

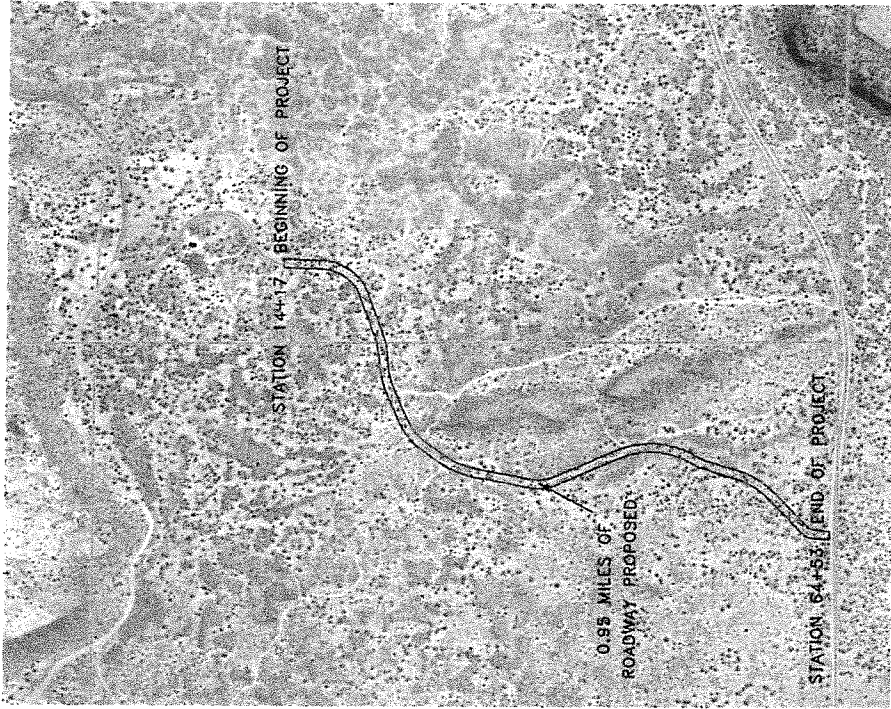
# ROADWAY CONSTRUCTION PLAN

## FOR CROOKED RIVER RANCH EMERGENCY ALTERNATIVE INGRESS/EGRESS ROUTE

SITUATED WITHIN PUBLIC OWNED LAND MANAGED BY THE U.S. BUREAU OF LAND MANAGEMENT IN SECTIONS 10 AND 11, TOWNSHIP 14 SOUTH, RANGE 12 EAST, W.M. DESCHUTES COUNTY, OREGON

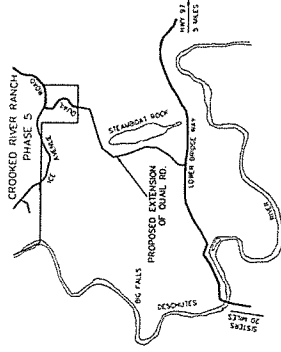
### LEGEND AND ABBREVIATIONS

- B ROAD SIGN POST
- CENTER LINE ROADWAY/CASEMENT
- CENTER LINE DITCH
- ||||| EDGE ROCK OUTCROP LINE
- STORM SEWER/CULVERT LINE
- MARGIN OF PROPOSED EXPOSURE EXTENT
- MARGIN OF EXISTING DEEP TRAIL
- AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
- ASTM
- AMERICAN SOCIETY FOR TESTING AND MATERIALS
- UNITED STATES DEPARTMENT OF INTERIOR, BUREAU OF LAND MANAGEMENT
- CENTER LINE
- CORRUGATED METAL PIPE
- CROOKED RIVER RANCH CLUB AND MAINTENANCE ASSOCIATION
- CROOKED RIVER RANCH SPECIAL ROAD DISTRICT
- DESCHUTES COUNTY ROAD DEPARTMENT
- DRAWING
- ELEVATION
- EDGE OF PAVEMENT
- FRESHED GRADE
- FLOW LINE
- HOT MIX ASPHALT CONCRETE PAVEMENT
- INVERT ELEVATION
- K RATIO OF CURVE LENGTH TO CHANGE IN VERTICAL GRADE
- MATED
- MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES
- OREGON DEPARTMENT OF TRANSPORTATION
- PC POINT OF CURVATURE (BEGINNING OF STATIONED CURVE)
- PRC POINT OF REVERSE CURVATURE
- PT POINT OF TANGENCY (END OF STATIONED CURVE)
- PVC POINT OF VERTICAL CURVATURE (BEGINNING OF STATIONED CURVE)
- PVI POINT OF VERTICAL INTERSECTION OF TANGENTS
- PVR POINT OF VERTICAL REVERSE CURVE
- PVT POINT OF VERTICAL TANGENCY (END OF STATIONED CURVE)
- R RADIUS OF HORIZONTAL CURVE
- S/G SUB GRADE
- STA. STATION
- 0 CHANGE IN HORIZONTAL DIRECTION BETWEEN TANGENTS
- USDOT/THA U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION
- VC VERTICAL CURVE



