

Appendix D — Construction Plan Sheets and Planting Plans

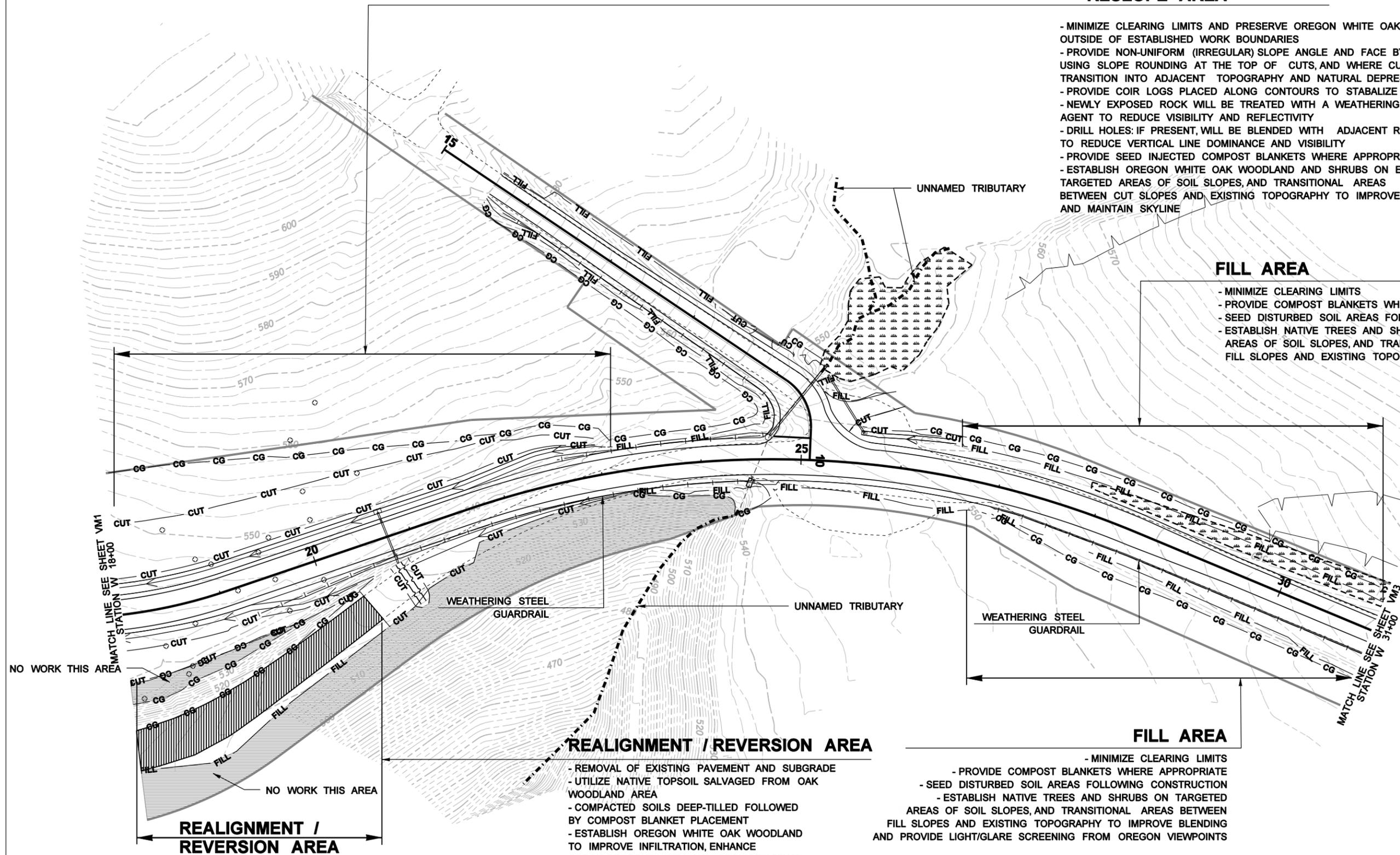
T.1N. R.5E. W.M.

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 STABILIZE 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 SKYLINE

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

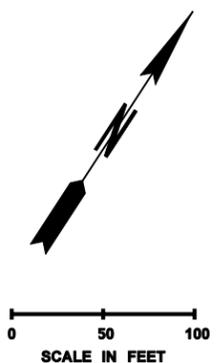


REALIGNMENT / REVERSION AREA

- 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

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



FILE NAME	G:\Roadside\01_projects\014\11 Columbia R. Gorge Nat. Scenia Area\Marble Rd to Belle Center Rd\02_PSEICAD\Permitting\13172_PS_ScenicResourceMitigation.DGN		
TIME	8:40:28 AM		
DATE	9/1/2011		
PLOTTED BY	phlpper		
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.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER	CONTRACT NO.	LOCATION NO.
11X308		XL3172

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

Washington State
Department of Transportation

Plot 2
PLAN REF NO
VM2
SHEET
OF
SHEETS

**SR 14
MARBLE RD. VIC.
SAFETY IMPROVEMENTS**

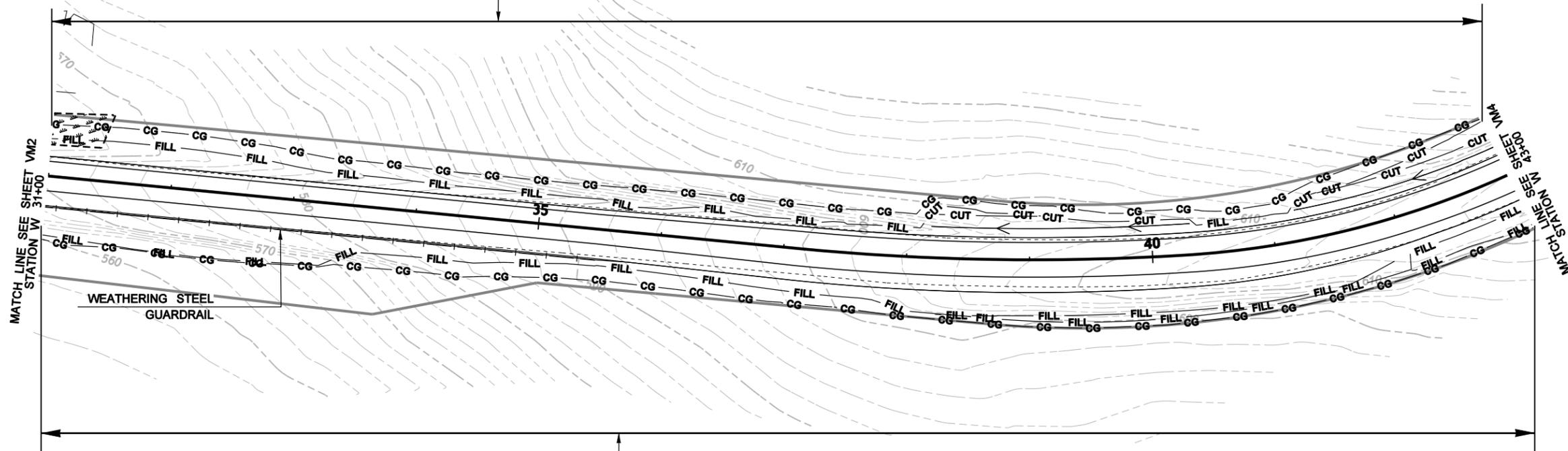
SCENIC RESOURCE MITIGATION

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



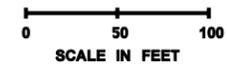
CUT / FILL AREA

- 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



FILE NAME	G:\Roadside\01_projects\014\11 Columbia R. Gorge Nat. Scenia Area\Marble Rd to Belle Center Rd\02_PSEICAD\Permitting\11X308_PS_ScenicResourceMitigation.DGN			
TIME	8:40:31 AM			
DATE	9/1/2011			
PLOTTED BY	phlpper			
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.	STATE
			10	WASH
			JOB NUMBER	FED.AID PROJ.NO.
			11X308	
			CONTRACT NO.	LOCATION NO.
				XL3172



