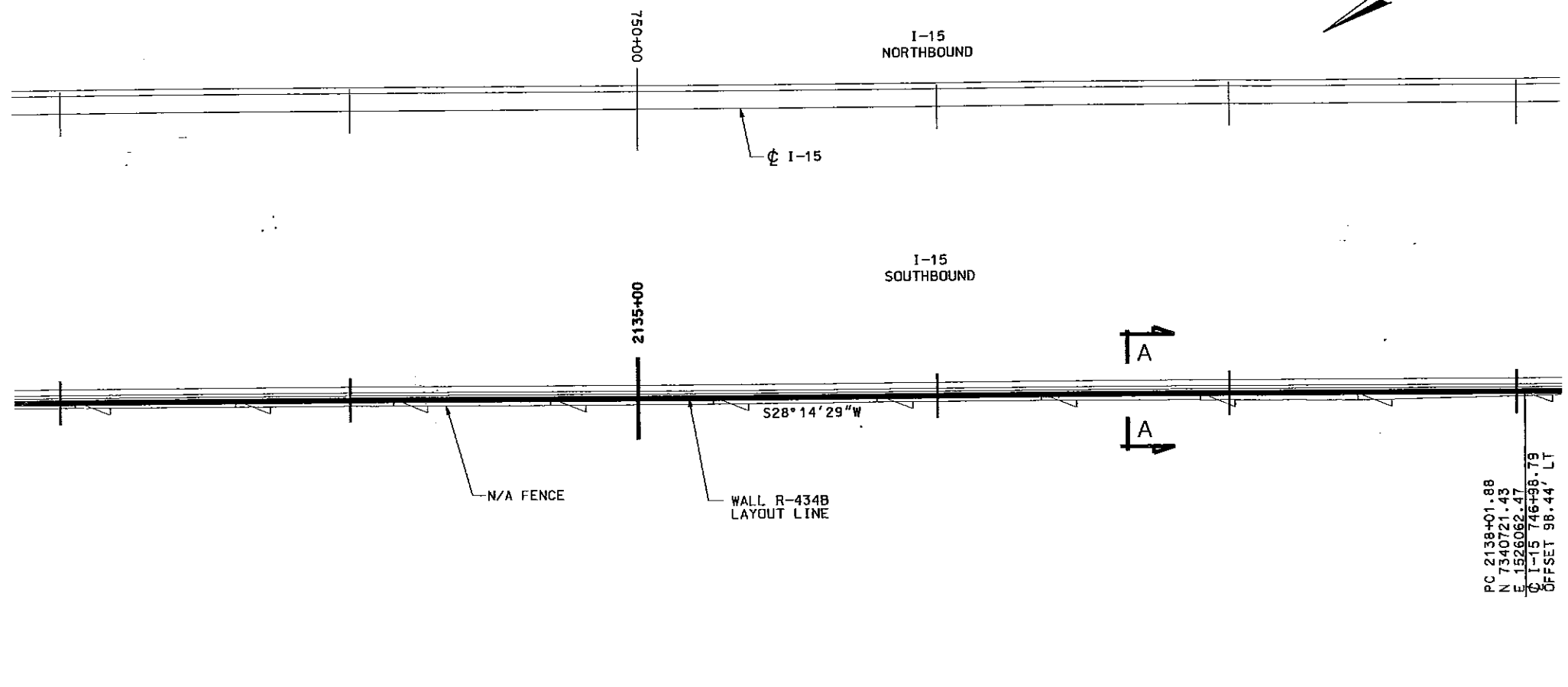


**ELEVATION**

WALL R-434B		
STA	TOP OF WALL ELEV	BOTTOM OF EXPOSED WALL ELEV
2128+00.00	4733.29	4730.07
2128+25.00	4733.84	4731.39
2128+50.00	4734.38	4732.71
2128+75.00	4734.91	4733.20
2129+00.00	4735.45	4733.75
2129+25.00	4735.97	4734.18
2129+50.00	4736.50	4734.54
2129+75.00	4737.00	4734.92
2130+00.00	4737.51	4735.52
2130+25.00	4738.02	4736.13
2130+50.00	4738.52	4736.64
2130+75.00	4739.02	4737.07
2131+00.00	4739.51	4737.54
2131+25.00	4740.00	4738.14
2131+50.00	4740.49	4738.56
2131+75.00	4740.98	4738.99
2132+00.00	4741.47	4739.61
2132+25.00	4741.96	4740.21
2132+50.00	4742.45	4741.03
2132+75.00	4742.94	4741.48
2133+00.00	4743.46	4741.76

