

APPENDIX A

**Oregon Department of State Lands Wetland
Delineation Concurrence for CRC Project Area**



Oregon

Theodore R. Kulongoski, Governor

Department of State Lands

775 Summer Street NE, Suite 100

Salem, OR 97301-1279

(503) 986-5200

FAX (503) 378-4844

www.oregonstatelands.us.

September 24, 2008

Heather Gundersen
Columbia River Project Crossing Team
700 Washington Street, Suite 300
Vancouver, WA 98660

State Land Board

Theodore R. Kulongoski
Governor

Bill Bradbury
Secretary of State

Re: Wetland Delineation Report for a Portion of the Columbia River
Crossing Project, Multnomah County; T2N, R1E, Sec. 33 and 34; and
T1N, R1E, Sec.3 and 4; Portions of Multiple Tax Lots; WD # 08-0205.

Randall Edwards
State Treasurer

Dear Ms. Gundersen:

The Department of State Lands has reviewed the wetland delineation report prepared by Parametrix for the site referenced above. Please note that the study area for this report includes only the portion of the area described above as indicated on the attached maps. Based upon the information presented in the report and additional information submitted upon request, we concur with the wetland and waterway boundaries as mapped in revised Figures 6a through 6d. Please replace all copies of the preliminary wetland maps with these final Department-approved maps. Within the study area, 4 wetlands, totaling 2.61 acres, portions of the Columbia River and the Oregon Slough, and 2 roadside ditches were identified. The wetlands, river, slough, and the portion of the one ditch created from Wetland L are subject to the permit requirements of the state Removal-Fill Law. A state permit is required for cumulative fill or annual excavation of 50 cubic yards or more in the wetlands or below the ordinary high water line (OHWL) of a waterway (or the 2 year recurrence interval flood elevation if OHWL cannot be determined). The portions of the 2 delineated roadside ditches created from uplands are exempt as per OAR 141-085-0015 (12) and are not subject to the permit requirements of the state Removal-Fill law.

In addition, the Columbia River and the Oregon Slough are state-owned waterways. Any activity encroaching within the submerged and submersible land below the line of ordinary high water may require a lease, registration, or easement to occupy state-owned land. Please contact Tami Hubert at (503) 986-5272 for more information.

This concurrence is for purposes of the state Removal-Fill Law only. Federal or local permit requirements may apply as well. The Army Corps of Engineers will review the report and make a determination of jurisdiction for purposes of the Clean Water Act at the time that a permit application is submitted. We recommend that you attach a copy of this concurrence letter to both copies of any subsequent joint permit application to speed application review.

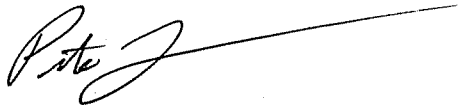


Please be advised that state law establishes a preference for avoidance of wetland impacts. Because measures to avoid and minimize wetland impacts may include reconfiguring parcel layout and size or development design, we recommend that you work with Department staff on appropriate site design before completing the city or county land use approval process.

This concurrence is based on information provided to the agency. The jurisdictional determination is valid for five years from the date of this letter, unless new information necessitates a revision. Circumstances under which the Department may change a determination and procedures for renewal of an expired determination are found in OAR 141-090-0045 (available on our web site or upon request). The applicant, landowner, or agent may submit a request for reconsideration of this determination in writing within 60 calendar days of the date of this letter.

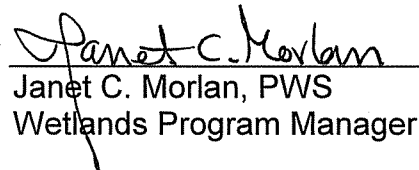
Thank you for having the site evaluated. Please phone me at (503) 986-5232 if you have any questions.

Sincerely,



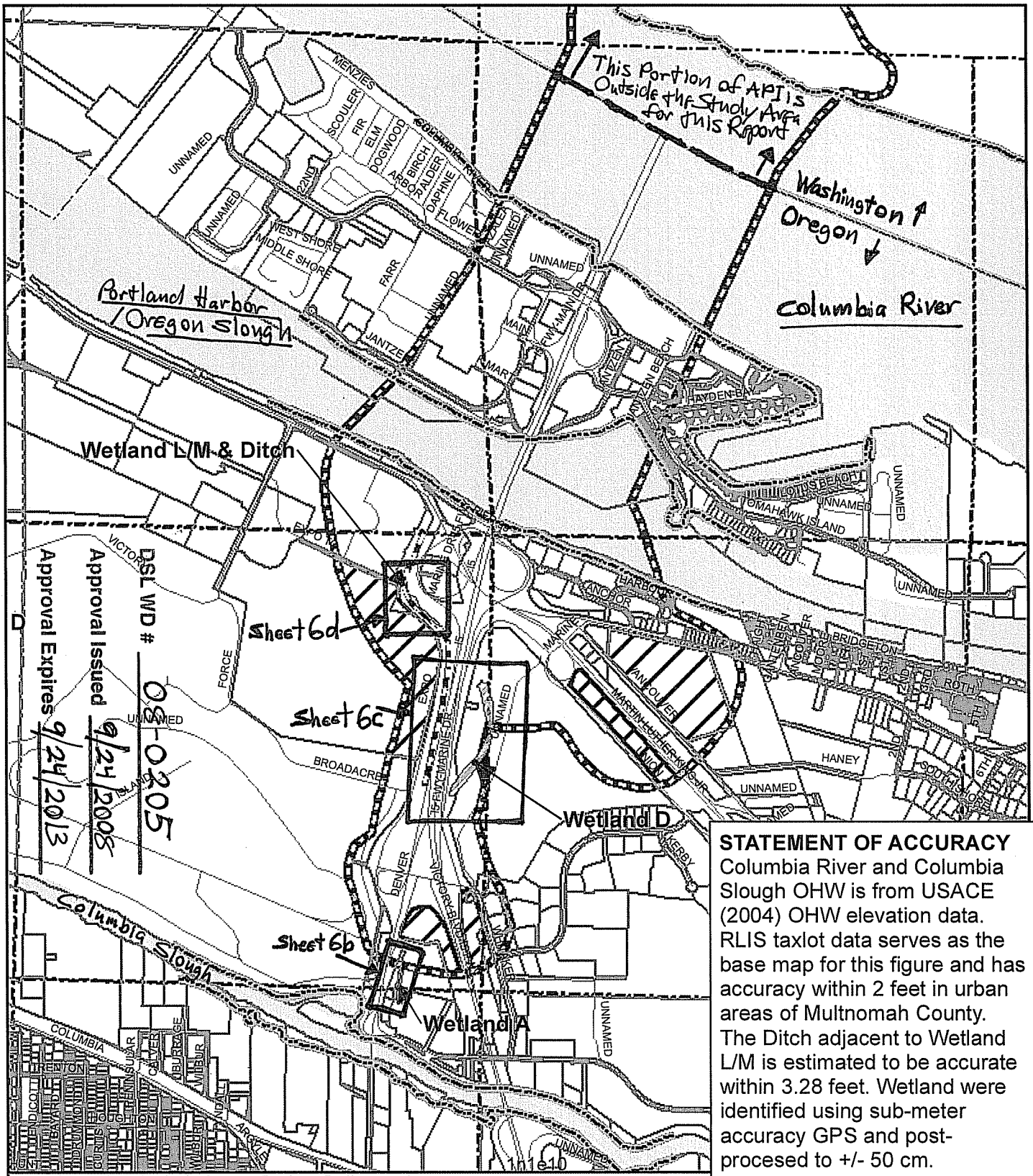
Peter Ryan, PWS
Wetland Specialist

Approved by


Janet C. Morlan, PWS
Wetlands Program Manager

Enclosures

ec: Tina Farrelly, Parametrix
City of Portland Planning Department
James Holm, Corps of Engineers
Mike McCabe, DSL
Tami Hubert, DSL

