Information for File # 2015-02170-ADB

Applicant: Lac Qui Parle County

Corps Contact: Andy Beaudet

Address: 180 Fifth Street East Suite 700, St. Paul, Minnesota 55101

E-Mail: Andrew.D.Beaudet@usace.army.mil

Phone: (651) 290-5642

Primary County: Lac Qui Parle

Section: 22

Township: 117 North

Range: 43 West

Information Complete On: June 25, 2015

Posting Expires On: July 27, 2015

Authorization Type: LOP-05-MN

This application is being reviewed in accordance with the practices for documenting Corps jurisdiction under Sections 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act identified in Regulatory Guidance Letter 07-01. We have made a preliminary determination that the aquatic resources that would be impacted by the proposed project are regulated by the Corps of Engineers under Section 404 of the Clean Water Act. Our jurisdictional review and final jurisdictional determination could result in modifications to the scope of the project's regulated waterbody/wetland impacts and compensatory mitigation requirements identified above. Any approved jurisdictional determination made prior to reaching a permit decision would be posted on the St. Paul District web page at http://www.mvp.usace.army.mil/.

Project Description and Purpose (As stated by the applicant):

Lac Qui Parle County proposes to re-grade, widen and pave 5,500 feet of County State Aid Highway (CSAH) 37 between 301st Avenue and 311th Avenue (S.A.P. 37-637-004).

The need of this project is to correct the poor subgrade and improve the safety of the road, which connects the city of Dawson to an industrial park. This is the only segment of CSAH 37 that has not been re-graded and paved. The existing road is sub-standard for the current traffic volume and utilization of this highway segment. Adjacent land is

predominantly agricultural. The road runs parallel with the railroad right of way and crosses the Lac Qui Parle River, via an existing bridge, which is to remain in place.

The proposed construction scope of work includes the correction of a poor subgrade, correction of a substandard cross-section and various safety improvements. In 2015 the applicant expects to complete the following work: grading, inslope flattening, shoulder widening, culvert replacement, aggregate base, and turf establishment. Bituminous surfacing and aggregate shouldering to be completed in 2016 after regarding.

The existing road has a 26' wide (two traffic lanes) aggregate surface. The proposed road will have 24' wide (two traffic lanes) bituminous surface and a 4.5' aggregate shoulder on both sides of the pavement. The improved road will have 1:4 slopes and 8' wide ditch bottoms. Existing right of way is 66'. New right of way (17') will be purchased on the north side of the road for the segment of road (west 4,200 feet) running parallel with the railroad tracks. New right of way (17') will be purchased on the south side of the road for the segment of road (east 1,300 feet) located on the section line. The new right of way is needed to widen the shoulders, flatten the inslopes and shape the ditch bottom.

Name, Area and Types of Waters (Including Wetlands) Subject to Loss:

For the CSAH 37 project, the applicant requests a permit to excavate 0.55 acre and discharge dredged and fill material into 1.03 acres of wetland.

Compensatory Mitigation:

The applicant has not proposed any compensatory mitigation. The Corps will review the project for mitigation requirements in accordance with existing regulations and policy.

Drawings: MVP-2015-02170-ADB Page 1 of 8 through MVP-2015-02170-ADB Page 8 of 8.

MINNESOTA DEPARTMENT OF TRANSPORTATION

LAC QUI PARLE COUNTY

Construction Plan for Grading & Aggregate Base
County State Aid Highway 37

DIAGONAL STREET
BETWEEN 225' E. OF 301st AVE. & 311th AVE. IN DAWSON, MN
SEC 22, T117N, R43W

GROSS LENGTH	5500.4 feet	1.042 miles
BRIDGES LENGTH	138.5 feet	0.026 miles
EXCEPTIONS LENGTH	138.5 feet	0.026 miles
NET LENGTH	5361.9 feet	1.016 miles