UTAH DEPARTMENT OF TRANSPORTATION SALT LAKE CITY, UTAH STRUCTURES DIVISION		DESIGN DRG. 01/04 CHECK DRG. 01/04	DESIGN BPD 01/04 CHECK BPD 01/04	DESIGN NRD 01/04 CHECK NRD 01/04	DESIGN QNT. 01/04 CHECK QNT. 01/04
APPROVED BY DATE	RECOMM. DATE	SECTION DESIGN ENGR.	SECTION DESIGN ENGR.	SECTION DESIGN ENGR.	SECTION DESIGN ENGR.
APPROVED BY DATE	RECOMM. DATE	SECTION DESIGN ENGR.	SECTION DESIGN ENGR.	SECTION DESIGN ENGR.	SECTION DESIGN ENGR.
I-15 UTAH CO. LINE TO 10600 SO.		WALL R-434B			
SITUATION AND LAYOUT		PROJECT NUMBER SP-15-7(167)288			
SALT LAKE COUNTY					
R-434B DRG. NO.					
SHT. 12 OF 15					

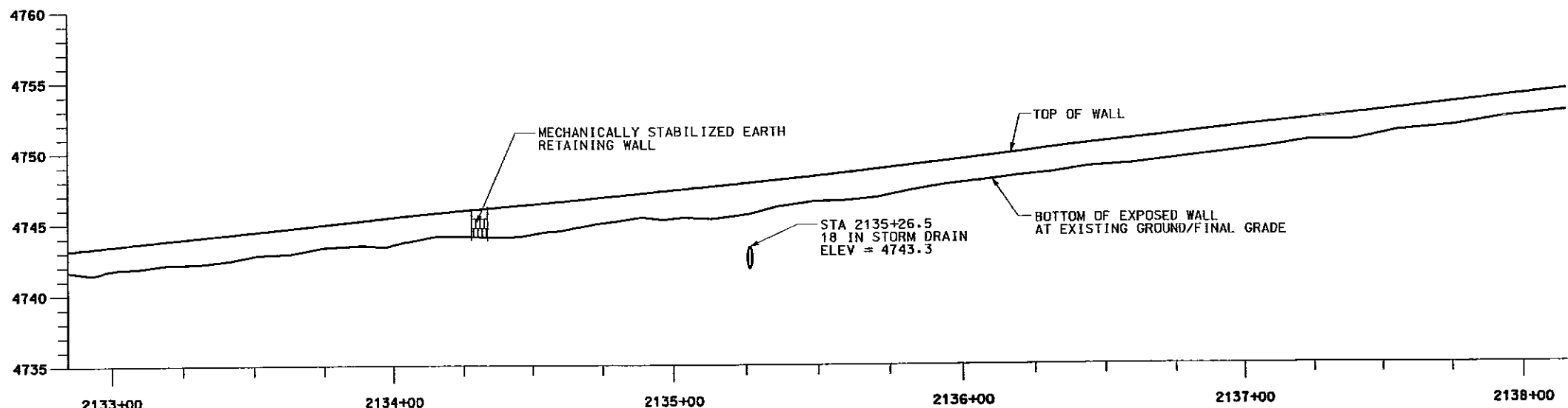
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PC 2138+01.88  
 N 7340721.45  
 E 1326062.47  
 @ I-15 746+98.79  
 OFFSET 98.44' LT

