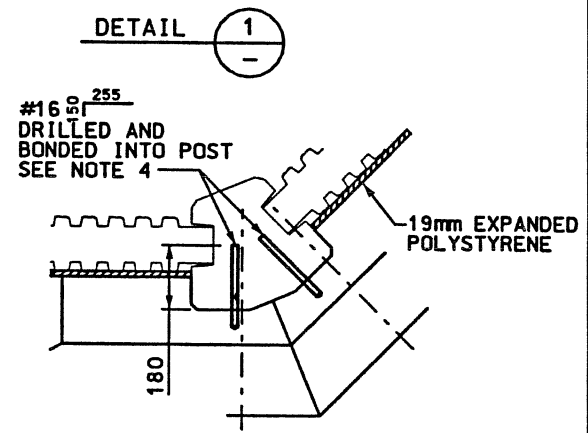
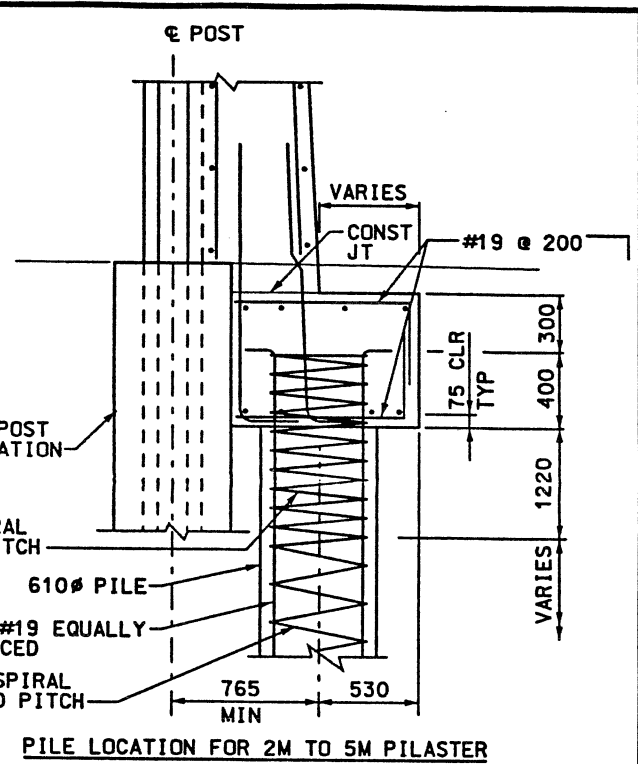
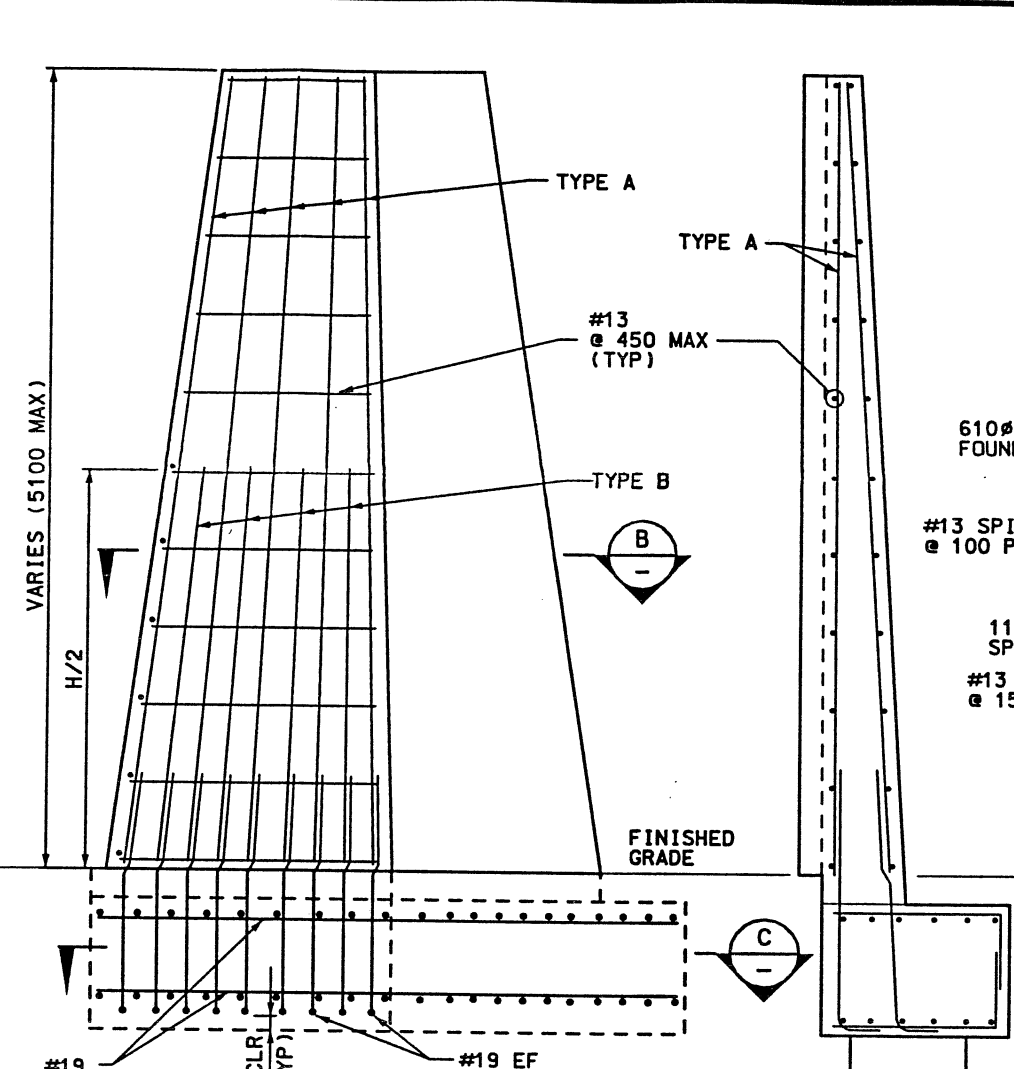
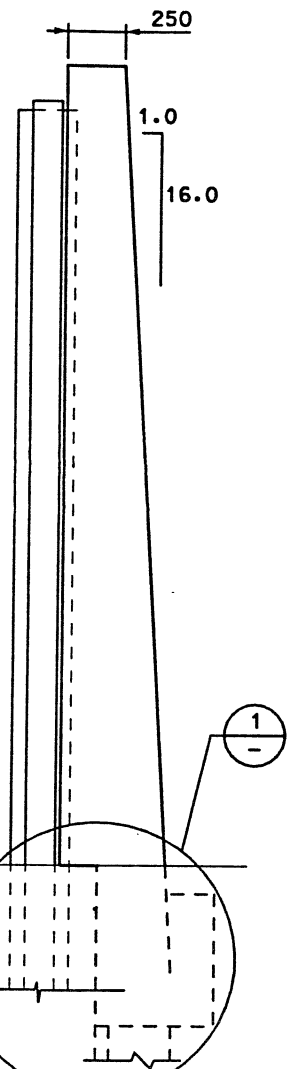
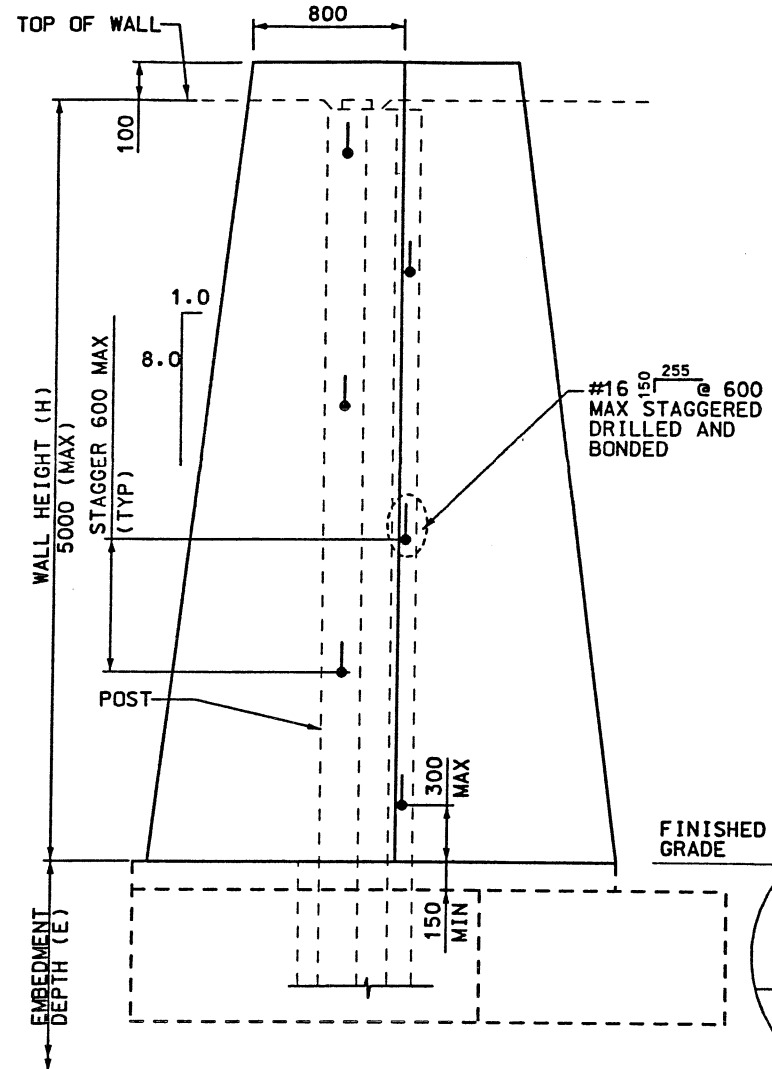


Date: 20-OCT-1998 Time: 10:08 User: nmeave@stcjr



DRILLED & BONDED ANCHOR DETAIL NTS

TABLE FOR EMBEDMENT OF PILE

TABLE 1	
DESIGN "H" IN METERS (MAX)	"E" IN METERS (E=0.90 X H)
2.75	3.00
3.50	3.25
4.25	4.00
5.00	4.50

- NOTES:
- 1) ALL CAST-IN-PLACE CONCRETE SHALL BE CLASS AA (AE) EXCEPT WHERE OTHERWISE NOTED. $f'_c=28MPa$. CHAMFER ALL EXPOSED CONCRETE CORNERS 20mm OR 13mm RADIUS. PROVIDE 50mm COVER TO REINFORCING STEEL EXCEPT WHERE SPECIFIED OTHERWISE.
 - 2) ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
 - 3) FOR POST FOUNDATION BACKFILL. SEE UDOT STD. 546-1 & 546-2.
 - 4) FOR ADDITIONAL INFORMATION ON DRILLING AND BONDING. REFER TO STANDARD SPECIFICATION (550).

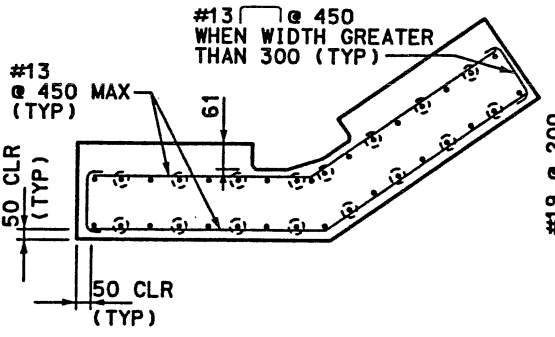
ELEVATION

SECTION A

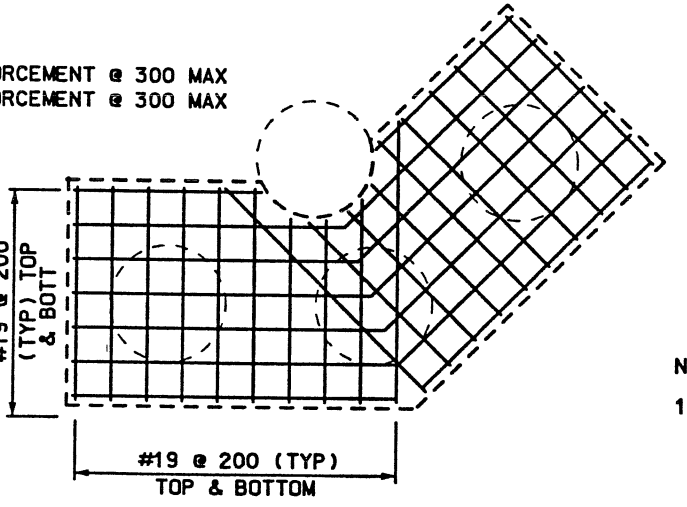
ELEVATION

SECTION A

LEGEND:
 • TYPE A: #13 FULL HEIGHT REINFORCEMENT @ 300 MAX
 • TYPE B: #13 HALF HEIGHT REINFORCEMENT @ 300 MAX



SECTION B

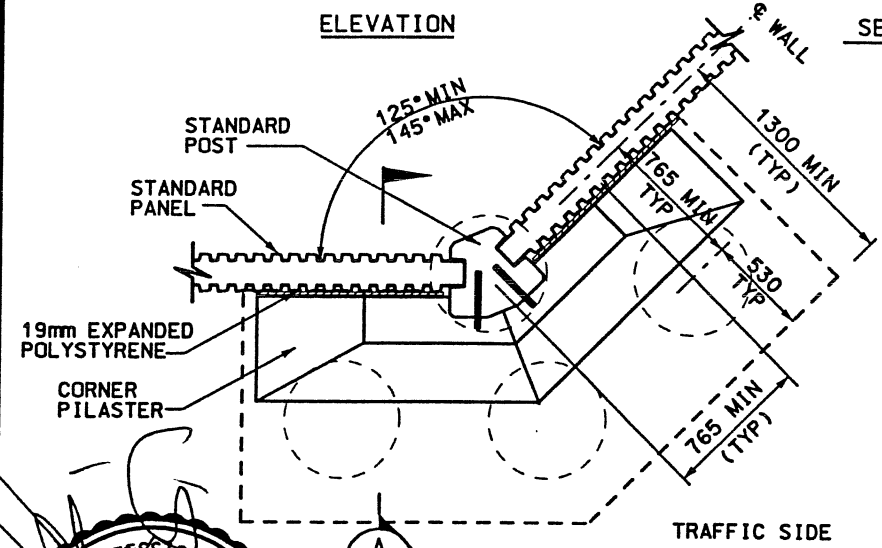


SECTION C

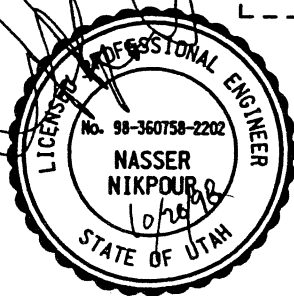
TYPICAL PILASTER REINFORCEMENT NTS

NOTE: VERT REINF NOT SHOWN FOR CLARITY
 WASATCH CONSTRUCTORS

OCT 22 1998



PLAN
 RETAINING/SOUNDWALL CORNER
 PILASTER FOR TYPE II POST



UTAH DEPARTMENT OF TRANSPORTATION

APPROVED FOR CONSTRUCTION

NO. DATE 10/16/98 INITIAL RELEASE

DESIGNER: SVERDRUP/DE LEUW
 DESIGNER: NASSER NIKPOUR
 PROJECT DESIGN ENGINEER: JIM KLEMZ
 DRAWN BY: MJS
 QUANT. CHECKER: DH

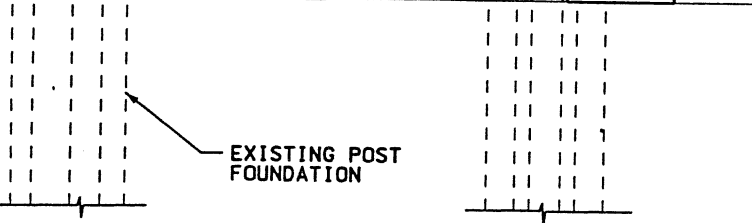
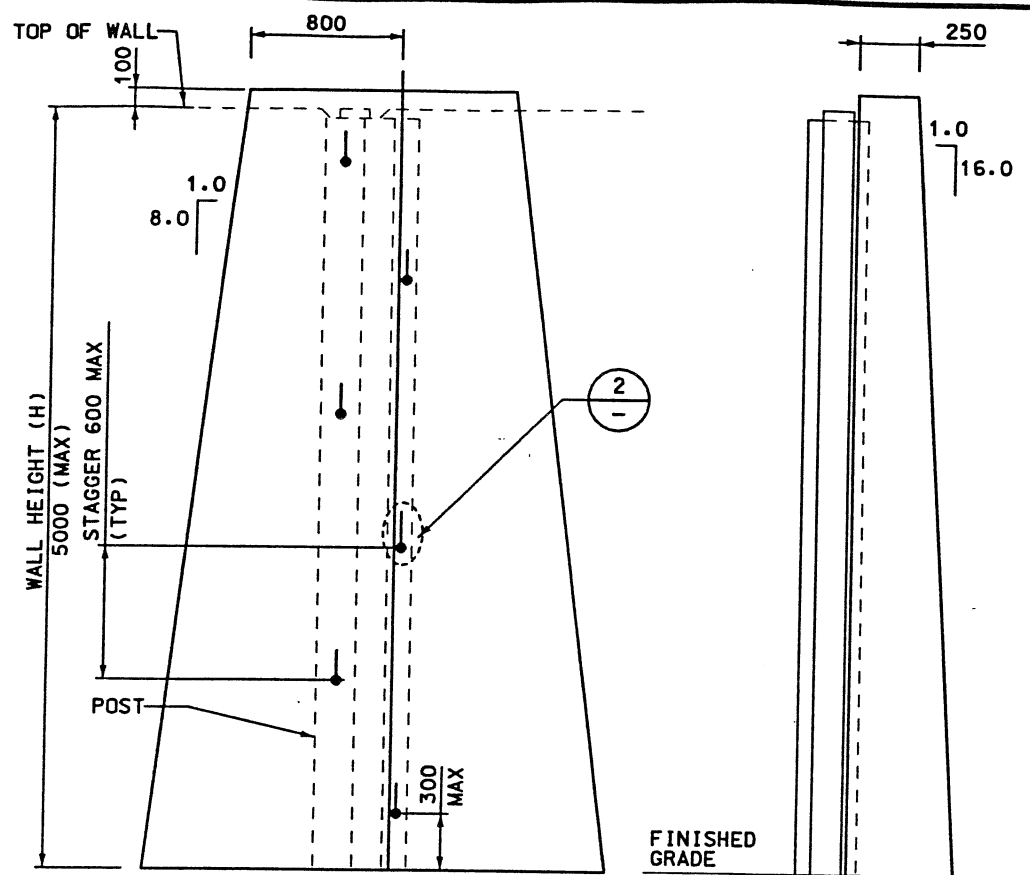
I-15 CORRIDOR RECONSTRUCTION
 TYPE II PILASTER - PILE SUPPORT
 CORRIDOR STANDARD PLAN
 PROJECT NUMBER: #SP-15-7(135)296

SALT LAKE COUNTY
 DWG. NO. CS-41-1

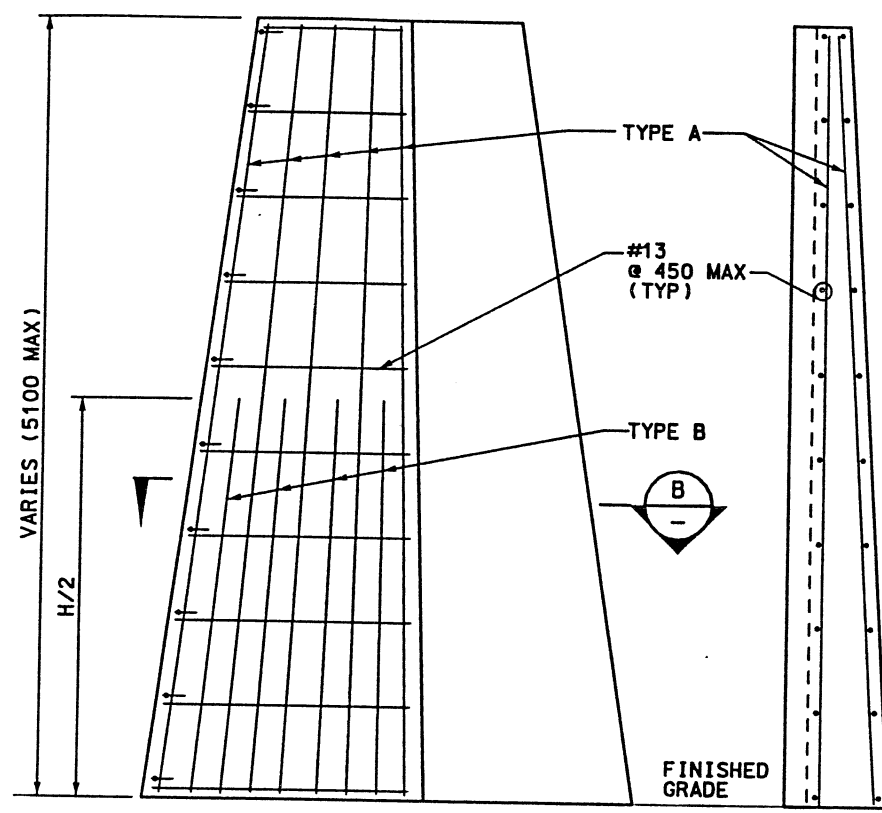
SHT. OF

Date: 19-OCT-1998 Time: 12:23 User name: henklecb

File name: c:\pwn\115-ood\115-97\areat_files\corridor_std\plan\os_typical_0412.dgn



ELEVATION SECTION A

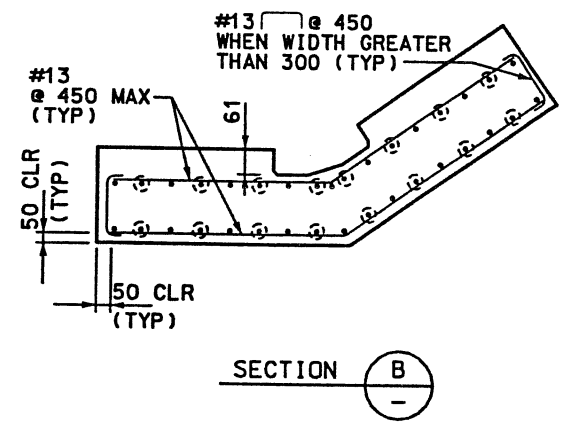


ELEVATION SECTION B

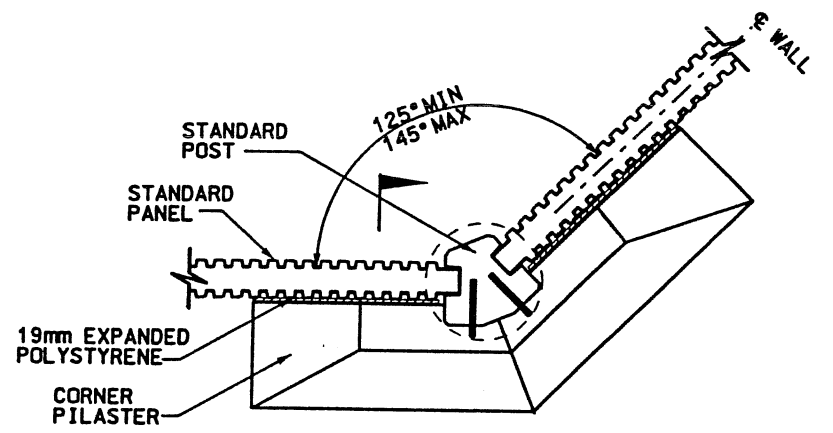
TYPICAL PILASTER REINFORCEMENT NTS

LEGEND:

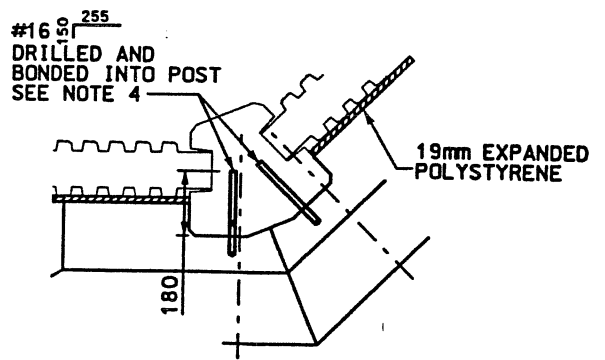
- TYPE A: #13 FULL HEIGHT REINFORCEMENT @ 300 MAX
- ⊙ TYPE B: #13 HALF HEIGHT REINFORCEMENT @ 300 MAX



SECTION B



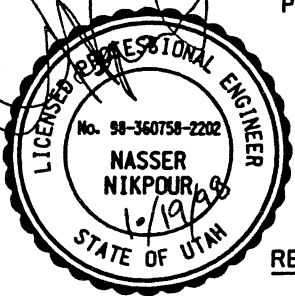
PLAN



DETAIL 2
DRILLED & BONDED ANCHOR DETAIL
NTS

NOTES:

- 1) ALL CAST-IN-PLACE CONCRETE SHALL BE CLASS AA (AE) EXCEPT WHERE OTHERWISE NOTED. $f'_c=28\text{MPa}$. CHAMFER ALL EXPOSED CONCRETE CORNERS 20mm OR 13mm RADIUS. PROVIDE 50mm COVER TO REINFORCING STEEL EXCEPT WHERE SPECIFIED OTHERWISE.
- 2) ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
- 3) FOR POST FOUNDATION BACKFILL, SEE UDOT STD. 546-1 & 546-2.
- 4) FOR ADDITIONAL INFORMATION ON DRILLING AND BONDING, REFER TO STANDARD SPECIFICATION (550).

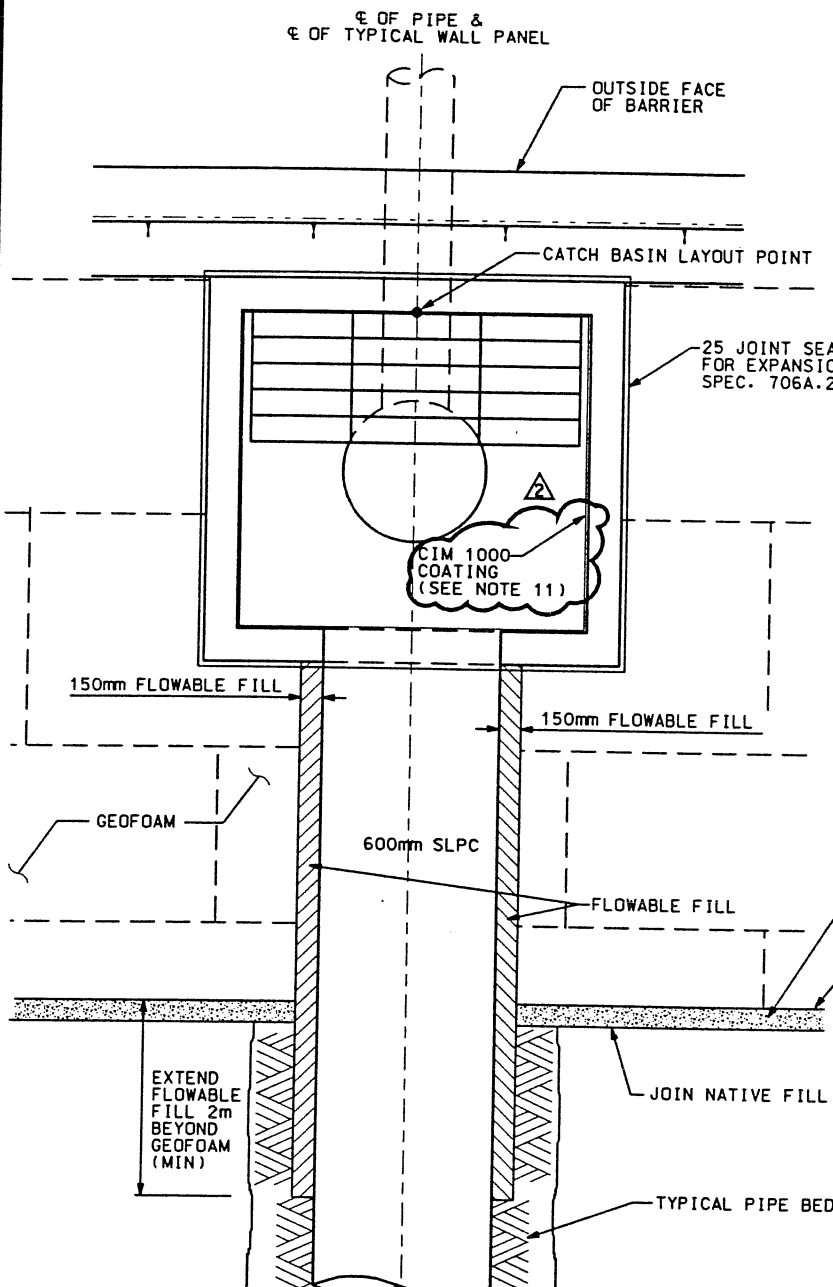


RETAINING/SOUNDWALL CORNER PILASTER FOR TYPE II POST

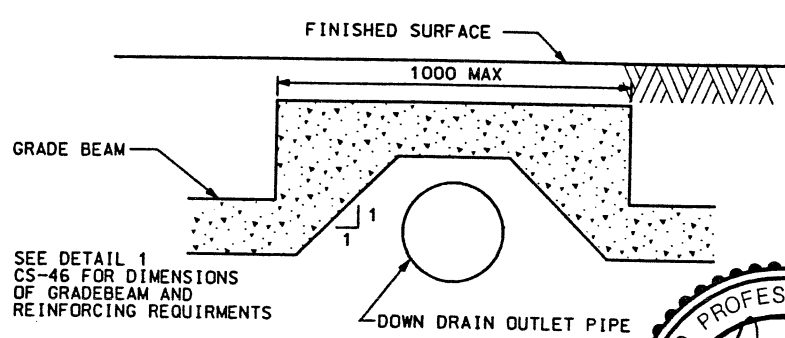
WASATCH CONSTRUCTORS
OCT 22 1998
RELEASED FOR CONSTRUCTION

APPROVED FOR CONSTRUCTION		DESCRIPTION	
NO.	DATE	INITIAL	RELEASE
1	10/16/98		
UTAH DEPARTMENT OF TRANSPORTATION			
SVERDRUP/DE LEUW		DESIGN	CHECK
DESIGN	RH	09/98	SZ
DRANK	MJS	09/98	DH
QUANT.			CHECK
CORRIDOR RECONSTRUCTION		CORRIDOR STANDARD PLAN	
TYPE II PILASTER		PROJECT NUMBER #SP-15-7(135)296	
SALT LAKE COUNTY			
DWG. NO. CS-41-2			
SHT. _____		OF _____	

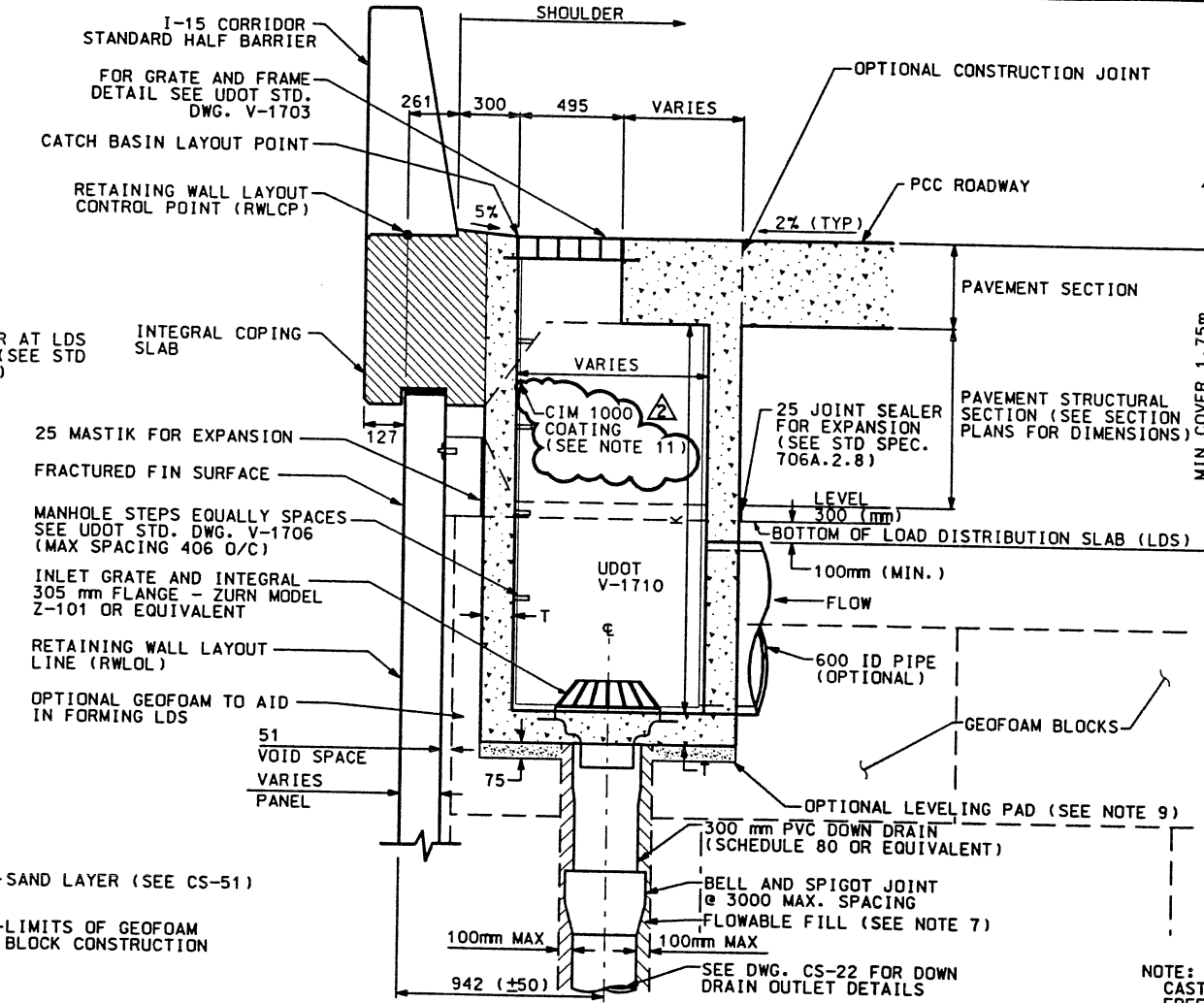
User: jacob.jackel Date: 17-SEP-1998 Time: 16:03
 File: c:\dgn\15_cadd\15_97\sheet_files\corridor_atdph\15_typ\104_042_1.dgn