### VICINITY MAP

400 TO 500 AC



BEARINGS BASED ON GPS SURVEY

### CONTACT INFORMATION

U.S. DEPARTMENT OF THE INTERIOR  
CAROL BERNARD, DISTRICT MANAGER  
1000 NE OREGON STREET  
PRINEVILLE, OR 97754  
(541) 416-6700

DESCHUTES COUNTY ROAD DEPARTMENT  
1100 SW CLIPSHOUSE RD  
6100 SW 22 RD, 2D  
BEND, OR 97702

U.S. DEPARTMENT OF AGRICULTURE FOREST SERVICE  
274 SW 4TH ST  
740000, OR 97741

CROOKED RIVER RANCH CLUB & MAINTENANCE ASSOCIATION  
5100 SW CLIPSHOUSE RD  
TERREBONNE, OR 97760  
CROOKED RIVER RANCH SPECIAL ROAD DISTRICT  
GEORGE GREGORY, ROAD SUPERVISOR (541) 728-0774

CROOKED RIVER RANCH SPECIAL ROAD DISTRICT  
JOHN WILLIAMS, SECRETARY  
TERREBONNE, OR 97760  
(541) 922-5031

CROOKED RIVER RANCH RURAL FIRE PROTECTION DISTRICT  
TERREBONNE, OR 97760  
(541) 922-6776

CROOKED RIVER RANCH WATER COMPANY  
13815 SW COMMERCIAL LOOP  
TERREBONNE, OR 97760  
(541) 922-1041



### INDEX OF SHEETS

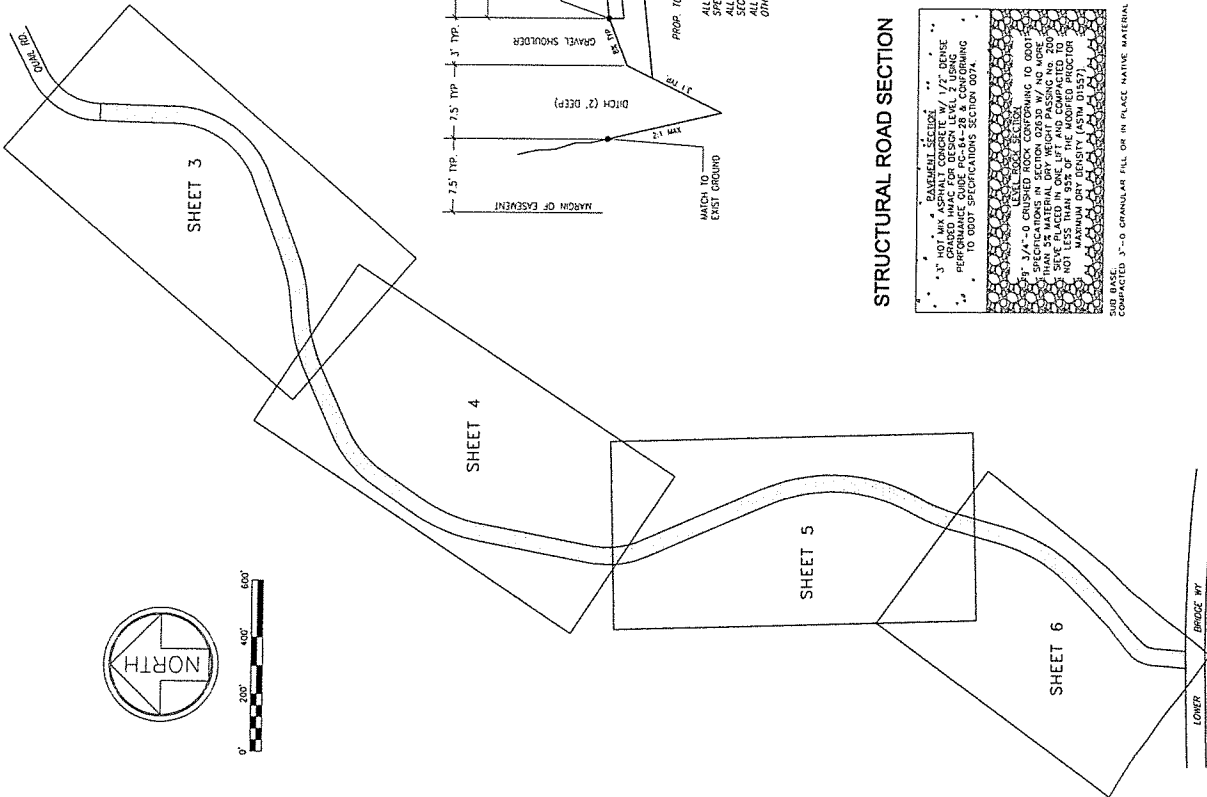
1. COVER SHEET
2. PLAN INDEX
3. PLAN/PROFILE 1
4. PLAN/PROFILE 2
5. PLAN/PROFILE 3
6. PLAN/PROFILE 4