P.E. STAMP BOX

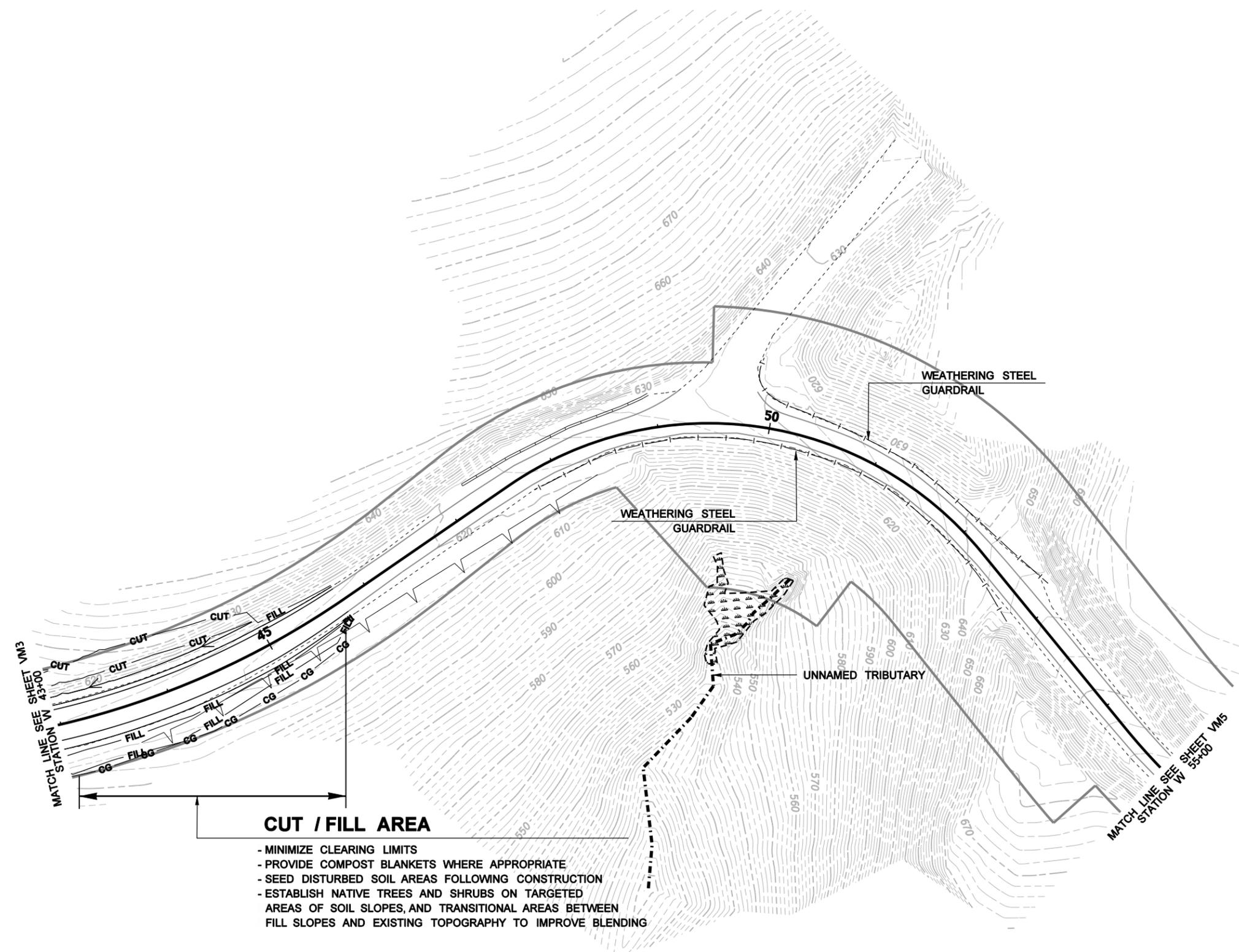


P.E. STAMP BOX

SR 14
MARBLE RD. VIC.
SAFETY IMPROVEMENTS
SCENIC RESOURCE MITIGATION

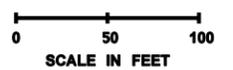
Plot 3
PLAN REF NO
VM3
SHEET
OF
SHEETS

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



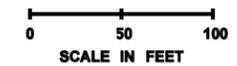
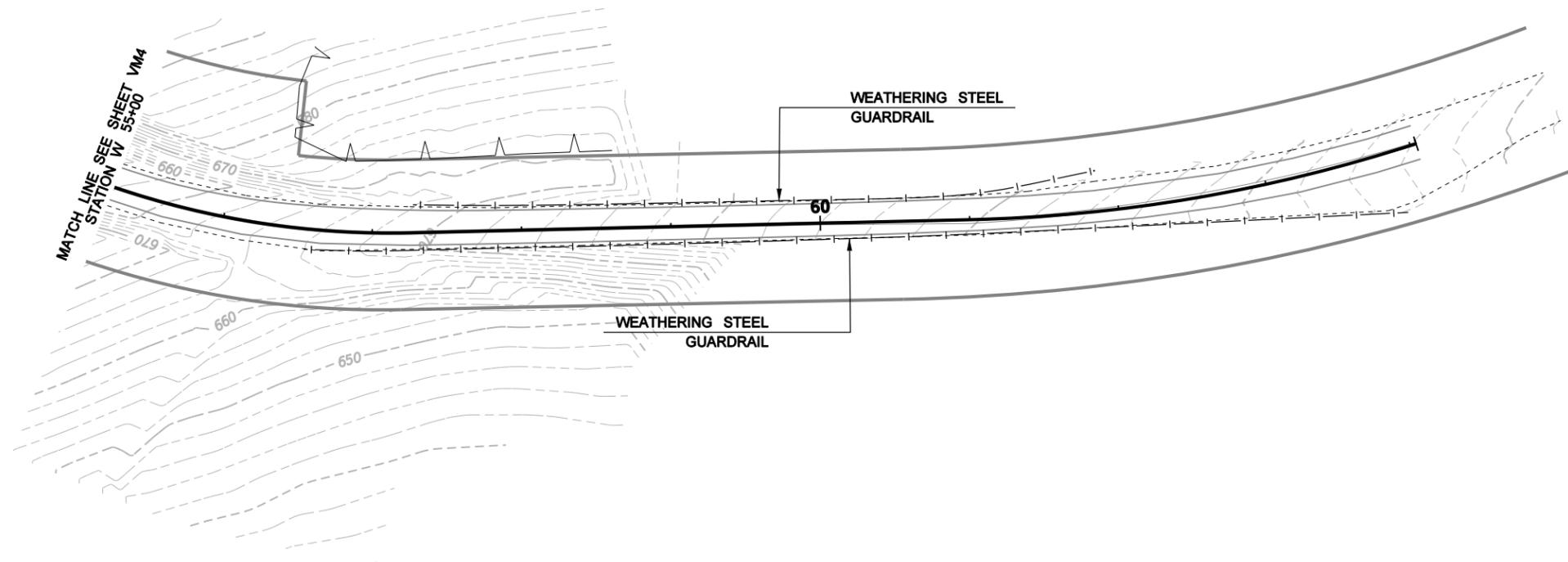
CUT / FILL AREA

- 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



FILE NAME G:\Roadside\01_projects\014\11 Columbia R. Gorge Nat. Scenia Area\Marble Rd to Belle Center Rd\02_PSEICAD\Permitting\13172_PS_ScenicResourceMitigation.DGN		REGION NO. 10		STATE WASH	FED.AID PROJ.NO.			SR 14 MARBLE RD. VIC. SAFETY IMPROVEMENTS	Plot 4									
TIME 8:40:33 AM	DATE 9/1/2011	PLOTTED BY phlpper	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	LOCATION NO. XL3172	DATE	P.E. STAMP BOX	DATE	P.E. STAMP BOX

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



FILE NAME	G:\Roadside\01_projects\014\11 Columbia R. Gorge Nat. Scenia Area\Marble Rd to Belle Center Rd\02_PSEICAD\Permitting\L3172_PS_ScenicResourceMitigation.DGN			
TIME	8:40:36 AM			
DATE	9/1/2011			
PLOTTED BY	phlpper			
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
			10	WASH
			JOB NUMBER	FED.AID PROJ.NO.
			11X308	
			CONTRACT NO.	LOCATION NO.
				XL3172



P.E. STAMP BOX



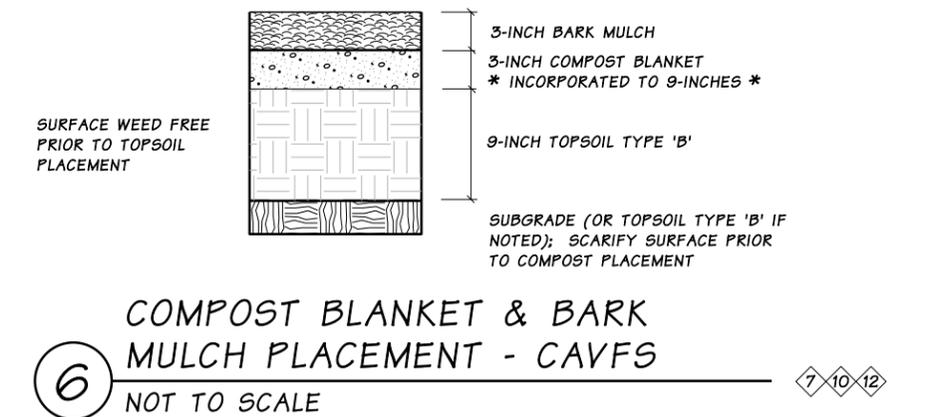
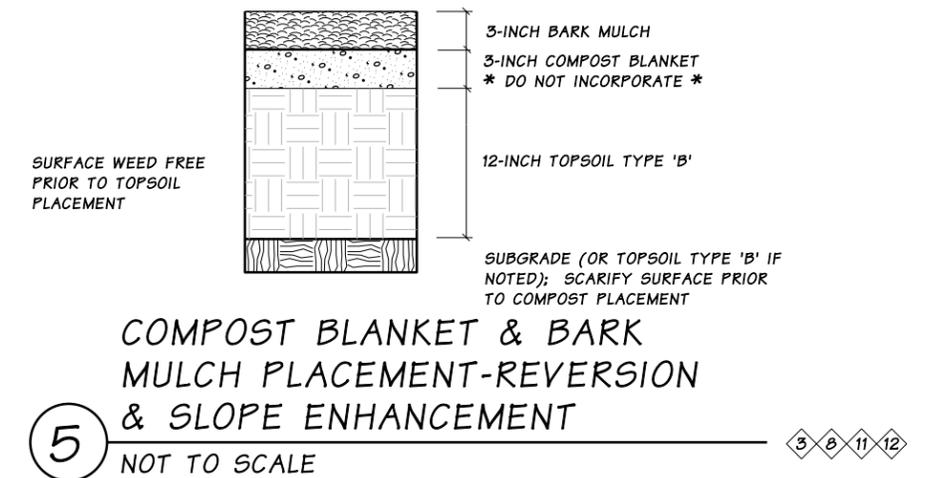
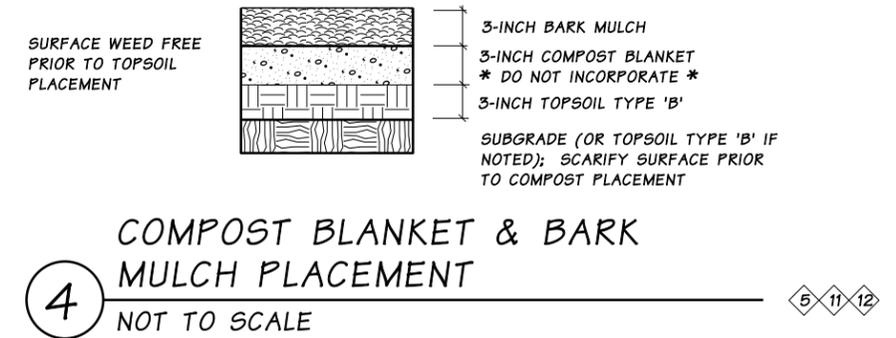
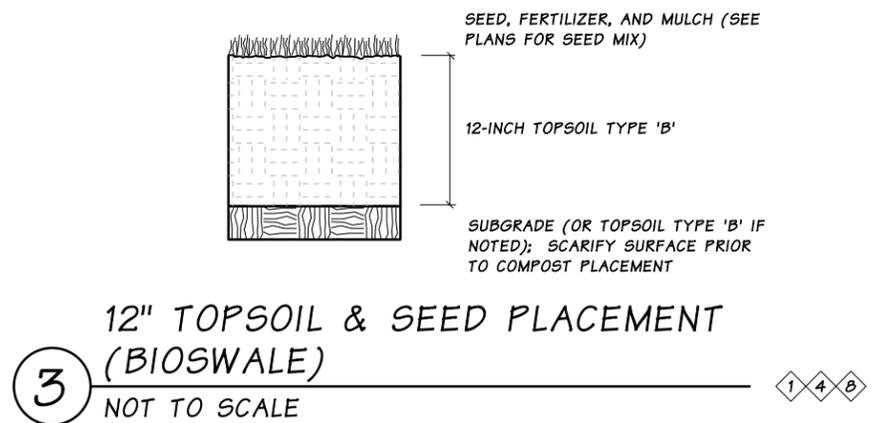
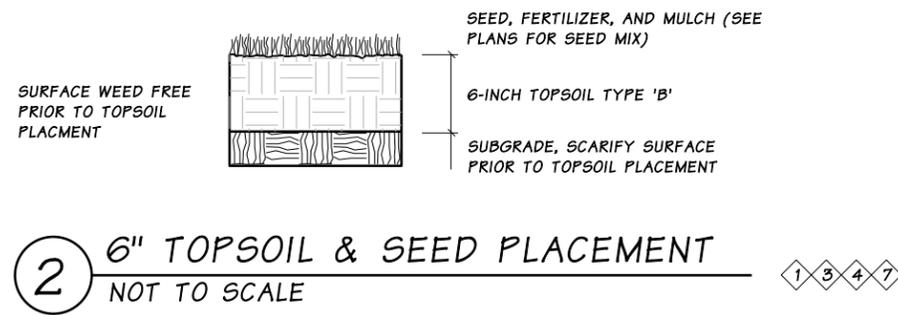
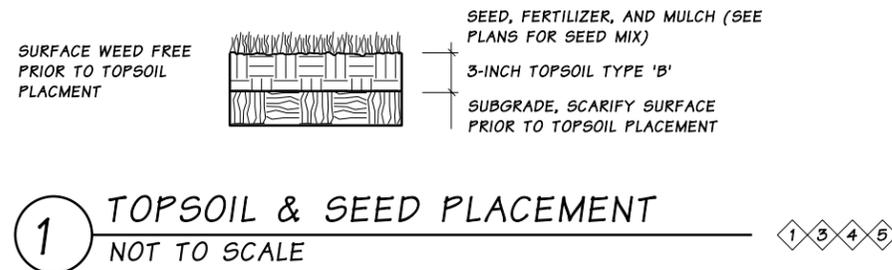
P.E. STAMP BOX

SR 14
MARBLE RD. VIC.
SAFETY IMPROVEMENTS
SCENIC RESOURCE MITIGATION

Plot 5
PLAN REF NO
VM5
SHEET
OF
SHEETS

SUMMARY OF QUANTITIES - SOIL PREPARATION AND SEEDING

ITEM	UNIT	QTY NA2	QTY NA3	QTY NA4	QTY NA5	TOTAL QUANTITY
SEED, FERTILIZING, AND MULCHING, SEED MIX - ROADSIDE	ACRE	0.20	0.80	0.80	0.30	2.10
SEED, FERTILIZING, AND MULCHING, SEED MIX - INJECTED	ACRE	0.80	0.70	0	0	1.50
TOPSOIL TYPE B	SY	9600	9700	3700	1060	24060
COMPOST BLANKET	SY	6800	4760	50	0	11610
SEED INJECTED COMPOST BLANKET	SY	3740	3450	0	0	7190
BARK MULCH	SY	6760	3820	50	0	10630



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				REGION NO.	STATE	FED.AID PROJ.NO.			SR 14 MARBLE RD. VIC. SAFETY IMPROVEMENTS	Plot 1
TIME	8:12:37 AM				10	WASH	DATE:				PLAN REF NO
DATE	2/16/2012				JOB NUMBER	11X308		CERTIFICATE NO. 725	Washington State Department of Transportation	SOIL PREPARATION QTY SUMMARY	SHEET
PLOTTED BY	phippr				CONTRACT NO.	XL3172		DATE			OF
DESIGNED BY	R. PHIPPS				LOCATION NO.	XL3172		P.E. STAMP BOX	DATE		
ENTERED BY	R. PHIPPS				REVISION	DATE	BY				
CHECKED BY	D. CORLETT										
PROJ. ENGR.	C. TAMS										
REGIONAL ADM.	D. WAGNER										

