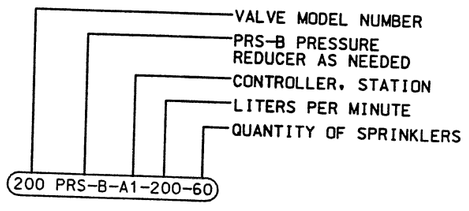
IRRIGATION LEGEND

SYMBOL	MODEL NUMBER	DESCRIPTION	SPRAY PATTERN	OP. PRESSURE (kPa)	DISCHARGE LPM	DISCHARGE LPH	RADIUS (M)	W X L (M)	REMARKS
———	(N.A.)	Sch. 40 PVC Main Line							Size as per plan
———	(N.A.)	Sch. 40 PVC Lateral Line							Size as per "Pipe Size Legend" this page
- - -	(N.A.)	Galvanized Pipe							As called out on plan
———	(N.A.)	200 mm Irrigation Sleeve							As called out on plan
M	(As per local code)	Water Meter							Installation shall comply with State and Local Codes. size as per plan.
	Febco 825-Y (Or as specified)	Backflow Preventer							Installation shall comply with State and Local Codes. size as per plan.
	Febco 650-Y (Or as specified)	"Y" Strainer							Size as per reduced presure backflow preventor
	Rainbird 44RC (44K Key)	Quick Coupling Valve W/ Male Key							
	Wilkins 600HR	Pressure Reducer							Size as per plan.
P.O.C.	(N.A.)	Point of Connection							Installation shall comply with State and Local Codes
	(As per local code)	Stop & Waste							Installation shall comply with State and Local Codes. size as per plan.
	Nibco T-113	Gate Valve							Size as per plan/or equal to pipe size on plan
	Matco 770	Ball Valve							Size as per plan/or equal to pipe size on plan
	Rainbird PEB Series Remote Control Valve (Rainmaster Evolution DX2 Series)	Remote Control Valve							Size as per plan.
	Rainbird 1804 - 10H	Controller							Controller to be placed in an enclosure assembly. size as per plan.
	Rainbird 1804 - 100	Pop-up Spray Head	strip	207	2.99	179.4	3	-	
	Rainbird 1804 - 15EST	Pop-up Spray Head	strip	207	1.48	88.8	3	-	
	Rainbird 1804 - 15SST	Pop-up Spray Head	strip	207	2.31	138.6	-	1.5x4.5	
	Rainbird PA-8S-8Q-PCS-020	Shrub Adapter Spray Head	strip	207	4.58	274.8	-	1.5x9	
	Rainbird 1812 - 10Q	Pop-up Spray Head	quarter	207	.60	36.0	-	-	
	Rainbird 1812 - 10H	Pop-up Spray Head	quarter	207	1.48	88.8	3	-	
	Hunter I-10-ADV-3.0	Adjustable Rotor Head	half	207	2.99	179.4	3	-	
	Hunter I-10-ADV-1.5	Adjustable Rotor Head	adj	345	10.2	612	12.2	-	Use when pattern is half or greater 180d <
	Hunter I-10-36V-3.0	Full Rotor Head	adj	345	6.1	366	10.4	-	Use when pattern is less than half 180d >
	Hunter I-10-ADV-2.0LA	Adjustable Rotor Head	full	345	10.2	612	12.2	-	
	Hunter I-10-36V-2.0LA	Full Rotor Head	adj	345	7.9	474	8.5	-	
			full	345	7.9	474	8.5	-	

PIPE SIZE CHART

LATERAL PIPE SIZING CHART FOR ROTOR AND SPRAY HEADS		
LPM	PIPE SIZE	PIPE SIZE
0-30	19 mm	3/4"
30-45	25 mm	1"
45-83	32 mm	1 1/4"
83-114	38 mm	1 1/2"
114-189	50 mm	2"
189-265	65 mm	2 1/2"
265-416	76 mm	3"

VALVE CODE



ABBREVIATIONS

F= FULL CIRCLE
P= PART CIRCLE
Q= QUARTER CIRCLE
H= HALF CIRCLE
LA= LOW ANGLE
SST= SIDE STRIP
EST= END STRIP
W= WIDTH OF COVERAGE
L= LENGTH OF COVERAGE

M= METERS
mm= MILLIMETERS
LPM= LITERS PER MINUTE
LPH= LITERS PER HOUR
kPa= KILOPASCAL
ADJ= ADJUSTABLE
PVC= POLY VINYL CHLORIDE
PCS= PRESSURE COMPENSTATING SCREEN
OP. PRESSURE= OPERATING PRESSURE

WASATCH CONSTRUCTORS

NOV 25 1998

RELEASED FOR CONSTRUCTION

LICENSED LANDSCAPE ARCHITECT No. 108206 JOHN C. MAAS 11-17-98 STATE OF UTAH

LICENSED LANDSCAPE ARCHITECT No. 108106 J. BRUCE JORGENSEN 11-17-98 STATE OF UTAH

APPROVED FOR CONSTRUCTION

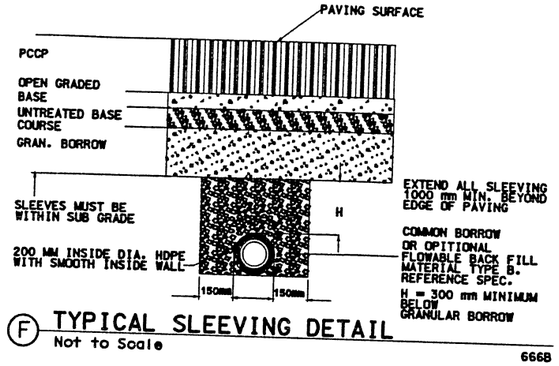
NO.	DATE	DESCRIPTION
2	5/1/98	Release for construction
3	11/12/98	Controller Change PCO 0139

UTAH DEPARTMENT OF TRANSPORTATION
ASWN INC./OSBS ARCHITECTS
SVERDRUP/DE LEUW

DESIGN JRB/RES 5/98 CHECK
DRAWN JJH/JJS 5/98 CHECK
QUANT. CHECK

APPROVAL RECOMM. J. BRUCE JORGENSEN / JOHN MAAS — PROJECT DESIGN ENGINEER — DATE
APPROVED ROBERT HOSLER — SECTION MANAGER — DATE

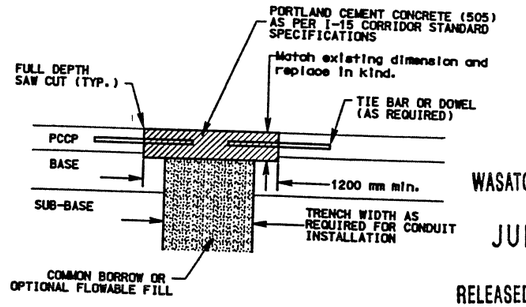
I-15 CORRIDOR RECONSTRUCTION
IRRIGATION LEGEND
STANDARD CORRIDOR PLAN
PROJECT NUMBER *SP-15-7(135)296
SALT LAKE COUNTY
DWG. NO. CS-140-1



(F) TYPICAL SLEEVING DETAIL

Not to Scale

6668



WASATCH CONSTRUCTORS

JUN - 3 1998

RELEASED FOR CONSTRUCTION

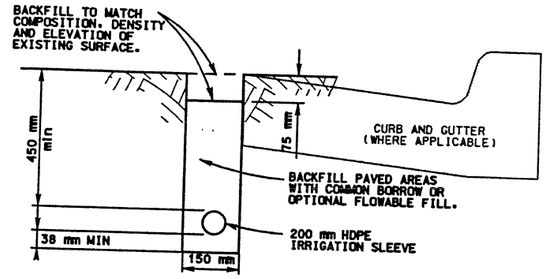
NOTES

1. ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. SEE ALSO STD. DWG. NO. 450-2 "CONCRETE PAVEMENT DETAILS FOR URBAN AND INTERSTATE" SEE STD. DWG. NO. 615-1B FOR LOGINTUDINAL TRENCHING ADJACENT TO CURB AND GUTTER.
3. THIS DETAIL APPLIES TO EXISTING ARTERIAL (SURFACE) STREETS ONLY. NEW FREEWAY AND FREEWAY RAMP PAVEMENT SHALL NOT BE OPEN CUT.
4. MATCH ONE SIDE OF SAW CUT TO NEAREST CONTROL JOINT OF EXISTING CONCRETE PAVEMENT.
5. WHEN NOT IN UDOT RIGHT-OF WAY CONTACT LOCAL JURISDICTION AT THE TIME OF PERMIT FOR EXACT DETAIL AND REQUIREMENTS.
6. Minimum requirement is to replace in kind.

(D) RESTORATION OF PORTLAND CEMENT CONCRETE PAVEMENT

Not to Scale

662



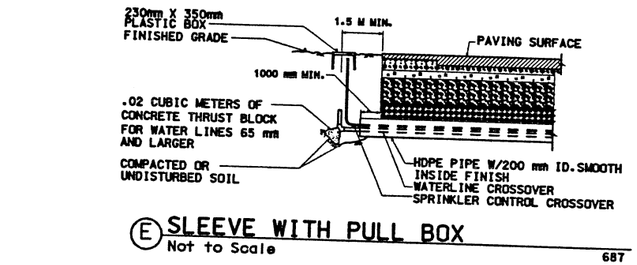
NOTES

1. ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. SEE ALSO STD. DWG. NO. 450-2 "CONCRETE PAVEMENT DETAILS FOR URBAN AND INTERSTATE" SEE STD. DWG. NO. 615-1B FOR LOGINTUDINAL TRENCHING ADJACENT TO CURB AND GUTTER.
3. THIS DETAIL APPLIES TO EXISTING ARTERIAL (SURFACE) STREETS ONLY. NEW FREEWAY AND FREEWAY RAMP PAVEMENT SHALL NOT BE OPEN CUT.
4. SAW CUT JOINTS TO RE-ESTABLISH THE JOINT PATTERN TO MATCH EXISTING CONCRETE PAVEMENT.
5. WHEN NOT IN UDOT RIGHT-OF WAY CONTACT LOCAL JURISDICTION AT THE TIME OF PERMIT FOR EXACT DETAIL AND REQUIREMENTS.
6. MINIMUM REQUIREMENT IS TO REPLACE IN KIND.
7. FOR SLEEVE SECTION UNDER CURB, MATCH ONE SIDE OF SAW TO NEAREST CONTROL JOINT OF EXISTING CURB AND GUTTER

(B) IRRIGATION SLEEVE PLACEMENT DETAIL

Not to Scale

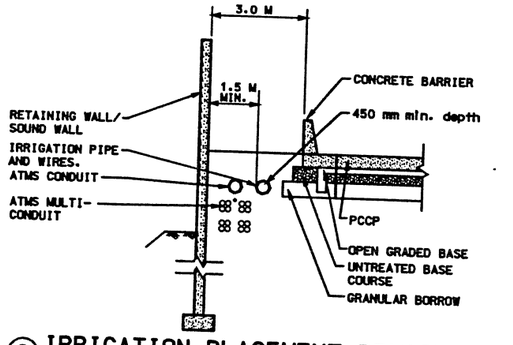
663



(E) SLEEVE WITH PULL BOX

Not to Scale

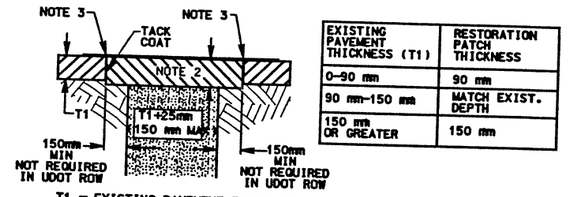
687



(C) IRRIGATION PLACEMENT DETAIL

Not to Scale

669



EXISTING PAVEMENT THICKNESS (T1)	RESTORATION PATCH THICKNESS
0-90 mm	90 mm
90 mm-150 mm	MATCH EXIST. DEPTH
150 mm OR GREATER	150 mm

T1 = EXISTING PAVEMENT THICKNESS

NOTES

1. TRENCH BACKFILL: SEE I-15 CORRIDOR STANDARD SPEC'S DIV (300)
2. ASPHALT CONCRETE PAVEMENT (400) I-15 CORRIDOR STANDARD SPEC'S
3. RUBBERIZED JOINT/CRACK SEALANT: INSTALL AT DIRECTION OF WASATCH CONSTRUCTORS PROJECT ENGINEER.
4. WHEN NOT IN UDOT RIGHT-OF WAY CONTACT LOCAL JURISDICTION AT THE TIME OF PERMIT FOR EXACT DETAIL AND REQUIREMENTS.
5. THIS DETAIL APPLIES TO EXISTING ARTERIAL (SURFACE) STREETS ONLY. NEW FREEWAY AND FREEWAY RAMP PAVEMENT SHALL NOT BE OPEN CUT.
6. MINIMUM REQUIREMENT IS TO REPLACE IN KIND.

(A) RESTORATION OF ASPHALT PAVEMENT

Not to Scale

661

LICENSED LANDSCAPE ARCHITECT No. 102286 BRUCE JORGENSEN 10-1-98 STATE OF UTAH

LICENSED LANDSCAPE ARCHITECT No. 102286 JOHN C. MAAS 10-1-98 STATE OF UTAH

APPROVED FOR CONSTRUCTION

NO.	DATE	DESCRIPTION
2	3/20/98	Release for sleeve construction
3	5/1/98	Release for construction

UTAH DEPARTMENT OF TRANSPORTATION

GSBS/ASWN

SVERDRUP/DE LEUW

	NAME	DATE
DESIGN	J. BRUCE JORGENSEN / JOHN MAAS	11/97
DRAWN	JJH/JJS	5/98
QUANT.		
APPROVAL RECOMM.	PROJECT DESIGN ENGINEER	DATE
APPROVED	ROBERT HOSLER, SECTION MANAGER	11/97

CHECK JRB/RES 5/98 | CHECK JJH/JJS 5/98 | CHECK

TRACKING NUMBER

I-15 CORRIDOR RECONSTRUCTION

IRRIGATION DETAILS

CORRIDOR STANDARD PLAN

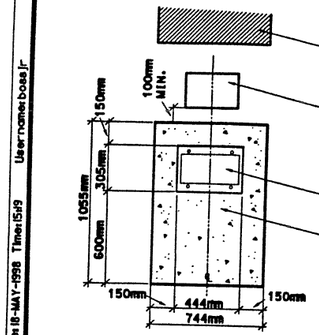
PROJECT NUMBER *SP-15-7(135)296

SALT LAKE COUNTY

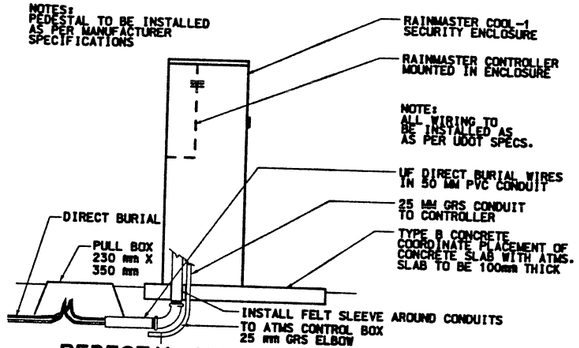
DWG. NO. CS-140-2

Filenames on \dgn\115_code\std_dgn\landscape\cs-140-2.dgn

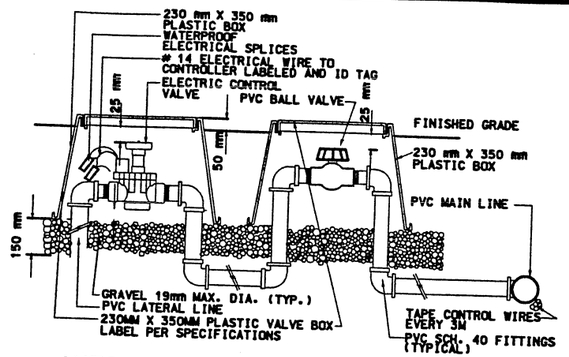
Date: 06-MAY-1998 Time: 15:02 Username: greendb



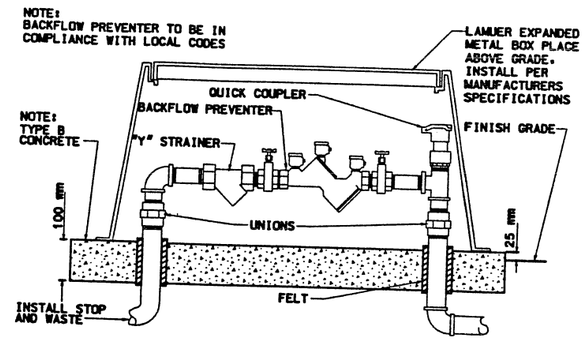
(L) CONCRETE SLAB FOR CONTROLLER
Not to Scale
690b



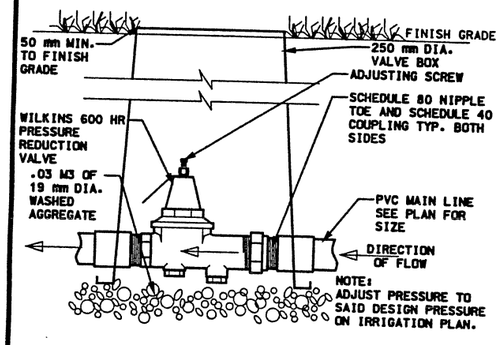
(J) PEDESTAL MOUNTED CONTROLLER
Not to Scale
668C