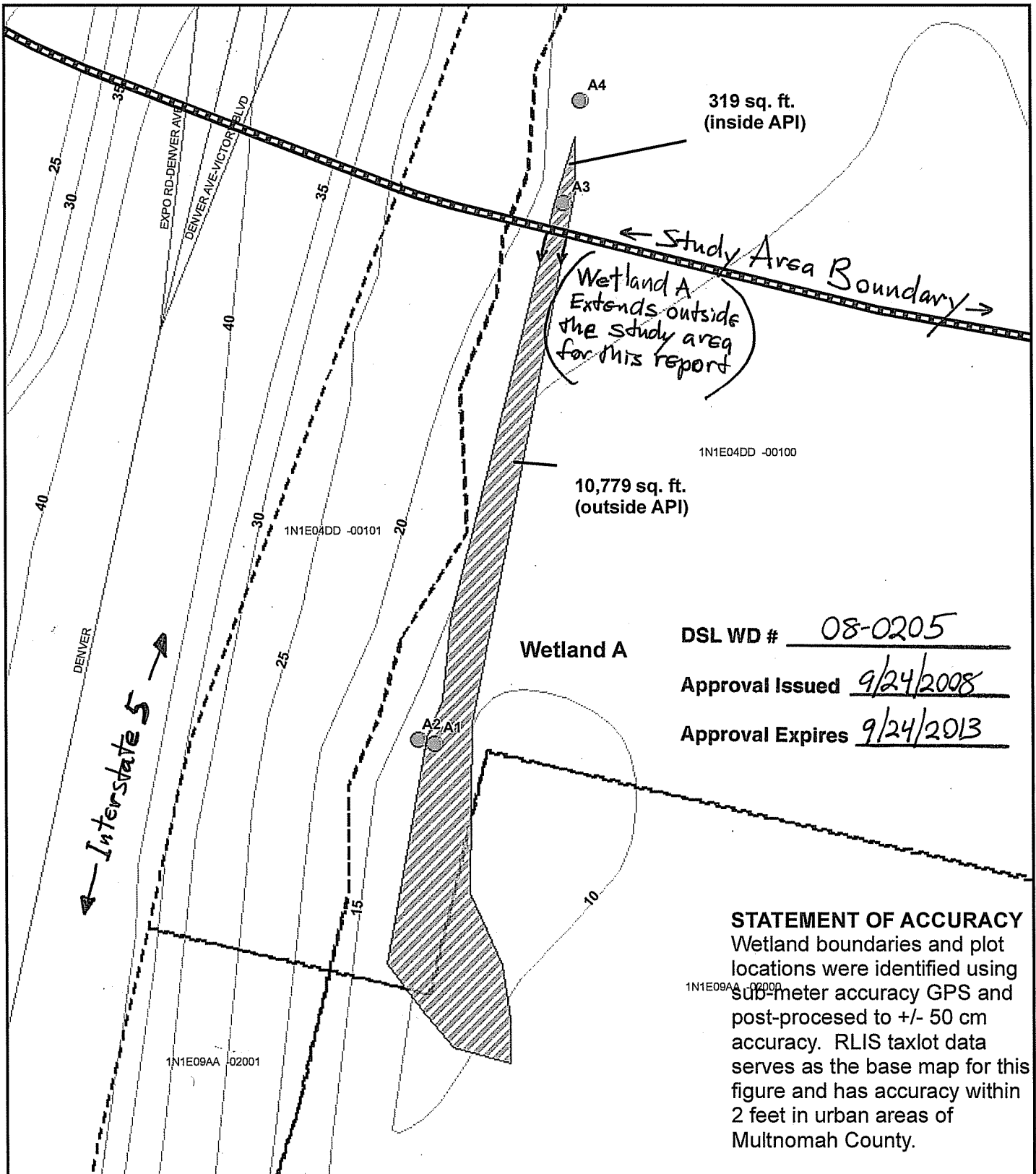


STATEMENT OF ACCURACY
 Columbia River and Columbia Slough OHW is from USACE (2004) OHW elevation data. RLIS taxlot data serves as the base map for this figure and has accuracy within 2 feet in urban areas of Multnomah County. The Ditch adjacent to Wetland L/M is estimated to be accurate within 3.28 feet. Wetland were identified using sub-meter accuracy GPS and post-processed to +/- 50 cm.

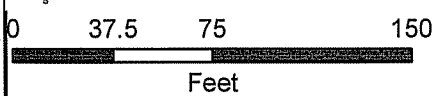
Figure 6a: Wetlands and Other Waters (Index and OHW Map)

- Areas Not Included in Analysis
- Ditch
- RLIS taxlots
- Section Boundary
- Project Delineated Wetlands
- OHW-21.21 ft.
- NAVD88 (ACOE 2004)
- Primary API = Area of Potential Impact

Source: Project Delineated Wetlands = Columbia River Crossing (Parametrix)
 Analysis by J. Koloszar and T. Farrelly; Analysis Date: 8/7/07; Plot Date: 9/11/08; File Name: Fig5_TF120.mxd



STATEMENT OF ACCURACY
 Wetland boundaries and plot locations were identified using sub-meter accuracy GPS and post-processed to +/- 50 cm accuracy. RLIS taxlot data serves as the base map for this figure and has accuracy within 2 feet in urban areas of Multnomah County.