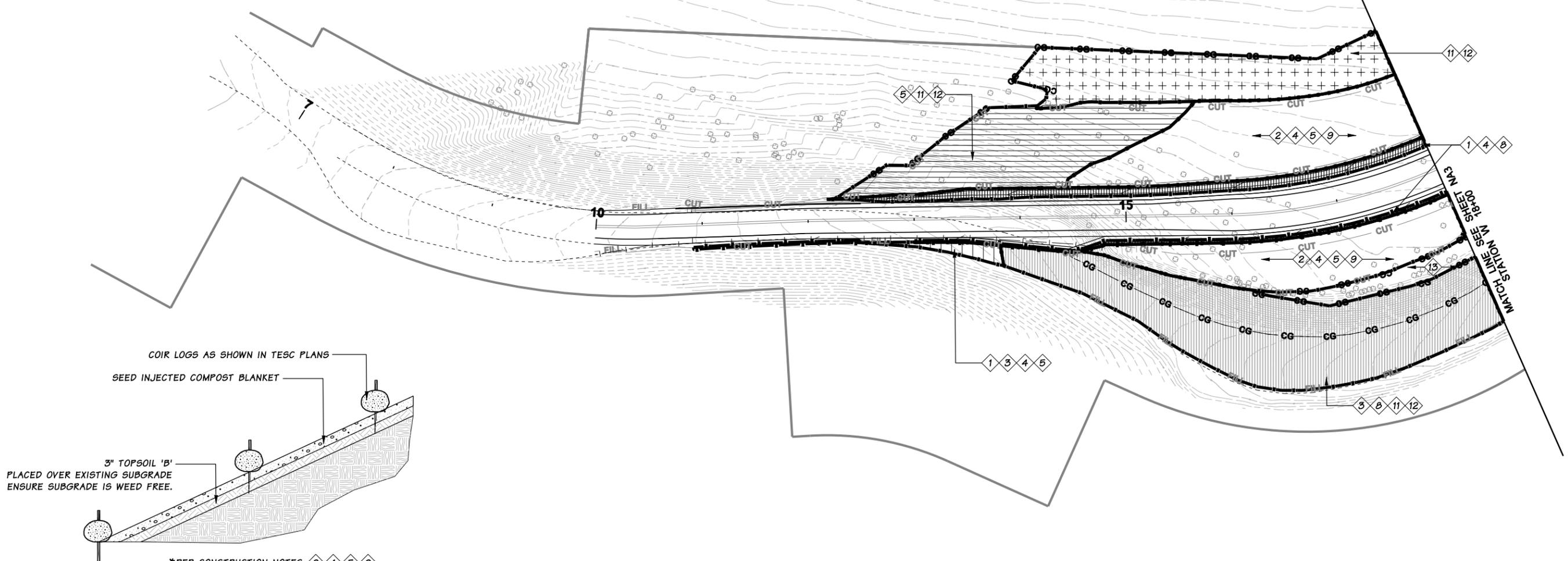
CONSTRUCTION NOTES

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

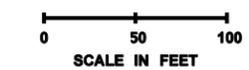
QUANTITIES THIS SHEET

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

ITEM	UNIT	QTY
SEEDING, FERTILIZE & MULCHING SEED MIX - ROADSIDE	ACRE	0.20
SEEDING, FERTILIZE & MULCHING SEED MIX - INJECTED	ACRE	0.80
TOPSOIL TYPE B	S.Y.	9600
COMPOST BLANKET	S.Y.	6800
SEED INJECTED COMPOST BLANKET	S.Y.	3740
BARK MULCH	S.Y.	6760



1 SEED INJECTED COMPOST APPLICATION
NOT TO SCALE

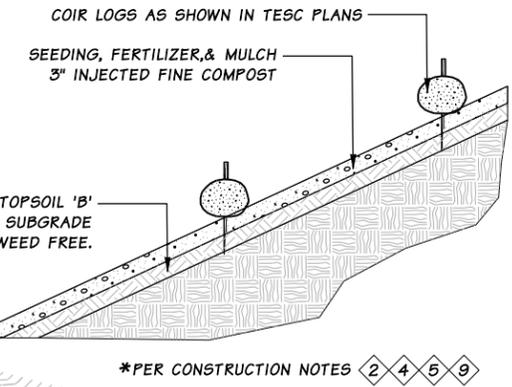


FILE NAME: G:\Roadside\01_projects\014\11 Columbia R. Gorge Nat. Scenia Area\Marble Rd to Belle Center Rd\02_PSEICAD\Roadside Restoration\L3172_PS_Soil.DGN		REGION NO. STATE		FED.AID PROJ.NO.				SR 14 MARBLE RD. VIC. SAFETY IMPROVEMENTS	Plot 2
TIME: 8:12:40 AM	DATE: 2/16/2012	10	WASH						PLAN REF NO: NA2
PLOTTED BY: phipper	DESIGNED BY: R. PHIPPS	ENTERED BY: R. PHIPPS	CHECKED BY: D. CORLETT	PROJ. ENGR.: C. TAMS	REGIONAL ADM.: D. WAGNER	JOB NUMBER: 11X308	CONTRACT NO.:	LOCATION NO. XL3172	SHEET OF SHEETS
REVISION	DATE	BY							
						P.E. STAMP BOX	DATE	P.E. STAMP BOX	DATE
								SOIL PREPARATION	

QUANTITIES THIS SHEET

ITEM	UNIT	QTY
SEEDING, FERTILIZE & MULCHING SEED MIX - ROADSIDE	ACRE	0.80
SEEDING, FERTILIZE & MULCHING SEED MIX - INJECTED	ACRE	0.70
TOPSOIL TYPE B	S.Y.	9700
COMPOST BLANKET (FINE COMPOST)	S.Y.	4760
FINE COMPOST (FOR INJECTED SEED)	S.Y.	3450
BARK MULCH	S.Y.	3820

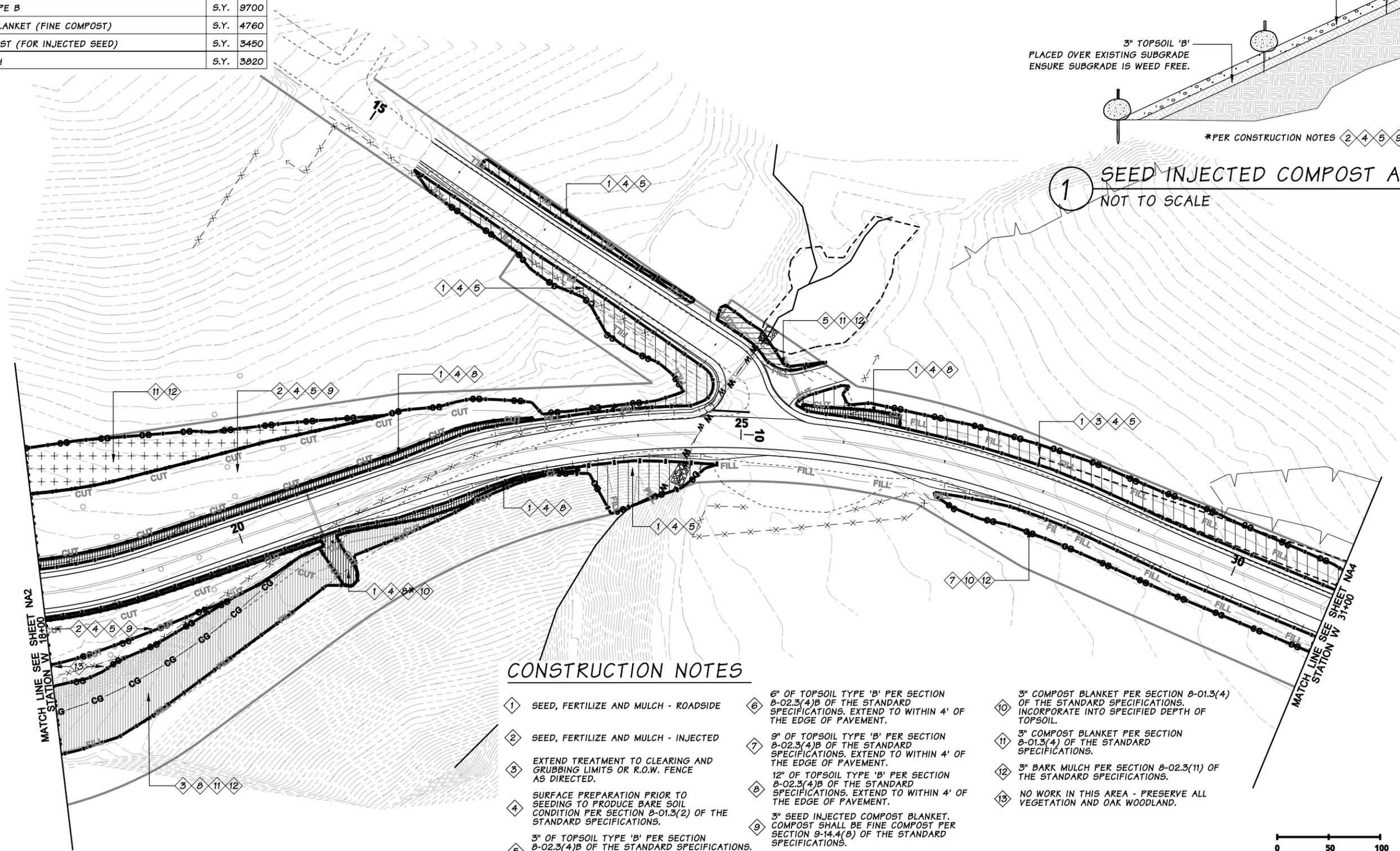
T.1N. R.5E. W.M.



3" TOPSOIL 'B'
PLACED OVER EXISTING SUBGRADE
ENSURE SUBGRADE IS WEED FREE.

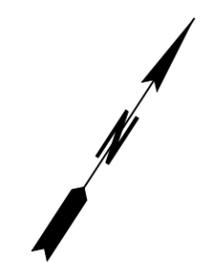
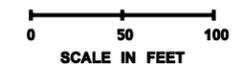
*PER CONSTRUCTION NOTES 2 4 5 9

1 SEED INJECTED COMPOST APPLICATION
NOT TO SCALE



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" SEED INJECTED COMPOST BLANKET. COMPOST SHALL BE FINE COMPOST PER SECTION 9-14.4(B) 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.



FILE NAME	G:\Roadside\01_projects\014\11 Columbia R. Gorge Nat. Scenia Area\Marble Rd to Belle Center Rd\02_PSEICAD\Roadside Restoration\L3172_PS_Soil.DGN		
TIME	8:12:44 AM		
DATE	2/16/2012		
PLOTTED BY	pkipper		
DESIGNED BY	R. PHIPPS		
ENTERED BY	R. PHIPPS		
CHECKED BY	D. CORLETT		
PROJ. ENGR.	C. TAMS		
REGIONAL ADM.	D. WAGNER		
REVISION	DATE	BY	

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

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

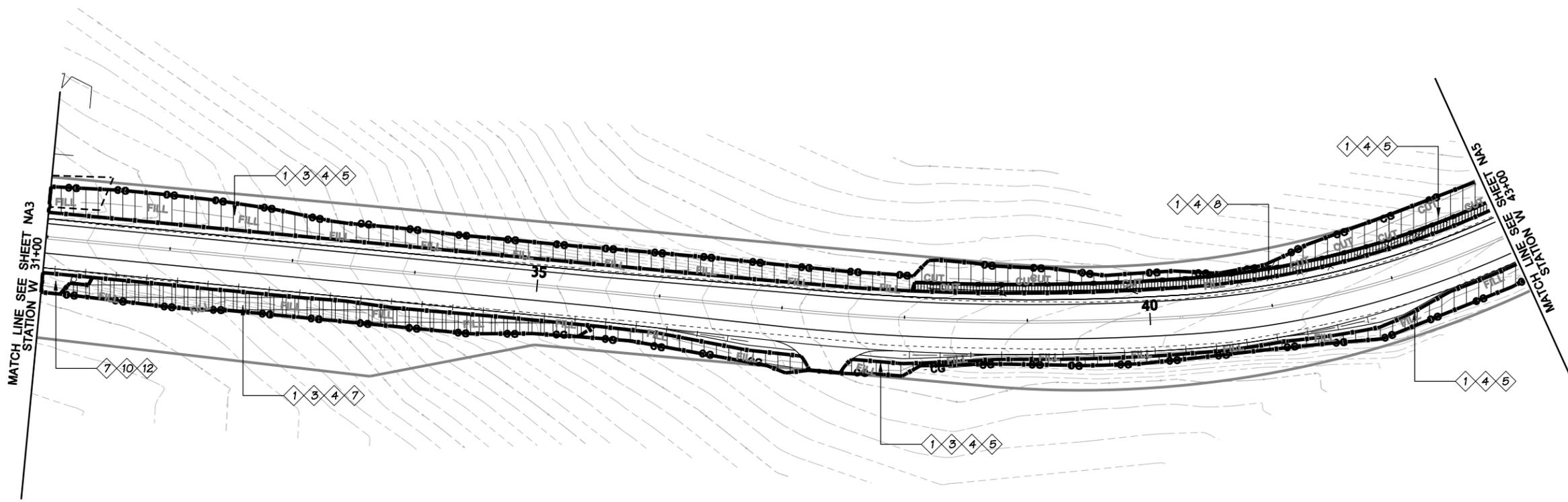
**Washington State
Department of Transportation**

<p>SR 14 MARBLE RD. VIC. SAFETY IMPROVEMENTS</p>		Plot 3 PLAN REF NO NA3
<p>SOIL PREPARATION</p>		SHEET OF SHEETS

CONSTRUCTION NOTES

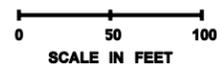
T.1N. R.5E. W.M.

