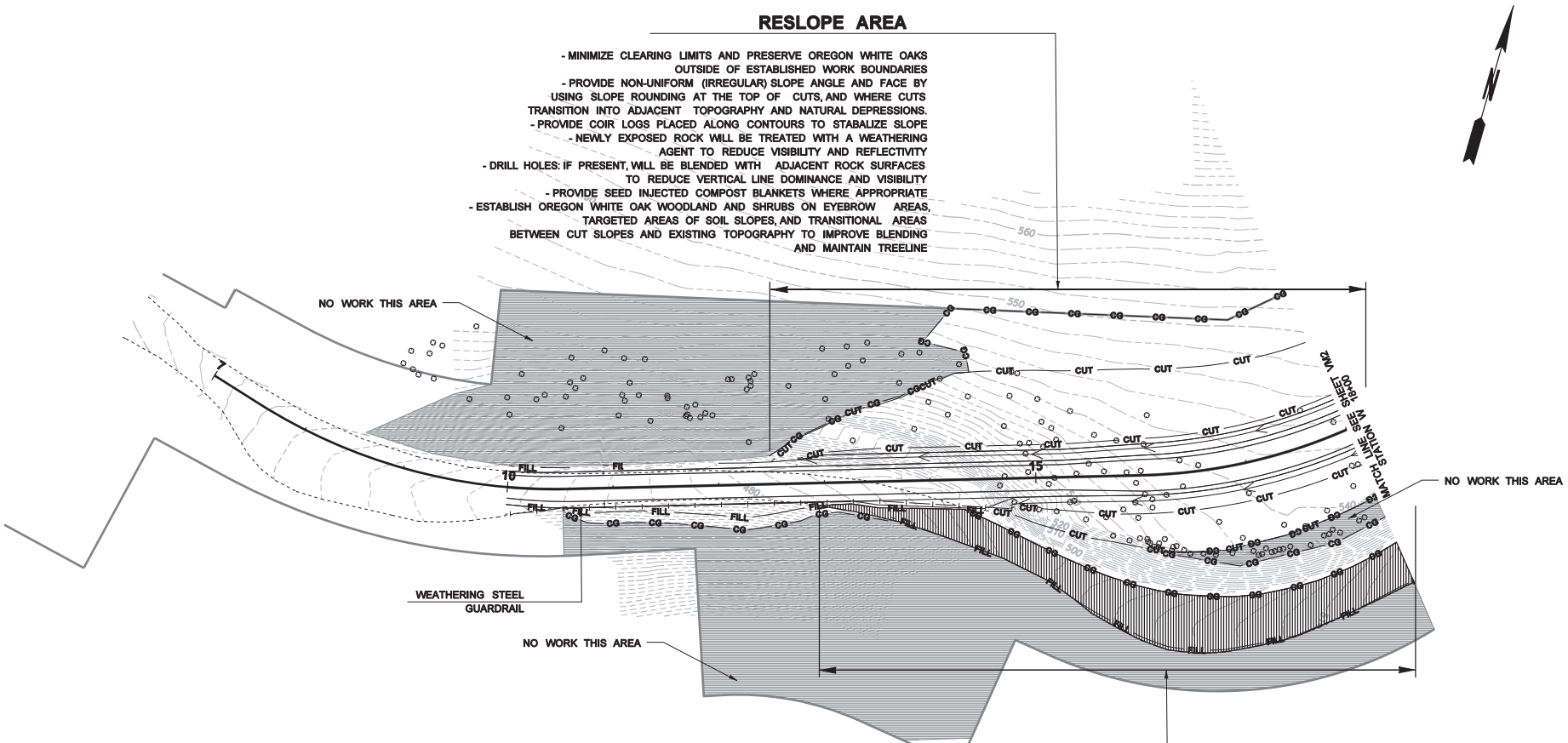
Appendix D — Construction Plan Sheets

T.1N. R.5E. W.M.

RESLOPE AREA

- MINIMIZE CLEARING LIMITS AND PRESERVE OREGON WHITE OAKS OUTSIDE OF ESTABLISHED WORK BOUNDARIES
- PROVIDE NON-UNIFORM (IRREGULAR) SLOPE ANGLE AND FACE BY USING SLOPE ROUNDING AT THE TOP OF CUTS, AND WHERE CUTS TRANSITION INTO ADJACENT TOPOGRAPHY AND NATURAL DEPRESSIONS.
- PROVIDE COIR LOGS PLACED ALONG CONTOURS TO STABALIZE SLOPE
- NEWLY EXPOSED ROCK WILL BE TREATED WITH A WEATHERING AGENT TO REDUCE VISIBILITY AND REFLECTIVITY
- DRILL HOLES: IF PRESENT, WILL BE BLENDED WITH ADJACENT ROCK SURFACES TO REDUCE VERTICAL LINE DOMINANCE AND VISIBILITY
- PROVIDE SEED INJECTED COMPOST BLANKETS WHERE APPROPRIATE
- ESTABLISH OREGON WHITE OAK WOODLAND AND SHRUBS ON EYEBROW AREAS, TARGETED AREAS OF SOIL SLOPES, AND TRANSITIONAL AREAS BETWEEN CUT SLOPES AND EXISTING TOPOGRAPHY TO IMPROVE BLENDING AND MAINTAIN TREELINE



REALIGNMENT / REVERSION AREA

- REMOVAL OF EXISTING PAVEMENT AND SUBGRADE
- UTILIZE NATIVE TOPSOIL SALVAGED FROM OAK WOODLAND AREA
- COMPACTED SOILS DEEP-TILLED FOLLOWED BY COMPOST BLANKET PLACEMENT
- ESTABLISH OREGON WHITE OAK WOODLAND TO IMPROVE INFILTRATION, ENHANCE CORRIDOR CONTINUITY AND PROVIDE VISUAL SCREENING FROM OREGON VIEWPOINTS

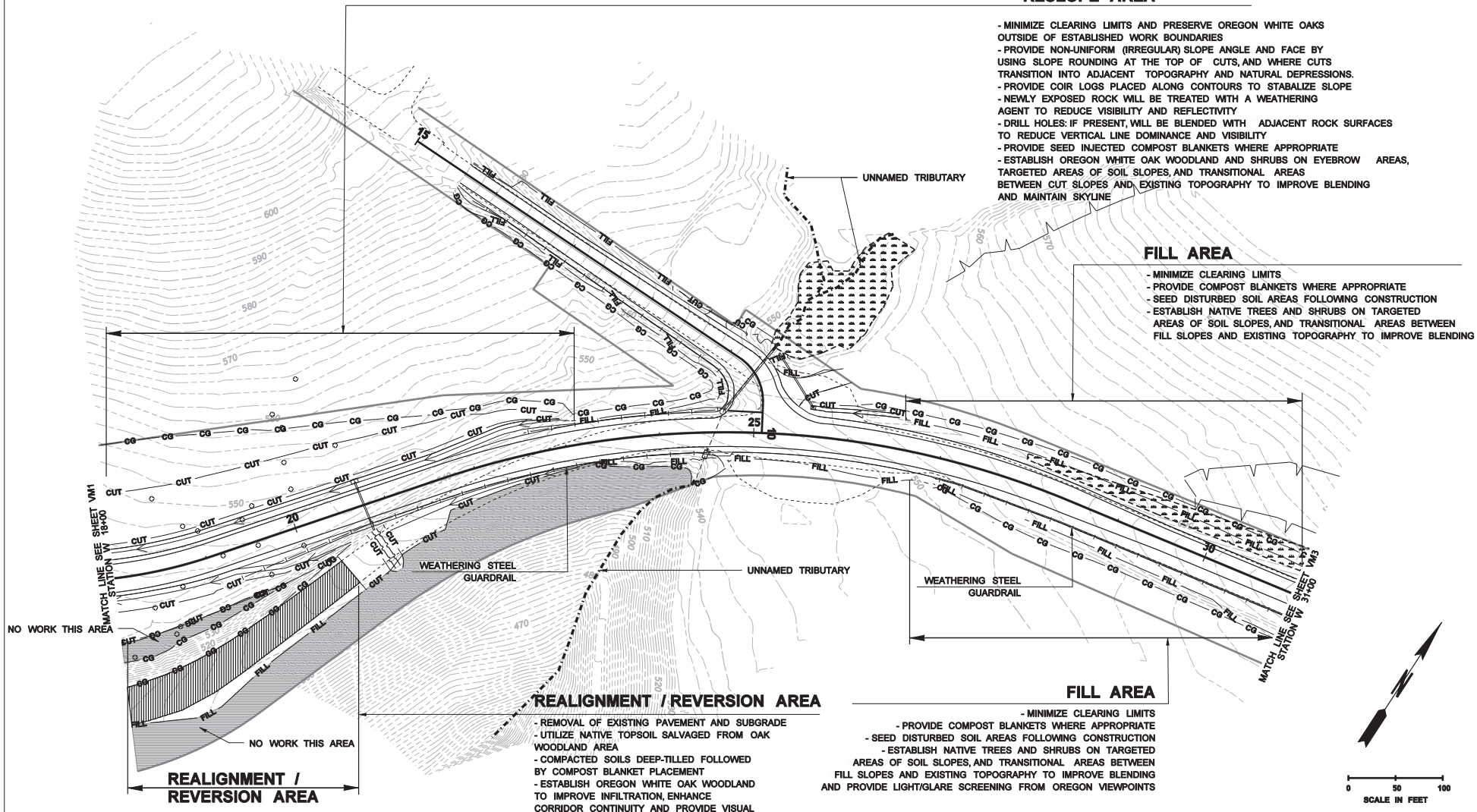
LEGEND

—x—x—	FENCE NEW	– CUT –	PROPOSED CUT LINE (FOR REFERENCE ONLY)
—|—|—	GUARDRAIL NEW (SELF WEATHERING)	– FILL –	PROPOSED FILL LINE (FOR REFERENCE ONLY)
	REALIGNMENT / IMPERVIOUS REVERSION AREA	- CG ——	CLEARING AND GRUBBING LINE (FOR REFERENCE ONLY)
	STREAM	- - - - -	WETLAND BOUNDARY

0 50 100
SCALE IN FEET

FILE NAME	G:\Roadside\01_ projects\014\11 Columbia R. Gorge Nat. Scenic Area\Marble Rd to Belle Center Rd\02_PSE\CAD\Permitting\L3172_PS_ScenicResourceMitigation.DGN				REGION NO.	STATE	FED.AID PROJ.NO.	STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT DANIEL R. CORLETT CERTIFICATE NO. 725 DATE:	Washington State Department of Transportation	SR 14 MARBLE RD. VIC. SAFETY IMPROVEMENTS	Plot 1
TIME	8:40:25 AM				10	WASH					PLAN REF NO VM1
DATE	9/1/2011				JOB NUMBER						
PLOTTED BY	phipper				11X308						
DESIGNED BY	D. CORLETT / R. PHIPPS				CONTRACT NO.		LOCATION NO.	DATE		SCENIC RESOURCE MITIGATION	SHEET OF SHEETS
ENTERED BY	R. PHIPPS						XL3172	P.E. STAMP BOX			
CHECKED BY	D. CORLETT										
PROJ. ENGR.	C. TAMS										
REGIONAL ADM.	B. GERNHART	REVISION	DATE	BY				DATE P.E. STAMP BOX			

T.1N. R.5E. W.M.

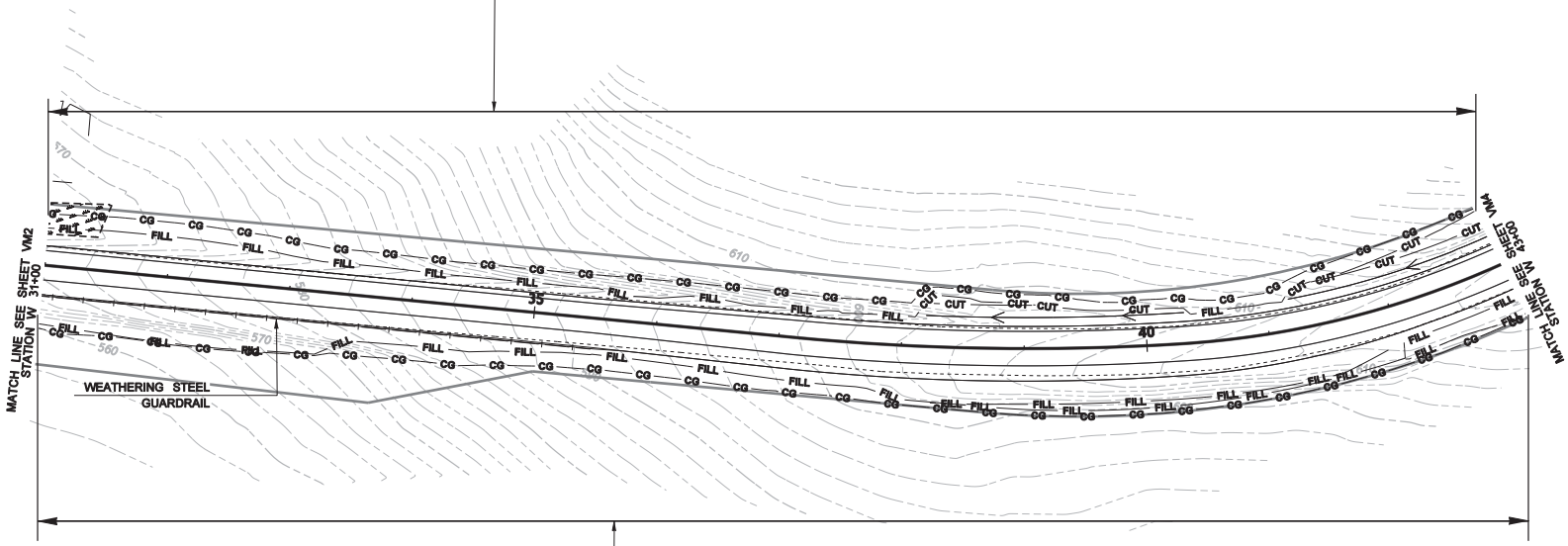


FILE NAME	G:\Roadside\01_ projects\014\11 Columbia R. Gorge Nat. Scenic Area\Marble Rd to Belle Center Rd\02_PSE\CAD\Permitting\L3172_PS_ScenicResourceMitigation.DGN				REGION NO.	STATE	FED.AID PROJ.NO.	STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT DANIEL R. CORLETT CERTIFICATE NO. 725 DATE:	Washington State Department of Transportation	SR 14 MARBLE RD. VIC. SAFETY IMPROVEMENTS	Plot 2
TIME	8:40:28 AM				10	WASH					PLAN REF NO VM2
DATE	9/1/2011				JOB NUMBER 11X308						
PLOTTED BY	phipper									SCENIC RESOURCE MITIGATION	SHEET OF SHEETS
DESIGNED BY	D. CORLETT / R. PHIPPS										
ENTERED BY	R. PHIPPS										
CHECKED BY	D. CORLETT				CONTRACT NO.		LOCATION NO. XL3172	P.E. STAMP BOX DATE	P.E. STAMP BOX DATE		
PROJ. ENGR.	C. TAMS										
REGIONAL ADM.	B. GERNHART	REVISION	DATE	BY							

T.1N. R.5E. W.M.