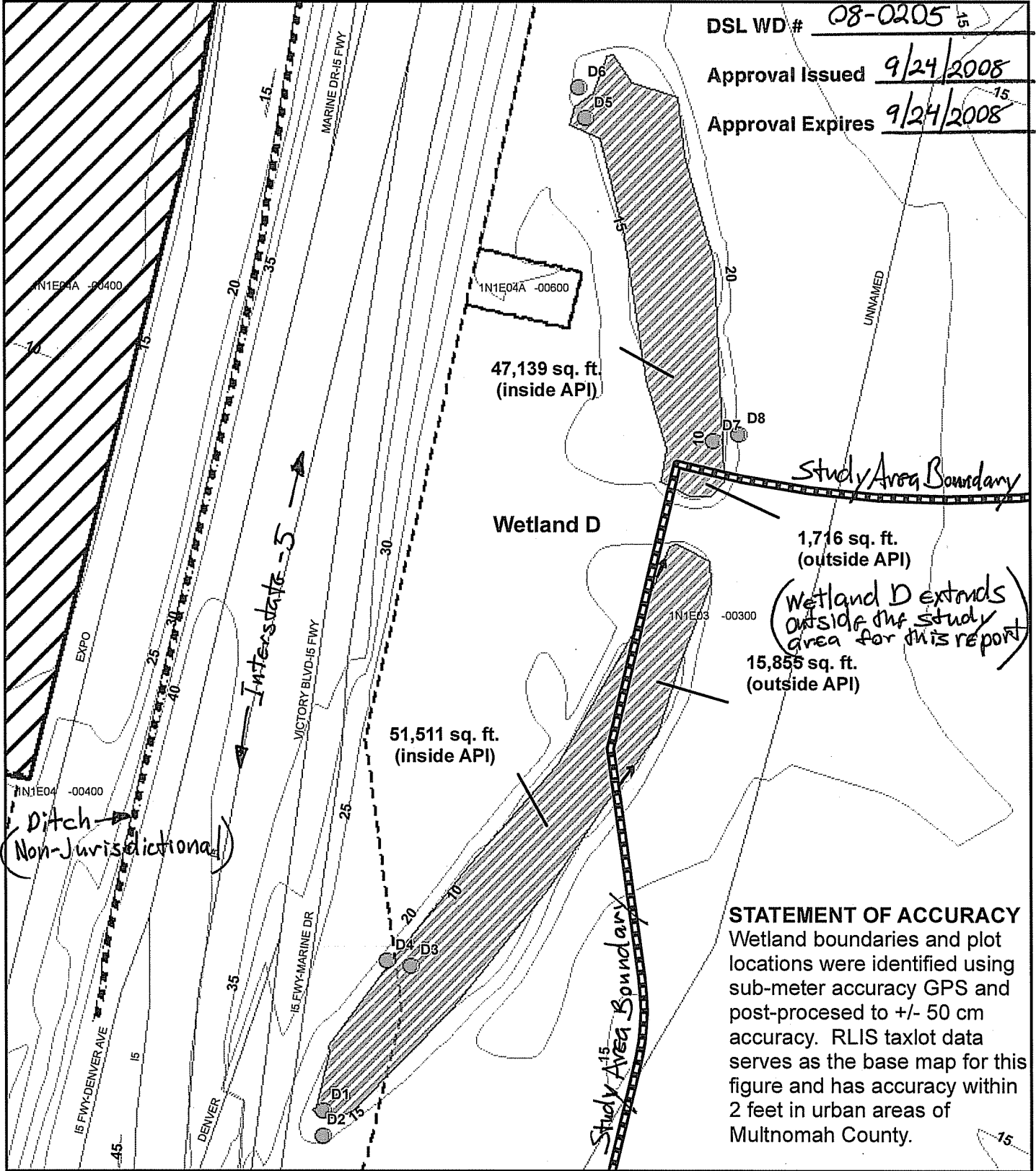


- 5 ft. Contours
- Wetland Data Plots
- Tax Lots
- ▨ Project Delineated Wetlands
- ▭ Primary API

Figure 6b: Wetland A



DSL WD # 08-0205¹⁵
 Approval Issued 9/24/2008¹⁵
 Approval Expires 9/24/2008¹⁵



47,139 sq. ft.
(inside API)

Wetland D

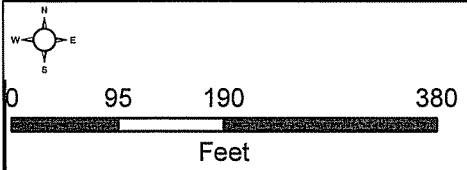
Study Area Boundary

1,716 sq. ft.
(outside API)

(Wetland D extends
outside of the study
area for this report)

15,855 sq. ft.
(outside API)

STATEMENT OF ACCURACY
 Wetland boundaries and plot locations were identified using sub-meter accuracy GPS and post-processed to +/- 50 cm accuracy. RLIS taxlot data serves as the base map for this figure and has accuracy within 2 feet in urban areas of Multnomah County.

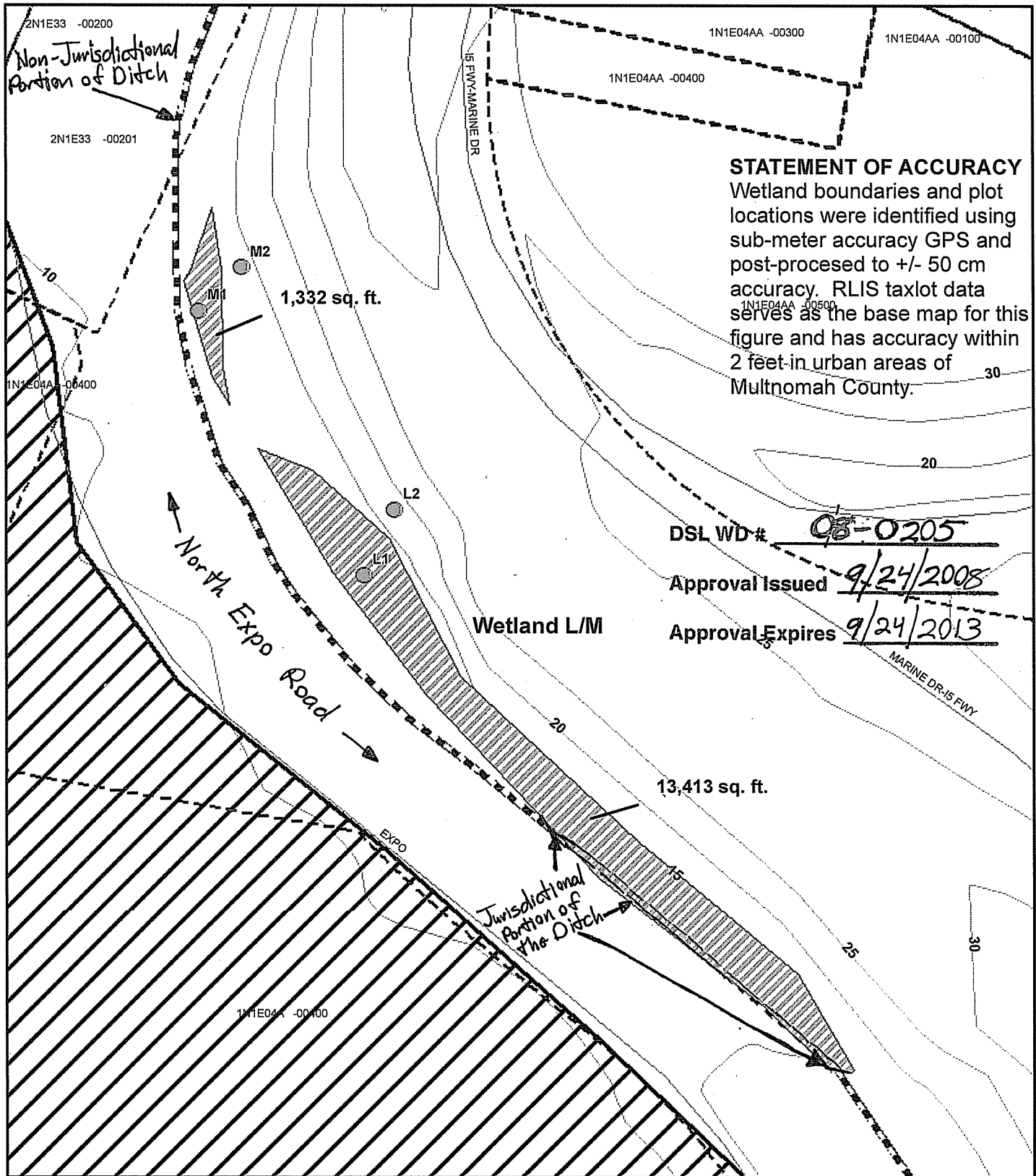


- 5 ft. Contours
- Wetland Data Plots
- ▭ Tax Lots
- ▨ Project Delineated Wetlands
- ▭ Primary API
- Ditch

Figure 6c: Wetland D

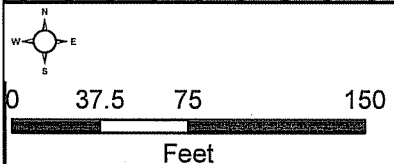


Source: Project Delineated Wetlands = Columbia River Crossing (Parametrix)
 Analysis by J. Koloszar and T. Farrelly; Analysis Date: 8/7/07; Plot Date: 9/9/08; File Name: Fig5_TF120.mxd



STATEMENT OF ACCURACY
 Wetland boundaries and plot locations were identified using sub-meter accuracy GPS and post-processed to +/- 50 cm accuracy. RLIS taxlot data serves as the base map for this figure and has accuracy within 2 feet in urban areas of Multnomah County.