WALL R-434B		
STA	TOP OF WALL ELEV	BOTTOM OF EXPOSED WALL ELEV
2133+00.00	4743.46	4741.76
2133+25.00	4743.96	4742.18
2133+50.00	4744.45	4742.78
2133+75.00	4744.94	4743.35
2134+00.00	4745.46	4743.92
2134+25.00	4745.92	4744.49
2134+50.00	4746.36	4745.00
2134+75.00	4746.83	4745.59
2135+00.00	4747.31	4746.18
2135+25.00	4747.80	4746.79
2135+50.00	4748.29	4747.40
2135+75.00	4748.85	4748.05
2136+00.00	4749.45	4748.75
2136+25.00	4750.07	4749.48
2136+50.00	4750.64	4750.25
2136+75.00	4751.17	4751.06
2137+00.00	4751.73	4751.91
2137+25.00	4752.24	4752.79
2137+50.00	4752.74	4753.70
2137+75.00	4753.29	4754.64
2138+00.00	4753.85	4755.61

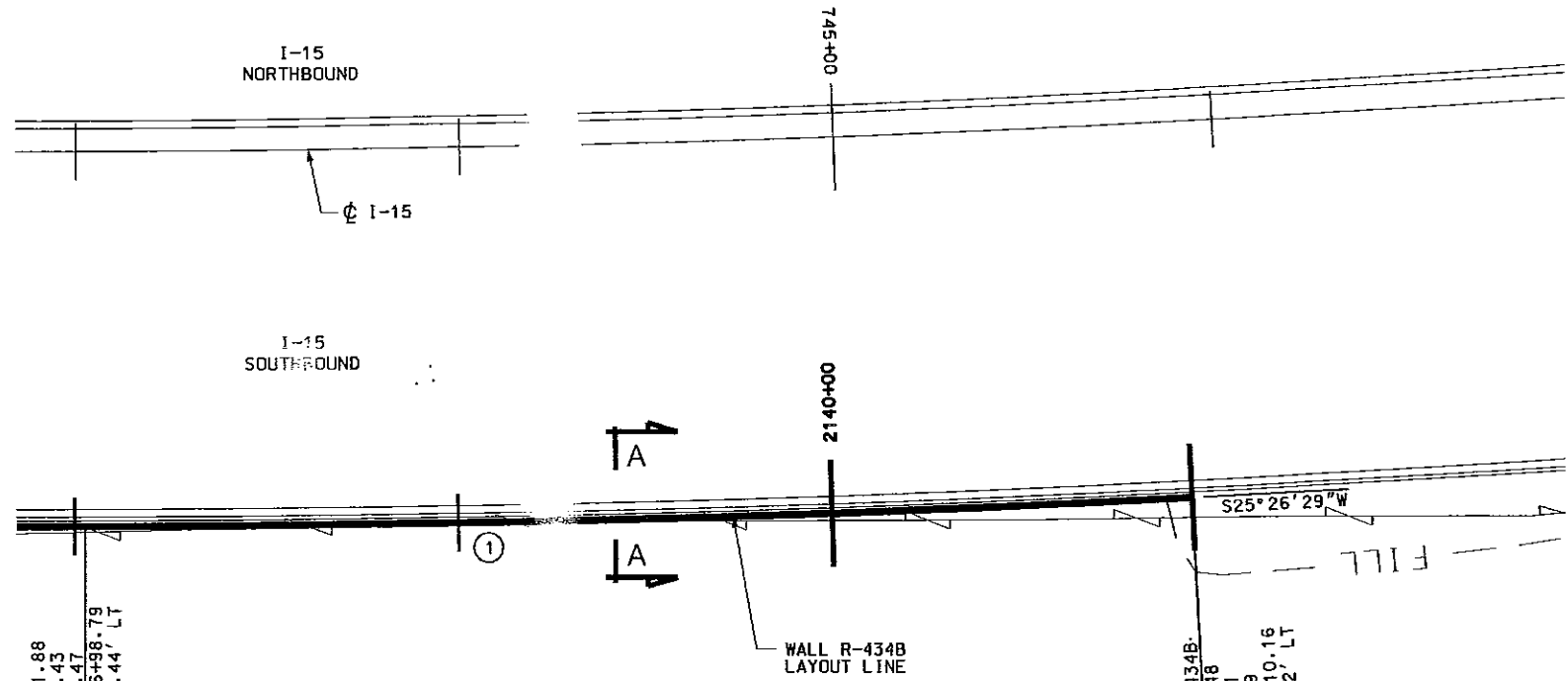
**PLAN**



**ELEVATION**

UTAH DEPARTMENT OF TRANSPORTATION		DESIGN	BPD	01/04	CHECK	DRS	01/04
SALT LAKE CITY, UTAH		DRAWN	NRD	01/04	CHECK	DRS	01/04
STRUCTURES DIVISION		QUANT.	NRD	01/04	CHECK	DRS	01/04
I-15 UTAH CO. LINE TO 10600 SO.		APPROVAL	DATE				
WALL R-434B		RECORD	1/12/04				
SITUATION AND LAYOUT		APPROVED	DATE				
PROJECT NUMBER SP-15-7(167)288		BY	DATE				
SALT LAKE COUNTY		NO.	REVISIONS				
R-434B		BY	DATE				
DRG. NO.		NO.	REVISIONS				
SHT. 13 OF 15							

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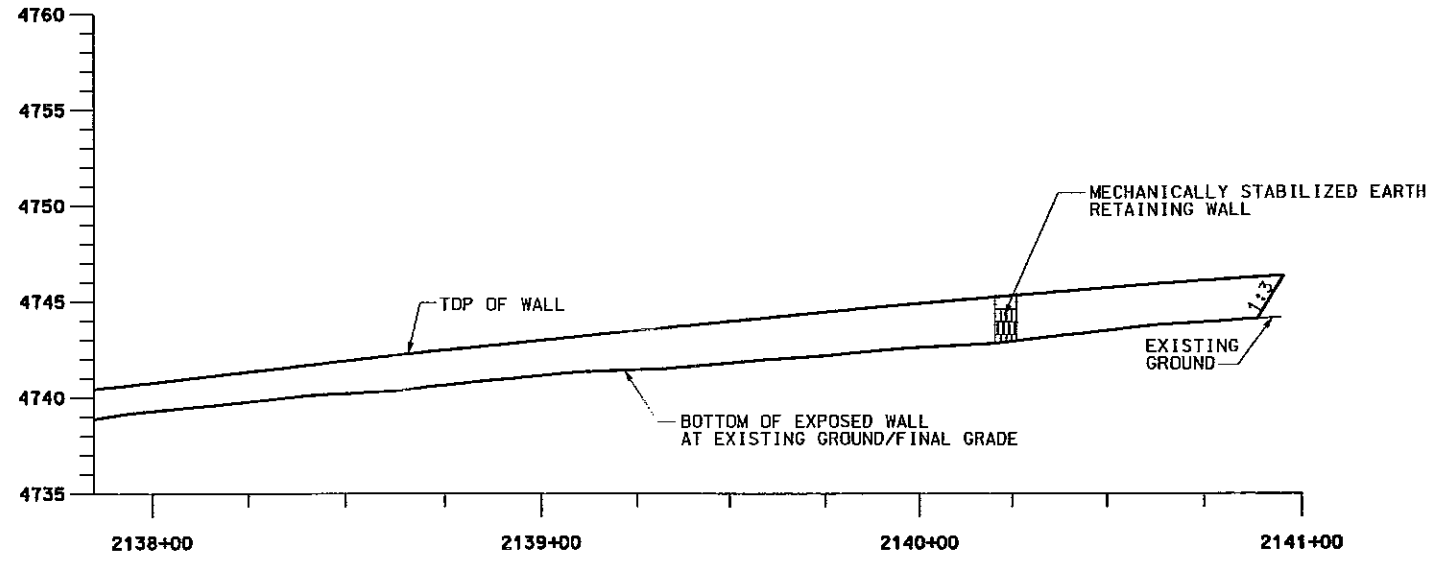