COVER SHEET	
DRAWN	CHR CLUB & MANT ASSOC
DATE	1/2/2014
APPROVED	1100 SW CLIPSHOUSE RD TERREBONNE, OR 97760
SCALE	SHEET PROJECT NO.
AS SHOWN	1 of 5 13048

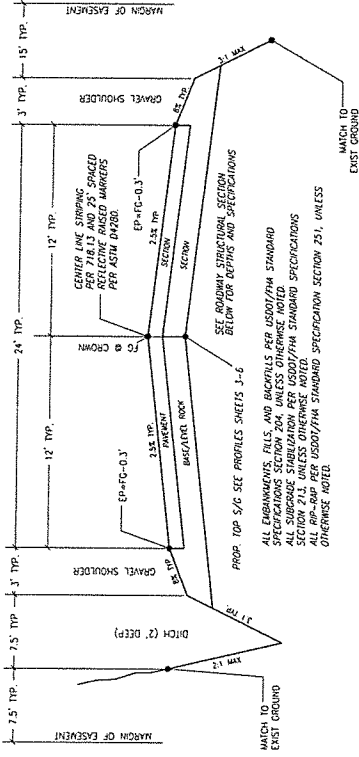
ALL POINTS ENGINEERING & SURVEYING  
1000 NE OREGON STREET  
PRINEVILLE, OR 97754  
www.allpoints.com

### GENERAL NOTES

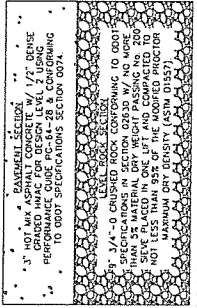
1. ALL STANDARD CONSTRUCTION SPECIFICATIONS SHALL ADHERE TO USDOT/FHA STANDARD SPECIFICATIONS FOR CONSTRUCTION OF ROADS AND BRIDGES, LATEST EDITIONS, WITH PROPOSED PP-03 OR DESCHUTES COUNTY TITLE 17, WHICHEVER IS MORE STRINGENT, UNLESS OTHERWISE NOTED HEREON.
2. CONTRACTOR SHALL CONTACT UTILITY NOTIFICATION CENTER AT LEAST 14 DAYS PRIOR TO BEGINNING CONSTRUCTION.
3. NOTICE SHALL BE RECEIVED BY THE ENGINEER WITHIN 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
4. BARRICADING ENTRANCES TO ROAD DURING CONSTRUCTION BY ROAD AND LOWER BRIDGE WAY WEST OF STEAMBOAT ROCK. BARRICADING ENTRANCES TO ROAD DURING CONSTRUCTION BY ROAD AND LOWER BRIDGE WAY WEST OF STEAMBOAT ROCK.
5. CONSTRUCTION WORK TO BE PERFORMED DURING DRY SEASON OR BETWEEN OCTOBER 1<sup>ST</sup> AND OCTOBER 31<sup>ST</sup>, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
6. ALL OBSTRUCTIONS, DEBRIS, VEGETATION, TREES, STUMPS, AND ROOTS SHALL BE REMOVED FROM THE PROJECT AREA PRIOR TO THE START OF BEFORE ROADWAY EXCAVATION BEGINS PER SECTION 204, 201, AND 203, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
7. WHEN ROCK IN CUTS SHALL BE PREPARED PER SECTION 204 AND STRUCTURAL BASE AND PAVEMENT SECTION SHALL BE CONSTRUCTED PER ODOT REQUIREMENTS AND SHOWN ON THIS PAGE.
8. ALL STRUCTURAL BASE AND PAVEMENT SHALL BE CORRUGATED METAL PIPE "CMP", PER ASTM A760 AND PLACED PER ASTM A1328.