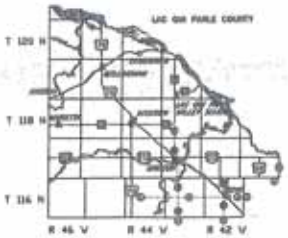
Preliminary

PLAN SYMBOLS

STATE LINE
COUNTY LINE
TOWNSHIP OR RANGE LINE
SECTION LINE
SLOPE EASEMENT
RIGHT OF WAY LINE
PRESENT RIGHT OF WAY LINE
CORPORATE OR CITY LIMITS
TEMPORARY EASEMENT
RAILROAD RIGHT OF WAY
RAILROAD CENTERLINE
RAILROAD
RIVER OR CREEK
DRAINAGE DITCH
BRIDGE
CULVERT
DRAIN TILE
CAST IRON MONUMENT
CONC OR STONE MONUMENT
MARSH OR SWAMP
WOODS OR BRUSH
DECIDUOUS TREE
EVERGREEN TREE
HEDGE
BARBED WIRE FENCE
CATCH BASIN — CB
MANHOLE — MH

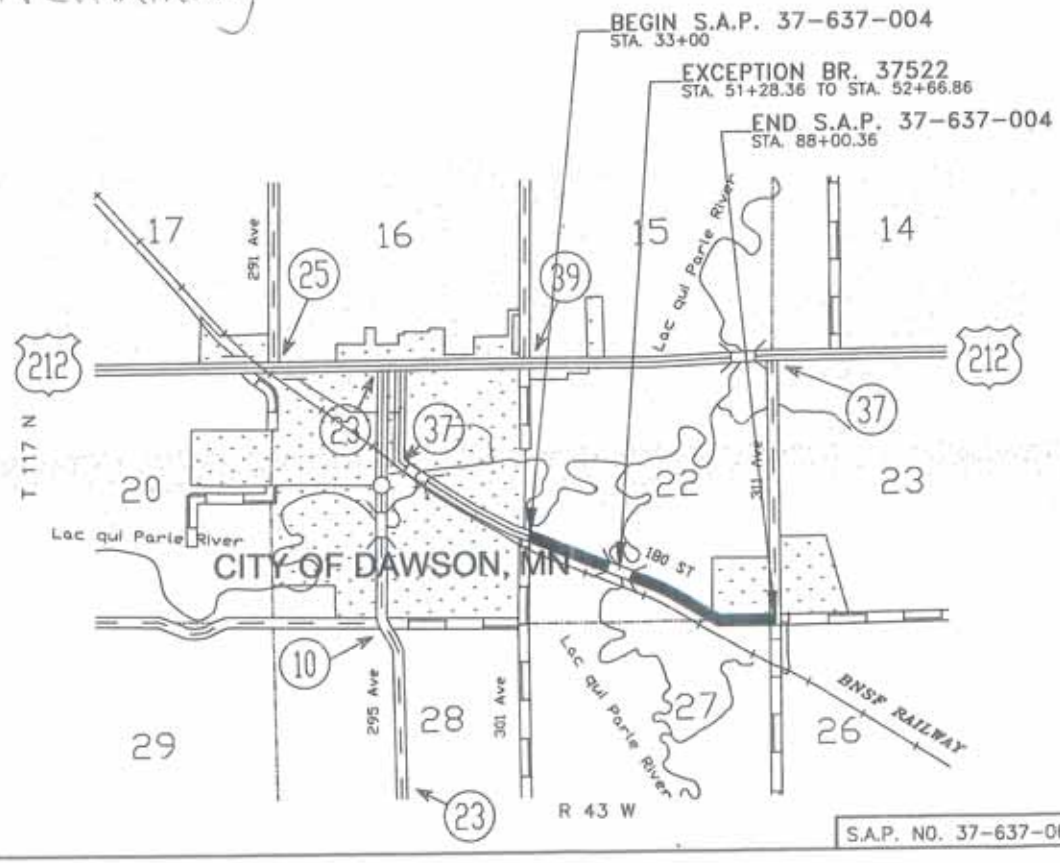
UTILITY SYMBOLS

POWER POLE
BURIED ELECTRIC CABLE
GAS MAIN
GAS VALVE
SANITARY SEWER
STORM SEWER
TELEPHONE PEDESTAL
BURIED TELEPHONE CABLE
FIRE HYDRANT
WATER MAIN
WATER VALVE
STREET LIGHT



SCALES .....

INDEX MAP	2640 FT.
PLAN	50 FT.
PROFILE	50 FT. HOR. / 5 FT. VER.
CROSS SECTIONS	10 FT. HOR. / 10 FT. VER.



GOVERNING SPECIFICATIONS

The 2014 Edition of the Minnesota Department of Transportation "Standard Specifications for Construction" and the 2014 Edition of the "Materials Lab Supplemental Specifications for Construction" shall govern.