CUT / FILL AREA

- MINIMIZE CLEARING LIMITS
- PROVIDE COMPOST BLANKETS WHERE APPROPRIATE
- SEED DISTURBED SOIL AREAS FOLLOWING CONSTRUCTION
- ESTABLISH NATIVE TREES AND SHRUBS ON TARGETED AREAS OF SOIL SLOPES, AND TRANSITIONAL AREAS BETWEEN FILL SLOPES AND EXISTING TOPOGRAPHY TO IMPROVE BLENDING



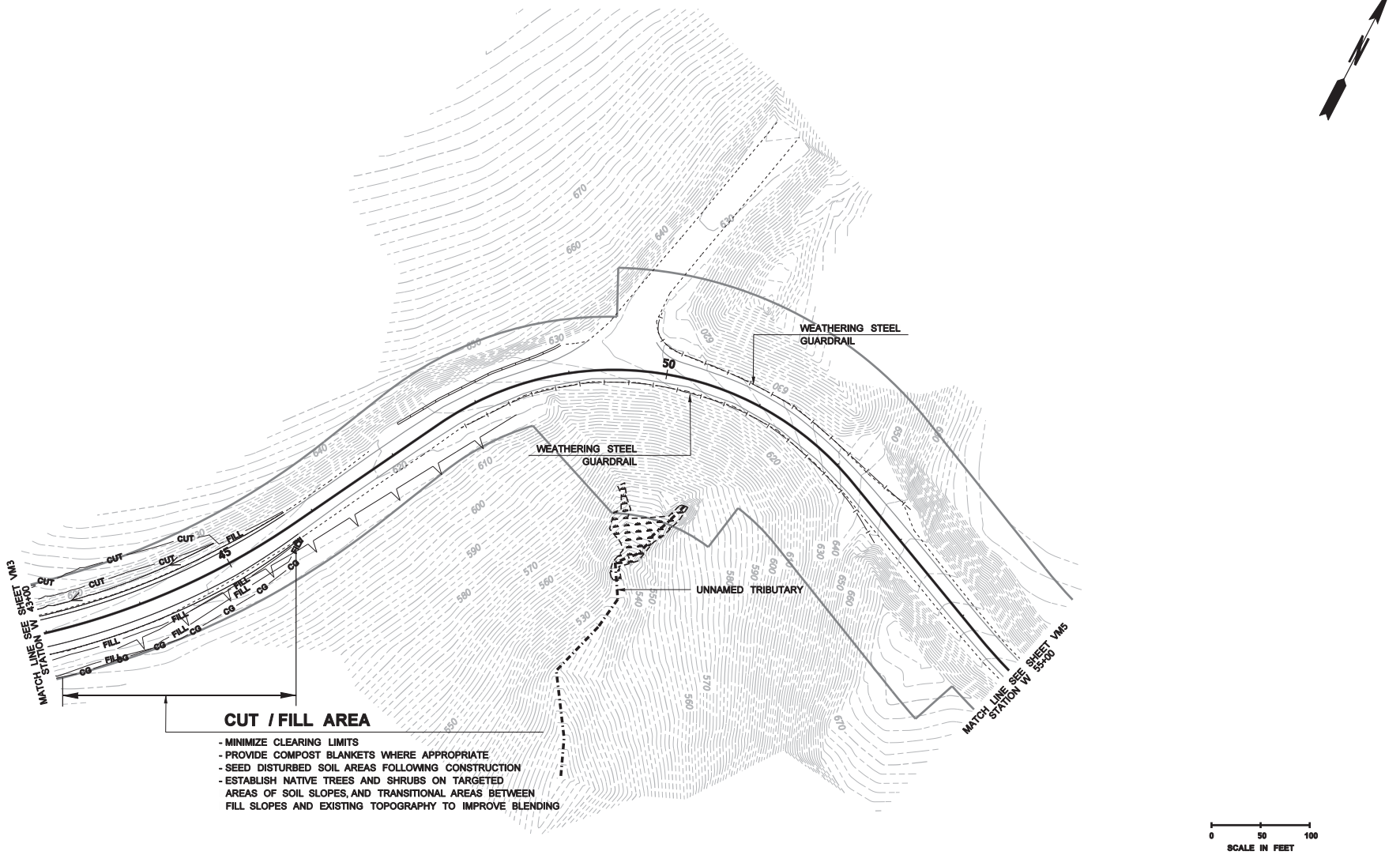
FILL AREA

- MINIMIZE CLEARING LIMITS
- PROVIDE COMPOST BLANKETS WHERE APPROPRIATE
- SEED DISTURBED SOIL AREAS FOLLOWING CONSTRUCTION
- ESTABLISH NATIVE TREES AND SHRUBS ON TARGETED AREAS OF SOIL SLOPES, AND TRANSITIONAL AREAS BETWEEN FILL SLOPES AND EXISTING TOPOGRAPHY TO IMPROVE BLENDING AND PROVIDE LIGHT/GLARE SCREENING FROM OREGON VIEWPOINTS

SCALE IN FEET 0 50 100

FILE NAME	G:\Roadside\01_ projects\014\11 Columbia R. Gorge Nat. Scenic Area\Marble Rd to Belle Center Rd\02_PSE\CAD\Permitting\L3172_PS_ScenicResourceMitigation.DGN				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT DANIEL R. CORLETT CERTIFICATE NO. 725 DATE:	Washington State Department of Transportation	SR 14 MARBLE RD. VIC. SAFETY IMPROVEMENTS	Plot 3 PLAN REF NO VM3
TIME	8:40:31 AM										SHEET OF SHEETS
DATE	9/1/2011									SCENIC RESOURCE MITIGATION	
PLOTTED BY	phipper				JOB NUMBER 11X308						
DESIGNED BY	D. CORLETT / R. PHIPPS										
ENTERED BY	R. PHIPPS										
CHECKED BY	D. CORLETT				CONTRACT NO.		LOCATION NO. XL3172				
PROJ. ENGR.	C. TAMS										
REGIONAL ADM.	B. GERNHART	REVISION	DATE	BY				P.E. STAMP BOX DATE	P.E. STAMP BOX DATE		

T.1N. R.5E. W.M.



CUT / FILL AREA

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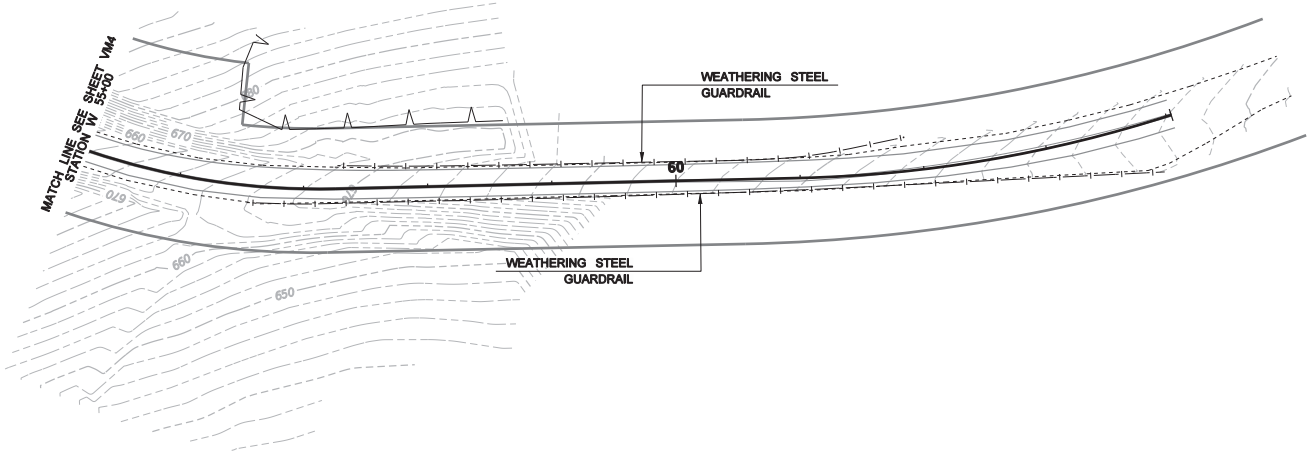
- PROVIDE COMPOST BLANKETS WHERE APPROPRIATE
- SEED DISTURBED SOIL AREAS FOLLOWING CONSTRUCTION
- ESTABLISH NATIVE TREES AND SHRUBS ON TARGETED AREAS OF SOIL SLOPES, AND TRANSITIONAL AREAS BETWEEN FILL SLOPES AND EXISTING TOPOGRAPHY TO IMPROVE BLENDING

0 50 100
SCALE IN FEET

FILE NAME	G:\Roadside\01_ projects\014\11 Columbia R. Gorge Nat. Scenic Area\Marble Rd to Belle Center Rd\02_PSE\CAD\Permitting\L3172_PS_ScenicResourceMitigation.DGN				REGION NO.	STATE	FED.AID PROJ.NO.	STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT DANIEL R. CORLETT CERTIFICATE NO. 725 DATE:		Plot 4
TIME	8:40:33 AM				10	WASH			Washington State Department of Transportation	PLAN REF NO VM4
DATE	9/1/2011				JOB NUMBER				SR 14 MARBLE RD. VIC. SAFETY IMPROVEMENTS	
PLOTTED BY	phipper				11X308					SHEET OF SHEETS
DESIGNED BY	D. CORLETT / R. PHIPPS				CONTRACT NO.		LOCATION NO.	DATE	SCENIC RESOURCE MITIGATION	
ENTERED BY	R. PHIPPS						XL3172	P.E. STAMP BOX		
CHECKED BY	D. CORLETT									
PROJ. ENGR.	C. TAMS							DATE		
REGIONAL ADM.	B. GERNHART	REVISION	DATE	BY				P.E. STAMP BOX		

T.1N. R.5E. W.M.

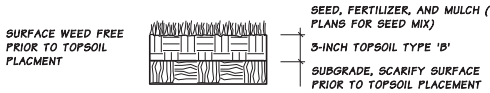


0 50 100
SCALE IN FEET

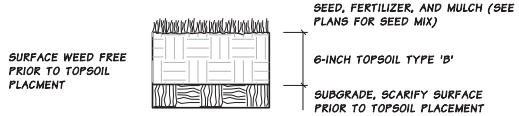
FILE NAME	G:\Roadside\01_ projects\014\11 Columbia R. Gorge Nat. Scenic Area\Marble Rd to Belle Center Rd\02_PSE\CAD\Permitting\L3172_PS_ScenicResourceMitigation.DGN				REGION NO.	STATE	FED.AID PROJ.NO.	STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT	Washington State Department of Transportation	SR 14 MARBLE RD. VIC. SAFETY IMPROVEMENTS	Plot 5
TIME	8:40:36 AM				10	WASH		DANIEL R. CORLETT			PLAN REF NO VM5
DATE	9/1/2011				JOB NUMBER 11X308			CERTIFICATE NO. 725 DATE:			
PLOTTED BY	phipper				CONTRACT NO.		LOCATION NO. XL3172	DATE P.E. STAMP BOX	DATE P.E. STAMP BOX	SCENIC RESOURCE MITIGATION	SHEET OF SHEETS
DESIGNED BY	R. PHIPPS										
ENTERED BY	R. PHIPPS										
CHECKED BY	D. CORLETT										
PROJ. ENGR.	C. TAMS										
REGIONAL ADM.	B. GERNHART	REVISION	DATE	BY							

SUMMARY OF QUANTITIES - SOIL PREPARATION AND SEEDING

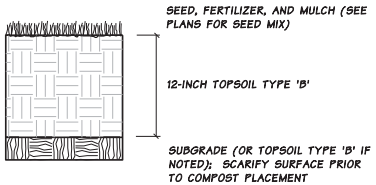
ITEM	UNIT	QTY NA2	QTY NA3	QTY NA4	QTY NA5	QTY NA6	TOTAL QUANTITY
SEED, FERTILIZING, AND MULCHING, SEED MIX - ROADSIDE	ACRE	0.20	0.55	0.92	0.18	0	1.85
SEED, FERTILIZING, AND MULCHING, SEED MIX - INJECTED	ACRE	0.80	0.72	0	0	0	1.52
TOPSOIL TYPE B	CY	1700	1695	670	110	0	4175
COMPOST BLANKET	SY	6500	4530	50	0	0	11080
FINE COMPOST (FOR SEED MIX - INJECTED)	SY	3870	3455	0	0	0	7325
BARK MULCH	CY	550	375	5	0	0	930



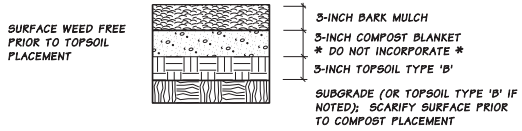
1 TOPSOIL & SEED PLACEMENT
NOT TO SCALE



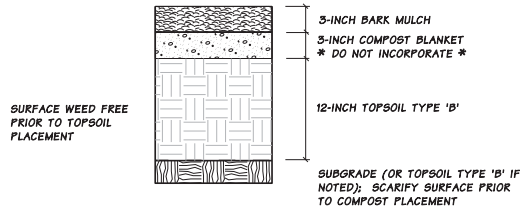
2 6" TOPSOIL & SEED PLACEMENT
NOT TO SCALE



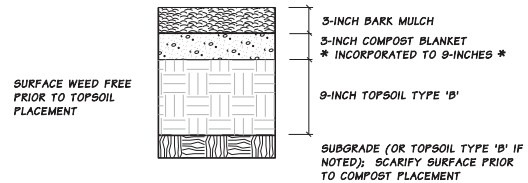
3 12" TOPSOIL & SEED PLACEMENT (BIOSWALE)
NOT TO SCALE



4 COMPOST BLANKET & BARK MULCH PLACEMENT
NOT TO SCALE



5 COMPOST BLANKET & BARK MULCH PLACEMENT-REVERSION
NOT TO SCALE



6 COMPOST BLANKET & BARK MULCH PLACEMENT - CAVFS
NOT TO SCALE

FILE NAME	G:\Roadside\01_ projects\014\11 Columbia R. Gorge Nat. Scenic Area\Marble Rd to Belle Center Rd\02_PSE\CAD\Roadside Restoration\L3172_PS_Soil.DGN				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	7:35:58 AM						
DATE	10/6/2011						
PLOTTED BY	phipper						
DESIGNED BY	R. PHIPPS				JOB NUMBER 11X308		
ENTERED BY	R. PHIPPS						
CHECKED BY	D. CORLETT				CONTRACT NO.		LOCATION NO. XL3172
PROJ. ENGR.	C. TAMS						
REGIONAL ADM.	B. GERNHART	REVISION	DATE	BY			

STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT
DANIEL R. CORLETT
CERTIFICATE NO. 725
DATE:
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

SR 14
MARBLE RD. VIC.
SAFETY IMPROVEMENTS

SOIL PREPARATION QTY SUMMARY

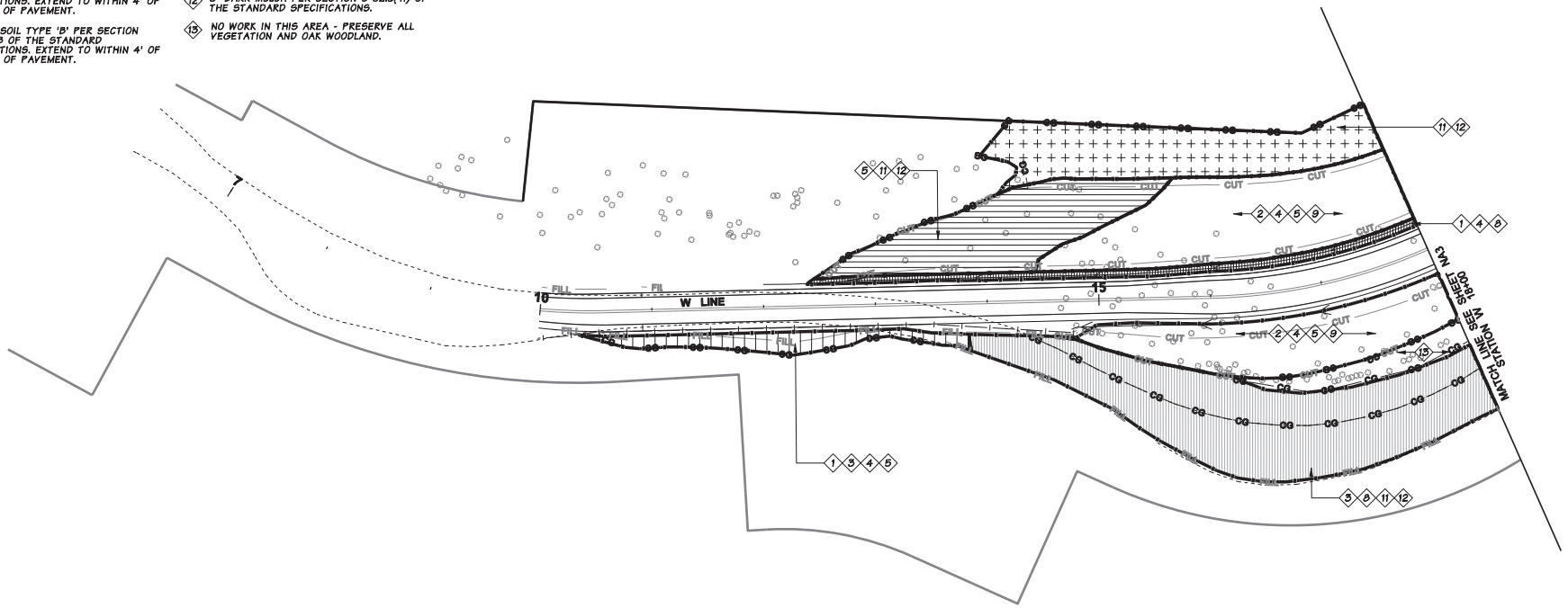
Plot 1
PLAN REF NO NA1
SHEET OF SHEETS

CONSTRUCTION NOTES

1. SEED, FERTILIZE AND MULCH - ROADSIDE
2. SEED, FERTILIZE AND MULCH - INJECTED
3. EXTEND TREATMENT TO CLEARING AND GRUBBING LIMITS OR R.O.W. FENCE AS DIRECTED.
4. SURFACE PREPARATION PRIOR TO SEEDING TO PRODUCE BARE SOIL CONDITION PER SECTION 8-01.3(2) OF THE STANDARD SPECIFICATIONS.
5. 3" OF TOPSOIL TYPE 'B' PER SECTION 8-02.3(4)B OF THE STANDARD SPECIFICATIONS. EXTEND TO WITHIN 4' OF THE EDGE OF PAVEMENT.
6. 6" OF TOPSOIL TYPE 'B' PER SECTION 8-02.3(4)B OF THE STANDARD SPECIFICATIONS. EXTEND TO WITHIN 4' OF THE EDGE OF PAVEMENT.
7. 9" OF TOPSOIL TYPE 'B' PER SECTION 8-02.3(4)B OF THE STANDARD SPECIFICATIONS. EXTEND TO WITHIN 4' OF THE EDGE OF PAVEMENT.
8. 12" OF TOPSOIL TYPE 'B' PER SECTION 8-02.3(4)B OF THE STANDARD SPECIFICATIONS. EXTEND TO WITHIN 4' OF THE EDGE OF PAVEMENT.
9. 12" OF TOPSOIL TYPE 'B' PER SECTION 8-02.3(4)B OF THE STANDARD SPECIFICATIONS. EXTEND TO WITHIN 4' OF THE EDGE OF PAVEMENT.