### TYPICAL DESIGN SECTION



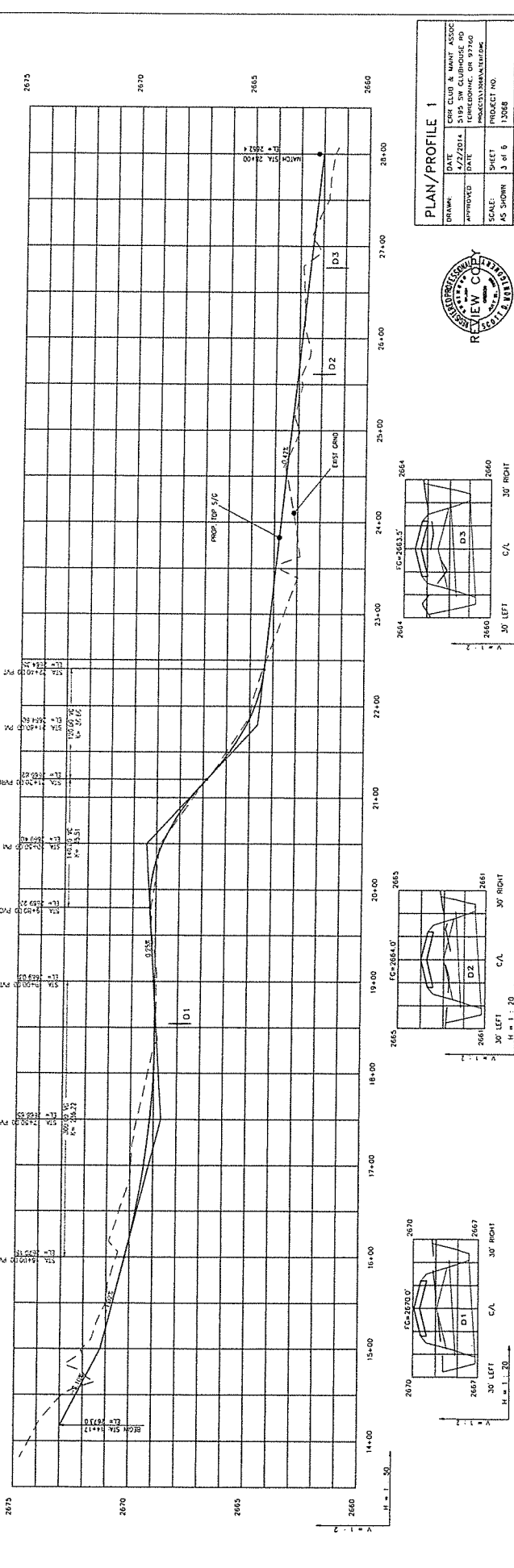
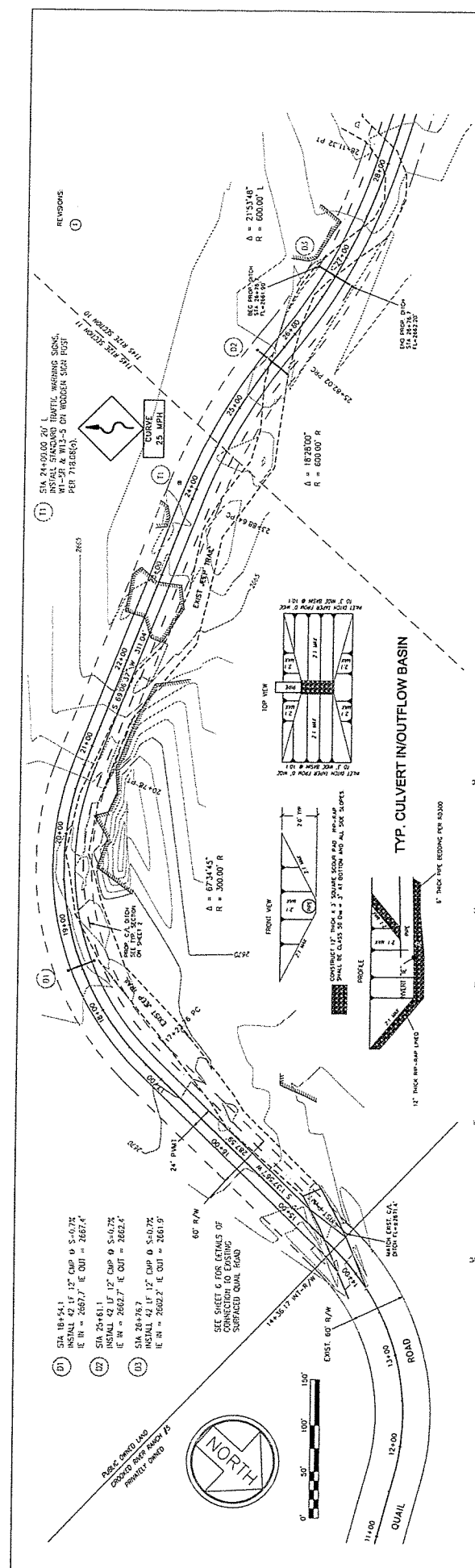
### STRUCTURAL ROAD SECTION