INDEX OF SHEETS

1	TITLE SHEET
2	ESTIMATED QUANTITIES & STANDARD PLATES
3	TABLE OF QUANTITIES (STATION & LOCATION)
4	TYPICAL SECTION
5-7	DETAILS
8	EARTHWORK QUANTITIES
9	TRAFFIC CONTROL
10-17	EROSION CONTROL & SOIL TYPES
18-25	TEMPORARY & PERMANENT EROSION CONTROL
26	SWPPP INSPECTION AND MAINTENANCE LOG
27-34	PLAN & PROFILE
35-50	CROSS SECTIONS

DESIGN DESIGNATION

	CSAH 37
$\Sigma N18_{ed}$	69718
R VALUE	10
DESIGN TON	10 TON
DESIGN SPEED	45 m/h
SOIL FACTOR:	
SHOULDER WIDTH	4.5'

STOPPING & SIGHT DISTANCE BASED ON:
3.5 ft. Height of Eye
2 ft. Height of Object

LOCAL AGENCY SIGNATURES:

Signature:_____ SAMUEL A. MUNTEAN
Design Engineer: I hereby certify that this plan was prepared by me or under my direct supervision, and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
Date:_____ License number: 50479

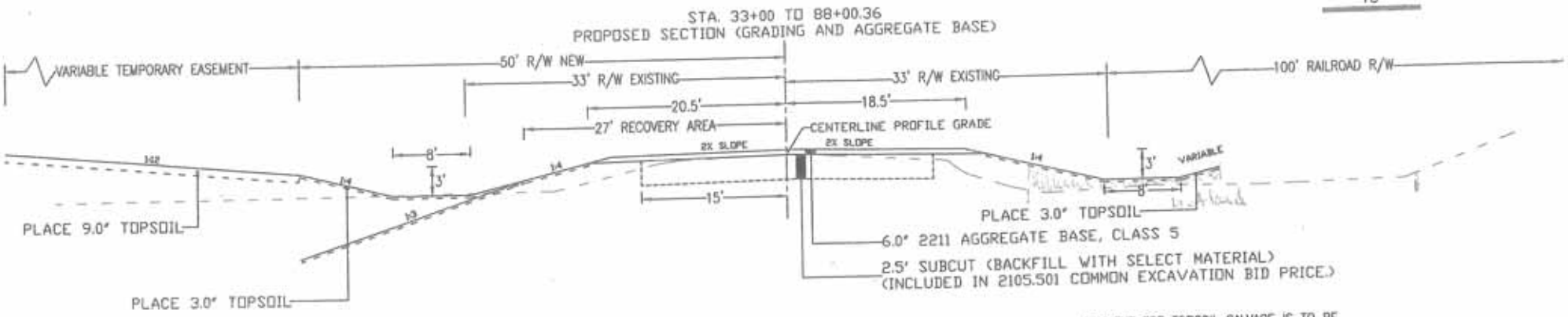
_____ Date:_____
Approved: County Engineer

STATE AID APPROVALS:

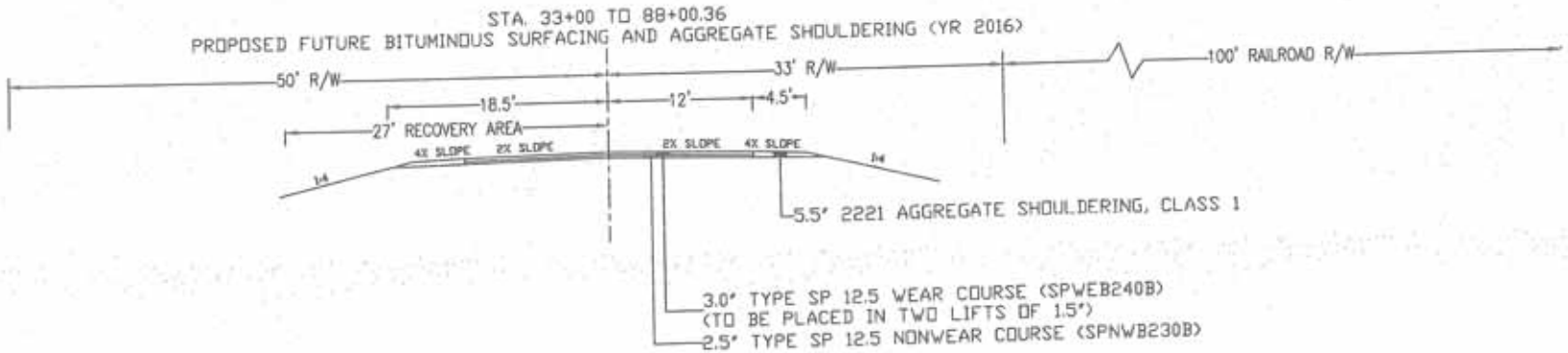
_____ Date:_____
District State Aid Engineer: Reviewed for Compliance with State-Aid Rules/Policy