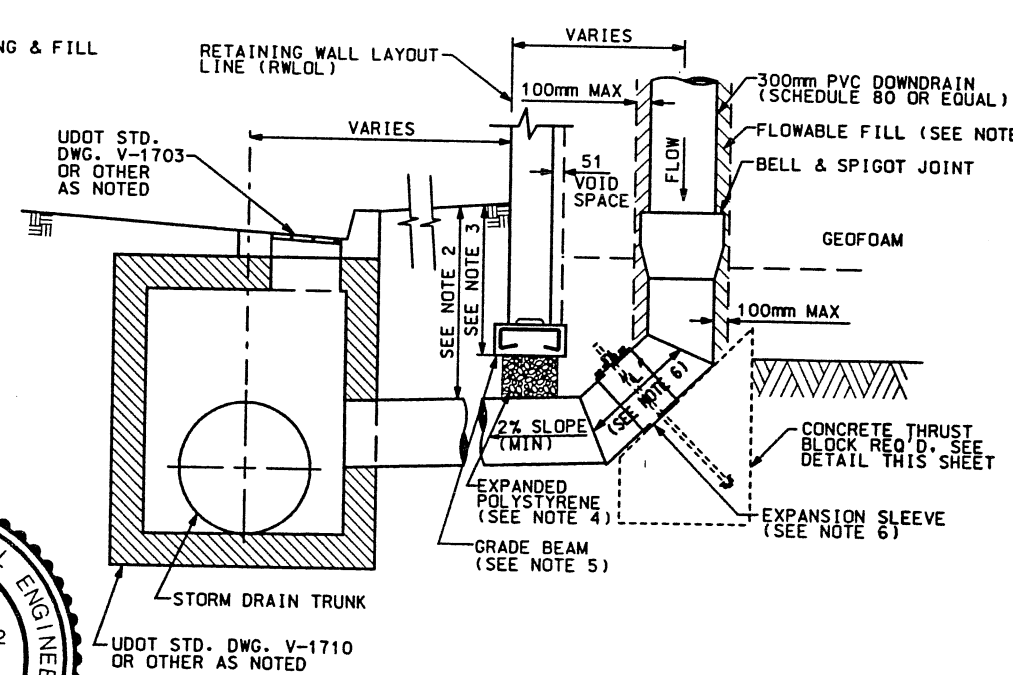
PLAN: CATCH BASIN & CONNECTOR PIPE
NTS



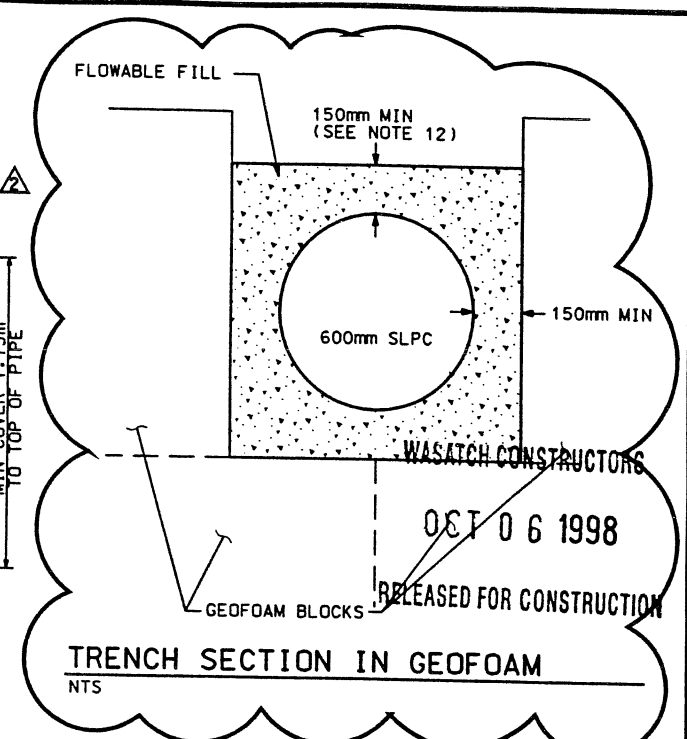
WALL NOTCH DETAIL
NTS



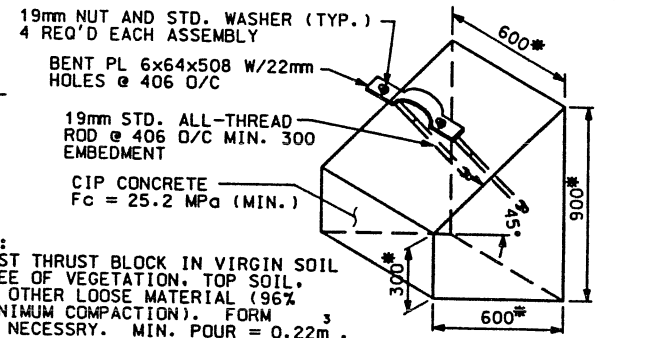
CATCH BASIN & DOWN DRAIN W/GEOFOAM
NTS



OUTLET DETAIL
NTS



TRENCH SECTION IN GEOFOAM
NTS

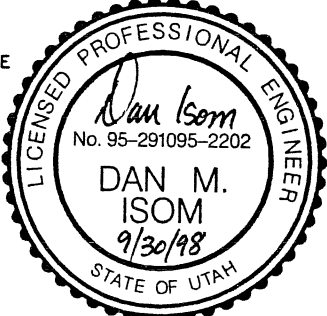


CONCRETE THRUST BLOCK DETAIL FOR 300mm DOWN DRAIN PIPE
NTS

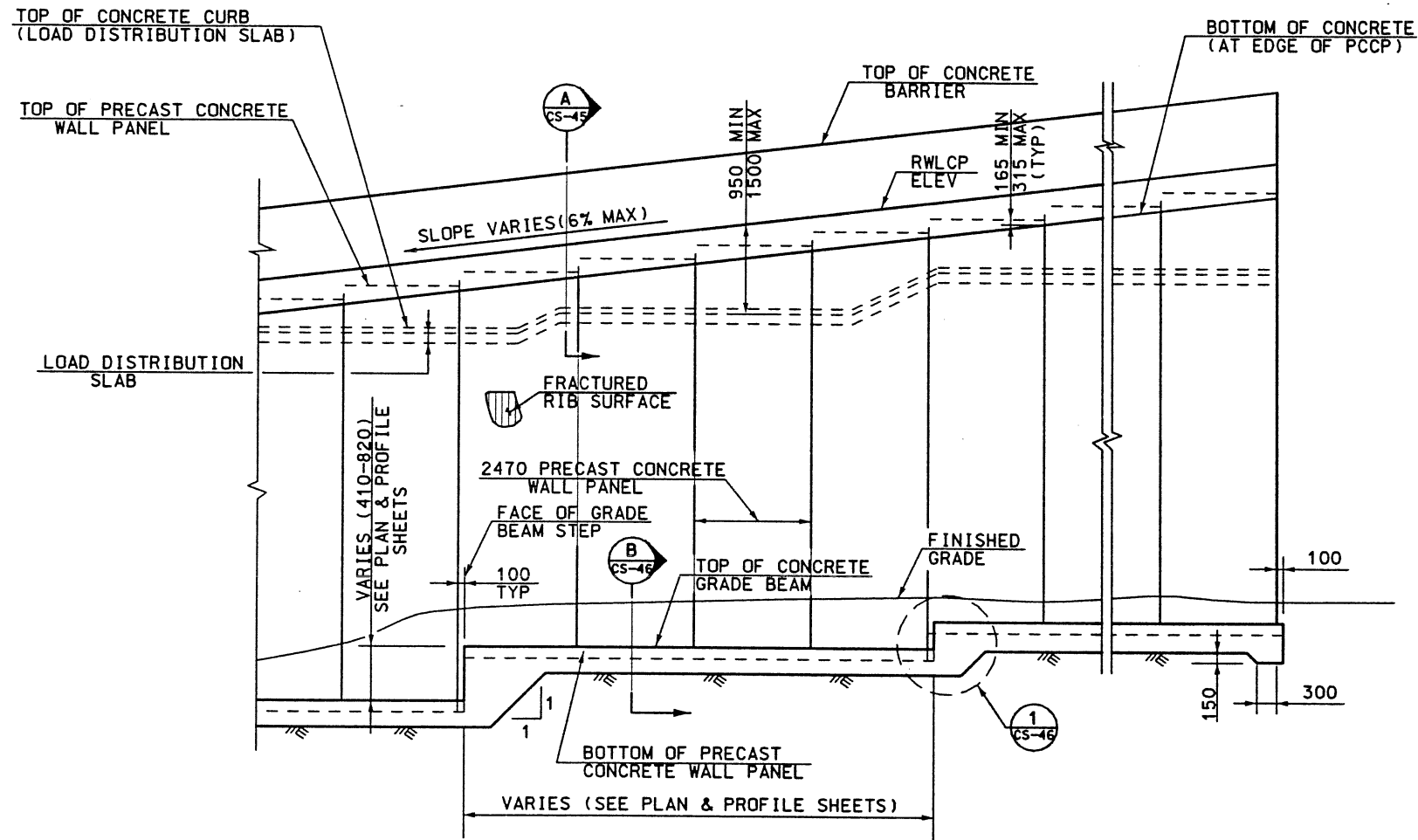
- GENERAL NOTES:**
- ALL DIMENSIONS ARE MILLIMETERS (mm) UNLESS OTHERWISE NOTED.
 - MINIMUM COVER TO TOP OF PIPE IS 860 mm FOR ASSUMED MINIMUM WALL EMBEDMENT REQUIREMENTS.
 - DEPTH TO BOTTOM OF GRADE BEAM IS 881 mm FOR THIS DETAIL. THE DEPTH OF THE GRADE BEAM MUST BE CONFIRMED AT THE LOCATIONS WHERE THE DOWN DRAIN CROSSES UNDER. THE GRADE BEAM & WALL CAN BE NOTCHED WHERE CLEARANCE BETWEEN THE GRADE BEAM & PIPE IS NOT POSSIBLE (SEE DETAIL THIS DWG).
 - EXPANDED POLYSTYRENE FOAM SHALL BE PROVIDED BETWEEN GRADE BEAM AND PROPOSED LATERAL PIPE AS SHOWN (100 mm MINIMUM THICKNESS).
 - FOR GRADE BEAM DETAIL SEE CS-46
 - AN EXPANSION SLEEVE (PVC PIPE UNION) SHALL BE PROVIDED WHEN LENGTH BETWEEN 45-DEGREE BEND JOINTS EXCEEDS 1500 mm. WHEN BEND-TO-BEND LENGTH IS LESS THAN OR EQUAL TO 1500 mm, PROVIDE BEND-TO-BEND CONNECTION WITH BELL AND SPIGOT JOINTS OMITTING SLEEVE.
 - AREA BETWEEN DOWN DRAIN & GEOFOAM WILL BE FILLED WITH TYPE B FLOWABLE FILL TO SECURE PIPE
 - THE REINFORCEMENT REQUIREMENTS FOR THE OPENING IN THE LDS FOR THE CATCH BASINS ARE SHOWN ON DWG CS-42-2.
 - IF A PRECAST BOX IS USED, A 75mm THICK LEVELING PAD IS REQUIRED. USE PV BLANKET DRAIN MATERIAL PER I-15 CORRIDOR SPEC 220.2.2-1.
 - FOR BOX LID, BARRIER & MOMENT SLAB CONNECTION SEE CS-19-2.
 - COMMERCIAL INDUSTRIAL MEMBRANE 1000 (CIM 1000) OR EQUAL IS TO BE USED TO COAT WALLS & FLOOR OF ALL CATCH BASINS LOCATED IN GEOFOAM AREAS. SEE GENERAL APPLICATION INFORMATION C.I.M. INDUSTRIES INC.
 - THE MINIMUM CLEARANCE BETWEEN THE OUTSIDE OF THE 600mm SLPC AND THE GEOFOAM IS 100mm. THE CROSS PIPE MUST BE SUPPORTED IN ORDER TO ALLOW THE FLOWABLE FILL TO ENCLOSE THE PIPE THUS PROVIDING THE SECOND LAYER OF PROTECTION.
 - ALL DRAINAGE CATCH BASINS AND PIPE ADJACENT TO GEOFOAM MUST HAVE TWO LAYERS OF PROTECTION IN THE EVENT OF A PETROLEUM OR CHEMICAL SPILL. THE CONCRETE BOX AND PIPE ACTS AS THE FIRST LAYER. THE ASPHALT COATING FOR THE BOX AND FLOWABLE FILL FOR THE PIPE ACTS AS THE SECOND LAYER OF PROTECTION.

DESIGN DATA
MS-18 OR INTERSTATE ALTERNATE LOADING IN ACCORDANCE WITH CURRENT AASHTO SPECIFICATIONS

CAST-IN-PLACE STRUCTURAL CONCRETE: $f_c = 21 \text{ MPa}$, $n=8$
 PRE-CAST STRUCTURAL CONCRETE: $f_c = 21 \text{ MPa}$, $n=8$,
 REINFORCING STEEL: $f_y = 420 \text{ MPa}$
 STRUCTURAL STEEL: $f_y = 250 \text{ MPa}$



APPROVED FOR CONSTRUCTION		DESCRIPTION	
NO.	DATE	NO.	DATE
1	1/27/98	1	1/27/98
2	9/21/98	2	9/21/98
ORIGINAL RELEASE		ADDITIONAL NOTES ADDED & MASTIC COATING	
UTAH DEPARTMENT OF TRANSPORTATION			
SVERDRUP/DE LEUW		MARK OODA	
DESIGN	VAL	CHECK	DATE
9/1/98	9/1/98	9/1/98	9/1/98
PROJECT DESIGN ENGINEER	JRJ	CHECK	DATE
JOHN TERRY	9/1/98	9/1/98	9/1/98
SECTION MANAGER	DATE	SECTION MANAGER	DATE
SECTION MANAGER	DATE	SECTION MANAGER	DATE
I-15 CORRIDOR RECONSTRUCTION			
CATCH BASIN DOWN DRAIN IN GEOFOAM			
CORRIDOR STANDARD PLAN			
PROJECT NUMBER #SP-15-7(135)296			
SALT LAKE COUNTY			
DWG. NO. CS-42-1			
SHT. 1 OF 1			



ELEVATION-GEOFOAM (GPS) WALL
NTS

WASATCH CONSTRUCTORS
MAR 20 1998
RELEASED FOR CONSTRUCTION

NOTE:

1. ALL DIMENSION ARE IN MM UNLESS OTHERWISE NOTED.

2. FOR DETAILS UNDER APPROACH SLABS AND BRIDGES SEE CS-49

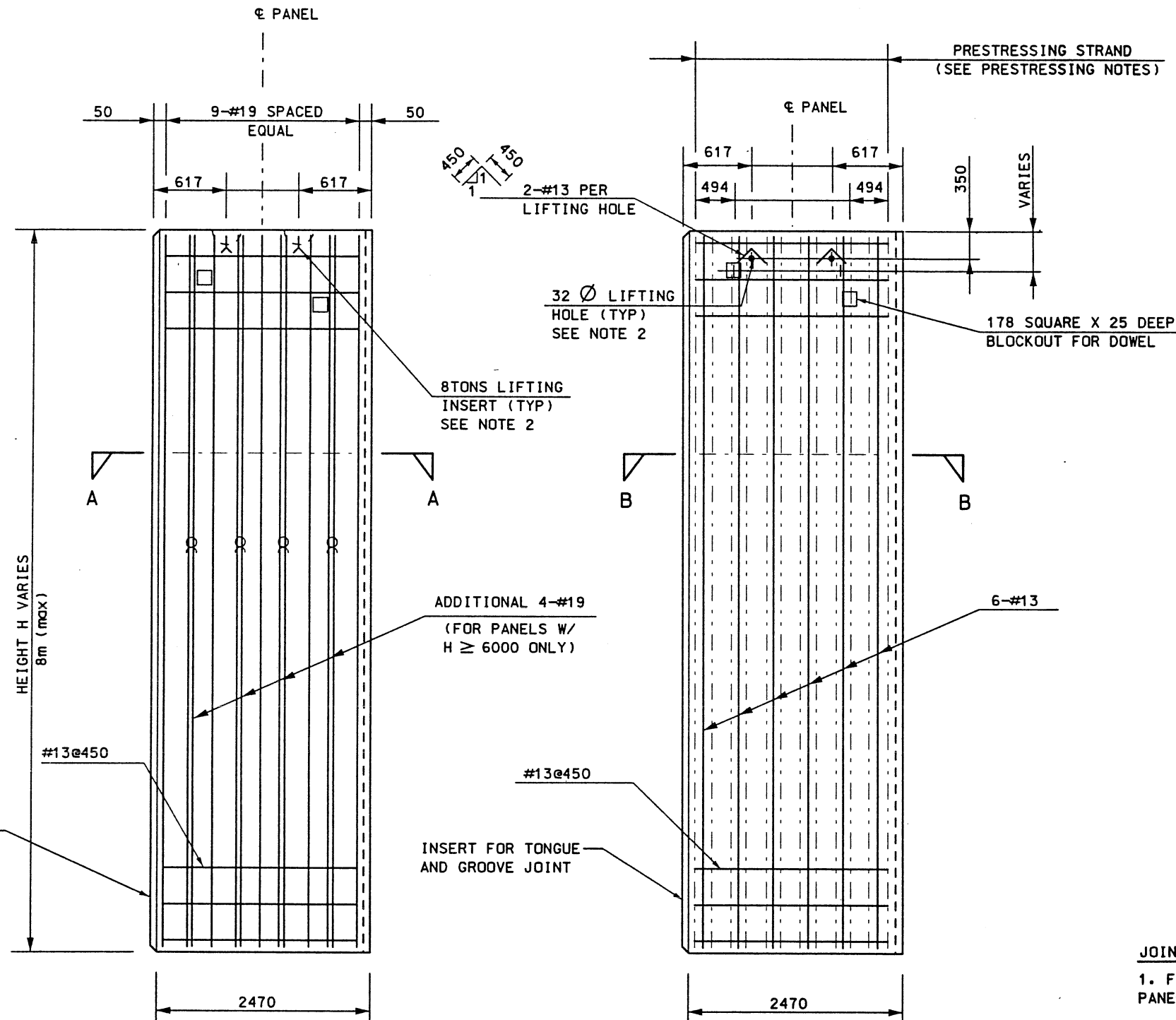
DELETED NOT APPROVED FOR CONSTRUCTION NOTE



APPROVED FOR CONSTRUCTION		DESCRIPTION	
NO.	DATE		
A	11/11/97	RELEASE FOR GEOFOAM WALL ONLY.	
B	2/23/98	APPROVED FOR CONSTRUCTION AT BRIDGES	

UTAH DEPARTMENT OF TRANSPORTATION			
SVERDRUP/DE LEUW			
DESIGN JOB	11/97	CHECK JOB	11/97
PROJECT DESIGN ENGINEER	JOHN WILSON	CHECK JKS	11/97
DATE	11/11/97	CHECK MP	11/97
PROJECT NUMBER	#SP-15-7(135)296	QUANT.	
SECTION MANAGER	JOHN TERRY		
DATE	11/11/97		

I-15 CORRIDOR RECONSTRUCTION	ELEVATION - GEOFOAM WALLS
CORRIDOR STANDARD PLAN	
SALT LAKE COUNTY	
DWG. NO.	CS-43
SHT.	OF



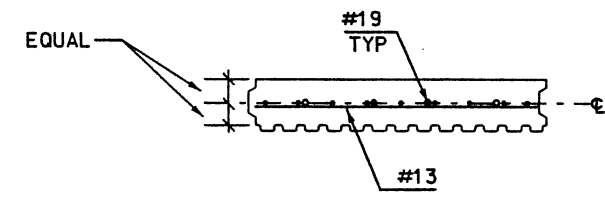
NOTES:

1. J BARS @ BOTTOM OF PANEL NOT SHOWN FOR CLARITY, SEE SECTION B & SHEET CS 46
2. LIFTING INSERTS OR LIFTING HOLES MAY BE UTILIZED FOR EITHER PANEL AT CONTRACTORS OPTION
3. CONTRACTOR TO PROVIDE DOWEL LOCATIONS
4. ALL DIMENSION ARE IN MM UNLESS OTHERWISE NOTED.

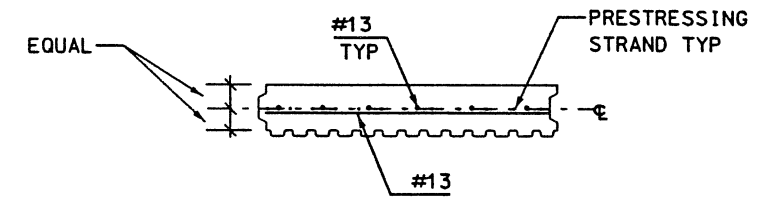
**PRECAST REINFORCED
CONCRETE OPTION**

**PRECAST PRESTRESSED
CONCRETE OPTION**

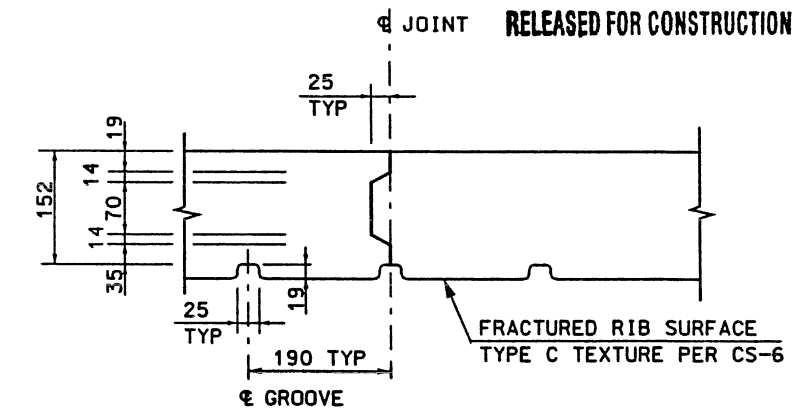
**PRECAST WALL PANEL
NTS**



SECTION A-A



SECTION B-B



**TYPICAL WALL PANEL JOINT DETAIL
NTS**

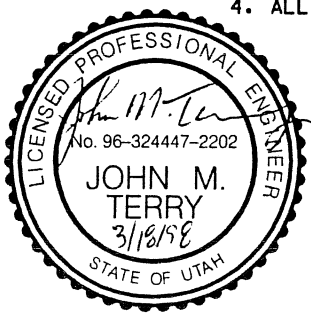
JOINT DETAIL NOTES:

1. FACE OF PANELS TO MATCH FACE OF MSE WALL PANELS AT INTERFACES

PRESTRESSING NOTES:

CONCRETE STRENGTH : $f_c' = 34 \text{ MPa}$ AT 28 DAYS
 $f_c' = 28 \text{ MPa}$ AT TIME OF PRESTRESSING

PRESTRESSING STEEL : GRADE 270 LOW RELAXATION STRAND
 $P_f =$ FORCE REQUIRED AT CENTER OF SPAN AFTER ALL LOSSES
 = 761 KN PER PANEL

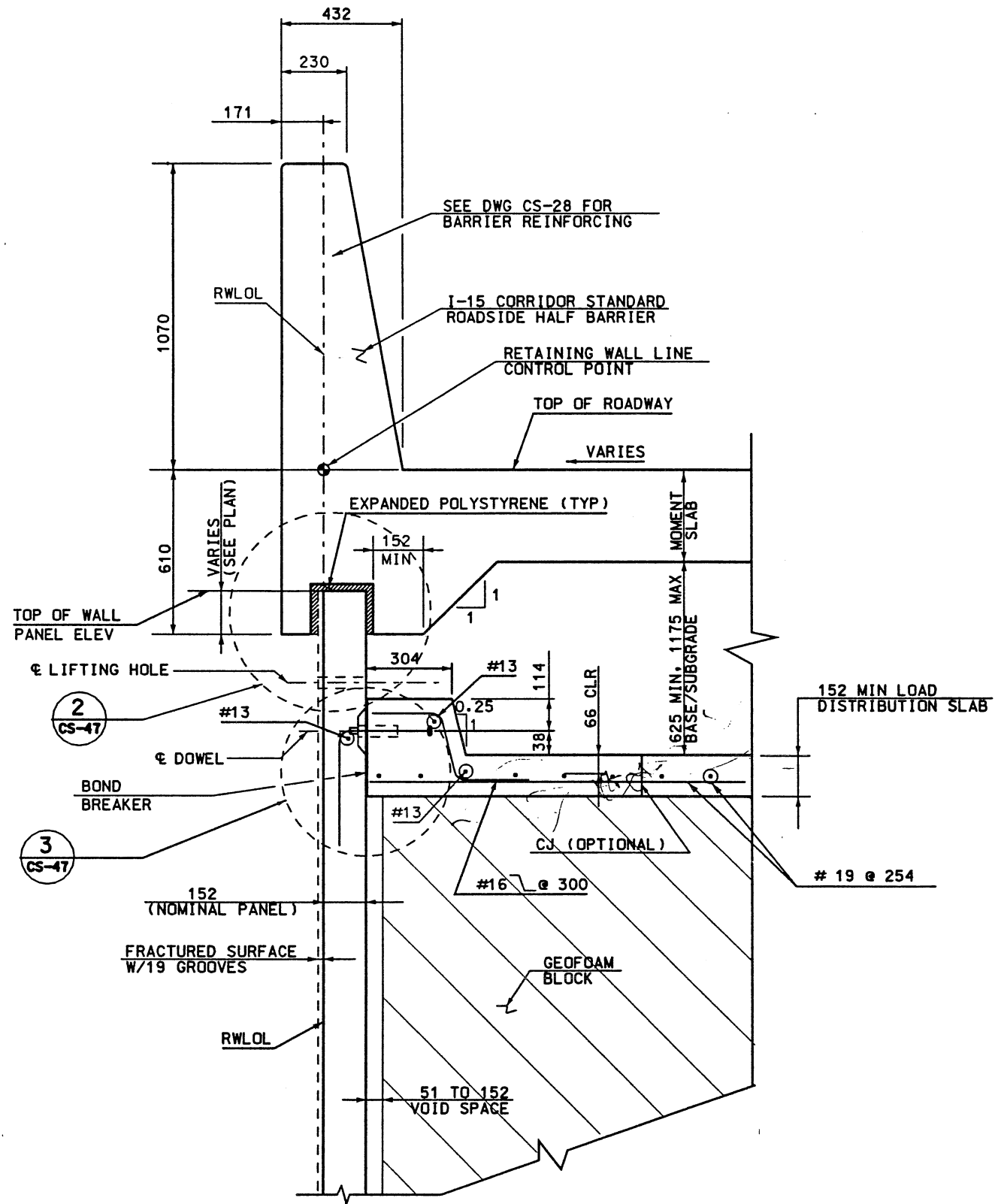


**WASATCH CONSTRUCTORS
MAR 20 1998**

RELEASED FOR CONSTRUCTION

APPROVED FOR CONSTRUCTION		DESCRIPTION	
NO.	DATE	NO.	DATE
1	11/11/97	1	11/11/97
2	2/29/98	2	11/97
RELEASE FOR GEOFOAM WALL ONLY. APPROVED FOR CONSTRUCTION AT BRIDGES.			
UTAH DEPARTMENT OF TRANSPORTATION			
SVERDRUP/DE LEUW		CHECK JOB	11/97
JOHN WILSON		CHECK JLS	11/97
PROJECT DESIGN ENGINEER		CHECK MTP	11/97
DATE 11/11/97		QUANT.	
APPROVED 11/11/97		SECTION MANAGER	
DATE			
I-15 CORRIDOR RECONSTRUCTION			
GEOFOAM WALL PANEL DETAILS			
CORRIDOR STANDARD PLAN			
PROJECT NUMBER #SP-15-7(135)296			
SALT LAKE COUNTY			
DWG. NO. CS-44			
SHT. _____ OF _____			

2 DELETED NOT APPROVED FOR CONSTRUCTION NOTE



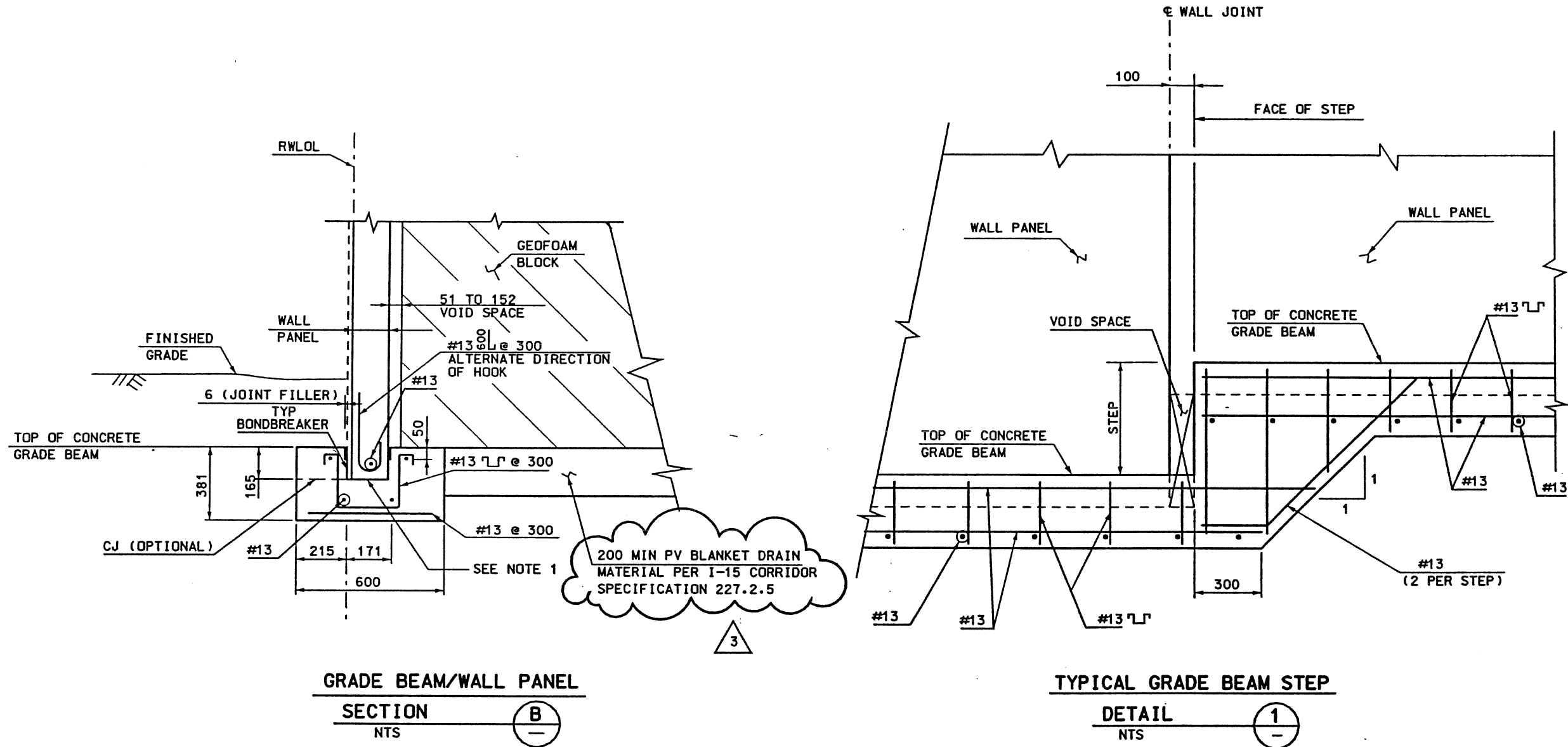
LOAD DISTRIBUTION SLAB RESTRAINT
SECTION A
NTS

WASATCH CONSTRUCTORS
APR 13 1998
RELEASED FOR CONSTRUCTION

NOTES:

- LOAD DISTRIBUTION SLAB DESIGNED FOR HS 20 LOADING.
- WHEEL LOADS ARE NOT PERMITTED WITHIN 1500 OF FREE EDGE OF LOAD DISTRIBUTION SLAB PRIOR TO PLACING PCCP SLAB.
- LIFTING HOLES TO BE DRY PACKED.
- ALL DIMENSION ARE IN MM UNLESS OTHERWISE NOTED.
- SEE CS-28 FOR MOMENT SLAB REINFORCING.
- FOR DETAILS UNDER APPROACH SLABS AND BRIDGES SEE CS-49
- TRANSVERSE CONSTRUCTION JOINTS ARE ALLOWED IN THE LOAD DISTRIBUTION SLAB AT THE OPTION OF THE CONTRACTOR.
- ALL CRACKS OVER 0.5 MM SHALL BE SEALED WITH A HIGH MOLECULAR WEIGHT METHYL METHACRYLATE SEALANT (TRANSPO T-70 OR EQUAL).
- CONCRETE SHALL BE CLASS AA(AE) EXCEPT AS MODIFIED FOR $f'_c=27.5MPa$ (4,000 PSI). NO CONSTRUCTION LOADS SHALL BE PERMITTED ON THE LOAD DISTRIBUTION SLAB UNTIL AFTER 7 DAYS OF CURING.

APPROVED FOR CONSTRUCTION		DESCRIPTION	
NO.	DATE		
1	11/11/97	RELEASE FOR GEOFOAM WALL ONLY.	
2	2/29/98	APPROVED FOR CONSTRUCTION AT BRIDGES	
3	04/10/98	ADD NOTES	
UTAH DEPARTMENT OF TRANSPORTATION			
SVERDRUP/DE LEUW		CHECK	DATE
DESIGN	JOB	11/97	11/97
DRAWN	VAL	11/97	11/97
SECTION	MANAGER	CHECK	DATE
JOHN WILSON	JOHN TERRY	11/97	11/97
PROJECT	DESIGN	ENGINEER	
11/11/97	DATE	11/11/97	DATE
APPROVED	11/11/97	DATE	
I-15 CORRIDOR RECONSTRUCTION		CORRIDOR STANDARD PLAN	
GEOFOAM WALL RESTRAINT DETAILS		PROJECT NUMBER #SP-15-7(135)296	
SALT LAKE COUNTY			
DWG. NO. CS-45			
SHT. 8			



GRADE BEAM/WALL PANEL
SECTION B
NTS

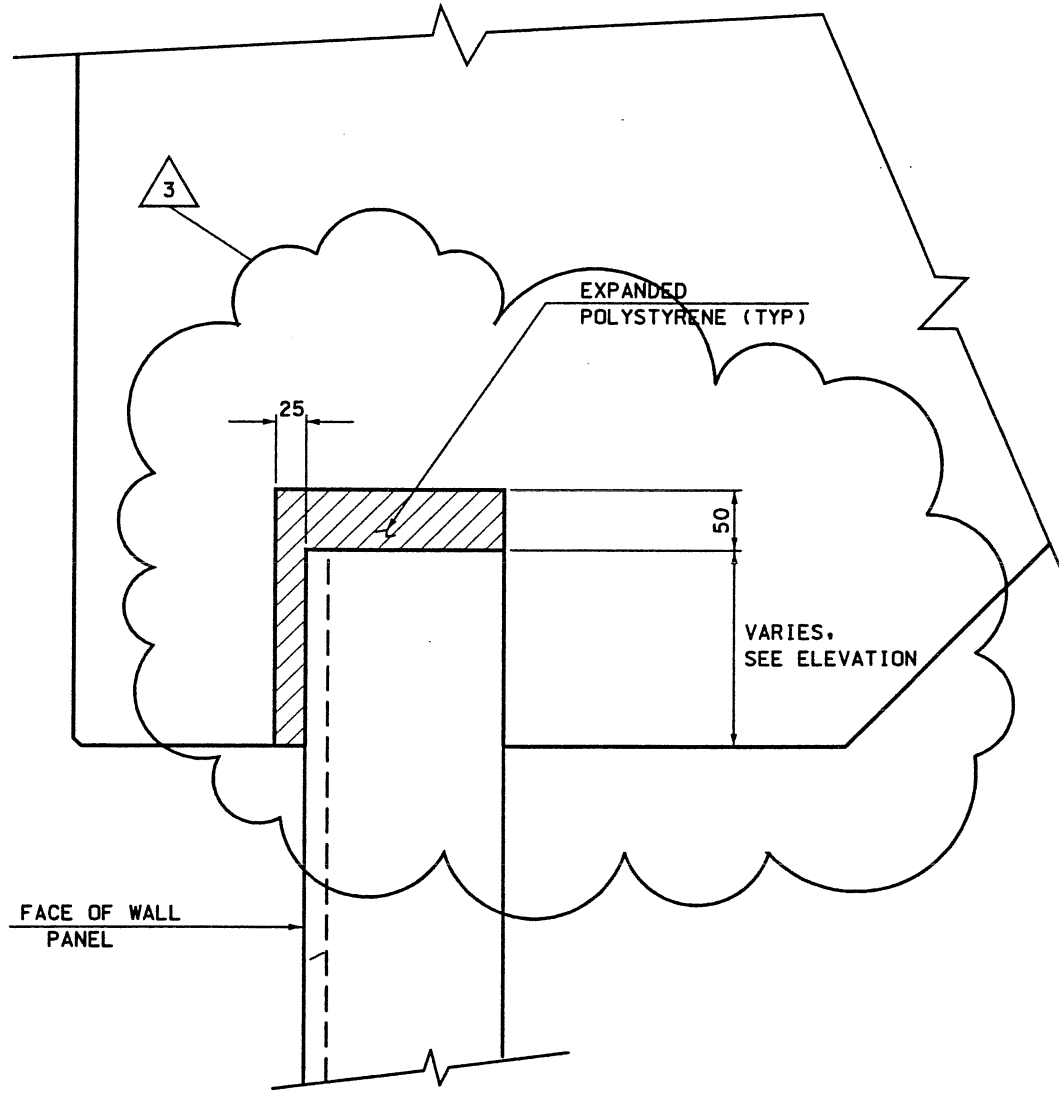
TYPICAL GRADE BEAM STEP
DETAIL 1
NTS

- NOTES:
1. SHIM BOTTOM OF WALL PANELS AS REQUIRED TO ALIGN VERTICAL WALL JOINTS.
 2. ALL DIMENSION ARE IN MM UNLESS OTHERWISE NOTED.

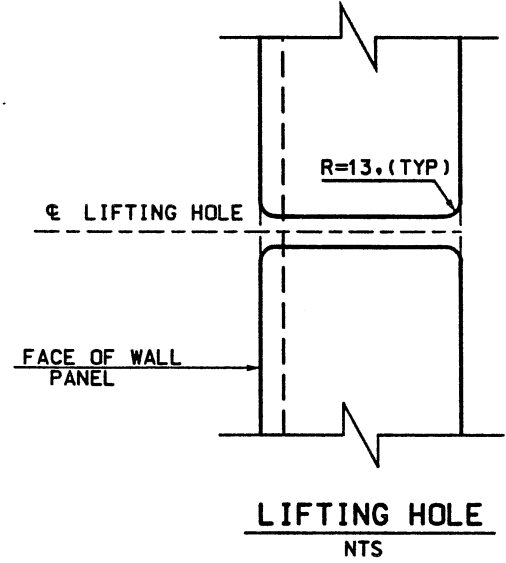


WASATCH CONSTRUCTORS
APR - 3 1998
RELEASED FOR CONSTRUCTION

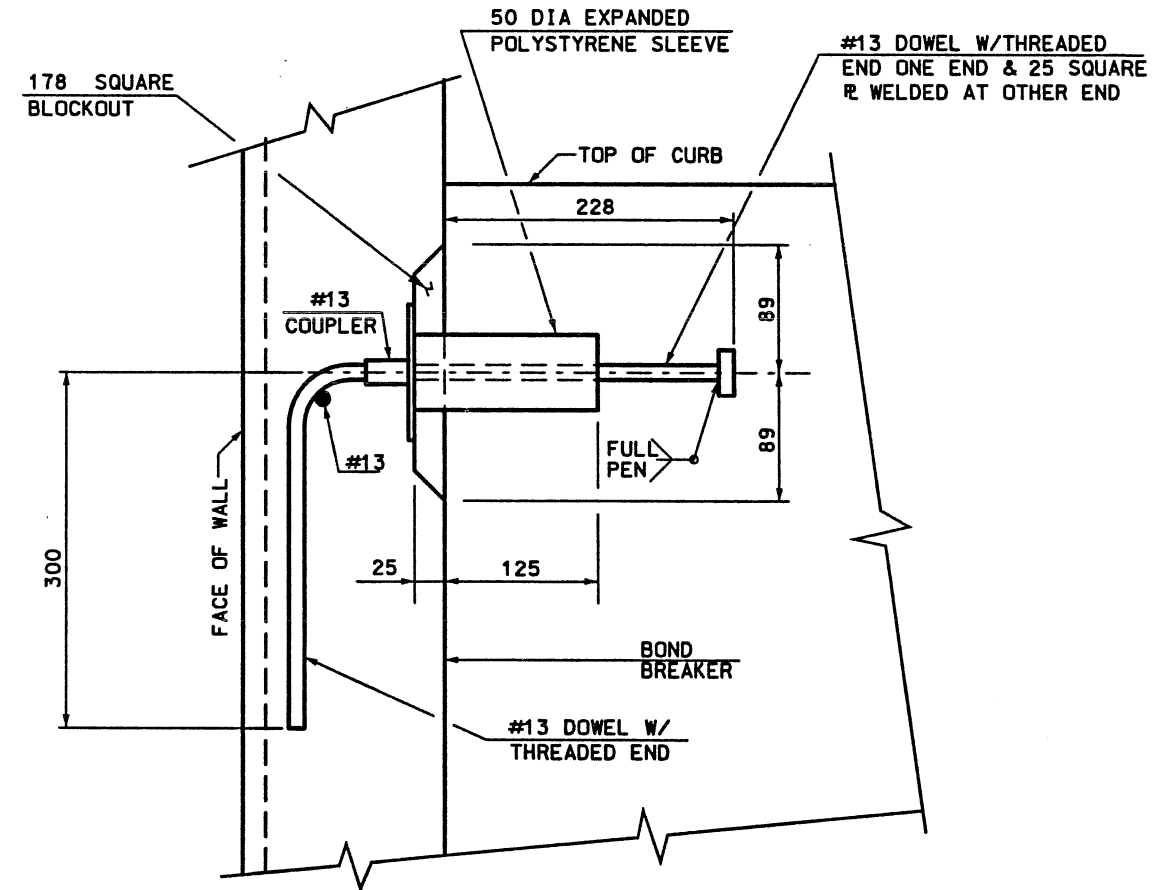
APPROVED FOR CONSTRUCTION		DESCRIPTION	
NO.	DATE	RELEASE FOR GEOFOAM WALL ONLY.	
1	11/11/97	APPROVED FOR CONSTRUCTION AT BRIDGES	
2	2/29/98	NOTE REVISION	
3	4/07/98		
UTAH DEPARTMENT OF TRANSPORTATION			
SVERDRUP/DE LEUW			
DESIGN	CHECK	DATE	QUANT.
JOHN WILSON	JOHN WILSON	11/97	
PROJECT DESIGN ENGINEER	PROJECT DESIGN ENGINEER	11/97	
JOHN TERRY	JOHN TERRY	11/97	
SECTION MANAGER	SECTION MANAGER	11/97	
I-15 CORRIDOR RECONSTRUCTION			
GEOFOAM WALL GRADE BEAM DETAILS			
CORRIDOR STANDARD PLANS			
PROJECT NUMBER #SP-15-7(135)296			
SALT LAKE COUNTY			
DWG. NO. CS-46			
SHT. OF			



EXTERNAL KEY
DETAIL 2
 NTS



LIFTING HOLE
 NTS



WALL TO LDS CONNECTION
DETAIL 3
 NTS

NOTE:
 1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE NOTED.



