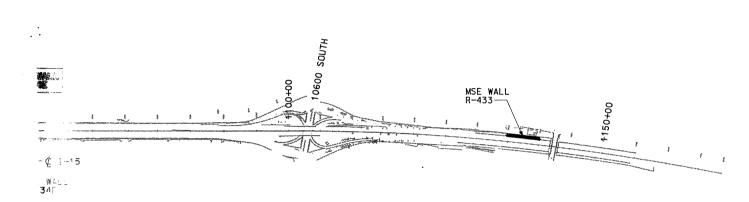
MSE WALL R-434D STRUCTURE F-56W HALDS 80041



LOCATION PLAN

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.
- 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-434E) (ESTIMATED EXPOSED SURFACE AREA 129 SQ. FT.)	1	LUMP	

DESIGN DATA:

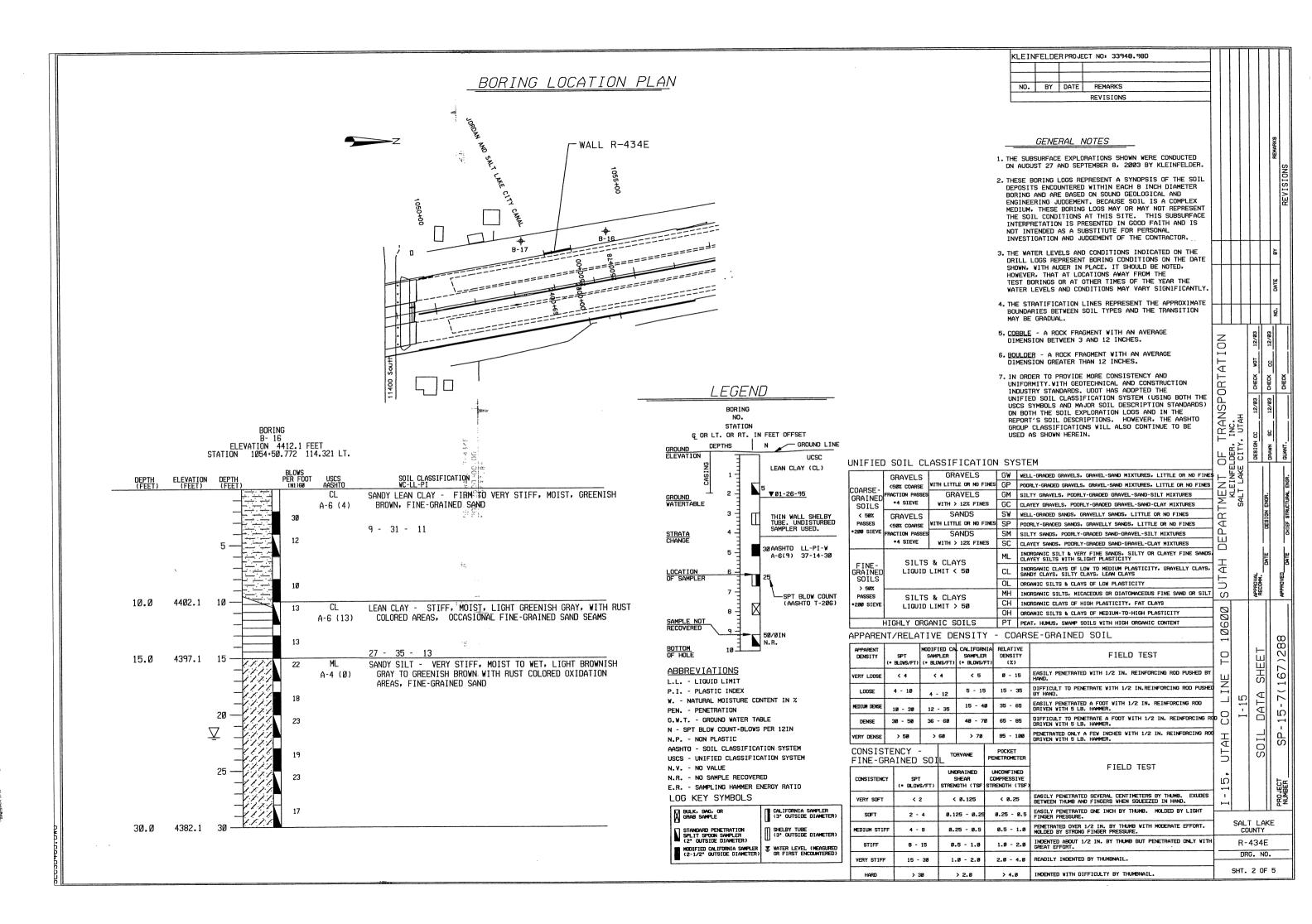
CAST-IN-PLACE CONCRETE: (FOR COPING)

 $f'_c = 3650 \text{ psi; } f'_c = 1200 \text{ psi; } f'_s \text{ (REINF.)} = 24.000 \text{ psi; } n=9$



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BORING B- 17 ELEVATION 4416.3 FEET STATION 1052+38.647 128.337 LT.