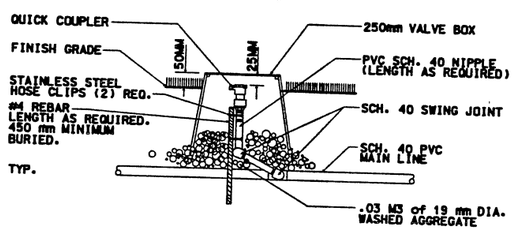
(G) AUTOMATIC CONTROL VALVE ASSEMBLY
Not to Scale
670A



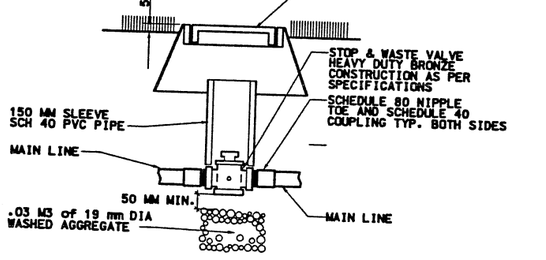
(D) BACKFLOW PREVENTER
Not to Scale
666



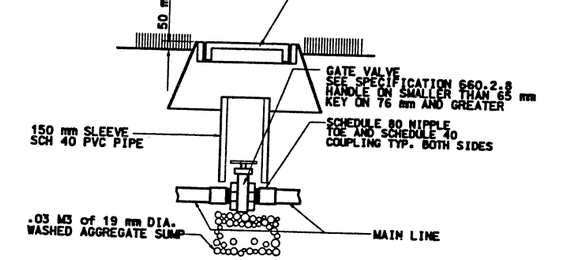
(K) PRESSURE REDUCING VALVE
Not to Scale
665a



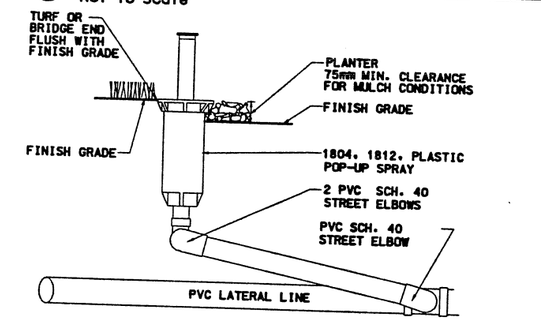
(I) QUICK COUPLER VALVE
Not to Scale
688



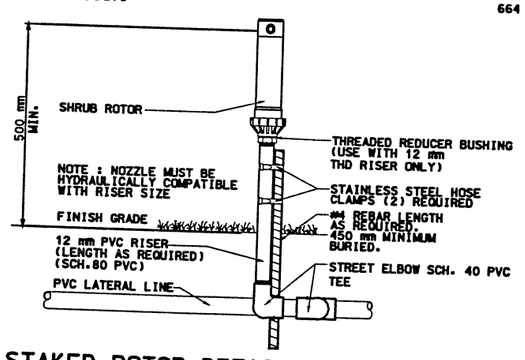
(F) STOP & WASTE VALVE
Not to Scale
664



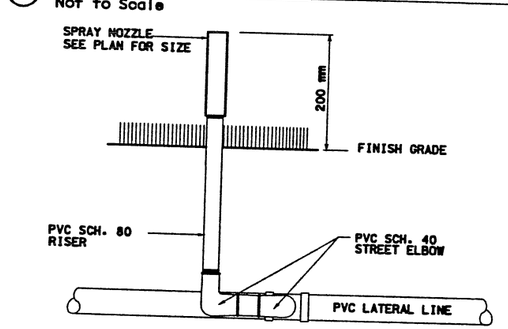
(C) GATE VALVE
Not to Scale
664A



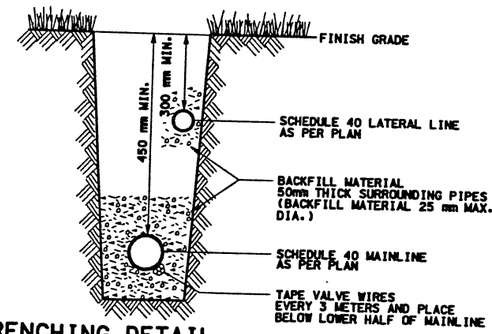
(H) POP-UP SPRINKLER DETAIL
Not to Scale
680



(E) STAKED ROTOR DETAIL
Not to Scale
681A



(B) SPRAY/SHRUB HEAD DETAIL
Not to Scale
680A



(A) TRENCHING DETAIL
Not to Scale

LICENSED LANDSCAPE ARCHITECT No. 102206 JOHN C. MAAS 5.26.98 STATE OF UTAH

LICENSED LANDSCAPE ARCHITECT No. 102206 JOHN C. MAAS 5.26.98 STATE OF UTAH

WASATCH CONSTRUCTORS

JUN - 3 1998

RELEASED FOR CONSTRUCTION

APPROVED FOR CONSTRUCTION

NO.	DATE	DESCRIPTION
1	3/20/98	Release for sleeve construction
2	5/1/98	Release for construction

UTAH DEPARTMENT OF TRANSPORTATION
GSBS/ASWN
SVERDRUP/DE LEUW

DESIGN JRB/RES 5/1/98	CHECK		
DRAWN JJH/JJS 5/1/98	CHECK		
QUANT.	CHECK		

APPROVAL RECOMM. J. BRUCE JORGENSEN 11/97 DATE PROJECT DESIGN ENGINEER
APPROVED ROBERT HOSLER 11/97 DATE SECTION MANAGER

I-15 CORRIDOR RECONSTRUCTION
IRRIGATION DETAILS
CORRIDOR STANDARD PLAN
PROJECT NUMBER *SP-15-7(135)296
TRACKING NUMBER

SALT LAKE COUNTY
DWG. NO. CS-140-3

Filename: c:\dgn\15_cadd\std_dgn\landscape\cs-140-3.dgn
Date: 18-MAY-1998 Time: 15:49 Username: bosslr

IRRIGATION NOTES

1. The Landscape Contractor shall examine site conditions under which work is to be performed and notify Project Engineer in writing of unsatisfactory conditions, if any. Do not proceed until conditions have been corrected.

2. Landscape Contractor shall notify Project Engineer of any site conditions that are obviously in conflict with the intention of the project. The Landscape Contractor will assume full responsibility to correct the work at no additional charge if there is failure to give required notification.

3. Payment of water permits and fees shall be the responsibility of the Landscape Contractor. The Landscape Contractor shall coordinate all of the work including sleeving, hookups, tie ins, power, etc.

4. Field verify pressure at all points of connection. Notify Project Engineer immediately if pressure at P.O.C. varies greater than 5% from irrigation drawings. Do not proceed with installation without written approval of the Project Engineer.

5. No major revisions in the design will be allowed without the written approval of the Project Engineer.

6. The irrigation drawings are diagrammatic only and are intended to convey the idea of the linear irrigation system. All irrigation components, parts, lines, etc. to be installed inside of right-of-way, unless otherwise called out on plans.

7. Pipe routing is diagrammatic only and shall be interpreted as such. Field verify dimensions prior to trenching. The location of heads, emitters, valves, lines and irrigation components on the drawings is approximate and the actual placement of these elements may vary slightly. Place pipes in the adjacent planting areas rather than under the pavement as may be shown on the plan for clarity. All irrigation components shall be located within the right-of-way, unless noted on the plans.

8. Set riser/heads perpendicular to the face of slope. Heads on slopes shall be set at an angle halfway between plumb and perpendicular to the face of the slope. If the head tilts any closer to vertical, erosion may occur. The P8-8S-8Q-PCS-020 shrub heads should not be adjusted.

9. The General Contractor shall coordinate work with all other parties involved with the construction. The Landscape Contractor shall repair or replace all items damaged by his work.

10. All work and materials shall conform to state and local codes, and/or regulations as may be applicable to this work.

11. The Landscape Contractor shall reference the ATMS drawings for ATMS box locations and shall field verify location for placement of pad and irrigation controller.

12. All pipe shall be cut square and burs removed at cut ends prior to installation so unobstructed flow will result. All pipe ends and fittings shall be cleaned before joints are cemented.

13. Supplemental wire may be run to valve locations at the Landscape Contractor's discretion.

14. All rotor irrigation heads are to be placed a minimum of 1.5 meters from any roadway shoulder if there are no existing or proposed walls or barriers.

WASATCH CONSTRUCTORS

JUN - 3 1998

RELEASED FOR CONSTRUCTION

LICENSED LANDSCAPE ARCHITECT
No. 163209
JOHN C. MAAS
5-26-98
STATE OF UTAH

LICENSED LANDSCAPE ARCHITECT
No. 163209
BRUCE JORGENSEN
5-26-98
STATE OF UTAH

APPROVED FOR CONSTRUCTION

NO.	DATE	DESCRIPTION
1	5/1/98	Release for construction

UTAH DEPARTMENT OF TRANSPORTATION
GSBS ARCHITECTS/ ASWN ARCHITECTS
SVERDRUP/DE LEUW

J. BRUCE JORGENSEN / JOHN MAAS — APPROVAL RECOMM. / DATE — PROJECT DESIGN ENGINEER	DESIGN JRB/RES 5/98	CHECK
	DRAWN JJH/JJS 5/98	CHECK
	QUANT.	CHECK
ROBERT HOSLER — APPROVED / DATE — SECTION MANAGER		

I-15 CORRIDOR RECONSTRUCTION
IRRIGATION NOTES
CORRIDOR STANDARD PLAN
PROJECT NUMBER *SP-15-7(135)296
SALT LAKE COUNTY
DWG. NO. CS-140-4

TREE LIST

PLANT #	CODE	BOTANICAL NAME	COMMON NAME	SIZE METRIC	SIZE	PLANT GROUP	PLANTING LIMITS MINIMUM DISTANCE (M) FROM MAIN LINE	PAVEMENT	FENCE	WALL	PAVED DITCH	EARTH DITCH	ON CENTER (M)	REMARKS
1	Ace cam	Acer campestre	Hedge Maple	19 liters	5 gal.	A	3.8	3.0	3.0	3.0	3.0	2.5		-
2	Ace gin	Acer ginnala	Amur Maple	19 liters	5 gal.	A	2.6	2.6	1.5	1.5	1.0	1.0		-
3	Ace gla	Acer glabrum	Rocky Mt. Maple	19 liters	5 gal.	A	3.0	3.0	3.0	3.0	2.0	2.0		-
4	Ace gra	Acer grandidentatum	Bigtooth Maple	19 liters	5 gal.	A	3.8	3.5	3.0	3.0	3.0	2.5		-
5	Ame aln	Amelanchier alnifolia	Serviceberry	19 liters	5 gal.	A	2.6	2.6	2.3	2.3	1.8	1.8		-
6	Bet occ	Betula occidentalis	River Birch	19 liters	5 gal.		5.0	3.5	3.0	3.0	2.5	2.5		-
7	Cel occ	Celtis occidentalis	Common Hackberry	19 liters	5 gal.	W	4.0	3.5	2.5	2.5	2.5	2.0		-
8	Cel ret	Celtis reticulata	Netleaf Hackberry	19 liters	5 gal.		5.4	2.5	2.5	2.5	2.0	2.0		-
9	Cra lea	Crataegus laevigata	Scarlet Hawthorn	19 liters	5 gal.		2.6	2.0	2.0	2.0	2.0	2.5		-
10	Jun mon	Juniperus monosperma	One-Seed Juniper	19 liters	5 gal.	We	2.6	2.6	2.3	2.3	1.8	1.8		-
11	Jun ost	Juniperus osteosperma	Utah Juniper	19 liters	5 gal.	We	3.8	2.6	1.5	1.5	1.8	1.8		-
12	Jun sco	Juniperus scopulorum	Rocky Mountain Juniper	19 liters	5 gal.	W/We	2.6	2.6	1.5	1.5	1.0	1.0		-
13	Koe pan	Koelreuteria paniculata	Goldenrain tree	19 liters	5 gal.		2.6	2.6	2.3	2.3	1.8	1.8		
14	Mal'SPE'	Malus sp.	Crab Apple	19 liters	5 gal.		2.6	2.6	2.3	2.3	1.8	1.8		Cultivars to be planted in planters: 'Adams', 'Christmas Holly', 'Indian Summer', 'Lancelot', 'Sugar Tyme'. 2
15	Pin edu	Pinus edulis	Pinyon Pine	19 liters	5 gal.	We	3.0	3.0	3.0	3.0	2.0	2.0		-
16	Pin fle	Pinus flexilis	Limber Pine	19 liters	5 gal.	W/A	3.0	3.0	3.0	3.0	2.0	2.0		-
17	Pin nig	Pinus nigra	Austrian Pine	19 liters	5 gal.	W/A	3.8	3.0	3.0	3.0	2.0	2.0		-
18	Pop acu	Populus acuminata	Lanceleaf Cottonwood	19 liters	5 gal.		3.0	3.0	3.0	3.0	2.0	2.0		May be stick cutting as called out on Landscape Plan
19	Pop alb	Populus alba 'Pyramidalis'	Bolleana Poplar	19 liters	5 gal.		3.0	3.0	3.0	3.0	2.0	2.0		May be stick cutting as called out on Landscape Plan
20	Pop del	Populus deltoides Nor'easter	Cottonless Cottonwood	19 liters	5 gal.		6.0	4.5	4.5	4.0	3.0	3.0		May be stick cutting as called out on Landscape Plan
21	Pop fre	Populus fremontii	Fremont Cottonwood	19 liters	5 gal.		3.0	3.0	3.0	3.0	2.0	2.0		May be stick cutting as called out on Landscape Plan
22	Pop rob	Populus robusta	Robusta Poplar	19 liters	5 gal.		3.0	3.0	3.0	3.0	2.0	2.0		-
23	Que gam	Quercus gambelii	Gamble Oak	19 liters	5 gal.	We	2.3	2.3	2.3	2.3	1.8	1.8		-
24	Que mac	Quercus macrocarpa	Bur Oak	19 liters	5 gal.		5.0	4.5	4.5	4.5	3.0	3.0		-
25	Rhu typ	Rhus typhina	Staghorn Sumac	19 liters	5 gal.		3.0	3.0	3.0	3.0	2.0	2.0		-
26	Rob amb	Robina ambigua 'Idahoensis'	Idaho Locust	19 liters	5 gal.	W	3.8	3.8	2.0	2.0	2.0	2.0		-
27	Sal amy	Salix amygdaloides	Peachleaf Willow	19 liters	5 gal.		4.5	4.5	4.5	4.5	3.2	3.2		May be stick cutting as called out on Landscape Plan
28	Sal exi	Salix exigua	Sandbar Willow	19 liters	5 gal.		2.6	2.6	1.5	1.5	1.0	1.0		May be stick cutting as called out on Landscape Plan

PLANT MATRIX LEGEND:
W= Wasatch Front Landscape
Mc= Mountain Creek Landscape
Sm= Salt Marsh Landscape
A= Alpine Landscape
We= West Desert Landscape
T= Tubling

WASATCH CONSTRUCTORS
NOV 06 1998
RELEASED FOR CONSTRUCTION

LICENSED LANDSCAPE ARCHITECT No. 3032 JOHN C. MAAS 10.30.98 STATE OF UTAH

LICENSED LANDSCAPE ARCHITECT No. 172101 J. BRUCE JORGENSEN 10.29.98 STATE OF UTAH

APPROVED FOR CONSTRUCTION

NO.	DATE	DESCRIPTION
1	6/3/98	Release for Construction
2	10/30/98	Trees added for full roadway construction 3100 NOC #0288

UTAH DEPARTMENT OF TRANSPORTATION
ASWN INC. / GSBS ARCHITECTS
SVERDRUP/DE LEUW

APPROVAL RECOMM. J. BRUCE JORGENSEN, JOHN MAAS, PROJECT DESIGN ENGINEER, DATE
APPROVED ROBERT HOSLER, SECTION MANAGER, DATE