_____ Date:_____
State Aid Engineer: Approved for State Aid Funding

S.A.P. NO. 37-637-004 CO. PROJ. 14:07 SHEET NO. 1 OF 50 SHEETS



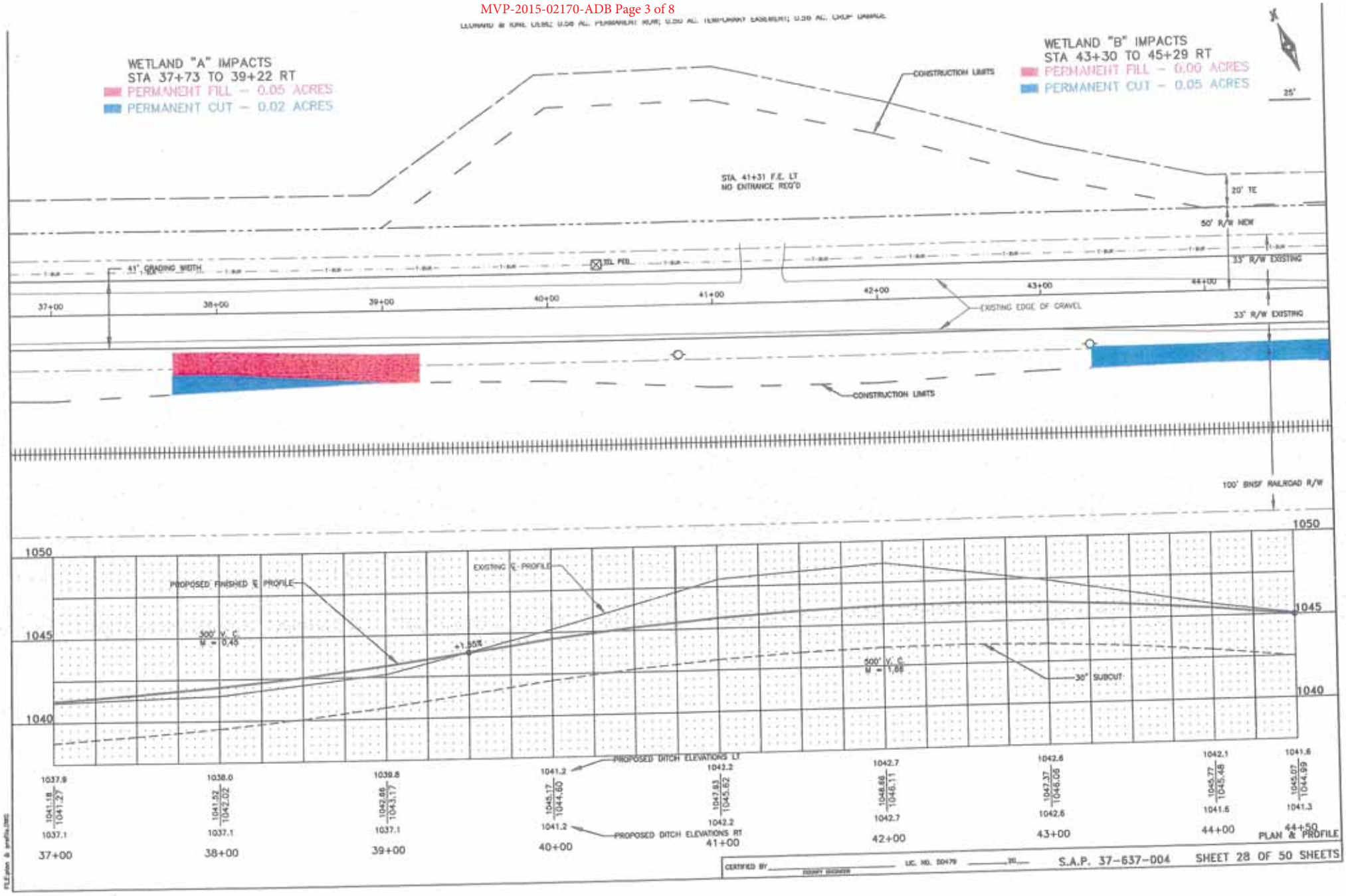
PAYMENT FOR TOPSOIL SALVAGE IS TO BE INCLUDED IN BID ITEM 2105.501 COMMON EXCAVATION. UNDERCUT SLOPES AND DITCH BOTTOMS TO PROVIDE COVERING AS SHOWN.