DSL WD # 08-0205
 Approval Issued 9/24/2008
 Approval Expires 9/24/2013



- 5 ft. Contours
- Wetland Data Plots
- ▭ Tax Lots
- ▨ Project Delineated Wetlands
- ▭ Primary API
- Ditch

Figure 6d: Wetland L/M

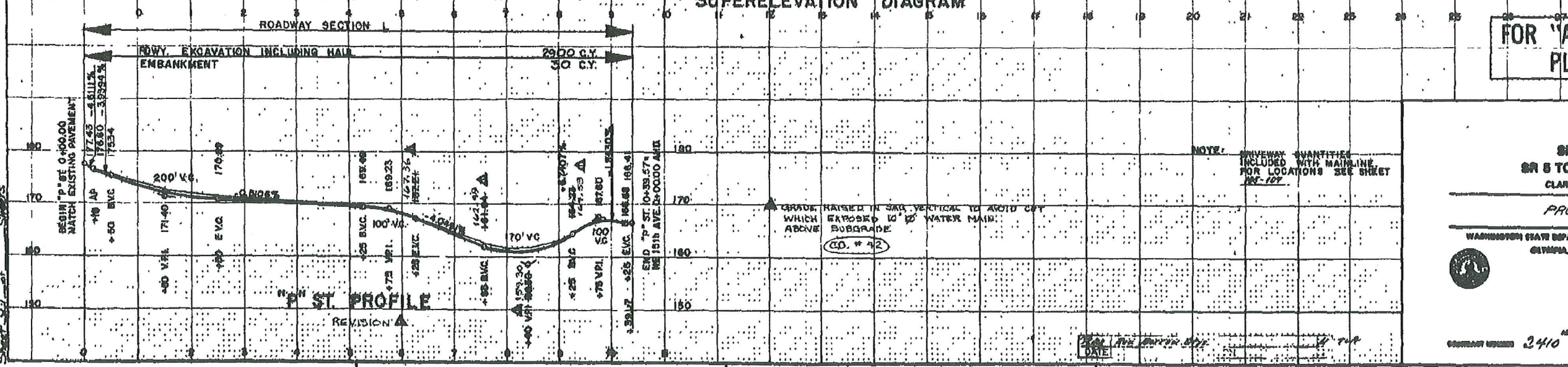
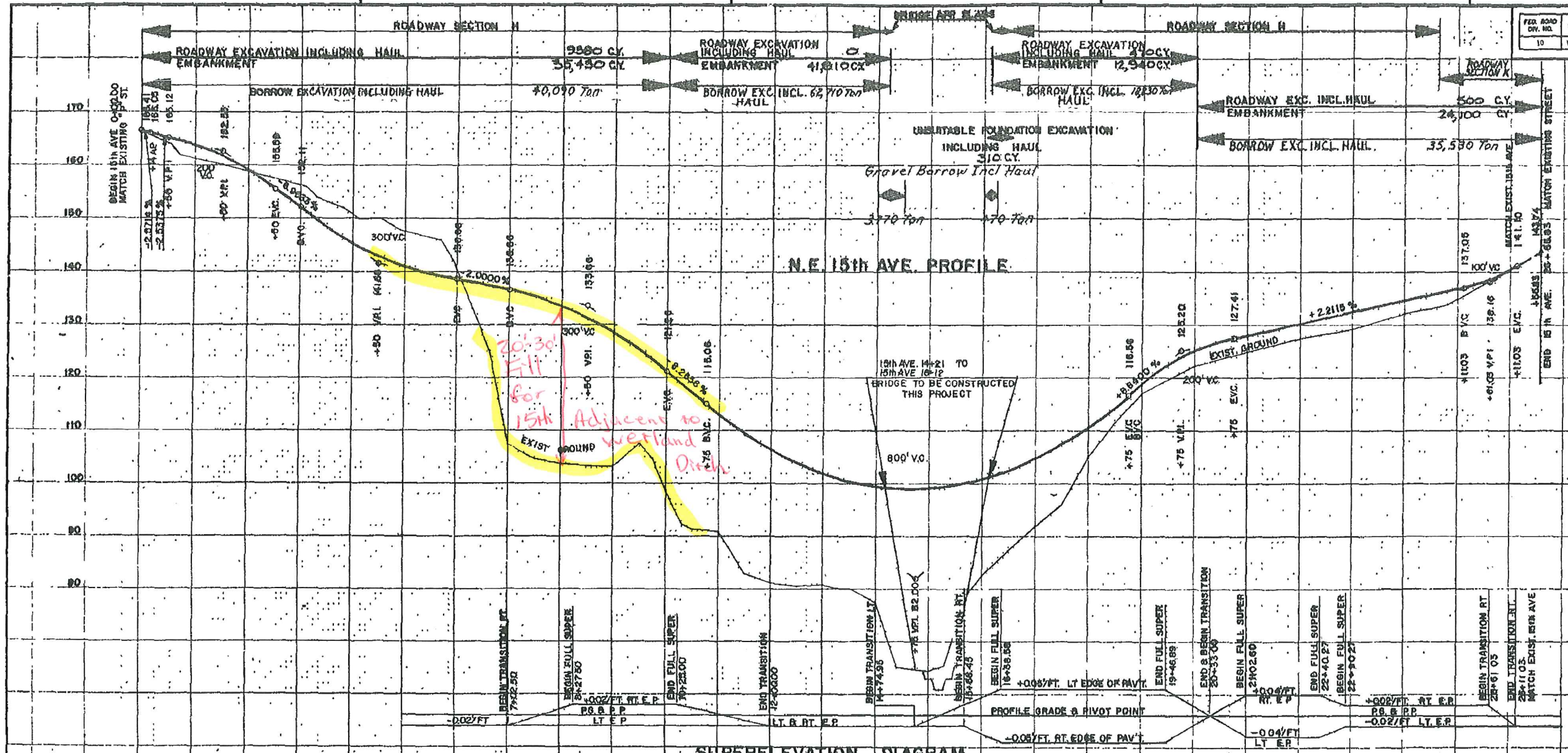


Source: Project Delineated Wetlands = Columbia River Crossing (Parametrix)
 Analysis by J. Koloszar and T. Farrelly; Analysis Date: 8/7/07; Plot Date: 9/9/08; File Name: Fig5_TF120.mxd

APPENDIX B

SR 500 As-built Plans from August 1982

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
10	WASH.	21R-5-1(170)	33	278