DESIGN JRB/RES CHECK
DRAWN JJH/AJS CHECK
QUANT. CHECK

I-15 CORRIDOR RECONSTRUCTION
LANDSCAPE LEGEND
CORRIDOR STANDARD PLAN
PROJECT NUMBER *SP-15-7(135)296

SALT LAKE COUNTY
DWG. NO. CS-141-1
SHT. 1 OF 10

SHRUB LIST

PLANT #	CODE	BOTANICAL NAME	COMMON NAME	SIZE METRIC	SIZE	PLANT GROUP	PLANTING LIMITS MINIMUM DISTANCE (M) FROM MAIN LINE	PAVEMENT	FENCE	WALL	PAVED DITCH	EARTH DITCH	ON CENTER (M)	REMARKS
1	Ame uta	Amelanchier utahensis	Utah Serviceberry	3.8 liter	1 gal.		2.6	1.0	1.5	1.5	1.0	1.0	1.5	-
2	Arc uva	Arctostaphylos uva-ursi	Bearberry	Tubling	Tubling		2.6	1.0	.75	.75	.35	.35	1.5	-
3	Art nov	Artemisia nova	Black Sage	Tubling	Tubling	We/W	2.6	1.0	.75	.75	.35	.35	1.5	Sprinkle 6-10 Indian Paintbrush seeds in each tubling
4	Art tri	Artemisia tridentata	Big Sagebrush	Tubling	Tubling	We/W	2.6	1.0	.75	.75	.35	.35	1.5	Sprinkle 6-10 Indian Paintbrush seeds in each tubling
5	Atr can	Atriplex canescens	Fourwing Saltbush	Tubling	Tubling	We	2.6	1.0	.75	.75	.35	.35	1.5	-
6	Atr con	Atriplex confertifolia	Shadescale	Tubling	Tubling	We	2.6	1.0	.45	.45	.25	.25	1.5	-
7	Atr gar	Atriplex gardneri	Gardner Saltbush	Tubling	Tubling	We	2.6	1.0	.45	.45	.25	.25	1.5	-
8	Car abo	Caragana arborescens 'Comp.'	Peashrub	Tubling	Tubling		2.6	1.0	.60	.60	.30	.30	1.5	-
9	Cea vel	Ceanothus velutinus	Snowbrush	Tubling	Tubling		2.6	1.0	1.5	1.5	1.5	1.5	1.5	-
10	Cer lan	Ceratoides lanata	Winterfat	Tubling	Tubling	We	2.6	1.0	.45	.45	.25	.25	1.5	-
11	Cer led	Cercocarpus ledifolius	Curl-leaf Mt. Mahogany	3.8 liter	1 gal.	W	2.6	1.0	1.5	1.5	2.0	2.0	1.5	-
12	Cer mon	Cercocarpus montanus	True Mt. Mahogany	3.8 liter	1 gal.	W	2.6	1.0	1.5	1.5	1.0	1.0	1.5	-
13	Chr nau	Chrysothamnus nauseosus	Rubber Rabbitbrush	Tubling	Tubling	We	2.6	1.0	.60	.60	.30	.30	1.5	-
14	Cor sto	Cornus stolonifera	Red-Osier Dogwood	3.8 liter	1 gal.		2.6	1.0	1.5	1.5	1.0	1.0	1.5	-
15	Cow sta	Cowania stansburiana	Cliff Rose	3.8 liter	1 gal.	A/W	2.6	1.0	1.5	1.5	1.0	1.0	1.5	-
16	Eph vir	Ephedra viridis	Mormon Tea	Tubling	Tubling	W	2.6	1.0	.60	.60	.30	.30	1.5	-
17	Jun com	Juniperous communis 'Uinta'	Uinta Common Juniper	Tubling	Tubling		2.6	1.0	.90	.90	.45	.45	1.5	-
18	Lon tat	Lonicera tatarica	Tatarian Honeysuckle	Tubling	Tubling		2.6	1.0	1.2	1.2	1.0	1.0	1.5	-
19	Per atr	Perovskia atriplicifolia	Russian Sage	3.8 liter	1 gal.		2.6	1.0	.45	.45	.25	.25	1.5	-
20	Pot fru	Potentilla fruticosa	Shrubby Cinquefoil	Tubling	Tubling		2.6	1.0	.45	.45	.25	.25	1.5	-
21	Pru bes	Prunus besseyi	Western Sandcherry	3.8 liter	1 gal.	W	2.6	1.0	.90	.90	.45	.45	1.5	-
22	Pru vir	Prunus virginiana	Chokecherry	3.8 liter	1 gal.	A	2.6	1.0	2.3	2.3	1.1	1.1	1.5	-
23	Pur tri	Purshia tridentata	Antelope Bitterbrush	3.8 liter	1 gal.	We	2.6	1.0	1.5	1.5	1.0	1.0	1.5	-
24	Rhu gla	Rhus glabra	Smooth Sumac	3.8 liter	1 gal.		2.6	1.0	1.2	1.2	.55	.55	1.5	-
25	Rhu tri	Rhus trilobata	Oakbrush Sumac	3.8 liter	1 gal.	A/W	2.6	1.0	.90	.90	.45	.45	1.5	-
26	Rib aur	Ribes aureum	Golden Currant	3.8 liter	1 gal.		2.6	1.0	.90	.90	.45	.45	1.5	-
27	Ros rug	Rosa rugosa	Rugosa Rose	Tubling	Tubling		2.6	1.0	.90	.90	.45	.45	1.5	
28	Ros woo	Rosa woodsii	Woods Rose	Tubling	Tubling	A	2.6	1.0	.60	.60	.30	.30	1.5	-
29	Sam coe	Sambucus coerulea	Blue Elderberry	3.8 liter	1 gal.		2.6	1.0	1.5	1.5	1.0	1.0	1.5	-
30	Sym alb	Symphoricarpos albus	Common Snowberry	Tubling	Tubling	A	2.6	1.0	.60	.60	.30	.30	1.5	-

VINE LIST

PLANT #	CODE	BOTANICAL NAME	COMMON NAME	SIZE METRIC	SIZE	PLANT GROUP	PLANTING LIMITS MINIMUM DISTANCE (M) FROM MAIN LINE	PAVEMENT	FENCE	WALL	PAVED DITCH	EARTH DITCH	ON CENTER (M)	REMARKS
1	Cam rad	Campsis radicans	Trumpet Vine	Tubling	Tubling		2.6	.1	.05	.1	1.0	1.25	-	
2	Lan jap	Lonicera japonica 'Halliana'	Halls Honeysuckle	Tubling	Tubling		2.6	.1	.05	.1	1.0	1.25	-	
3	Par qui	Parthenocissus quinquefolia	Virginia Creeper	Tubling	Tubling		2.6	.1	.05	.1	1.0	1.25	-	
4	Par tri	Parthenocissus tricuspidata	Boston Ivy	Tubling	Tubling		2.6	.1	.05	.1	1.0	1.25	-	

PLANT MATRIX LEGEND:
W= Wasatch Front Landscape
Mc= Mountain Creek Landscape
Sm= Salt Marsh Landscape
A= Alpine Landscape
We= West Desert Landscape
T= Tubling

WASATCH CONSTRUCTORS
NOV 06 1998
RELEASED FOR CONSTRUCTION

LICENSED LANDSCAPE ARCHITECT No. 103286 JOHN C. MAAS 11-2-98 STATE OF UTAH

LICENSED LANDSCAPE ARCHITECT No. 103401 J. BRUCE JORGENSEN 11.02.98 STATE OF UTAH

APPROVED FOR CONSTRUCTION

NO.	DATE	DESCRIPTION
1	6/3/98	Release for construction
2	10/30/98	Shrub added for full roadway construction %100 NOC #0288

UTAH DEPARTMENT OF TRANSPORTATION
ASWN INC. / GSBS ARCHITECTS
SVERDRUP/DE LEUW

DESIGN JRB/RES CHECK
DRAWN JJH/JJS CHECK
QUANT. CHECK

APPROVAL RECOMM. J. BRUCE JORGENSEN / JOHN MAAS — PROJECT DESIGN ENGINEER — DATE
APPROVED ROBERT HOSLER — SECTION MANAGER — DATE

I-15 CORRIDOR RECONSTRUCTION
LANDSCAPE LEGEND
CORRIDOR STANDARD PLAN
PROJECT NUMBER *SP-15-7(135)296

SALT LAKE COUNTY
DWG. NO. CS-141-2
SHT. 2 OF 10

I-15 RECONSTRUCTION CORRIDOR SEED MIXES

(DGSM#1) DRYLAND GRASS SEED MIX #1 DRILL SEEDING

SYMBOL	BOTANICAL NAME	COMMON NAME	SEEDING RATE	REMARKS
	Elymus trachycaulus ssp. trachycaulus	Slender Wheatgrass 'Revenue'	3.36 kg of PLS/Hectare	Bunch/Rhizome
	Agropyron sibericum 'Vavilov'	Crested Wheatgrass 'Vavilov'	1.68 kg of PLS/Hectare	Bunch
	Oryzopsis hymenoides	Indian Ricegrass	3.36 kg of PLS/Hectare	Bunch
	Bouteloua curtipendula	Sideoats Grama	0.56 kg of PLS/Hectare	Bunch/Rhizome
	Elymus lanceolatus ssp. riparium	Streambank Wheatgrass 'Sodar'	2.24 kg of PLS/Hectare	Rhizome
	Elymus elymoides	Bottlebrush Squirreltail	0.56 kg of PLS/Hectare	Bunch
	Elytrigia intermedia ssp. intermedia	Intermediate Wheatgrass 'Tegmar'	1.12 kg of PLS/Hectare	Rhizome
	Festuca ovina	Sheep Fescue 'Covar'	1.68 kg of PLS/Hectare	Bunch
	Pascopyrum smithii	Western Wheatgrass	0.56 kg of PLS/Hectare	Rhizome
	Pseudoroegneria spicata	Snake River Wheatgrass 'Secar'	2.80 kg of PLS/Hectare	Bunch
	Poa sandbergii	Sandberg Bluegrass	0.56 kg of PLS/Hectare	Bunch
	Stipa comata	Needle and Thread Grass	0.56 kg of PLS/Hectare	Bunch
	Sporobolus cryptandrus	Sand Dropseed	1.12 kg of PLS/Hectare	Bunch
	TOTAL		20.16 kg of PLS/Hectare	

Notes: A. Drill-seed all grasses at a 16mm depth.
B. In high clay content soils drill-seed all grasses at a 10mm depth.
C. (*) See Planting Notes, sheet CS-141-10.

(DGSM#1) DRYLAND GRASS SEED MIX #1 BROADCAST SEEDING

SYMBOL	BOTANICAL NAME	COMMON NAME	SEEDING RATE	REMARKS
	Elymus trachycaulus ssp. trachycaulus	Slender Wheatgrass 'Revenue'	4.48 kg of PLS/Hectare	Bunch/Rhizome
	Agropyron sibericum 'Vavilov'	Crested Wheatgrass 'Vavilov'	2.80 kg of PLS/Hectare	Bunch
	Oryzopsis hymenoides	Indian ricegrass	4.48 kg of PLS/Hectare	Bunch
	Bouteloua curtipendula	Sideoats Grama	0.56 kg of PLS/Hectare	Bunch/Rhizome
	Elytrigia intermedia ssp. intermedia	Intermediate Wheatgrass 'Tegmar'	1.12 kg of PLS/Hectare	Rhizome
	Elumus lanceolatus 'Sodar'	Streambank Wheatgrass 'Sodar'	3.36 kg of PLS/Hectare	Rhizome
	Stipa comata	Needle and Thread Grass	1.12 kg of PLS/Hectare	Bunch
	Elymus elymoides	Bottlebrush Squirreltail	1.12 kg of PLS/Hectare	Bunch
	Festuca ovina	Sheep Fescue 'Covar'	2.24 kg of PLS/Hectare	Bunch
	Pascopyrum smithii	Western Wheatgrass	1.12 kg of PLS/Hectare	Rhizome
	Pseudoroegneria spicata	Snake River Wheatgrass 'Secar'	4.48 kg of PLS/Hectare	Bunch
	Poa sandbergii	Sandberg Bluegrass	0.84 kg of PLS/Hectare	Bunch
	Sporobolus cryptandrus	Sand Dropseed	1.40 kg of PLS/Hectare	Bunch
	TOTAL		29.12 kg of PLS/Hectare	

Notes: A. (*) See Planting Notes, sheet CS-141-10.

WASATCH CONSTRUCTORS

JUN 2 2 1998

RELEASED FOR CONSTRUCTION

LICENSED LANDSCAPE ARCHITECT
No. 103206
JOHN C. MAAS
6.3.98
STATE OF UTAH

LICENSED LANDSCAPE ARCHITECT
No. 10[illegible]
J. BRUCE JORGENSEN
STATE OF UTAH

NO.	DATE	APPROVED FOR CONSTRUCTION DESCRIPTION
1	6/3/98	Release for construction

UTAH DEPARTMENT OF TRANSPORTATION
ASWN INC. / GSBS ARCHITECTS
SVERDRUP/DE LEUW

I-15 CORRIDOR RECONSTRUCTION

LANDSCAPE LEGEND

CORRIDOR STANDARD PLAN

PROJECT NUMBER *SP-15-7(135)296

DESIGN JRB/RES — CHECK
DRAWN JJH/JJS — CHECK
QUANT. — CHECK

APPROVAL RECOM. — J. BRUCE JORGENSEN, PROJECT DESIGN ENGINEER — DATE
APPROVED — ROBERT HOSLER, SECTION MANAGER — DATE

SALT LAKE COUNTY

DWG. NO. CS-141-3

SHT. 3 OF 10

I-15 RECONSTRUCTION CORRIDOR SEED MIXES

(WFSM#2) WASATCH FRONT SEED MIX #2 DRILL SEEDING

SYMBOL	BOTANICAL NAME	COMMON NAME	SEEDING RATE	REMARKS
	Artemisia nova	Black Sage	0.45 kg of PLS/Hectare	
	Artemisia tridentata wyomingensis	Wyoming Big Sagebrush	0.22 kg of PLS/Hectare	
	Cercocarpus ledifolius	Curl-leaf Mountain Mahogany	3.0 kg of PLS/Hectare	
	Cercocarpus montanus	True Mountain Mahogany	1.7 kg of PLS/Hectare	
	Cowania mexicana	Cliffrose	1.3 kg of PLS/Hectare	
	Ephedra viridis	Mormon Tea	4.2 kg of PLS/Hectare	
	Rhus trilobata	Oakbrush sumac	4.2 kg of PLS/Hectare	
	Shrub Total:		15.07 kg of PLS/Hectare	
	Elymus trachycaulus ssp. trachycaulus	Slender Wheatgrass	1.68 kg of PLS/Hectare	Bunch/Rhizome
	Oryzopsis hymenoides	Indian Ricegrass	1.12 kg of PLS/Hectare	Bunch
	Agropyron sibericum 'Vavilov'	Crested Wheatgrass 'Vavilov'	1.12 kg of PLS/Hectare	Bunch
	Stipa comata	Needle and Thread Grass	1.12 kg of PLS/Hectare	Bunch
	Elymus lanceolatus 'Sodar'	Streambank Wheatgrass 'Sodar'	1.12 kg of PLS/Hectare	Rhizome
	Elytrigia intermedia 'Tegmar'	Intermediate Wheatgrass 'Tegmar'	0.56 kg of PLS/Hectare	Rhizome
	Pascopyrum smithii	Western Wheatgrass	0.56 kg of PLS/Hectare	Rhizome
	Pseudoroegneria spicata	Snake River Wheatgrass 'Secar'	2.24 kg of PLS/Hectare	Rhizome
	Sporobolus cryptandrus	Sand Dropseed	0.28 kg of PLS/Hectare	Bunch
	Grasses Total:		9.8 kg of PLS/Hectare	

Notes: A. Drill all shrubs at 25mm deep, except Artemisia.

B. Drill all grasses and Artemisia at 13mm deep.

C. If area is to be hydormulched include Artemisia in mixture.

WASATCH CONSTRUCTORS

JUN 2 2 1998

RELEASED FOR CONSTRUCTION

(WFSM#2) WASATCH FRONT SEED MIX #2 BROADCAST SEEDING

SYMBOL	BOTANICAL NAME	COMMON NAME	SEEDING RATE	REMARKS
	Artemisia nova	Black Sage	0.45 kg of PLS/Hectare	
	Artemisia tridentata wyomingensis	Wyoming Big Sagebrush	0.22 kg of PLS/Hectare	
	Cercocarpus ledifolius	Curl-leaf Mountain Mahogany	3.0 kg of PLS/Hectare	
	Cercocarpus montanus	True Mountain Mohogany	1.7 kg of PLS/Hectare	
	Cowania mexicana	Cliffrose	1.3 kg of PLS/Hectare	
	Ephedra viridis	Mormon Tea	4.2 kg of PLS/Hectare	
	Rhus trilobata	Oakbrush Sumac	4.2 kg of PLS/Hectare	
	Shrub Total:		15.07 kg of PLS/Hectare	
	Elymus trachycaulus ssp. trachycaulus	Slender Wheatgrass 'Revenue'	2.24 kg of PLS/Hectare	Bunch/Rhizome
	Oryzopsis hymenoides	Indian Ricegrass	1.68 kg of PLS/Hectare	Bunch
	Agropyran sibericum 'Vavilov'	Crested Wheatgrass 'Vavilov'	1.68 kg of PLS/Hectare	Bunch
	Elymus lanceolatus 'Sodar'	Streambank Wheatgrass 'Sodar'	1.68 kg of PLS/Hectare	Rhizome
	Elytrigia intermedia ssp. intermedia	Intermediate Wheatgrass 'Tegmar'	1.12 kg of PLS/Hectare	Rhizome
	Stipa comata	Needle and Thread Grass	1.12 kg of PLS/Hectare	Bunch
	Pascopyrum smithii	Western Wheatgrass	1.12 kg of PLS/Hectare	Rhizome
	Pseudoroegneris spicata	Snake River Wheatgrass 'Secar'	3.36 kg of PLS/Hectare	Bunch
	Sporobolus cryptandrus	Sand Dropseed	0.56 kg of PLS/Hectare	Bunch
	Grasses Total:		14.56 kg of PLS/Hectare	