- 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" SEED INJECTED COMPOST BLANKET. COMPOST SHALL BE FINE COMPOST PER SECTION 9-14.4(B) 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.



QUANTITIES THIS SHEET

ITEM	UNIT	QTY
SEEDING, FERTILIZE & MULCHING SEED MIX - ROADSIDE	ACRE	0.80
SEEDING, FERTILIZE & MULCHING SEED MIX - INJECTED	ACRE	0
TOPSOIL TYPE B	S.Y.	3700
COMPOST BLANKET	S.Y.	50
SEED INJECTED COMPOST BLANKET	S.Y.	0
BARK MULCH	S.Y.	50



FILE NAME	G:\Roadside\01_projects\014\11 Columbia R. Gorge Nat. Scenia Area\Marble Rd to Belle Center Rd\02_PSEICAD\Roadside Restoration\L3172_PS_Soil.DGN		
TIME	8:12:50 AM		
DATE	2/16/2012		
PLOTTED BY	pkipper		
DESIGNED BY	R. PHIPPS		
ENTERED BY	R. PHIPPS		
CHECKED BY	D. CORLETT		
PROJ. ENGR.	C. TAMS		
REGIONAL ADM.	D. WAGNER		
REVISION	DATE	BY	

REGION NO.	STATE
10	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



SR 14
MARBLE RD. VIC.
SAFETY IMPROVEMENTS

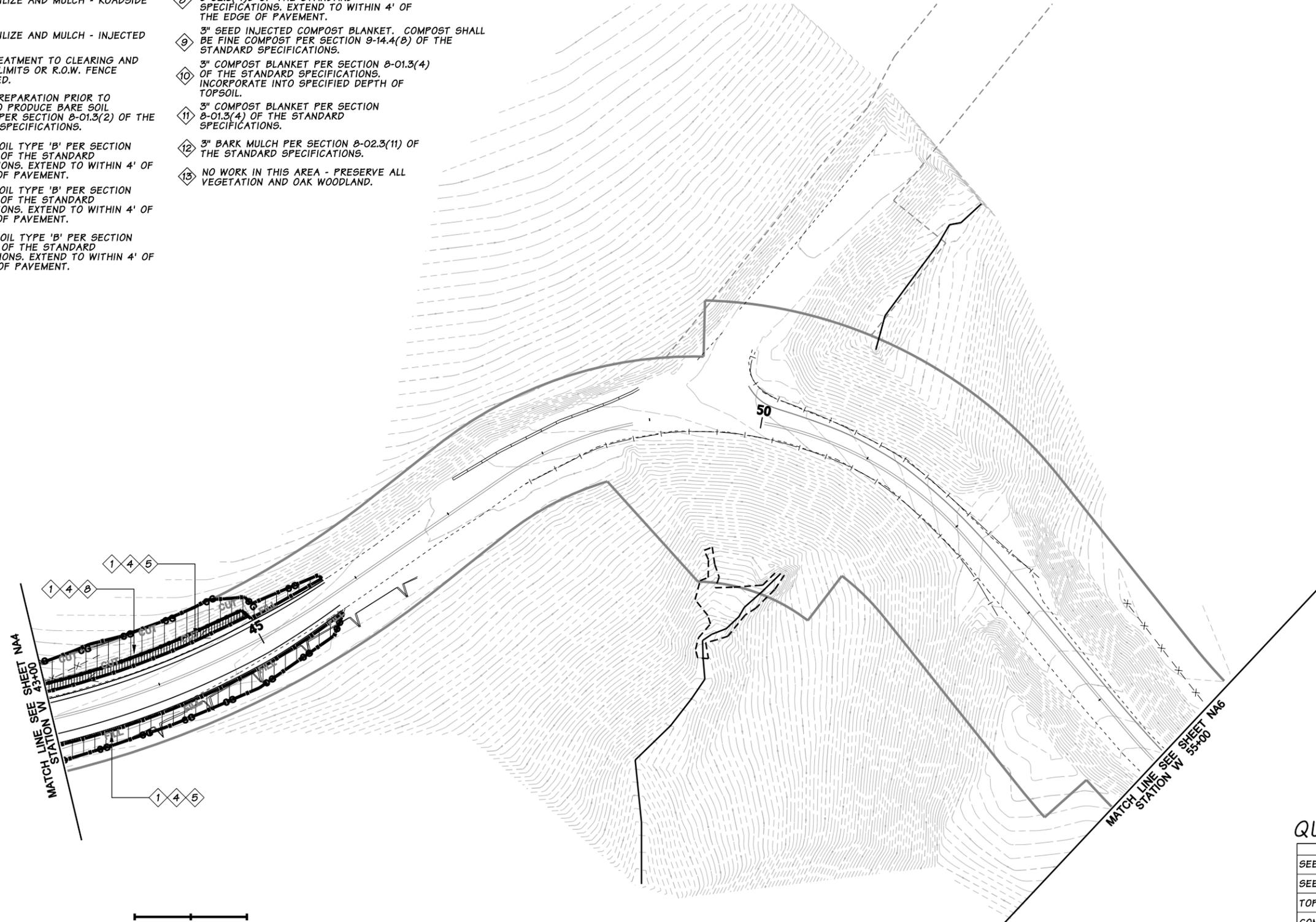
SOIL PREPARATION

Plot 4
PLAN REF NO
NA4
SHEET
OF
SHEETS

CONSTRUCTION NOTES

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

- 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" SEED INJECTED COMPOST BLANKET. COMPOST SHALL BE FINE COMPOST PER SECTION 9-14.4(B) 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.



QUANTITIES THIS SHEET

ITEM	UNIT	QTY
SEEDING, FERTILIZE & MULCHING SEED MIX - ROADSIDE	ACRE	0.30
SEEDING, FERTILIZE & MULCHING SEED MIX - INJECTED	ACRE	0
TOPSOIL TYPE B	S.Y.	1060
COMPOST BLANKET	S.Y.	0
SEED INJECTED COMPOST BLANKET	S.Y.	0
BARK MULCH	S.Y.	0

FILE NAME	G:\Roadside\01_projects\014\11 Columbia R. Gorge Nat. Scenia Area\Marble Rd to Belle Center Rd\02_PSEICAD\Roadside Restoration\L3172_PS_Soil.DGN		
TIME	8:12:54 AM		
DATE	2/16/2012		
PLOTTED BY	phippr		
DESIGNED BY	R. PHIPPS		
ENTERED BY	R. PHIPPS		
CHECKED BY	D. CORLETT		
PROJ. ENGR.	C. TAMS		
REGIONAL ADM.	D. WAGNER		
REVISION	DATE	BY	

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

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



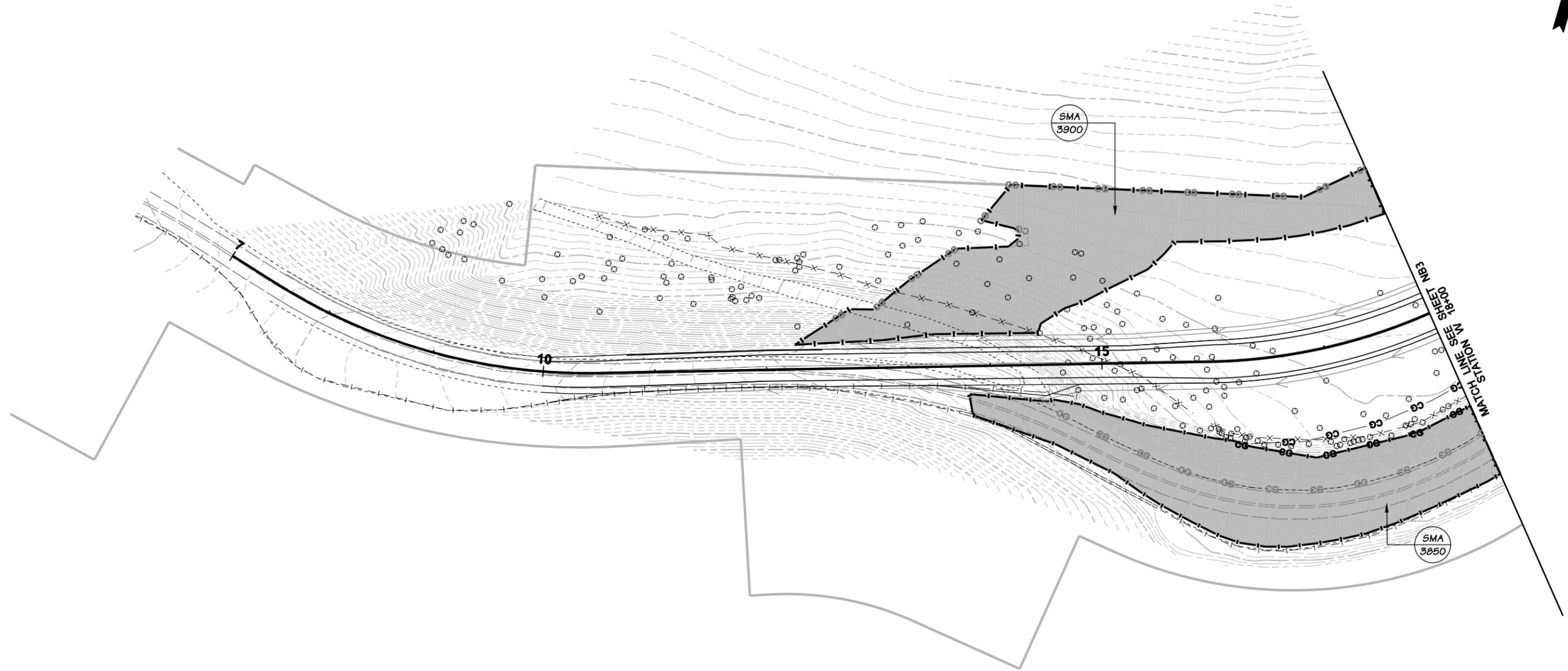
**SR 14
MARBLE RD. VIC.
SAFETY IMPROVEMENTS**

SOIL PREPARATION

Plot 5
PLAN REF NO
NA5
SHEET
OF
SHEETS

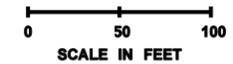
T.1N. R.5E. W.M.