   *TILL WHEN NOTED.
10. 3" FINE COMPOST INJECTED W/ SEED MIX - INJECTED. COMPOST SHALL BE FINE COMPOST PER SECTION 9-14.4(8) OF THE STANDARD SPECIFICATIONS.
11. 3" COMPOST BLANKET PER SECTION 8-01.3(4) OF THE STANDARD SPECIFICATIONS. INCORPORATE INTO SPECIFIED DEPTH OF TOPSOIL
12. 3" COMPOST BLANKET PER SECTION 8-01.3(4) OF THE STANDARD SPECIFICATIONS.
13. 3" BARK MULCH PER SECTION 8-02.3(11) OF THE STANDARD SPECIFICATIONS.
14. NO WORK IN THIS AREA - PRESERVE ALL VEGETATION AND OAK WOODLAND.

T.1N. R.5E. W.M.



QUANTITIES THIS SHEET

ITEM	UNIT	QTY
SEEDING, FERTILIZE & MULCHING SEED MIX - ROADSIDE	ACRE	0.20
SEEDING, FERTILIZE & MULCHING SEED MIX - INJECTED	ACRE	0.80
TOPSOIL TYPE B	C.Y.	1700
COMPOST BLANKET	S.Y.	6500
FINE COMPOST	S.Y.	3870
BARK MULCH	C.Y.	550

SCALE IN FEET 0 50 100

FILE NAME	G:\Roadside\01_ projects\014\11 Columbia R. Gorge Nat. Scenic Area\Marble Rd to Belle Center Rd\02_PSE\CAD\Roadside Restoration\L3172_PS_Soil.DGN
TIME	7:36:00 AM
DATE	10/6/2011
PLOTTED BY	phipper
DESIGNED BY	R. PHIPPS
ENTERED BY	R. PHIPPS
CHECKED BY	D. CORLETT
PROJ. ENGR.	C. TAMS
REGIONAL ADM.	B. GERNHART

REVISION	DATE	BY

REGION NO. 10 | STATE WASH
JOB NUMBER 11X308
CONTRACT NO.
FED.AID PROJ.NO.
LOCATION NO. XL3172

STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT
DANIEL R. CORLETT
CERTIFICATE NO. 725
DATE:
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

SR 14
MARBLE RD. VIC.
SAFETY IMPROVEMENTS

SOIL PREPARATION

Plot 2
PLAN REF NO NA2
SHEET
OF
SHEETS

T.1N. R.5E. W.M.

CONSTRUCTION NOTES

1. SEED, FERTILIZE AND MULCH - ROADSIDE
2. SEED, FERTILIZE AND MULCH - INJECTED
3. EXTEND TREATMENT TO CLEARING AND GRUBBING LIMITS OR R.O.W. FENCE AS DIRECTED.
4. SURFACE PREPARATION PRIOR TO SEEDING TO PRODUCE BARE SOIL CONDITION PER SECTION 8-01.3(2) OF THE STANDARD SPECIFICATIONS.
5. 3" OF TOPSOIL TYPE 'B' PER SECTION 8-02.3(4)B OF THE STANDARD SPECIFICATIONS. EXTEND TO WITHIN 4' OF THE EDGE OF PAVEMENT.
6. 6" OF TOPSOIL TYPE 'B' PER SECTION 8-02.3(4)B OF THE STANDARD SPECIFICATIONS. EXTEND TO WITHIN 4' OF THE EDGE OF PAVEMENT.
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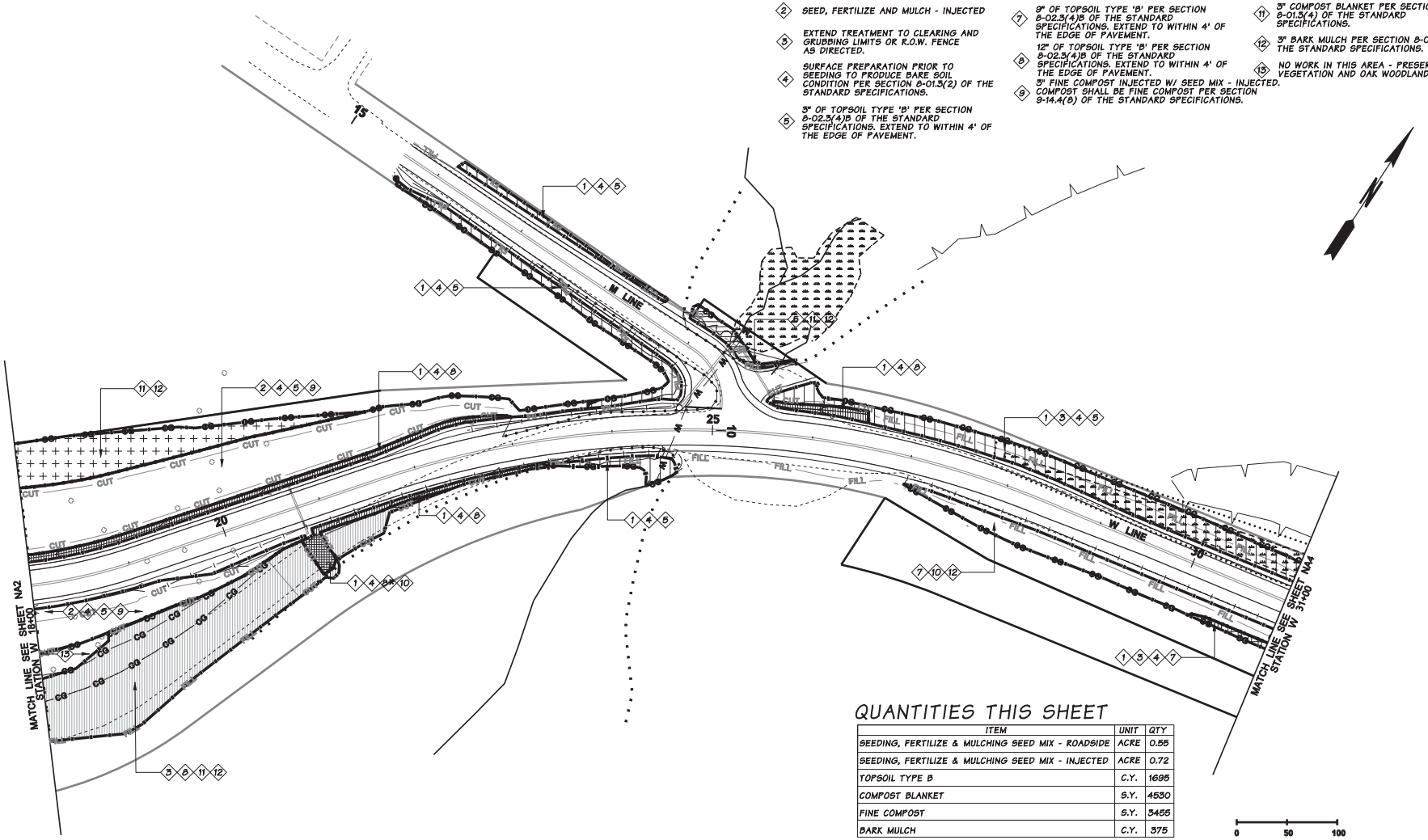
12. 3" BARK MULCH PER SECTION 8-02.3(11) OF THE STANDARD SPECIFICATIONS.
13. NO WORK IN THIS AREA - PRESERVE ALL VEGETATION AND OAK WOODLAND.



QUANTITIES THIS SHEET

ITEM	UNIT	QTY
SEEDING, FERTILIZE & MULCHING SEED MIX - ROADSIDE	ACRE	0.55
SEEDING, FERTILIZE & MULCHING SEED MIX - INJECTED	ACRE	0.72
TOPSOIL TYPE B	C.Y.	1695
COMPOST BLANKET	S.Y.	4530
FINE COMPOST	S.Y.	3455
BARK MULCH	C.Y.	375

0 50 100
SCALE IN FEET

FILE NAME	G:\Roadside\01_ projects\014\11 Columbia R. Gorge Nat. Scenia Area\Marble Rd to Belle Center Rd\02_PSE\CAD\Roadside Restoration\L3172_PS_Soil.DGN
TIME	7:36:02 AM
DATE	10/6/2011
PLOTTED BY	phipper
DESIGNED BY	R. PHIPPS
ENTERED BY	R. PHIPPS
CHECKED BY	D. CORLETT
PROJ. ENGR.	C. TAMS
REGIONAL ADM.	B. GERNHART

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.

JOB NUMBER 11X308

CONTRACT NO. | LOCATION NO. XL3172

STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT
DANIEL R. CORLETT
CERTIFICATE NO. 725
DATE:
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

SR 14
MARBLE RD. VIC.
SAFETY IMPROVEMENTS

SOIL PREPARATION

Plot 3
PLAN REF NO NA3
SHEET OF SHEETS

T.1N. R.5E. W.M.

CONSTRUCTION NOTES

1. SEED, FERTILIZE AND MULCH - ROADSIDE
2. SEED, FERTILIZE AND MULCH - INJECTED
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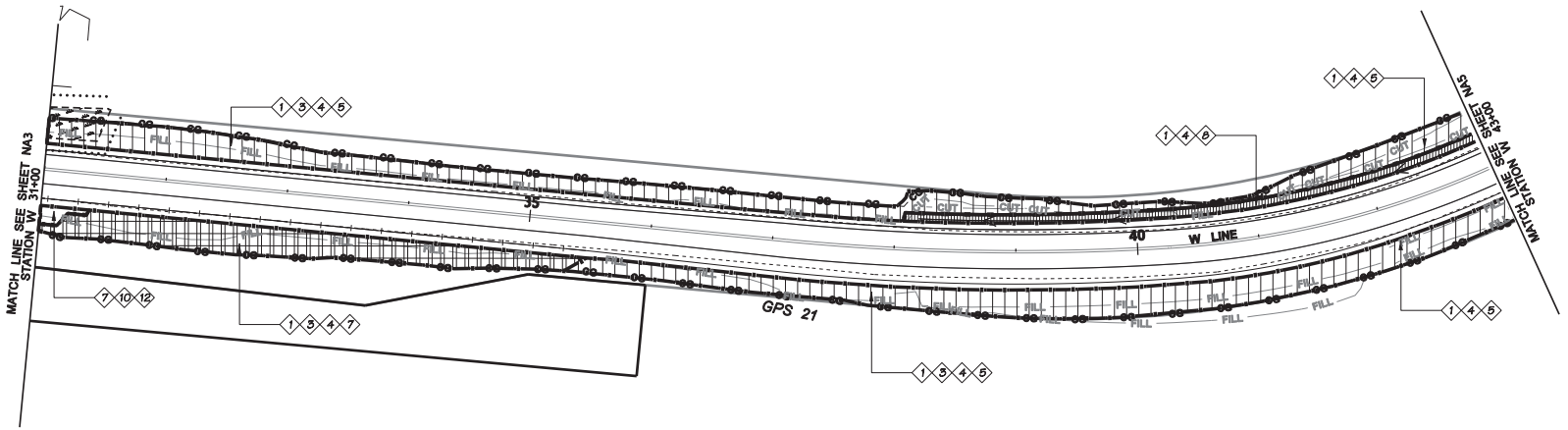
13. NO WORK IN THIS AREA - PRESERVE ALL VEGETATION AND OAK WOODLAND.



QUANTITIES THIS SHEET

ITEM	UNIT	QTY
SEEDING, FERTILIZE & MULCHING SEED MIX - ROADSIDE	ACRE	0.93
SEEDING, FERTILIZE & MULCHING SEED MIX - INJECTED	ACRE	0
TOPSOIL TYPE B	C.Y.	670
COMPOST BLANKET	S.Y.	50
FINE COMPOST	S.Y.	0
BARK MULCH	C.Y.	5

0 50 100
SCALE IN FEET

FILE NAME	G:\Roadside\01_ projects\014\11 Columbia R. Gorge Nat. Scenia Area\Marble Rd to Belle Center Rd\02_PSE\CAD\Roadside Restoration\L3172_PS_Soil.DGN			
TIME	7:36:05 AM			
DATE	10/6/2011			
PLOTTED BY	phipper			
DESIGNED BY	R. PHIPPS			
ENTERED BY	R. PHIPPS			
CHECKED BY	D. CORLETT			
PROJ. ENGR.	C. TAMS			
REGIONAL ADM.	B. GERNHART	REVISION	DATE	BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.
JOB NUMBER 11X308
CONTRACT NO. | LOCATION NO. XL3172

STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT
DANIEL R. CORLETT
CERTIFICATE NO. 725
DATE:
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

SR 14
MARBLE RD. VIC.
SAFETY IMPROVEMENTS

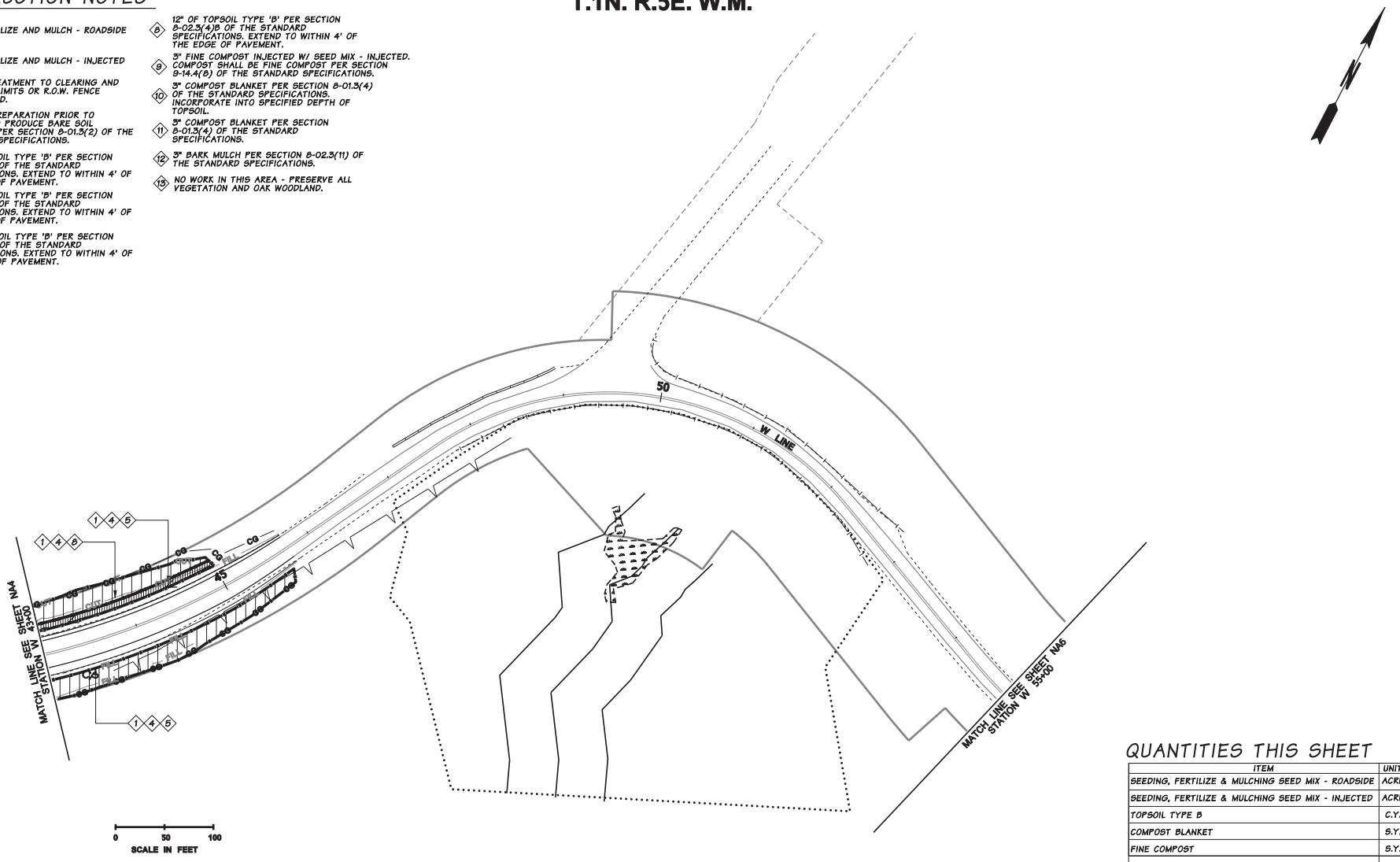
SOIL PREPARATION

Plot 4
PLAN REF NO NA4
SHEET OF SHEETS

CONSTRUCTION NOTES

1. SEED, FERTILIZE AND MULCH - ROADSIDE
2. SEED, FERTILIZE AND MULCH - INJECTED
3. EXTEND TREATMENT TO CLEARING AND GRUBBING LIMITS OR R.O.W. FENCE AS DIRECTED.
4. SURFACE PREPARATION PRIOR TO SEEDING TO PRODUCE BARE SOIL CONDITION PER SECTION 8-01.3(2) OF THE STANDARD SPECIFICATIONS.
5. 3" OF TOPSOIL TYPE 'B' PER SECTION 8-02.3(4)B OF THE STANDARD SPECIFICATIONS. EXTEND TO WITHIN 4' OF THE EDGE OF PAVEMENT.
6. 6" OF TOPSOIL TYPE 'B' PER SECTION 8-02.3(4)B OF THE STANDARD SPECIFICATIONS. EXTEND TO WITHIN 4' OF THE EDGE OF PAVEMENT.
7. 9" OF TOPSOIL TYPE 'B' PER SECTION 8-02.3(4)B OF THE STANDARD SPECIFICATIONS. EXTEND TO WITHIN 4' OF THE EDGE OF PAVEMENT.
8. 12" OF TOPSOIL TYPE 'B' PER SECTION 8-02.3(4)B OF THE STANDARD SPECIFICATIONS. EXTEND TO WITHIN 4' OF THE EDGE OF PAVEMENT.
9. 3" FINE COMPOST INJECTED W/ SEED MIX - INJECTED. COMPOST SHALL BE FINE COMPOST PER SECTION 9-14.4(8) OF THE STANDARD SPECIFICATIONS.
10. 3" COMPOST BLANKET PER SECTION 8-01.3(4) OF THE STANDARD SPECIFICATIONS. INCORPORATE INTO SPECIFIED DEPTH OF TOPSOIL.
11. 3" COMPOST BLANKET PER SECTION 8-01.3(4) OF THE STANDARD SPECIFICATIONS.
12. 3" BARK MULCH PER SECTION 8-02.3(11) OF THE STANDARD SPECIFICATIONS.
13. NO WORK IN THIS AREA - PRESERVE ALL VEGETATION AND OAK WOODLAND.