LICENSED LANDSCAPE ARCHITECT No. 103206 JOHN C. MAAS 6.3.98 STATE OF UTAH

LICENSED LANDSCAPE ARCHITECT No. 10[illegible] BRUCE JORGENSEN STATE OF UTAH

APPROVED FOR CONSTRUCTION

NO.	DATE	DESCRIPTION
1	6/3/98	Release for construction

UTAH DEPARTMENT OF TRANSPORTATION
ASWN INC. / GSBS ARCHITECTS
SVERDRUP/DE LEUW

I-15 CORRIDOR RECONSTRUCTION

LANDSCAPE LEGEND

CORRIDOR STANDARD PLAN

PROJECT NUMBER *SP-15-7(135)296

DESIGN JRB/RES — CHECK
DRAWN JJH/JJS — CHECK
QUANT. — CHECK

J. BRUCE JORGENSEN — APPROVAL RECOMM. — DATE
JOHN MAAS — PROJECT DESIGN ENGINEER
ROBERT HOSLER — APPROVED — DATE
SECTION MANAGER

SALT LAKE COUNTY

DWG. NO. CS-141-4

SHT. 4 OF 10

I-15 RECONSTRUCTION CORRIDOR SEED MIXES

(WDSM#3) WEST DESERT SEED MIX #3 DRILL SEEDING

SYMBOL	BOTANICAL NAME	COMMON NAME	SEEDING RATE	REMARKS
	Artemisia nova	Black Sage	0.28 kg of PLS/Hectare	
	Artemisia tridentata wyomingensis	Wyoming Big Sagebrush	0.11 kg of PLS/Hectare	
	Atriplex canescens	Fourwing Saltbush	2.24 kg of PLS/Hectare	
	Atriplex confertifolia	Shadscale	2.24 kg of PLS/Hectare	
	Atriplex gardneri	Saltbush	2.24 kg of PLS/Hectare	
	Ceratoides lanata	Winterfat	3.36 kg of PLS/Hectare	
	Chrysothamnus viscidiflorus	Rubber Rabbitbrush	0.20 kg of PLS/Hectare	
	Shrub Total:		10.67 kg of PLS/Hectare	
	Elymus trachycaulus 'Revenue'	Slender Wheatgrass 'Revenue'	1.68 kg of PLS/Hectare	Bunch/Rhizome
	Oryzopsis hymenoides	Indian Ricegrass	1.12 kg of PLS/Hectare	Bunch
	Agropyron sibericum 'Vavilov'	Crested Wheatgrass 'Vavilov'	1.12 kg of PLS/Hectare	Bunch
	Elymus lanceolatus ssp. riparium 'Sodar'	Streambank Wheatgrass 'Sodar'	1.12 kg of PLS/Hectare	Rhizome
	Stipa comata	Needle and Thread Grass	0.56 kg of PLS/Hectare	Bunch
	Elytrigia intermidia 'Tegmar'	Intermediate Wheatgrass 'Tegmar'	0.56 kg of PLS/Hectare	Rhizome
	Pascopyrum smithii	Western Wheatgrass	0.56 kg of PLS/Hectare	Rhizome
	Pseudoroegneria spicata	Snake River Wheatgrass 'Secar'	2.24 kg of PLS/Hectare	Bunch
	Sporobolus cryptandrus	Sand Dropseed	0.28 kg of PLS/Hectare	Bunch
	Grasses Total:		9.24 kg of PLS/Hectare	

Notes: A. Drill all shrubs at 25mm deep, except Artemisia.

B. Drill all grasses and Artemisia at 13mm deep.

C. If area is to be hydormulched include Artemisia in mixture.

WASATCH CONSTRUCTORS

JUN 2 2 1998

RELEASED FOR CONSTRUCTION

(WDSM#3) WEST DESERT SEED MIX #3 BROADCAST SEEDING

SYMBOL	BOTANICAL NAME	COMMON NAME	SEEDING RATE	REMARKS
	Artemisia nova	Black Sage	0.28 kg of PLS/Hectare	
	Artemisia tridentata wyomingensis	Wyoming Big Sagebrush	0.11 kg of PLS/Hectare	
	Atriplex canescens	Four Wing Saltbush	4.48 kg of PLS/Hectare	
	Atriplex confertifolia	Shadscale	3.36 kg of PLS/Hectare	
	Atriplex gardneri	Saltbush	3.36 kg of PLS/Hectare	
	Ceratoides lanata	Winterfat	2.24 kg of PLS/Hectare	
	Chrysothamnus nauseosus	Rubber Rabbitbrush	0.28 kg of PLS/Hectare	
	Shrub Total:		14.11 kg of PLS/Hectare	
	Elymus trachycaulus ssp. trachycaulus	Slender Wheatgrass 'Revenue'	3.36 kg of PLS/Hectare	Bunch/Rhizome
	Agropyran sibericum 'Vavilov'	Crested Wheatgrass 'Vavilov'	1.68 kg of PLS/Hectare	Bunch
	Elymus lanceolatus ssp. riparium 'Sodar'	Streambank Wheatgrass 'Sodar'	2.24 kg of PLS/Hectare	Rhizome
	Oryzopsis hymenoides	Indian Ricegrass	1.68 kg of PLS/Hectare	Bunch
	Stipa comata	Needle and Thread Grass	1.12 kg of PLS/Hectare	Bunch
	Elytrigia intermedia ssp. intermedia	Intermediate Wheatgrass 'Tegmar'	1.12 kg of PLS/Hectare	Rhizome
	Pascopyrum smithii	Western Wheatgrass	0.56 kg of PLS/Hectare	Rhizome
	Pseudoroegneris spicata	Snake River Wheatgrass 'Secar'	3.36 kg of PLS/Hectare	Bunch
	Sporobolus cryptandrus	Sand Dropseed	0.56 kg of PLS/Hectare	Bunch
	Grasses Total:		15.68 kg of PLS/Hectare	

LICENSED LANDSCAPE ARCHITECT No. 103206 JOHN C. MAAS 6-3-98 STATE OF UTAH

LICENSED LANDSCAPE ARCHITECT No. 103101 J. BRUCE JORGENSEN STATE OF UTAH

APPROVED FOR CONSTRUCTION

NO.	DATE	DESCRIPTION
1	6/3/98	Release for construction

UTAH DEPARTMENT OF TRANSPORTATION
ASWN INC. / GSBS ARCHITECTS
SVERDRUP/DE LEUW

DESIGN JRB/RES CHECK
DRAWN JJH/JJS CHECK
QUANT. CHECK

APPROVAL RECOMM. J. BRUCE JORGENSEN / JOHN C. MAAS — PROJECT DESIGN ENGINEER — DATE
APPROVED ROBERT HOSLER — SECTION MANAGER — DATE

I-15 CORRIDOR RECONSTRUCTION

LANDSCAPE LEGEND

CORRIDOR STANDARD PLAN

PROJECT NUMBER *SP-15-7(135)296

SALT LAKE COUNTY

DWG. NO. CS-141-5

SHT. 5 OF 10

I-15 RECONSTRUCTION CORRIDOR SEED MIXES

(SVM#4) SALT LAKE VALLEY MEADOW MIX #4 DRILL SEEDING

SYMBOL	BOTANICAL NAME	COMMON NAME	SEEDING RATE	REMARKS
	Elymus trachycaulus ssp. trachycaulus	Slender Wheatgrass 'Pryor'	2.24 kg of PLS/Hectare	Bunch/Rhizome
	Oryzopsis hymenoides	Indian Ricegrass	2.52 kg of PLS/Hectare	Bunch
	Agropyran desertorum	Crested Wheatgrass 'Hycrest'	1.68 kg of PLS/Hectare	Bunch/Rhizome
	Elymus lanceolatus ssp. riparelum 'Sodar'	Streambank Wheatgrass 'Sodar'	2.24 kg of PLS/Hectare	Rhizome
	Leymus cinereus	Great Basin Wildrye 'Trailhead'	2.80 kg of PLS/Hectare	Bunch/Rhizome
	Stipa comata	Needle and Thread Grass	1.68 kg of PLS/Hectare	Bunch
	Stipa viridula	Green Needlegrass	1.40 kg of PLS/Hectare	Bunch
	Pascopyrum smithii	Western Wheatgrass	2.24 kg of PLS/Hectare	Rhizome
	Pseudoroegneris spicata	Snake River Wheatgrass 'Secar'	2.24 kg of PLS/Hectare	Bunch
	Sporobolus airoides	Alkali sacaton	0.56 kg of PLS/Hectare	Bunch
	Grasses Total:		19.60 kg of PLS/Hectare	

Notes: A. Drill all seed at 16mm deep.

(SVM#4) SALT LAKE VALLEY MEADOW MIX #4A BROADCAST SEEDING

SYMBOL	BOTANICAL NAME	COMMON NAME	SEEDING RATE	REMARKS
	Elymus trachycaulus ssp. trachycaulus	Slender Wheatgrass 'Pryor'	4.48 kg of PLS/Hectare	Bunch/Rhizome
	Agropyran desertarum	Crested Wheatgrass 'Hycrest'	2.80 kg of PLS/Hectare	Bunch/Rhizome
	Elymus lanceolatus ssp. ripareum 'Sodar'	Streambank Wheatgrass 'Sodar'	3.92 kg of PLS/Hectare	Rhizome
	Leymus cinereus	Great Basin Wildrye 'Trailhead'	3.92 kg of PLS/Hectare	Bunch/Rhizome
	Oryzopsis hymenoides	Indian Ricegrass	3.36 kg of PLS/Hectare	Bunch
	Stipa comata	Needle and Thread Grass	3.36 kg of PLS/Hectare	Bunch
	Stipa viridula	Green Needlegrass	2.52 kg of PLS/Hectare	Bunch
	Pascopyrum smithii	Western Wheatgrass	3.36 kg of PLS/Hectare	Rhizome
	Pseudoroegneris spicata	Snake River Wheatgrass 'Secar'	3.92 kg of PLS/Hectare	Bunch
	Sporobolus airoides	Alkali sacaton	0.84 kg of PLS/Hectare	Bunch
	Grasses Total:		32.48 kg of PLS/Hectare	

WASATCH CONSTRUCTORS

JUN 2 2 1998

RELEASED FOR CONSTRUCTION

LICENSED LANDSCAPE ARCHITECT
No. 103208
JOHN C. MAAS
6-3-98
STATE OF UTAH

LICENSED LANDSCAPE ARCHITECT
No. 102
J. BRUCE JORGENSEN
6-3-98
STATE OF UTAH

APPROVED FOR CONSTRUCTION

NO.	DATE	DESCRIPTION
1	6/3/98	Release for construction

UTAH DEPARTMENT OF TRANSPORTATION
ASWN INC. / GSBS ARCHITECTS
SVERDRUP/DE LEUW

DESIGN JRB/RES CHECK
DRAWN JJH/JJS CHECK
QUANT. CHECK

APPROVAL RECOM. J. BRUCE JORGENSEN, PROJECT DESIGN ENGINEER, DATE
APPROVED ROBERT HOSLER, SECTION MANAGER, DATE

I-15 CORRIDOR RECONSTRUCTION

LANDSCAPE LEGEND

CORRIDOR STANDARD PLAN

PROJECT NUMBER *SP-15-7(135)296

SALT LAKE COUNTY

DWG. NO. CS-141-6

SHT. 6 OF 10

I-15 RECONSTRUCTION CORRIDOR SEED MIXES

(WSM#5) WILDFLOWER SEED MIX #5 - BELOW 15% CLAY

SYMBOL	BOTANICAL NAME	COMMON NAME	SEEDING RATE	REMARKS
	Aster chilensis	Pacific Aster	0.11 kg of PLS/Hectare	Perennial, Fall-Summer
	Bouteloua curtipendula	Sideoats Grama	0.84 kg of PLS/Hectare	Bunch
	Coreopsis tinctoria	Plains coreopsis	0.28 kg of PLS/Hectare	Annual, Summer-Fall
	Elymus elymoides	Bottlebrush Squirreltail	2.24 kg of PLS/Hectare	Bunch
	Eschscholtzia californica	California poppy	2.24 kg of PLS/Hectare	Annual, Spring-Summer
	Linum lewisii	Blue Flax	2.52 kg of PLS/Hectare	Perennial, Summer-Fall
	Lupinus arizonicus	Desert Lupine	0.28 kg of PLS/Hectare	Annual, Summer
	Oryzopsis hymenoides	Indian Ricegrass	2.80 kg of PLS/Hectare	Bunch
	Penstemon eatonii	Firecracker Penstemon	0.56 kg of PLS/Hectare	Perennial, Spring-Summer
	Penstemon packyphyllus	Thickleaf Penstemon	0.28 kg of PLS/Hectare	Perennial, Spring-Summer
	Penstemon palmeri	Palmer Penstemon	2.24 kg of PLS/Hectare	Perennial, Spring-Summer
	Penstemon strictus	Rocky Mountain Penstemon	0.28 kg of PLS/Hectare	Perennial, Summer
	Sphaeralcea grossulariaefolia	Gooseberry-leaf Globemallow	1.40 kg of PLS/Hectare	Perennial, Spring-Summer
	Sphaeralcea munroana	Munro Globemallow	0.56 kg of PLS/Hectare	Perennial, Spring
	Sporobolus cryptandrus	Sand Dropseed	0.022 kg of PLS/Hectare	Bunch
	Stipa comata	Needle and Thread Grass	2.24 kg of PLS/Hectare	Bunch
	Viguiera multiflora	Showy Goldeneye	0.84 kg of PLS/Hectare	Perennial, Summer
	Total		19.73 kg of PLS/Hectare	

Note: A. Prior to seeding the wildflower areas a representative soil sample will be taken from each location to determine the mix to be used.

B. Broadcast Pacific Aster, Plains Coreopsis and Sand Dropseed.

C. Drill balance of seed at 13mm deep.

(WSM#5) WILDFLOWER SEED MIX #5 - 15% CLAY OR ABOVE

SYMBOL	BOTANICAL NAME	COMMON NAME	SEEDING RATE	REMARKS
	Aster chilensis	Pacific Aster	0.11 kg of PLS/Hectare	Perennial, Fall-Summer
	Coreopsis tinctoria	Plains coreopsis	0.28 kg of PLS/Hectare	Annual, Summer-Fall
	Elymus elymoides	Bottlebrush squirreltail	2.24 kg of PLS/Hectare	Bunch
	Eriogonum heracleoides	Wyeth Buckwheat	1.68 kg of PLS/Hectare	Perennial, Spring-Summer
	Eriogonum umbellatum	Sulfur Flower	1.12 kg of PLS/Hectare	Perennial, Fall
	Eschscholtzia californica	California Poppy	2.24 kg of PLS/Hectare	Annual, Spring-Summer
	Festuca ovina	Sheep fescue	0.14 kg of PLS/Hectare	Bunch
	Linum lewisii	Blue flax	1.68 kg of PLS/Hectare	Perennial, Spring-Fall
	Lupinus arizonicus	Desert lupine	0.28 kg of PLS/Hectare	Annual, Spring
	Oryzopsis hymenoides	Indian Ricegrass	2.80 kg of PLS/Hectare	Bunch
	Penstemon cyamanthus	Wasatch Penstemon	0.28 kg of PLS/Hectare	Perennial, Summer
	Penstemon eatonii	Firecracker Penstemon	0.56 kg of PLS/Hectare	Perennial, Spring-Summer
	Penstemon palmeri	Palmer Penstemon	1.68 kg of PLS/Hectare	Perennial, Spring-Summer
	Penstemon strictus	Rocky Mountain Penstemon	0.28 kg of PLS/Hectare	Perennial, Summer
	Sphaeralcea grossulariaefolia	Gooseberry-leaf Globemallow	1.40 kg of PLS/Hectare	Perennial, Spring-Summer
	Sphaeralcea munroana	Munro Globemallow	0.56 kg of PLS/Hectare	Perennial, Spring
	Sporobolus cryptandrus	Sand Dropseed	0.022 kg of PLS/Hectare	Bunch
	Stipa comata	Needle and Thread grass	2.24 kg of PLS/Hectare	Bunch
	Viguiera multiflora	Showy goldeneye	0.56 kg of PLS/Hectare	Perennial, Summer
	Total		20.15 kg of PLS/Hectare	

Note: A. Prior to seeding the wildflower areas a representative soil sample will be taken from each location to determine the mix to be used.