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



LEGEND

- XXX ← PLANT MIX
- YYY ← QUANTITY THIS AREA
- PLANTING AREA



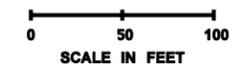
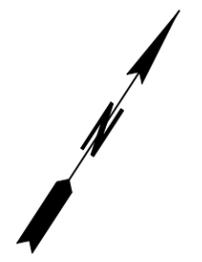
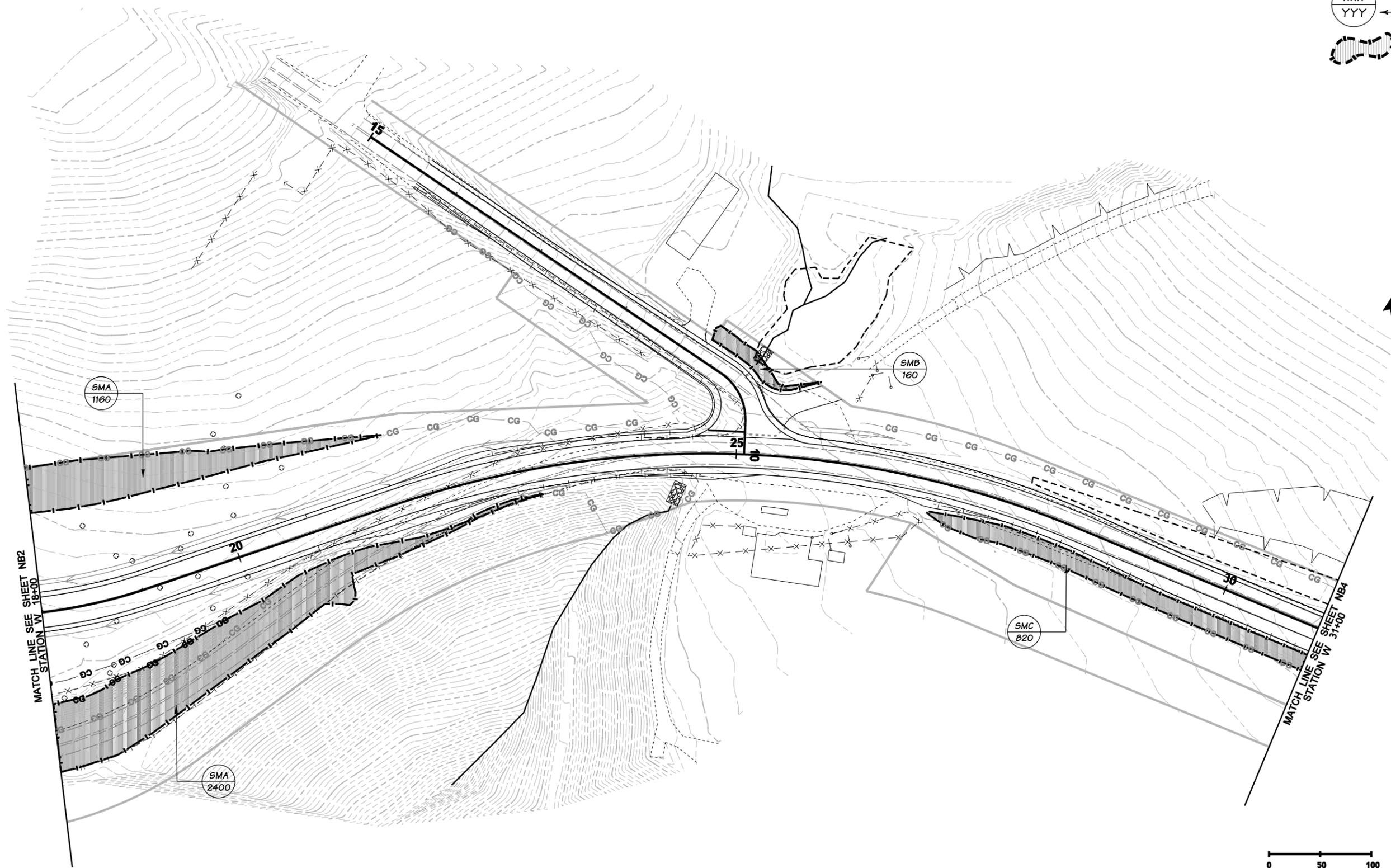
FILE NAME		G:\Roadside\01_projects\014\11 Columbia R. Gorge Nat. Scenia Area\Marble Rd to Belle Center Rd\02_PSEICAD\Roadside Restoration\L3172_PS_Roadside.DGN		REGION NO.		STATE		FED.AID PROJ.NO.				SR 14 MARBLE RD. VIC. SAFETY IMPROVEMENTS ROADSIDE RESTORATION		Plot 2	
TIME		8:10:38 AM		10		WASH								Washington State Department of Transportation	
DATE		2/16/2012		JOB NUMBER		11X308		LOCATION NO.		Washington State Department of Transportation		NB2			
PLOTTED BY		phlpper		CONTRACT NO.				XL3172				Washington State Department of Transportation		SHEET	
DESIGNED BY		D. CORLETT / R. PHIPPS		DATE						Washington State Department of Transportation				OF	
ENTERED BY		R. PHIPPS		P.E. STAMP BOX								Washington State Department of Transportation		SHEETS	
CHECKED BY		D. CORLETT		REVISION						Washington State Department of Transportation					
PROJ. ENGR.		C. TAMS		DATE								Washington State Department of Transportation			
REGIONAL ADM.		D. WAGNER		BY						Washington State Department of Transportation					

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

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

LEGEND

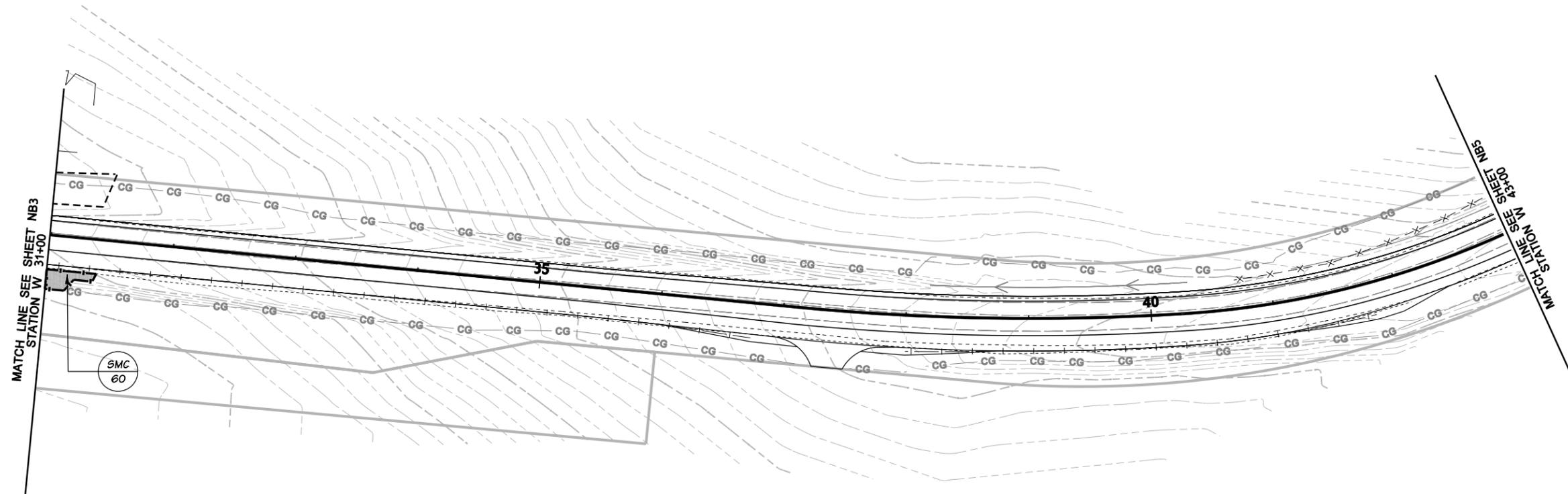
- XXX ← PLANT MIX
- YYY ← QUANTITY THIS AREA
-  PLANTING AREA



FILE NAME G:\Roadside\01_projects\014\11 Columbia R. Gorge Nat. Scenia Area\Marble Rd to Belle Center Rd\02_PSEICAD\Roadside Restoration\L3172_PS_Roadside.DGN				REGION NO. 10 STATE WASH		FED.AID PROJ.NO.				SR 14 MARBLE RD. VIC. SAFETY IMPROVEMENTS	Plot 3
TIME 8:10:41 AM DATE 2/16/2012 PLOTTED BY phlpper				JOB NUMBER 11X308 CONTRACT NO.		LOCATION NO. XL3172					PLAN REF NO NB3
DESIGNED BY D. CORLETT / R. PHIPPS ENTERED BY R. PHIPPS CHECKED BY D. CORLETT PROJ. ENGR. C. TAMS REGIONAL ADM. D. WAGNER				REVISION		DATE		BY		ROADSIDE RESTORATION	

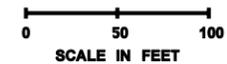
T.1N. R.5E. W.M.

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



LEGEND

- (XXX) ← PLANT MIX
- (YYY) ← QUANTITY THIS AREA
- PLANTING AREA



FILE NAME	G:\Roadside\01_projects\014\11 Columbia R. Gorge Nat. Scenia Area\Marble Rd to Belle Center Rd\02_PSEICAD\Roadside Restoration\L3172_PS_Roadside.DGN		
TIME	8:10:46 AM		
DATE	2/16/2012		
PLOTTED BY	phlpper		
DESIGNED BY	D. CORLETT / R. PHIPPS		
ENTERED BY	R. PHIPPS		
CHECKED BY	D. CORLETT		
PROJ. ENGR.	C. TAMS		
REGIONAL ADM.	D. WAGNER		
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: _____
P.E. STAMP BOX

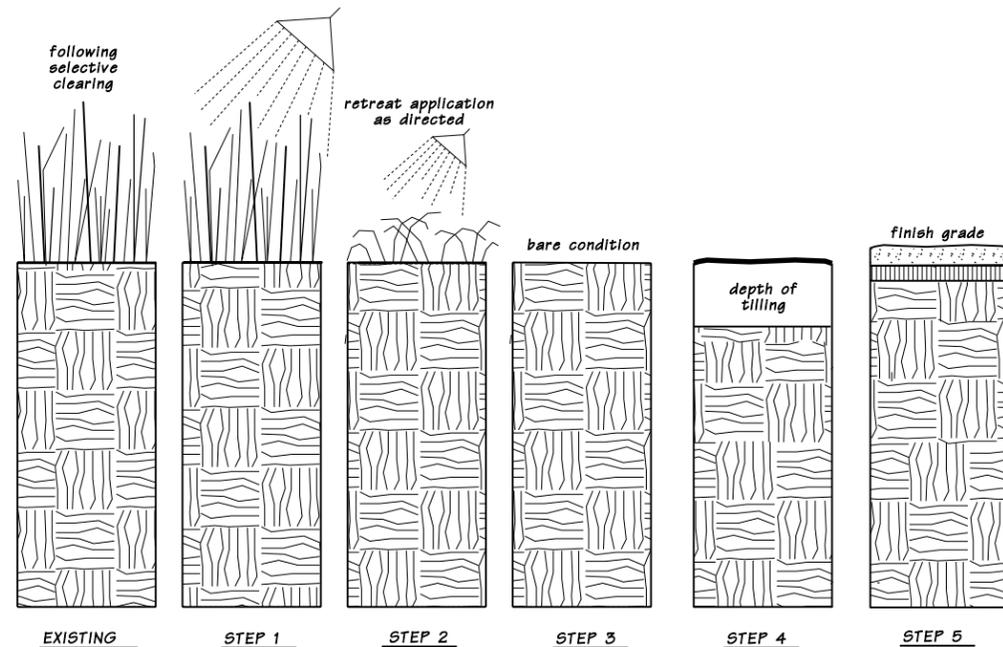


SR 14
MARBLE RD. VIC.
SAFETY IMPROVEMENTS
ROADSIDE RESTORATION

Plot 4
PLAN REF NO
NB4
SHEET
OF
SHEETS

SUMMARY OF QUANTITIES - SOIL PREPARATION AND SEEDING

ITEM	UNIT	QTY WM2	QTY WM5	QTY WM6	QTY WM7	TOTAL QUANTITY
SEED, FERTILIZING, AND MULCHING, - SITE WETLAND	ACRE	0	2.40	0	0	2.40
SEED, FERTILIZING, AND MULCHING, - SITE SAVANNAH	ACRE	0	0	0	5.70	5.70
TOPSOIL TYPE B	SY	0	2420	0	0	2420
COMPOST BLANKET	SY	0	48,100	0	0	48,100
BARK MULCH	SY	0	33,100	0	32,250	65,350
SOIL PREPARATION AREA	ACRE	0	8.70	0	12.10	20.80
CLAERING & GRUBBING - SITE SELECTIVE CLEARING	ACRE	0	2.40	0	12.10	14.50
SOIL AMENDMENT - NATURALLY OCCURRING CLAY	CY	0	320	0	0	320
CLEARING & GRUBBING	ACRE	1.70	0	0	0	1.70



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 MINIMUM 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

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.