T.1N. R.5E. W.M.



QUANTITIES THIS SHEET

ITEM	UNIT	QTY
SEEDING, FERTILIZE & MULCHING SEED MIX - ROADSIDE	ACRE	0.18
SEEDING, FERTILIZE & MULCHING SEED MIX - INJECTED	ACRE	0
TOPSOIL TYPE B	C.Y.	110
COMPOST BLANKET	S.Y.	0
FINE COMPOST	S.Y.	0
BARK MULCH	C.Y.	0

FILE NAME	G:\Roadside\01_ projects\014\11 Columbia R. Gorge Nat. Scenic Area\Marble Rd to Belle Center Rd\02_PSE\CAD\Roadside Restoration\L3172_PS_Soil.DGN				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	Washington State Department of Transportation
TIME	7:36:07 AM							SR 14 MARBLE RD. VIC. SAFETY IMPROVEMENTS
DATE	10/6/2011				JOB NUMBER 11X308			
PLOTTED BY	phipper				CONTRACT NO.		LOCATION NO. XL3172	SOIL PREPARATION
DESIGNED BY	R. PHIPPS							
ENTERED BY	R. PHIPPS							
CHECKED BY	D. CORLETT							
PROJ. ENGR.	C. TAMS							
REGIONAL ADM.	B. GERNHART	REVISION	DATE	BY				

STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT
DANIEL R. CORLETT
CERTIFICATE NO. 725
DATE:
P.E. STAMP BOX

DATE
P.E. STAMP BOX

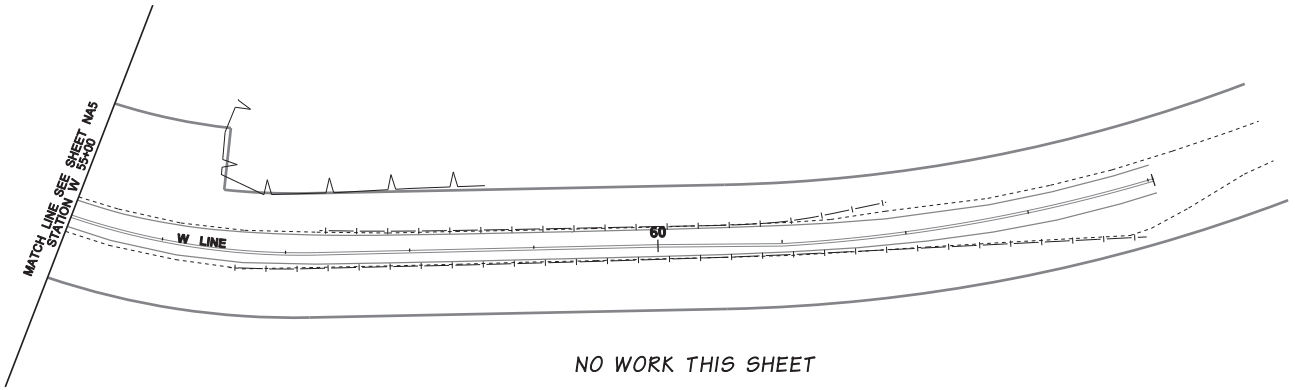
Plot 5
PLAN REF NO NA5
SHEET OF SHEETS

CONSTRUCTION NOTES

1. SEED, FERTILIZE AND MULCH - ROADSIDE
2. SEED, FERTILIZE AND MULCH - INJECTED
5. EXTEND TREATMENT TO CLEARING AND GRUBBING LIMITS OR R.O.W. FENCE AS DIRECTED.
4. SURFACE PREPARATION PRIOR TO SEEDING TO PRODUCE BARE SOIL CONDITION PER SECTION 8-01.3(2) OF THE STANDARD SPECIFICATIONS.
5. 3" OF TOPSOIL TYPE 'B' PER SECTION 8-02.3(4)B OF THE STANDARD SPECIFICATIONS. EXTEND TO WITHIN 4' OF THE EDGE OF PAVEMENT.
6. 6" OF TOPSOIL TYPE 'B' PER SECTION 8-02.3(4)B OF THE STANDARD SPECIFICATIONS. EXTEND TO WITHIN 4' OF THE EDGE OF PAVEMENT.
7. 9" OF TOPSOIL TYPE 'B' PER SECTION 8-02.3(4)B OF THE STANDARD SPECIFICATIONS. EXTEND TO WITHIN 4' OF THE EDGE OF PAVEMENT.
8. 12" OF TOPSOIL TYPE 'B' PER SECTION 8-02.3(4)B OF THE STANDARD SPECIFICATIONS. EXTEND TO WITHIN 4' OF THE EDGE OF PAVEMENT.
9. 3" FINE COMPOST INJECTED W/ SEED MIX - INJECTED. COMPOST SHALL BE FINE COMPOST PER SECTION 9-14.4(8) OF THE STANDARD SPECIFICATIONS.
10. 3" COMPOST BLANKET PER SECTION 8-01.3(4) OF THE STANDARD SPECIFICATIONS. INCORPORATE INTO SPECIFIED DEPTH OF TOPSOIL.
11. 3" COMPOST BLANKET PER SECTION 8-01.3(4) OF THE STANDARD SPECIFICATIONS.
12. 3" BARK MULCH PER SECTION 8-02.3(11) OF THE STANDARD SPECIFICATIONS.
13. NO WORK IN THIS AREA - PRESERVE ALL VEGETATION AND OAK WOODLAND.

T.1N. R.5E. W.M.

NOTE:
NO WORK THIS SHEET



NO WORK THIS SHEET

QUANTITIES THIS SHEET

ITEM	UNIT	QTY
SEEDING, FERTILIZE & MULCHING SEED MIX - ROADSIDE	ACRE	0
SEEDING, FERTILIZE & MULCHING SEED MIX - INJECTED	ACRE	0
TOPSOIL TYPE B	C.Y.	0
COMPOST BLANKET	S.Y.	0
FINE COMPOST	S.Y.	0
BARK MULCH	C.Y.	0

0 50 100
SCALE IN FEET

FILE NAME	G:\Roadside\01_ projects\014\11 Columbia R. Gorge Nat. Scenic Area\Marble Rd to Belle Center Rd\02_PSE\CAD\Roadside Restoration\L3172_PS_Soil.DGN				REGION NO.	STATE	FED.AID PROJ.NO.	STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT DANIEL R. CORLETT CERTIFICATE NO. 725 DATE:		Washington State Department of Transportation	SR 14 MARBLE RD. VIC. SAFETY IMPROVEMENTS	Plot 6
TIME	7:36:09 AM				10	WASH						PLAN REF NO NA6
DATE	10/6/2011				JOB NUMBER 11X308							
PLOTTED BY	phipper				CONTRACT NO.		LOCATION NO. XL3172	DATE	DATE		SOIL PREPARATION	SHEET OF SHEETS
DESIGNED BY	R. PHIPPS							P.E. STAMP BOX	P.E. STAMP BOX			
ENTERED BY	R. PHIPPS											
CHECKED BY	D. CORLETT											
PROJ. ENGR.	C. TAMS											
REGIONAL ADM.	B. GERNHART	REVISION	DATE	BY								

ROADSIDE RESTORATION PLANT MATERIAL SCHEDULE

Plant Code	Botanical Name	Common Name	Height / Condition	Root Type	A.S.N.S.	Spacing	Layout	Notes	Percent of mix	SHEET NO.					Total in mix
										NB2	NB3	NB4	NB5	NB6	
TMR - TREE MIX ROADSIDE	Abies grandis	Grand Fir	4'	cont	3.2.4 type 4	where staked	na	install w/ 90-day water gel packs	na	25	15	0	0	0	40
	Acer macrophyllum	Big Leaf Maple	#2	cont	1.2.1 type 1	where staked	na	install w/ 90-day water gel packs		15	15	0	0	0	30
	Cornus nuttalii	Pacific Dogwood	5'	cont	1.2.4 type 8	where staked	na	install w/ 90-day water gel packs	na	30	20	0	0	0	50
	Pseudotsuga menziesii	Douglas Fir	4'	cont	3.2.4 type 4	where staked	na	install w/ 90-day water gel packs	na	15	15	0	0	0	30
	Quercus garryana	Oregon White Oak	5'	cont	1.2.1 type 1	where staked	na	install w/ 90-day water gel packs	na	215	100	0	0	0	315
SMA - SHRUB MIX A ROADSIDE	Amelanchier alnifolia	Saskatoon Serviceberry	18" - 24"	b.r.	1.3.2	3' oc	triangle		15%	1120	620	0	0	0	1740
	Holodiscus discolor	Oceanspray	18" - 24"	b.r.	2.2.2 type 1	3' oc	triangle		20%	1490	830	0	0	0	2320
	Mahonia nervosa	Cascade Oregon Grape	#1	cont	4.2.4 type 4	3' oc	triangle		19%	1415	790	0	0	0	2205
	Oemleria cerasiformis	Indian Plum	18" - 24"	b.r.	1.3.2	3' oc	triangle		15%	1120	620	0	0	0	1740
	Ribes sanguineum	Flowering Currant	18" - 24"	b.r.	2.2.2 type 1	3' oc	triangle		1%	75	40	0	0	0	115
	Symphoricarpos albus	Common Snowberry	18" - 24"	b.r.	2.2.2 type 1	3' oc	triangle		30%	2230	1235	0	0	0	3465
SMB - SHRUB MIX B RIPARIAN BUFFER	Holodiscus discolor	Oceanspray	18" - 24"	b.r.	2.2.4 type 3	3' oc	triangle		30%	0	50	0	0	0	50
	Mahonia nervosa	Cascade Oregon Grape	#1	cont	4.2.4 type 4	3' oc	triangle		30%	0	50	0	0	0	50
	Symphoricarpos albus	Common Snowberry	18" - 24"	b.r.	2.2.2 type 1	3' oc	triangle		40%	0	60	0	0	0	60
SMC - SHRUB MIX C LOW ROADSIDE	Mahonia nervosa	Cascade Oregon Grape	#1	cont	4.2.4 type 4	3' oc	triangle		35%	0	310	20	0	0	330
	Symphoricarpos albus	Common Snowberry	18" - 24"	b.r.	2.2.2 type 1	3' oc	triangle		65%	0	580	35	0	0	615

B&B Balled and Burlaped
B.R. Bare Root
Cont. Container
O.C. On Center
A.S.N.S. American Standards for Nursery Stock

NOTES:

1. All material shall meet the requirements of the American Standard for Nursery Stock, May 12, 2004.
2. A letter of compliance with the "American Standard of Nursery Stock" is required from the supplier for all plant material.
3. Plants to be randomly mixed within designated plant groups as approved by the Engineer unless specified otherwise.
4. All plant crowns to be free of bark mulch where applicable.
5. See planting details and Special Provisions.

GENERAL NOTES

SEE PLANT MATERIAL SCHEDULE, SHEET NC1, FOR PLANT TOTALS BY SPECIES, PLANT MIX, AND SHEET NUMBER.

PLANTING AREAS SHALL BE STAKED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO PLANTING.

NO PLANT MATERIAL SHALL BE PLANTED UNTIL IT HAS BEEN INSPECTED AND APPROVED FOR PLANTING BY THE ENGINEER.

PLANT MATERIAL SHALL BE STORED AND HANDLED PER SECTION 8-02 OF THE SPECIAL PROVISIONS.

PLANT MATERIAL SUPPLIED IN CONTAINERS SHALL NOT BE REMOVED FROM THE CONTAINERS UNTIL TIME OF PLANTING AND AT THE PLANTING LOCATION.

TMR PLANTING LOCATIONS TO BE STAKED BY THE ENGINEER PRIOR TO PLANTING.

TMR TREES WILL BE INSTALLED WITH 90-DAY SUPPLEMENTAL WATER GEL PACKS. SEE SPECIAL PROVISIONS.

COMPLETELY REMOVE BURLAP, WIRE BASKETS, PLASTIC, STRING OR WIRE LACING FROM THE PLANT MATERIAL AND PLANTING HOLE.

ROOTS OF BAREROOT STOCK SHALL NOT BE BUNCHED, CURLED, TWISTED, OR UNREASONABLY BENT WHEN PLACED IN THE PLANTING HOLE.

LOOSEN SIDES AND ROOTS OF CONTAINER PLANTS PRIOR TO INSTALLATION. CUT CIRCLING ROOTS.

THOROUGHLY WATER ROOTBALL AND BACKFILL REGARDLESS OF SEASON. SEE SECTION 8-02.3(8) OF THE STANDARD SPECIFICATIONS.

THE ROOTS OF ALL PLANT MATERIAL SHALL BE KEPT MOIST AT ALL TIMES. ROOT DIP SLURRY SHALL ALSO BE APPLIED. BAREROOT MATERIAL: IMMMEDIATELY PRIOR TO PLANTING, ALL ROOTS SHALL BE DIPPED IN A ROOT DIP SLURRY UNTIL THE ENTIRE ROOT MASS IS THOROUGHLY SATURATED. CONTAINER AND B&B MATERIAL: ALL ROOT SYSTEMS SHALL BE SATURATED WITH THE ROOT DIP SLURRY FOLLOWING PLANTING.