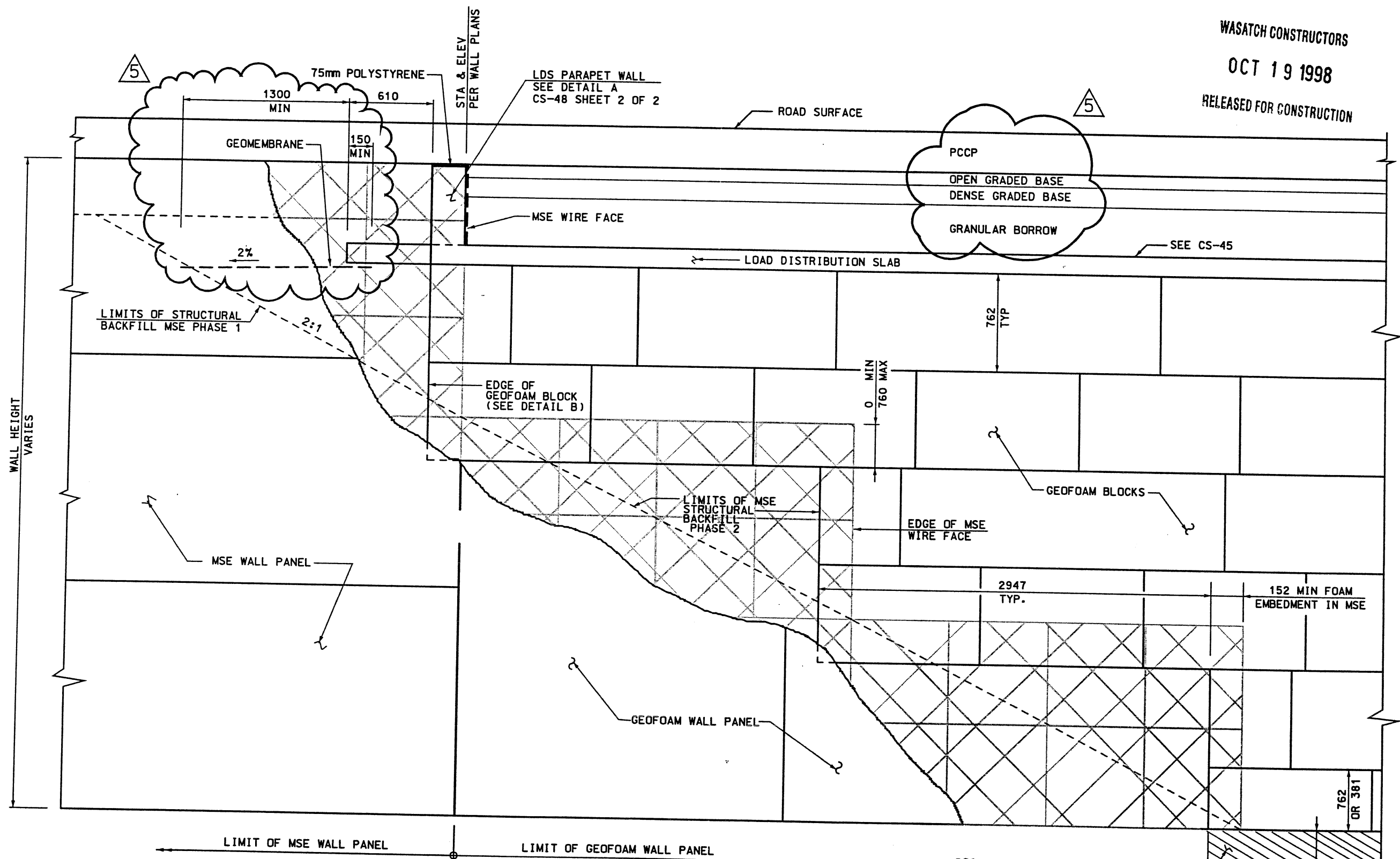
WASATCH CONSTRUCTORS
 JUL 31 1998
 RELEASED FOR CONSTRUCTION

APPROVED FOR CONSTRUCTION		DESCRIPTION	
NO.	DATE		
1	11/11/97	RELEASE FOR GEOFOAM WALL ONLY	
2	02/29/98	APPROVED FOR CONSTRUCTION AT BRIDGES	
3	07/28/98	REVISED EPS DETAILS	
UTAH DEPARTMENT OF TRANSPORTATION			
SYVERDRUP/DE LEUW			
DESIGN	JOHN WILSON	CHECK	JOY
DATE	11/11/97	CHECK	11/97
PROJECT	PROJECT DESIGN ENGINEER	CHECK	JMS
DATE	11/11/97	CHECK	11/97
APPROVED	JOHN TERRY	CHECK	11/97
DATE	11/11/97	CHECK	11/97
SECTION MANAGER			
I-15 CORRIDOR RECONSTRUCTION			
GEOFOAM WALL CONNECTION DETAILS			
CORRIDOR STANDARD PLANS			
PROJECT NUMBER #SP-15-7(135)296			
SALT LAKE COUNTY			
DWG. NO. CS-47			
SHT. OF			

Date: 16-OCT-1998 Time: 13:43 User: ramesh@rabeck

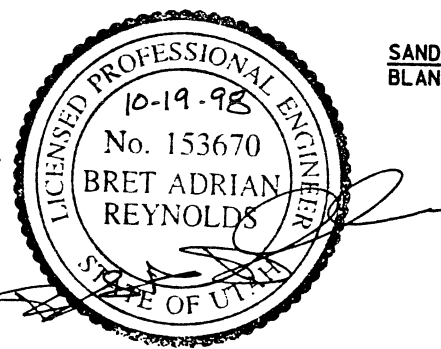
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WASATCH CONSTRUCTORS
OCT 19 1998
RELEASED FOR CONSTRUCTION



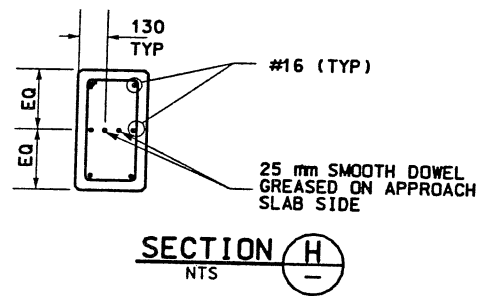
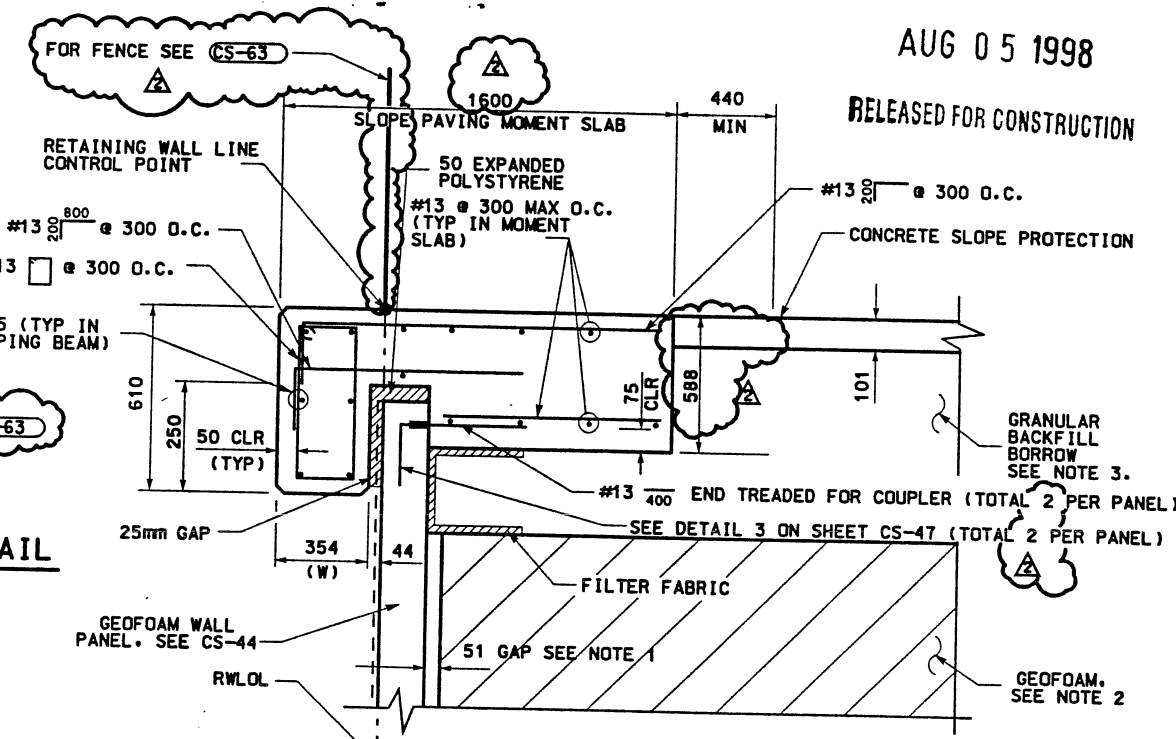
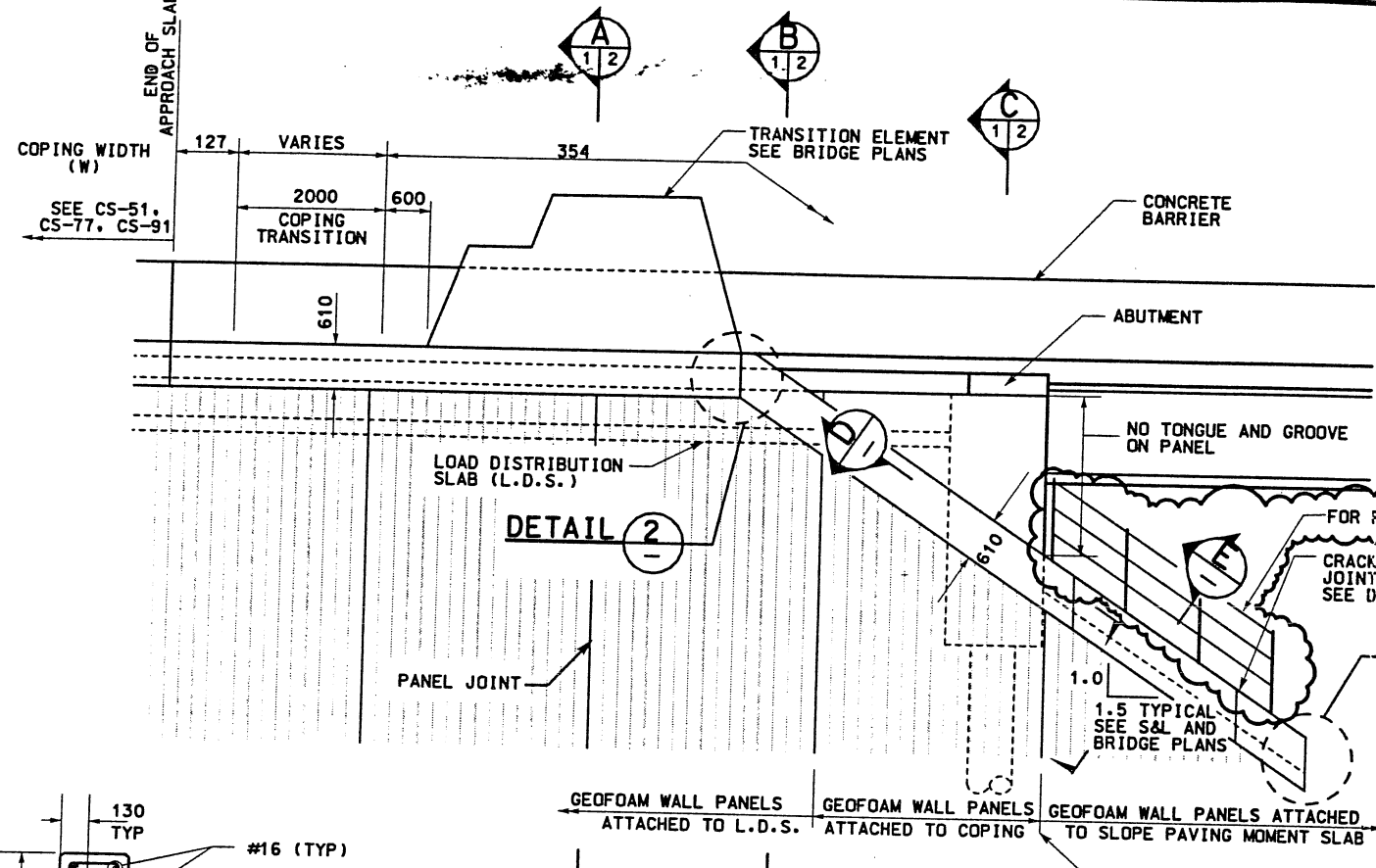
- NOTES:**
1. PHASE 1 STRUCTURE BACKFILL PLACED DURING CONSTRUCTION OF MSE
 2. PHASE 2 STRUCTURE BACKFILL PLACED DURING CONSTRUCTION OF GEOFOAM LIGHT WEIGHT FILL
 3. FACE OF GEOFOAM BLOCKS EVEN WITH FACE OF MSE WIRE FACE
 4. BLOCK HEIGHT 762 UNLESS OTHERWISE NOTED
 5. BLOCKS TO BE STEPPED AT 1 OR 2 LAYERS OF FOAM TO FOLLOW THE 2:1 SLOPE.
 6. FOR EXISTING LOAD DISTRIBUTION SLABS, ATTACH GEOMEMBRANE TO THE TOP OF THE LOAD DISTRIBUTION SLAB WITH CIM1000.

TYPICAL MSE/GEOFOAM CONFORM DETAIL
NTS



APPROVED FOR CONSTRUCTION		DESCRIPTION	
NO.	DATE	NO.	DATE
1	1/26/98	1	1/26/98
2	2/13/98	2	2/13/98
3	4/03/98	3	4/03/98
4	10/16/98	4	10/16/98
ADD PARAPET AND REMOVE GEOMEMBRANE		REVISED NOTE	
REVISED NOTE		REVISED NOTE	
REVISED PAYMENT ADDED GEOMEMBRANE		REVISED NOTE	
UTAH DEPARTMENT OF TRANSPORTATION			
SVERDRUP/DE LEUW			
DESIGN	JJ	12/97	CHECK JJ 12/97
DRAWN	VLR	12/97	CHECK LT 12/97
DATE	12/16/97	DATE	12/16/97
PROJECT	JOHN TERRY	SECTION	MANAGER
PROJECT NUMBER	#SP-15-7(135)296	QUANT.	CHECK
I-15 CORRIDOR RECONSTRUCTION			
MSE GEOFOAM CONFORM DETAIL			
CORRIDOR STANDARDS			
SALT LAKE COUNTY			
DWG. NO. CS-48-1			
SHT. OF			

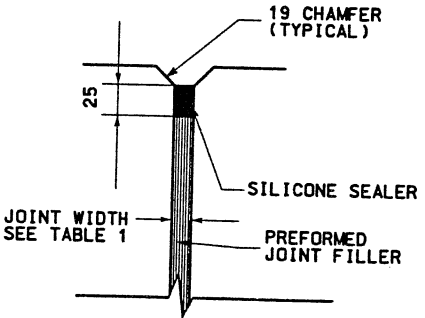
WASATCH CONSTRUCTORS
 AUG 05 1998
 RELEASED FOR CONSTRUCTION



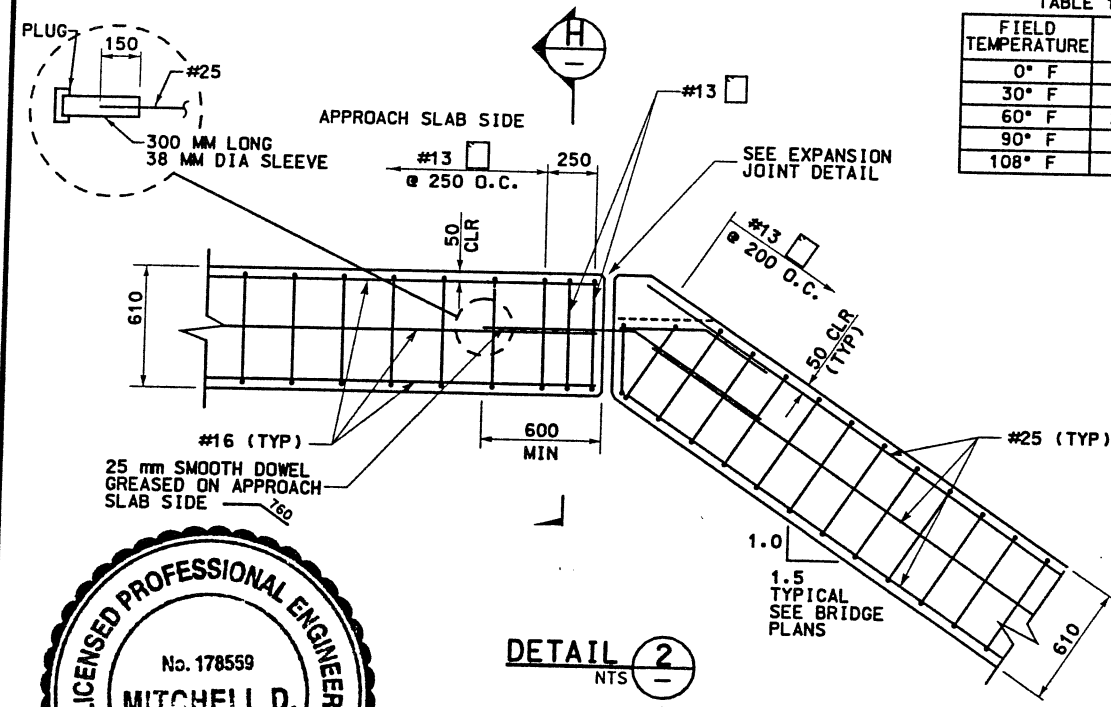
GEOFOAM WALL PANEL DETAIL AT BRIDGE ABUTMENT
 NTS

TABLE 1

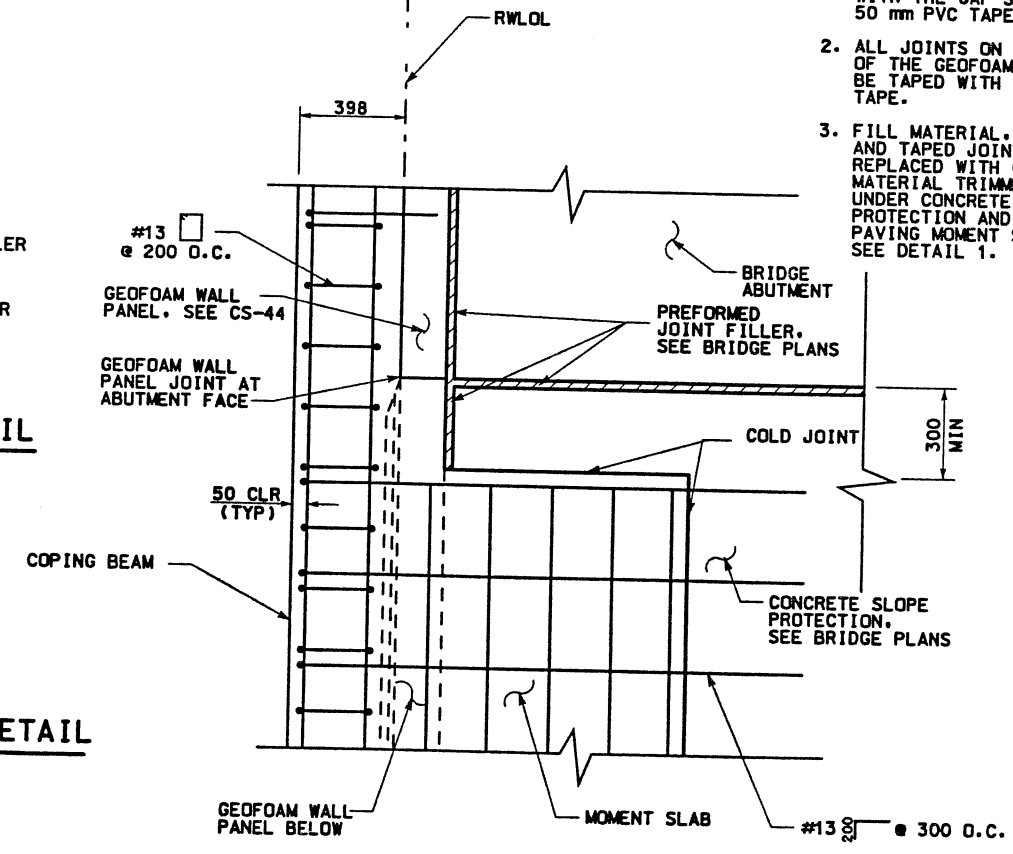
FIELD TEMPERATURE	JOINT WIDTH
0° F	50 mm
30° F	37 mm
60° F	25 mm
90° F	13 mm
108° F	5 mm



EXPANSION JOINT DETAIL
 NTS

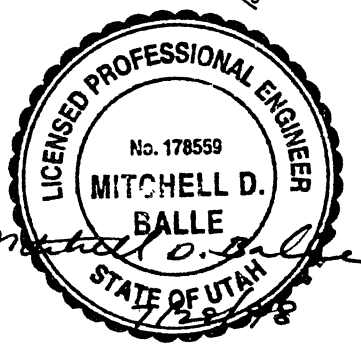


DETAIL 2
 NTS



SECTION D
 NTS

- NOTE:
- AS AN OPTION TO THE FILTER FABRIC, TOP BLOCK LAYER MAY BE TRIMMED AND/OR PLACED TO ABUT THE PANEL (WITHIN 15 mm) WITH THE GAP SEALED WITH 50 mm PVC TAPE.
 - ALL JOINTS ON THE TOP SURFACE OF THE GEOFOAM BLOCKS SHALL BE TAPED WITH 50 mm WIDE PVC TAPE.
 - FILL MATERIAL, FILTER FABRIC AND TAPED JOINTS MAY BE REPLACED WITH GEOFOAM MATERIAL TRIMMED TO FIT UNDER CONCRETE SLOPE PROTECTION AND SLOPE PAVING MOMENT SLAB. SEE DETAIL 1.



UTAH DEPARTMENT OF TRANSPORTATION

APPROVED FOR CONSTRUCTION

NO. DATE

3/12/98 ORIGINAL ISSUE

7/21/98 SLOPE PAVING MOMENT SLAB THICKENED

DESIGNER: STAN POLASKI

PROJECT DESIGN ENGINEER: STAN POLASKI

DATE: 03/05/98

CHECK: []

DRAWN: MYM

DATE: 02/10/98

CHECK: []

QUANT.: []

SECTOR MANAGER: JIM KLEWZ

DATE: []

CHECK: []

DESIGNER/DE LEUW: SVDRUP/DE LEUW

1-15 CORRIDOR RECONSTRUCTION

GEOFOAM COPING AT BRIDGES

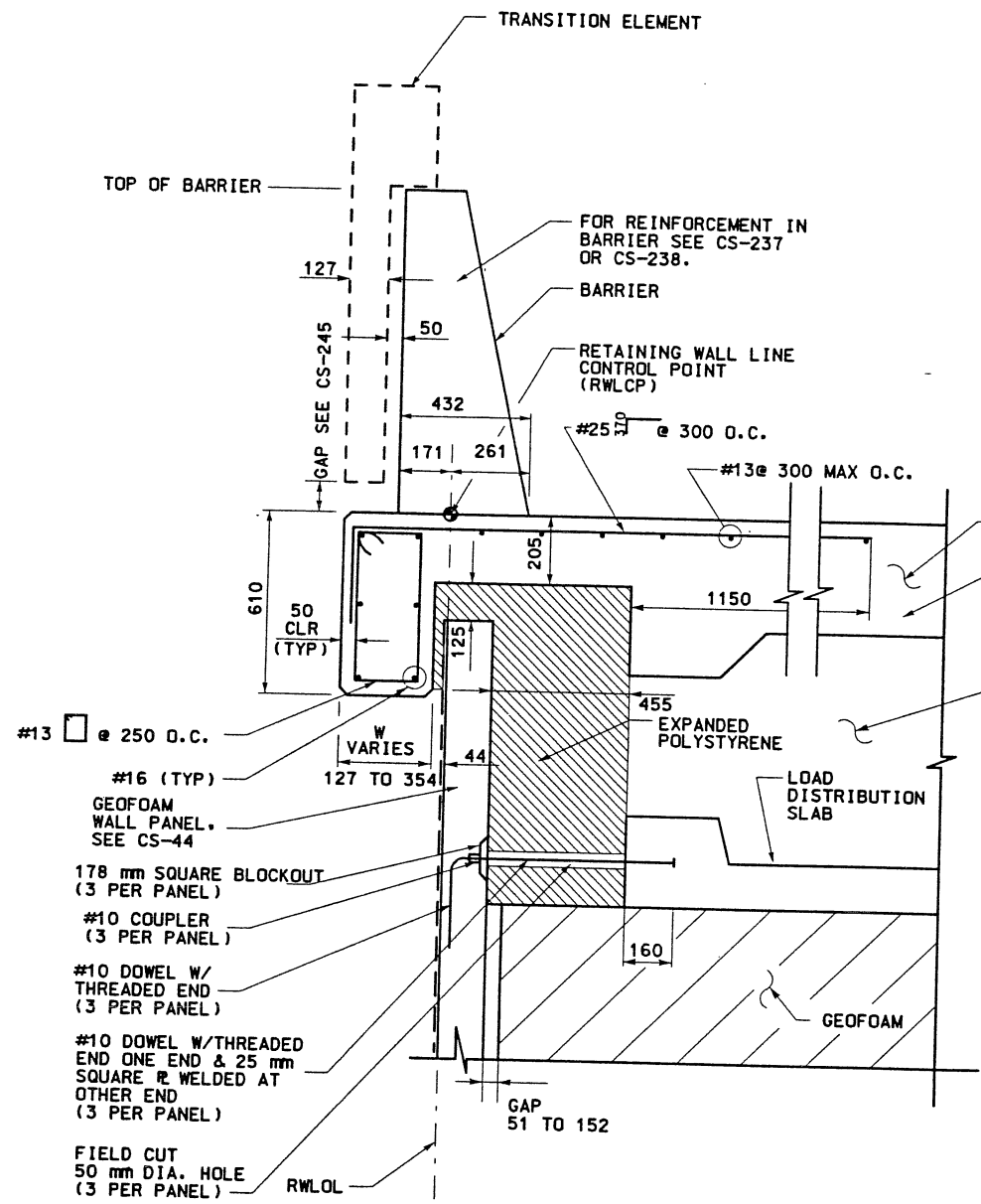
CORRIDOR STANDARD PLAN

PROJECT NUMBER: #SP-15-(135)296

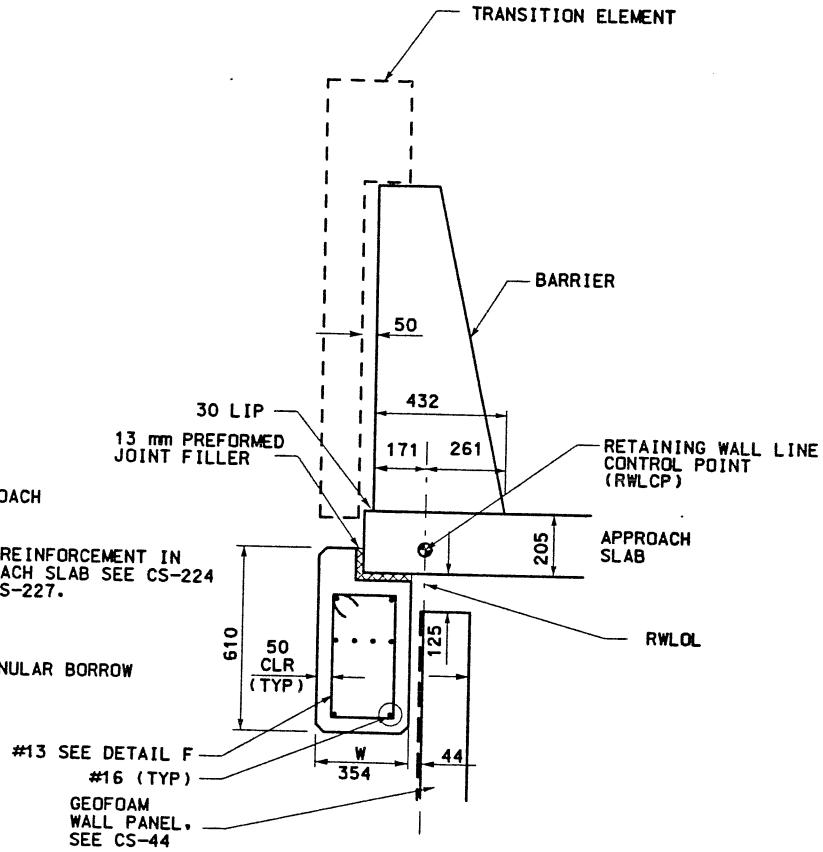
SALT LAKE COUNTY

DWG. NO. CS-49-1

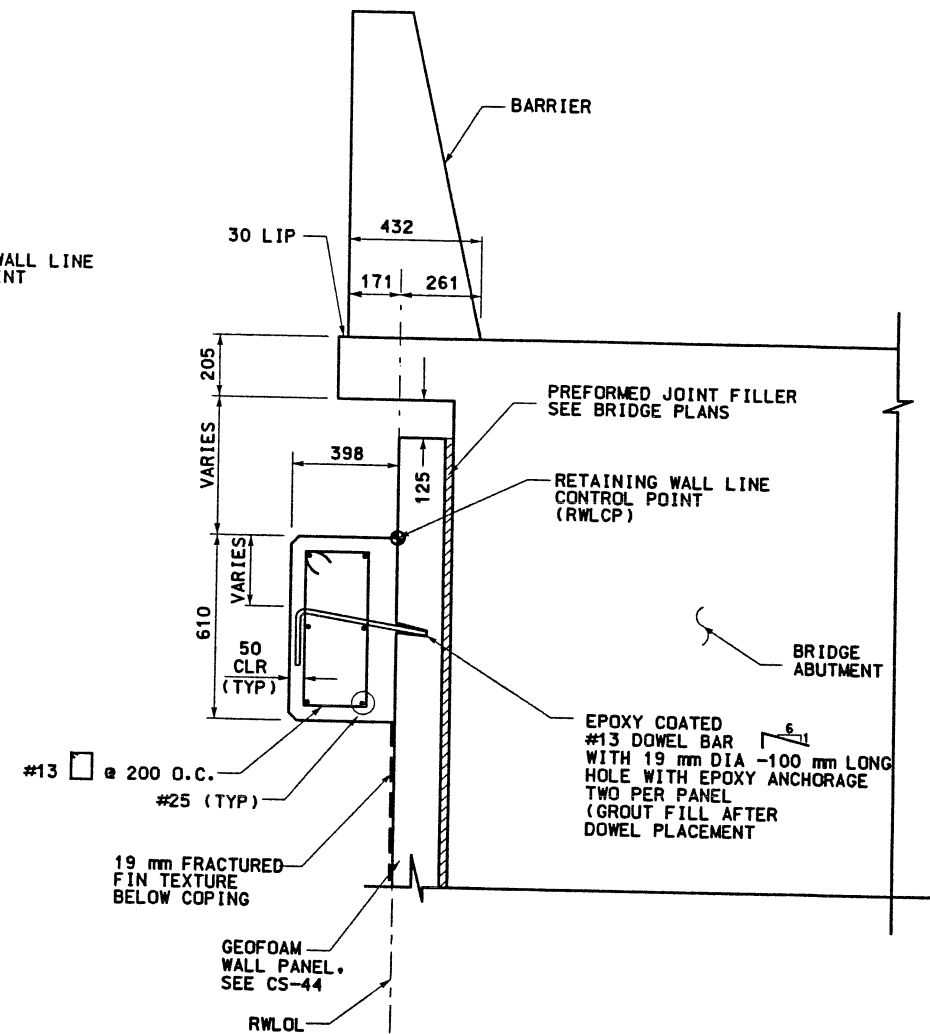
SHT. OF



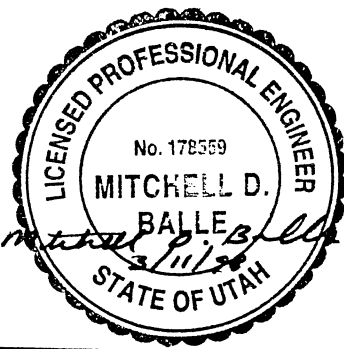
SECTION A
1 | 2



SECTION B
1 | 2

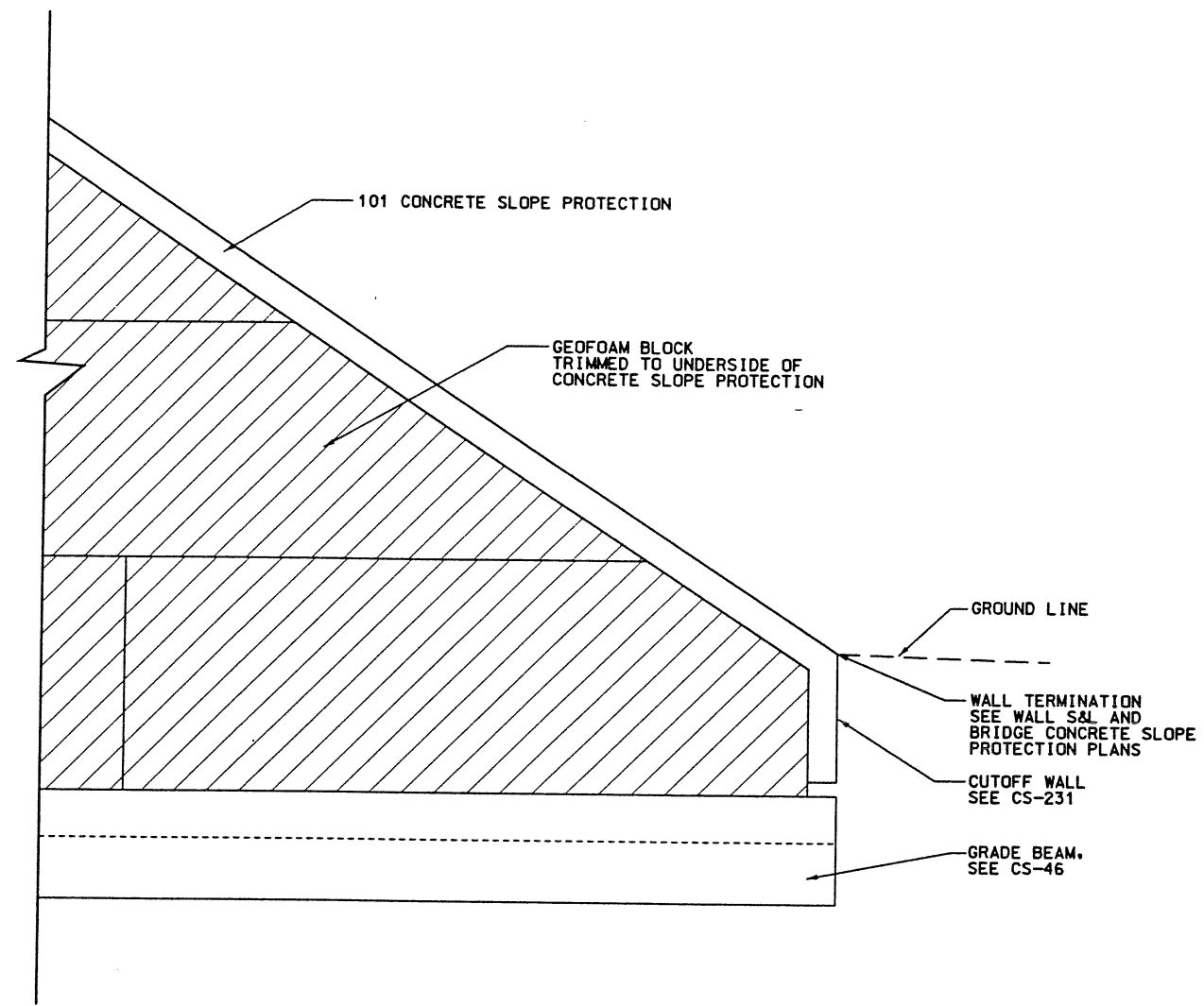


SECTION C
1 | 2



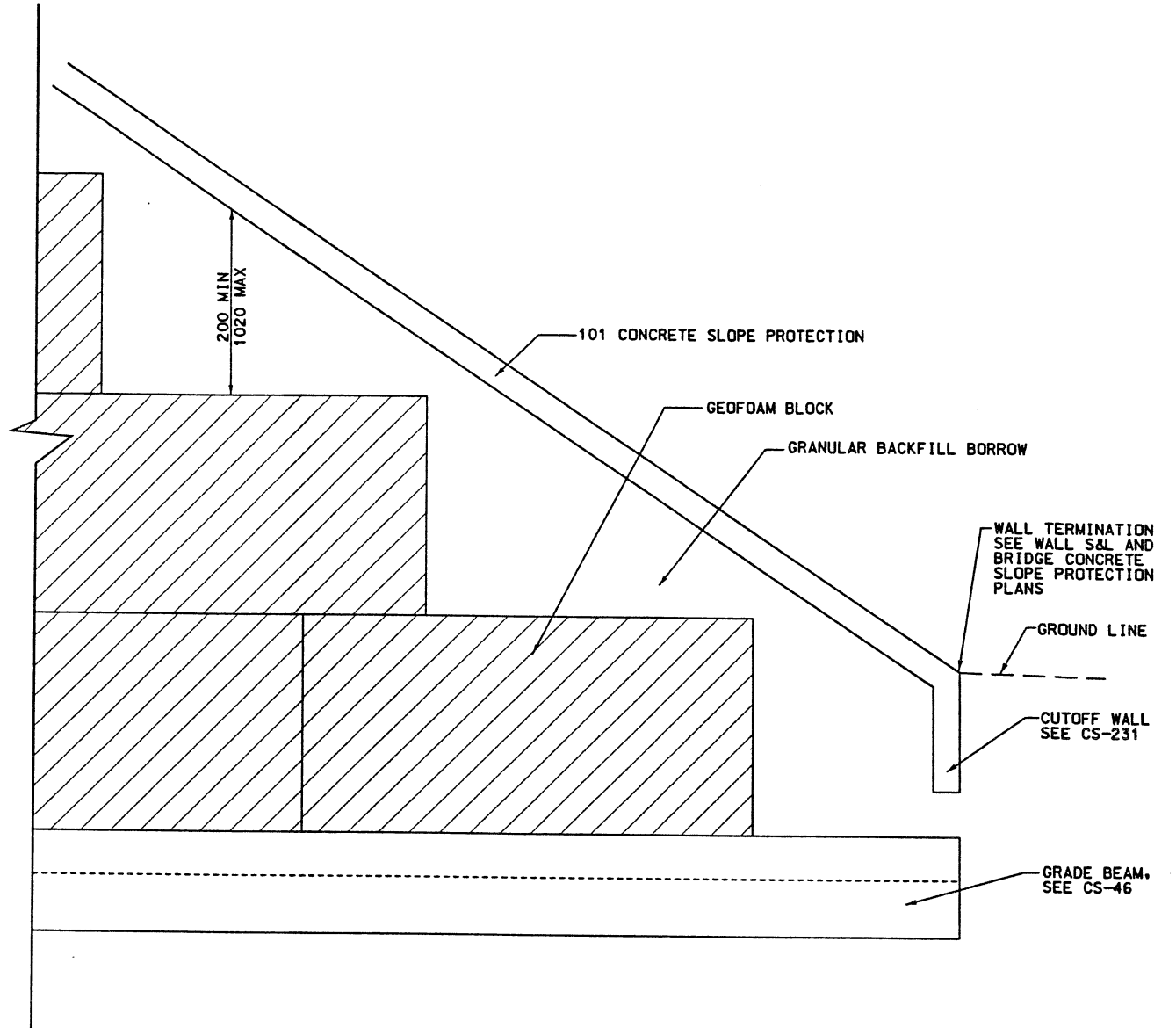
WASATCH CONSTRUCTORS
MAR 17 1998
RELEASED FOR CONSTRUCTION

APPROVED FOR CONSTRUCTION		DESCRIPTION	
NO.	DATE	NO.	DATE
Δ	3/12/98		
UTAH DEPARTMENT OF TRANSPORTATION		SVERDRUP/DE LEUW	
APPROVAL RECORD:	STAN POLASIK PROJECT DESIGN ENGINEER	DESIGN SDP 03/03/98	CHECK
APPROVED	JIM KLEMZ SECTION MANAGER	DRAWN MVM 03/05/98	CHECK
I-15 CORRIDOR RECONSTRUCTION		CORRIDOR STANDARD PLAN	
GEOFOAM COPING AT BRIDGES		PROJECT NUMBER #SP-15-7(135)296	
SALT LAKE COUNTY		DWG. NO. CS-49-2	
SHT. _____ OF _____			