B. Broadcast Pacific Aster, Plains Coreopsis and Sand Dropseed.

C. Drill balance of seed at 13mm deep.

WASATCH CONSTRUCTORS

JUN 22 1998

RELEASED FOR CONSTRUCTION

LICENSED LANDSCAPE ARCHITECT No. 103206 JOHN C. MAAS 6.3.98 STATE OF UTAH

LICENSED LANDSCAPE ARCHITECT No. 102 J. BRUCE JORGENSEN STATE OF UTAH

APPROVED FOR CONSTRUCTION

NO.	DATE	DESCRIPTION
1	6/3/98	Release for construction

UTAH DEPARTMENT OF TRANSPORTATION
ASWN INC. / GSBS ARCHITECTS
SVERDRUP/DE LEUW

J. BRUCE JORGENSEN — APPROVAL RECOMM. — DATE
JOHN MAAS — PROJECT DESIGN ENGINEER
ROBERT HIGLER — APPROVED — DATE — SECTION MANAGER

DESIGN JRB/RES — CHECK
DRAWN JJH/AJS — CHECK
QUANT. — CHECK

I-15 CORRIDOR RECONSTRUCTION
LANDSCAPE LEGEND
CORRIDOR STANDARD PLAN
PROJECT NUMBER *SP-15-7(135)296

SALT LAKE COUNTY
DWG. NO. CS-141-7
SHT. 7 OF 10

Date: 03-JUN-1998 Time: 09:26 Username: greendb

Filename: P:\I15.cadd\I15.cadd\std_dgn\landscape\cs-141-7.dgn

I-15 RECONSTRUCTION CORRIDOR SEED MIXES

(SMSM#6) SALT MARSH SEED MIX #6 DRILLED

SYMBOL	BOTANICAL NAME	COMMON NAME	SEEDING RATE	REMARKS
	Castilleja exilis	Marsh Indian Paintbrush	0.22 kg of PLS/Hectare	Forb
	Cleome serrulata	Rocky Mountain Beeplant	1.12 kg of PLS/Hectare	Forb
	Distichlis spicata stricta	Inland Saltgrass	3.34 kg of PLS/Hectare	Rhizome
	Leymus cinereus	Great Basin Wildrye 'Trailhead'	3.34 kg of PLS/Hectare	Bunch/Rhizome
	Puccinellia distans	Alkaligrass	0.56 kg of PLS/Hectare	Bunch
	Ribes aureum	Golden Current	1.68 kg of PLS/Hectare	Shrub
	Scirpus americanus	Olney Threesquare	2.24 kg of PLS/Hectare	Rhizome
	Scirpus maritimus	Alkali bulrush	2.24 kg of PLS/Hectare	Rhizome
	Shepherdia argentea	Silver Buffaloberry	4.45 kg of PLS/Hectare	Shrub
	Sporobolus airoides	Alkali Sacaton	0.28 kg of PLS/Hectare	Bunch
	Total:		19.47 kg of PLS/Hectare	

Notes:
A. Broadcast Alkaligrass, Alali sacaton and Marsh Indian Paintbrush.
B. Drill balance of mixture at 16mm in sandy soil, drill at 13mm if clay content exceeds 25%.
C. Forbs and shrubs should be seeded in different rows.
D. Increase seeding rate by 1/3 in areas that must be broadcast.

WASATCH CONSTRUCTORS

JUN 22 1998

RELEASED FOR CONSTRUCTION

(AMSM#7) ALPINE MEADOW SEED MIX #7

SYMBOL	BOTANICAL NAME	COMMON NAME	SEEDING RATE	REMARKS
	Aster tenacetifolius	Prarie Aster	1.20 kg of PLS/Hectare	Perennial flower
	Cerocarpus ledifolius	Curl-leaf Mountain Mahogany	2.70 kg of PLS/Hectare	Shrub
	Elymus lanceolatus ssp. riparium 'Sodar'	Sodar Streambank Wheatgrass	1.20 kg of PLS/Hectare	Grass
	Festuca ovina 'Covar'	Covar Sheep Fescue	2.40 kg of PLS/Hectare	Grass
	Linum lewisii 'Appar'	Appar Blue Flax	0.40 kg of PLS/Hectare	Perennial flower
	Monarda fistulosa	Wild Bergamot	0.40 kg of PLS/Hectare	Perennial flower
	Penstemon cyamanthus	Wasatch Penstemon	0.28 kg of PLS/Hectare	Perennial flower
	Penstemon eatonii	Firecracker Penstemon	0.56 kg of PLS/Hectare	Perennial flower
	Penstemon palmeri	Palmer Penstemon	1.68 kg of PLS/Hectare	Perennial flower
	Penstemon strictus	Rocky Mountain Penstemon	0.28 kg of PLS/Hectare	Perennial flower
	Poa sandbergii	Sandberg Bluegrass	0.80 kg of PLS/Hectare	Grass
	Pseudoroegneria spicata ssp. spicata	Newhy Hybrid Wheatgrass	1.20 kg of PLS/Hectare	Grass
	Rhus trilobata	Oakbrush Sumac	2.70 kg of PLS/Hectare	Shrub
	Rosa woodsii	Woods Rose	1.20 kg of PLS/Hectare	Shrub
	Sambucus coerulea	Blue Elderberry	1.20 kg of PLS/Hectare	Shrub
	Sphaeralcea grossulariaefolia	Gooseberry-leaf Globemallow	1.40 kg of PLS/Hectare	Perennial flower (forb)
	Sphaeralcea munroana	Munro Globemallow	0.56 kg of PLS/Hectare	Perennial flower (forb)
	Symphoricarpos albus	Common Snowberry	1.80 kg of PLS/Hectare	Shrub
	Total:		21.96 kg of PLS/Hectare	

Notes:
A. Broadcast Prarie Aster.
B. Drill all grasses in seperate bin at 13mm deep.
C. Drill all Perennials in seperate bin at 13mm deep.
D. Drill all shrubs in seperate bin at 25mm deep.

LICENSED LANDSCAPE ARCHITECT No. 103286 JOHN C. MAAS 6.3.98 STATE OF UTAH

LICENSED LANDSCAPE ARCHITECT No. 103201 BRUCE JORGENSEN STATE OF UTAH

APPROVED FOR CONSTRUCTION

NO.	DATE	DESCRIPTION
1	6/3/98	Release for construction

UTAH DEPARTMENT OF TRANSPORTATION
ASWN INC. / GSBS ARCHITECTS
SVERDRUP/DE LEUW

I-15 CORRIDOR RECONSTRUCTION

LANDSCAPE LEGEND

CORRIDOR STANDARD PLAN

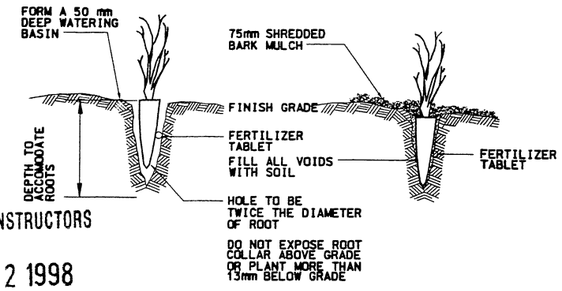
PROJECT NUMBER *SP-15-7(135)296

APPROVAL RECOMM.	J. BRUCE JORGENSEN JOHN MAAS PROJECT DESIGN ENGINEER	DESIGN JRB/RES DRAWN JJH/JJS QUANT.
APPROVED	ROBERT HOSLER SECTION MANAGER	CHECK CHECK CHECK

SALT LAKE COUNTY

DWG. NO. CS-141-8

SHT. 8 OF 10



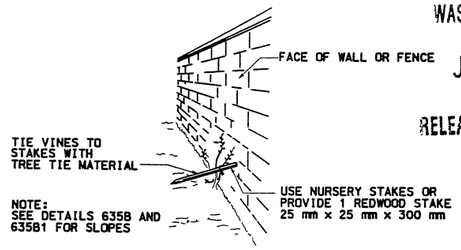
WASATCH CONSTRUCTORS

JUN 2 2 1998

RELEASED FOR CONSTRUCTION

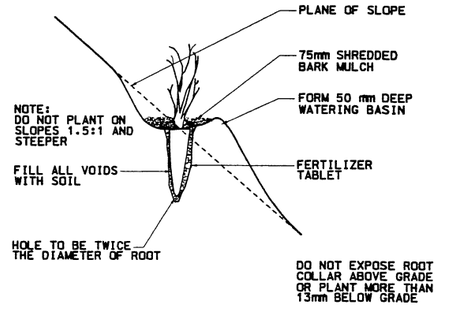
Ⓓ Tubling Container Planting

Not to Scale 635A



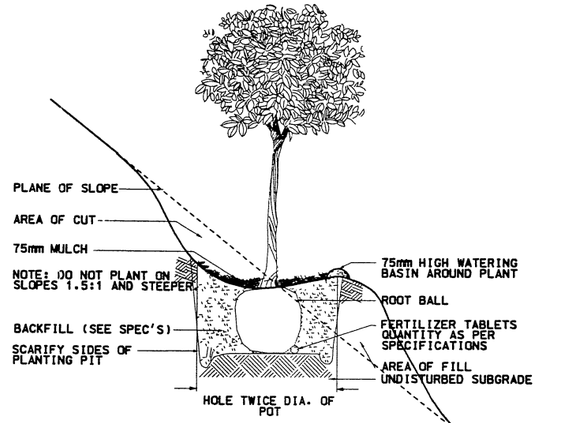
Ⓖ Vine Staking Detail

Not to Scale 635d



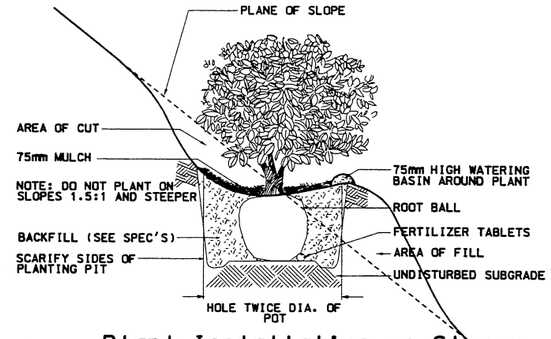
Ⓒ Tubling Container Slope Planting

Not to Scale 635A1



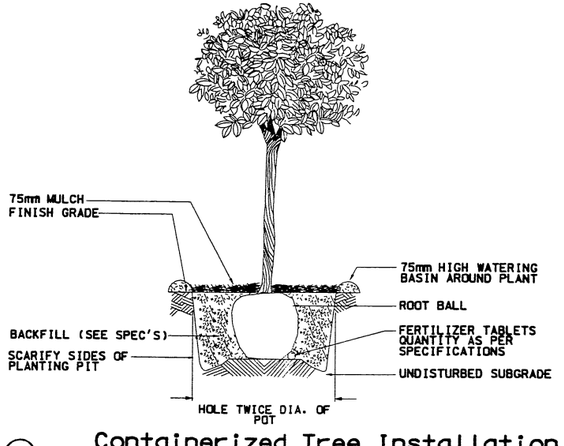
Ⓕ Tree Installation on Slopes

Not to Scale 635C1



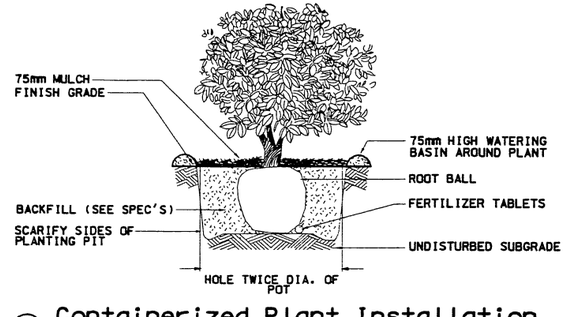
Ⓑ Plant Installation on Slopes

Not to Scale 635B1



Ⓔ Containerized Tree Installation

Not to Scale 635C



Ⓐ Containerized Plant Installation

Not to Scale 635B

LICENSED LANDSCAPE ARCHITECT
No. 172101
J. BRUCE JORGENSEN
6.5.98
STATE OF UTAH

LICENSED LANDSCAPE ARCHITECT
No. 103206
JOHN C. MAAS
6.5.98
STATE OF UTAH

APPROVED FOR CONSTRUCTION

NO.	DATE	DESCRIPTION
1	6/3/98	Release for construction

UTAH DEPARTMENT OF TRANSPORTATION

ASWN INC. / GSBS ARCHITECTS
SVERDRUP/DE LEUW

DESIGN JRB/RES — CHECK
DRAWN JJH/JJS — CHECK
QUANT. — CHECK

J. BRUCE JORGENSEN — PROJECT DESIGN ENGINEER — DATE
JOHN MAAS — APPROVAL RECOMM. — DATE
ROBERT HOSLER — SECTION MANAGER — APPROVED — DATE

I-15 CORRIDOR RECONSTRUCTION

LANDSCAPE DETAILS

STANDARD CORRIDOR PLAN

PROJECT NUMBER *SP-15-7(135)296

SALT LAKE COUNTY

DWG. NO. CS-141-9

SHT. 9 OF 10

PLANTING NOTES

1. The design intent is to have highway landscape planting extend from right-of-way to right-of-way. Any discrepancy shall be brought to the attention of the Project Engineer.

2. Quantities of trees, tublets, and seed mixes are to be adhered to. Any area discrepancies are to be adjusted with the "Dryland Grass" seed mixes denoted by an asterisk (*).

3. Obtain written approval from the Project Engineer on any deviation from the plans or specifications and on all "equal" material substitutes prior to purchase and installation. All materials and workmanship used on this project shall conform to the RFP.

4. The Landscape Contractor shall coordinate weed control as outlined in the specifications with seed bed preparation and planting bed layout.

5. Planting beds shall drain properly to prevent standing water from occurring. Call improperly draining planting areas as evidenced by standing water to the attention of the Project Engineer before planting.

6. Face each plant to give the most pleasing look as seen from a line perpendicular to the traffic lane from which it is viewed.

7. Landscape planting shall not take place on slope 1.5:1 and steeper. The Landscape Contractor shall notify the Project Engineer of any planting that conflicts with steepened slopes. Planting that conflicts shall be adjusted to flatter slopes as directed by the Project Engineer.

8. The shrub planting areas, 1 gallon and tublings, shall be planted in a random mixture of the plants that are called out in each group. The plants shall be layed out in a triangular spacing.

WASATCH CONSTRUCTORS

JUN 2 2 1998

RELEASED FOR CONSTRUCTION

LICENSED LANDSCAPE ARCHITECT
No. 103206
JOHN C. MAAS
6-5-98
STATE OF UTAH

LICENSED LANDSCAPE ARCHITECT
No. 10210
J. BRUCE JORGENSEN
6-5-98
STATE OF UTAH

APPROVED FOR CONSTRUCTION

NO.	DATE	DESCRIPTION
1	6/3/98	Release for construction

UTAH DEPARTMENT OF TRANSPORTATION
GSBS ARCHITECTS/ ASWN ARCHITECTS
SVERDRUP/DE LEUW

APPROVAL RECOMM.	J. BRUCE JORGENSEN JOHN C. MAAS	DESIGN JRB/RES 11/97 CHECK
DATE	PROJECT DESIGN ENGINEER	DRAWN JJH/JJS 11/97 CHECK
APPROVED	ROBERT HOSLER	QUANT. CHECK
DATE	SECTION MANAGER	

I-15 CORRIDOR RECONSTRUCTION

PLANTING NOTES

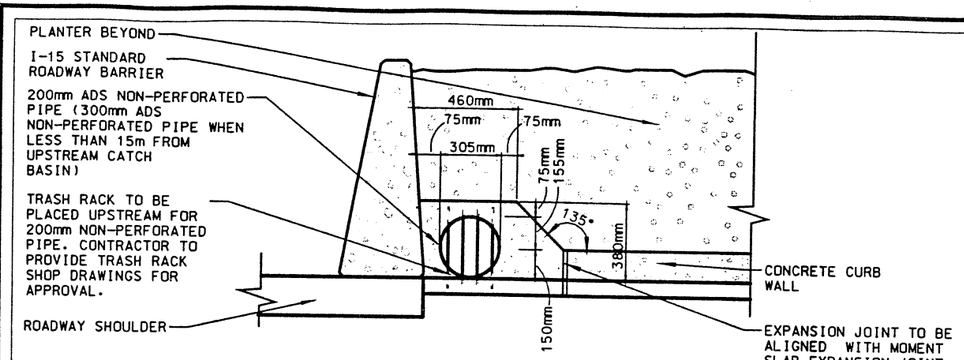
CORRIDOR STANDARD PLAN

PROJECT NUMBER *SP-15-7(135)296

SALT LAKE COUNTY

DWG. NO. CS-141-10

SHT. 10 OF 10



E TYPE 'A' PLANTER- ELEVATION

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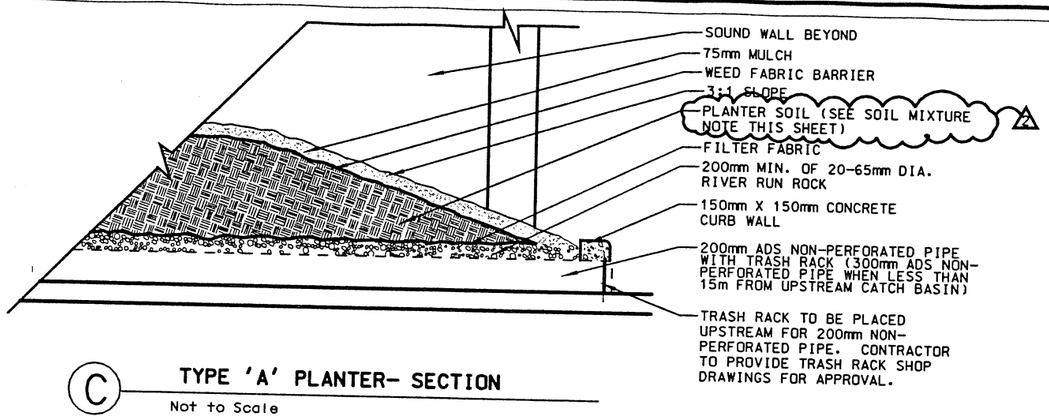