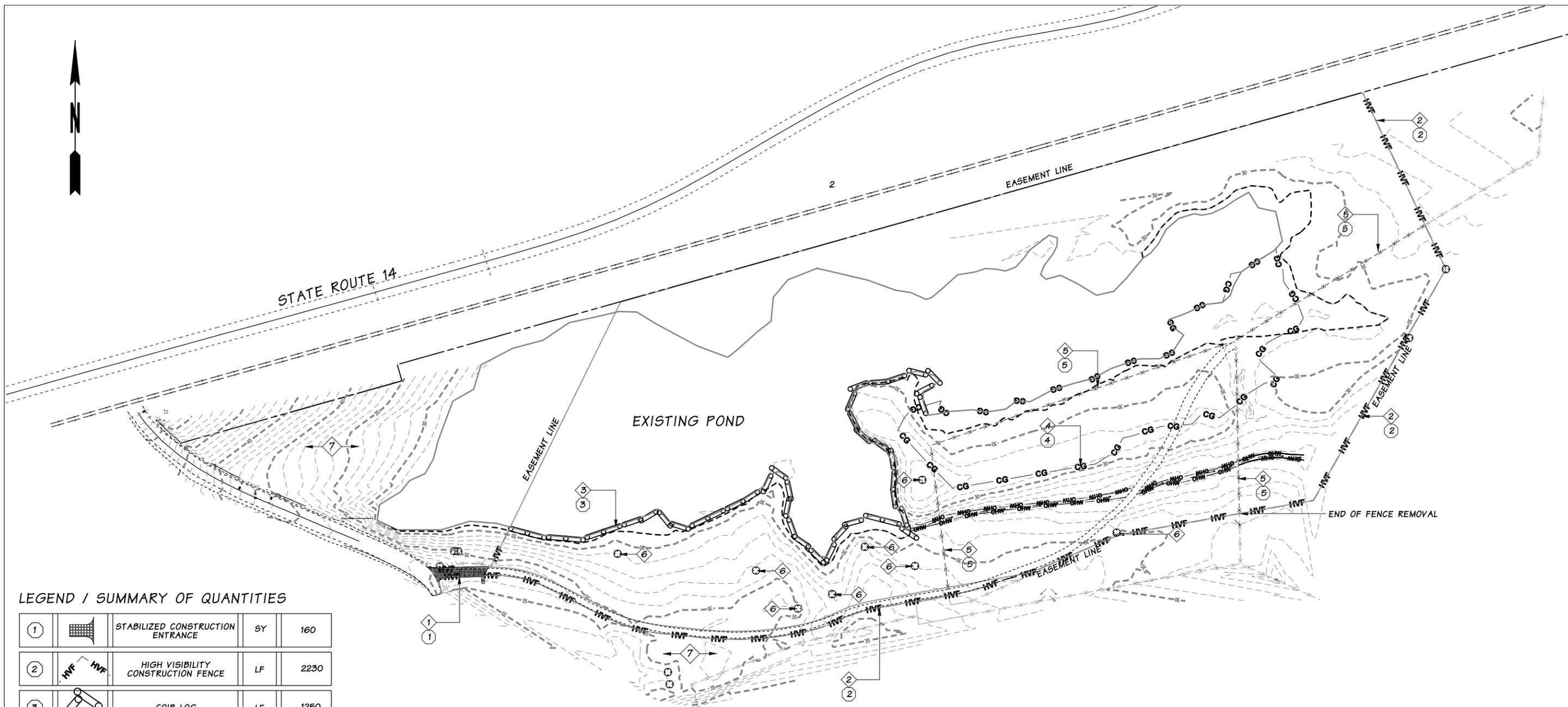
1 SOIL PREPARATION - SEQUENCE OF WORK

NOT TO SCALE

FILE NAME		G:\Roadside\01_projects\014\11 Columbia R. Gorge Nat. Scenia Area\Marble Rd to Belle Center Rd\02_PSEICAD\Roadside Restoration\L3172_PS_WetMit.DGN		REGION NO.		STATE		FED.AID PROJ.NO.		DATE		PLOT 1	
TIME		3:25:26 PM		10		WASH						PLAN REF NO	
DATE		2/16/2012		JOB NUMBER		11X308		LOCATION NO.		XL3172		WM1	
PLOTTED BY		phipper		CONTRACT NO.				DATE				SHEET	
DESIGNED BY		R. PHIPPS		DATE				P.E. STAMP BOX				OF	
ENTERED BY		R. PHIPPS		DATE				P.E. STAMP BOX				SHEETS	
CHECKED BY		D. CORLETT		DATE				P.E. STAMP BOX				WETLAND MITIGATION QTY SUMMARY	
PROJ. ENGR.		C. TAMS		DATE				P.E. STAMP BOX				WETLAND MITIGATION QTY SUMMARY	
REGIONAL ADM.		D. WAGNER		DATE				P.E. STAMP BOX				WETLAND MITIGATION QTY SUMMARY	

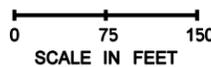


SR 14
MARBLE RD. VIC.
SAFETY IMPROVEMENTS



LEGEND / SUMMARY OF QUANTITIES

1		STABILIZED CONSTRUCTION ENTRANCE	SY	160
2		HIGH VISIBILITY CONSTRUCTION FENCE	LF	2230
3		COIR LOG	LF	1250
4		LIMITS OF CLEARING & GRUBBING	AC	1.70
5		REMOVE WIRE FENCE	LF	1280
--		EXISTING CONTOURS	--	--
--		PROPOSED CONTOURS	--	--



CONSTRUCTION NOTES

- 1 STABILIZED CONSTRUCTION ENTRANCE PER STANDARD SPECIFICATIONS SECTION 8-01.3(7).
- 2 HIGH VISIBILITY CONSTRUCTION FENCE PER STANDARD SPECIFICATIONS SECTION 9-14.5.
- 3 COIR LOG PER STANDARD SPECIFICATIONS SECTION 8-01.3(6)E.
- 4 CLEARING & 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. Scenia Area\Marble Rd to Belle Center Rd\02_PSEICAD\Roadside Restoration\L3172_PS_WetMit.DGN	
TIME	3:25:28 PM	REGION NO.	STATE
DATE	2/16/2012	10	WASH
PLOTTED BY	phlpper	JOB NUMBER	11X308
DESIGNED BY	R. PHIPPS	CONTRACT NO.	
ENTERED BY	R. PHIPPS	LOCATION NO.	XL3172
CHECKED BY	D. CORLETT		
PROJ. ENGR.	C. TAMS		
REGIONAL ADM.	D. WAGNER	REVISION	DATE BY

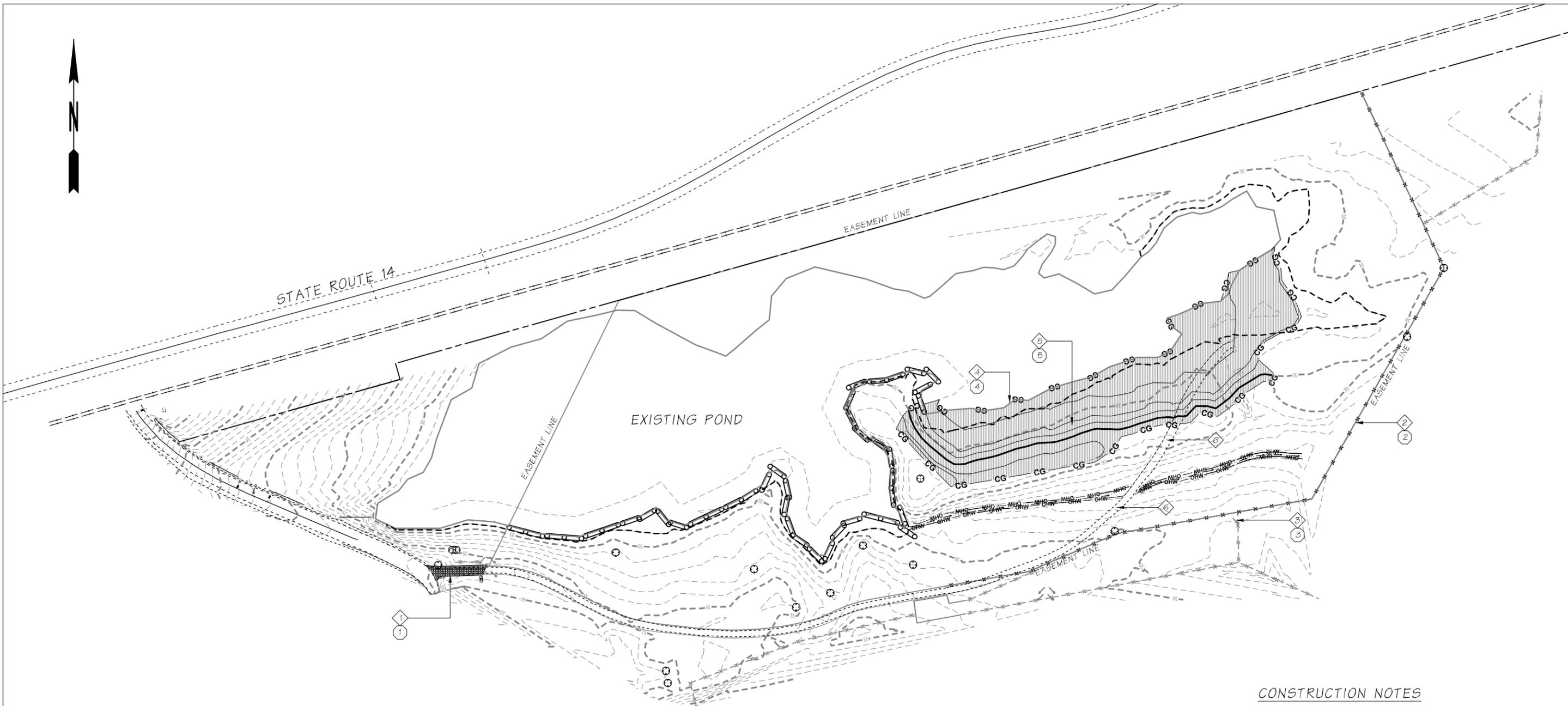


P.E. STAMP BOX



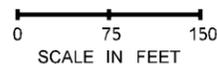
P.E. STAMP BOX

SR 14 MARBLE RD. VIC. SAFETY IMPROVEMENTS		Plot 2
BEACON RK - SITE PREP & TESC PLAN		PLAN REF NO WM2
		SHEET OF SHEETS



LEGEND / SUMMARY OF QUANTITIES

1		CRUSHED SURFACE BASE COURSE (GRADE OVER QUARRY SPALLS)	CY	20
2		TYPE 2 WIRE FENCE	LF	1260
3		SINGLE WIRE GATE, 14'	EA	1
4		EXISTING CONTOURS	--	--
5		WETLAND EXCAVATION INCLUDING HAUL (PROPOSED CONTOURS)	CY	8000 (CUT)



CONSTRUCTION NOTES

- 1 GRADE 3-INCH DEPTH OF CRUSHED SURFACING BASE COURSE OVER STABILIZED CONSTRUCTION ENTRANCE FOLLOWING MAJOR SITE WORK TO REDUCE A DRIVEABLE PARKING SURFACE.
- 2 WIRE FENCE, TYPE 2 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 FT WIDE. SET GATE TO SWING BOTH DIRECTIONS. TYPE TO MATCH EXISTING REMOVED AND AS APPROVED BY ENGINEER.
- 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
- 6 PRIOR TO SOIL PREPARATION ACTIVITIES, TILL EXISTING COMPACTED SOILS (ACCESS ROAD) WITHIN EASEMENT AREA TO A DEPTH OF 6 INCHES.