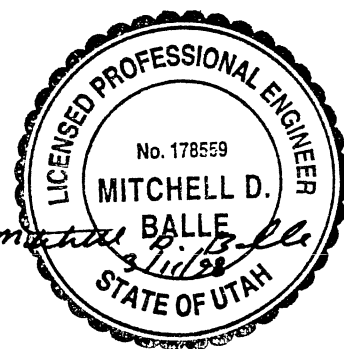
DETAIL G - TRIMMED GEOFOAM OPTION

DETAIL 1
NOT TO SCALE 1/3



DETAIL G - BACKFILL OPTION

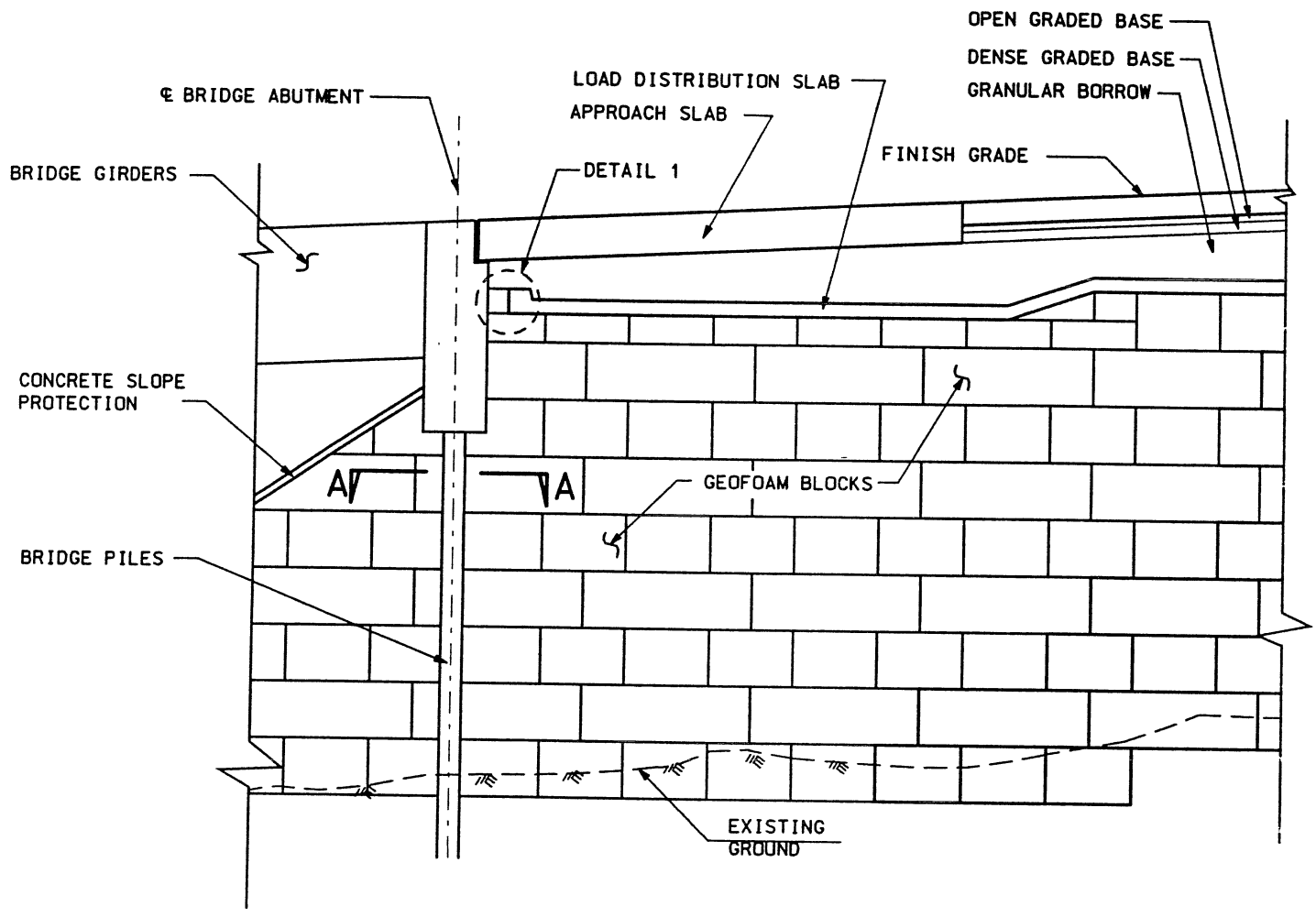
DETAIL 1
NOT TO SCALE 1/3



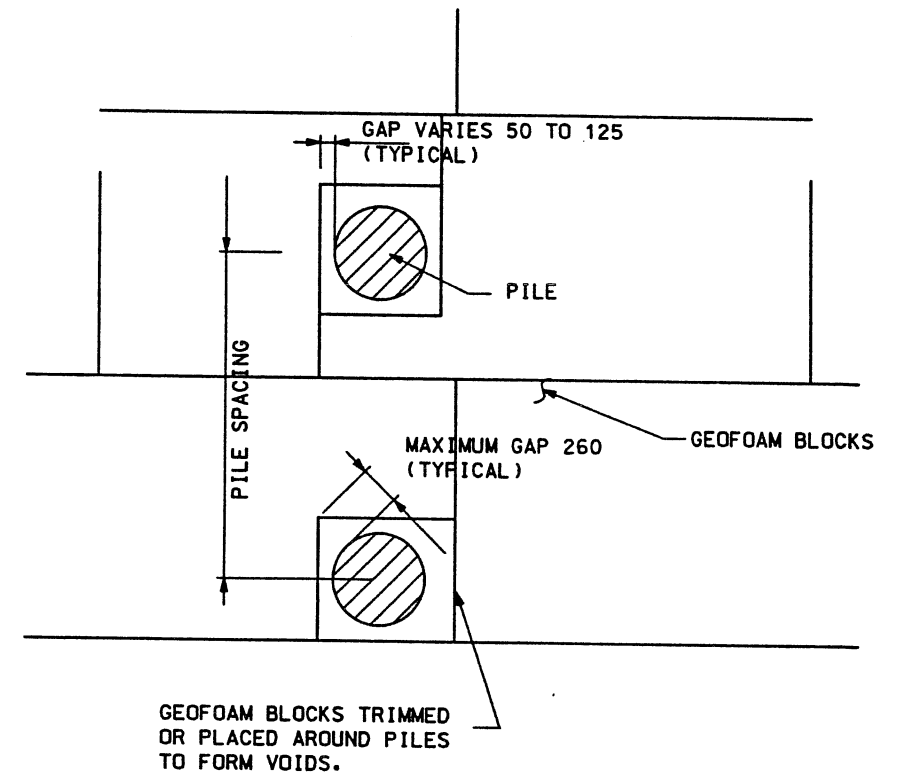
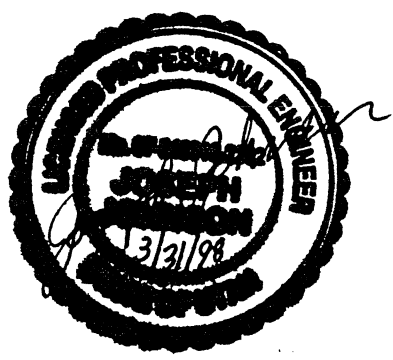
WASATCH CONSTRUCTORS
MAR 17 1998
RELEASED FOR CONSTRUCTION

APPROVED FOR CONSTRUCTION		DESCRIPTION	
NO.	DATE	NO.	DATE
A	3/12/98		
ORIGINAL ISSUE			
UTAH DEPARTMENT OF TRANSPORTATION			
SVERDRUP/DE LEUW			
DESIGN	SDP	03/03/98	CHECK
DRAWN	JM	02/10/98	CHECK
QUANT.			CHECK
PROJECT DESIGN ENGINEER	STAN POLASIK		
SECTION MANAGER	JIM KLEMZ		
DATE	DATE	DATE	DATE
I-15 CORRIDOR RECONSTRUCTION	GEOFOAM COPING AT BRIDGES		
CORRIDOR STANDARD PLAN	PROJECT NUMBER #SP-15-7(135)296		
SALT LAKE COUNTY	DWG. NO. CS-49-3		
SHT. _____	OF _____		

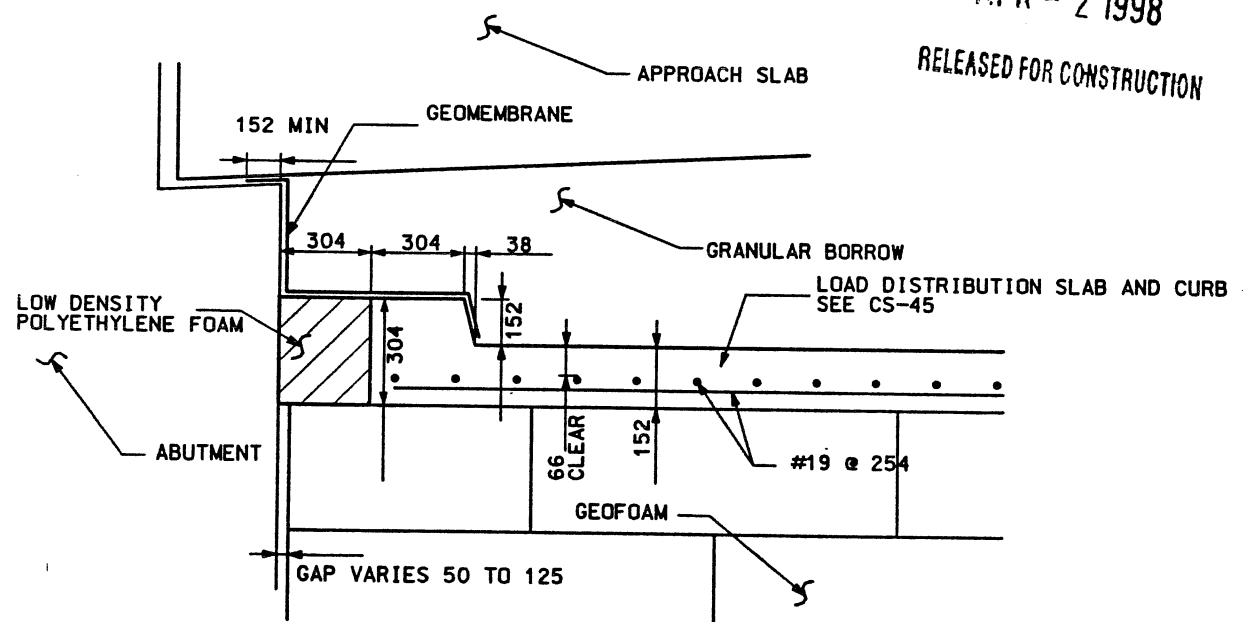
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TYPICAL GEOFOAM SECTION AT BRIDGE ABUTMENTS
NOT TO SCALE



SECTION A-A
NOT TO SCALE



DETAIL 1
NOT TO SCALE

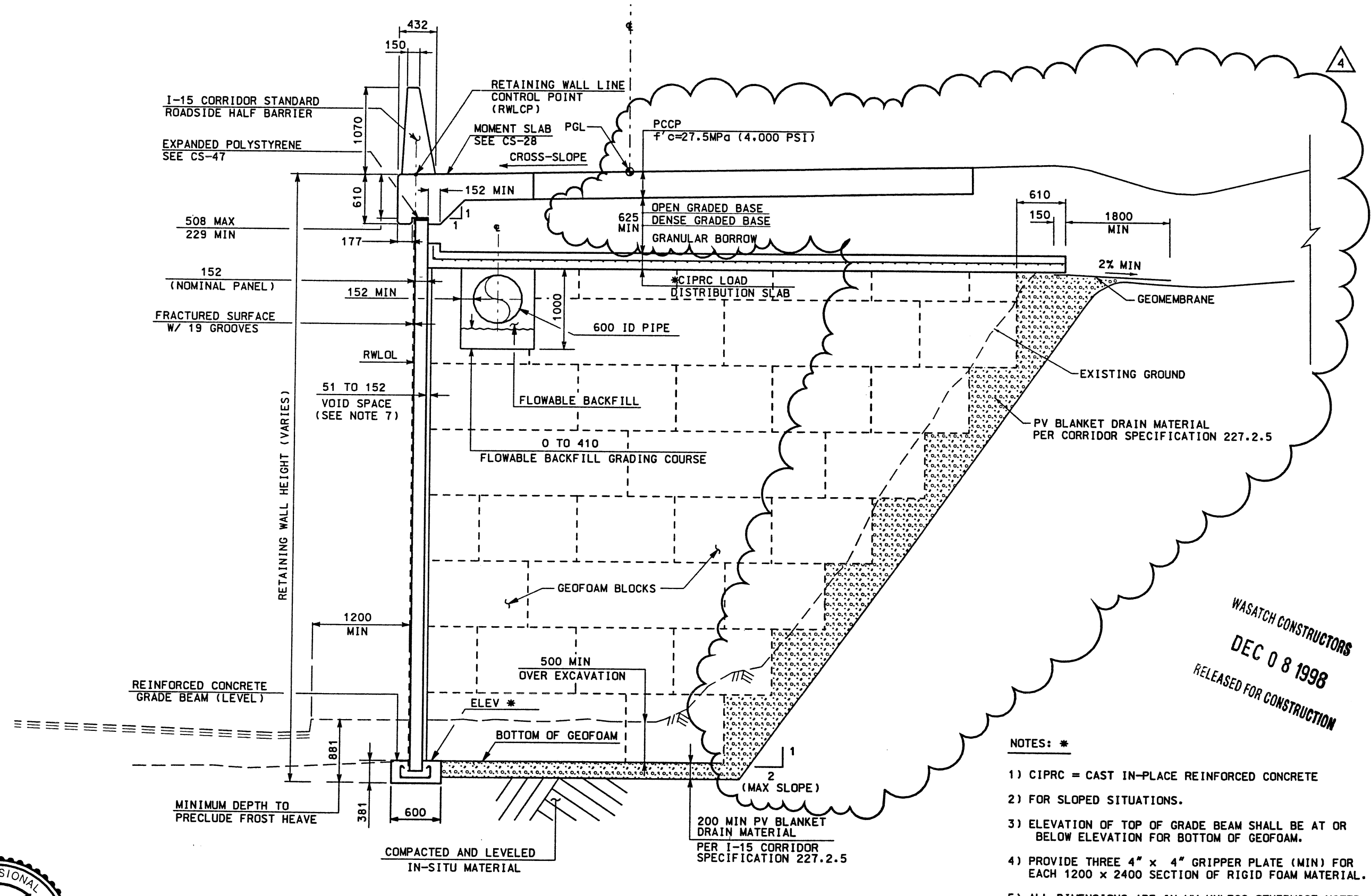
- NOTES:**
- 1) ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE INDICATED.
 - 2) FOR LOAD DISTRIBUTION SLAB DRAINAGE, SEE PLANS AND CS-53.

WASATCH CONSTRUCTORS
 APR - 2 1998
 RELEASED FOR CONSTRUCTION

APPROVED FOR CONSTRUCTION		DESCRIPTION	
NO.	DATE	NO.	DATE
Δ	3/27/98		ORIGINAL ISSUE
UTAH DEPARTMENT OF TRANSPORTATION			
SVERDRUP/DE LEUW		DESIGN SDP	CHECK
STAN POLASIK		DRAWN SDP	CHECK
PROJECT DESIGN ENGINEER		JOSEPH JOHNSON	SECTION MANAGER
APPROVED 03/28/98		DATE	DATE
APPROVED 03/28/98		DATE	DATE
I-15 CORRIDOR RECONSTRUCTION		CORRIDOR STANDARD PLAN	
GEOFOAM INSTALLATION AT ABUTMENTS		#SP-15-7(135)296	
SALT LAKE COUNTY		DWC. NO. CS-50	
SHT. _____		OF _____	

Date: 24-NOV-1998 Time: 11:55 User name: polarsal

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TYPICAL SECTION GEOFOAM (EPS) WALL

NTS

NOTES: *

- 1) CIPRC = CAST IN-PLACE REINFORCED CONCRETE
- 2) FOR SLOPED SITUATIONS.
- 3) ELEVATION OF TOP OF GRADE BEAM SHALL BE AT OR BELOW ELEVATION FOR BOTTOM OF GEOFOAM.
- 4) PROVIDE THREE 4" x 4" GRIPPER PLATE (MIN) FOR EACH 1200 x 2400 SECTION OF RIGID FOAM MATERIAL.
- 5) ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE NOTED.
- 6) FOR DETAILS UNDER APPROACH AND BRIDGES SEE CS-49.
- 7) FOR TOP BLOCK OF GEOFOAM BELOW LOAD DISTRIBUTION SLAB 0 TO 152 VOID SPACE.
- 8) FOR EXISTING LOAD DISTRIBUTION SLABS, ATTACH GEOMEMBRANE TO THE TOP OF THE LOAD DISTRIBUTION SLAB WITH CIM1000.



WASATCH CONSTRUCTORS
 DEC 0 8 1998
 RELEASED FOR CONSTRUCTION

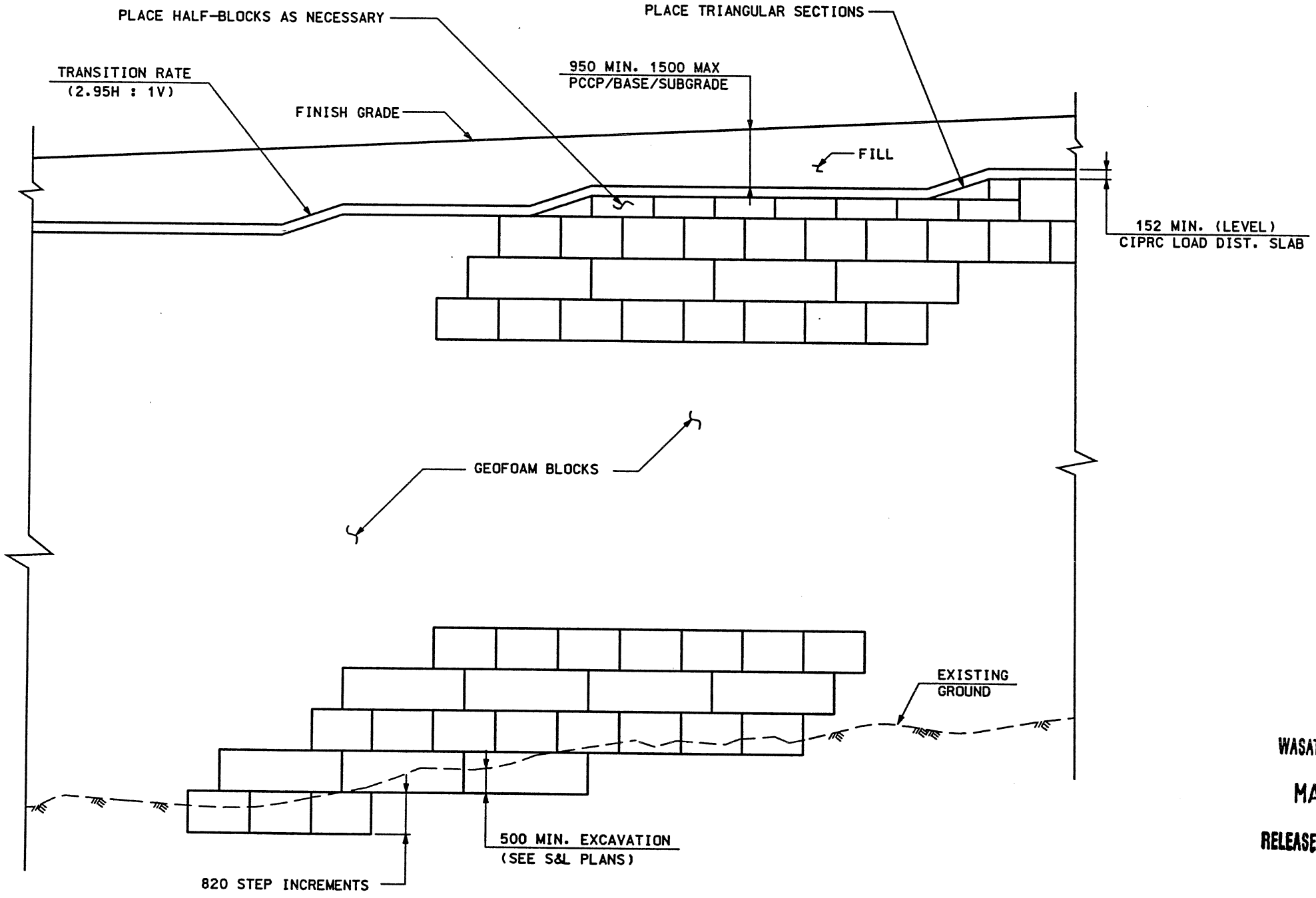
APPROVED FOR CONSTRUCTION		DESCRIPTION	
NO.	DATE		
1	11/11/97	RELEASE FOR GEOFOAM WALL ONLY	
2	02/29/98	APPROVED CONSTRUCTION AT BRIDGES	
3	07/28/98	REVISED EPS DETAILS	
4	11/25/98	REVISED GEOFOAM/SLOPE	

UTAH DEPARTMENT OF TRANSPORTATION			
SVERDRUP/DE LEUW			
APPROVAL	DATE	DESIGN	CHECK
RECOMM.	11/11/97	NO.	11/97
PROJECT	DATE	DESIGN	CHECK
ENGINEER	11/11/97	NO.	11/97
SECTION	DATE	DESIGN	CHECK
MANAGER	11/11/97	NO.	11/97

I-15 CORRIDOR RECONSTRUCTION	
TYPICAL GEOFOAM SECTION	CORRIDOR STANDARD PLAN
PROJECT NUMBER #SP-15-7(135)296	
SALT LAKE COUNTY	
DWG. NO. CS-51	
SHT.	OF

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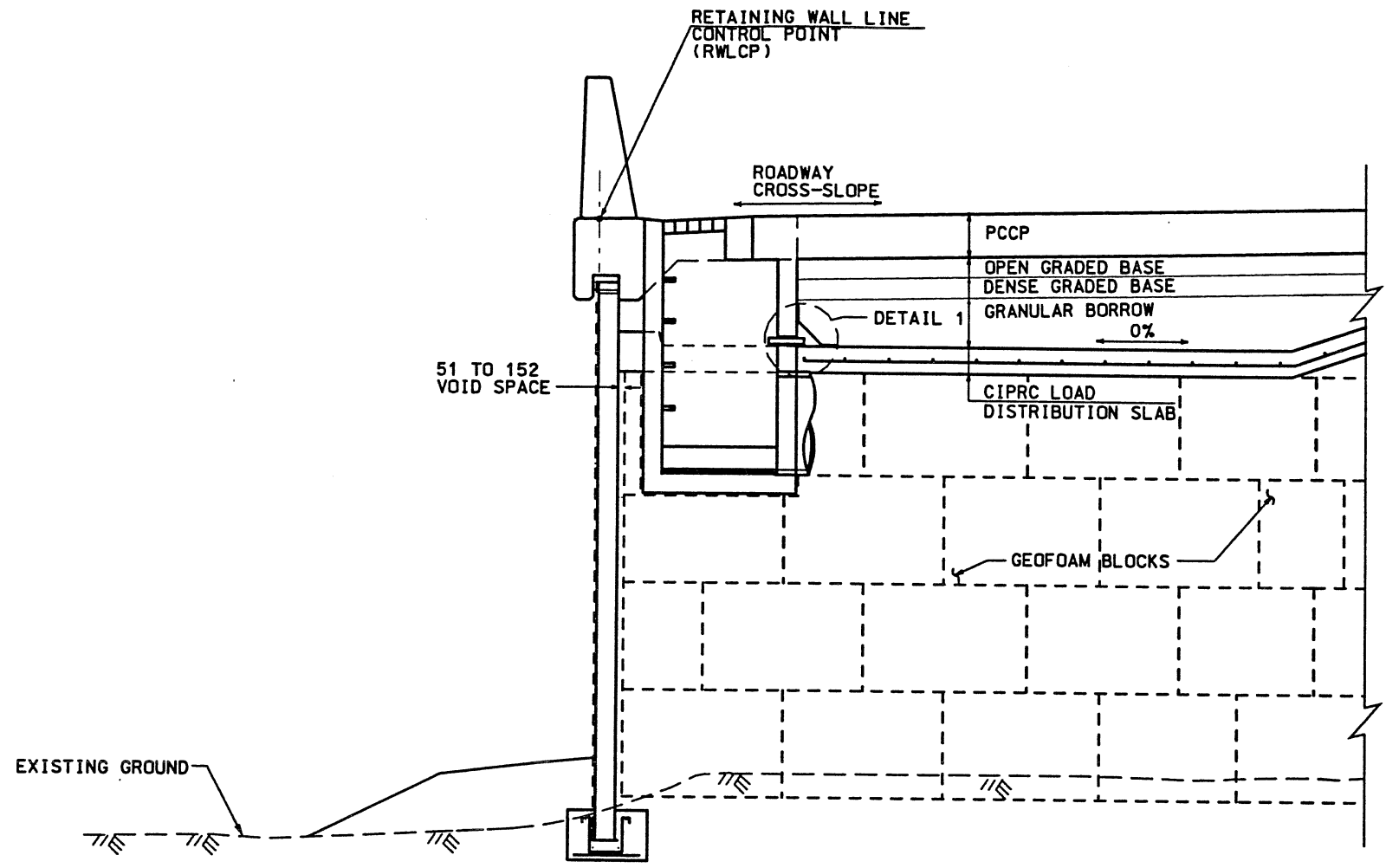


TYPICAL LONGITUDINAL GEOFOAM SECTION
NOT TO SCALE

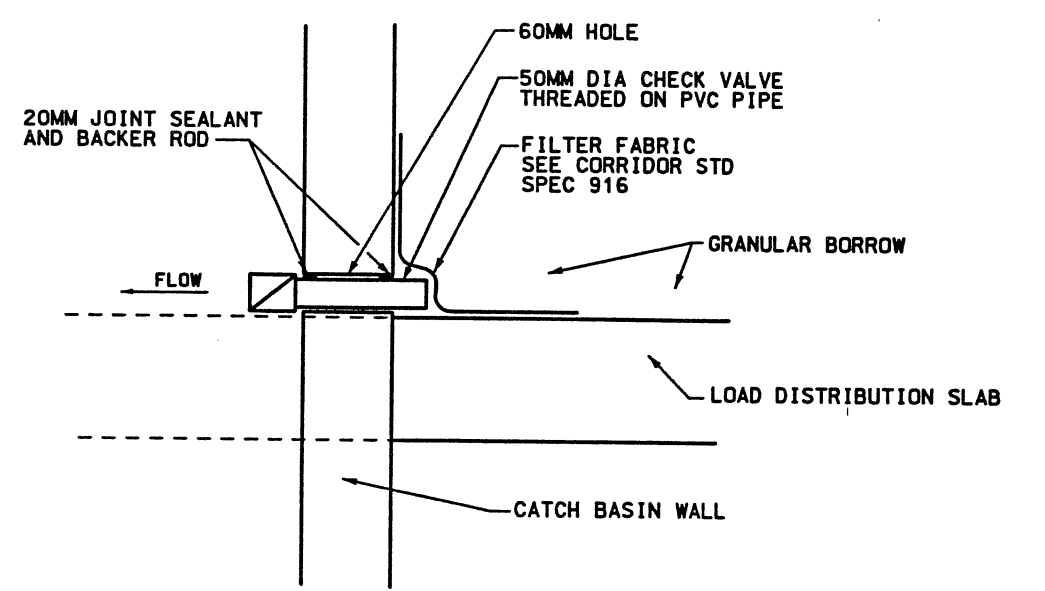
WASATCH CONSTRUCTORS
MAR 20 1998
RELEASED FOR CONSTRUCTION



APPROVED FOR CONSTRUCTION		DESCRIPTION	
NO.	DATE	NO.	DATE
1	3/12/98		
			ORIGINAL ISSUE
UTAH DEPARTMENT OF TRANSPORTATION			
SVERDRUP/DE LEUW			
DESIGN	CHK	DESIGN	CHK
JOHN TERRY	JMT	JOHN TERRY	JMT
PROJECT	DESIGN	PROJECT	DESIGN
JOHN TERRY	JMT	JOHN TERRY	JMT
DATE	SECTION	DATE	SECTION
	MANAGER		MANAGER
I-15 CORRIDOR RECONSTRUCTION		CORRIDOR STANDARD PLAN	
TYPICAL LONGITUDINAL GEOFOAM SECTION		PROJECT NUMBER #SP-15-7(135)296	
SALT LAKE COUNTY			
DWG. NO. CS-52			
SHT. _____ OF _____			



TYPICAL LOAD DISTRIBUTION SLAB DRAIN
NOT TO SCALE



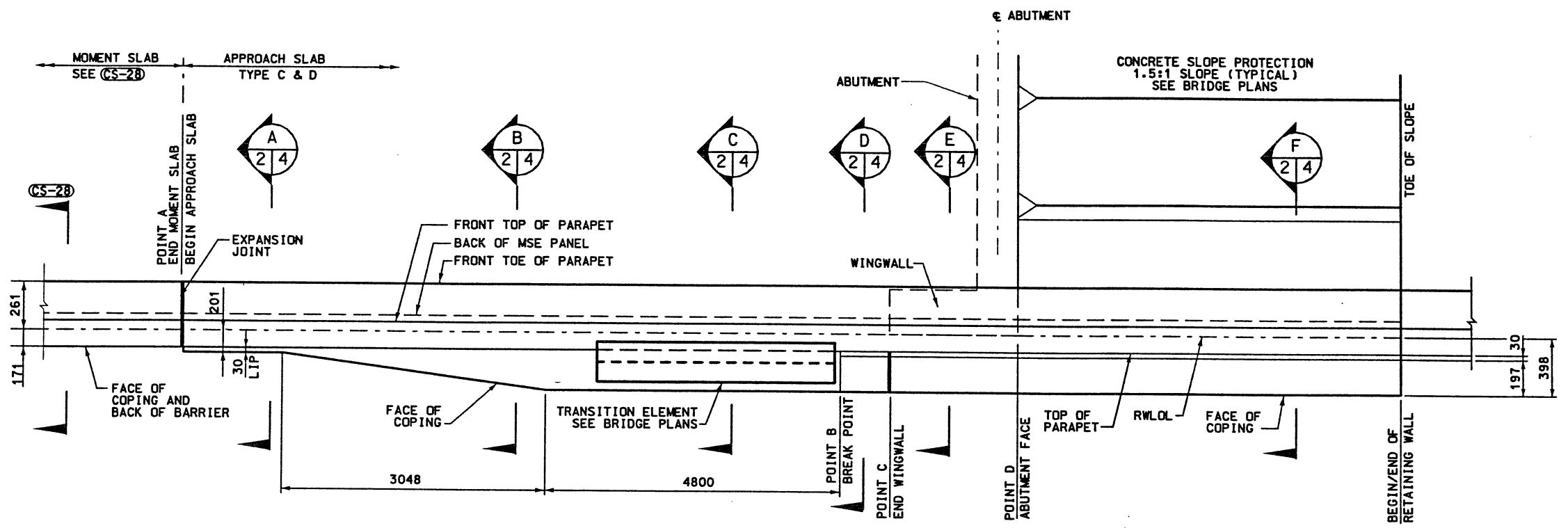
DETAIL 1
NOT TO SCALE

WASATCH CONSTRUCTORS
NOV 11 1998
RELEASED FOR CONSTRUCTION

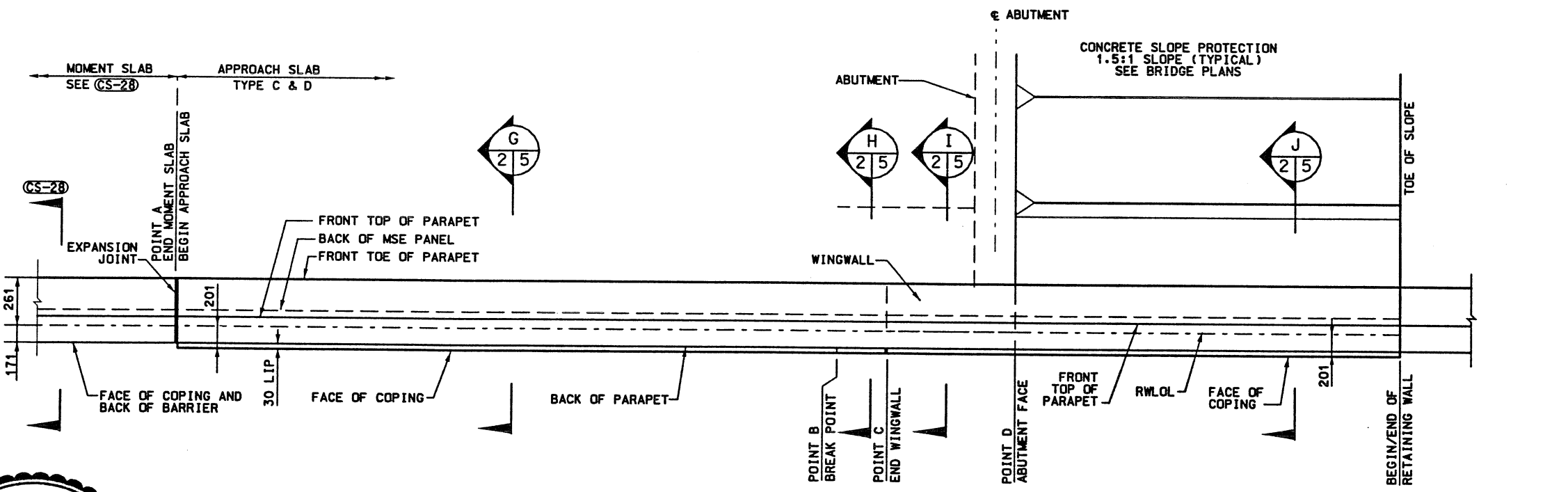


NOTES:
1) ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE INDICATED.