FILE NAME	G:\Roadside\01_ projects\014\11 Columbia R. Gorge Nat. Scenic Area\Marble Rd to Belle Center Rd\02_PSE\CAD\Roadside Restoration\L3172_PS_Roadside.DGN			
TIME	7:38:02 AM	REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	10/6/2011	JOB NUMBER 11X308		
PLOTTED BY	phipper	CONTRACT NO.		LOCATION NO. XL3172
DESIGNED BY	R. PHIPPS			
ENTERED BY	R. PHIPPS			
CHECKED BY	D. CORLETT			
PROJ. ENGR.	C. TAMS			
REGIONAL ADM.	B. GERNHART	REVISION	DATE / BY	

STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT
DANIEL R. CORLETT
CERTIFICATE NO. 725
DATE:
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

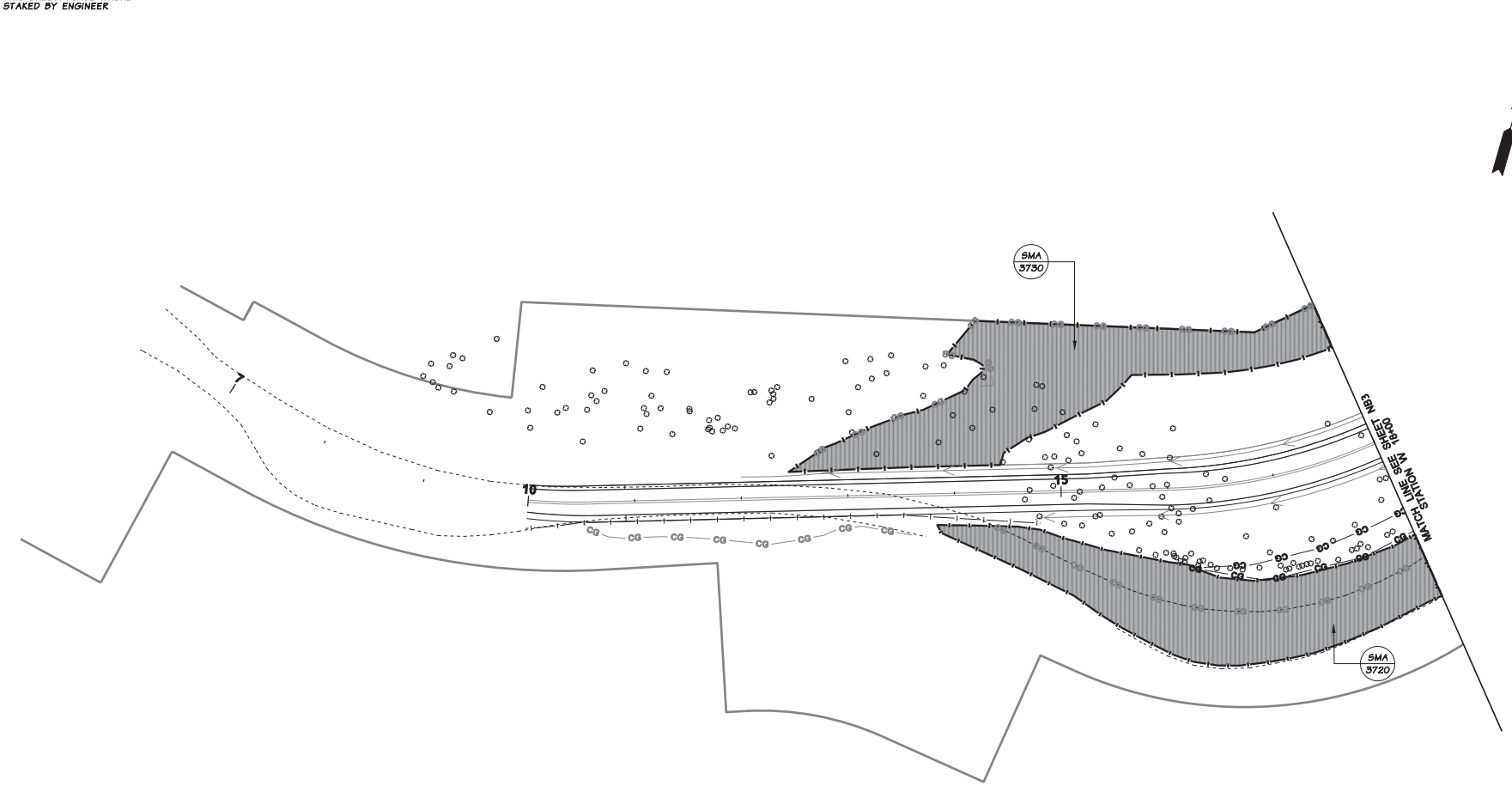
SR 14
MARBLE RD. VIC.
SAFETY IMPROVEMENTS

ROADSIDE RESTORATION

Plot 1
PLAN REF NO NB1
SHEET
OF
SHEETS

T.1N. R.5E. W.M.

TMR 300 — TOTAL TREE MIX QUANTITY THIS SHEET. PLACE WHERE STAKED BY ENGINEER



LEGEND

XXX / YYY — PLANT MIX / QUANTITY THIS AREA

PLANTING AREA

0 50 100
SCALE IN FEET

FILE NAME	G:\Roadside\01_ projects\014\11 Columbia R. Gorge Nat. Scenic Area\Marble Rd to Belle Center Rd\02_PSE\CAD\Roadside Restoration\L3172_PS_Roadside.DGN				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	Plot 2
TIME	7:38:06 AM							PLAN REF NO NB2
DATE	10/6/2011							
PLOTTED BY	phipper				JOB NUMBER 11X308			
DESIGNED BY	D. CORLETT / R. PHIPPS				CONTRACT NO.		LOCATION NO. XL3172	SHEET OF SHEETS
ENTERED BY	R. PHIPPS							
CHECKED BY	D. CORLETT							
PROJ. ENGR.	C. TAMS							
REGIONAL ADM.	B. GERNHART	REVISION	DATE	BY				

STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT
DANIEL R. CORLETT
CERTIFICATE NO. 725
DATE:
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

SR 14
MARBLE RD. VIC.
SAFETY IMPROVEMENTS

ROADSIDE RESTORATION

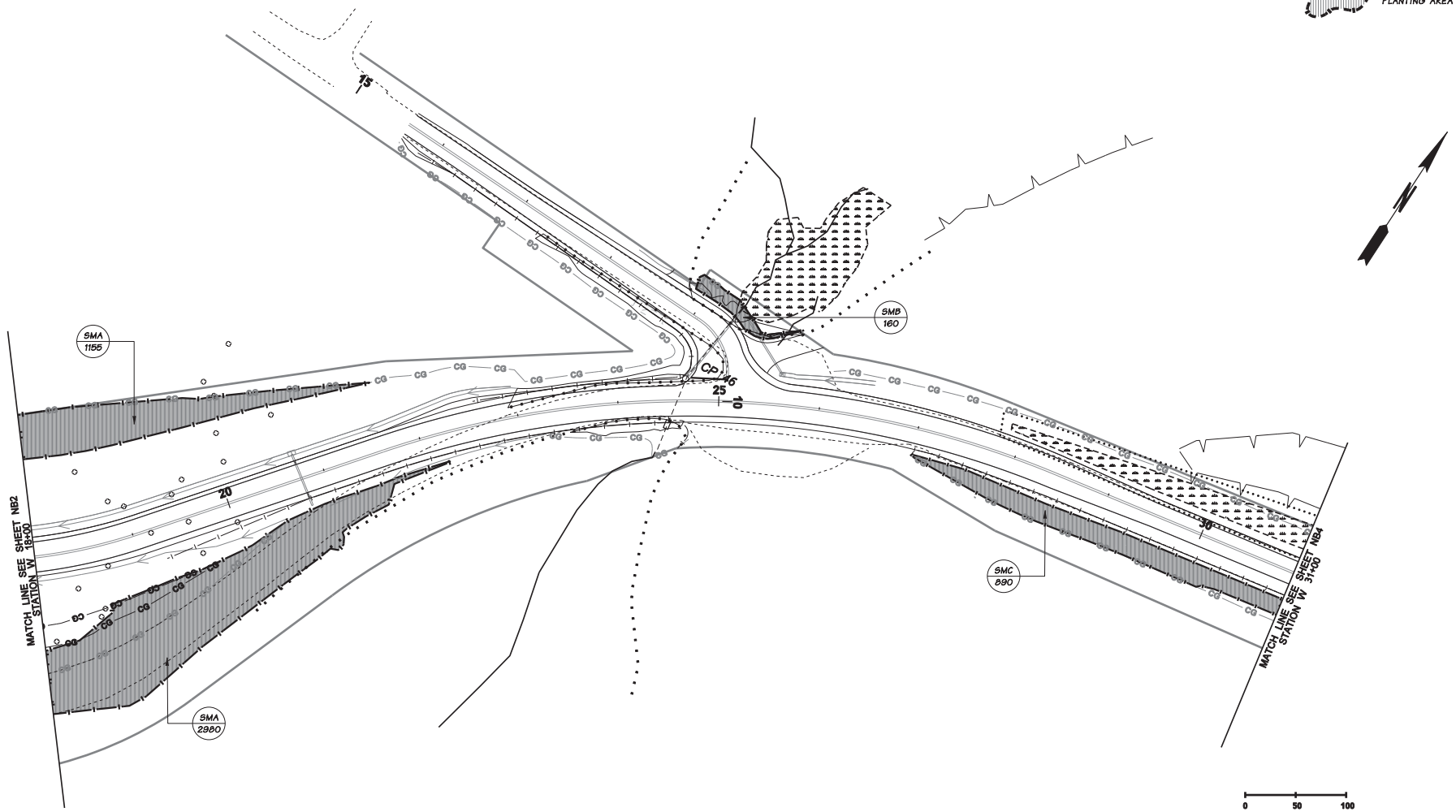
T.1N. R.5E. W.M.

TMR 165 — TOTAL TREE MIX QUANTITY THIS SHEET. PLACE WHERE STAKED BY ENGINEER

LEGEND

XXX / YYY — PLANT MIX / QUANTITY THIS AREA

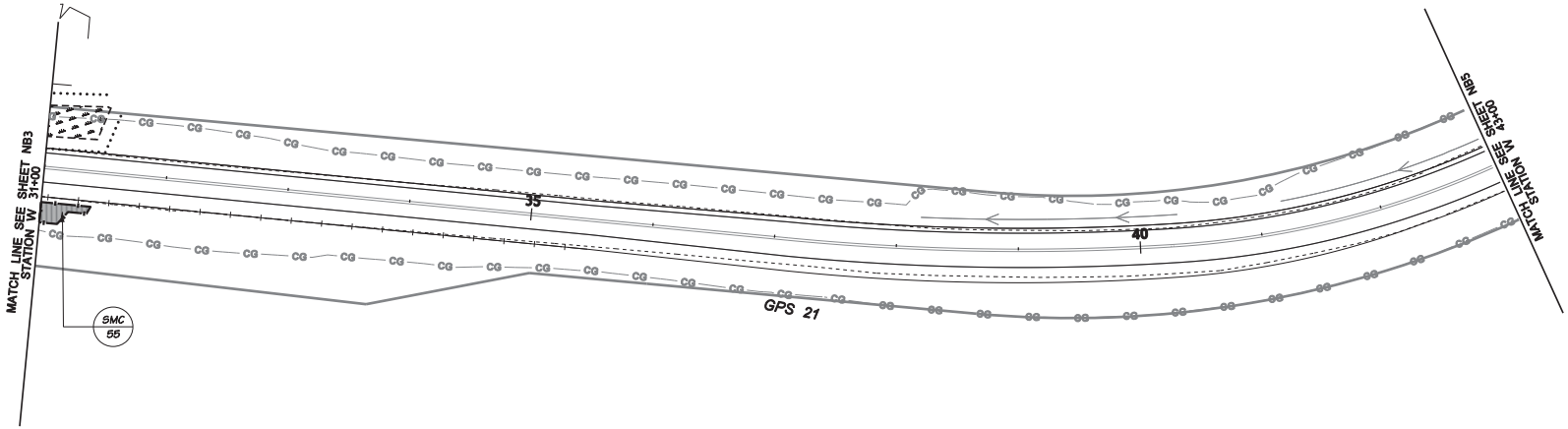
PLANTING AREA



FILE NAME	G:\Roadside\01_ projects\014\11 Columbia R. Gorge Nat. Scenic Area\Marble Rd to Belle Center Rd\02_PSE\CAD\Roadside Restoration\L3172_PS_Roadside.DGN				REGION NO.	STATE	FED.AID PROJ.NO.	STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT DANIEL R. CORLETT CERTIFICATE NO. 725 DATE:	Washington State Department of Transportation	SR 14 MARBLE RD. VIC. SAFETY IMPROVEMENTS	Plot 3
TIME	7:38:07 AM				10	WASH					PLAN REF NO NB3
DATE	10/6/2011				JOB NUMBER						
PLOTTED BY	phipper				11X308						
DESIGNED BY	D. CORLETT / R. PHIPPS				CONTRACT NO.		LOCATION NO.	DATE		ROADSIDE RESTORATION	SHEET OF SHEETS
ENTERED BY	R. PHIPPS						XL3172	P.E. STAMP BOX			
CHECKED BY	D. CORLETT										
PROJ. ENGR.	C. TAMS										
REGIONAL ADM.	B. GERNHART	REVISION	DATE	BY				DATE			
								P.E. STAMP BOX			

T.1N. R.5E. W.M.

TMR / 0 — TOTAL TREE MIX QUANTITY THIS SHEET. PLACE WHERE STAKED BY ENGINEER



LEGEND

XXX / YYY — PLANT MIX / QUANTITY THIS AREA

PLANTING AREA

0 50 100
SCALE IN FEET

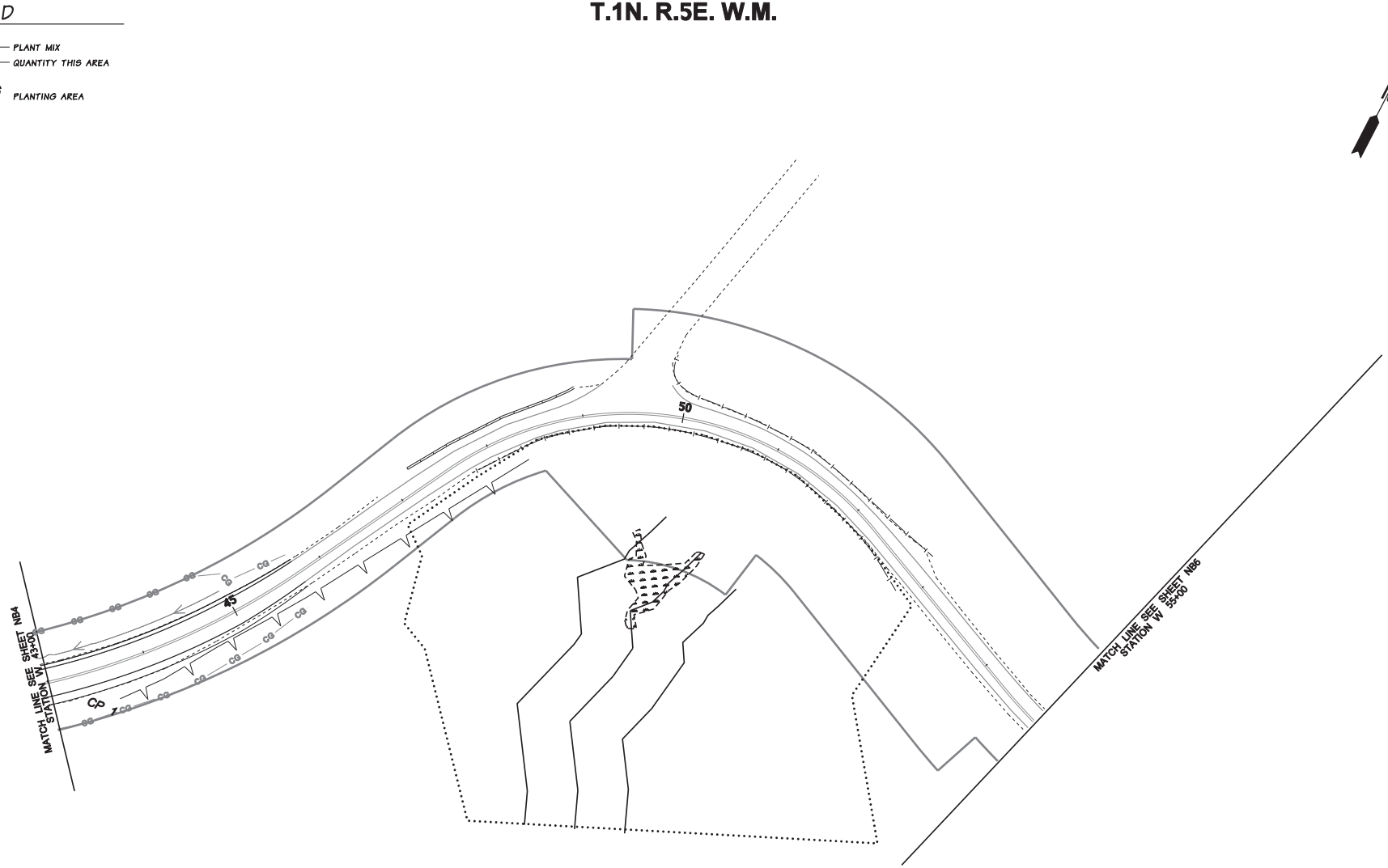
FILE NAME	G:\Roadside\01_ projects\014\11 Columbia R. Gorge Nat. Scenic Area\Marble Rd to Belle Center Rd\02_PSE\CAD\Roadside Restoration\L3172_PS_Roadside.DGN				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT DANIEL R. CORLETT CERTIFICATE NO. 725 DATE:	Washington State Department of Transportation	SR 14 MARBLE RD. VIC. SAFETY IMPROVEMENTS	Plot 4
TIME	7:38:09 AM										PLAN REF NO NB4
DATE	10/6/2011				JOB NUMBER 11X308					ROADSIDE RESTORATION	SHEET OF SHEETS
PLOTTED BY	phipper										
DESIGNED BY	D. CORLETT / R. PHIPPS										
ENTERED BY	R. PHIPPS										
CHECKED BY	D. CORLETT										
PROJ. ENGR.	C. TAMS				CONTRACT NO.		LOCATION NO. XL3172				
REGIONAL ADM.	B. GERNHART	REVISION	DATE	BY				P.E. STAMP BOX DATE	P.E. STAMP BOX DATE		

T.1N. R.5E. W.M.