FILE NAME	G:\Roadside\01_projects\014111 Columbia R. Gorge Nat. Scenia Area\Marble Rd to Belle Center Rd\02_PSEICAD\Roadside Restoration\L3172_PS_WetMit.DGN		
TIME	1:22:15 PM		
DATE	3/15/2012		
PLOTTED BY	phippsr		
DESIGNED BY	R. PHIPPS		
ENTERED BY	R. PHIPPS		
CHECKED BY	D. CORLETT		
PROJ. ENGR.	C. TAMS		
REGIONAL ADM.	D. WAGNER		
REVISION	DATE	BY	
REGION NO.	STATE	FED.AID PROJ.NO.	
10	WASH		
JOB NUMBER	11X308		
CONTRACT NO.			
LOCATION NO.	XL3172		



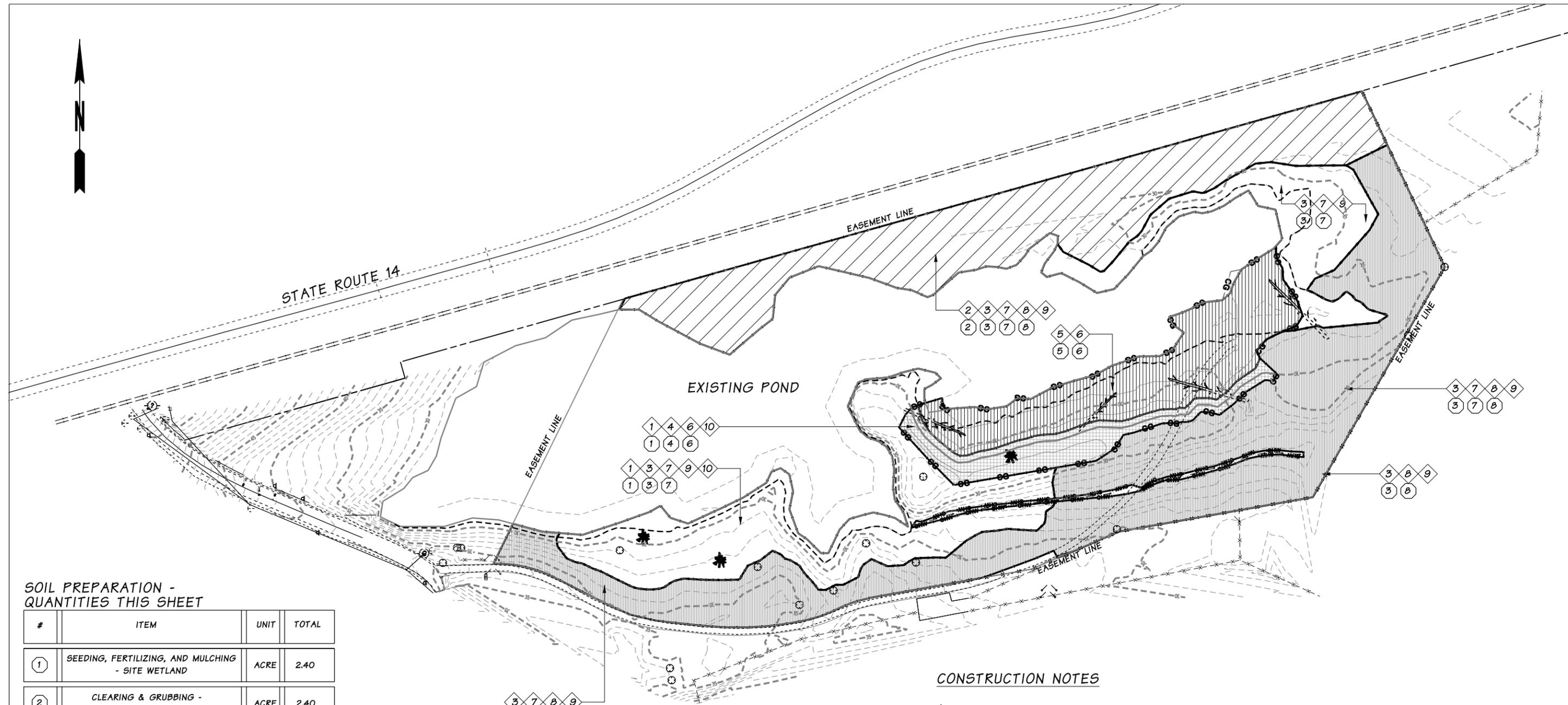
P.E. STAMP BOX



P.E. STAMP BOX

SR 14
MARBLE RD. VIC.
SAFETY IMPROVEMENTS
BEACON RK - GRADING PLAN

Plot 3
PLAN REF NO
WM3
SHEET
OF
SHEETS



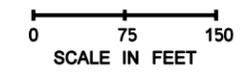
SOIL PREPARATION - QUANTITIES THIS SHEET

#	ITEM	UNIT	TOTAL
①	SEEDING, FERTILIZING, AND MULCHING - SITE WETLAND	ACRE	2.40
②	CLEARING & GRUBBING - SITE SELECTIVE CLEARING	ACRE	2.40
③	SOIL PREPARATION AREA	ACRE	8.70
④	TOPSOIL TYPE B	S.Y.	2420
⑤	SOIL AMENDMENT-NATURALLY OCCURRING CLAY	C.Y.	320
⑥ ⑦	COMPOST BLANKET	S.Y.	48,100
⑧	BARK OR WOOD CHIP MULCH	S.Y.	33,100

LEGEND

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

*** SEE DETAILS SHEET WM8



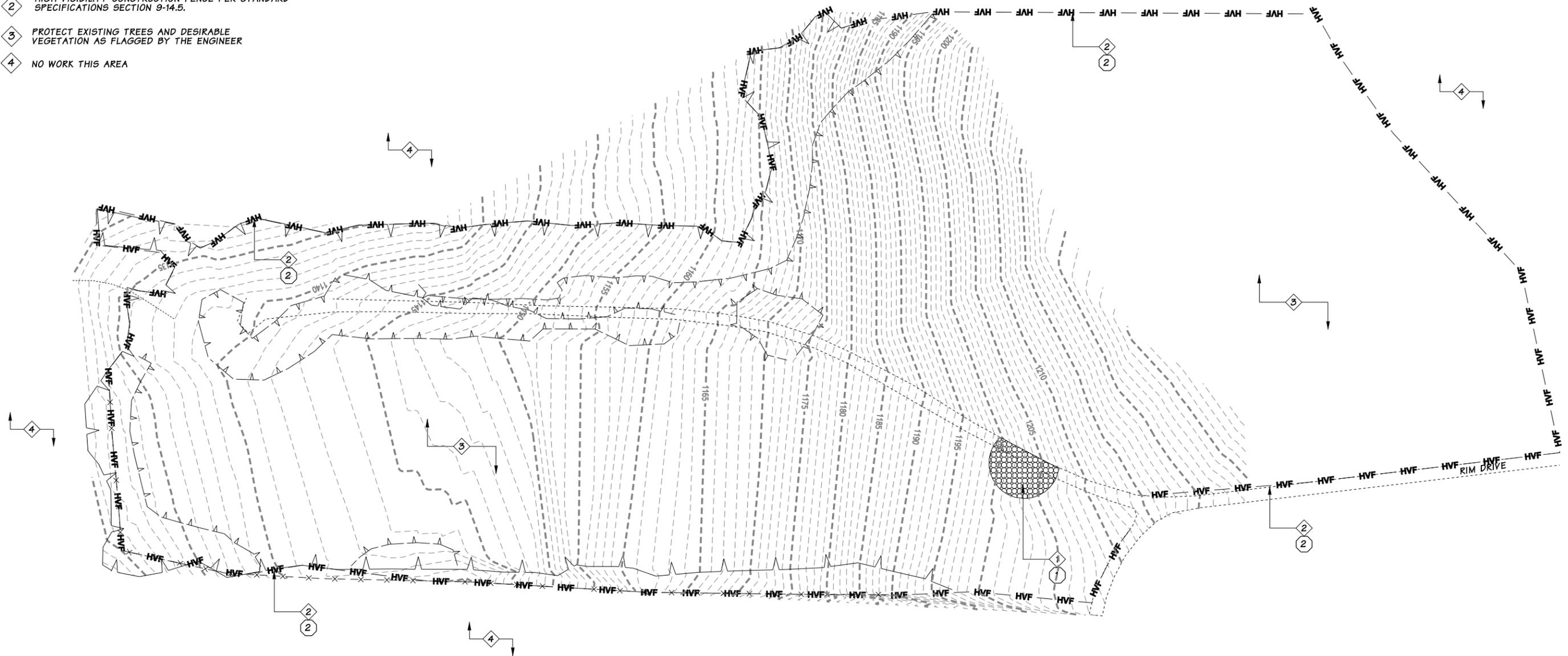
CONSTRUCTION NOTES

- 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 SOIL AMENDMENT-NATURALLY OCCURRING 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 12 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)A OF THE STANDARD SPECIFICATIONS.

FILE NAME G:\Roadside\01_projects\014\11 Columbia R. Gorge Nat. Scenia Area\Marble Rd to Belle Center Rd\02_PSEICAD\Roadside Restoration\L3172_PS_WetMit.DGN				REGION NO. 10 STATE WASH		FED.AID PROJ.NO.						SR 14 MARBLE RD. VIC. SAFETY IMPROVEMENTS		Plot 5	
TIME 3:25:34 PM		DATE 2/16/2012		DESIGNED BY D. CORLETT/R. PHIPPS		ENTERED BY R. PHIPPS								JOB NUMBER 11X308	
PLOTTED BY phipper		CHECKED BY D. CORLETT		PROJ. ENGR. C. TAMS		REGIONAL ADM. D. WAGNER		REVISION		DATE		BY		SHEET	
BEACON RK-SOIL PREP & HABITAT PLN														OF SHEETS	

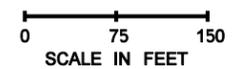
CONSTRUCTION NOTES

- ① STABILIZED CONSTRUCTION ENTRANCE PER STANDARD SPECIFICATIONS SECTION 8-01.3(7).
- ② HIGH VISIBILITY CONSTRUCTION FENCE PER STANDARD SPECIFICATIONS SECTION 9-14.5.
- 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		HIGH VISIBILITY CONSTRUCTION FENCE	LF	3760
③		EXISTING CONTOURS	--	--



FILE NAME	G:\Roadside\01_projects\014\11 Columbia R. Gorge Nat. Scenia Area\Marble Rd to Belle Center Rd\02_PSEICAD\Roadside Restoration\L3172_PS_WetMit.DGN			
TIME	3:25:37 PM			
DATE	2/16/2012			
PLOTTED BY	phipper			
DESIGNED BY	R. PHIPPS			
ENTERED BY	R. PHIPPS			
CHECKED BY	D. CORLETT			
PROJ. ENGR.	C. TAMS			
REGIONAL ADM.	D. WAGNER			
REVISION	DATE	BY	REGION NO.	STATE
			10	WASH
			JOB NUMBER	FED.AID PROJ.NO.
			11X308	
			CONTRACT NO.	LOCATION NO.
				XL3172