APPROVED FOR CONSTRUCTION		DESCRIPTION	
NO.	DATE	NO.	DATE
Δ	11/10/98		
			ORIGINAL ISSUE
UTAH DEPARTMENT OF TRANSPORTATION			
SVERDRUP/DE LEUW		DESIGN SDP	CHECK DMI
STAN POLASIK	DATE	DRAWN DKC	CHECK
PROJECT DESIGN ENGINEER	DATE	JIM KLENZ	CHECK
		SECTION MANAGER	
I-15 CORRIDOR RECONSTRUCTION		CORRIDOR STANDARD PLAN	
LOAD DISTRIBUTION SLAB DRAIN		PROJECT NUMBER #SP-15-7(135)296	
SALT LAKE COUNTY			
DWG. NO. CS-53			
SHT.	OF		



NON-SPUI OVERPASS WITH TRANSITION ELEMENT
 (NOTE: SHOWN FOR APPROACH SLAB TYPE C & D. TYPE A & B SIMILAR)

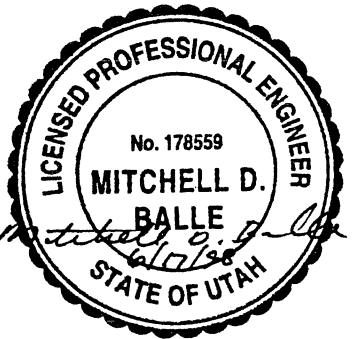


NON-SPUI OVERPASS WITHOUT TRANSITION ELEMENT
 (NOTE: SHOWN FOR APPROACH SLAB TYPE C & D. TYPE A & B SIMILAR)

SCHMATIC PLAN - SINGLE STAGE MSE WALL AT NON-SPUI OVERPASS

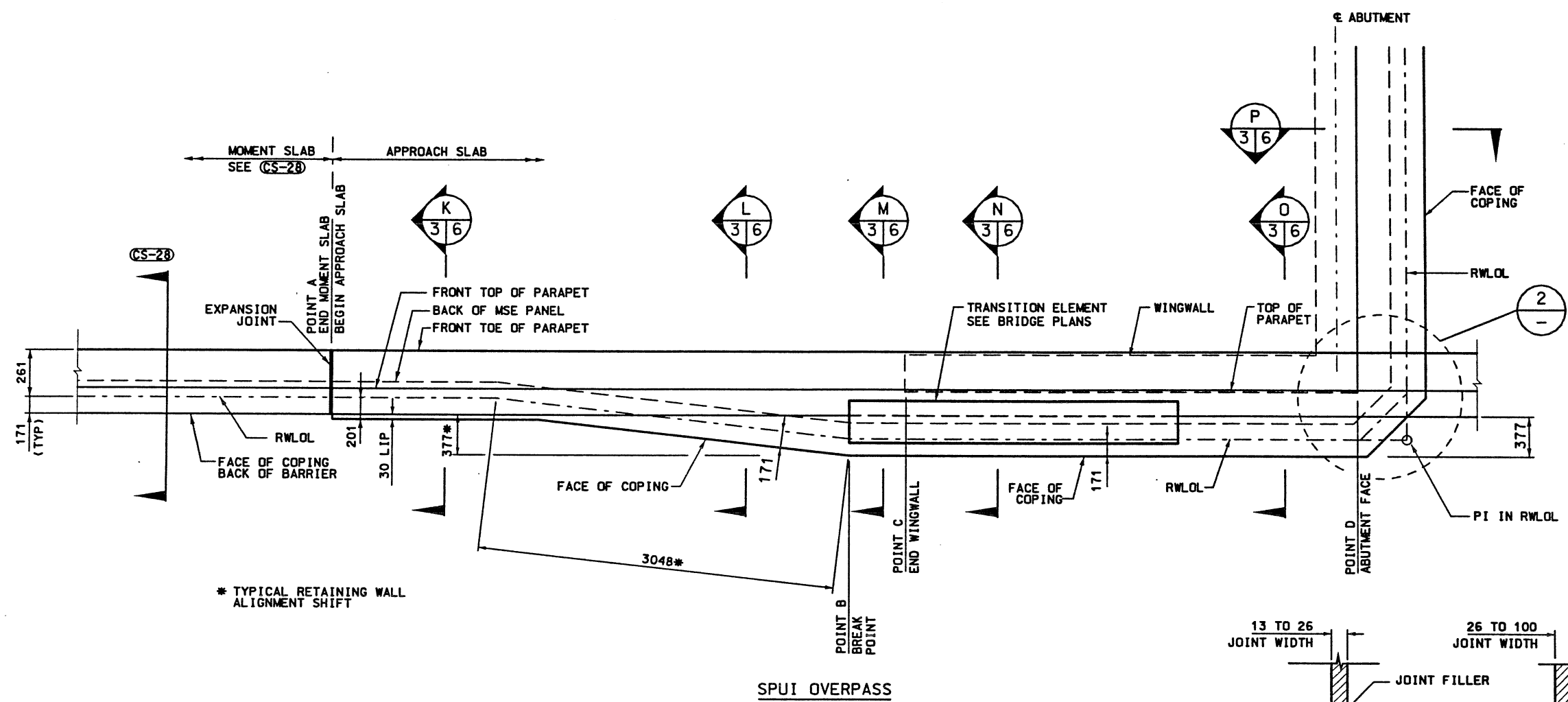
NTS

NOTES:
 1) ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.



WASATCH CONSTRUCTORS
JUN 30 1998
 RELEASED FOR CONSTRUCTION

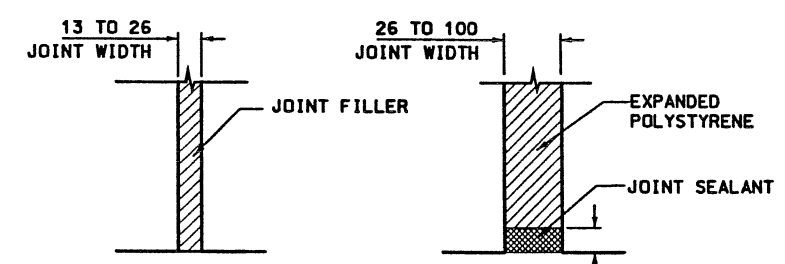
APPROVED FOR CONSTRUCTION		DATE		DESCRIPTION	
NO. A		6/18/98		Original Issue	
UTAH DEPARTMENT OF TRANSPORTATION		SVERDRUP/DE LEUW		CHECK	
I-15 CORRIDOR RECONSTRUCTION		STAN POLASTIK		DESIGN SDP	
COPING DETAILS AT BRIDGES		DATE		4/98	
CORRIDOR STANDARN PLAN		PROJECT DESIGN ENGINEER		CHECK	
PROJECT NUMBER #SP-15-7(135)296		JAMES KLENZ		DRAWN SDP	
		DATE		4/98	
		SECTION MANAGER		CHECK	
SALT LAKE COUNTY		DWG. NO.		CS-54-2	
SHT. 1		OF			



SCHMATIC PLAN - SINGLE STAGE MSE WALL AT SPUi OVERPASS

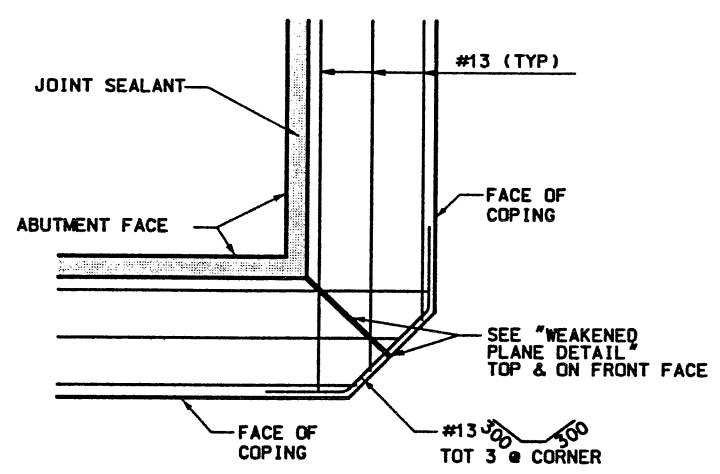
NTS

(NOTE: SHOWN FOR APPROACH SLAB TYPE C. TYPE A SIMILAR)

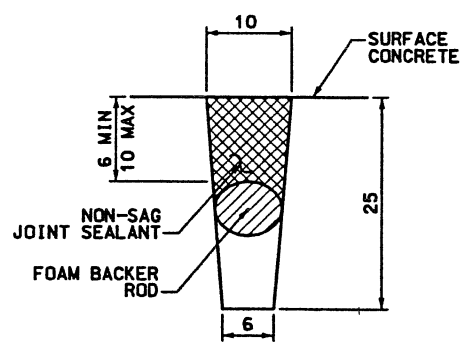


SECTION Q
NTS

FOR JOINT WIDTH. SEE BRIDGE PLANS

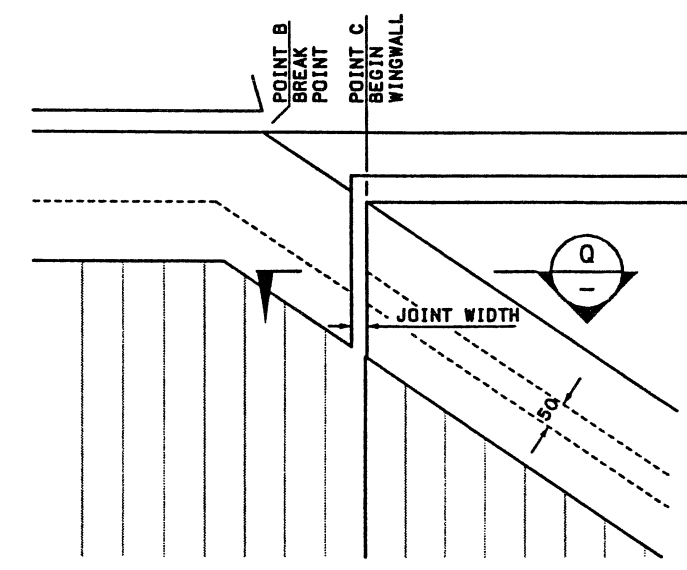


DETAIL 2
NTS



WEAKENED PLANE DETAIL
NTS

- NOTE:**
- 1) ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED
 - 2) DETAIL FOR POINT C SHOWN IS SIMILAR TO THE ONE AT POINT D ON THE ABUTMENT FACE.



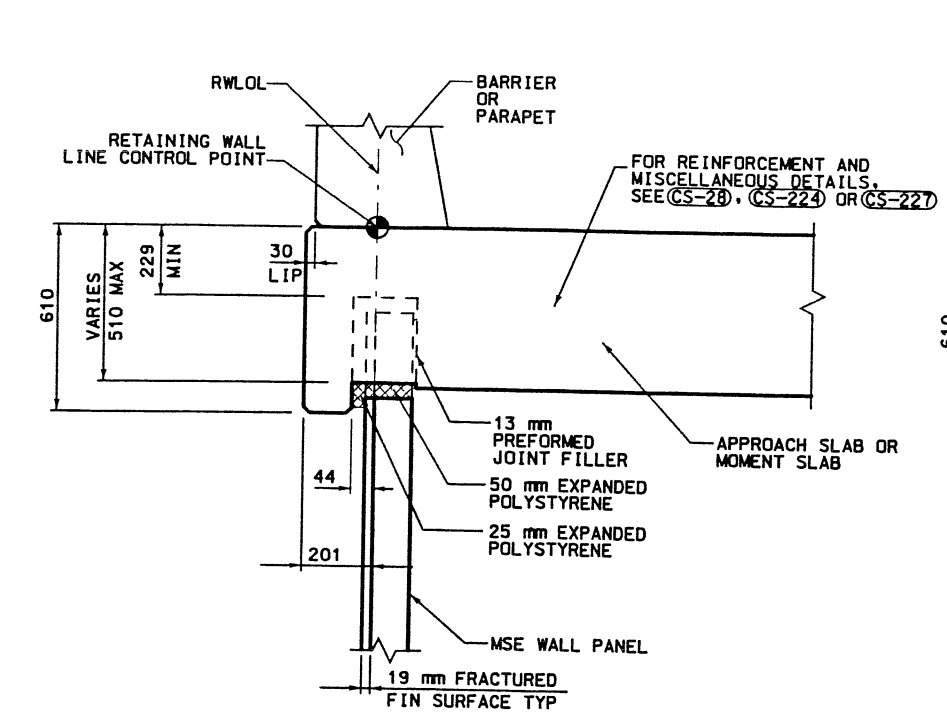
DETAIL 1
NTS

WASATCH CONSTRUCTORS
JUN 30 1998
RELEASED FOR CONSTRUCTION

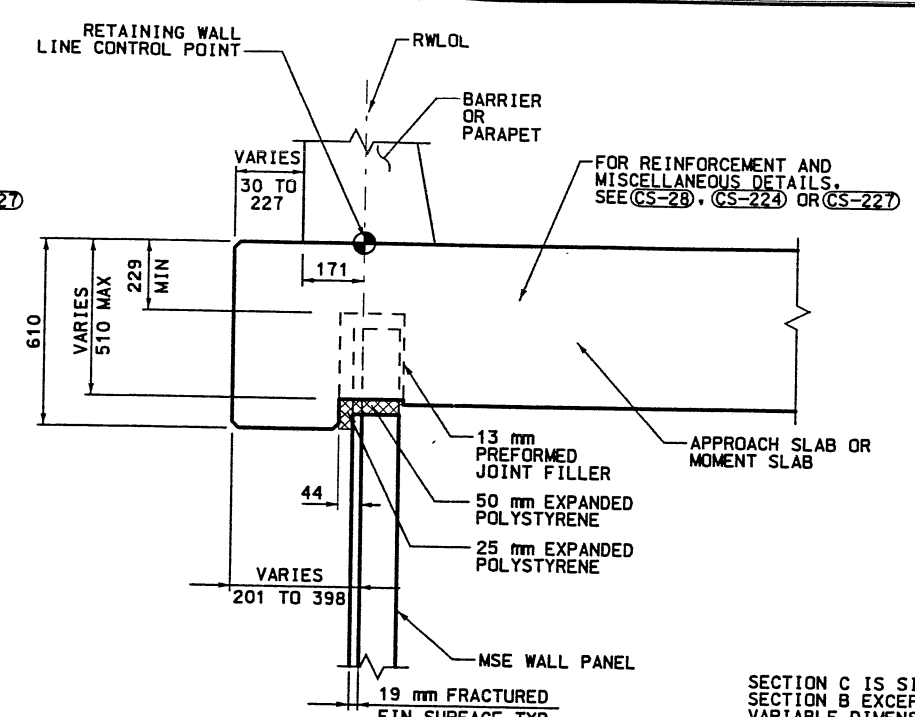


APPROVED FOR CONSTRUCTION		DESCRIPTION	
NO.	DATE	Original Issue	
1	6/18/98		
UTAH DEPARTMENT OF TRANSPORTATION			
I-15 CORRIDOR RECONSTRUCTION		SVERDRUP/DE LEUW	
COPING DETAILS AT BRIDGES		DESIGN SDP	CHECK NN
CORRIDOR STANDARD PLAN		DRAWN SDP	CHECK NN
PROJECT NUMBER #SP-15-7(135)296		DATE	QUANT.
		STAN POLASIK	
		PROJECT DESIGN ENGINEER	
		JAMES KLEINZ	
		SECTION MANAGER	
SALT LAKE COUNTY			
DWC. NO. CS-54-3			
SHT. OF			

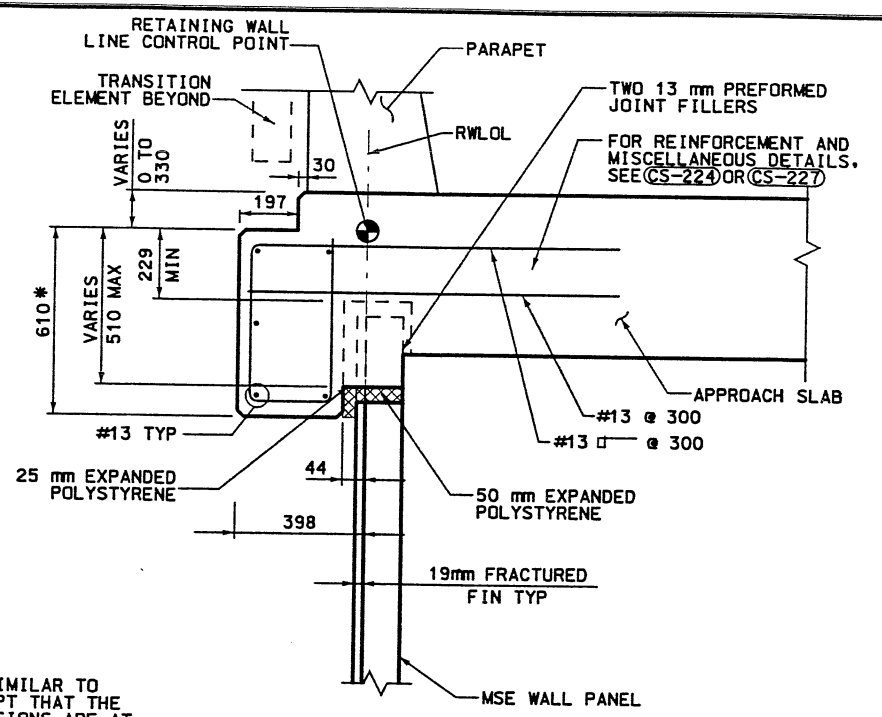
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SECTION A A
NTS 1/4 2/4



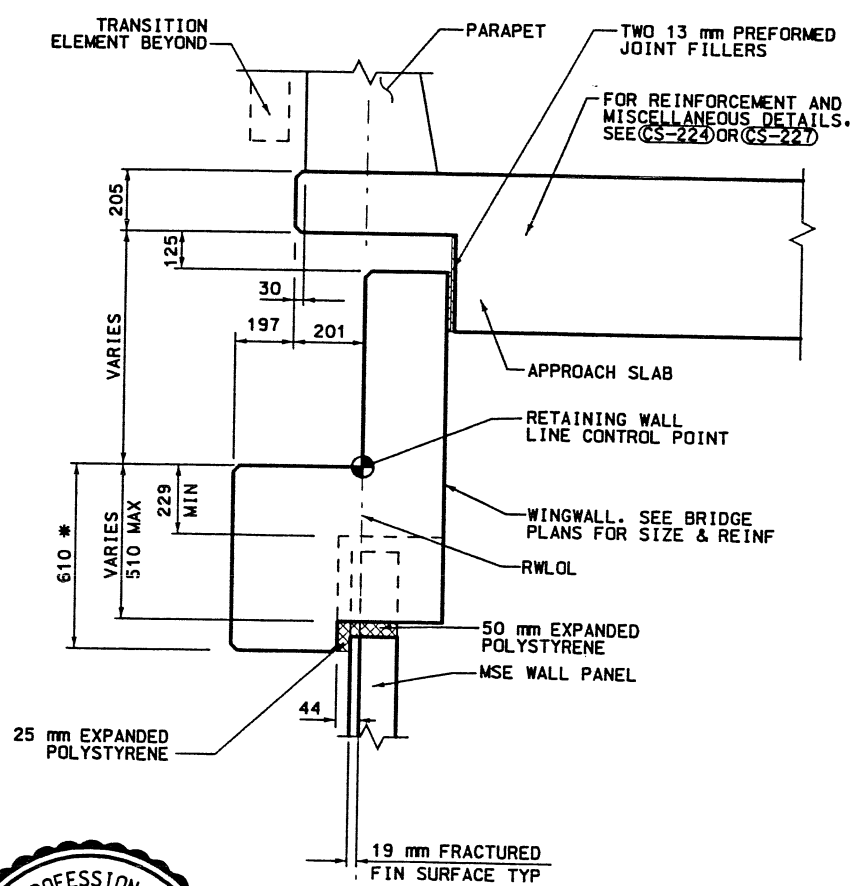
SECTION B B
NTS 1/4 2/4



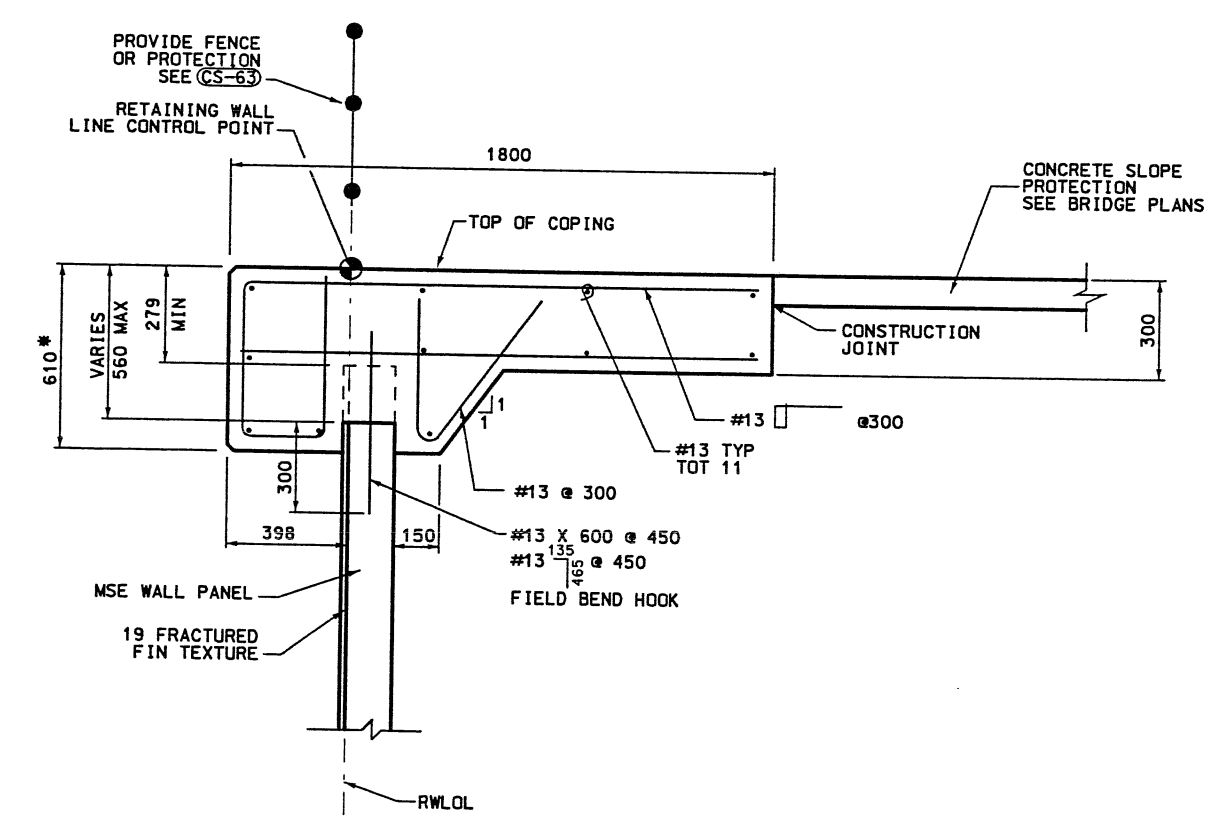
SECTION C IS SIMILAR TO SECTION B EXCEPT THAT THE VARIABLE DIMENSIONS ARE AT THE MAXIMUM VALUES AND TRANSITION AREA NOT SHOWN.

SECTION C C
NTS 1/4 2/4

SECTION D D
NTS 1/4 2/4



SECTION E E
NTS 1/4 2/4



SECTION F F
NTS 1/4 2/4

WASATCH CONSTRUCTORS
 FEB 03 1999
 RELEASED FOR CONSTRUCTION

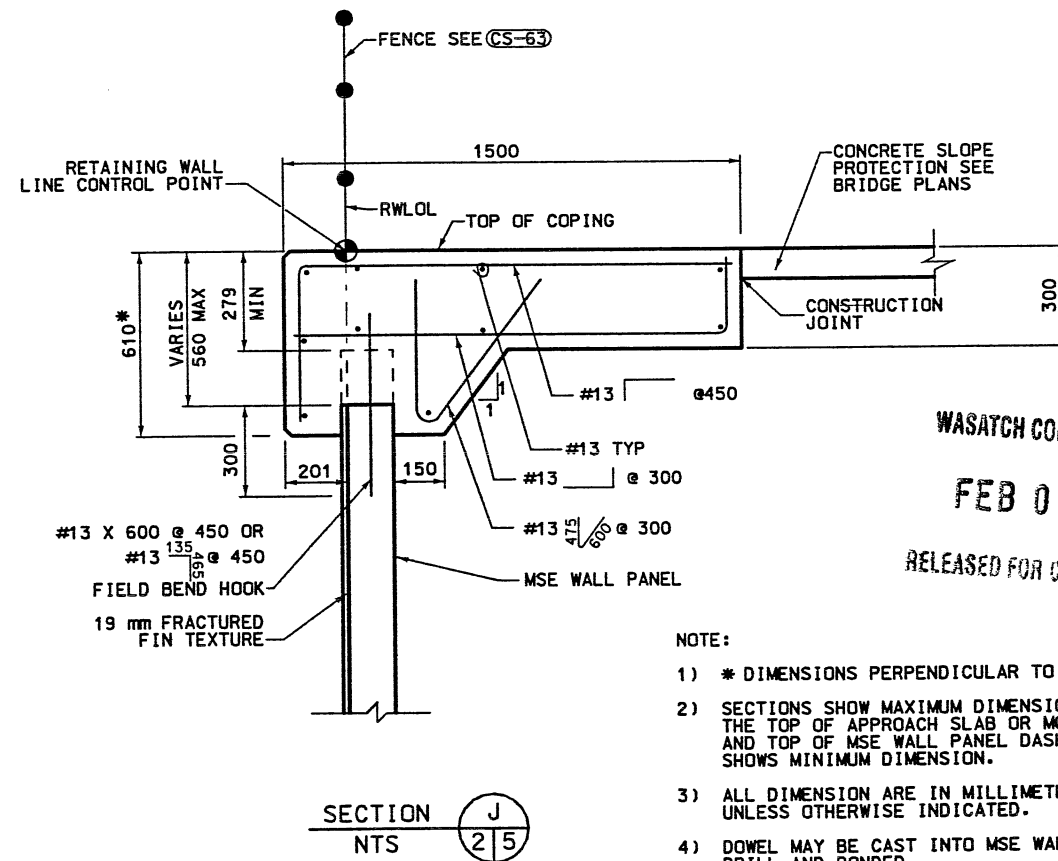
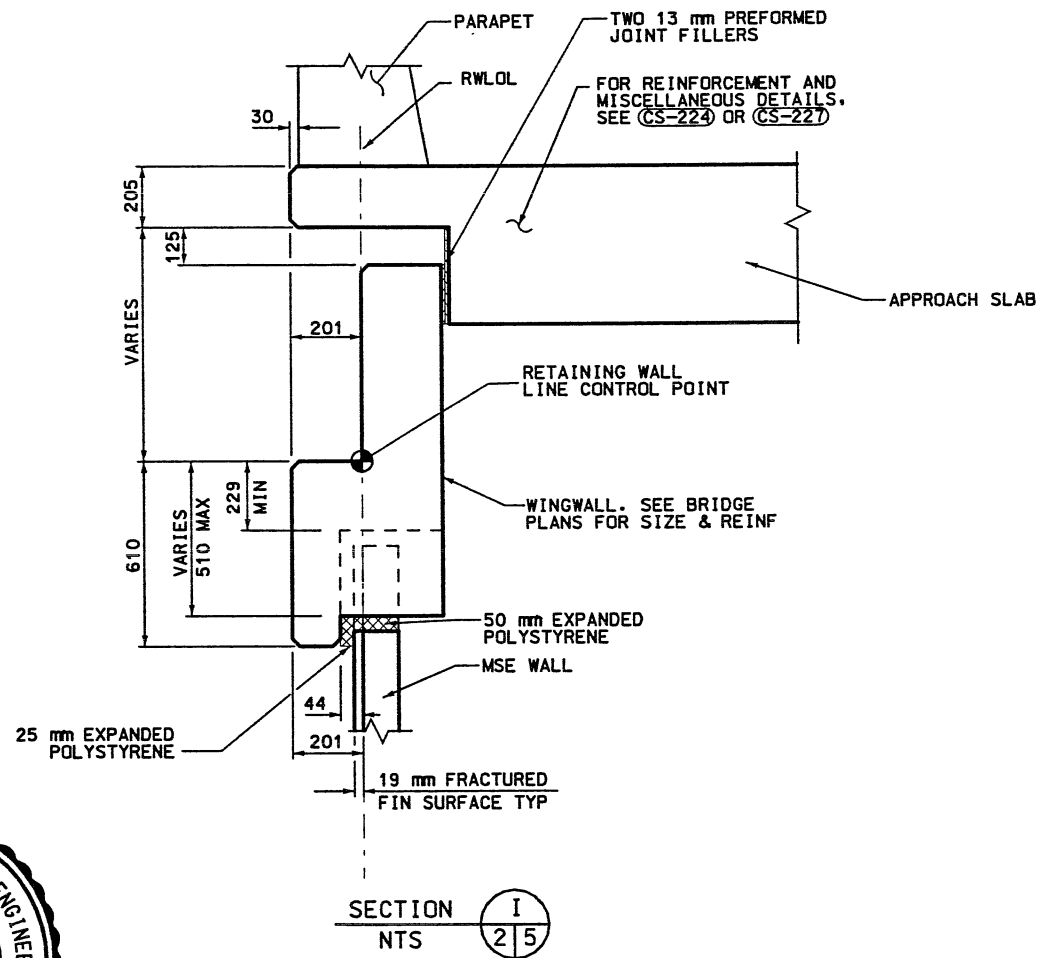
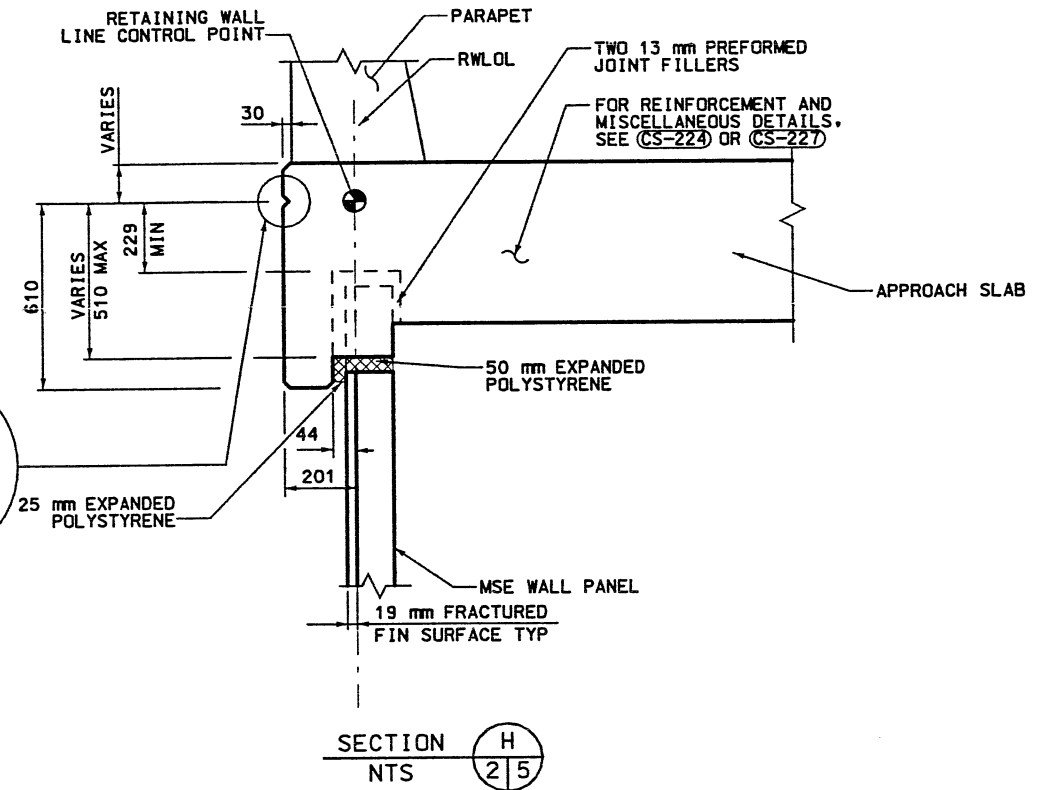
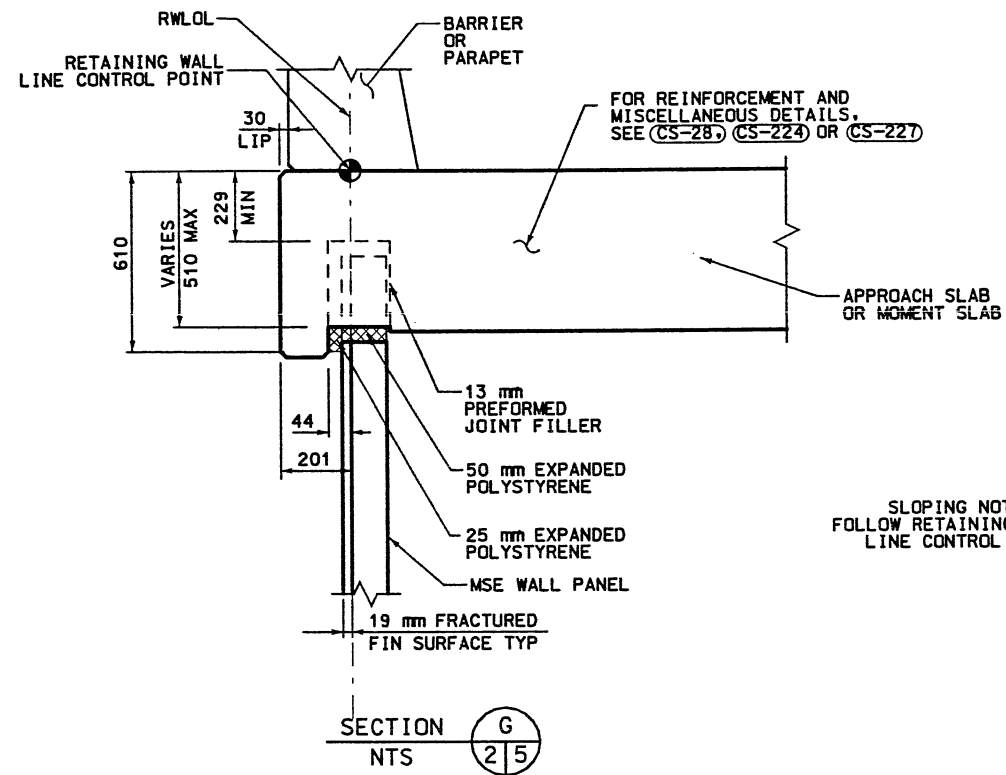
- NOTE:
- * DIMENSIONS PERPENDICULAR TO SLOPE.
 - SECTIONS SHOW MAXIMUM DIMENSION BETWEEN THE TOP OF APPROACH SLAB OR MOMENT SLAB AND TOP OF MSE WALL PANEL. DASHED LINE SHOWS MINIMUM DIMENSION.
 - ALL DIMENSION ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.
 - DOWEL MAY BE CAST INTO MSE WALL PANEL OR DRILL AND BONDED.
 - CHAMFER ALL EXPOSED CONCRETE CORNERS 20mm.



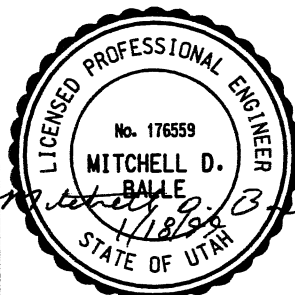
MSE SINGLE STAGE WALL SECTIONS
NON SPUI OVERPASS WITH TRANSITION ELEMENT

APPROVED FOR CONSTRUCTION		DESCRIPTION	
NO.	DATE	DESIGN SDP	CHECK
1	06/18/98	STAN POLASIK	4/98
2	10/16/98	JAMES KLENZ	4/98
3	01/15/99	JAMES KLENZ	4/98
ORIGINAL ISSUE		QUANT.	
DOWEL REVISIONS		CHECK	
ADDED CHAMFER NOTE		CHECK	
UTAH DEPARTMENT OF TRANSPORTATION			
I-15 CORRIDOR RECONSTRUCTION		SVERDRUP/DE LEUW	
COPING DETAILS AT BRIDGES		DESIGN SDP	
CORRIDOR STANDARD PLAN		DRAWN SDP	
PROJECT NUMBER *SP-15-7(135)296		DATE	
SALT LAKE COUNTY		DATE	
DWG. NO. CS-54-4		DATE	
SHT. _____ OF _____		DATE	

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- NOTE:
- * DIMENSIONS PERPENDICULAR TO SLOPE.
 - SECTIONS SHOW MAXIMUM DIMENSION BETWEEN THE TOP OF APPROACH SLAB OR MOMENT SLAB AND TOP OF MSE WALL PANEL DASHED LINE SHOWS MINIMUM DIMENSION.
 - ALL DIMENSION ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.
 - DOWEL MAY BE CAST INTO MSE WALL PANEL OR DRILL AND BONDED.
 - CHAMFER ALL EXPOSED CONCRETE CORNERS 20mm.