LEGEND

XXX / YYY — PLANT MIX / QUANTITY THIS AREA

PLANTING AREA



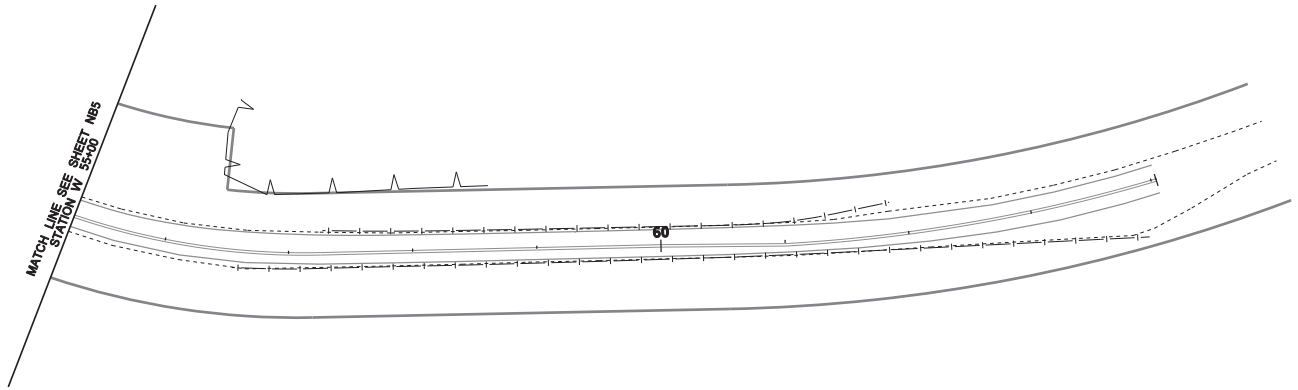
TMR / 0 — TOTAL TREE MIX QUANTITY THIS SHEET. PLACE WHERE STAKED BY ENGINEER

0 50 100
SCALE IN FEET

FILE NAME	G:\Roadside\01_ projects\014\11 Columbia R. Gorge Nat. Scenic Area\Marble Rd to Belle Center Rd\02_PSE\CAD\Roadside Restoration\L3172_PS_Roadside.DGN				REGION NO.	STATE	FED.AID PROJ.NO.	STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT	Washington State Department of Transportation	SR 14 MARBLE RD. VIC. SAFETY IMPROVEMENTS	Plot 5
TIME	7:38:10 AM				10	WASH		DANIEL R. CORLETT			PLAN REF NO NB5
DATE	10/6/2011				JOB NUMBER			CERTIFICATE NO. 725			
PLOTTED BY	phipper				11X308			DATE:			
DESIGNED BY	D. CORLETT / R. PHIPPS				CONTRACT NO.		LOCATION NO.	DATE		ROADSIDE RESTORATION	SHEET OF SHEETS
ENTERED BY	R. PHIPPS						XL3172	P.E. STAMP BOX	P.E. STAMP BOX DATE		
CHECKED BY	D. CORLETT										
PROJ. ENGR.	C. TAMS										
REGIONAL ADM.	B. GERNHART	REVISION	DATE	BY							

TMR / XXX — TOTAL TREE MIX QUANTITY THIS SHEET. PLACE WHERE STAKED BY ENGINEER

T.1N. R.5E. W.M.



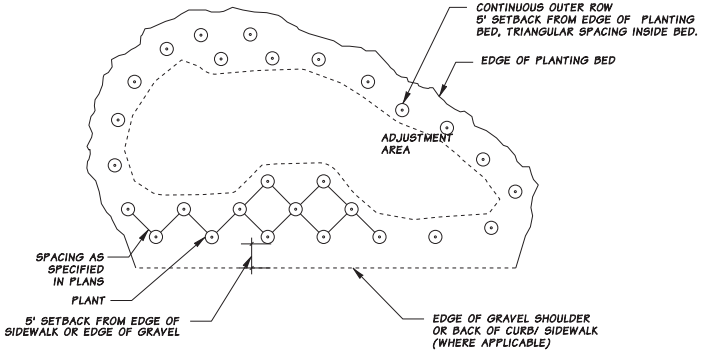
LEGEND

XXX / YYY — PLANT MIX / QUANTITY THIS AREA

PLANTING AREA

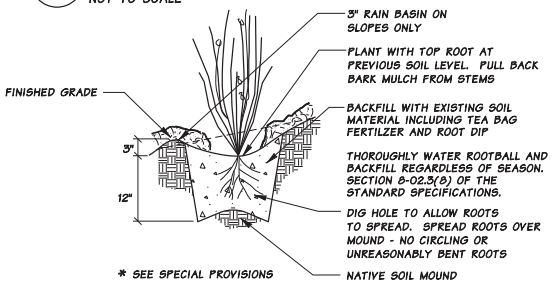
0 50 100
SCALE IN FEET

FILE NAME	G:\Roadside\01_ projects\014\11 Columbia R. Gorge Nat. Scenic Area\Marble Rd to Belle Center Rd\02_PSE\CAD\Roadside Restoration\L3172_PS_Roadside.DGN				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT DANIEL R. CORLETT CERTIFICATE NO. 725 DATE:	Washington State Department of Transportation	SR 14 MARBLE RD. VIC. SAFETY IMPROVEMENTS	Plot 6
TIME	7:38:11 AM										PLAN REF NO NB6
DATE	10/6/2011				JOB NUMBER 11X308					ROADSIDE RESTORATION	SHEET OF SHEETS
PLOTTED BY	phipper										
DESIGNED BY	R. PHIPPS										
ENTERED BY	R. PHIPPS										
CHECKED BY	D. CORLETT										
PROJ. ENGR.	C. TAMS				CONTRACT NO.		LOCATION NO. XL3172	P.E. STAMP BOX DATE	P.E. STAMP BOX DATE		
REGIONAL ADM.	B. GERNHART	REVISION	DATE	BY							



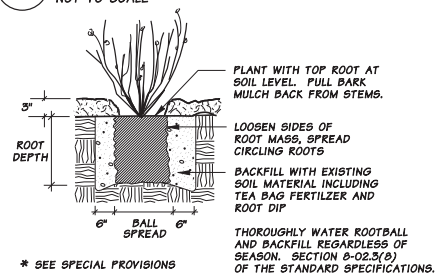
GENERAL SHRUB BED LAYOUT

NOT TO SCALE



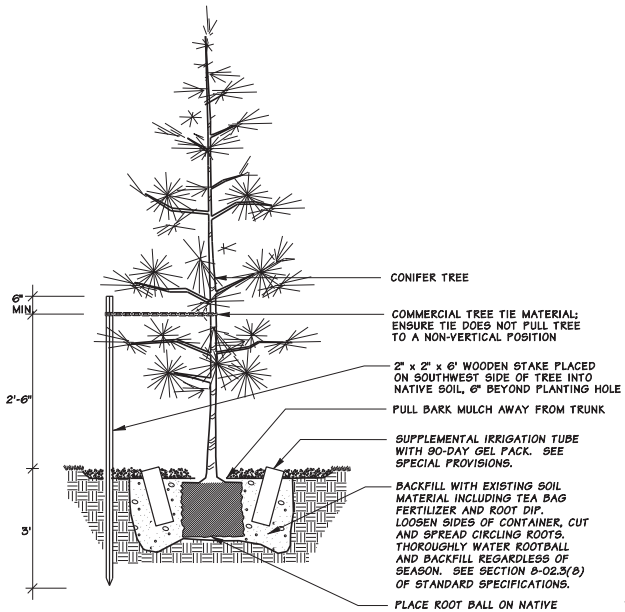
BAREROOT/SLOPE PLANTING

NOT TO SCALE



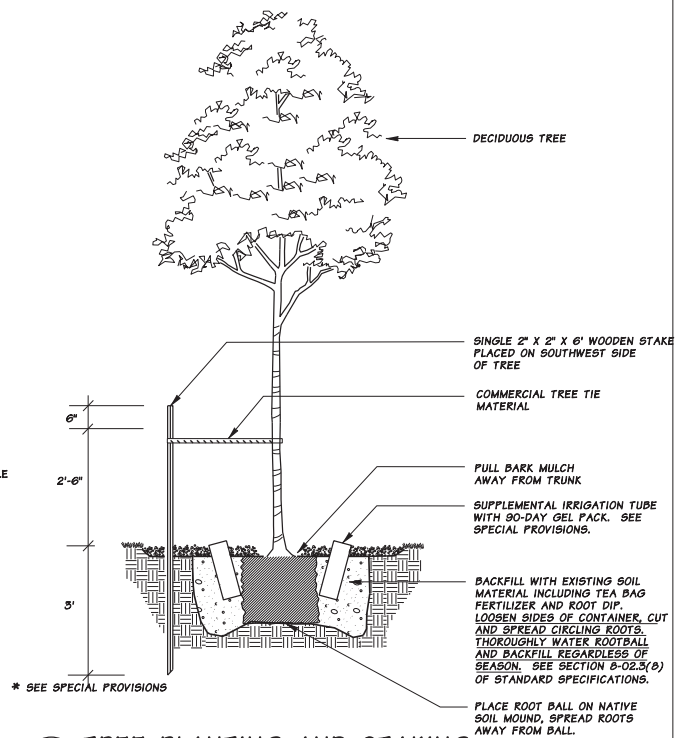
CONTAINER PLANTING

NOT TO SCALE



CONIFER PLANTING AND STAKING

NOT TO SCALE



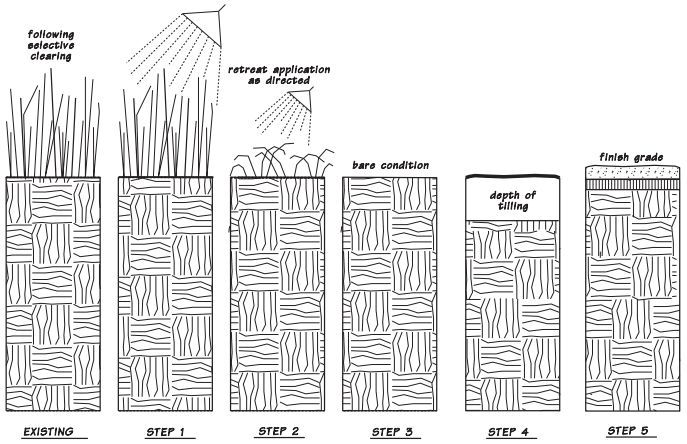
TREE PLANTING AND STAKING

NOT TO SCALE

FILE NAME	G:\Roadside\01_ projects\014\11 Columbia R. Gorge Nat. Scenic Area\Marble Rd to Belle Center Rd\02_PSE\CAD\Roadside Restoration\L3172_PS_Roadside.DGN				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT DANIEL R. CORLETT CERTIFICATE NO. 725 DATE:	Washington State Department of Transportation	SR 14 MARBLE RD. VIC. SAFETY IMPROVEMENTS	Plot 7 PLAN REF NO NB7
TIME	7:38:11 AM										SHEET
DATE	10/6/2011										OF
PLOTTED BY	phipper										SHEETS
DESIGNED BY	R. PHIPPS				JOB NUMBER 11X308						
ENTERED BY	R. PHIPPS										
CHECKED BY	D. CORLETT										
PROJ. ENGR.	C. TAMS				CONTRACT NO.		LOCATION NO. XL3172	P.E. STAMP BOX DATE	P.E. STAMP BOX DATE	ROADSIDE RESTORATION	
REGIONAL ADM.	B. GERNHART	REVISION	DATE	BY							

SUMMARY OF QUANTITIES - SOIL PREPARATION AND SEEDING

ITEM	UNIT	QTY WM2	QTY WM5	QTY WM6	QTY WM7	TOTAL QUANTITY
SEED, FERTILIZING, AND MULCHING, SEED MIX - WETLAND	ACRE	0	2.13	0	0	2.13
TOPSOIL TYPE B	CY	0	250	0	0	250
COMPOST BLANKET	SY	0	45,460	0	0	45,460
BARK MULCH	CY	0	2390	0	4860	7250
SOIL PREPARATION AREA	ACRE	0	6.36	0	12.03	18.39
SELECTIVE CLEARING	ACRE	0	2.42	0	0	2.42
SOIL AMENDMENT - BETONITE	CY	0	275	0	0	275
CLEARING & GRUBBING	ACRE	1.66	0	0	0	1.66



NOTE:

THIS DETAIL FOR ORDER OF WORK ONLY. WEED CONTROL IN PLANTING AREAS SHALL BE ACCORDING TO SECTION 8-02.3(3) OF THE SPECIAL PROVISIONS.

GENERAL NOTES

SEE SPECIAL PROVISIONS

STEP 1

FOLLOWING SELECTIVE CLEARING ACTIVITIES, AND REMOVAL OF SELECT SHRUBS & INVASIVE SPECIES IN THE MITIGATION AREA, BLANKET SPRAY ALL VEGETATION WITHIN SOIL PREPARATION AREA LIMITS WITH A SYSTEMIC, NON-SELECTIVE, POST-EMERGENT IN ACCORDANCE WITH THE APPROVED "WEED AND PEST CONTROL PLAN." A COLORANT SHALL BE USED TO VISUALLY IDENTIFY TREATED AREAS. HERBICIDE SHALL BE APPROVED FOR OVER-WATER APPLICATION.

STEP 2

TREATED AREAS SHALL BE ALLOWED TO REMAIN UNDISTURBED FOR A MIMNIMUM PERIOD OF TWO MONTHS, OR AS DETERMINED BY THE ENGINEER. CHEMICALLY TREAT RE-GROWTH OR UNDESIRABLE REMAINING VEGETATION AT THE DIRECTION OF THE ENGINEER.

STEP 3

REMOVE ALL VEGETATIVE DEBRIS INCLUDING ACCUMULATED LEAVES, DEAD PLANTS, GRASS, AND THATCH TO PRODUCE A BARE SOIL CONDITION.

STEP 4

TILL SOIL PREPARATION TO A MINIMUM DEPTH OF 8 INCHES. SMOOTH AREAS AND REMOVE ANY LARGE OBSTRUCTIONS OR OTHER DEBRIS AS DIRECTED BY ENGINEER.

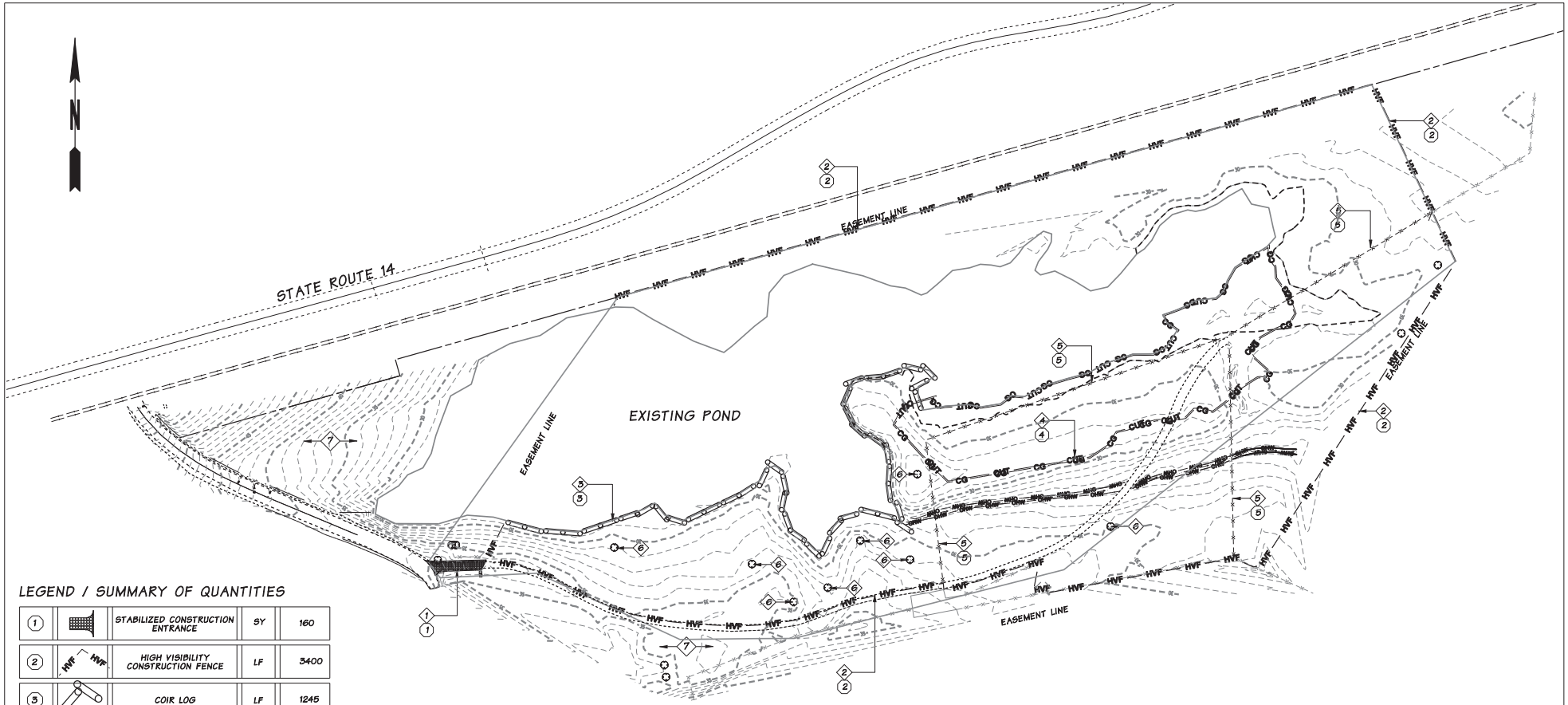
STEP 5

IF APPLICABLE, APPLY 3-INCH TOPSOIL TYPE B TO THE LIMITS SHOWN ON THE PLANS. APPLY 3 INCHES OF COMPOST TO THE LIMITS SHOWN ON THE PLANS. DO NOT INCORPORATE. APPLY 3 INCHES OF BARK MULCH TO THE LIMITS SHOWN ON THE PLANS.