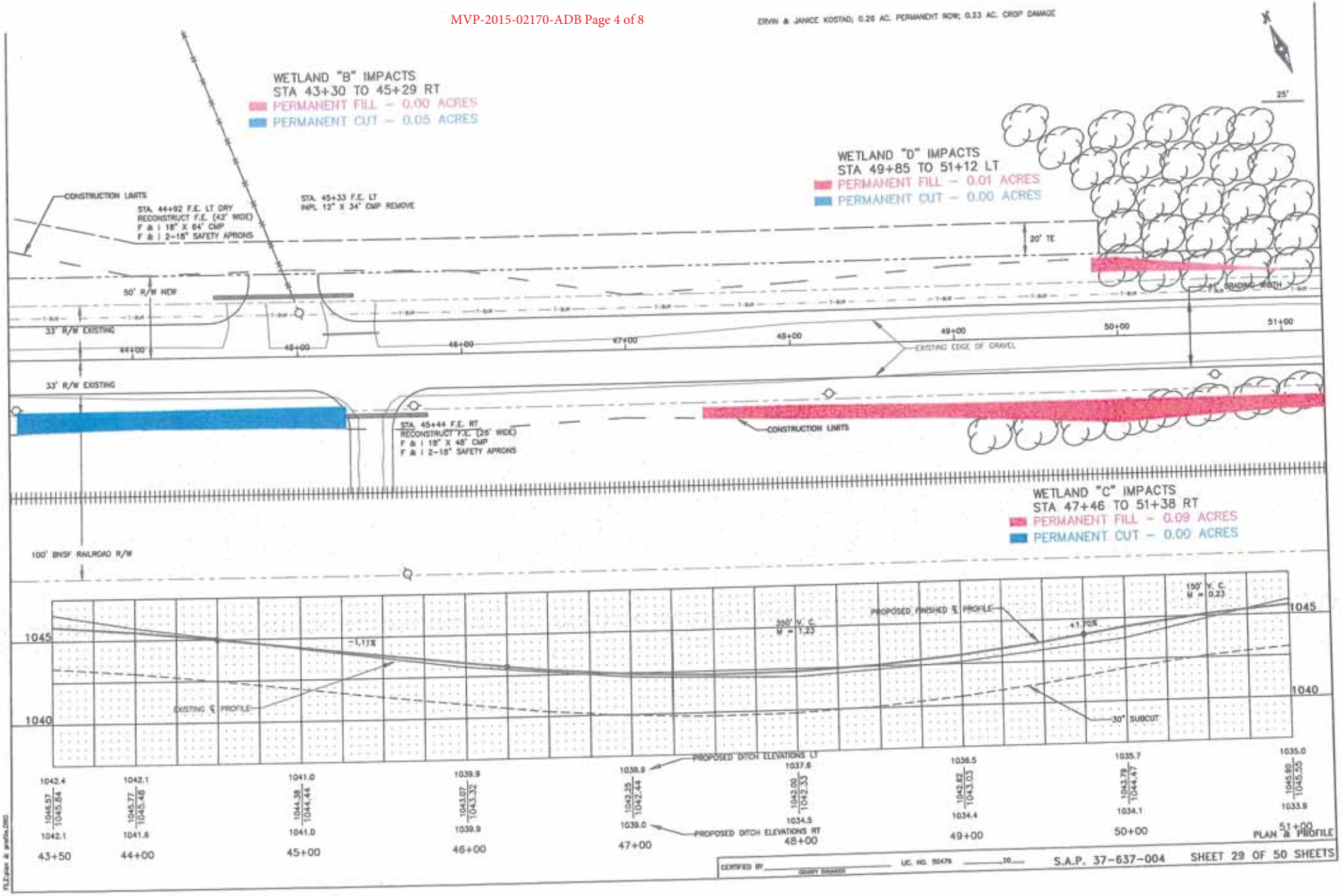