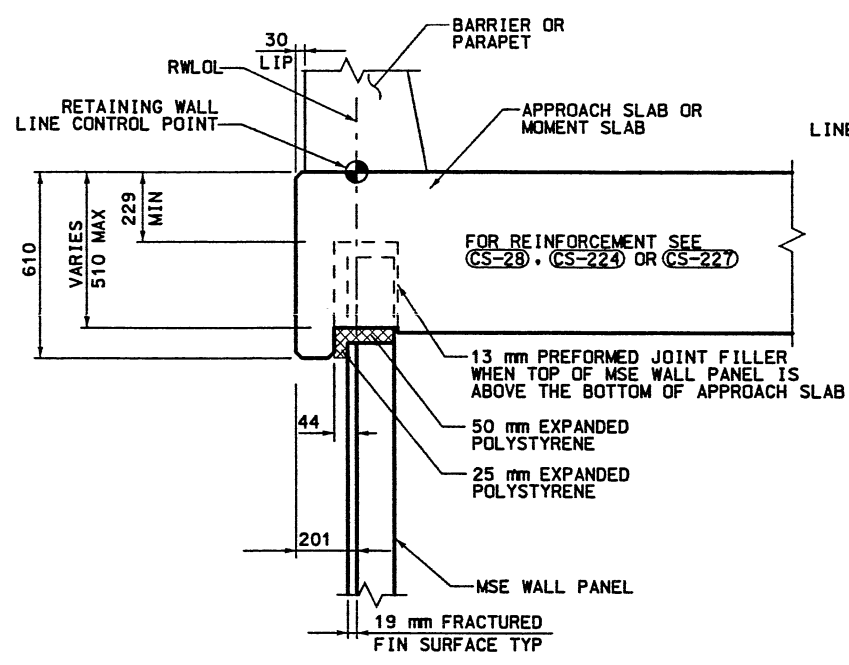


MSE SINGLE STAGE WALL SECTIONS
NON SPUI OVERPASS WITHOUT TRANSITION ELEMENT

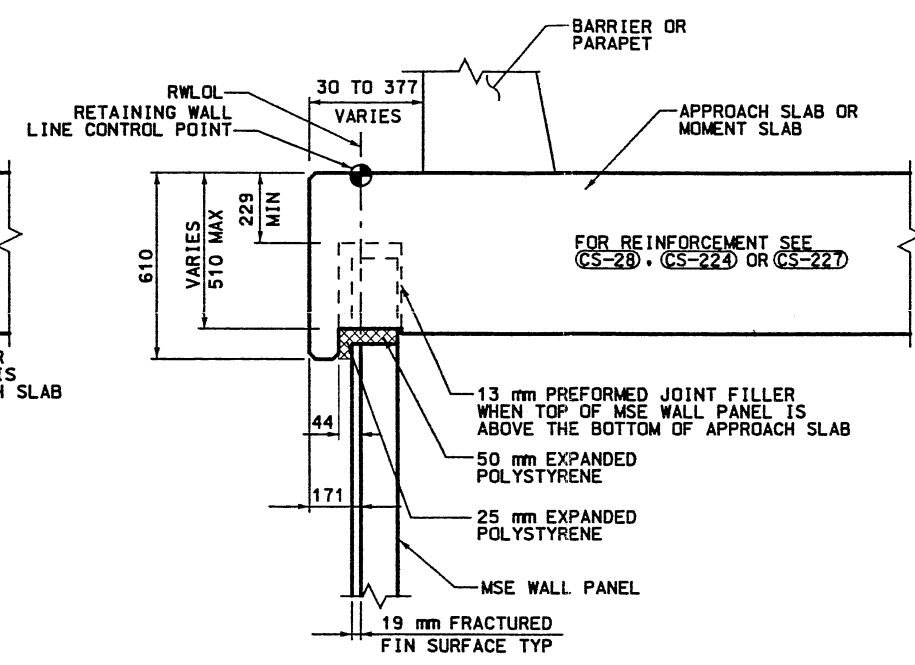
APPROVED FOR CONSTRUCTION		DESCRIPTION	
NO.	DATE	NO.	DATE
1	06/18/98	1	06/18/98
2	10/16/98	2	10/16/98
3	01/15/99	3	01/15/99
ORIGINAL ISSUE		ADDED CHAMFER NOTE	
UTAH DEPARTMENT OF TRANSPORTATION			
SVERDRUP/DE LEUW		CHECK	
DESIGN SDP	4/98	CHECK NN	4/98
PROJECT DESIGN ENGINEER	STAN POLASIK	CHECK NN	4/98
DATE	DATE	CHECK NN	4/98
DESIGNED BY	JAMES KLEMZ	CHECK	
SECTION MANAGER		QUANT.	
I-15 CORRIDOR RECONSTRUCTION			
COPING DETAILS AT BRIDGES			
CORRIDOR STANDARD PLAN			
PROJECT NUMBER #SP-15-7(135)296			
SALT LAKE COUNTY			
DWG. NO. CS-54-5			
SHT. OF			

WASATCH CONSTRUCTORS
FEB 03 1999
RELEASED FOR CONSTRUCTION

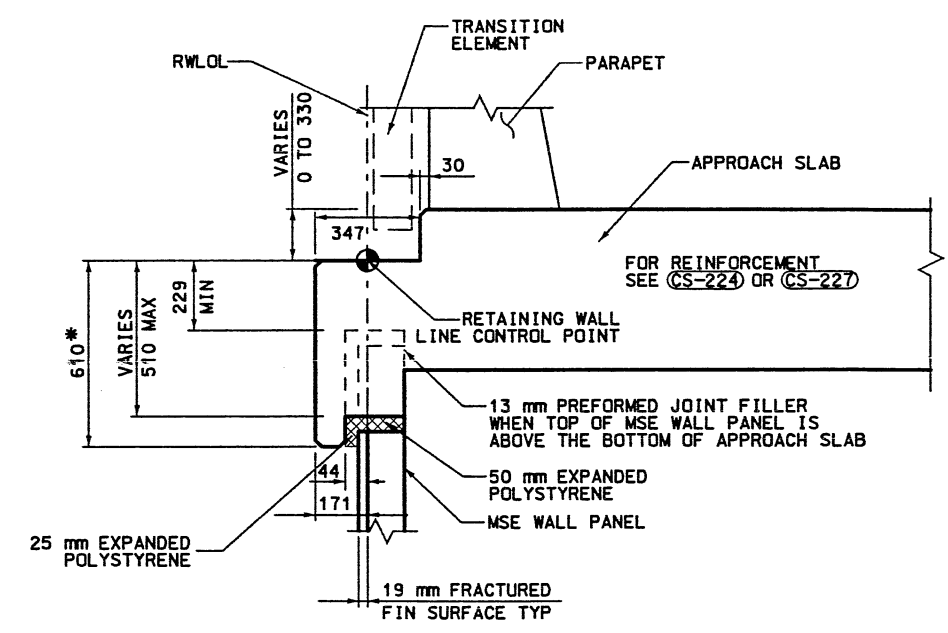
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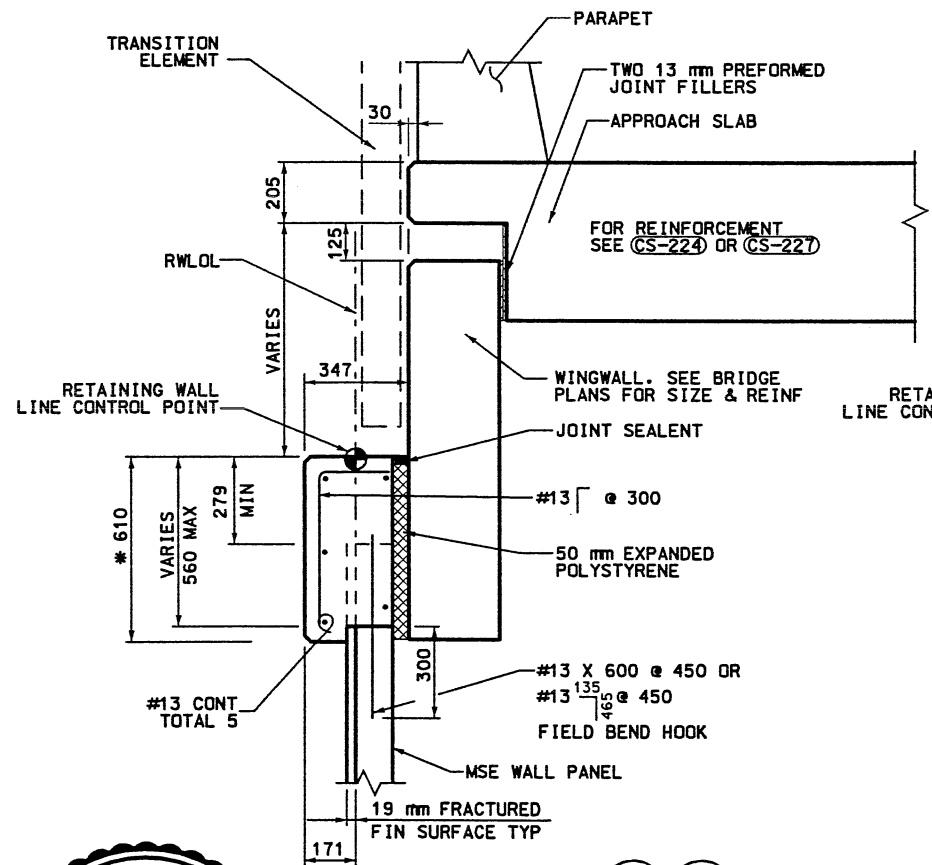
SECTION K K
NTS 1 6 3 6



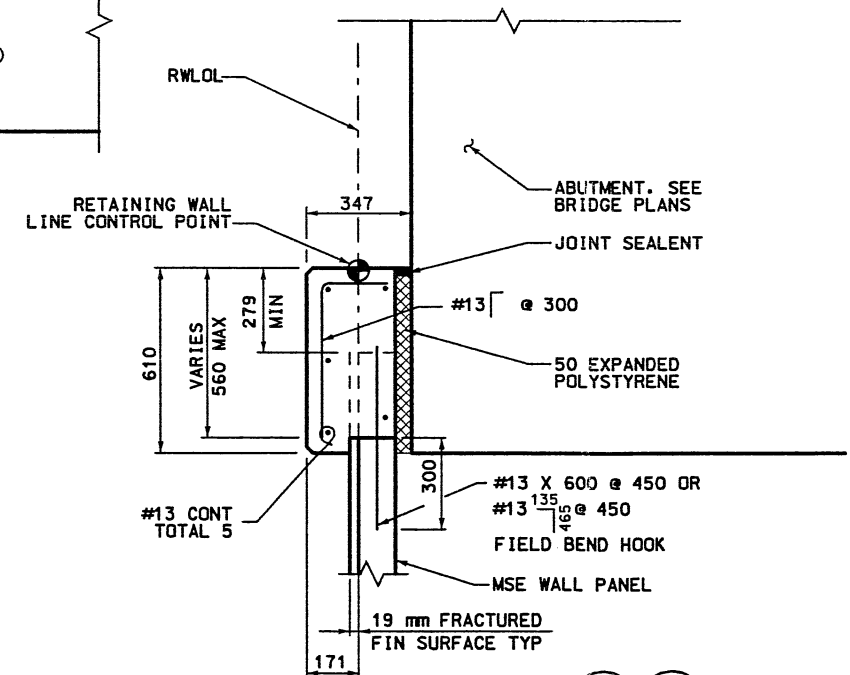
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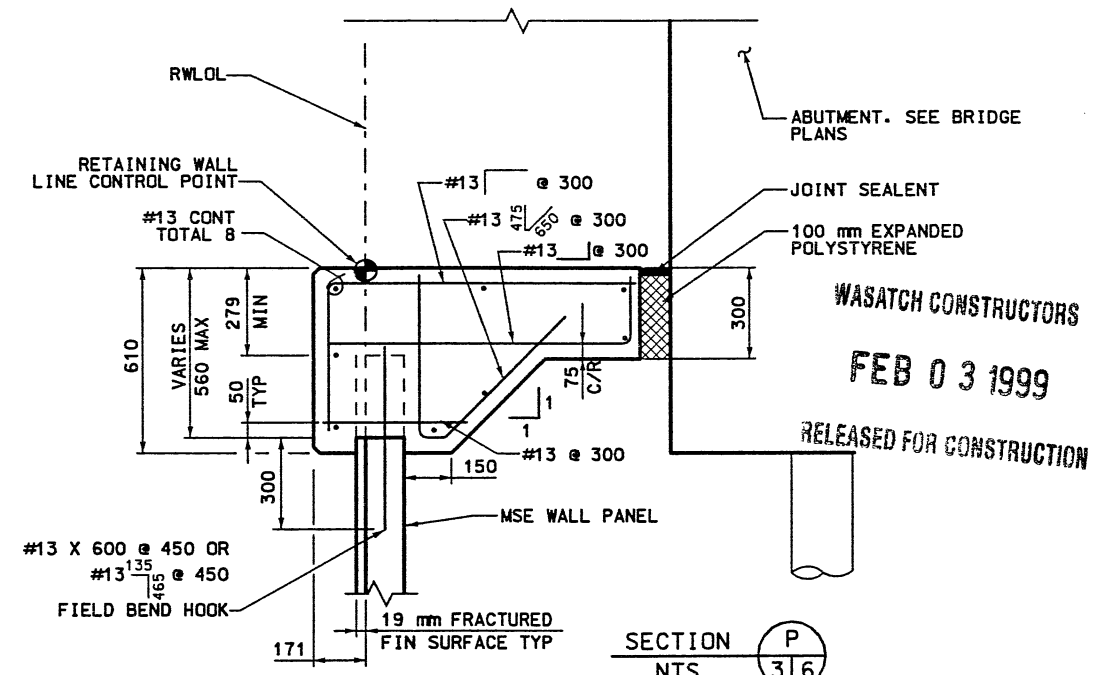
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NTS 1 6 3 6



SECTION N N
NTS 1 6 3 6



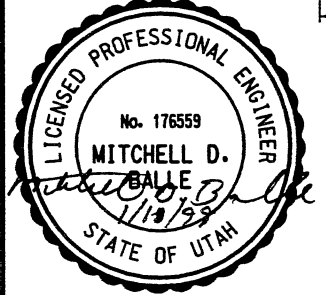
SECTION O O
NTS 1 6 3 6



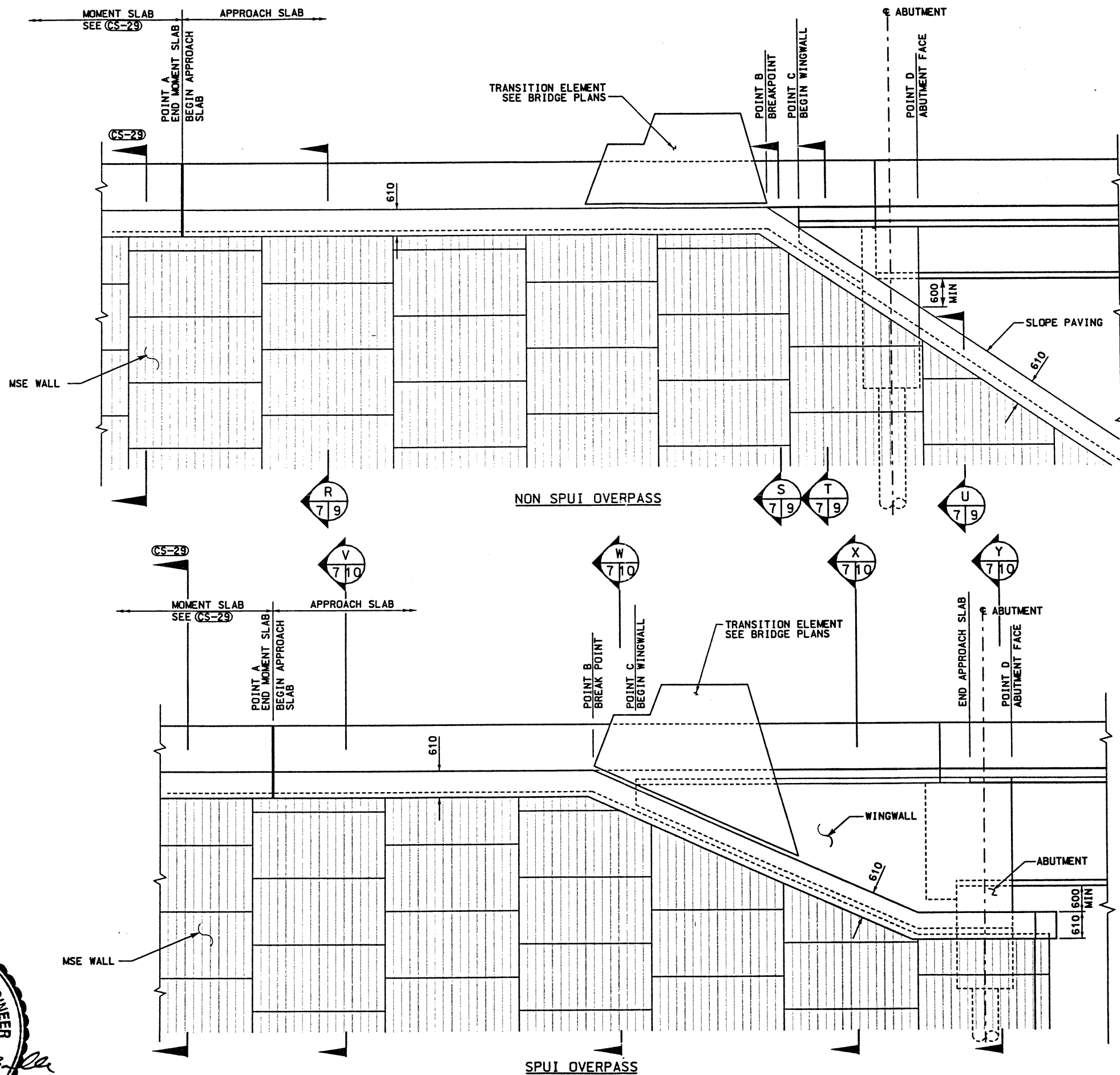
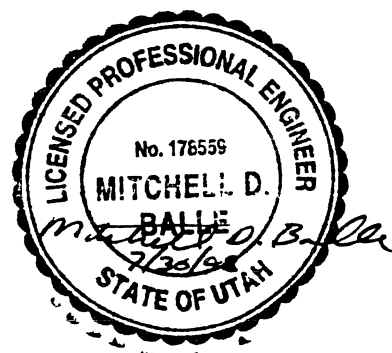
SECTION P P
NTS 3 6

MSE SINGLE STAGE WALL SECTIONS
SUI OVERPASS

- NOTE:
- * DIMENSIONS PERPENDICULAR TO SLOPE.
 - SECTIONS SHOW MAXIMUM DIMENSION BETWEEN THE TOP OF APPROACH SLAB OR MOMENT SLAB AND TOP OF MSE WALL PANEL. DASHED LINE SHOWS MINIMUM DIMENSION.
 - ALL DIMENSION ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.
 - DOWEL MAY BE CAST INTO MSE PANEL OR DRILL AND BONDED.
 - CHAMFER ALL EXPOSED CONCRETE CORNERS 20mm.



APPROVED FOR CONSTRUCTION		DESCRIPTION	
NO.	DATE	NO.	DATE
1	06/18/98	1	ORIGINAL ISSUE
2	10/16/98	2	DRAWING REVISIONS
3	01/15/99	3	ADDED CHAMFER NOTE
UTAH DEPARTMENT OF TRANSPORTATION			
SVERDRUP/DE LEUW		DESIGN SDP	CHECK
STAN POLASIK		DESIGN SDP	CHECK
PROJECT DESIGN ENGINEER		DATE	CHECK
JAMES KLENZ		DATE	CHECK
SECTION MANAGER		QUANT.	CHECK
I-15 CORRIDOR RECONSTRUCTION			
COPING DETAILS AT BRIDGES			
CORRIDOR STANDARD PLAN			
PROJECT NUMBER *SP-15-7(135)296			
SALT LAKE COUNTY			
DWG. NO. CS-54-6			
SHT. _____ OF _____			

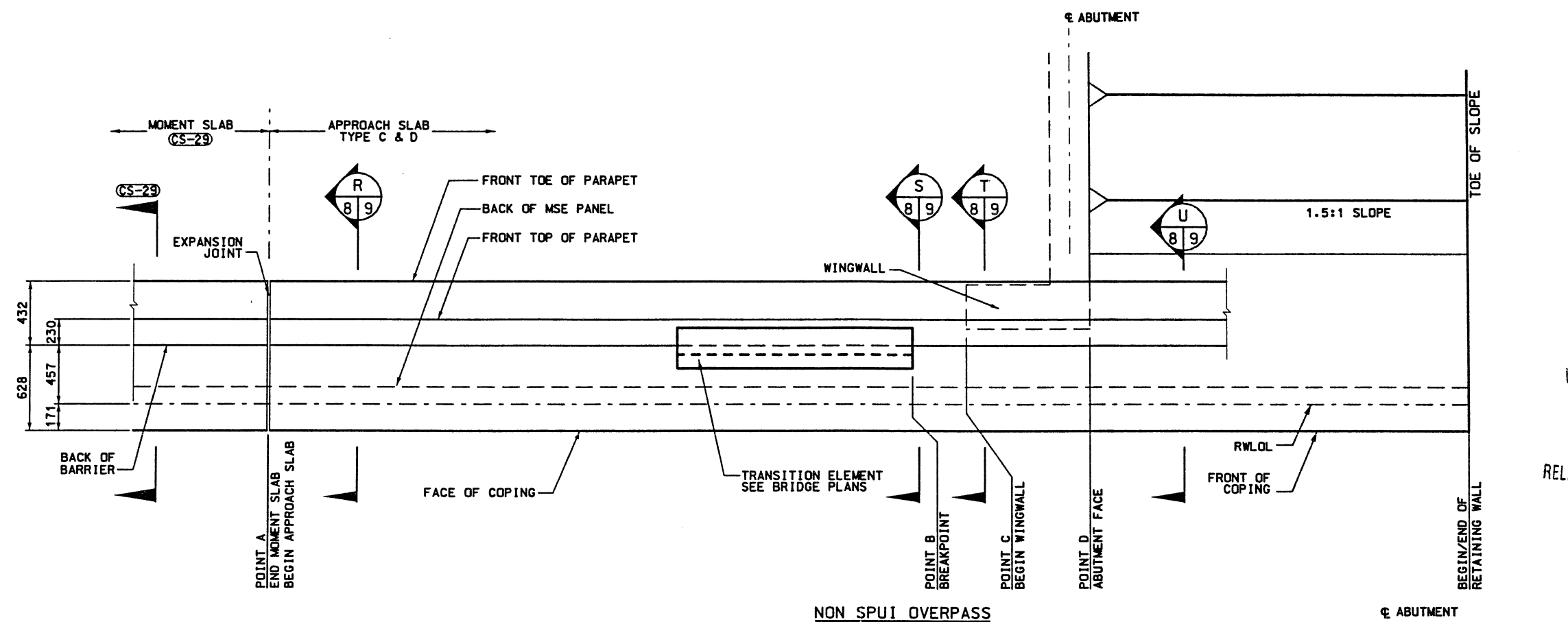


MSE TWO STAGE WALL AND BRIDGE - ELEVATIONS
NTS

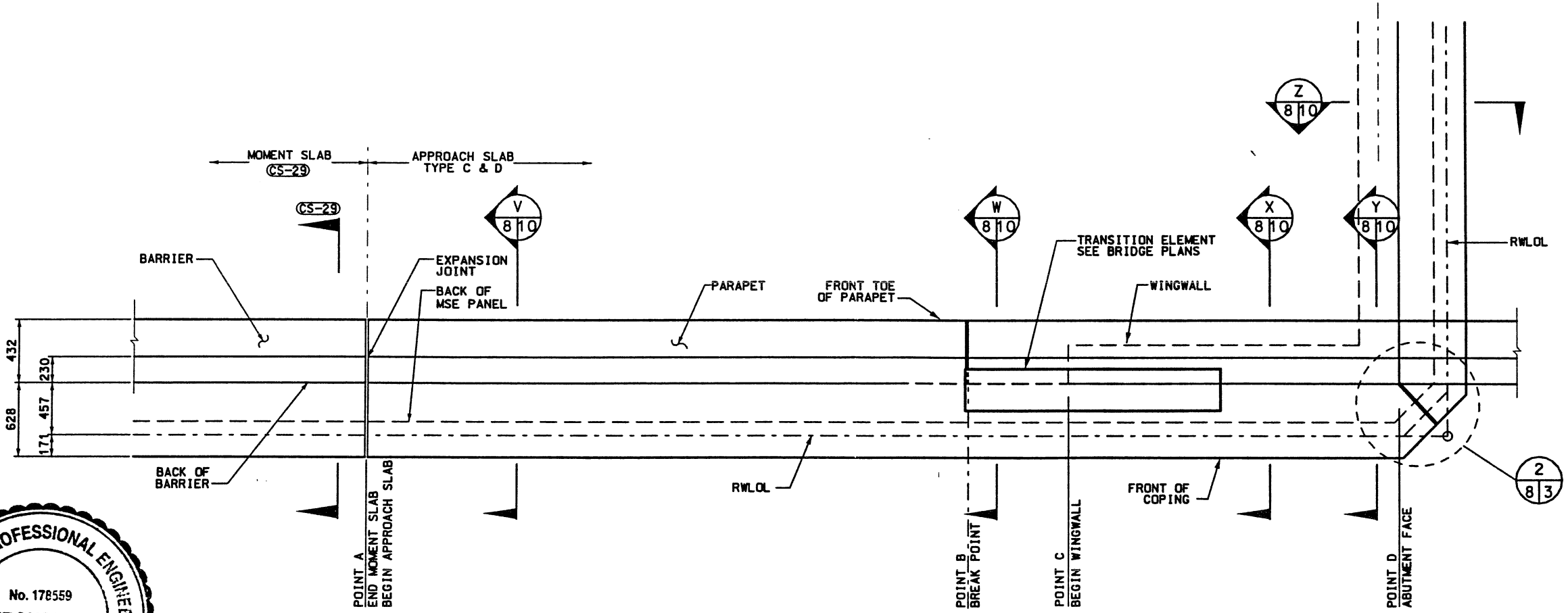
- NOTES:
- 1) ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
 - 2) ALL CAST-IN-PLACE CONCRETE SHALL BE CLASS AA (AE) CONCRETE $f'_c = 28\text{MPa}$.
 - 3) SEE SPECIFICATION 706A FOR PREFORMED JOINT FILLER AND JOINT SEALER.
 - 4) ELEVATIONS SHOWN FOR APPROACH SLAB TYPE C & D. TYPE A & B SIMILAR.

WASATCH CONSTRUCTORS
AUG 05 1998
RELEASED FOR CONSTRUCTION

APPROVED FOR CONSTRUCTION		DESCRIPTION	
NO.	DATE	NO.	DATE
1	07/24/98	1	07/24/98
			ORIGINAL ISSUE
UTAH DEPARTMENT OF TRANSPORTATION			
I-15 CORRIDOR RECONSTRUCTION		SVERDRUP/DE LEUW	
COPING DETAILS AT BRIDGES		DESIGN SDP 05/98 CHECK NN 05/98	
CORRIDOR STANDARD PLAN		PROJECT DESIGN ENGINEER MITCH BALLE	
PROJECT NUMBER #SP-15-7(135)296		DRAWN MVM 2/10/98 CHECK	
		APPROVED DATE SECTION MANAGER STAN POLASIK	
		QUANT.	
SALT LAKE COUNTY			
DWG. NO. CS-54-7			
SHT. _____		OF _____	



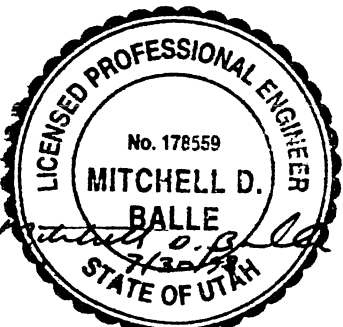
NON SPU OVERPASS



SPUI OVERPASS

SCHMATIC PLAN - TWO STAGE MSE WALL

NTS

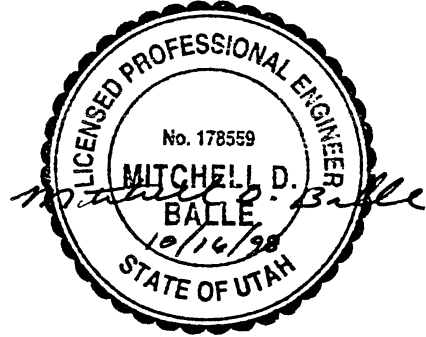
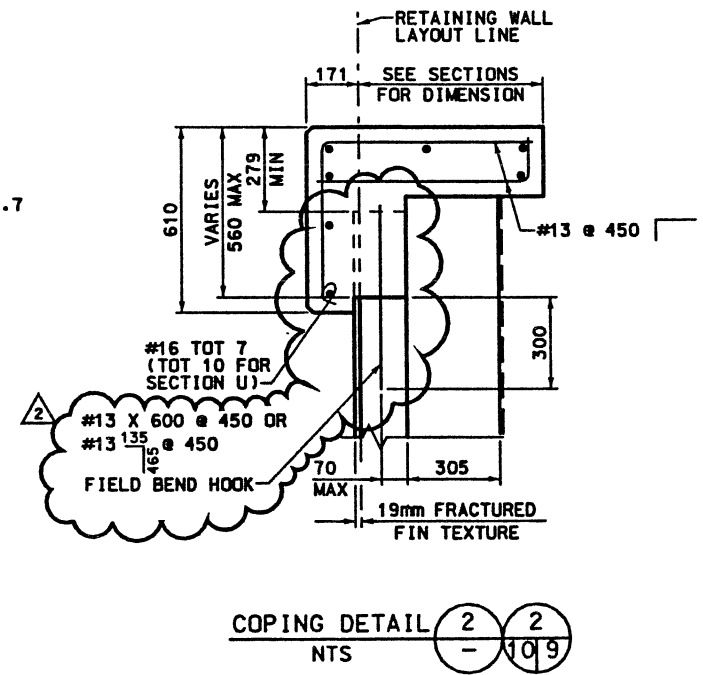
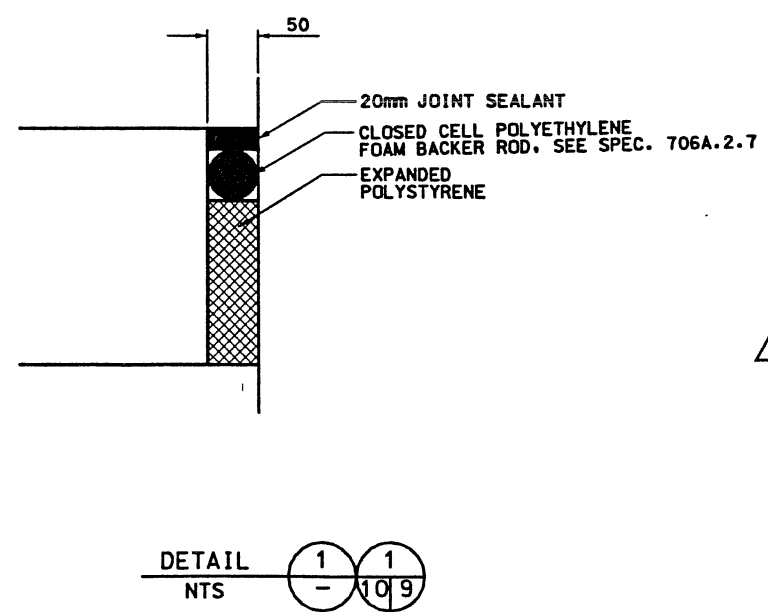
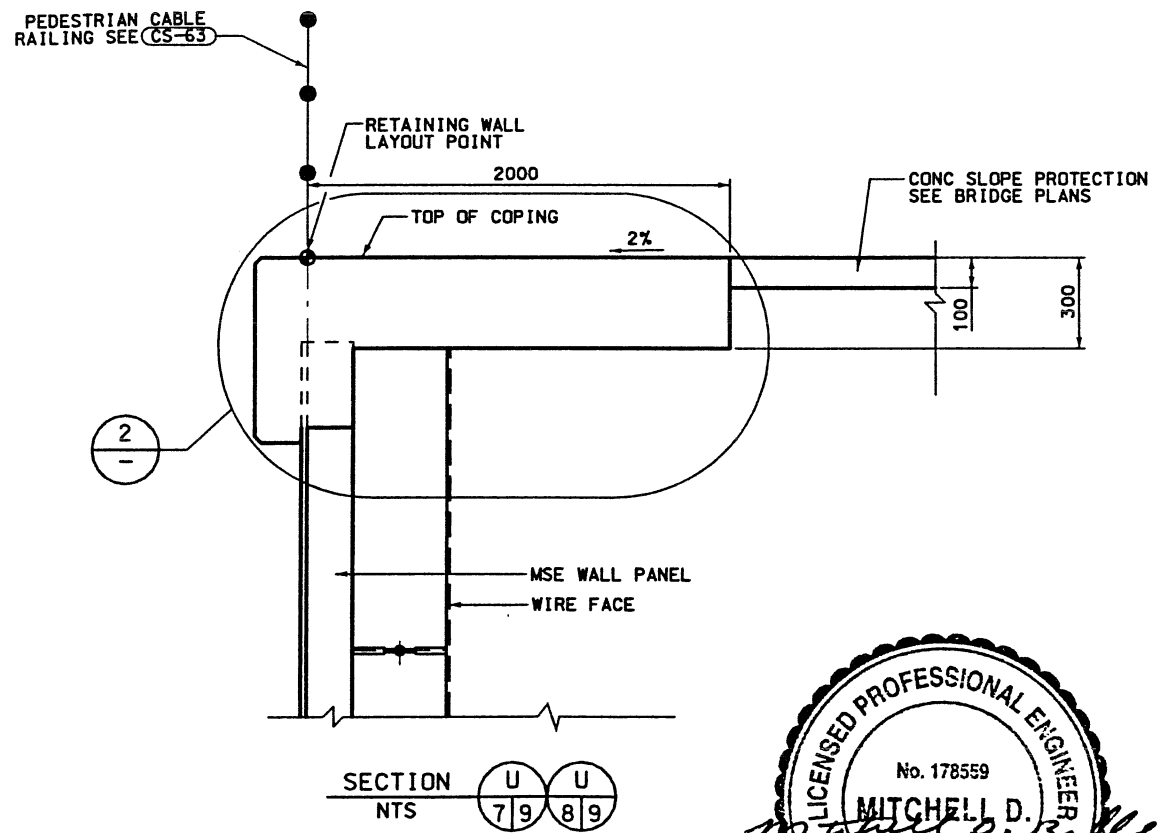
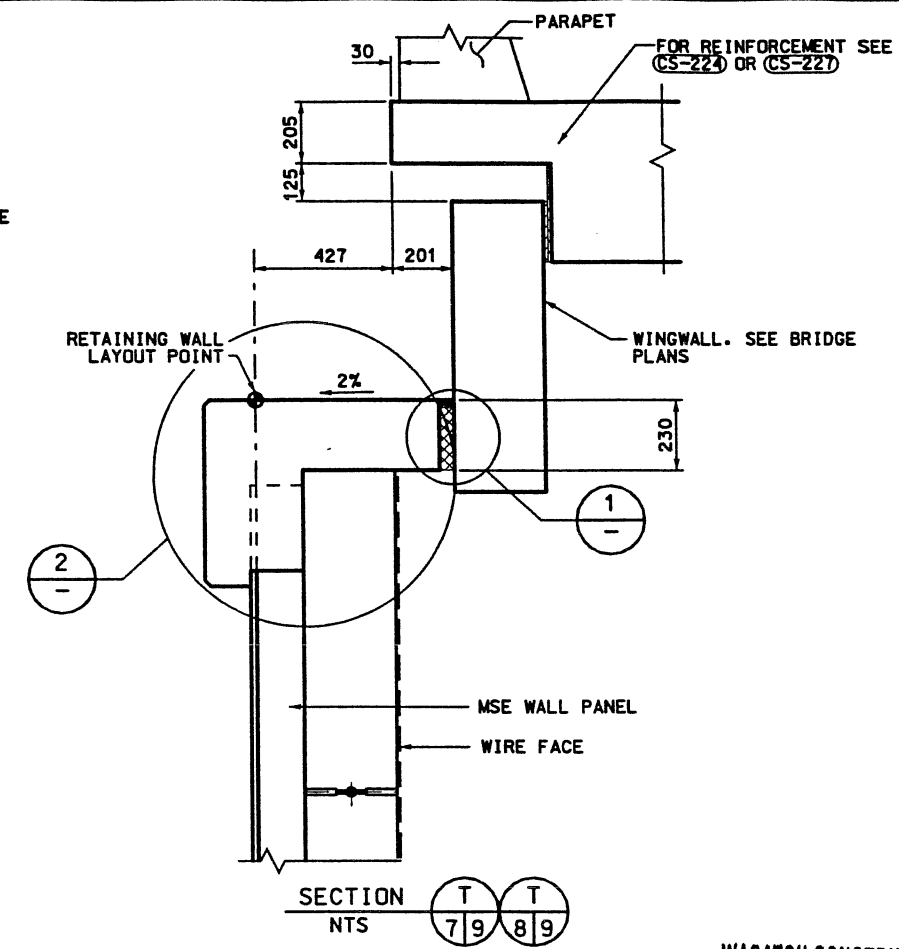
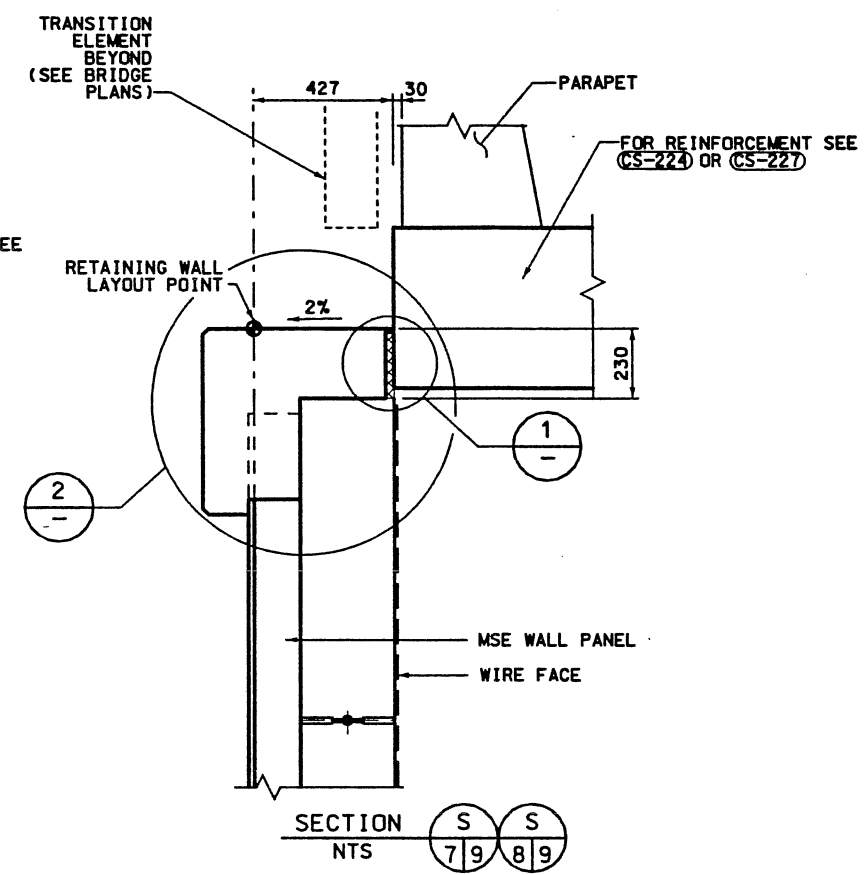
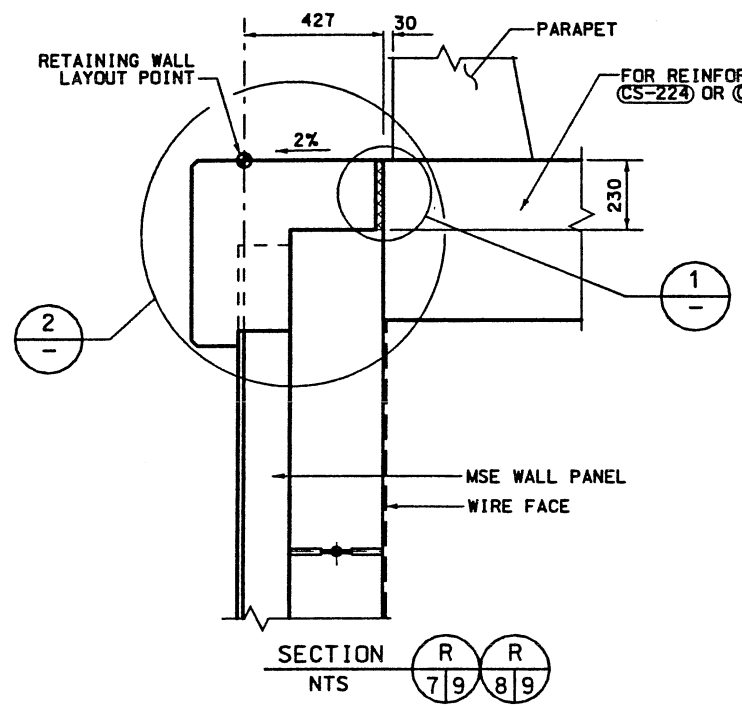


WASATCH CONSTRUCTORS
 AUG 05 1998
 RELEASED FOR CONSTRUCTION

- NOTES:
- 1) ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED
 - 2) SCHEMATIC PLANS SHOWN FOR APPROACH SLAB TYPE C & D. TYPE A & B SIMILAR.