DEPTH (FEET)	ELEVATION (FEET)	DEPTH (FEET)	BLOWS PER FOOT (N1)60	USCS AASHTO	SOIL CLASSIFICATION WC-LL-PI
CLI			14	SM A-2-4 (Ø)	SILTY SAND - MEDIUM DENSE, MOIST, DARK BROWN
4.0	4412.3	5 — — —	4	CL A-4 (4)	SANDY LEAN CLAY - SOFT TO STIFF, MOIST, DARK BROWN TO GREENISH GRAY
		丰計			18 - 26 - 8
		10	5		•
14.0	4402.3		12	W.	ON THE CAMP OTHER TO WERV CITED MOICH ODEENIGH ODAY
		15 —	19	ML A-4 (Ø)	SILT WITH SAND - STIFF TO VERY STIFF, MOIST, GREENISH GRAY WITH RUST COLORED OXIDATION AREAS, FINE-GRAINED SAND
		-///	11		
		20	10		
2	4393.3		10	SP-SM	POORLY GRADED SAND WITH SILT - MEDIUM DENSE, MOIST, GREENISH GRAY WITH RUST COLORED OXIDATION
		25 —	14		AREAS, FINE- TO MEDIUM-GRAINED SAND
			15		
30.0	4386.3	30	<u> </u>		

LOG KEY SYMBOLS

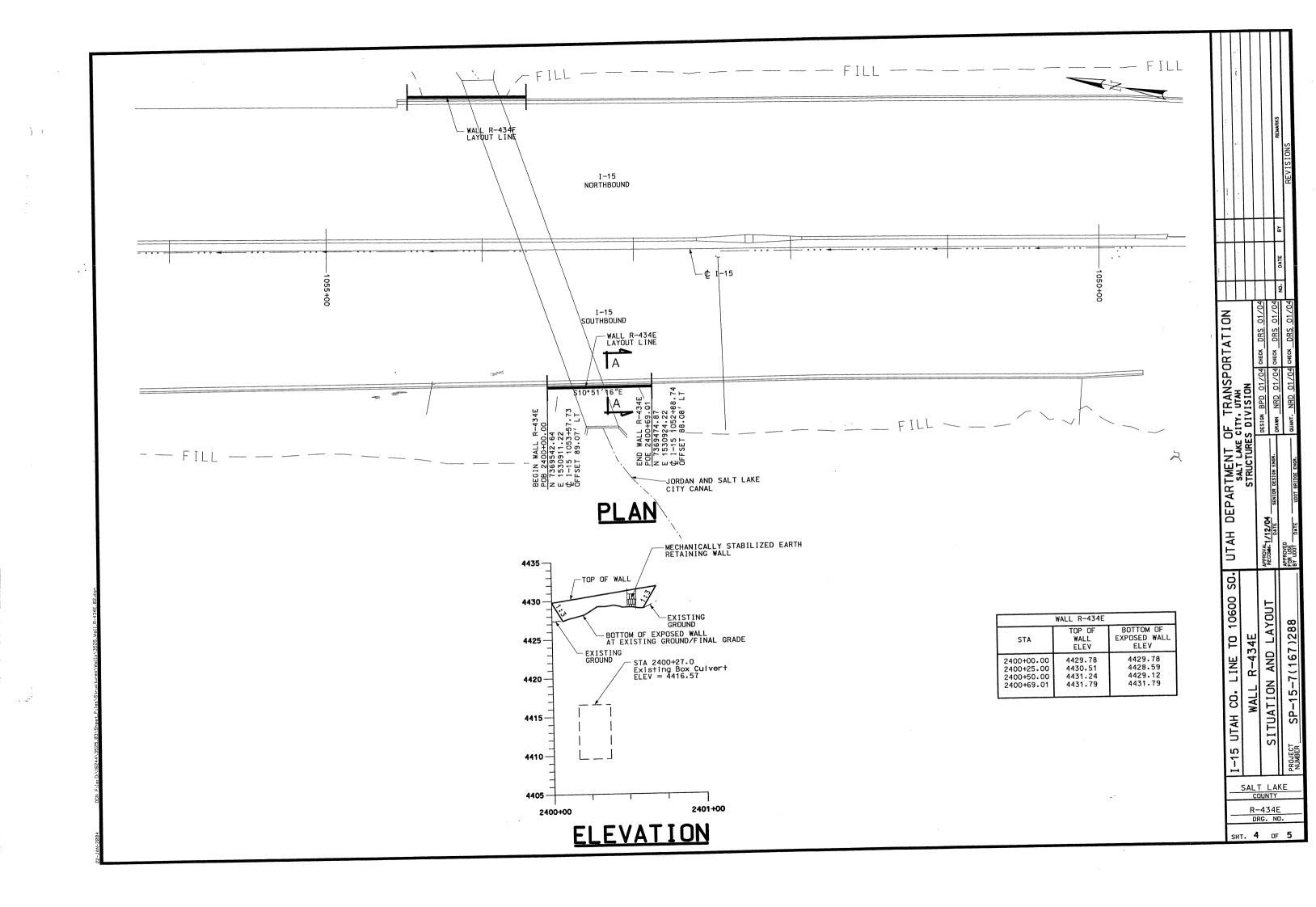
LUG KET STRIBULS	
BULK, BAG, OR GRAB SAMPLE	(3° OUTSIDE DIAMETER)
STANDARD PENETRATION SPLIT SPOON SAMPLER (2° OUTSIDE DIAMETER)	SHELBY TUBE (3' OUTSIDE DIAMETER)
MODIFIED CALIFORNIA SAMPLER (2-1/2" OUTSIDE DIAMETER)	VATER LEVEL (MEASURED) OR FIRST ENCOUNTERED)