FOR 'AS CONSTRUCTED PLANS' ONLY

SR 800
SR 8 TO Y STREET
CLARK COUNTY

PROFILES

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
OLYMPIA, WASHINGTON

APPROVED August 27, 1982
3410 33 218

L. 6023, SR 500, S.S. 0000
LOT SR 5 TO 'Y' STREET
CLARK COUNTY

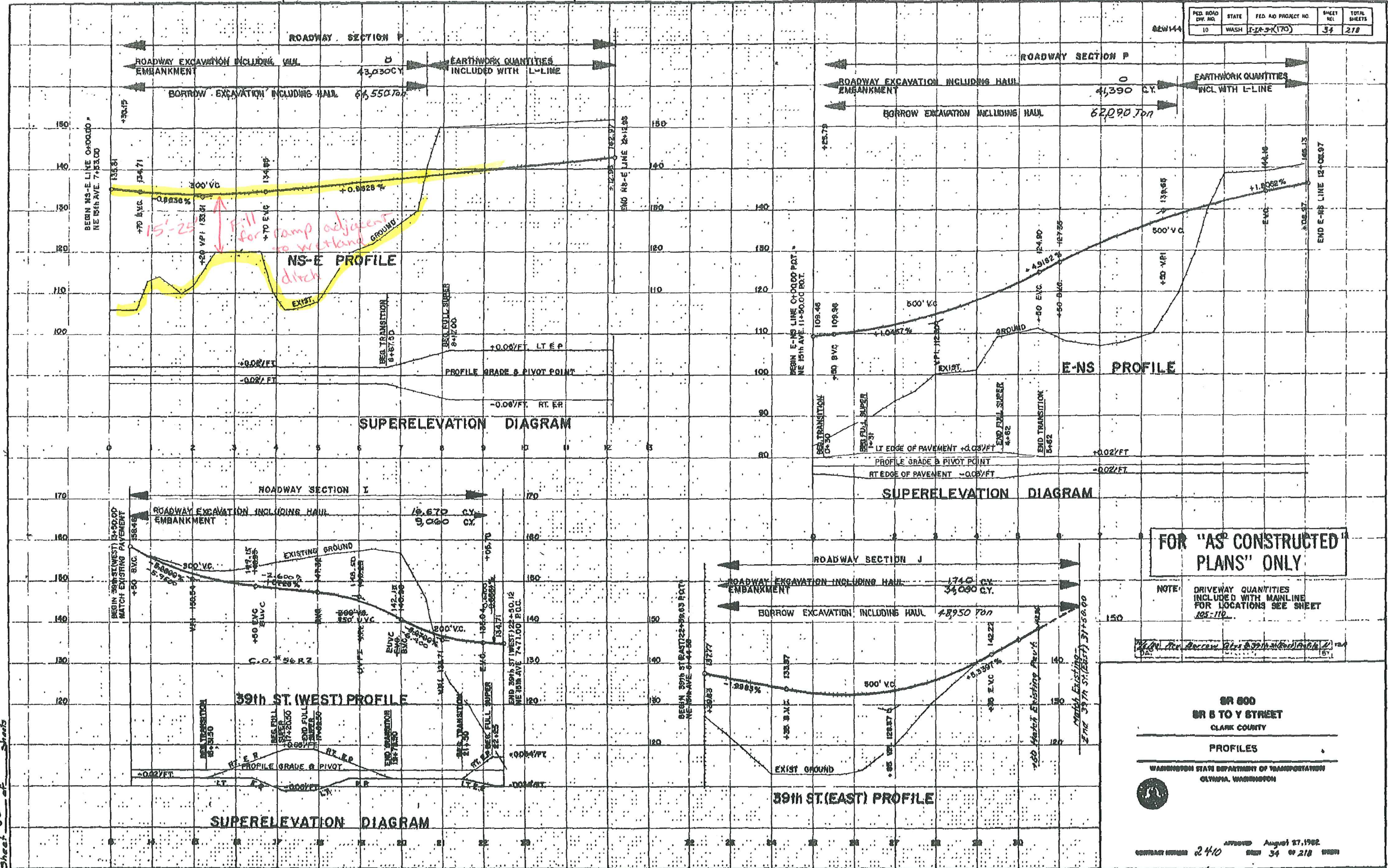
REVISIONS
DATE
BY

REVISIONS
DATE
BY

REVISIONS
DATE
BY

SR 800/38

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
10	WASH.	1-1-3-1(170)	34	218



FOR "AS CONSTRUCTED" PLANS ONLY

NOTE: DRIVEWAY QUANTITIES INCLUDED WITH MAINLINE FOR LOCATIONS SEE SHEET 105-110

1/2" = 100' (Vertical) 1" = 100' (Horizontal)

SR 600
SR 5 TO Y STREET
 CLARK COUNTY
PROFILES
 WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
 OLYMPIA, WASHINGTON

APPROVED August 27, 1962
 CONTRACT NUMBER 2410 SHEET 34 OF 218

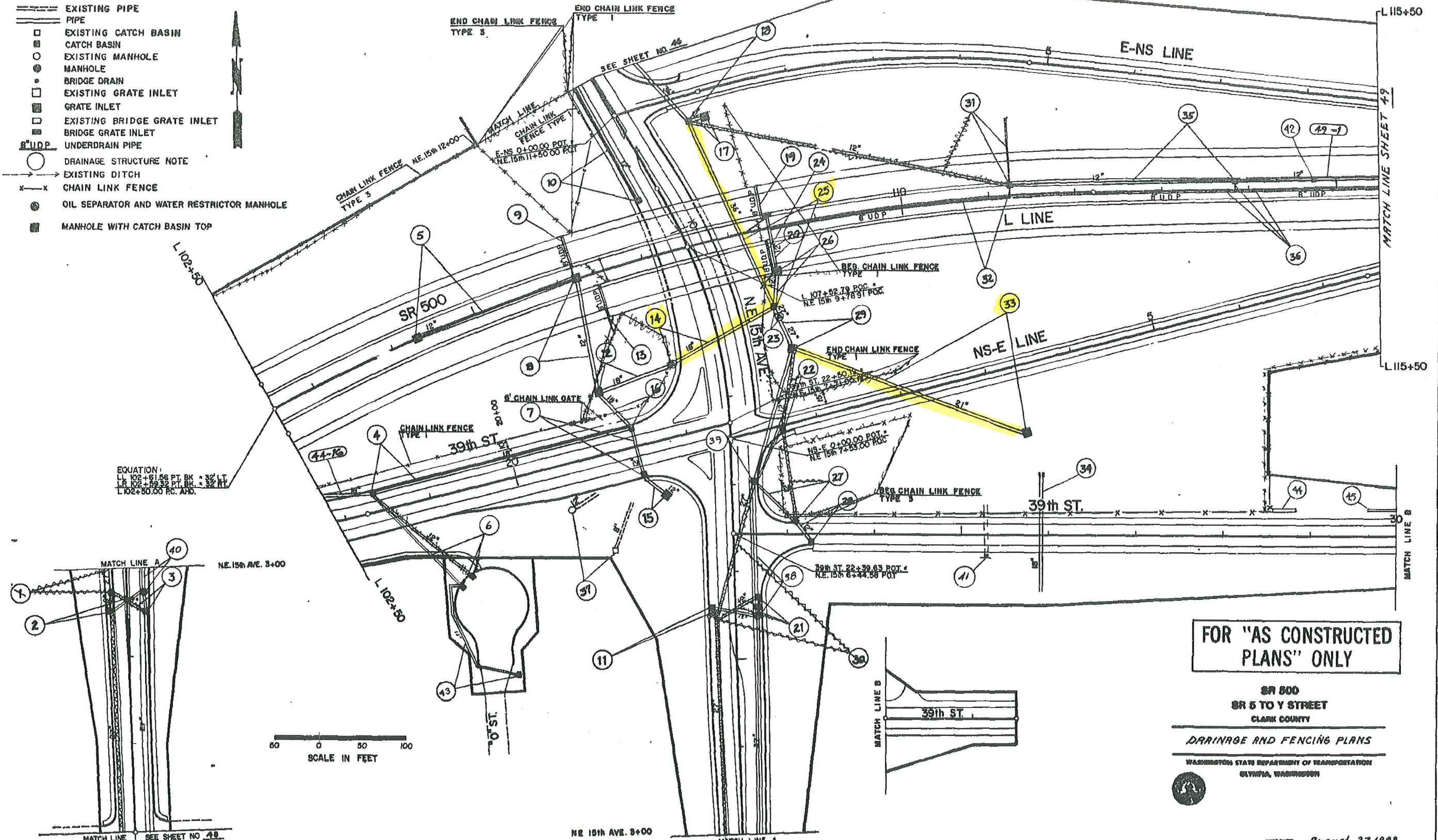
SEE SHEET 32 OF SHEETS
 JCT SR 5 TO 'Y' STREET
 CLARK COUNTY

Sheet 32 of sheets

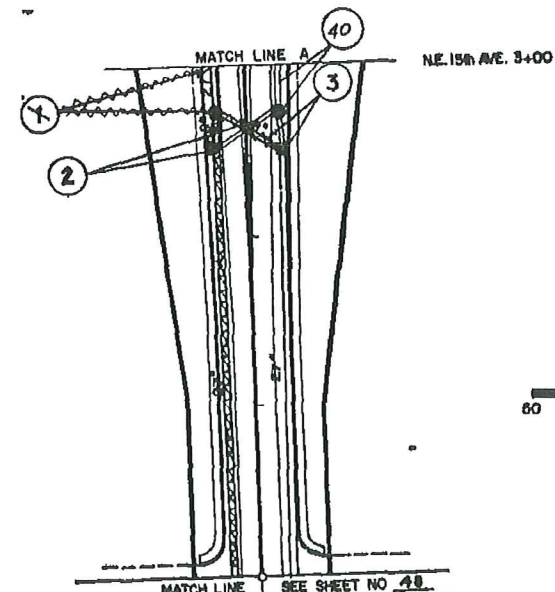
SR 600/135

LEGEND

- ==== EXISTING PIPE
- ===== PIPE
- EXISTING CATCH BASIN
- CATCH BASIN
- EXISTING MANHOLE
- MANHOLE
- BRIDGE DRAIN
- EXISTING GRATE INLET
- GRATE INLET
- EXISTING BRIDGE GRATE INLET
- BRIDGE GRATE INLET
- ⊖ UNDERDRAIN PIPE
- DRAINAGE STRUCTURE NOTE
- EXISTING DITCH
- CHAIN LINK FENCE
- OIL SEPARATOR AND WATER RESTRICTOR MANHOLE
- MANHOLE WITH CATCH BASIN TOP



EQUATION:
 L 102+61.58 PT. BK. = 30' LT.
 L 102+79.32 PT. BK. = 32' RT.
 L 102+50.00 RC. AID.