APPROVED FOR CONSTRUCTION		DESCRIPTION	
NO.	DATE	NO.	DATE
1	07/24/98		
			ORIGINAL ISSUE
UTAH DEPARTMENT OF TRANSPORTATION			
I-15 CORRIDOR RECONSTRUCTION		SVERDRUP/DE LEUW	
COPING DETAILS AT BRIDGES		DESIGN SDP	
CORRIDOR STANDARD PLAN		CHECK	
PROJECT NUMBER #SP-15-7(135)296		CHECK	
APPROVAL RECORD		CHECK	
DATE		DATE	
MILCH BALLE		NN	
PROJECT DESIGN ENGINEER		CHECK	
DATE		CHECK	
STAN POLASIK		CHECK	
SECTION MANAGER		QUANT.	
DATE		DATE	
SALT LAKE COUNTY			
DWG. NO. CS-54-8			
SHT. _____ OF _____			

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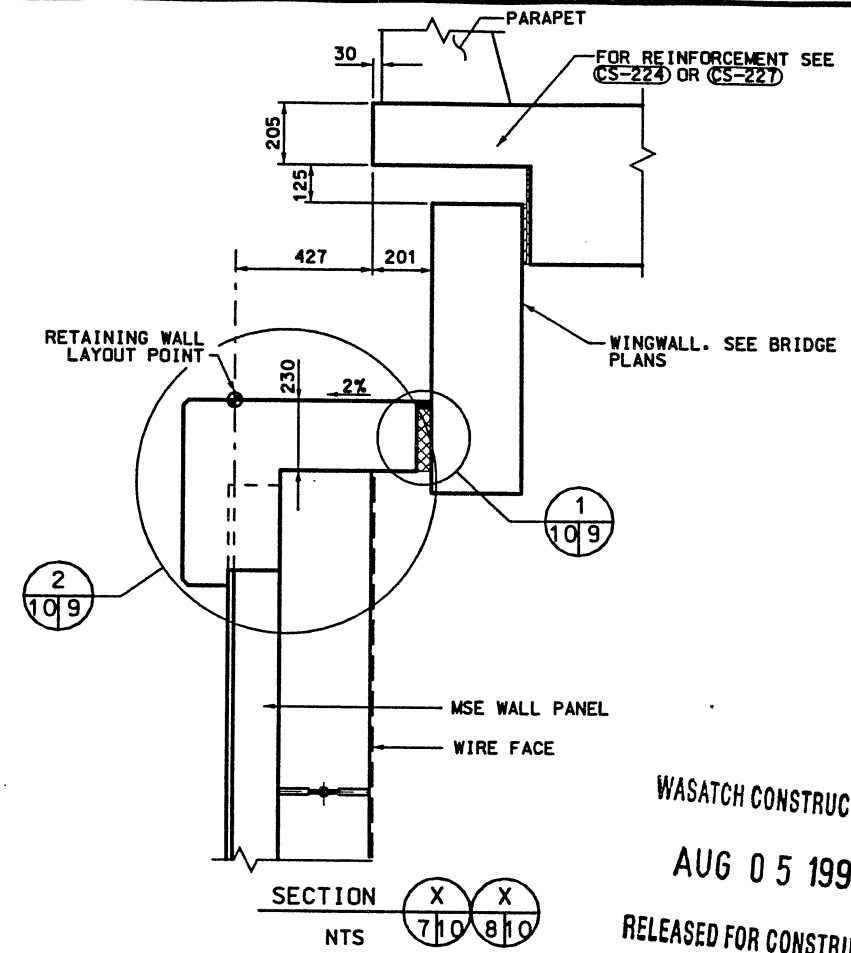
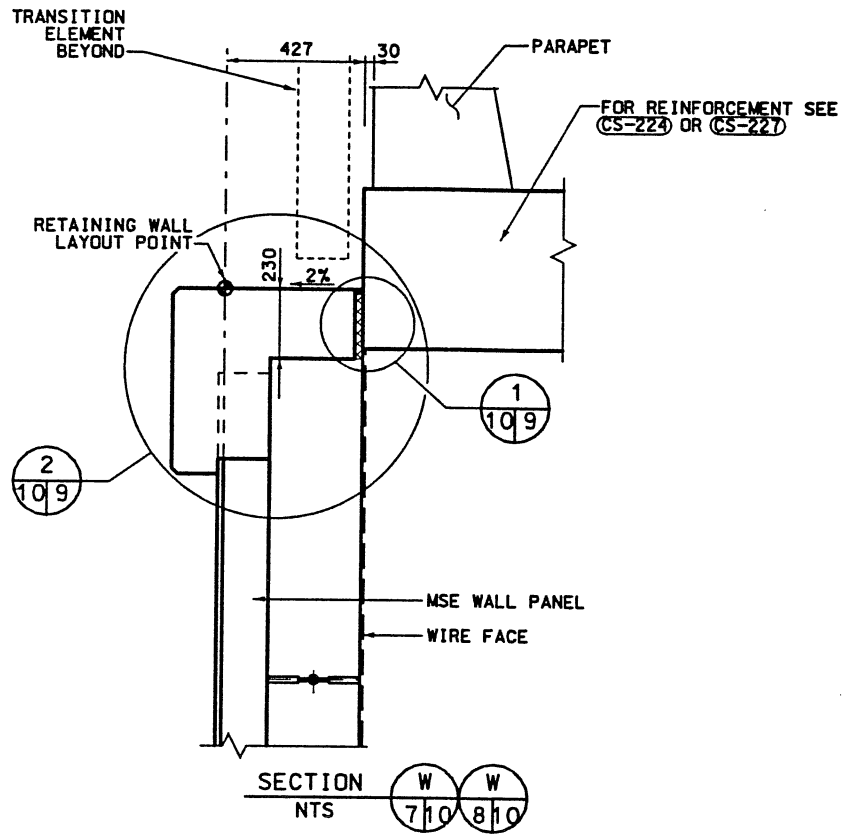
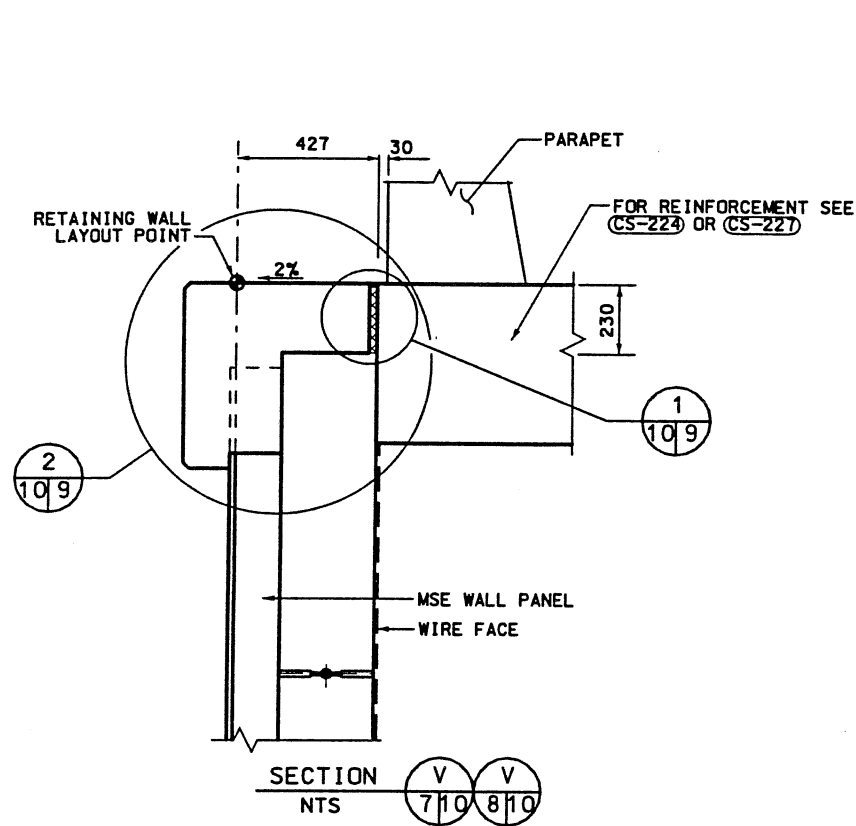
MSE TWO STAGE WALL-SECTIONS
NON SPUI OVERPASS
NTS

WASATCH CONSTRUCTORS
 OCT 19 1998
 RELEASED FOR CONSTRUCTION

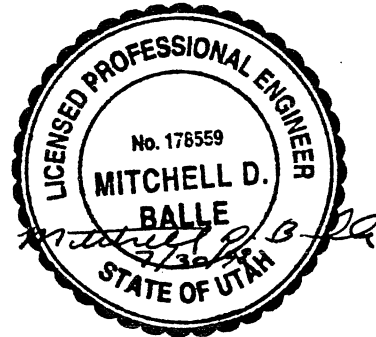
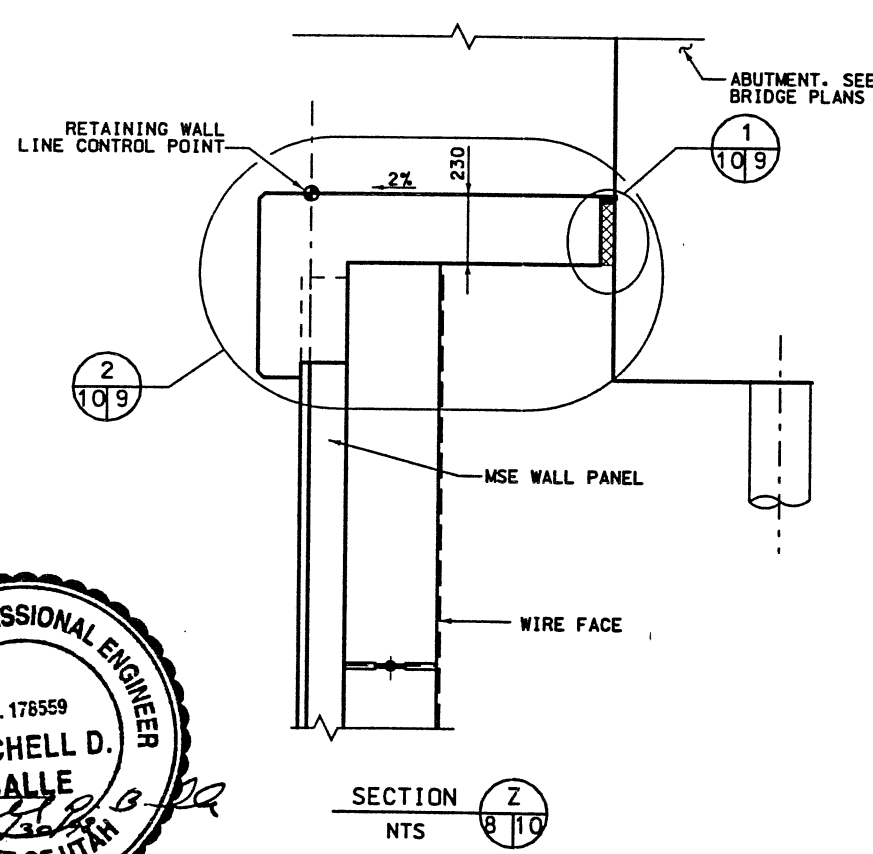
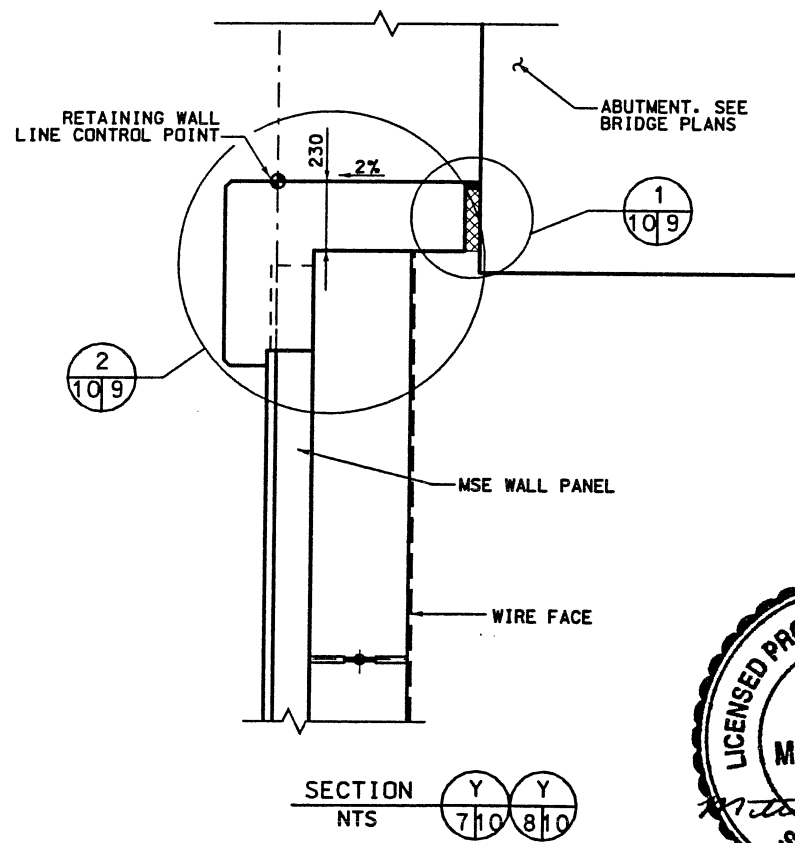
- NOTE:
- NO ANCHORAGE IS TO BE PLACED BETWEEN FASCIA PANEL AND WING WALL.
 - ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
 - DOWEL MAY BE CAST INTO MSE WALL PANEL OR DRILL AND BONDED.

APPROVED FOR CONSTRUCTION		DESCRIPTION	
NO.	DATE	NO.	DATE
1	07/24/98	1	06/79
2	10/16/98	2	06/79
UTAH DEPARTMENT OF TRANSPORTATION		SVERDRUP/DE LEUW	
DESIGN	SDP	CHECK	NN
PROJECT	DESIGN ENGINEER	CHECK	MM
DATE	10/16/98	DRAWN	STAN POLASIK
APPROVED	DATE	QUANT.	CHECK
SECTION	MANAGER		
1-15 CORRIDOR RECONSTRUCTION		CORRIDOR STANDARD PLAN	
COPING DETAILS AT BRIDGES		PROJECT NUMBER #SP-15-7(135)296	
SALT LAKE COUNTY		DWG. NO. CS-54-9	
SHT. _____		OF _____	

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WASATCH CONSTRUCTORS
 AUG 05 1998
 RELEASED FOR CONSTRUCTION

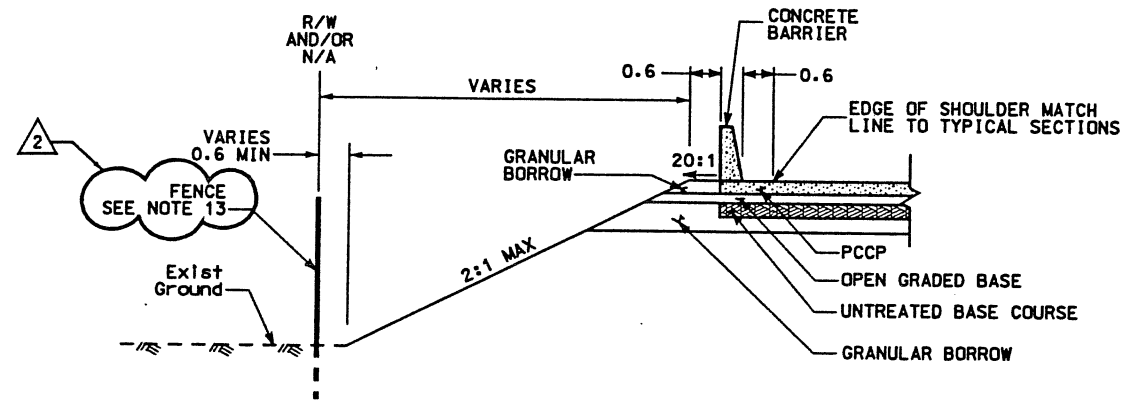


MSE TWO STAGE WALL-SECTIONS
SPUI OVERPASS

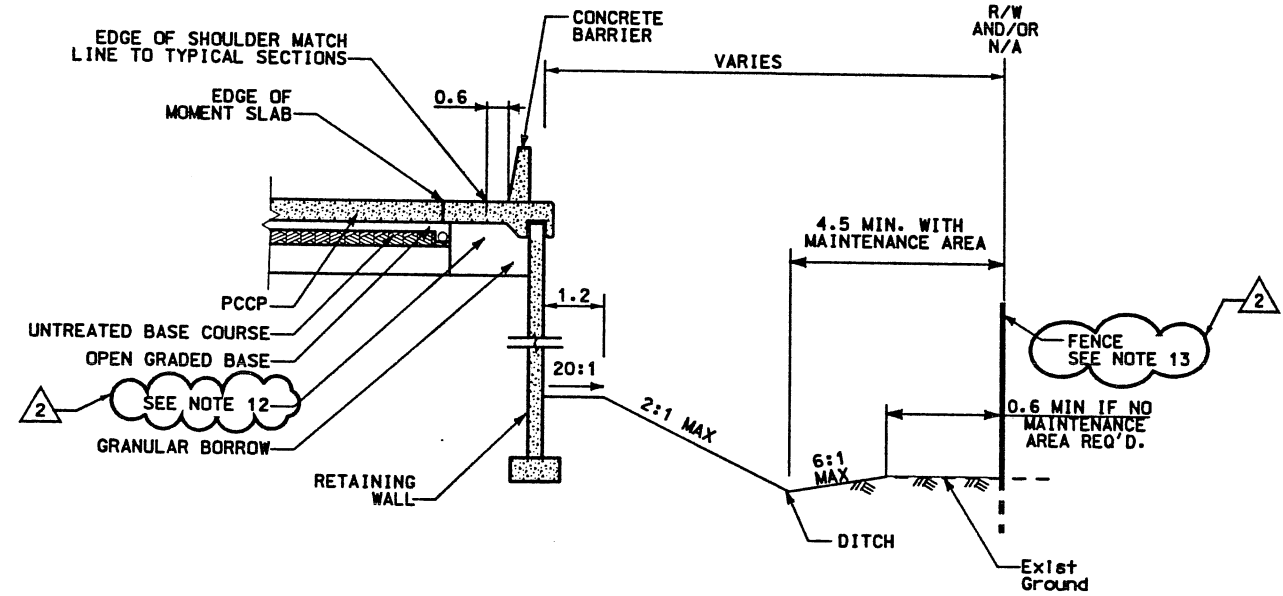
NOTE:
 1) ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.

APPROVED FOR CONSTRUCTION		DESCRIPTION	
NO.	DATE	NO.	DATE
1	07/24/98	ORIGINAL ISSUE	
UTAH DEPARTMENT OF TRANSPORTATION			
SVERDRUP/DE LEUW			
APPROVAL RECORD	DESIGN SDP	CHECK	DATE
MITCH BALLE	08/98	NN	08/98
PROJECT DESIGN ENGINEER	DATE	DRAWN	QUANT.
STAN POLASIK	DATE	SECTION MANAGER	
I-15 CORRIDOR RECONSTRUCTION			
COPING DETAILS AT BRIDGE			
CORRIDOR STANDARD PLAN			
PROJECT NUMBER #SP-15-7(135)296			
SALT LAKE COUNTY			
DWG. NO. CS-54-10			
SHT.	OF		

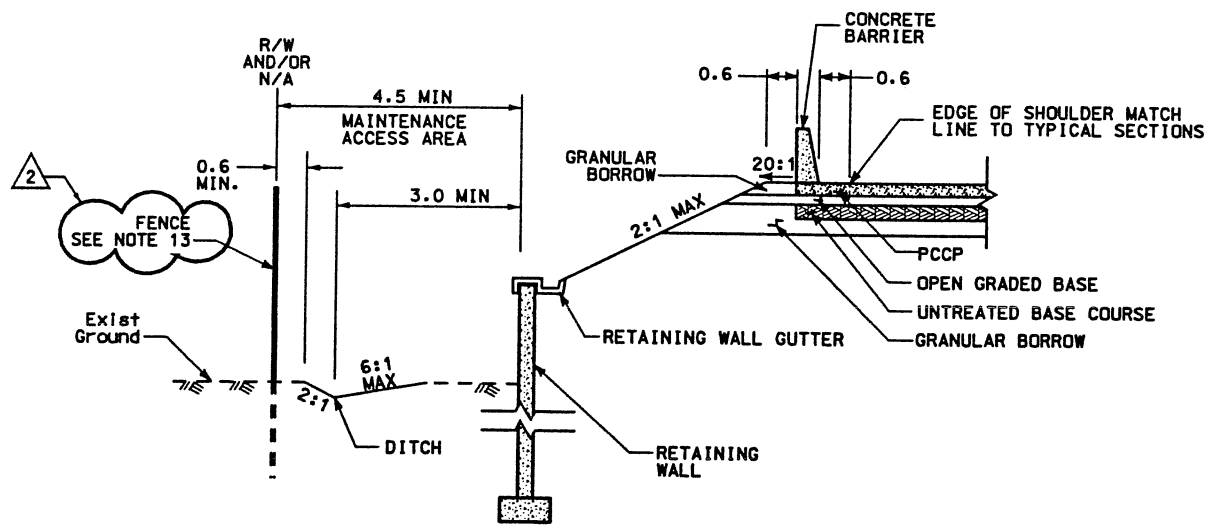
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SIDE SLOPE TREATMENT "A"
NTS



SIDE SLOPE TREATMENT "C"
NTS

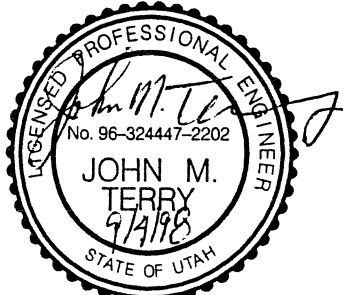


SIDE SLOPE TREATMENT "B"
NTS

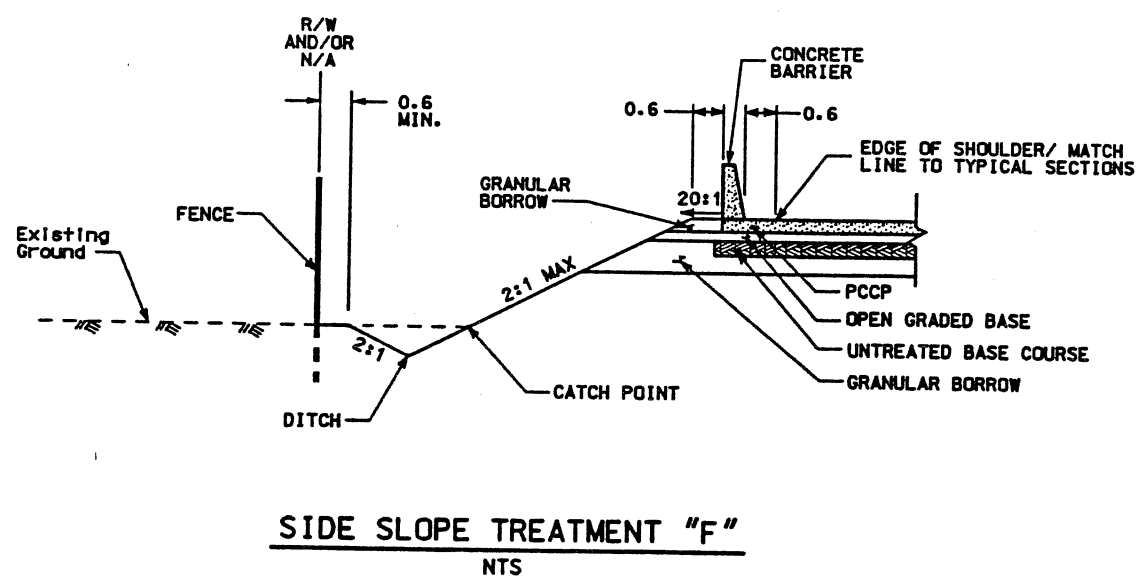
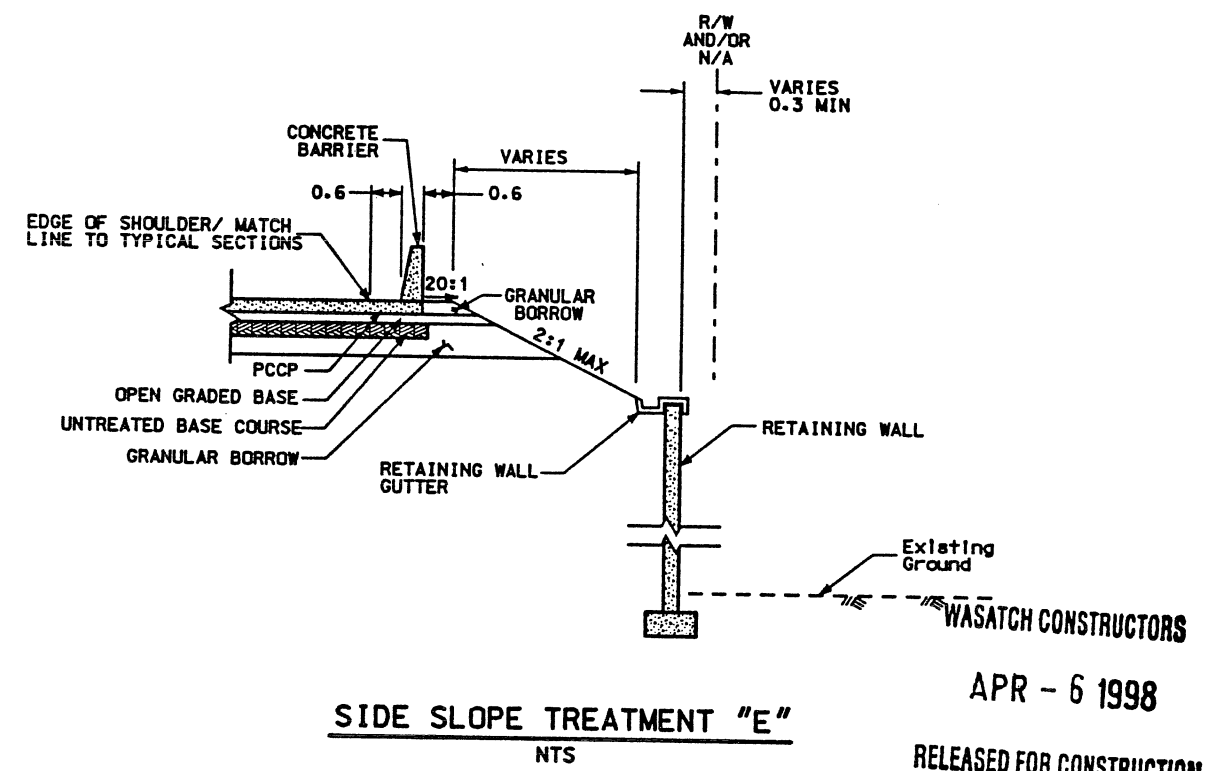
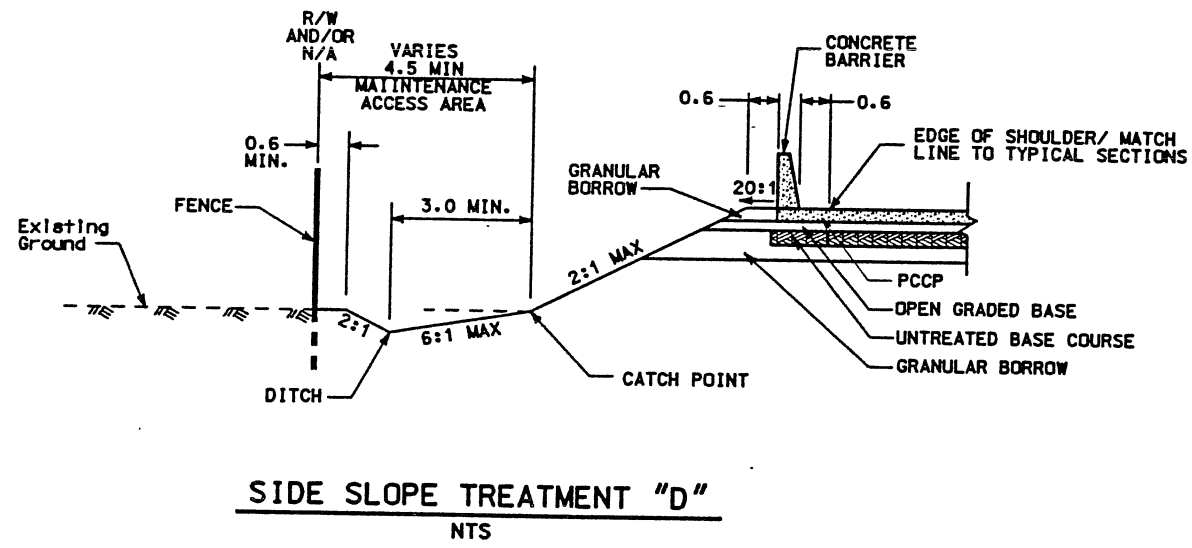
WASATCH CONSTRUCTORS
 SEP 11 1998
 RELEASED FOR CONSTRUCTION

NOTES:

- 1) FOR LOCATION OF BARRIER AND EDGE OF MOMENT SLAB, SEE PLAN SHEETS. FOR TOTAL WIDTH OF PAVED ROADWAY REQUIRED SEE PLAN SHEETS.
- 2) SEE WALL SITUATION & LAYOUT SHEETS FOR FURTHER DETAILS.
- 3) SEE GRADING PLANS, TYPICAL SECTIONS AND CROSS SECTIONS FOR ACTUAL SLOPE VALUES IN A SPECIFIC AREA.
- 4) FOR EXACT LOCATION OF FENCE SEE PLAN SHEETS.
- 5) ALL SLOPES SHOWN HORIZONTAL TO VERTICAL.
- 6) FOR DITCHES SEE DRAINAGE PLANS AND GRADING PLANS.
- 7) ALL DIMENSIONS IN METERS UNLESS OTHERWISE NOTED.
- 8) ROUND SLOPES PER UDOT STANDARD DRAWING 815-01 AS ROW PERMITS.
- 9) SEE EDGE DRAIN PLANS FOR EDGE DRAIN LOCATIONS AND CS 60 AND 61 EDGE DRAINS DETAILS WITHIN OPEN GRADED BASE.
- 10) MATCH ROADWAY CROSS SLOPE.
- 11) CONTRACTOR MAY EXTEND UNTREATED BASE COURSE TO DAYLIGHT. CONTRACTOR MAY USE OPEN GRADED BASE IN LIEU OF GRANULAR BORROW FOR SHOULDERING UP ROADWAY.
- 12) UNTREATED BASE COURSE OR MSE BACKFILL MATERIAL IS ACCEPTABLE FOR FULL DEPTH OF PAVEMENT SECTION UNDER MOMENT SLABS.
- 13) PLACE 1.8m CHAIN LINK FENCE 0.3m INSIDE PROPOSED (NEW) R/W AND OR N/A LINES PER UDOT STD DWG NO 720. REPLACE EXISTING FENCE WITH NEW 1.8m CHAIN LINK FENCE IN SAME LOCATION AT ALL OTHER LOCATIONS. SEE ROADWAY PLANS.



APPROVED FOR CONSTRUCTION		DESCRIPTION	
NO.	DATE	3/78	ORIGINAL ISSUE
1	09/04/98	09/04/98	ADDED NOTES 12 AND 13
UTAH DEPARTMENT OF TRANSPORTATION		SVERDRUP/DE LEUW	
DESIGN	LT	08/04/98	CHECK
DRAWN	MM	08/04/98	CHECK
QUANT.	M/A		CHECK
APPROVAL REGIONAL	DATE	08/27/98	LOLENE TERRY
APPROVED	DATE	08/27/98	JOHN TERRY
			SECTION MANAGER
I-15 CORRIDOR RECONSTRUCTION	TYPICAL SIDE SLOPE DETAILS	CORRIDOR STANDARD PLAN	
PROJECT NUMBER		#SP-15-7(135)296	
SALT LAKE COUNTY		DWG. NO. CS-55	
SHT.	9		



- NOTES:**
- 1 FOR LOCATION OF BARRIER AND EDGE OF MOMENT SLAB, SEE PLAN SHEETS. FOR TOTAL WIDTH OF PAVED ROADWAY REQUIRED SEE PLAN SHEETS.
 - 2 SEE WALL SITUATION & LAYOUT SHEETS FOR FURTHER DETAILS.
 - 3 SEE GRADING PLANS, TYPICAL SECTIONS AND CROSS SECTIONS FOR ACTUAL SLOPE VALUES IN A SPECIFIC AREA. IF NO VALUE IS GIVEN SLOPE MAXIMUM IS 3:1.
 - 4 FOR EXACT LOCATION OF FENCE SEE PLAN SHEETS.
 - 5 ALL SLOPES SHOWN HORIZONTAL TO VERTICAL.
 - 6 FOR DITCHES SEE DRAINAGE PLANS AND GRADING PLANS.
 - 7 ALL DIMENSIONS IN METERS UNLESS OTHERWISE NOTED.
 - 8 ROUND SLOPES PER UDOT STANDARD DRAWING 815-01 AS ROW PERMITS.
 - 9 SEE EDGE DRAIN PLANS FOR EDGE DRAIN LOCATIONS AND CS 60 AND 61 EDGE DRAIN DETAILS WITHIN OPEN GRADED BASE.
 - 10 MATCH ROADWAY CROSS SLOPE.
 - 11 CONTRACTOR MAY EXTEND UNTREATED BASE COURSE TO DAYLIGHT. CONTRACTOR MAY USE OPEN GRADED BASE IN LIEU OF GRANULAR BORROW FOR SHOULDERING UP ROADWAY.