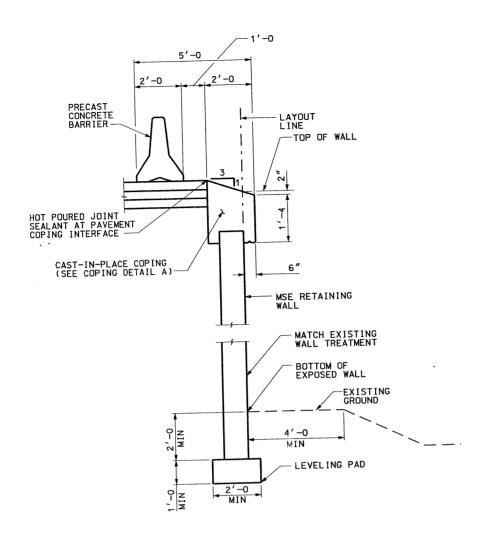
GENERAL NOTES

- 1. THE SUBSURFACE EXPLORATIONS SHOWN WERE CONDUCTED ON AUGUST 27, AND SEPTEMBER 8, 2003 BY KLEINFELDER.
- 2. THESE BORING LOGS REPRESENT A SYNOPSIS OF THE SOIL DEPOSITS ENCOUNTERED WITHIN EACH 8 INCH DIAMETER BORING AND ARE BASED ON SOUND GEOLOGICAL AND ENGINEERING JUDGEMENT. BECAUSE SOIL IS A COMPLEX MEDIUM. THESE BORING 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.
- 3. THE WATER LEVELS AND CONDITIONS INDICATED ON THE DRILL LOGS REPRESENT BORING CONDITIONS ON THE DATE SHOWN, WITH CASING STILL IN PLACE. IT SHOULD BE NOTED, HOWEVER, THAT AT LOCATIONS AWAY FROM THE TEST BORINGS OR AT OTHER TIMES OF THE YEAR THE WATER LEVELS AND CONDITIONS MAY VARY SIGNIFICANTLY.
- 4. THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL.
- 5. <u>COBBLE</u> A ROCK FRAGMENT WITH AN AVERAGE DIMENSION BETWEEN 3 AND 12 INCHES.
- 6. <u>BOULDER</u> A ROCK FRAGMENT WITH AN AVERAGE DIMENSION GREATER THAN 12 INCHES.
- 7. IN ORDER TO PROVIDE MORE CONSISTENCY AND UNIFORMITY WITH GEOTECHNICAL AND CONSTRUCTION INDUSTRY STANDARDS. UDDI HAS ADDPTED THE UNIFIED SOIL CLASSIFICATION SYSTEM (USING BOTH THE USCS SYMBOLS AND MAJOR SOIL DESCRIPTION STANDARDS) 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.

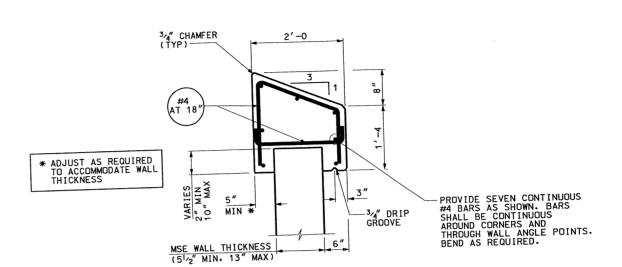
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SECTION A-A



COPING DETAIL "A"

(ENGINEER APPROVAL REQUIRED TO MODIFY COPING DIMENSIONS)

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.

					DATE BY REMARKS			
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