PLAN INDEX	
DRAWN	COR CLUI & MAINT ASSOC
DATE	4/7/2014
APPROVED	5185 SW CLUBHOUSE RD TIGARD, OR 97146
DATE	12/15/2014
SHEET	2 OF 5
PROJECT NO.	13988
AS SHOWN	2 OF 5

ALL POINTS ENGINEERING & SURVEYING  
1000 N. W. 10th Street  
Tigard, Oregon 97146  
Phone: (503) 638-3333  
www.allpointseng.com

REVISIONS:  
①



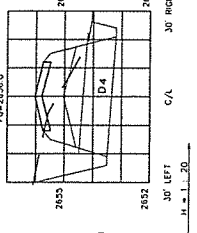
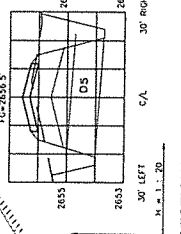
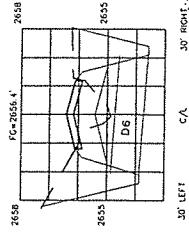
**PLAN/PROFILE 1**

DRAWN	CHR CLUD & MARY ASSOC
DATE	4/27/2014
APPROVED	3195 SW CLUBHOUSE RD TIGARD, OREGON 97146
DATE	PROJECT NO.
SCALE	SHEET
AS SHOWN	3 of 6
	13568