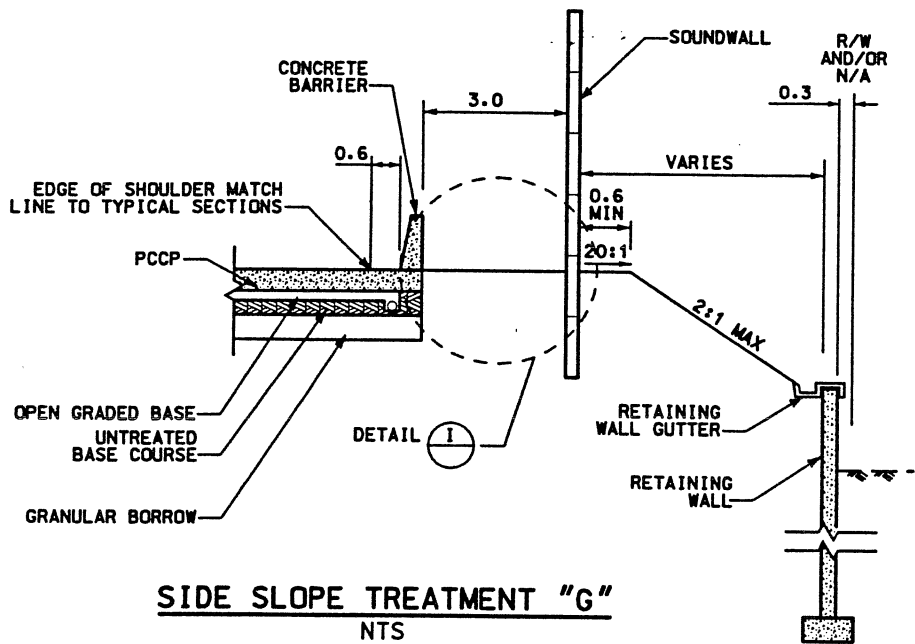


WASATCH CONSTRUCTORS
APR - 6 1998
RELEASED FOR CONSTRUCTION

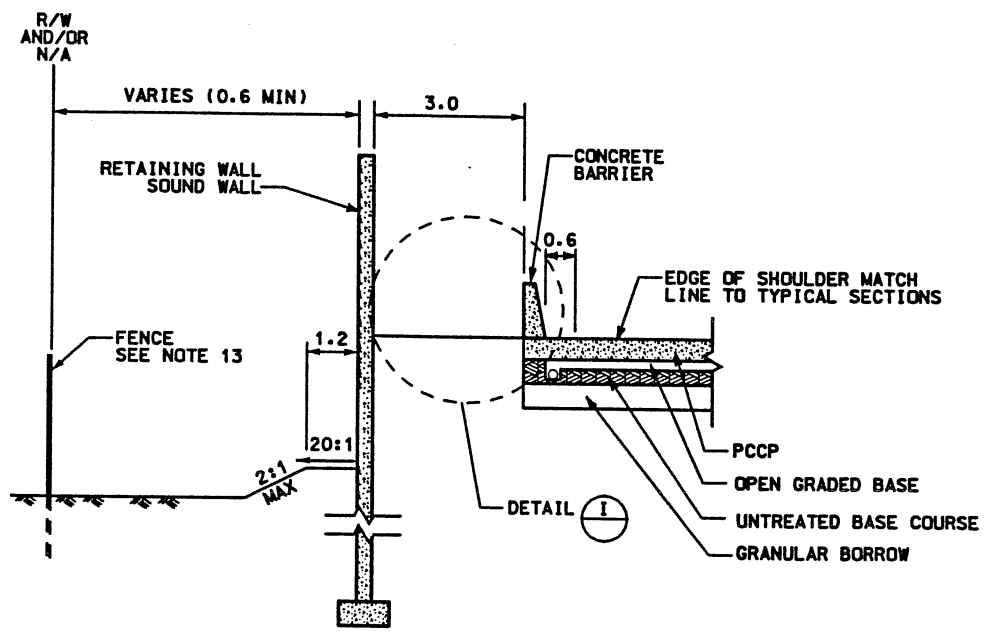
APPROVED FOR CONSTRUCTION		DESCRIPTION	
NO.	DATE	ORIGINAL ISSUE	
1	3/98		
UTAH DEPARTMENT OF TRANSPORTATION			
SVERDRUP/DE LEUW			
DESIGN	LT	B/VT	CHECK
DRAIN	MM	B/VT	CHECK
QUANT.	M/A		CHECK
APPROVAL RECORD	DATE	PROJECT DESIGN ENGINEER	
APPROVED	DATE	SECTION MANAGER	
I-15 CORRIDOR RECONSTRUCTION	CORRIDOR STANDARD PLAN		
PROJECT NUMBER #SP-15-7(135)296			
SALT LAKE COUNTY			
DWS. NO. CS-56			
SHT.	9		

Date: 10-NOV-1998 Time: 15:58 User: nmea/cr/beck

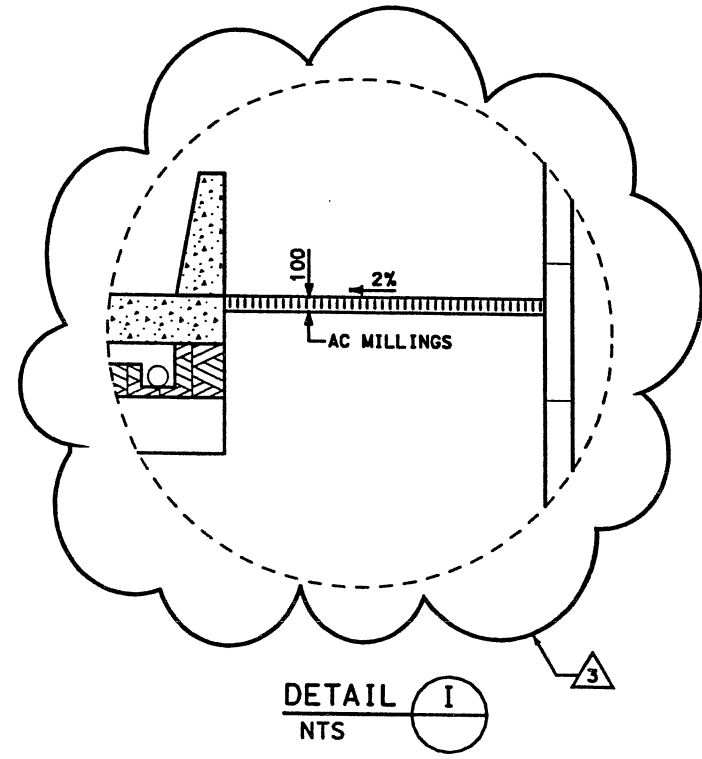
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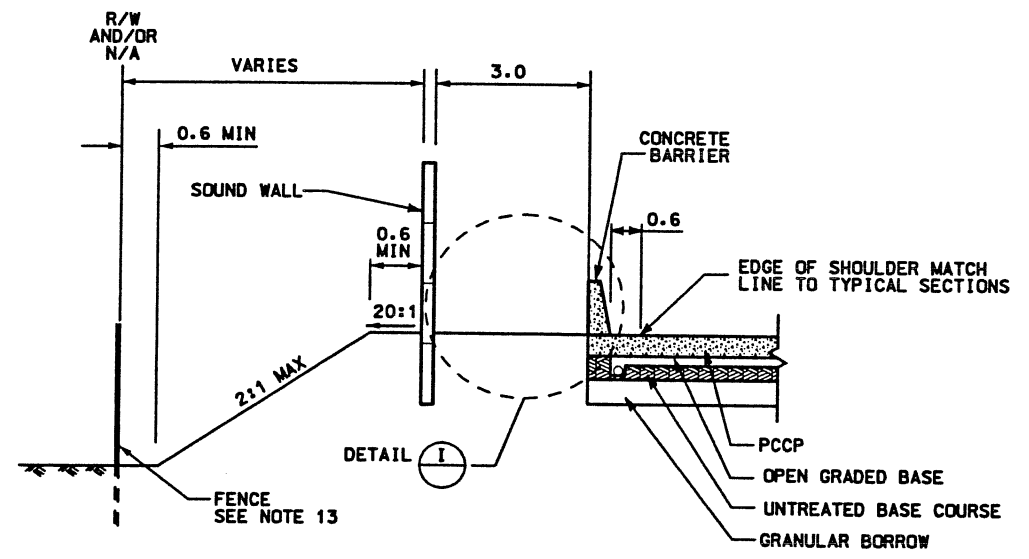
SIDE SLOPE TREATMENT "G"
NTS



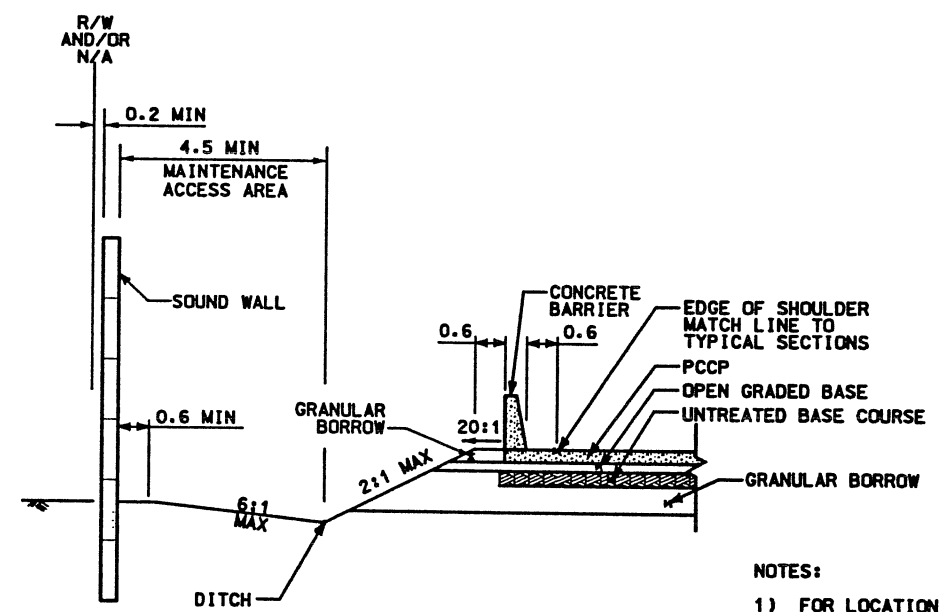
SIDE SLOPE TREATMENT "I"
NTS



DETAIL I
NTS



SIDE SLOPE TREATMENT "J"
NTS



SIDE SLOPE TREATMENT "K"
NTS

NOTES:

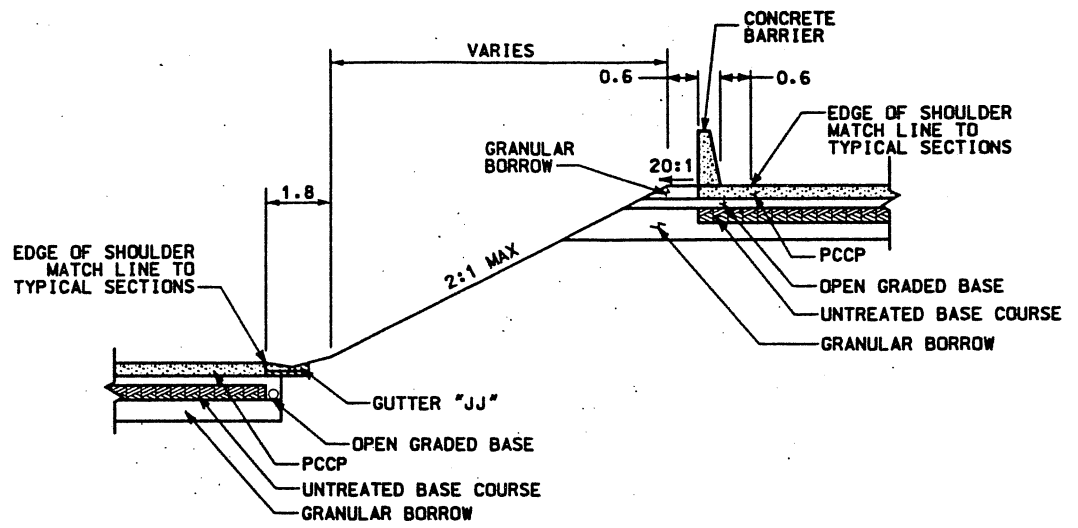
- 1) FOR LOCATION OF BARRIER AND EDGE OF MOMENT SLAB, SEE PLAN SHEETS. FOR TOTAL WIDTH OF PAVED ROADWAY REQUIRED SEE PLAN SHEETS.
- 2) SEE WALL SITUATION & LAYOUT SHEETS FOR FURTHER DETAILS.
- 3) SEE GRADING PLANS, TYPICAL SECTIONS AND CROSS SECTIONS FOR ACTUAL SLOPE VALUES IN A SPECIFIC AREA.
- 4) FOR EXACT LOCATION OF FENCE SEE PLAN SHEETS.
- 5) ALL SLOPES SHOWN HORIZONTAL TO VERTICAL.
- 6) FOR DITCHES SEE DRAINAGE PLANS AND GRADING PLANS.
- 7) ALL DIMENSIONS IN METERS UNLESS OTHERWISE NOTED.
- 8) ROUND SLOPES PER UDOT STANDARD DRAWING 815-01 AS ROW PERMITS.
- 9) SEE EDGE DRAIN PLANS FOR EDGE DRAIN LOCATIONS AND CS 60 AND 61 EDGE DRAINS DETAILS WITHIN OPEN GRADED BASE.
- 10) MATCH ROADWAY CROSS SLOPE.
- 11) CONTRACTOR MAY EXTEND UNTREATED BASE COURSE TO DAYLIGHT. CONTRACTOR MAY USE OPEN GRADED BASE IN LIEU OF GRANULAR BORROW FOR SHOULDERING UP ROADWAY.
- 12) UNTREATED BASE COURSE OR MSE BACKFILL MATERIAL ACCEPTABLE FOR FULL DEPTH OF PAVEMENT SECTION UNDER MOMENT SLABS.
- 13) PLACE 1.8m CHAIN LINK FENCE 0.3m INSIDE PROPOSED (NEW) R/W AND OR N/A LINES PER UDOT STD DWG. NO 720. REPLACE EXISTING FENCE WITH NEW 1.8m CHAIN LINK FENCE IN SAME LOCATION AT ALL OTHER LOCATIONS. SEE ROADWAY PLANS.



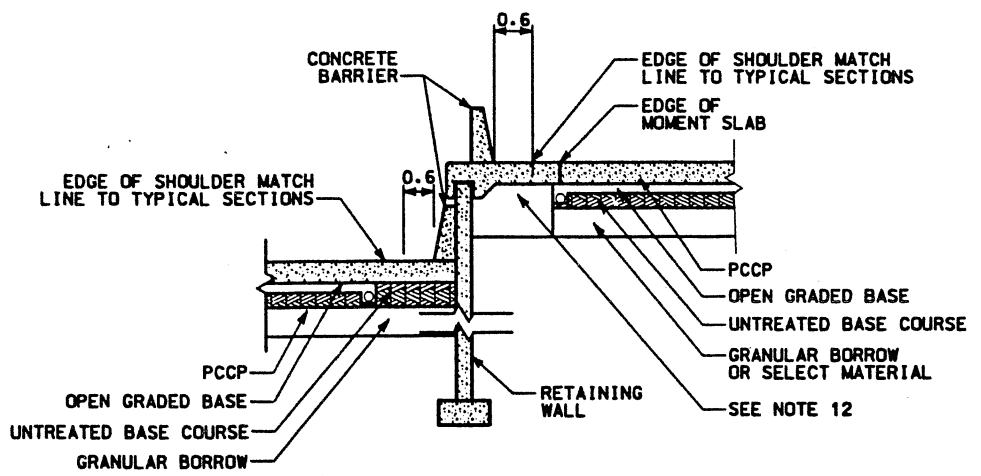
WASATCH CONSTRUCTORS
NOV 16 1998
RELEASED FOR CONSTRUCTION

APPROVED FOR CONSTRUCTION		DESCRIPTION	
NO.	DATE	NO.	DATE
1	3/98	1	3/98
2	06/04/98	2	06/04/98
3	11/10/98	3	11/10/98
ORIGINAL ISSUE		REVISED AC MILLING THICKNESS	
ADDED NOTE 12 AND 13. REVISED SHOULDER SURFACING			
I-15 CORRIDOR RECONSTRUCTION TYPICAL SIDE SLOPE DETAILS CORRIDOR STANDAR PROJECT NUMBER #SP-15-7(135)296			
SALT LAKE COUNTY			
DWG. NO. CS-57			
SHT. _____ OF _____			

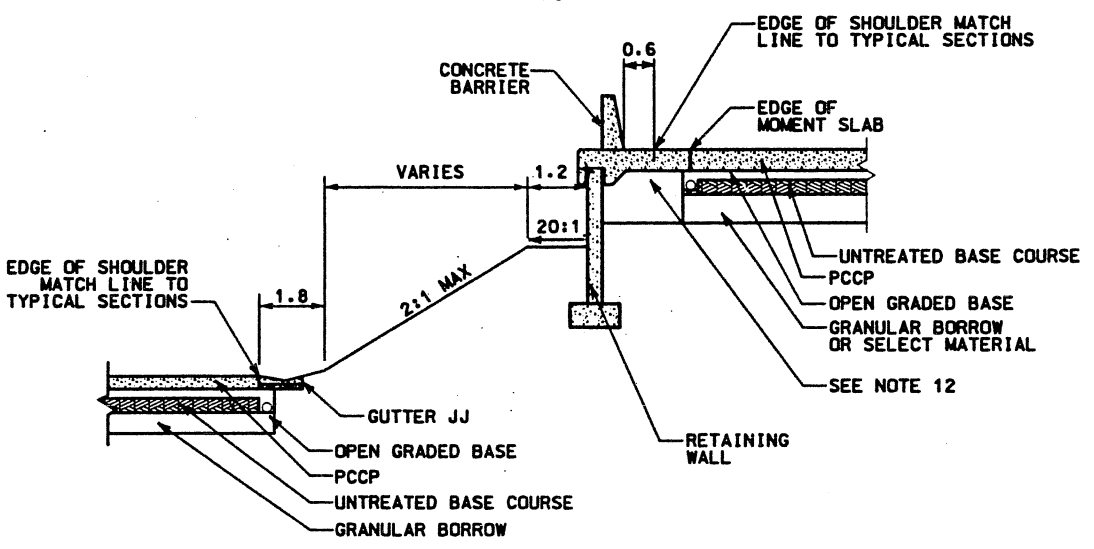
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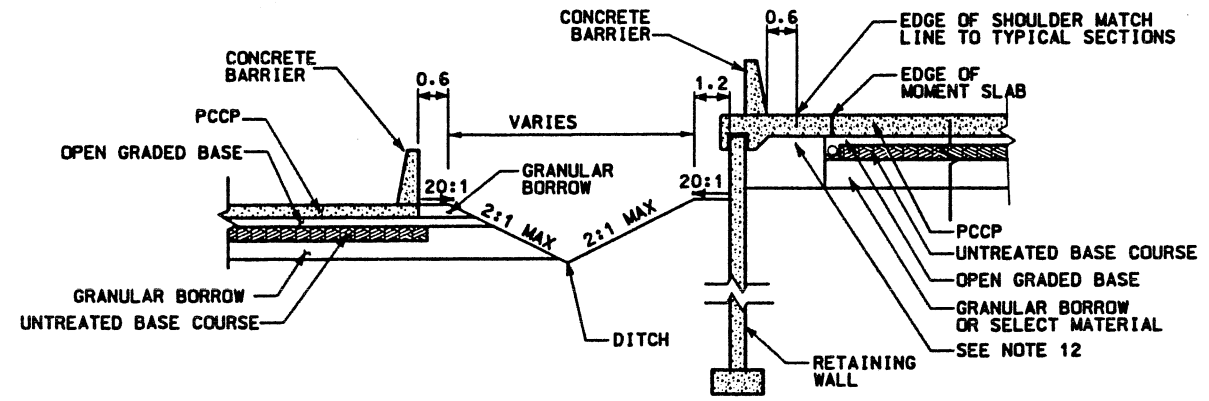
SIDE SLOPE TREATMENT "AA"
NTS



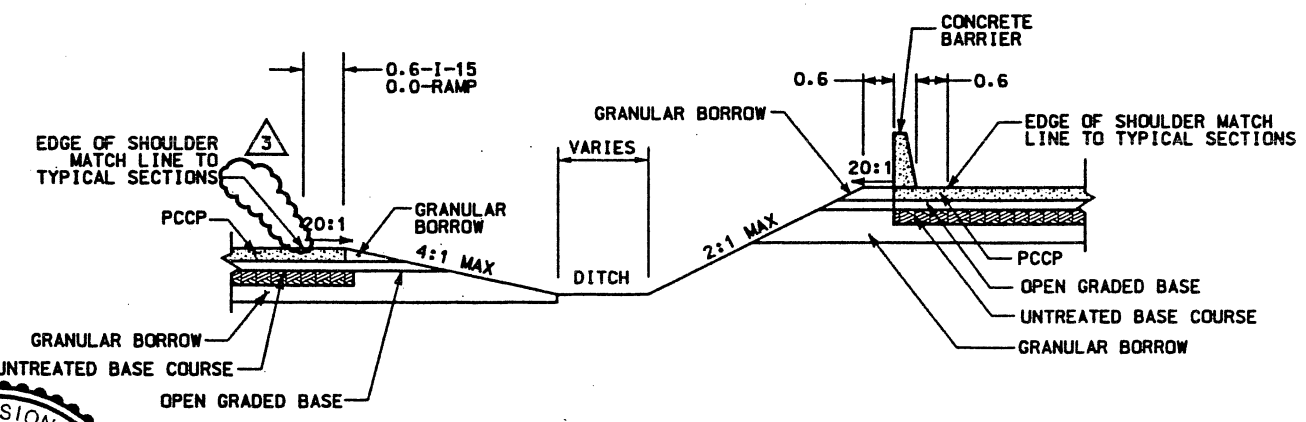
SIDE SLOPE TREATMENT "DD"
NTS



SIDE SLOPE TREATMENT "BB"
NTS

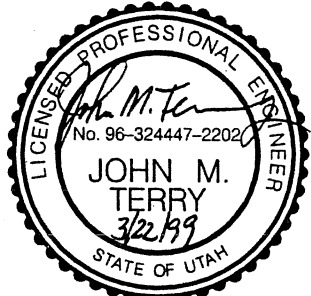


SIDE SLOPE TREATMENT "EE"
NTS



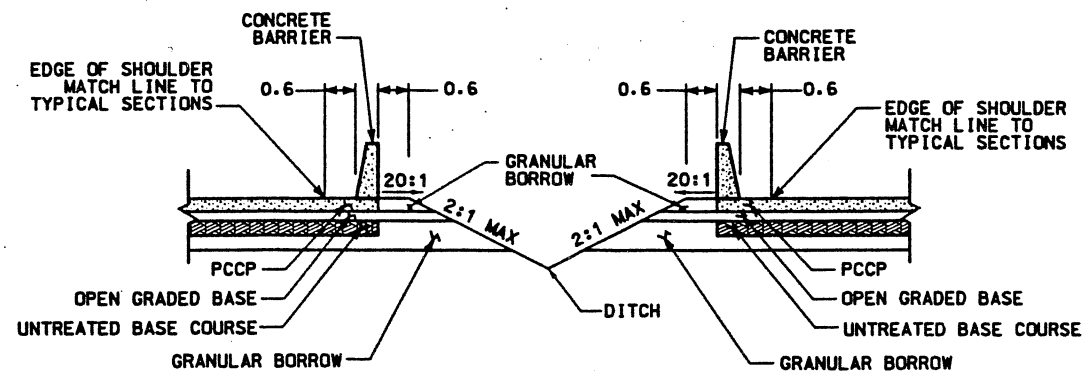
SIDE SLOPE TREATMENT "CC"
NTS

- NOTES:**
- 1) FOR LOCATION OF BARRIER AND EDGE OF MOMENT SLAB. SEE PLAN SHEETS. FOR TOTAL WIDTH OF PAVED ROADWAY REQUIRED SEE PLAN SHEETS.
 - 2) SEE WALL SITUATION & LAYOUT SHEETS FOR FURTHER DETAILS.
 - 3) SEE GRADING PLANS, TYPICAL SECTIONS AND CROSS SECTIONS FOR ACTUAL SLOPE VALUES IN A SPECIFIC AREA.
 - 4) FOR EXACT LOCATION OF FENCE SEE PLAN SHEETS.
 - 5) ALL SLOPES SHOWN HORIZONTAL TO VERTICAL.
 - 6) FOR DITCHES SEE DRAINAGE PLANS AND GRADING PLANS.
 - 7) ALL DIMENSIONS IN METERS UNLESS OTHERWISE NOTED.
 - 8) ROUND SLOPES PER UDOT STANDARD DRAWING 815-01 AS ROW PERMITS.
 - 9) SEE EDGE DRAIN PLANS FOR EDGE DRAIN LOCATIONS AND CS 60 AND 61 EDGE DRAINS DETAILS WITHIN OPEN GRADED BASE.
 - 10) MATCH ROADWAY CROSS SLOPE.
 - 11) CONTRACTOR MAY EXTEND UNTREATED BASE COURSE TO DAYLIGHT. CONTRACTOR MAY USE OPEN GRADED BASE IN LIEU OF GRANULAR BORROW FOR SHOULDERING UP ROADWAY.
 - 12) UNTREATED BASE COURSE OR MSE BACKFILL MATERIAL IS ACCEPTABLE FOR FULL DEPTH OF PAVEMENT SECTION UNDER MOMENT SLABS.

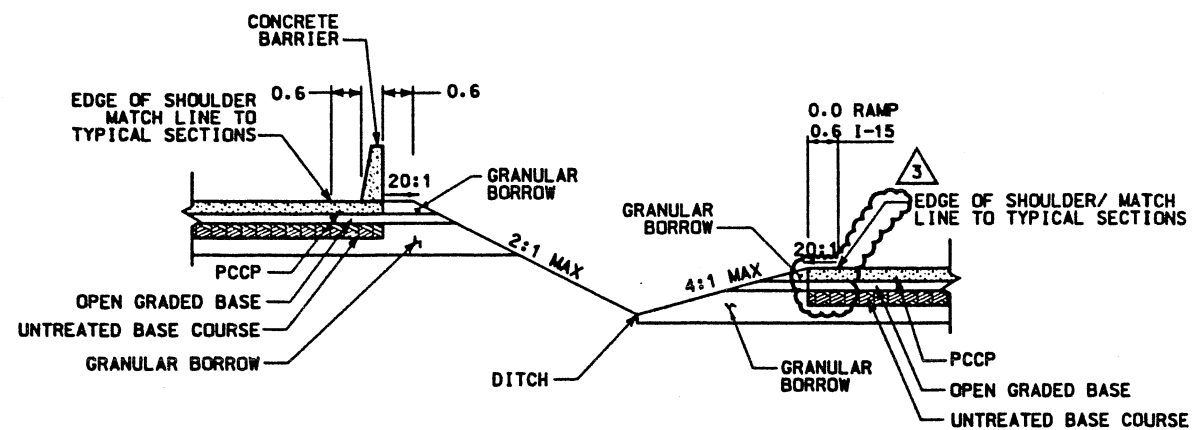


WASATCH CONSTRUCTORS
MAR 25 1999
 RELEASED FOR CONSTRUCTION

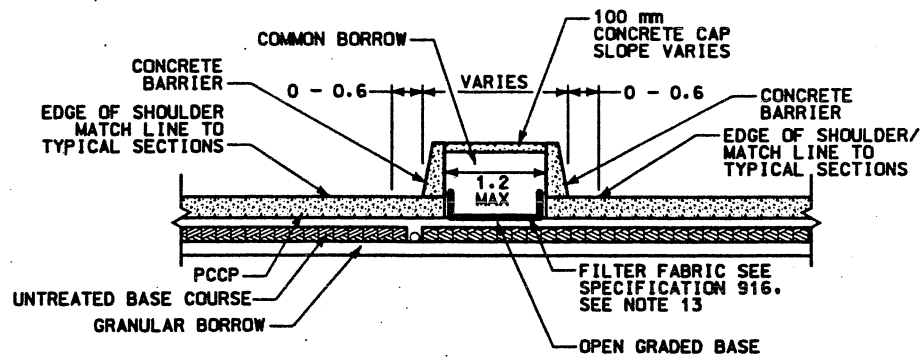
APPROVED FOR CONSTRUCTION		DESCRIPTION	
NO.	DATE	NO.	DATE
1	3/98	1	09/04/98
2	09/04/98	2	3/12/99
3	3/12/99	3	REVISOR PER RFI 5-0146
UTAH DEPARTMENT OF TRANSPORTATION			
SVERDRUP/DE LEUW		DESIGN	LT
LODGE TERRY	06/04/98	CHECK	06/04/98
PROJECT DESIGN ENGINEER		DRAWN	MM
JUDY TERRY	06/04/98	CHECK	06/04/98
SECTION ENGINEER		QUANT.	N/A
		CHECK	
I-15 CORRIDOR RECONSTRUCTION	TYPICAL SIDE SLOPE DETAILS	CORRIDOR STANDARD PLAN	PROJECT NUMBER #SP-15-7(135)296
SALT LAKE COUNTY			
DWG. NO. CS-58			
SHT. _____ OF _____			



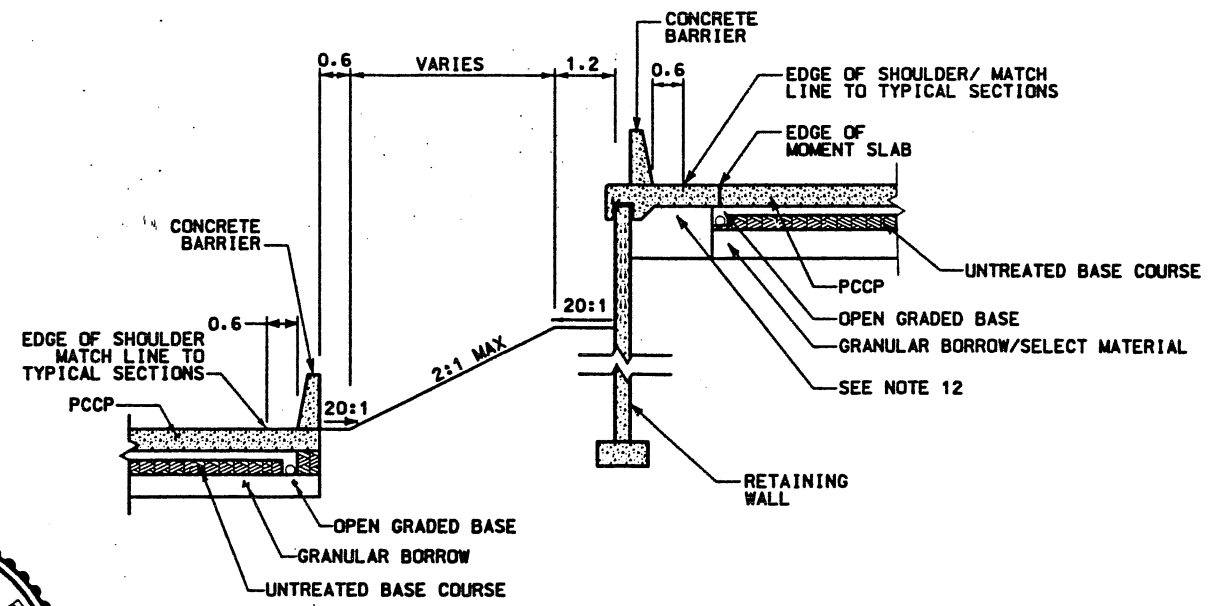
MEDIAN SLOPE TREATMENT "FF"
NTS



SIDE SLOPE TREATMENT "II"
NTS



MEDIAN SLOPE TREATMENT "GG"
NTS

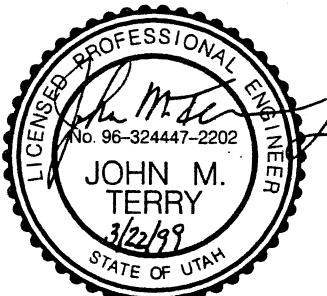


SIDE SLOPE TREATMENT "HH"
NTS

GUTTER "JJ" DETAIL MOVED TO SHEET CS-59-2

NOTES:

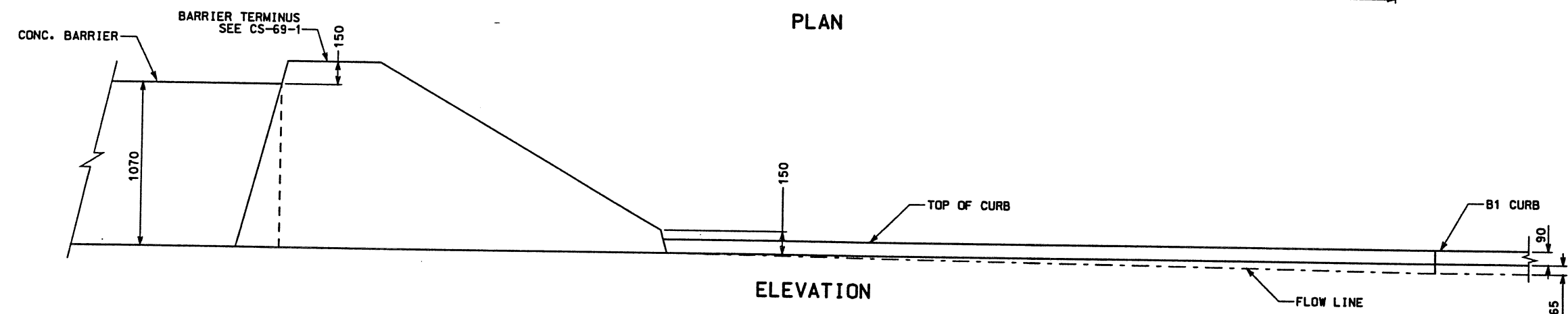
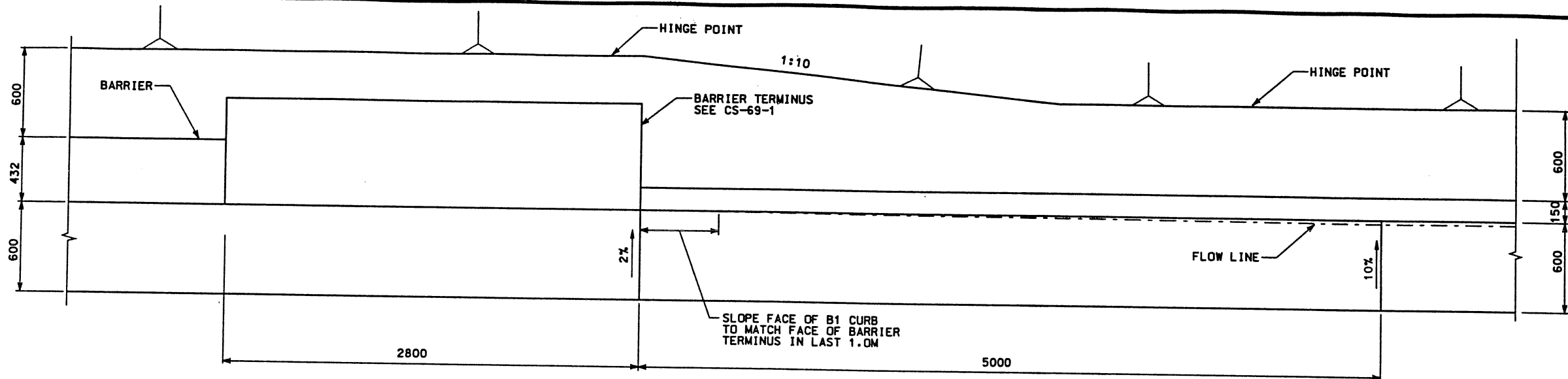
- 1) FOR LOCATION OF BARRIER AND EDGE OF MOMENT SLAB, SEE PLAN SHEETS. FOR TOTAL WIDTH OF PAVED ROADWAY REQUIRED SEE PLAN SHEETS.
- 2) SEE WALL SITUATION & LAYOUT SHEETS FOR FURTHER DETAILS.
- 3) SEE GRADING PLANS, TYPICAL SECTIONS AND CROSS SECTIONS FOR ACTUAL SLOPE VALUES IN A SPECIFIC AREA.
- 4) FOR EXACT LOCATION OF FENCE SEE PLAN SHEETS.
- 5) ALL SLOPES SHOWN HORIZONTAL TO VERTICAL.
- 6) FOR DITCHES SEE DRAINAGE PLANS AND GRADING PLANS.
- 7) ALL DIMENSIONS IN METERS UNLESS OTHERWISE NOTED.
- 8) ROUND SLOPES PER UDOT STANDARD DRAWING 815-01 AS ROW PERMITS.
- 9) SEE EDGE DRAIN PLANS FOR EDGE DRAIN LOCATIONS AND CS 60 AND 61 EDGE DRAINS DETAILS WITHIN OPEN GRADED BASE.
- 10) MATCH ROADWAY CROSS SLOPE.
- 11) CONTRACTOR MAY EXTEND UNTREATED BASE COURSE TO DAYLIGHT. CONTRACTOR MAY USE OPEN GRADED BASE IN LIEU OF GRANULAR BORROW FOR SHOULDERING UP ROADWAY.
- 12) UNTREATED BASE COURSE OR MSE BACKFILL MATERIAL IS ACCEPTABLE FOR FULL DEPTH OF PAVEMENT SECTION UNDER MOMENT SLABS.
- 13) EXTEND FILTER FABRIC VERTICALLY 150 MIN AND FIX TO PCCP AS REQUIRED.



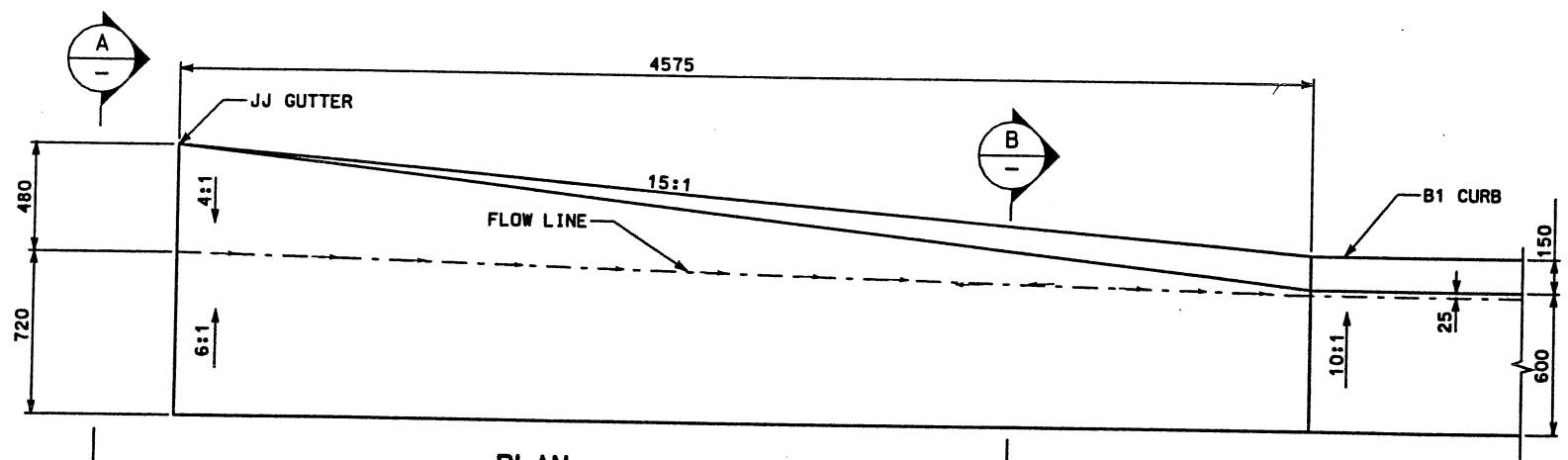
WASATCH CONSTRUCTORS
MAR 25 1999
RELEASED FOR CONSTRUCTION

APPROVED FOR CONSTRUCTION		DESCRIPTION	
NO.	DATE	DATE	DATE
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ORIGINAL ISSUE		ADDED NOTE 12 AND 13	
REVISED PER RFI 5-0146			
UTAH DEPARTMENT OF TRANSPORTATION			
SVERDRUP/DE LEUW		DESIGN LT	CHECK LT
		08/04/98	08/04/98
		DRAWN	CHECK
		08/04/98	08/04/98
		QUANT.	CHECK
		N/A	
1-15 CORRIDOR RECONSTRUCTION		CORRIDOR STANDARD PLAN	
TYPICAL SIDE SLOPE DETAILS		#SP-15-7(135)296	
SALT LAKE COUNTY			
DWG. NO. CS-59			
SHT. _____ OF _____			

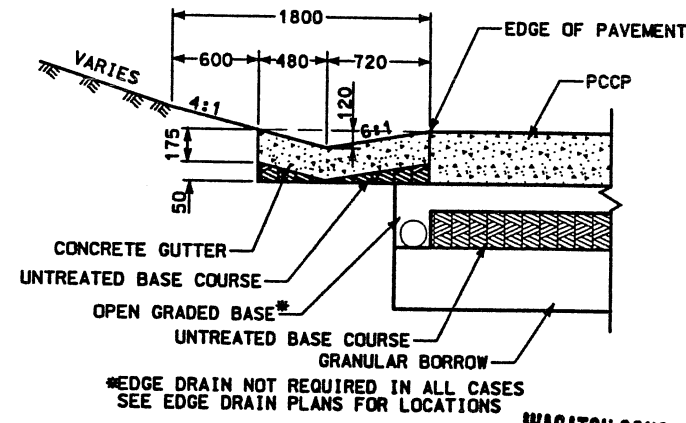
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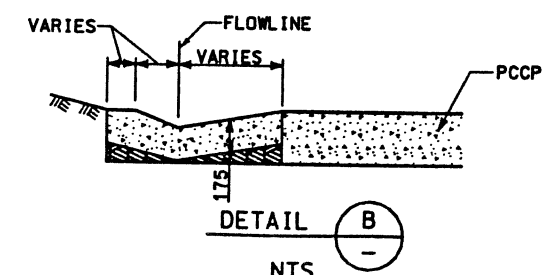
GUTTER TRANSITION CONCRETE BARRIER TO B1 CURB
NTS



GUTTER TRANSITION JJ CURB TO B1 CURB
NTS



GUTTER JJ DETAIL
NTS



(SEE SECTION A-A FOR DETAILS NOT SHOWN)



WASATCH CONSTRUCTORS
 SEP 11 1998
 RELEASED FOR CONSTRUCTION

APPROVED FOR CONSTRUCTION		DESCRIPTION	
NO.	DATE	NO.	DATE
1	09/04/98		
UTAH DEPARTMENT OF TRANSPORTATION		SVERDRUP/DE LEUW	
DESIGN	LT	09/04/98	CHECK
DRAWN	VL	09/04/98	CHECK
QUANT.	M/A		CHECK
APPROVAL RECORD:	DATE	BY	DATE
DESIGN	09/04/98	JOHN TERRY	09/04/98
PROJECT DESIGN ENGINEER		JOHN TERRY	
APPROVED	09/04/98	JOHN TERRY	09/04/98
SECTION MANAGER			
I-15 CORRIDOR RECONSTRUCTION		GUTTER TRANSITION DETAILS	
CORRIDOR STANDARD PLAN		PROJECT NUMBER #SP-15-7(135)296	
SALT LAKE COUNTY		DWC. NO. CS-59-2	
SHT. _____		OF _____	