0 50 100
 SCALE IN FEET

FOR "AS CONSTRUCTED
 PLANS" ONLY

SR 500
 SR 5 TO Y STREET
 CLARK COUNTY

DRAINAGE AND FENCING PLANS

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
 OLYMPIA, WASHINGTON

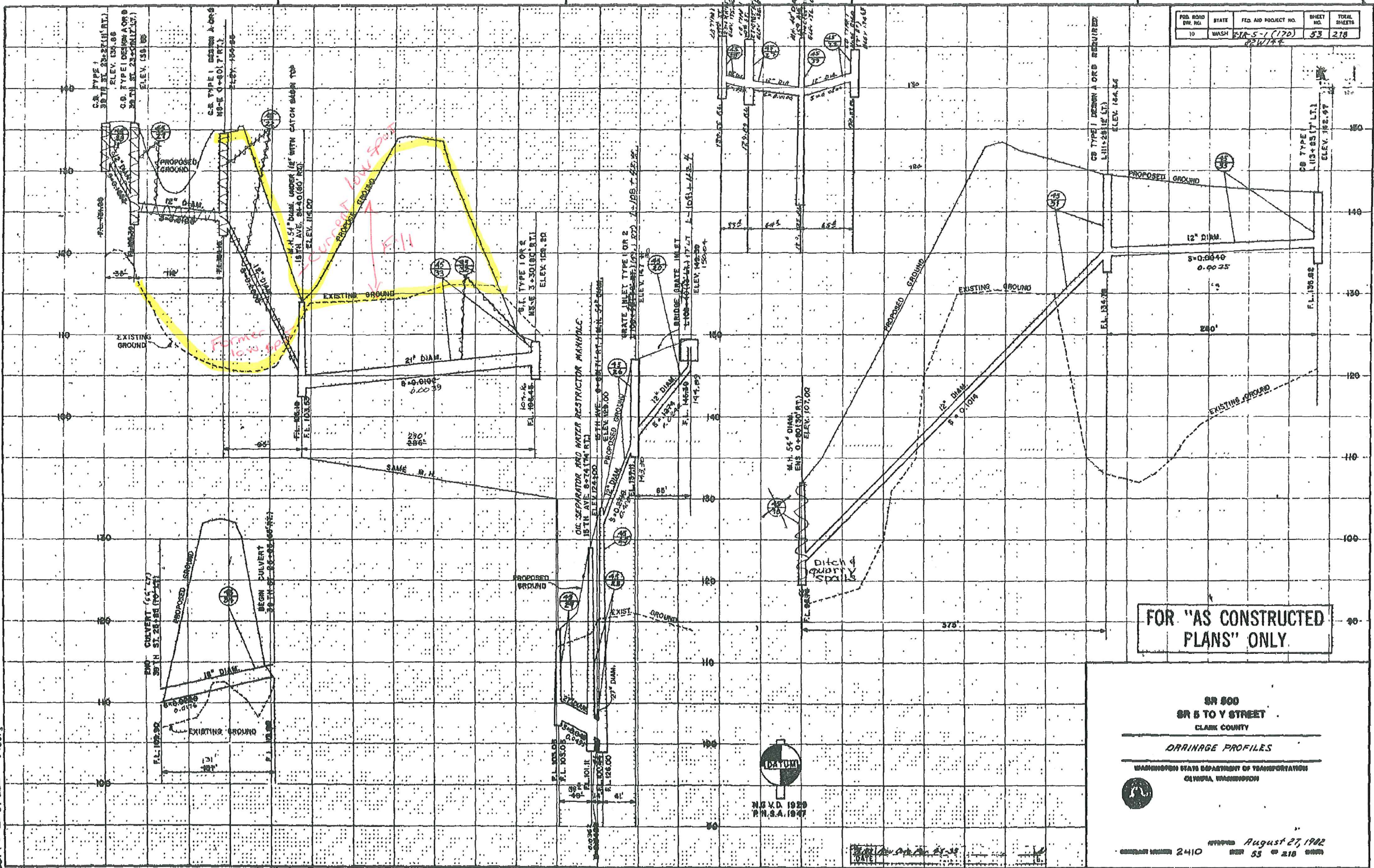


APPROVED August 27, 1982
 CONTRACT NUMBER 2410 WITH 45 CH. 218 WASH

L-1023, SR-500, 43-0690
 SEE SR-5 TO 'Y' STREET
 CLARK COUNTY

Sheet 43 of 218

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
10	WASH.	51R-5-1 (170)	53	218



NO.	DESCRIPTION
1	PROPOSED GROUND
2	EXISTING GROUND
3	PROPOSED DRAINAGE
4	EXISTING DRAINAGE
5	PROPOSED MANHOLE
6	EXISTING MANHOLE
7	PROPOSED CATCH BASIN
8	EXISTING CATCH BASIN
9	PROPOSED PIPE
10	EXISTING PIPE

NO.	DESCRIPTION
11	PROPOSED OIL SEPARATOR
12	EXISTING OIL SEPARATOR
13	PROPOSED BRIDGE GRATE
14	EXISTING BRIDGE GRATE
15	PROPOSED DITCH
16	EXISTING DITCH

NO.	DESCRIPTION
17	PROPOSED END OF CULVERT
18	EXISTING END OF CULVERT
19	PROPOSED BEGIN CULVERT
20	EXISTING BEGIN CULVERT