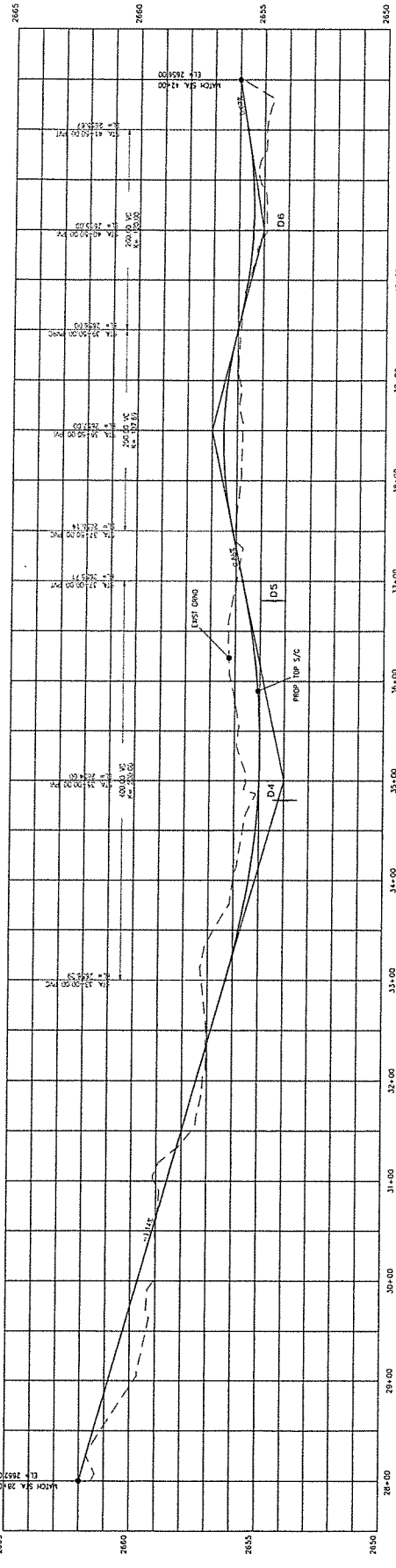
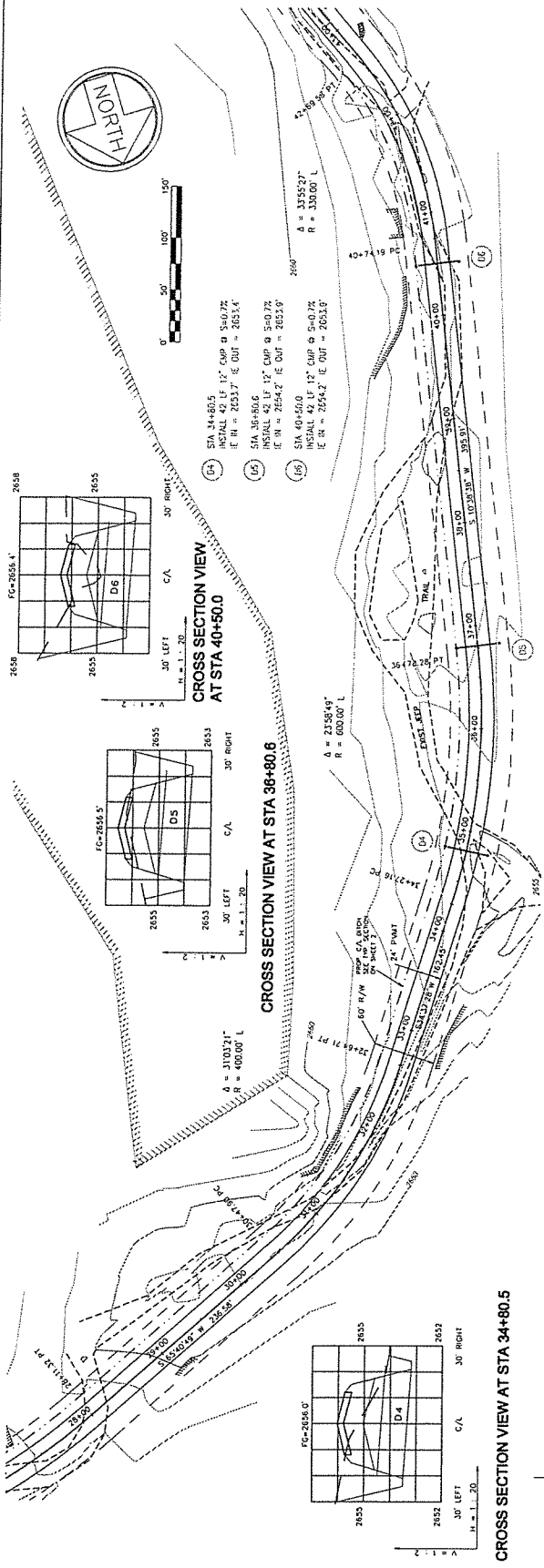
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P.O. BOX 101  
PACIFIC CITY, OREGON 97139  
PHONE: 503-338-3333



REVISION 12/21/2014



- (64) STA 34+80.5  
INSTALL 42 LF 12" CMP @ 5'-0" J/C  
E. W. = 2853.7' E. OUT = 2853.4'
- (65) STA 38+80.6  
INSTALL 42 LF 12" CMP @ 5'-0" J/C  
E. W. = 2854.2' E. OUT = 2853.9'
- (66) STA 40+50.0  
INSTALL 42 LF 12" CMP @ 5'-0" J/C  
E. W. = 2854.2' E. OUT = 2853.9'