PC 2138+01.88  
 N 7340721.43  
 E 1526062.47  
 C I-15 746+98.79  
 OFFSET 98.44' LT

① CURVE DATA  
 DELTA 2°54'08" LT  
 R 5796.03  
 T 146.83  
 L 293.60  
 P1 STA 2139+48.72  
 N 7340592.21  
 E 1525992.77

END WALL R-434B:  
 PT 2140+95.48  
 N 7340459.61  
 E 1525929.69  
 C I-15 744+10.15  
 OFFSET 98.92' LT

**PLAN**



**ELEVATION**

WALL R-434B		
STA	TOP OF WALL ELEV	BOTTOM OF EXPOSED WALL ELEV
2138+00.00	4753.85	4752.36
2138+25.00	4754.42	4752.85
2138+50.00	4754.98	4753.28
2138+75.00	4755.54	4753.71
2139+00.00	4756.05	4754.21
2139+25.00	4756.54	4754.50
2139+50.00	4757.03	4754.87
2139+75.00	4757.51	4755.24
2140+00.00	4757.96	4755.67
2140+25.00	4758.38	4755.99
2140+50.00	4758.77	4756.55
2140+75.00	4759.15	4756.99
2140+95.45	4759.53	4759.53



**UTAH DEPARTMENT OF TRANSPORTATION**  
**SALT LAKE COUNTY, UTAH**  
**STRUCTURES DIVISION**

**I-15 UTAH CO. LINE TO 10600 SD.**  
**WALL R-434B**  
**SITUATION AND LAYOUT**  
**PROJECT NUMBER SP-15-7(167)288**

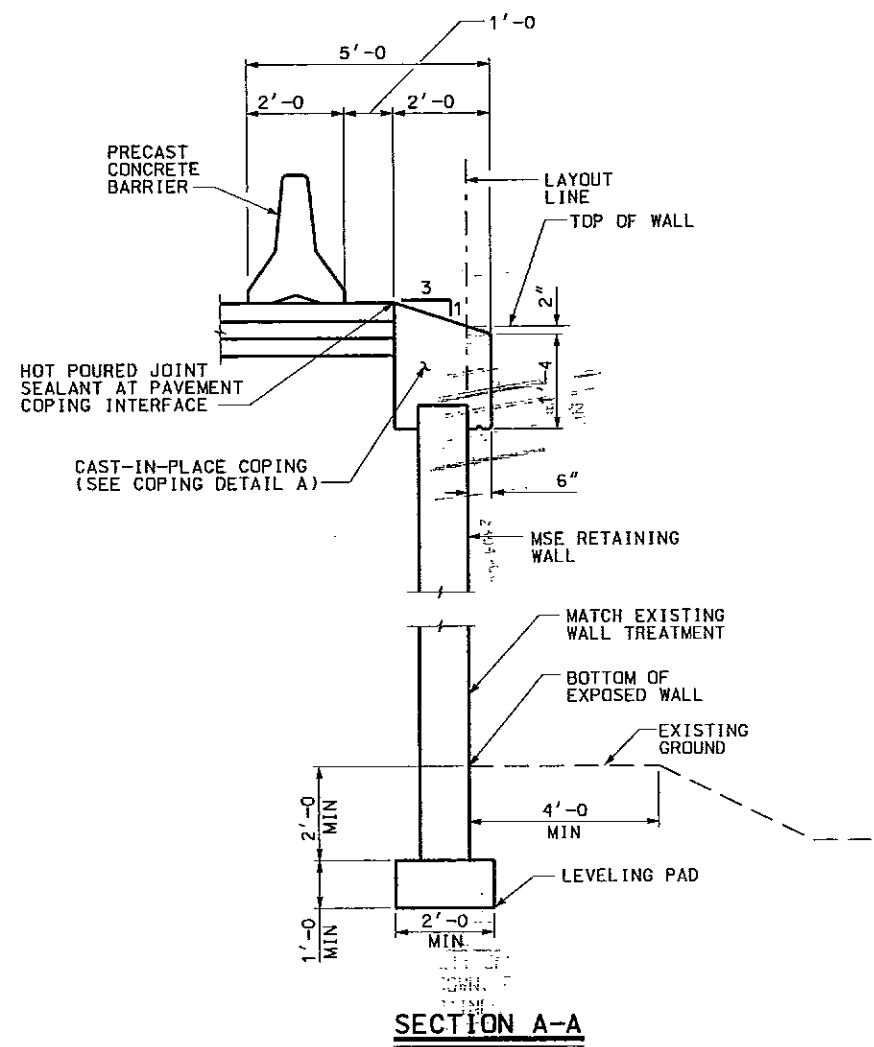
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DRAWN	NRD 01/04	CHECK	DRS 01/04
QUANT.	NRD 01/04	CHECK	DRS 01/04