1 SOIL PREPARATION - SEQUENCE OF WORK

NOT TO SCALE

FILE NAME	G:\Roadside\01_ projects\014\11 Columbia R. Gorge Nat. Scenic Area\Marble Rd to Belle Center Rd\02_PSE\CAD\Roadside Restoration\L3172_PS_WetMit.DGN				REGION NO.	STATE	FED.AID PROJ.NO.	STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT DANIEL R. CORLETT CERTIFICATE NO. 725 DATE:	Washington State Department of Transportation	SR 14 MARBLE RD. VIC. SAFETY IMPROVEMENTS	Plot 1
TIME	7:33:48 AM				10	WASH					PLAN REF NO WM1
DATE	10/6/2011				JOB NUMBER 11X308						
PLOTTED BY	phipper				CONTRACT NO.		LOCATION NO. XL3172			WETLAND MITIGATION QTY SUMMARY	SHEET OF SHEETS
DESIGNED BY	R. PHIPPS										
ENTERED BY	R. PHIPPS										
CHECKED BY	D. CORLETT										
PROJ. ENGR.	C. TAMS							P.E. STAMP BOX	DATE		
REGIONAL ADM.	B. GERNHART	REVISION	DATE	BY							



LEGEND / SUMMARY OF QUANTITIES

1		STABILIZED CONSTRUCTION ENTRANCE	SY	160
2	HVF HVF	HIGH VISIBILITY CONSTRUCTION FENCE	LF	3400
3		COIR LOG	LF	1245
4	CG CG	LIMITS OF CLEARING & GRUBBING	AC	1.66
5		REMOVE EXISTING FENCELINE	LF	1380
--		EXISTING CONTOURS	--	--
--		PROPOSED CONTOURS	--	--

0 75 150
SCALE IN FEET

CONSTRUCTION NOTES

1. STABILIZED CONSTRUCTION ENTRANCE PER STANDARD SPECIFICATIONS SECTION 8-01.3(7).
2. HIGH VISIBILITY CONSTRUCTION FENCE PER STANDARD SPECIFICATIONS SECTION 8-01.3(7).
3. COIR LOG PER STANDARD SPECIFICATIONS SECTION 8-01.3(6)E.
4. CLEAR & GRUBBING LIMITS PER STANDARD SPECIFICATIONS 2-01.3(1) & 2-01.3(2) AND SPECIAL PROVISIONS.
5. REMOVE EXISTING FENCELINE
6. PROTECT EXISTING TREES AND DESIRABLE VEGETATION AS FLAGGED BY THE ENGINEER
7. NO WORK THIS AREA

FILE NAME	G:\Roadside\01_ projects\014\11 Columbia R. Gorge Nat. Scenic Area\Marble Rd to Belle Center Rd\02_PSE\CAD\Roadside Restoration\L3172_PS_WetMit.DGN			
TIME	7:33:50 AM			
DATE	10/6/2011			
PLOTTED BY	phipper			
DESIGNED BY	R. PHIPPS			
ENTERED BY	R. PHIPPS			
CHECKED BY	D. CORLETT			
PROJ. ENGR.	C. TAMS			
REGIONAL ADM.	B. GERNHART	REVISION	DATE	BY

REGION NO. 10 | STATE WASH
JOB NUMBER 11X308
CONTRACT NO.
FED.AID PROJ.NO.
LOCATION NO. XL3172

STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT
DANIEL R. CORLETT
CERTIFICATE NO. 725
DATE:
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

SR 14
MARBLE RD. VIC.
SAFETY IMPROVEMENTS

BEACON RK - SITE PREP & TESC PLAN

Plot 2
PLAN REF NO WM2
SHEET
OF
SHEETS

LEGEND / SUMMARY OF QUANTITIES

1		CRUSHED SURFACE BASE COURSE	CY	20
2		TYPE 2 WIRE FENCE (BARBLESS)	LF	630
3		SINGLE WIRE GATE, 14'	EA	1
--		EXISTING CONTOURS	--	--
--		PROPOSED CONTOURS (EXCAVATION INCLUDING HAUL)	CY	8000 (CUT)

CONSTRUCTION NOTES

1. GRADE 3-INCH DEPTH OF CRUSHED SURFACING BASE COURSE OVER STABILIZED CONSTRUCTION ENTRANCE FOLLOWING MAJOR SITE WORK TO RODUCE A DRIVEABLE PARKING SURFACE.
2. TYPE 2 (BARBLESS) WIRE FENCE TO BE INSTALLED FOLLOWING MAJOR SITE WORK - SET ON EASEMENT LINE - MINIMIZE VEGETATION DISTURBANCE. NO REMOVAL OF TREES LARGER THAN 3-INCH DBH.
3. SINGLE WIRE GATE, 14'. SET GATE TO SWING INTO THE SITE.
4. SURFACE ELEVATIONS SHOWN ARE FINISHED GRADE. OVEREXCAVATE AS NECESSARY TO ACCOMMODATE SOIL AMENDMENTS & INCORPORATION
5. FINE GRADING FOR FINAL WETLAND SURFACE TO BE AT THE DIRECTION OF THE ENGINEER

FILE NAME	G:\Roadside\01_ projects\014\11 Columbia R. Gorge Nat. Scenia Area\Marble Rd to Belle Center Rd\02_PSE\CAD\Roadside Restoration\L3172_PS_WetMit.DGN
TIME	7:33:53 AM
DATE	10/6/2011
PLOTTED BY	phippsr
DESIGNED BY	R. PHIPPS
ENTERED BY	R. PHIPPS
CHECKED BY	D. CORLETT
PROJ. ENGR.	C. TAMS
REGIONAL ADM.	B. GERNHART

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 11X308		
CONTRACT NO.		LOCATION NO. XL3172

STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT
DANIEL R. CORLETT
CERTIFICATE NO. 725
DATE:

DATE
P.E. STAMP BOX

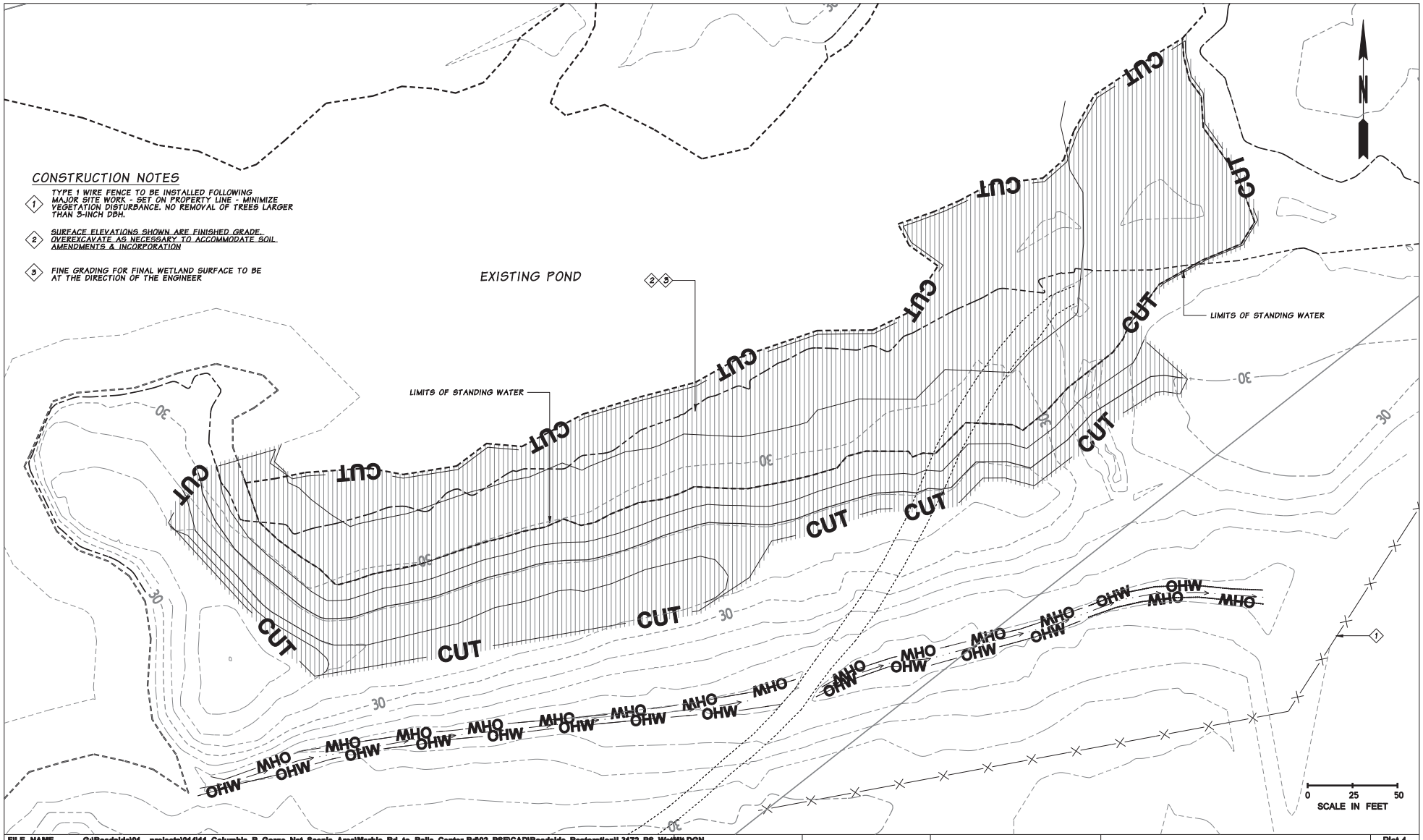
DATE
P.E. STAMP BOX

Washington State Department of Transportation

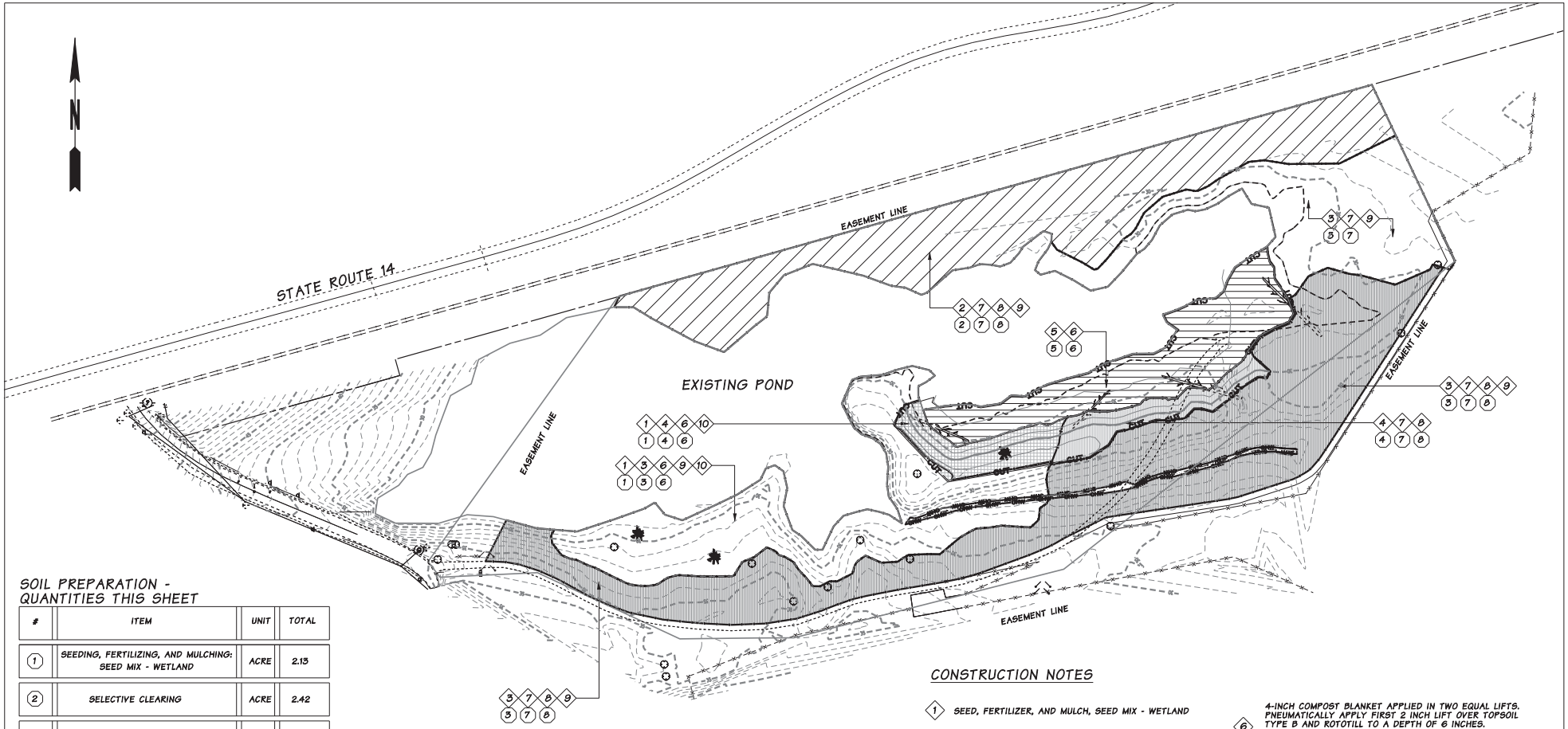
SR 14
MARBLE RD. VIC.
SAFETY IMPROVEMENTS

BEACON RK - GRADING PLAN

Plot 3
PLAN REF NO WM3
SHEET
OF
SHEETS



FILE NAME	G:\Roadside\01_ projects\014\11 Columbia R. Gorge Nat. Scenic Area\Marble Rd to Belle Center Rd\02_PSE\CAD\Roadside Restoration\L3172_PS_WetMit.DGN				REGION NO.	STATE	FED.AID PROJ.NO.	STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT	Washington State Department of Transportation	SR 14 MARBLE RD. VIC. SAFETY IMPROVEMENTS	Plot 4
TIME	7:33:55 AM				10	WASH		DANIEL R. CORLETT			PLAN REF NO WM4
DATE	10/6/2011				JOB NUMBER 11X308			CERTIFICATE NO. 725			
PLOTTED BY	phipper				CONTRACT NO.		LOCATION NO. XL3172	DATE:		BEACON RK - GRADING PLAN	SHEET OF SHEETS
DESIGNED BY	R. PHIPPS							P.E. STAMP BOX DATE	P.E. STAMP BOX DATE		
ENTERED BY	R. PHIPPS										
CHECKED BY	D. CORLETT										
PROJ. ENGR.	C. TAMS										
REGIONAL ADM.	B. GERNHART	REVISION	DATE	BY							



SOIL PREPARATION - QUANTITIES THIS SHEET

#	ITEM	UNIT	TOTAL
1	SEEDING, FERTILIZING, AND MULCHING: SEED MIX - WETLAND	ACRE	2.13
2	SELECTIVE CLEARING	ACRE	2.42
3	SOIL PREPARATION AREA	ACRE	6.36
4	TOPSOIL TYPE B	C.Y.	250
5	SOIL AMENDMENT - BETONITE	C.Y.	275
6 7	COMPOST BLANKET	C.Y.	45,460
8	BARK WOOD CHIP MULCH	C.Y.	2390

LEGEND

	FALLEN TREE	EA	4
	STUMP W/ ROOTWAD & BRUSH PILE	EA	3

0 75 150
SCALE IN FEET

CONSTRUCTION NOTES

1. SEED, FERTILIZER, AND MULCH, SEED MIX - WETLAND
2. SELECTIVE CLEARING ONLY. SEE SPECIAL PROVISIONS 8-02.3(5) SOIL PREPARATION AREAS.
3. SOIL PREPARATION AREA FOLLOWING SELECTIVE CLEARING AND GRUBBING. SEE SPECIAL PROVISION 8-02.3(5) SOIL PREPARATION AREAS.
4. 3-INCH TOPSOIL TYPE B
5. 2-INCH BETONITE CLAY: TILLED TO A DEPTH OF 12 INCHES
6. 4-INCH COMPOST BLANKET APPLIED IN TWO EQUAL LIFTS. PNEUMATICALLY APPLY FIRST 2 INCH LIFT OVER TOPSOIL TYPE B AND ROTOTILL TO A DEPTH OF 6 INCHES. PNEUMATICALLY APPLY SECOND 2-INCH LIFT - DO NOT INCORPORATE. SEE SPECIAL PROVISION 8-01.3(4), PLACING COMPOST BLANKET
7. 3-INCH COMPOST BLANKET
8. 3-INCH BARK OR WOOD CHIP MULCH
9. RESTORE SURFACE CONTOURS AND ELIMINATE AREAS OF COMPACTION PER SECTION 8-02.3(5) AND DETAILS IN THE PLANS
10. SURFACE PREPARATION PRIOR TO SEEDING TO PRODUCE BARE SOIL CONDITION PER SECTION 8-01.3(2) OF THE STANDARD SPECIFICATIONS.