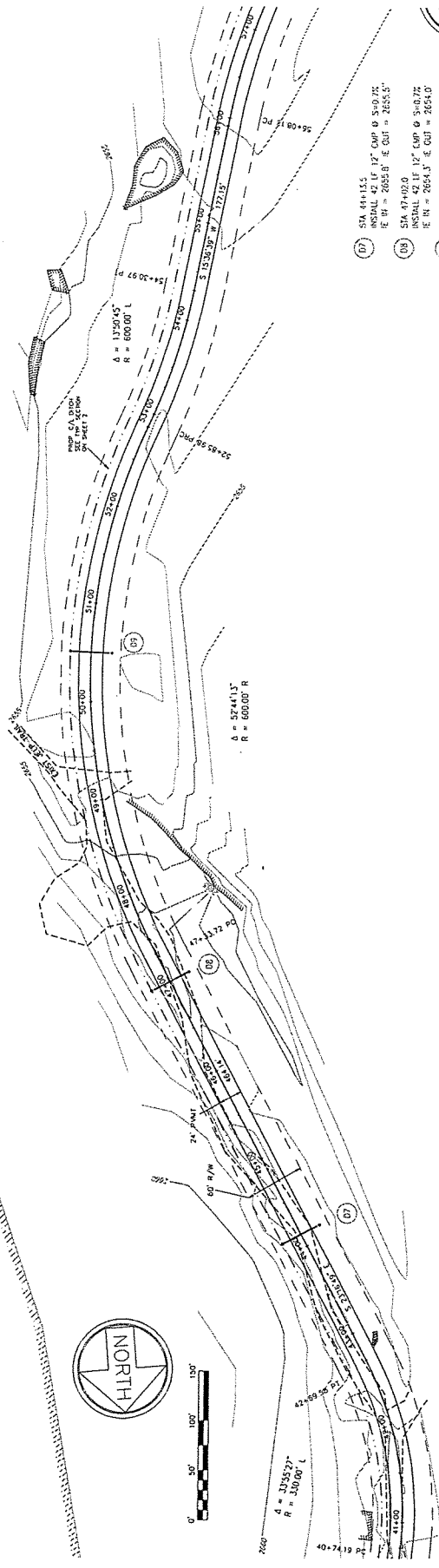
**PLAN/PROFILE 2**

DRAWN	DATE	ERR. CLUB & MGMT. ASSOC.
APPROVED	1/27/2014	5195 SW CLURHOUSE RD
SCALE	AS SHOWN	TERRESONIC, ON 97160
SHEET	4 of 6	PROJECT NO.
PROJECT NO.	13089	

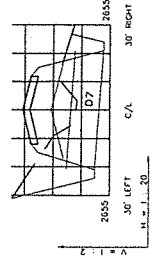
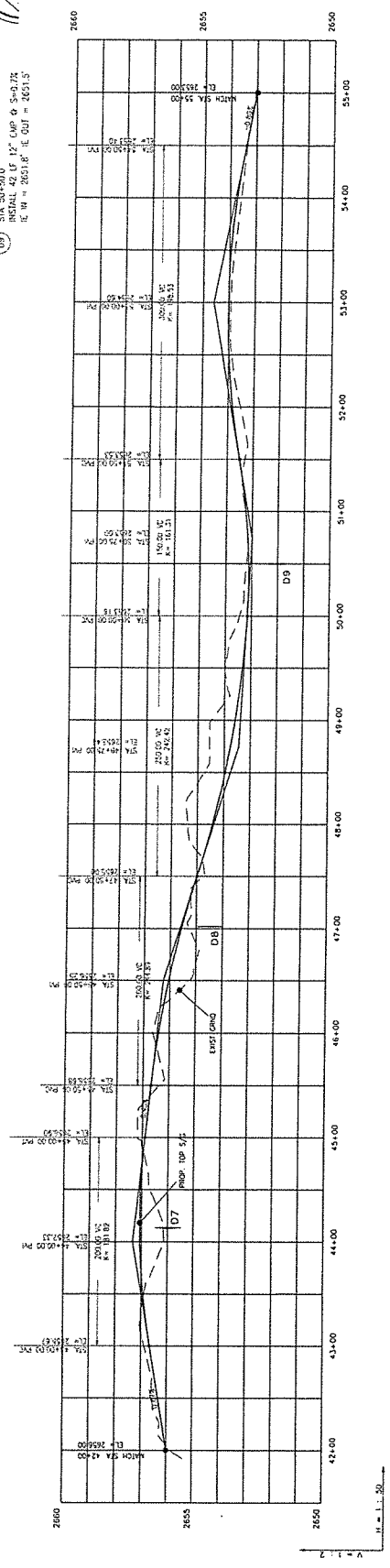
ALL POINTS ENGINEERING & SURVEYING  
 1000 W. 10th St., Suite 200  
 Portland, OR 97204  
 PHONE: (503) 255-3333  
 FAX: (503) 255-3333



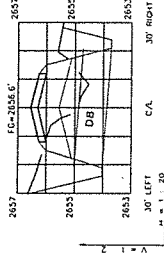
REVISIONS:  
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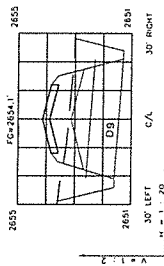
- (07) STA 44+15.5  
 ANGULAR 42 LF 12" CWP @ 5=0.72'  
 E IN = 2658.0' E OUT = 2655.5'
- (08) STA 47+02.0  
 ANGULAR 42 LF 12" CWP @ 5=0.72'  
 E IN = 2654.3' E OUT = 2654.0'
- (09) STA 50+50.0  
 ANGULAR 42 LF 12" CWP @ 5=0.72'  
 E IN = 2651.8' E OUT = 2651.5'