APPROVAL: 1/12/04  
 SENIOR DESIGN ENGR. \_\_\_\_\_  
 DATE \_\_\_\_\_

APPROVED BY: JDT  
 JDT: BRIDGE ENGR.  
 DATE \_\_\_\_\_

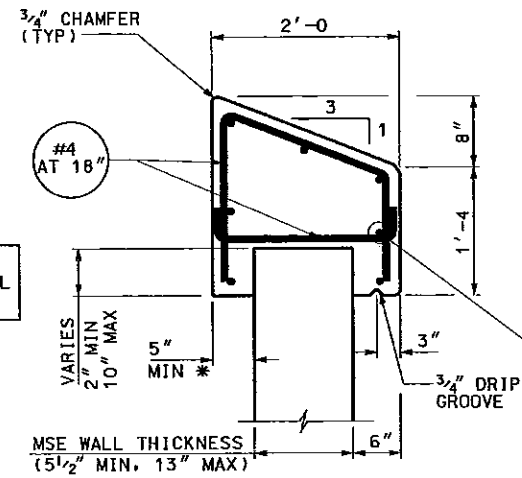
NO.	DATE	BY	REMARKS

SALT LAKE COUNTY  
 R-434B  
 DRG. NO.  
 SHT. 14 OF 15



**SECTION A-A**

\* ADJUST AS REQUIRED TO ACCOMMODATE WALL THICKNESS



**COPING DETAIL "A"**  
(ENGINEER APPROVAL REQUIRED TO MODIFY COPING DIMENSIONS)

PROVIDE SEVEN CONTINUOUS #4 BARS AS SHOWN. BARS SHALL BE CONTINUOUS AROUND CORNERS AND THROUGH WALL ANGLE POINTS. BEND AS REQUIRED.

**NOTES:**

1. CAST-IN-PLACE COPING CONTROL JOINTS TO BE SPACED AT 10 FT WITH 1/2" EXPANSION JOINTS SPACED AT 30 FT.
2. RETAINING WALL SHALL BE BUILT ENTIRELY INSIDE N/A FENCE.
3. WALLS SHALL BE DESIGNED FOR TRAFFIC SURCHARGE. CONTRACTOR SHALL SUBMIT RETAINING WALL DESIGN TO ENGINEER.
4. WALLS SHALL BE CONSTRUCTED VERTICAL.

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I-15 UTAH CO. LINE TO 10600 SO.		UTAH DEPARTMENT OF TRANSPORTATION	
WALL R-434B		SALT LAKE CITY, UTAH	
DETAILS		STRUCTURES DIVISION	
APPROVAL DATE	RECOMM. DATE	DESIGN. BPD. DATE	CHECK. DRS. DATE
1/12/04	1/12/04	01/04	01/04
APPROVED BY	SENIOR DESIGN ENGR.	DRAWN	NRD. DATE
BY UCIT	UCIT	NRD	01/04
PROJECT NUMBER	SP-15-7(167)288	QUANT.	NRD DATE
		CHECK	DRS. DATE
		DRS	01/04
		BY	
		DATE	
		NO.	
		REVISIONS	
		REMARKS	
SHT. 15		OF 15	