FILE NAME	G:\Roadside\01_ projects\014\11 Columbia R. Gorge Nat. Scenic Area\Marble Rd to Belle Center Rd\02_PSE\CAD\Roadside Restoration\L3172_PS_WetMit.DGN
TIME	7:33:57 AM
DATE	10/6/2011
PLOTTED BY	phipper
DESIGNED BY	D. CORLETT/R. PHIPPS
ENTERED BY	R. PHIPPS
CHECKED BY	D. CORLETT
PROJ. ENGR.	C. TAMS
REGIONAL ADM.	B. GERNHART

REVISION	DATE	BY

REGION NO. 10 | STATE WASH
JOB NUMBER 11X308
CONTRACT NO.
FED.AID PROJ.NO.
LOCATION NO. XL3172

STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT
DANIEL R. CORLETT
CERTIFICATE NO. 725
DATE:
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

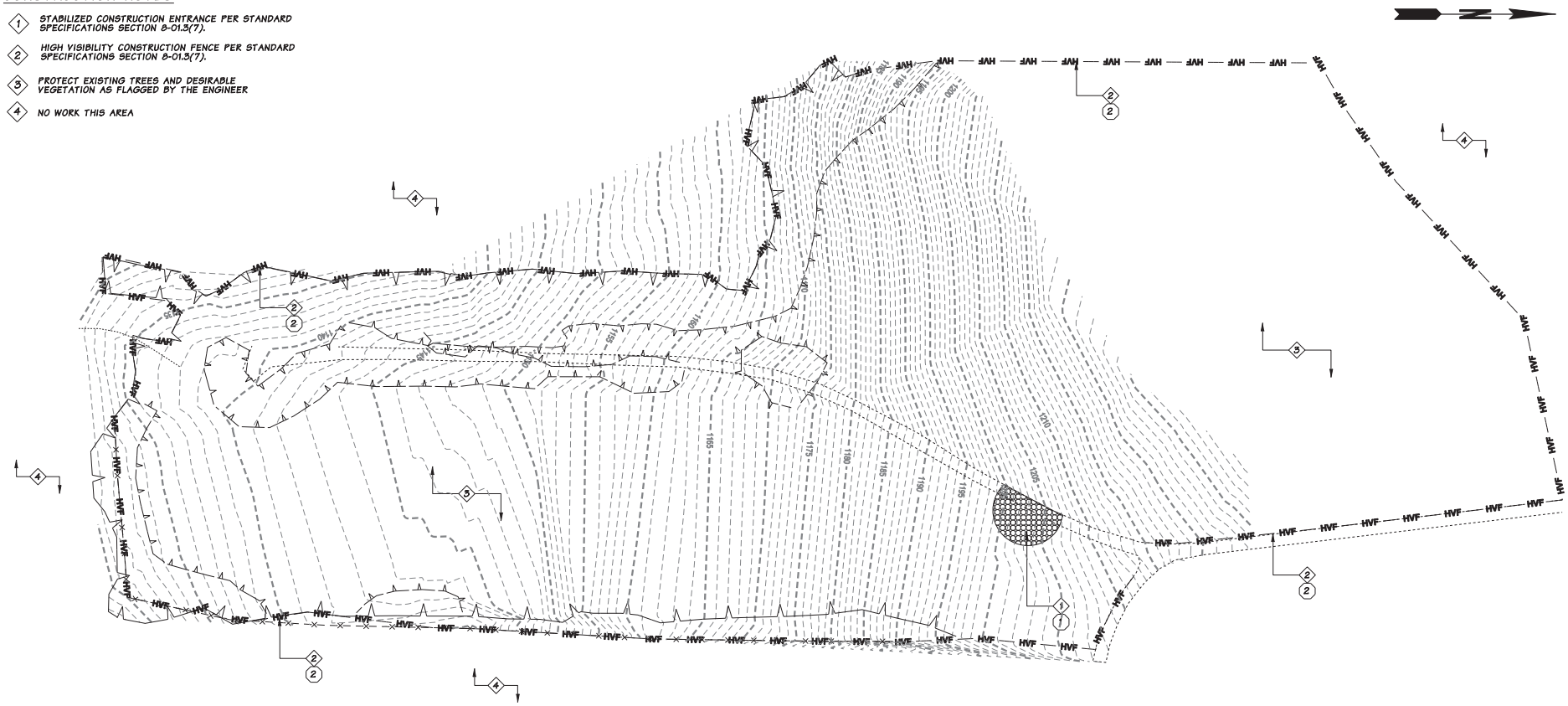
SR 14
MARBLE RD. VIC.
SAFETY IMPROVEMENTS

BEACON RK-SOIL PREP & HABITAT PLN

Plot 5
PLAN REF NO WM5
SHEET OF SHEETS

CONSTRUCTION NOTES

1. STABILIZED CONSTRUCTION ENTRANCE PER STANDARD SPECIFICATIONS SECTION 8-01.3(7).
2. HIGH VISIBILITY CONSTRUCTION FENCE PER STANDARD SPECIFICATIONS SECTION 8-01.3(7).
3. PROTECT EXISTING TREES AND DESIRABLE VEGETATION AS FLAGGED BY THE ENGINEER
4. NO WORK THIS AREA



LEGEND / SUMMARY OF QUANTITIES

1		STABILIZED CONSTRUCTION ENTRANCE	SY	280
2	HVF HVF	HIGH VISIBILITY CONSTRUCTION FENCE	LF	3760
--		EXISTING CONTOURS	--	--

FILE NAME	G:\Roadside\01_ projects\014\11 Columbia R. Gorge Nat. Scenic Area\Marble Rd to Belle Center Rd\02_PSE\CAD\Roadside Restoration\L3172_PS_WetMit.DGN							Plot 6
TIME	7:33:59 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	PLAN REF NO WM6
DATE	10/6/2011							
PLOTTED BY	phipper				JOB NUMBER 11X308			
DESIGNED BY	R. PHIPPS				CONTRACT NO.		LOCATION NO. XL3172	SHEET OF SHEETS
ENTERED BY	R. PHIPPS							
CHECKED BY	D. CORLETT							
PROJ. ENGR.	C. TAMS							
REGIONAL ADM.	B. GERNHART	REVISION	DATE	BY				

STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT
DANIEL R. CORLETT
CERTIFICATE NO. 725
DATE:
P.E. STAMP BOX

DATE
P.E. STAMP BOX

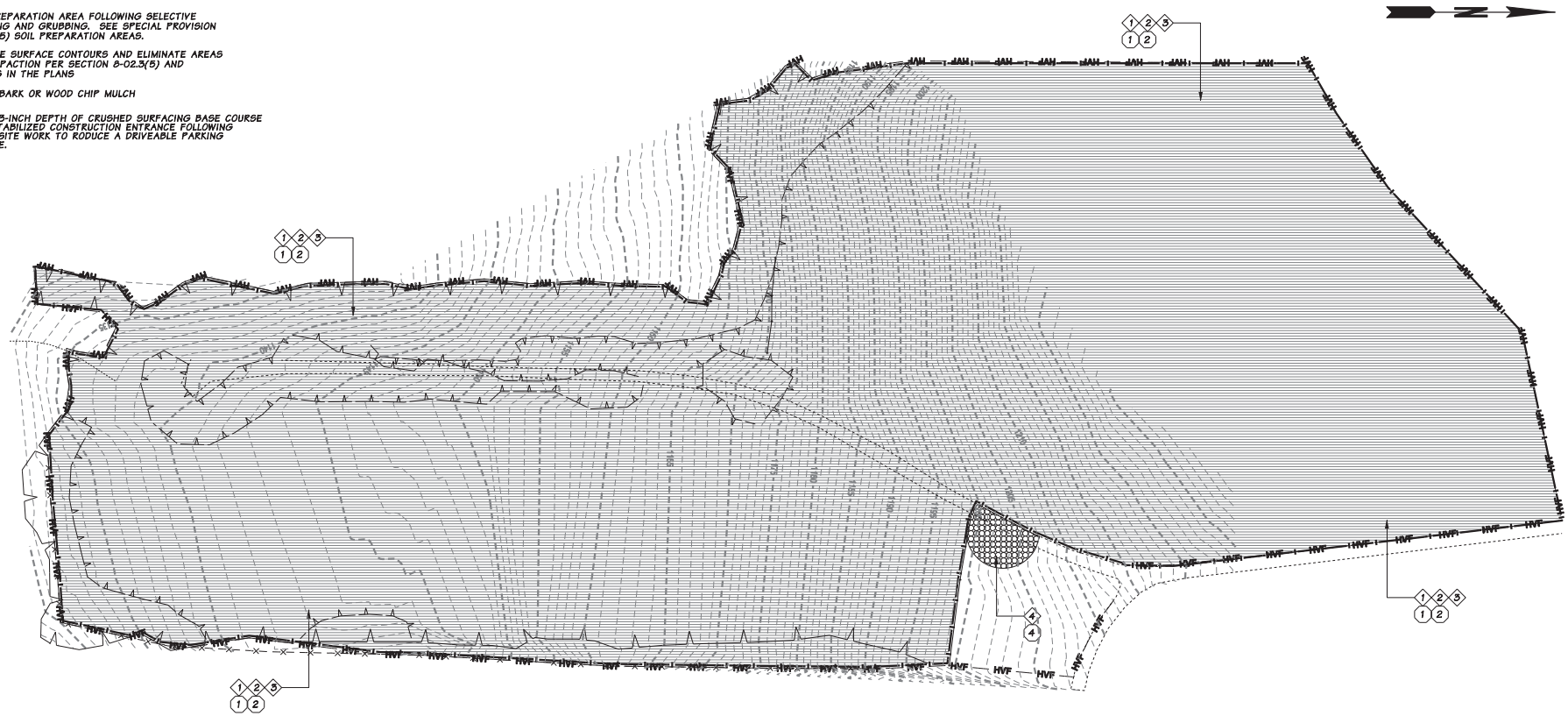
Washington State Department of Transportation

SR 14
MARBLE RD. VIC.
SAFETY IMPROVEMENTS

CLEVELAND-SITE PREP & TESC PLAN

CONSTRUCTION NOTES

1. SOIL PREPARATION AREA FOLLOWING SELECTIVE CLEARING AND GRUBBING. SEE SPECIAL PROVISION 8-02.3(5) SOIL PREPARATION AREAS.
2. RESTORE SURFACE CONTOURS AND ELIMINATE AREAS OF COMPACTION PER SECTION 8-02.3(5) AND DETAILS IN THE PLANS
3. 3-INCH BARK OR WOOD CHIP MULCH
4. GRADE 3-INCH DEPTH OF CRUSHED SURFACING BASE COURSE OVER STABILIZED CONSTRUCTION ENTRANCE FOLLOWING MAJOR SITE WORK TO RODUCE A DRIVEABLE PARKING SURFACE.

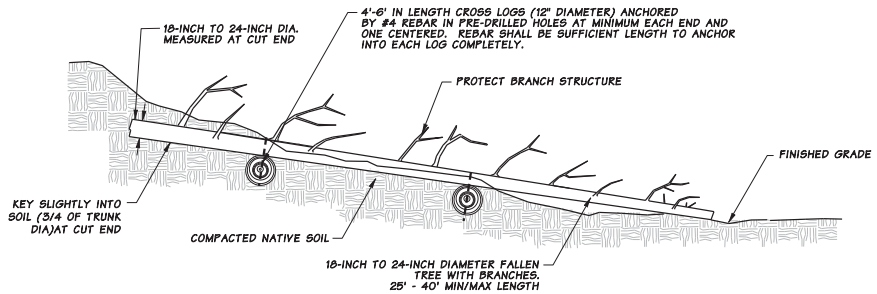


SOIL PREPARATION - QUANTITIES THIS SHEET

#	ITEM	UNIT	TOTAL
1	SOIL PREPARATION AREA	ACRE	12.03
2	BARK WOOD CHIP MULCH	CY	4860
4	CRUSHED SURFACE BASE COURSE	CY	25

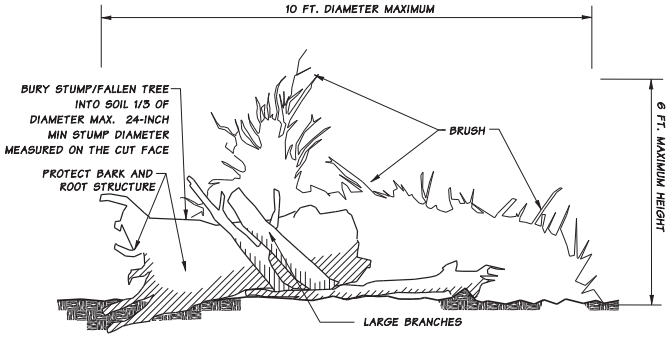
0 75 150
SCALE IN FEET

FILE NAME	G:\Roadside\01_ projects\014\11 Columbia R. Gorge Nat. Scenic Area\Marble Rd to Belle Center Rd\02_PSE\CAD\Roadside Restoration\L3172_PS_WetMit.DGN									Plot 7
TIME	7:34:01 AM				REGION NO.	STATE	FED.AID PROJ.NO.	STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT		PLAN REF NO WM7
DATE	10/6/2011				10	WASH		DANIEL R. CORLETT	Washington State Department of Transportation	SR 14 MARBLE RD. VIC. SAFETY IMPROVEMENTS
PLOTTED BY	phipper				JOB NUMBER 11X308			CERTIFICATE NO. 725		
DESIGNED BY	R. PHIPPS				CONTRACT NO.		LOCATION NO. XL3172	DATE:		SHEET OF SHEETS
ENTERED BY	R. PHIPPS							DATE		CLEVELAND-SOIL PREP & HABITAT PLN
CHECKED BY	D. CORLETT							P.E. STAMP BOX	P.E. STAMP BOX DATE	
PROJ. ENGR.	C. TAMS									
REGIONAL ADM.	B. GERNHART	REVISION	DATE	BY						



1 FALLEN TREE INSTALLATION

NOT TO SCALE



NOTES

STRUCTURE MUST INCLUDE STUMP AS SHOWN

PLACE WHERE SHOWN IN THE PLANS OR STAKED BY THE ENGINEER

SIZE VARIES, 36-120 SQ FT SURFACE AREA OR AS DIRECTED

LOOSELY PLACE BRUSH OVER STUMP USING METHODS APPROVED BY THE ENGINEER

6-FOOT MAXIMUM HEIGHT

SEE SPECIAL PROVISIONS FOR BRUSH REQUIREMENTS

2 STUMP W/ ROOTWAD & BRUSH PILE

NOT TO SCALE

FILE NAME	G:\Roadside\01_ projects\014\11 Columbia R. Gorge Nat. Scenic Area\Marble Rd to Belle Center Rd\02_PSE\CAD\Roadside Restoration\L3172_PS_WetMit.DGN				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT DANIEL R. CORLETT CERTIFICATE NO. 725 DATE:	Washington State Department of Transportation	SR 14 MARBLE RD. VIC. SAFETY IMPROVEMENTS	Plot 8 PLAN REF NO WM8
TIME	7:34:03 AM										SHEET OF SHEETS
DATE	10/6/2011				JOB NUMBER 11X308					WETLAND MIT. DETAILS	
PLOTTED BY	phipper										
DESIGNED BY	R. PHIPPS										
ENTERED BY	R. PHIPPS										
CHECKED BY	D. CORLETT				CONTRACT NO.		LOCATION NO. XL3172				
PROJ. ENGR.	C. TAMS										
REGIONAL ADM.	B. GERNHART	REVISION	DATE	BY				P.E. STAMP BOX DATE	P.E. STAMP BOX DATE		