C TYPE 'A' PLANTER- SECTION

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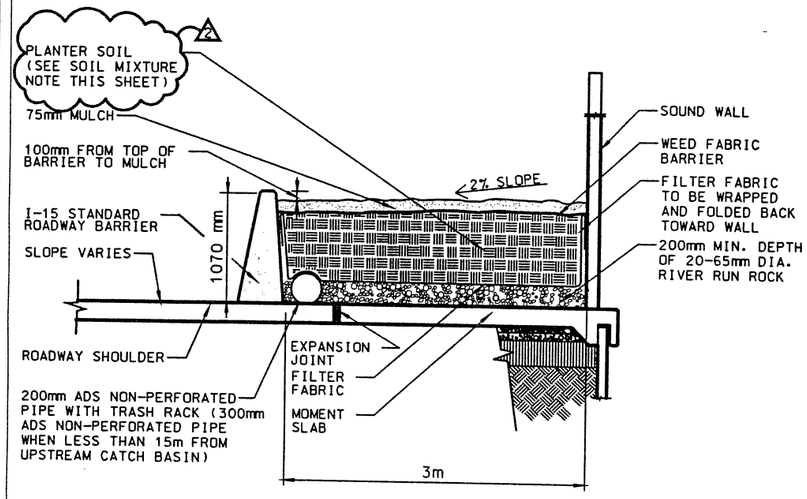

D TYPE 'A' PLANTER- SECTION

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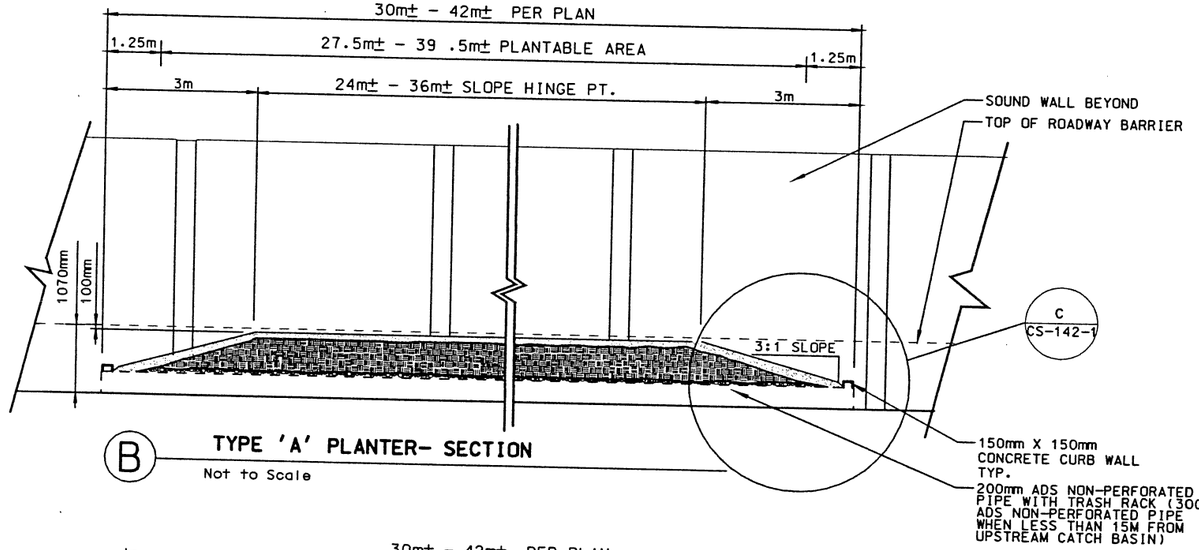

B TYPE 'A' PLANTER- SECTION

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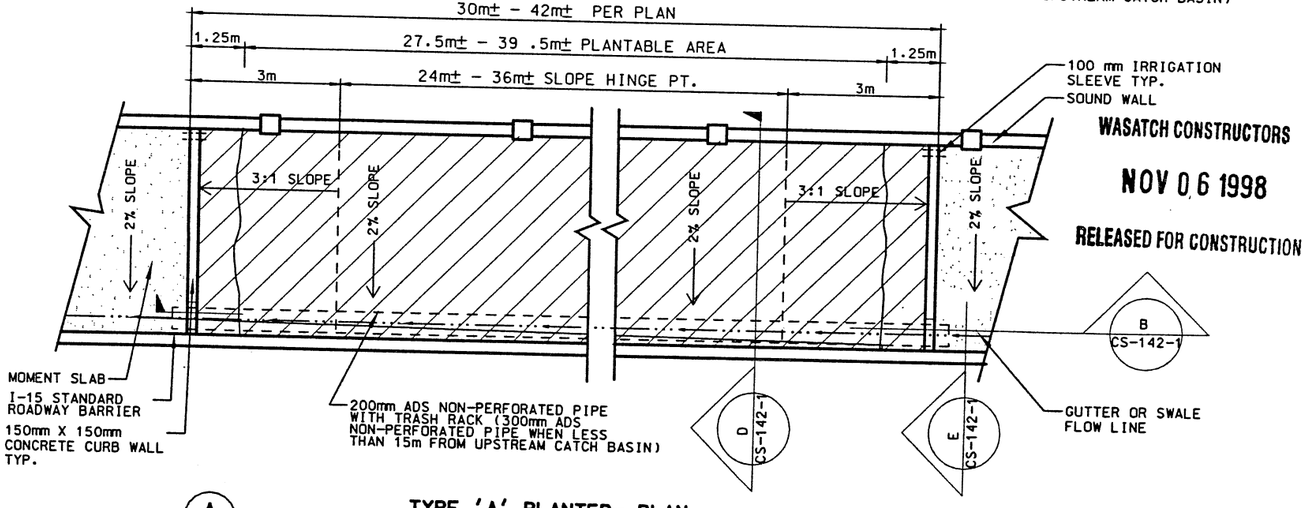


A TYPE 'A' PLANTER- PLAN

Not to Scale

NOTE: SEE ROADWAY PLANS FOR LOCATION OF PAVED SWALE.

SOIL MIXTURE NOTE:
1-PLANTER PLANTS TO BE BACKFILLED 1/3 VOLUME NUTRI-MULCH, 2/3 SOIL.
2-SOIL MIXTURE TO BE COMPRISED OF:
20%-75% SAND
20%-70% SILT
10%-30% CLAY
3-ENTIRE PLANTER TO BE BROADCAST WITH MYCORRHIZAE AT 7.4 LITERS PER 1000 SQ. METERS BEFORE WEED BARRIER FABRIC.
4-ENTIRE PLANTER TO BE BROADCAST WITH FERTILIZER AT 33 KG. PER 1000 SQ. METERS BEFORE WEED BARRIER FABRIC.

LICENSED LANDSCAPE ARCHITECT No. 102101 JOHN C. MAAS 10.30.98 STATE OF UTAH

LICENSED LANDSCAPE ARCHITECT No. 102101 J. BRUCE JORGENSEN 10-02-98 STATE OF UTAH

WASATCH CONSTRUCTORS
NOV 06 1998
RELEASED FOR CONSTRUCTION

APPROVED FOR CONSTRUCTION

NO.	DATE	DESCRIPTION
1	6/2/98	Release for construction
2	10/30/98	Release for full roadway construction NOC #0287

UTAH DEPARTMENT OF TRANSPORTATION
ASWN INC./GSBS ARCHITECTS
SVERDRUP/DE LEUW

APPROVAL RECOMM. J. BRUCE JORGENSEN DATE
JOHN MAAS PROJECT DESIGN ENGINEER
APPROVED ROBERT HOSLER DATE
SECTION MANAGER

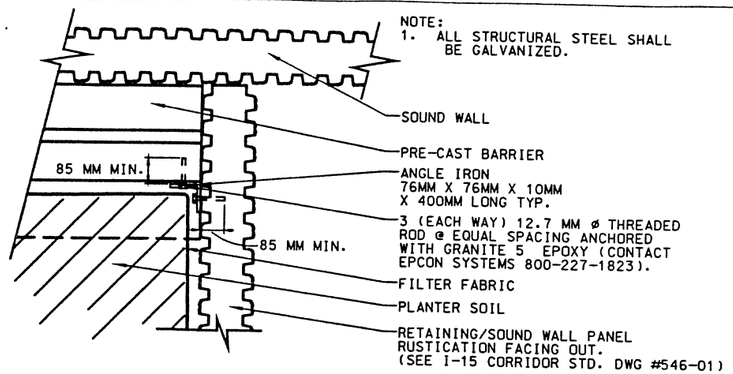
DESIGN RES/JRB 5/98 CHECK
DRAWN JJS/JJH 5/98 CHECK
QUANT. CHECK

I-15 CORRIDOR RECONSTRUCTION
TYPE 'A' PLANTER DETAILS
CORRIDOR STANDARD PLAN
TRACKING NUMBER
PROJECT NUMBER *SP-15-7(135)296

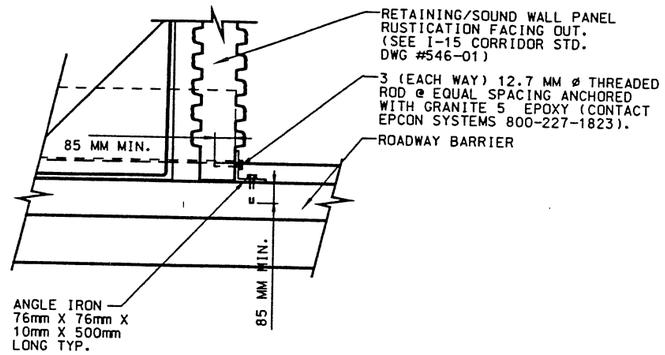
SALT LAKE COUNTY
DWG. NO. CS-142-1
SHT. 1 OF 5

Filename: n:\dgn\15_codd\std_dgn\landscape\cs-142-1.dgn
Date: 29-OCT-1998 Time: 11:07 User name: GLBERSL

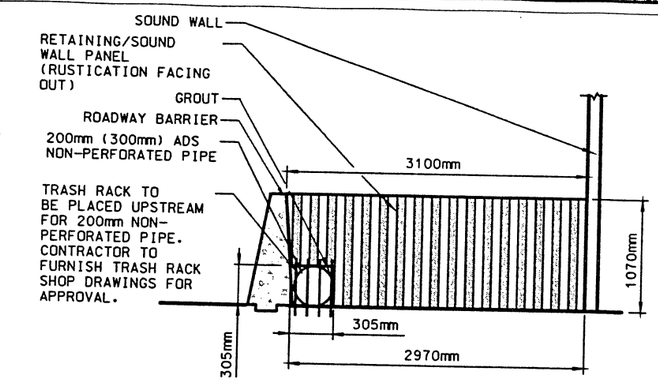
NOTE:
1. ALL STRUCTURAL STEEL SHALL BE GALVANIZED.



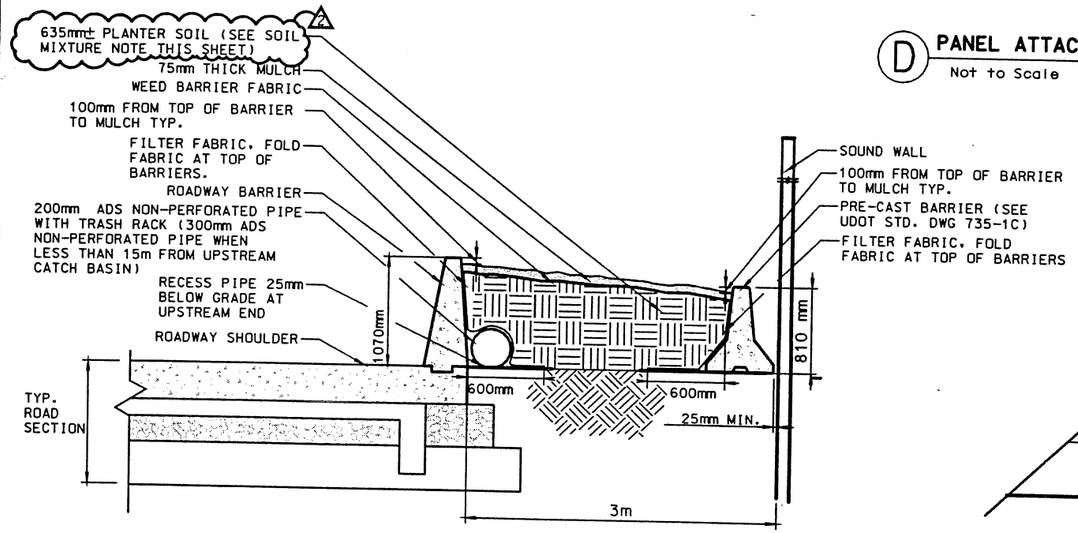
F PANEL ATTACHMENT TO PRECAST BARRIER- DETAIL
Not to Scale



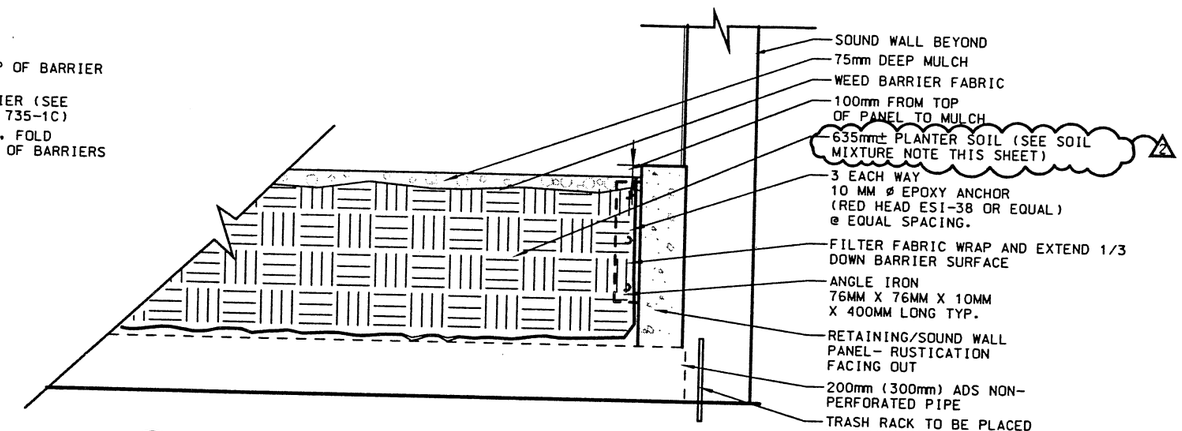
D PANEL ATTACHMENT TO ROADWAY BARRIER- DETAIL
Not to Scale



C SOUND PANEL- ELEVATION
Not to Scale

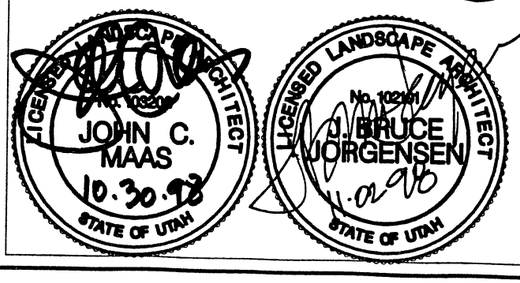


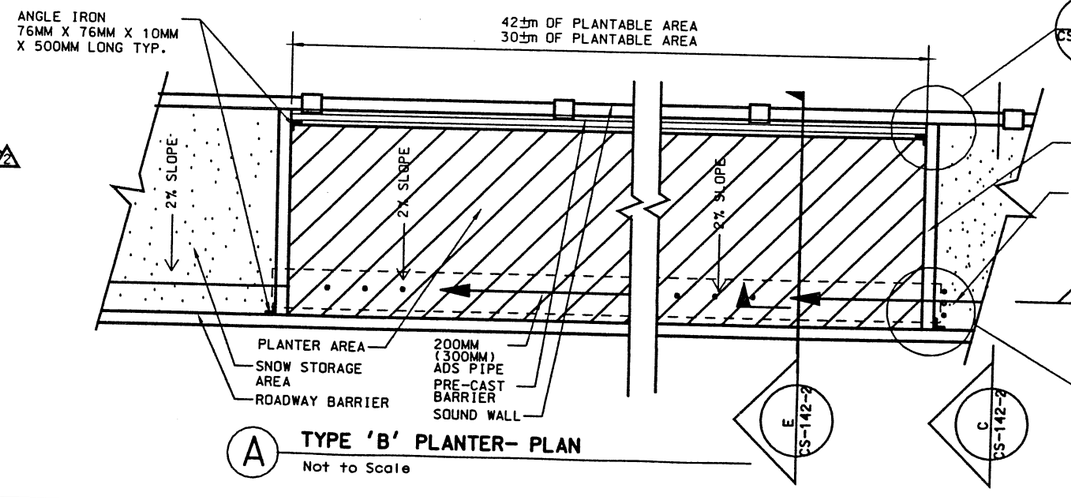
E TYPE 'B' PLANTER- SECTION
Not to Scale



B TYPE 'B' PLANTER- SECTION
Not to Scale

SOIL MIXTURE NOTE:
1-PLANTER PLANTS TO BE BACKFILLED 1/3 VOLUME NUTRI-MULCH. 2/3 SOIL.
2-SOIL MIXTURE TO BE COMPRISED OF :
20-75% SAND
20-70% SILT
10-30% CLAY
3-ENTIRE PLANTER TO BE BROADCAST WITH MYCORRHIZAE AT 7.4 LITERS PER 1000 SQ. METERS BEFORE WEED BARRIER FABRIC.
4-ENTIRE PLANTER TO BE BROADCAST WITH FERTILIZER AT 33 KG. PER 1000 SQ. METERS BEFORE WEED BARRIER FABRIC.