Sheet 51 of Streets
 SR 500, CS-0040
 JCT. SR-5 TO Y-STREET
 CLATSOP COUNTY

FOR "AS CONSTRUCTED PLANS" ONLY

SR 500
 SR 5 TO Y STREET
 CLATSOP COUNTY

DRAINAGE PROFILES

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
 OLYMPIA, WASHINGTON



August 27, 1962

CONTRACT NUMBER 2410



N.T.S.D. 1959
 P.N.S.A. 1947

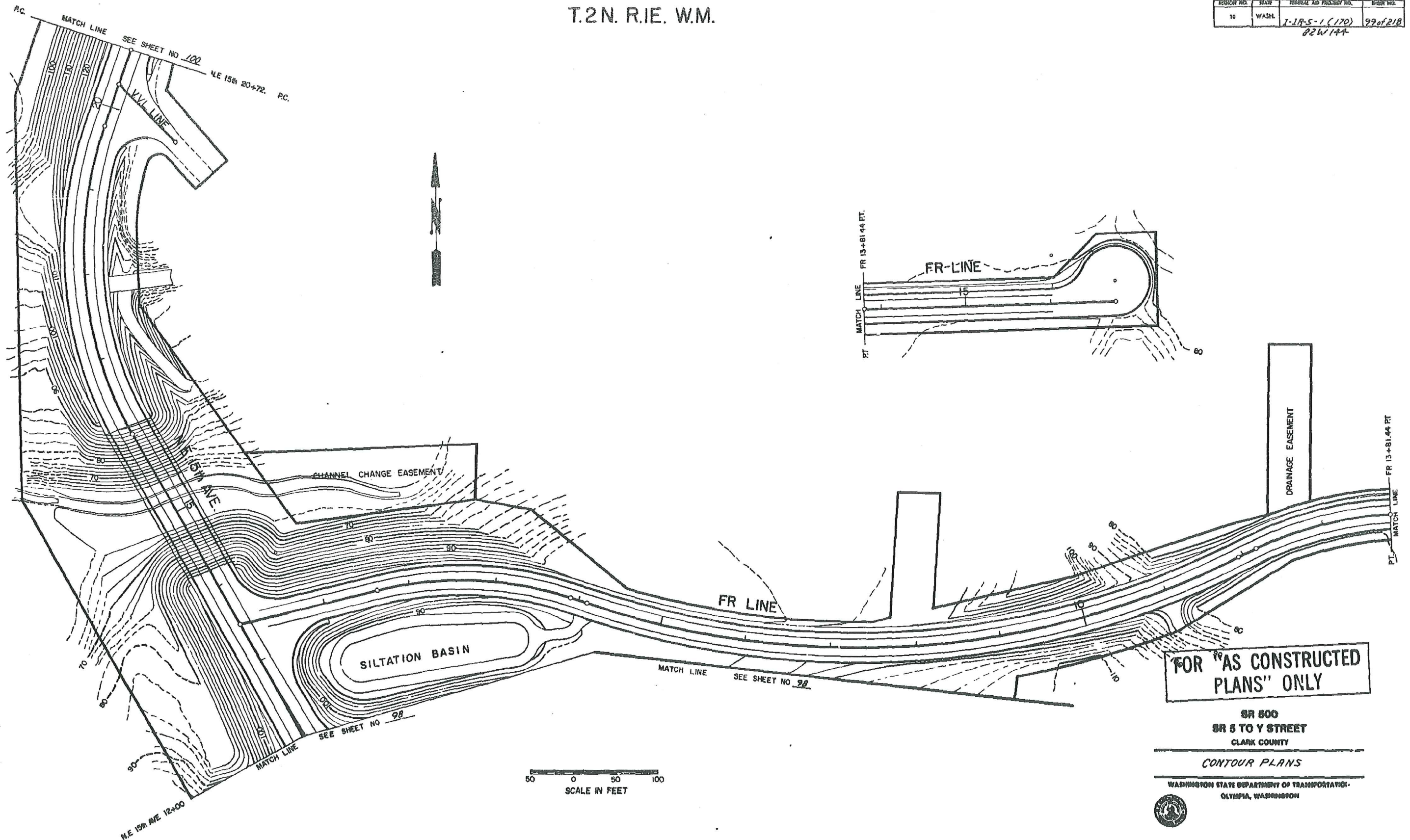
DATE

T.2N. R.1E. W.M.

DESIGN NO.	SEAL	PROJ. AND PROCEED. NO.	SHEET NO.
10	WASH.	1-38-5-1 (170)	99 of 218
826144			

NO.	DATE	BY	REVISION

NO.	DATE	BY	REVISION



**FOR "AS CONSTRUCTED
PLANS" ONLY**

SR 500
SR 5 TO Y STREET
CLARK COUNTY

CONTOUR PLANS

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
OLYMPIA, WASHINGTON

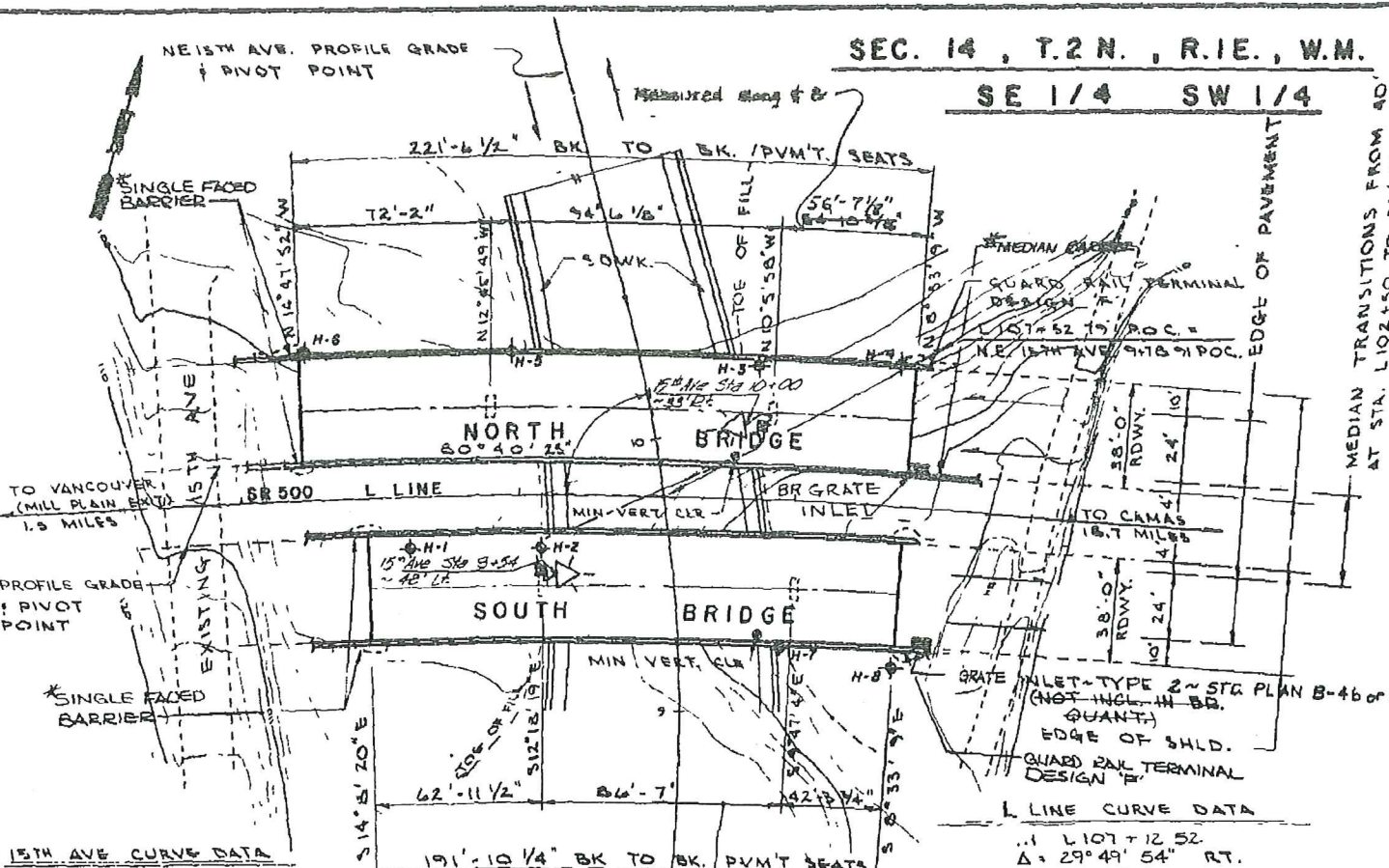


APPROVED August 27, 1982
CONTRACT NUMBER 2410 SHEET 99 of 218

SK 500/38

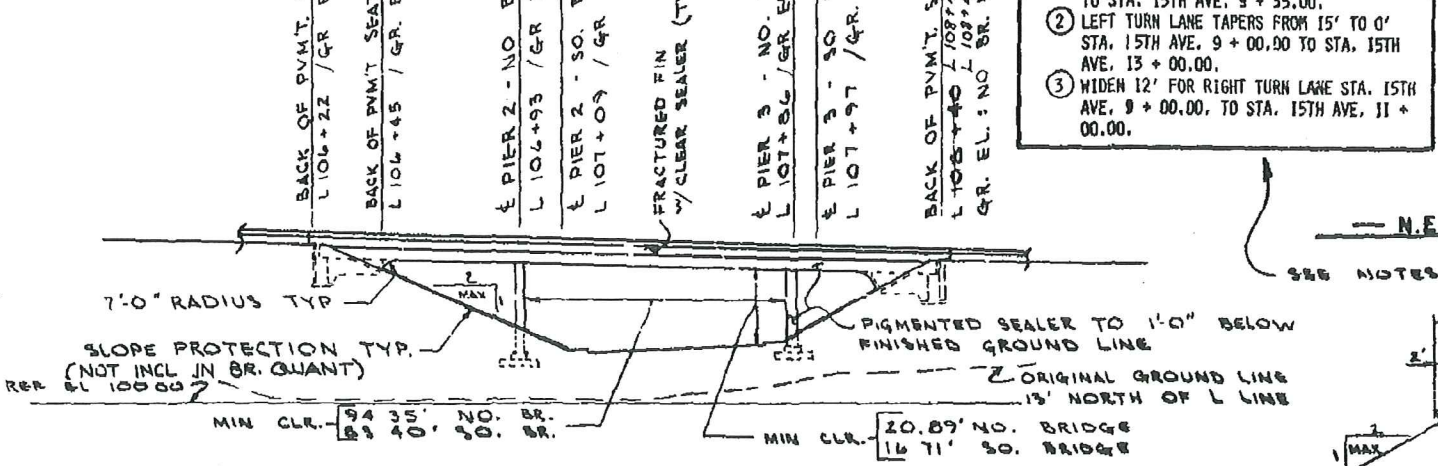
SR 500 JOB NO. L-6023 13

DATE	REVISION	BY	APP'D	DATE	REVISION
9-23-81	1	Ed. G. J.		
7-3-81	2	Ed. G. J.		