CROSS SECTION VIEW AT STA 44+13.5



CROSS SECTION VIEW AT STA 47+02.0



CROSS SECTION VIEW AT STA 50+50.0

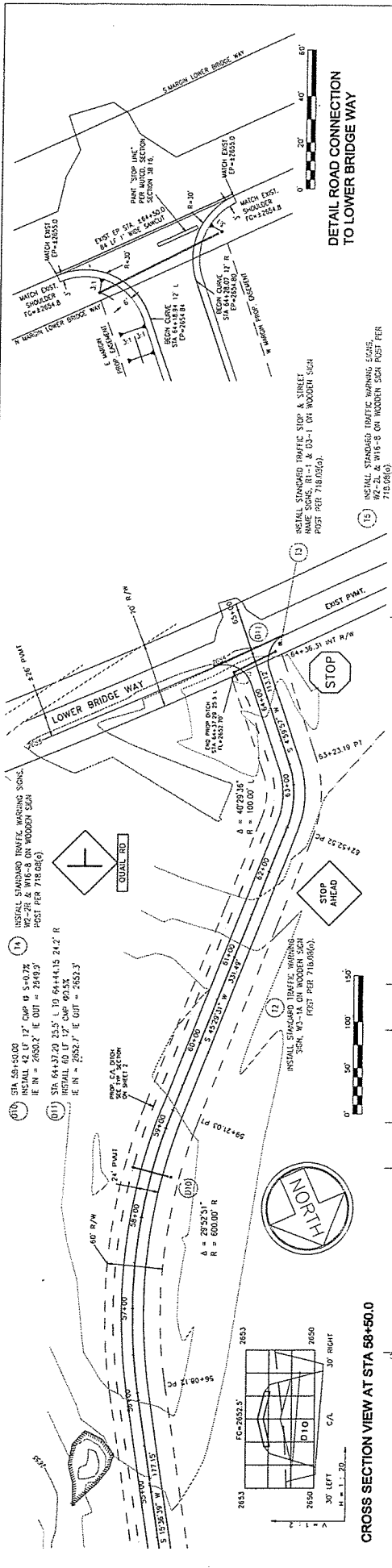
REVISIONS:  
 (1)

PLAN/PROFILE 3			
DRAWN	DATE	COR. CLUB & MANT. ASSOC.	
APPROVED	1/27/2014	5195 SW CLURHOUSE RD	
SCALE		PORTLAND, OR 97209	
AS SHOWN	SHEET	PROJECT NO.	
	5 of 6	13068	



REVISION: 12/31/2014

ALL POINTS ENGINEERING & SURVEYING  
 5195 SW CLURHOUSE RD  
 PORTLAND, OREGON 97209  
 PHONE (503) 546-2003  
 FAX (503) 546-2003



**BID SCHEDULE**

ITEM DESCRIPTION	UNITS	QUANTITY	UNIT COST	ITEM COST
CLEARING & GRUBBING	LS	16,000	\$50,000.00	\$800,000.00
SUBGRADE STABILIZATION	CY	16,000	\$10.00	\$160,000.00
DITCH EMBANKMENT	CY	2,200	\$20.00	\$44,000.00
INLET/OUTLET BASH	EA	22	\$350.00	\$7,700.00
CULVERTS	LF	480	\$50.00	\$24,000.00
BASE AGGREGATE	TN	8,250	\$18.00	\$148,500.00
PAVEMENT	TN	2,240	\$75.00	\$168,000.00
CONNECT EAST ROADS	LS	10,000.00	\$4.00	\$40,000.00
CENTER LINE STRIPING	LF	5,033	\$4.00	\$20,132.00
WARNING/REG. SIGNING	EA	5	\$400.00	\$2,000.00
TEMP. TRAFFIC BARRIERS	LS	5,000.00	\$500.00	\$2,500,000.00

**DETAIL ROAD CONNECTION TO LOWER BRIDGE WAY**

**DETAIL ROAD CONNECTION TO QUAIL RD.**

**PLAN/PROFILE 4**

BRANN	DATE	CHR. CLUR & MANT ASSOC
APPROVED	2/27/2014	5193 DR. CLURHOUSE RD
SCALE	SHEET	PROJECT NO.
AS SHOWN	6 OF 6	1,0088

ALL POINTS ENGINEERING & SURVEYING  
 1000 W. 10TH ST. SUITE 200  
 DENVER, CO 80202  
 PHONE: (303) 733-3333  
 FAX: (303) 733-3334