A TYPE 'B' PLANTER- PLAN
Not to Scale

WASATCH CONSTRUCTORS
NOV 06 1998
RELEASED FOR CONSTRUCTION

APPROVED FOR CONSTRUCTION

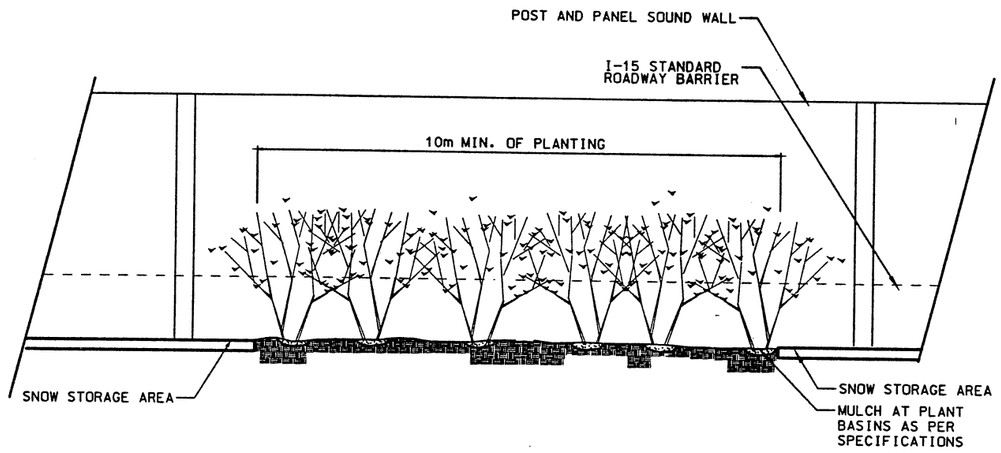
NO.	DATE	DESCRIPTION
1	6/2/98	Release for construction
2	10/30/98	Release for full road way construction NOC #0287

UTAH DEPARTMENT OF TRANSPORTATION
ASWN INC./OSBS ARCHITECTS
SVERDRUP/DE LEUW

DESIGN RES/JRB 11/97 CHECK
DRAWN JJS/AJH 11/97 CHECK
QUANT. CHECK

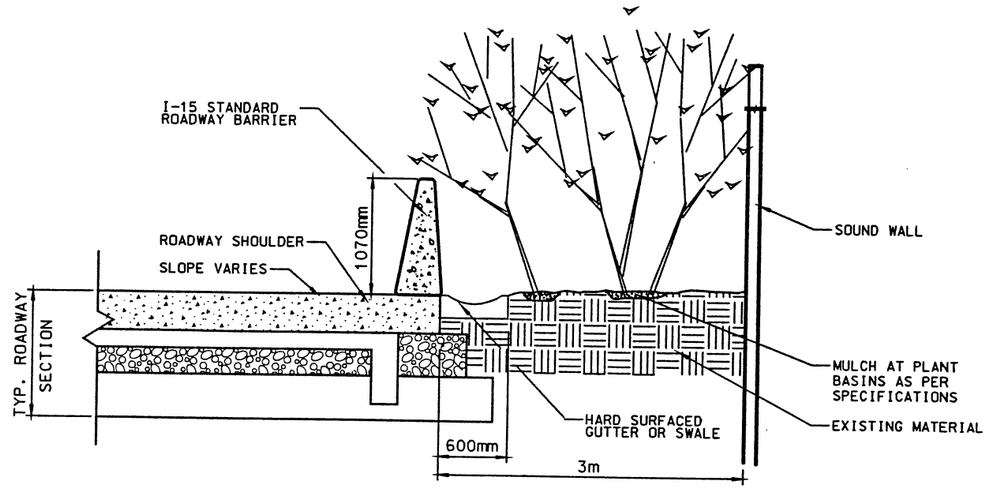
J. BRUCE JORGENSEN — PROJECT DESIGN ENGINEER
JOHN MAAS — DATE
ROBERT HOSLER — SECTION MANAGER
APPROVAL RECOMM. — DATE
APPROVED — DATE

I-15 CORRIDOR RECONSTRUCTION
TYPE 'B' PLANTER DETAILS
CORRIDOR STANDARD PLAN
TRACKING NUMBER
PROJECT NUMBER *SP-15-7(135)296
SALT LAKE COUNTY
DWG. NO. CS-142-2



C **TYPE 'C' PLANTER- ELEVATION**

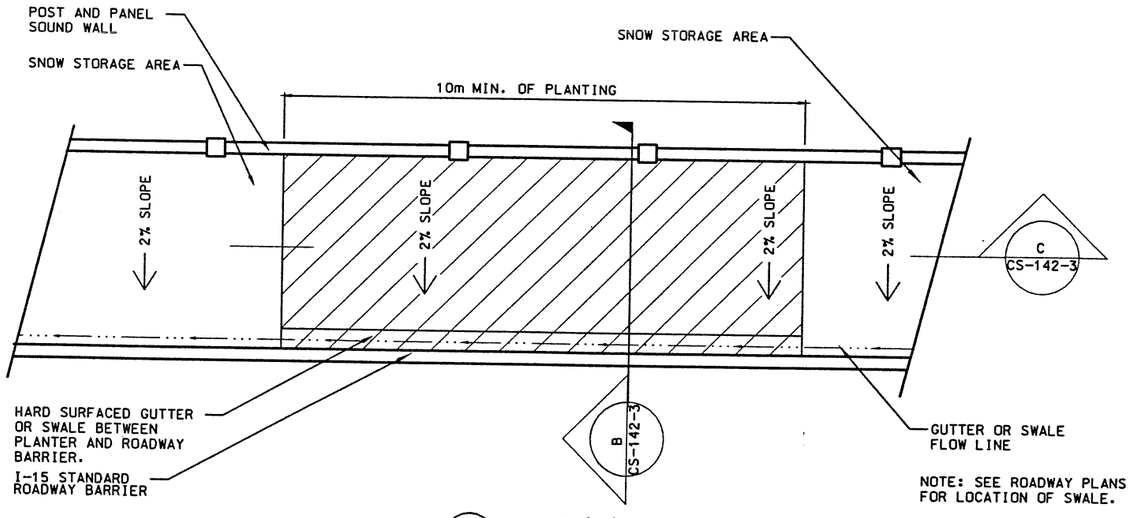
Not to Scale



NOTE: SEE ROADWAY PLANS FOR LOCATION OF PAVED SWALE.

B **TYPE 'C' PLANTER- SECTION**

Not to Scale



NOTE: SEE ROADWAY PLANS FOR LOCATION OF SWALE.

A **TYPE 'C' PLANTER- PLAN**

Not to Scale

LICENSED LANDSCAPE ARCHITECT No. 102101 J. BRUCE JORGENSEN 6.15.98 STATE OF UTAH

LICENSED LANDSCAPE ARCHITECT No. 102136 JOHN MAAS 6-15-98 STATE OF UTAH

WASATCH CONSTRUCTORS

JUN 18 1998

RELEASED FOR CONSTRUCTION

APPROVED FOR CONSTRUCTION

NO.	DATE	DESCRIPTION
1	6/2/98	Release for construction

UTAH DEPARTMENT OF TRANSPORTATION

ASWN INC./GSBS ARCHITECTS
SVERDRUP/DE LEUW

J. BRUCE JORGENSEN — APPROVAL RECOM. — DATE — PROJECT DESIGN ENGINEER
JOHN MAAS — APPROVED — DATE — SECTION MANAGER
ROBERT HOSLER

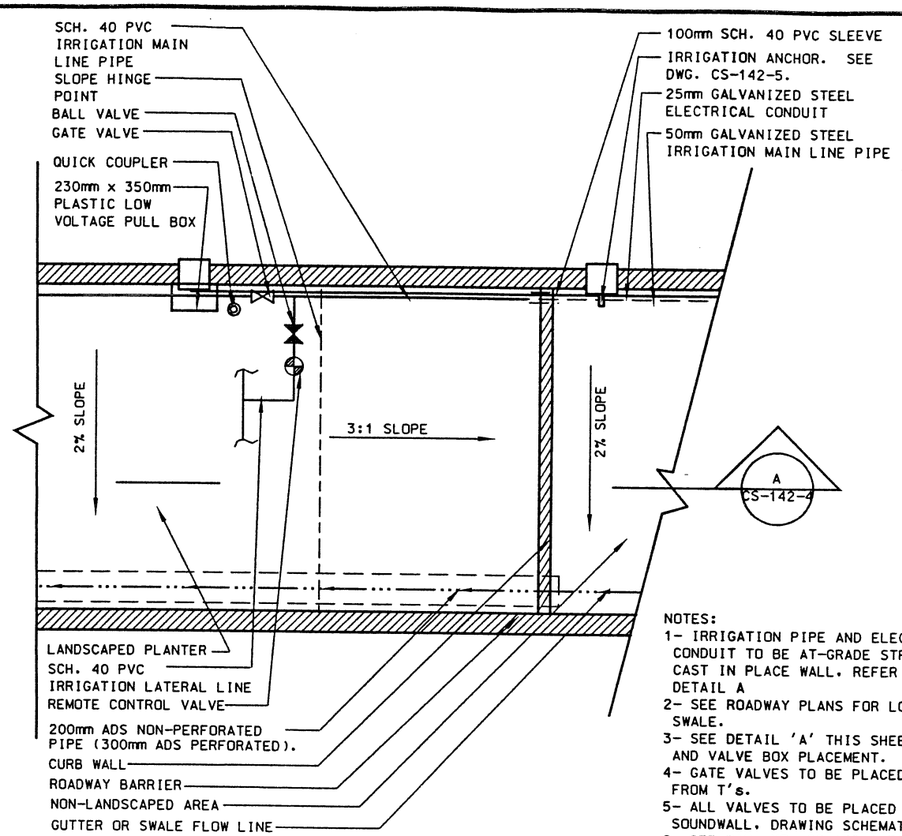
DESIGN RES./JRB 11/97 — CHECK
DRAWN JJS/JJH 11/97 — CHECK
QUANT. — CHECK

I-15 CORRIDOR RECONSTRUCTION
TYPE 'C' PLANTER DETAILS
CORRIDOR STANDARD PLAN

TRACKING NUMBER

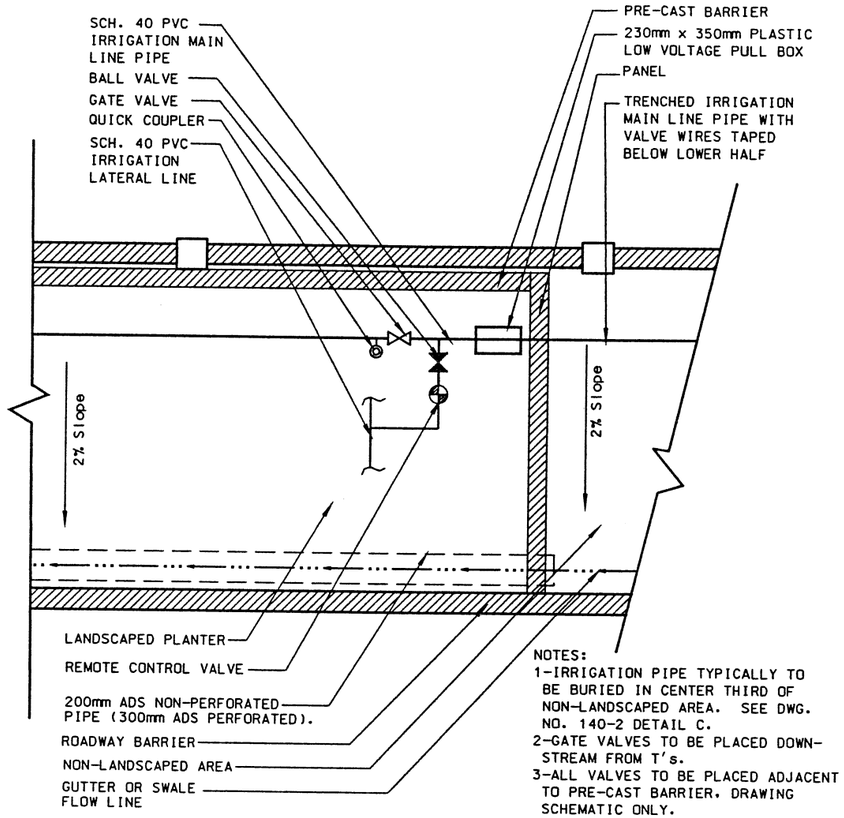
PROJECT NUMBER *SP-15-7(1135)296

SALT LAKE COUNTY
DWG. NO. CS-142-3



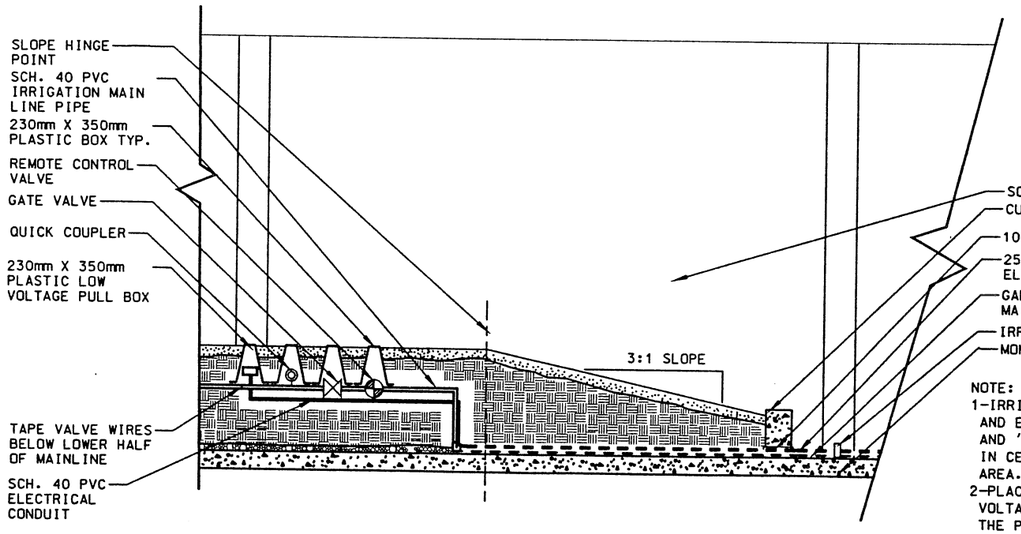
NOTES:
1- IRRIGATION PIPE AND ELECTRICAL CONDUIT TO BE AT-GRADE STRAPPED TO CAST IN PLACE WALL. REFER TO CS-142-5 DETAIL A
2- SEE ROADWAY PLANS FOR LOCATION OF PAVED SWALE.
3- SEE DETAIL 'A' THIS SHEET FOR VALVE AND VALVE BOX PLACEMENT.
4- GATE VALVES TO BE PLACED DOWNSTREAM FROM T's.
5- ALL VALVES TO BE PLACED ADJACENT TO SOUNDWALL. DRAWING SCHEMATIC ONLY.
6- SEE DWG. NO. CS-142-1 FOR TYPE-A PLANTER CONSTRUCTION.

(C) TYPE 'A' PLANTER- IRRIGATION DETAIL
Not to Scale



NOTES:
1-IRRIGATION PIPE TYPICALLY TO BE BURIED IN CENTER THIRD OF NON-LANDSCAPED AREA. SEE DWG. NO. 140-2 DETAIL C.
2-GATE VALVES TO BE PLACED DOWN-STREAM FROM T's.
3-ALL VALVES TO BE PLACED ADJACENT TO PRE-CAST BARRIER. DRAWING SCHEMATIC ONLY.
4-SEE DWG. NO. CS-142-2 FOR TYPE-B PLANTER CONSTRUCTION.

(B) TYPE 'B' PLANTER- IRRIGATION DETAIL
Not to Scale



NOTE:
1-IRRIGATION MAIN LINE PIPE AND ELECTRICAL CONDUIT FOR TYPE 'B' AND 'C' PLANTERS TO BE TRENCHED IN CENTER THIRD OF NON-LANDSCAPED AREA. SEE DWG. 140-2 DETAIL C.
2-PLACE 230mm X 350mm PLASTIC LOW VOLTAGE PULL BOX UPON EXITING THE PLANTER.