15TH AVE CURVE DATA
 P1 = +04.22
 Δ = 29° 05' 04" LT.
 R = 600'
 T1 = 304.57'
 T2 = 155.64'
 S = 0.02'

- ☒ Junction Box Type A or B
- △ Underdeck Luminaire
- Conduit



- ELEVATION -
 GRADE ELEVATIONS SHOWN ARE FINISH GRADES ON E OF BRIDGES.
 NORTH BRIDGE SHOWN - SOUTH BRIDGE SIMILAR

SEC. 14, T.2 N., R.1 E., W.M.
 SE 1/4 SW 1/4

GENERAL NOTES

ALL MATERIAL AND WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STATE OF WASHINGTON, DEPT. OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, DATED 1988.

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS FOR LOAD FACTOR DESIGN, 1977 AASHTO SPECIFICATIONS.

FOOTING ELEVATIONS AND SUBSTRUCTURE DETAILS ARE SUBJECT TO CHANGE DEPENDING UPON FOUNDATION MATERIAL ENCOUNTERED. REINFORCING STEEL FOR THE FOOTINGS, COLUMN AND ABUTMENT WALLS SHALL NOT BE CUT UNTIL FINAL FOOTING ELEVATIONS HAVE BEEN DETERMINED IN THE FIELD, AND SUBSTRUCTURE DETAILS HAVE BEEN MODIFIED AS REQUIRED.

THE CONCRETE IN THE FOOTINGS, PEDESTALS AND ABUTMENT SEATS SHALL BE CLASS B MIX. ALL OTHER CONCRETE SHALL BE CLASS AX MIX.

FALSEWORK SHALL BE CAREFULLY RELEASED TO PREVENT IMPACT OR UNBQNE STRESSES IN THE STRUCTURE.

THE TRAFFIC BARRIER SHALL NOT BE POURED UNTIL THE FALSEWORK HAS BEEN RELEASED.

THE MAXIMUM DESIGN SOIL PRESSURE PER SQUARE FOOT IS 3 TONS.

UNLESS OTHERWISE SHOWN ON THE PLANS, CONCRETE COVER MEASURED FROM THE FACE OF THE CONCRETE TO THE FACE OF ANY REINFORCING BAR SHALL BE 2" AT THE TOP OF THE ROADWAY SLAB, 1" AT THE BOTTOM OF THE ROADWAY SLAB AND THE TOP AND BOTTOM OF THE BOTTOM SLAB, 2 1/2" AT THE BOTTOM OF FOOTINGS AND 1 1/2" AT ALL OTHER LOCATIONS.

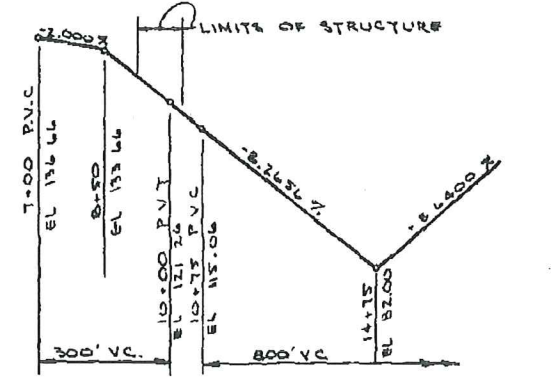
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	7-27-81 (170)			177	218	

82W144

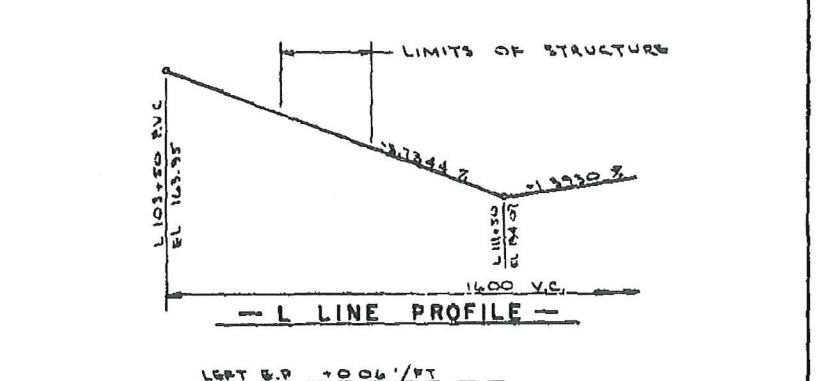
LEGEND

⊙ IDENTIFYS SECTION, VIEW OR DETAIL

⊞ SHOWN ON BRIDGE SHEET (LOCATED IN LOWER RIGHT CORNER)

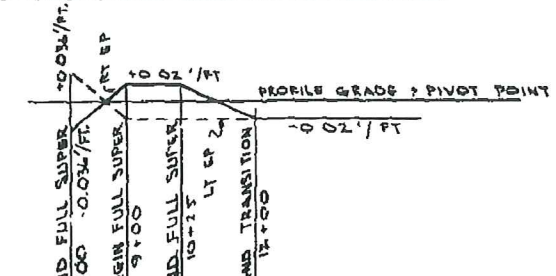


- N.E. 15th AVE. PROFILE -

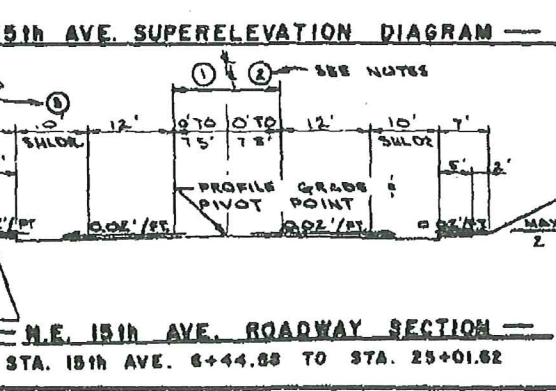


- SR 500 SUPERELEVATION DIAGRAM -

- NOTES**
- LEFT TURN LANE STA. 15TH AVE. 7 + 85.00 TO STA. 15TH AVE. 9 + 35.00.
 - LEFT TURN LANE TAPERS FROM 15' TO 0' STA. 15TH AVE. 9 + 00.00 TO STA. 15TH AVE. 13 + 00.00.
 - WIDEN 12' FOR RIGHT TURN LANE STA. 15TH AVE. 9 + 00.00. TO STA. 15TH AVE. 11 + 00.00.



- N.E. 15th AVE. SUPERELEVATION DIAGRAM -



- N.E. 15th AVE. ROADWAY SECTION -

LOADING - HS-20 OR TWO 24 KIP AXLES AT 4'-0" O.C.

SR 500
 SR 5 TO Y STREET
 CLARK COUNTY
 N.E. 15TH AVE. OXINGS

LAYOUT

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
 OLYMPIA, WASH. 98501

APPROVED August 27, 1982
 SHEET 177 OF 218



As Built Changes In Red 10-22-87

N.E. 15th Ave. Profile