P.E. STAMP BOX

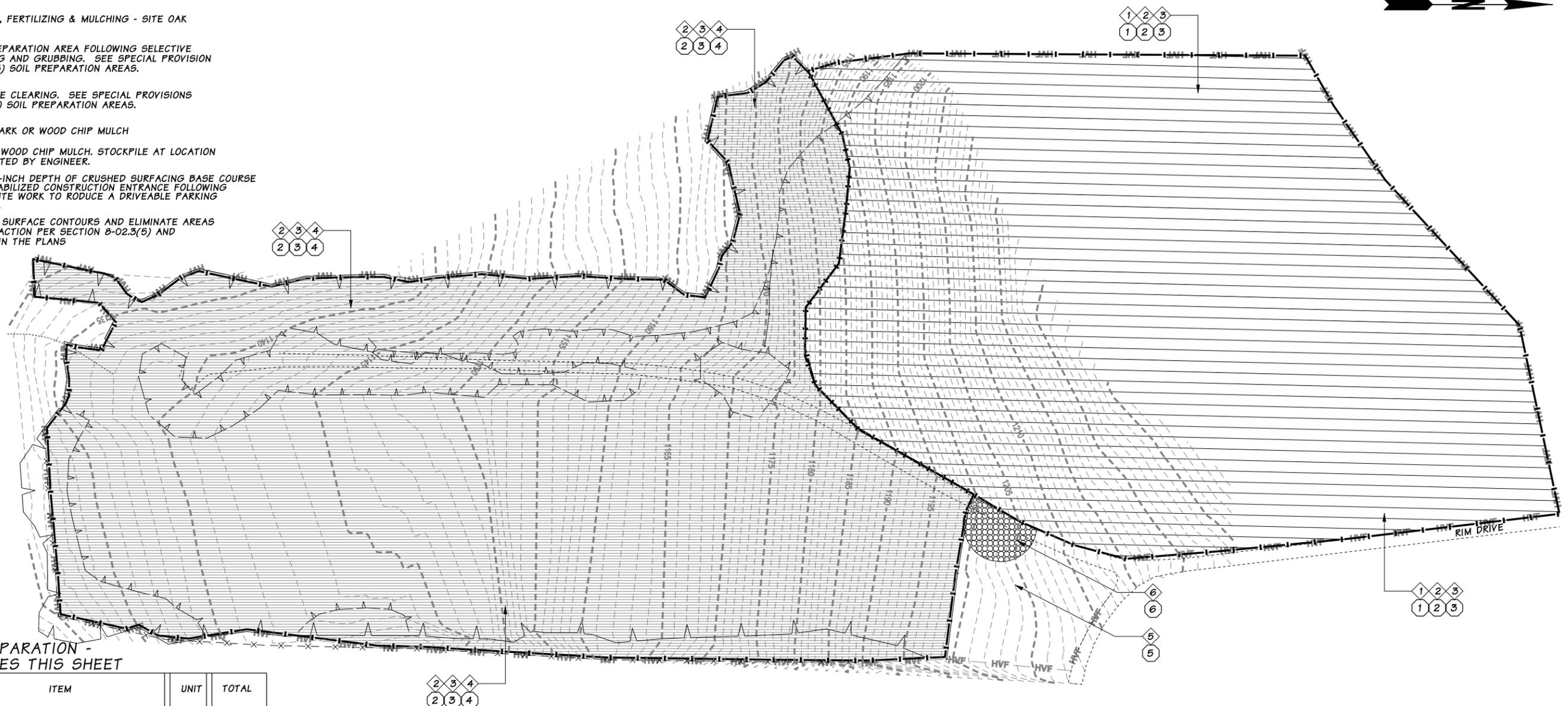


P.E. STAMP BOX

SR 14 MARBLE RD. VIC. SAFETY IMPROVEMENTS		Plot 6
CLEVELAND-SITE PREP & TESC PLAN		PLAN REF NO WM6
		SHEET OF SHEETS

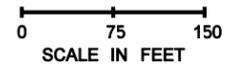
CONSTRUCTION NOTES

- 1 SEEDING, FERTILIZING & MULCHING - SITE OAK
- 2 SOIL PREPARATION AREA FOLLOWING SELECTIVE CLEARING AND GRUBBING. SEE SPECIAL PROVISION 8-02.3(5) SOIL PREPARATION AREAS.
- 3 SELECTIVE CLEARING. SEE SPECIAL PROVISIONS 8-02.3(5) SOIL PREPARATION AREAS.
- 4 3-INCH BARK OR WOOD CHIP MULCH
- 5 BARK OR WOOD CHIP MULCH. STOCKPILE AT LOCATION AS DIRECTED BY ENGINEER.
- 6 GRADE 3-INCH DEPTH OF CRUSHED SURFACING BASE COURSE OVER STABILIZED CONSTRUCTION ENTRANCE FOLLOWING MAJOR SITE WORK TO REDUCE A DRIVEABLE PARKING SURFACE.
- 7 RESTORE SURFACE CONTOURS AND ELIMINATE AREAS OF COMPACTION PER SECTION 8-02.3(5) AND DETAILS IN THE PLANS

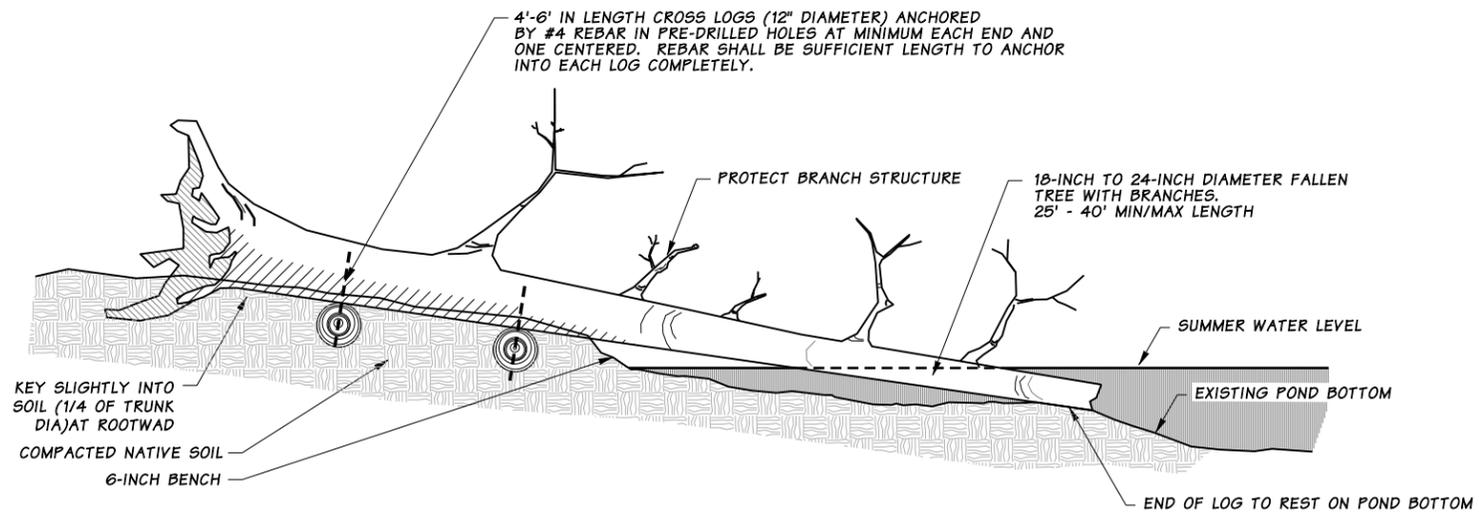


SOIL PREPARATION - QUANTITIES THIS SHEET

#	ITEM	UNIT	TOTAL
1	SEEDING, FERTILIZING, & MULCHING - SITE SAVANNAH	ACRE	5.70
2	CLAERING & GRUBBING - SITE SELECTIVE CLEARING	ACRE	12.10
3	SOIL PREPARATION AREA	ACRE	12.10
4	BARK OR WOOD CHIP MULCH	S.Y.	30,900
5	BARK OR WOOD CHIP MULCH: STOCKPILED AT LOCATION DIRECTED BY ENGINEER	C.Y.	2300
6	CRUSHED SURFACE BASE COURSE	TON	16

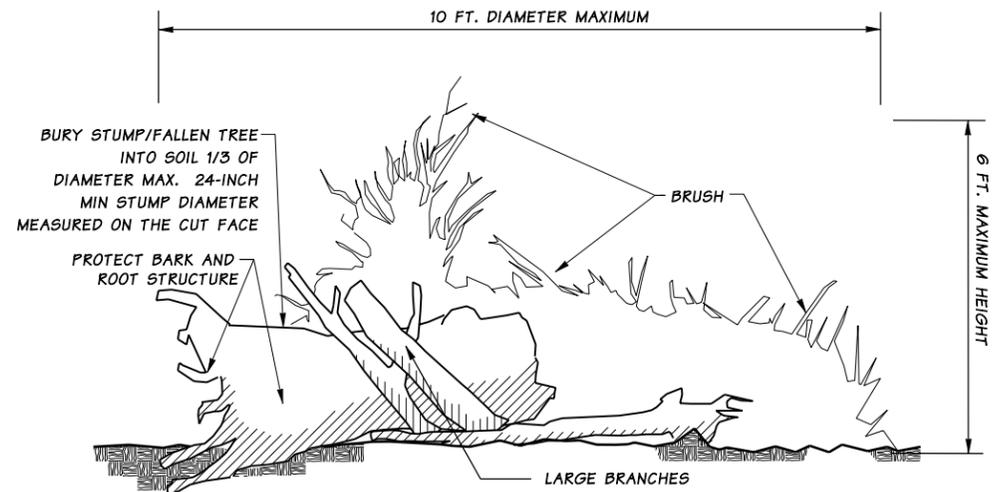


FILE NAME G:\Roadside\01_projects\014\11 Columbia R. Gorge Nat. Scenia Area\Marble Rd to Belle Center Rd\02_PSEICAD\Roadside Restoration\L3172_PS_WetMit.DGN				REGION NO. 10 STATE WASH		FED.AID PROJ.NO.				SR 14 MARBLE RD. VIC. SAFETY IMPROVEMENTS	Plot 7 PLAN REF NO WM7
TIME 3:25:39 PM				JOB NUMBER 11X308		LOCATION NO. XL3172					SHEET OF SHEETS
DATE 2/16/2012				CONTRACT NO.		DATE		CLEVELAND-SOIL PREPARATION PLAN			
PLOTTED BY phipper				REVISION		DATE					
DESIGNED BY R. PHIPPS											
ENTERED BY R. PHIPPS											
CHECKED BY D. CORLETT											
PROJ. ENGR. C. TAMS											
REGIONAL ADM. D. WAGNER											



*** OAK SALVAGED FROM PROJECT AREA AS SELECTED BY ENGINEER. RETAIN BRANCH STRUCTURE & ROOTWAD. DO NOT CUT.

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. Scenia Area\Marble Rd to Belle Center Rd\02_PSEICAD\Roadside Restoration\L3172_PS_WetMit.DGN			
TIME	3:25:41 PM			
DATE	2/16/2012			
PLOTTED BY	phlpper			
DESIGNED BY	R. PHIPPS			
ENTERED BY	R. PHIPPS			
CHECKED BY	D. CORLETT			
PROJ. ENGR.	C. TAMS			
REGIONAL ADM.	D. WAGNER			
REVISION		DATE	BY	

REGION NO.	STATE
10	WASH
JOB NUMBER	11X308
CONTRACT NO.	

FED.AID PROJ.NO.

LOCATION NO.
XL3172



P.E. STAMP BOX



P.E. STAMP BOX

SR 14
MARBLE RD. VIC.
SAFETY IMPROVEMENTS

WETLAND MIT. DETAILS

Plot 8
PLAN REF NO
WM8
SHEET
OF
SHEETS

OAK WOODLAND ESTABLISHMENT



CLEVELAND OAK RESTORATION TYPES AND PLANTING PLAN

OAK WOODLAND ESTABLISHMENT - 6.4 ACRES

Oregon White Oak canopy (5' container, placed where staked)

Planting density 225 trees per acre.

Woody understory of Snowberry, Cascade Oregon Grape, Indian Plum, Ocean Spray, and Serviceberry (3' spacing)

Understory planting density 4,000 stems per acre

OAK SAVANNAH ESTABLISHMENT - 5.70 ACRES

Native herbaceous understory of grasses and with oak stands and individual oak specimens at a density of approximately 200 trees per acre (5' container, placed where staked)

OAK SAVANNAH ESTABLISHMENT



FILE NAME	G:\Roadside\01_projects\014\11 Columbia R. Gorge Nat. Scenia Area\Marble Rd to Belle Center Rd\02_PSEICAD\Roadside Restoration\L3172_PS Wet\ML.DGN						SR 14 MARBLE RD. VIC. SAFETY IMPROVEMENTS	Plot 7
TIME	3:25:39 PM							FED.AID PROJ.NO.
DATE	2/16/2012				10 WASH		WM7	
PLOTTED BY	phlpper				JOB NUMBER			SHEET
DESIGNED BY	R. PHIPPS				11X308			OF
ENTERED BY	R. PHIPPS				CONTRACT NO.			SHEETS
CHECKED BY	D. CORLETT				LOCATION NO.			
PROJ. ENGR.	C. TAMS				XL3172			
REGIONAL ADM.	D. WAGNER						CLEVELAND-SOIL PREPARATION PLAN	
	REVISION	DATE	BY					

Appendix E — Homestead Lake Final Ledger

WSDOT SW Region: SR-14/Marble Rd. Vicinity Homestead Lake Mitigation Site (Skamania County, Western Columbia River Gorge watershed) - Accounting Ledger

Date	Mitigation Action	Project Name and Location	Project Permit #	Description of Impacts	Mitigation Ratio	Debit Amount (acres)	Total Acreage Available
1.02 acres wetland creation at the Homestead Lake Mitigation Site at Beacon Rock State Park							1.02 acres wetland creation
						Debit Amount (acres)	1.02 acres CREATION acreage remaining
30-Apr-12	Concurrent mitigation (creation) for highway construction project	SR-14 Marble Rd. Vic. to Belle Center Rd. Vic. Safety Improvements MP 22.60 - 22.70	NWS-2011-544-DOT	0.16 acres permanent impact to cat III wetland	3:1 creation per Skamania County NSA CAO	0.48	0.54