(A) TYPE 'A' PLANTER- ELEVATION
Not to Scale

WASATCH CONSTRUCTORS
JUN 18 1998
RELEASED FOR CONSTRUCTION

LICENSED LANDSCAPE ARCHITECT No. 103206 JOHN C. MAAS 6-15-98 STATE OF UTAH

LICENSED LANDSCAPE ARCHITECT No. 10[illegible] J. BRUCE JORGENSEN 6-11-98 STATE OF UTAH

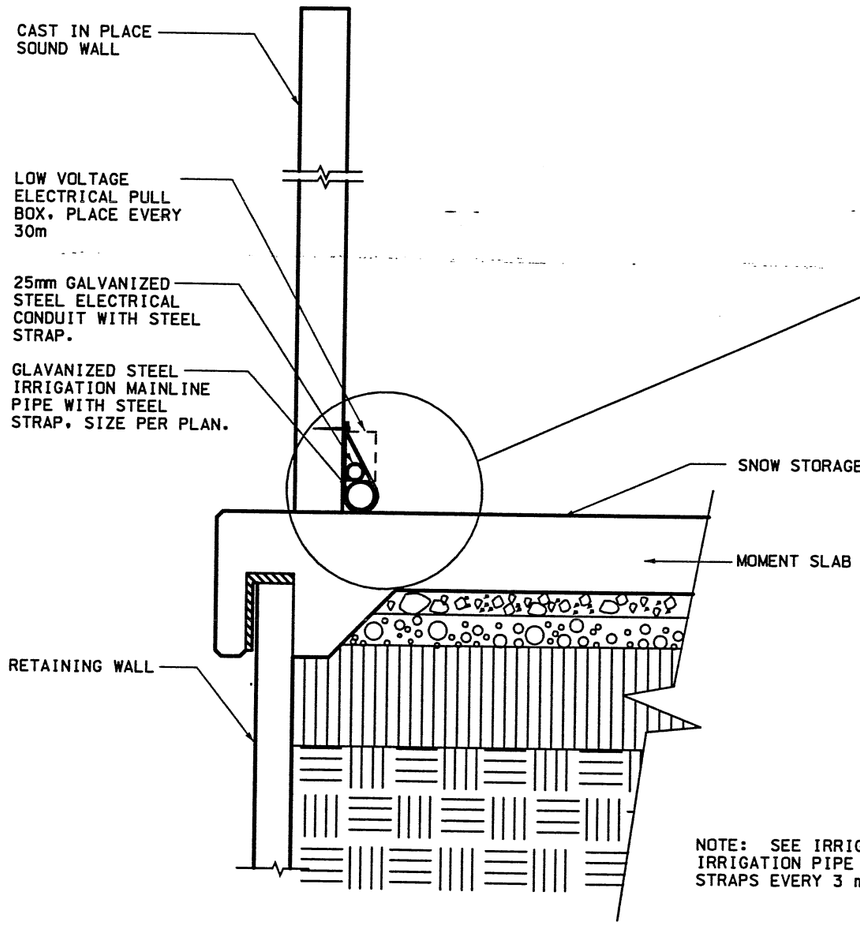
APPROVED FOR CONSTRUCTION

NO.	DATE	DESCRIPTION
1	6/2/98	Release for construction

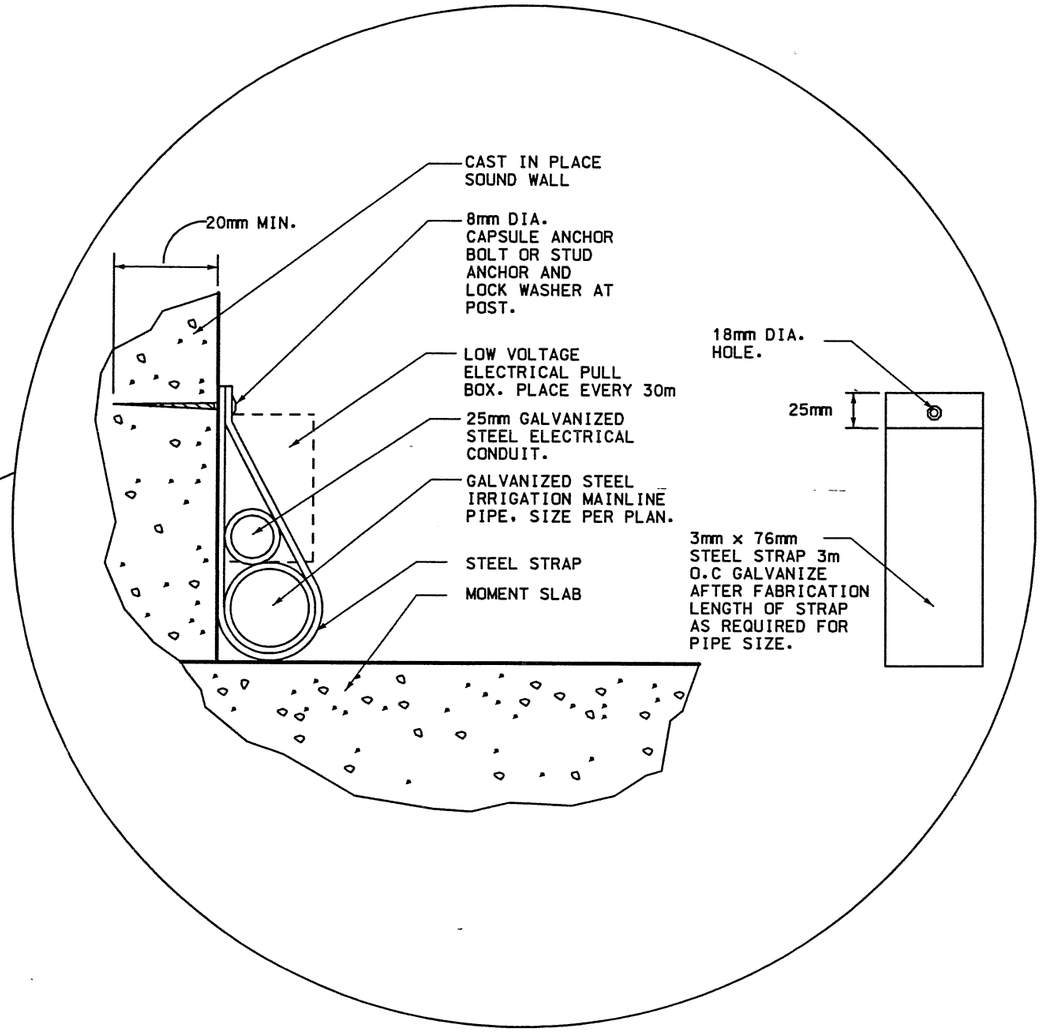
UTAH DEPARTMENT OF TRANSPORTATION
ASWN INC./GSBS ARCHITECTS
SVERDRUP/DE LEUW

APPROVAL RECOMM.	J. BRUCE JORGENSEN JOHN MAAS	DESIGN RES/JRB 11/97
DATE	PROJECT DESIGN ENGINEER	DRAWN JJS/AJH 11/97
APPROVED	ROBERT HOSLER	QUANT.
DATE	SECTION MANAGER	

I-15 CORRIDOR RECONSTRUCTION
PLANTER 'A' & 'B' IRR. DETAIL
CORRIDOR STANDARD PLAN
PROJECT NUMBER #SP-15-7(135)296
SALT LAKE COUNTY
DWG. NO. CS-142-4
SHT. 4 OF 5



NOTE: SEE IRRIGATION PLANS FOR IRRIGATION PIPE SIZING. PLACE STEEL STRAPS EVERY 3 m.



WASATCH CONSTRUCTORS

JUN 28 1999

RELEASED FOR CONSTRUCTION

LICENSED LANDSCAPE ARCHITECT
No. 109206
JOHN C. MAAS
5.24.99
STATE OF UTAH

A IRRIGATION ANCHOR DETAIL FOR CAST IN PLACE WALL

Not to Scale

APPROVED FOR CONSTRUCTION

NO.	DATE	DESCRIPTION
1	6/2/98	Release for construction
2	5/24/99	FINAL SUBMITTAL COMMENTS

UTAH DEPARTMENT OF TRANSPORTATION
ASWN INC. /GSBS ARCHITECTS
SVERDRUP/DE LEUW

DESIGN: JRB/SLG 05/98 CHECK
DRAWN: SLG 05/98 CHECK
QUANT. CHECK

J. BRUCE JORGENSEN / JOHN MAAS — PROJECT DESIGN ENGINEER — APPROVAL RECOMM. 01/05/98 DATE
ROBERT HOSLER — SECTION MANAGER — APPROVED 01/05/98 DATE

I-15 CORRIDOR RECONSTRUCTION
IRRIGATION ANCHOR DETAIL
CORRIDOR STANDARD PLAN
PROJECT NUMBER *SP-15-7(135)296

SALT LAKE COUNTY
DWG. NO. CS-142-5
SHT. 5 OF 5

Date: 09-SEP-1998 Time: 09:17 Username: boesjr

EROSION CONTROL NOTES

1. The contractor shall refer to the Grading Plans, Typical Sections and Cross Sections for planned side slopes to identify areas and slopes to receive erosion control. Sections 630 Mulch, 632 Erosion Control Blanket, Maintenance After Construction Section 5.0 300 Roadside Maintenance and the Corridor Standard Details shall also be coordinated.

2. Slopes that are steeper than 2:1, except those areas at bridge abutments which call for slope paving shall be seeded and covered with erosion control blanket.

3. Slopes that are called out as 2:1 shall be field checked for problem conditions and situations by the Contractor and the Project Engineer to identify areas to receive erosion control blanket. Areas of concern shall include areas identified to receive excess roadway runoff, slopes of excessive elevation change, (3 meters and greater), and other field identified conditions. All other 2:1 slopes shall be seeded and receive a hydro-mulch cap and planted as called out on the Landscape Plans.

4. Slopes that are flatter than 2:1 shall be field checked for problem conditions and situations with the Contractor and the Project Engineer to identify areas to receive additional erosion control measures. Areas of concern shall include areas identified to recieve excess roadway runoff, slopes of excessive elevation change, (4 meters and greater), and other field identified conditions. All other slopes shall be seeded and planted as called out on the Landscape Plans.

5. The Contractor shall provide monthly inspection of completed slopes to detect and repair areas where erosion control methods have failed. The Contractor shall inspect all slopes that are 2:1 and steeper after each storm not to exceed 6mm per hour or 25mm total in a 24 hour period. Temporary repairs to areas of erosion shall be made within 72 hours of notification. Permanent repairs shall be made within 180 days of notification. Permanent repairs shall include required preventitive measures against future problems.

6. Erosion control methods should establish a vegetative stand under normal climatic conditions. Areas that do not achieve an acceptable vegetative stand should be evaluated as to cause and corrective measures to be taken.

WASATCH CONSTRUCTORS

SEP 1 1 1998

RELEASED FOR CONSTRUCTION

LICENSED LANDSCAPE ARCHITECT
No. 103206
JOHN C. MAAS
9.9.98
STATE OF UTAH

LICENSED LANDSCAPE ARCHITECT
J. BRUCE JORGENSEN
9.9.98
STATE OF UTAH

APPROVED FOR CONSTRUCTION

NO.	DATE	DESCRIPTION
1	9/9/98	Revised for construction, original issue.

UTAH DEPARTMENT OF TRANSPORTATION
GSBS ARCHITECTS/ ASWN ARCHITECTS
SVERDRUP/DE LEUW

APPROVAL RECOMM.	J. BRUCE JORGENSEN JOHN MAAS	DESIGN JRB/RES 5/98 CHECK
DATE	PROJECT DESIGN ENGINEER	
APPROVED	ROBERT HOSLER	DRAWN JRB 5/98 CHECK
DATE	SECTION MANAGER	QUANT. CHECK

I-15 CORRIDOR RECONSTRUCTION

EROSION CONTROL NOTES

CORRIDOR STANDARD PLAN

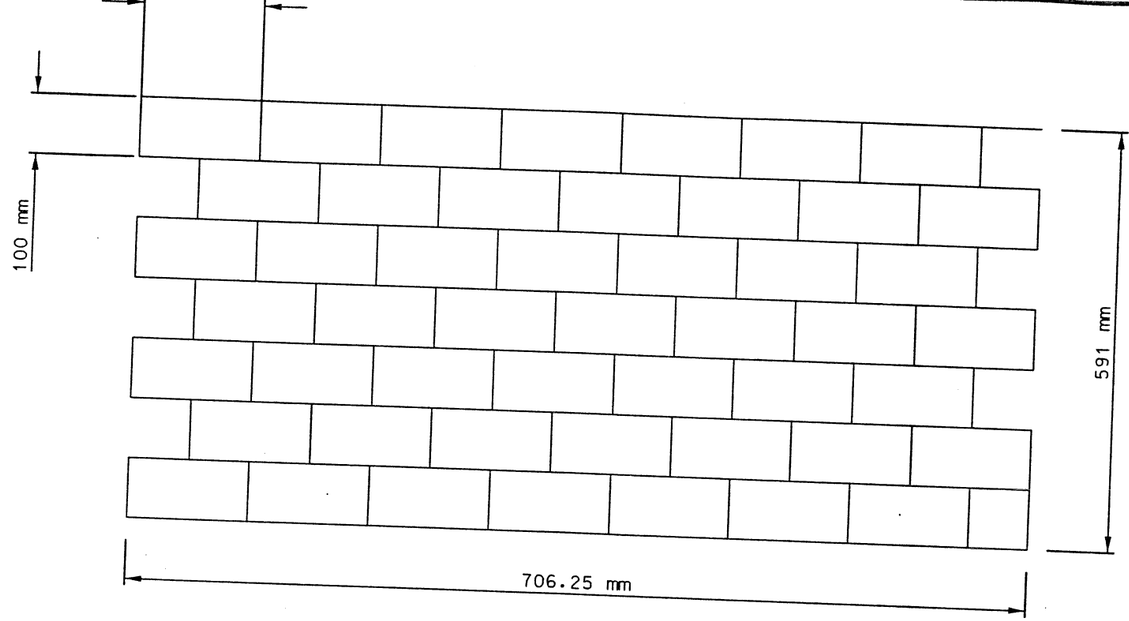
PROJECT NUMBER *SP-15-7(135)296

SALT LAKE COUNTY

DWG. NO. CS-143-1

SHT. ____ OF ____

Filename: d:\dgn\115_ockt\std_dgn\landscape\cs-143-1.dgn

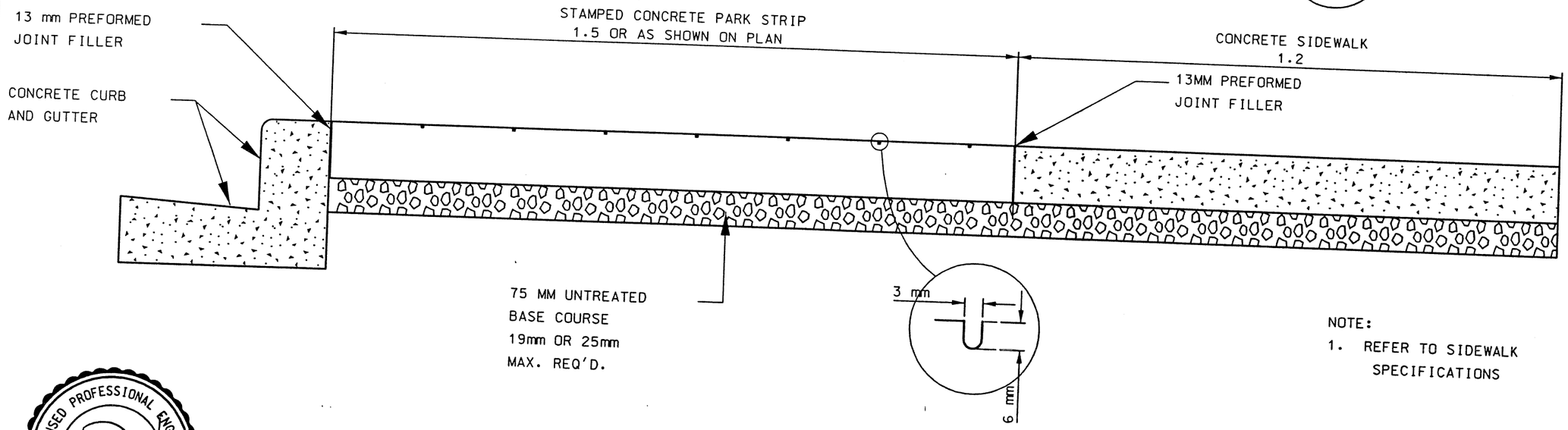


PATTERNED CONCRETE TEMPLATE PLAN

NO SCALE

B
CS-144-1

NOTE:
1. PALCE PREFORMED JOINT FILLER EVERY 10 M AS PER CS-65-3.
2. ALL MEASUREMENTS IN METERS UNLESS OTHERWISE NOTED



NOTE:
1. REFER TO SIDEWALK SPECIFICATIONS

LICENSED PROFESSIONAL ENGINEER
No. 97-342329-2202
JAMES F. KLEMZ
STATE OF UTAH
11-13-98

PATTERNED CONCRETE SECTION

PATTERNED CONRETE PARK STRIP
NO SCALE

A
CS-144-1

WASATCH CONSTRUCTORS
NOV 16 1998
RELEASED FOR CONSTRUCTION

APPROVED FOR CONSTRUCTION

NO.	DATE	DESCRIPTION
1	11/10/98	100% FULL RELEASE

UTAH DEPARTMENT OF TRANSPORTATION
SVERDRUP/DE LEUW

DESIGN RDH	11/10/98	CHECK JRB	11/10/98
DRAWN JJH	11/10/98	CHECK JJH	11/10/98
QUANT.		CHECK	

APPROVAL RECOMM. 11/10/98 DATE — ROBERT HOSLER PROJECT DESIGN ENGINEER
APPROVED 11/10/98 DATE — JAMES KLEMZ SECTION MANAGER

I-15 CORRIDOR RECONSTRUCTION
PATTERNED CONCRETE DETAIL
CORRIDOR STANDARD PLAN
PROJECT NUMBER *SP-15-7(1135)296
SALT LAKE COUNTY
DWG. NO. CS-144-1
SHT. ____ OF ____