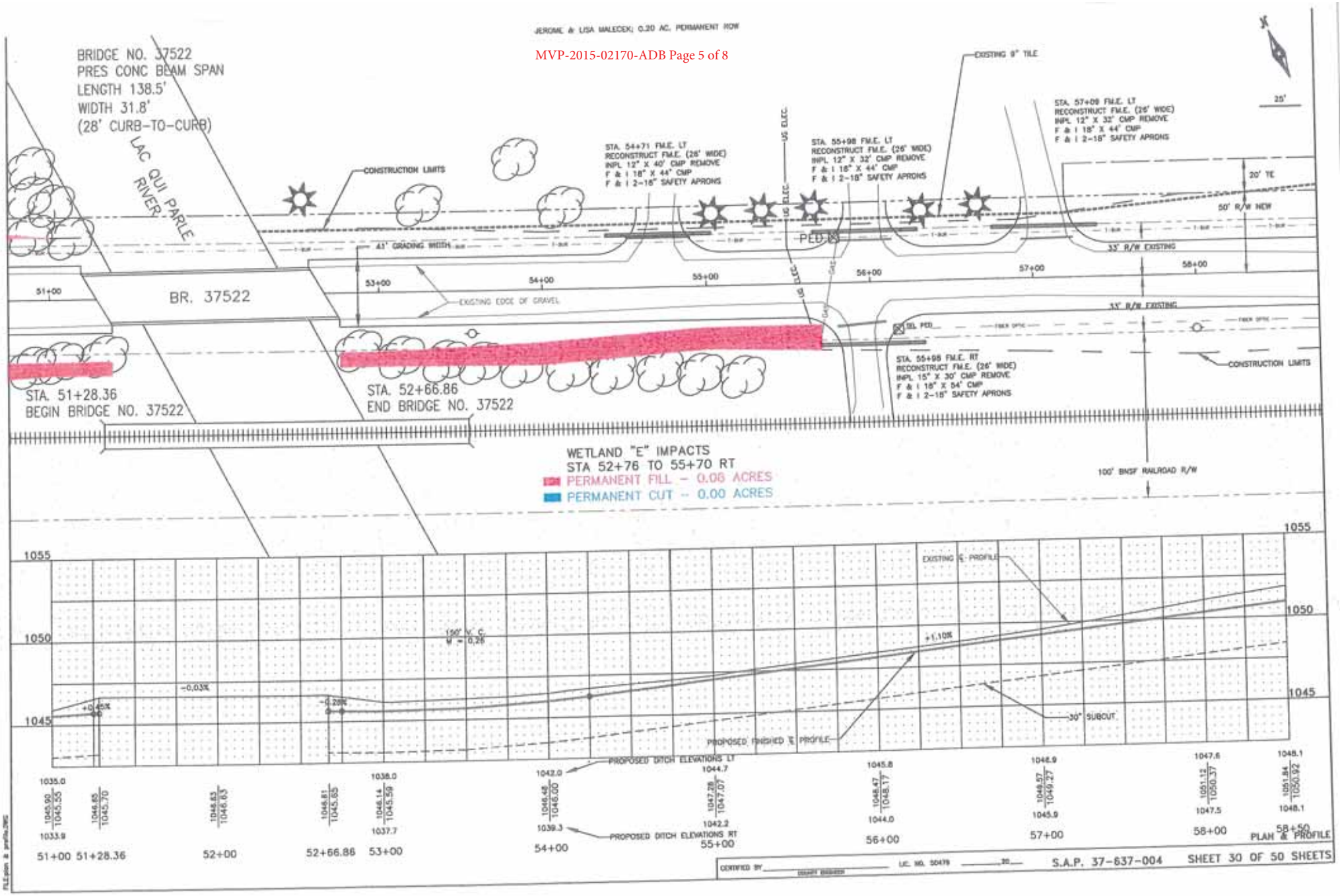
typical section.dwg

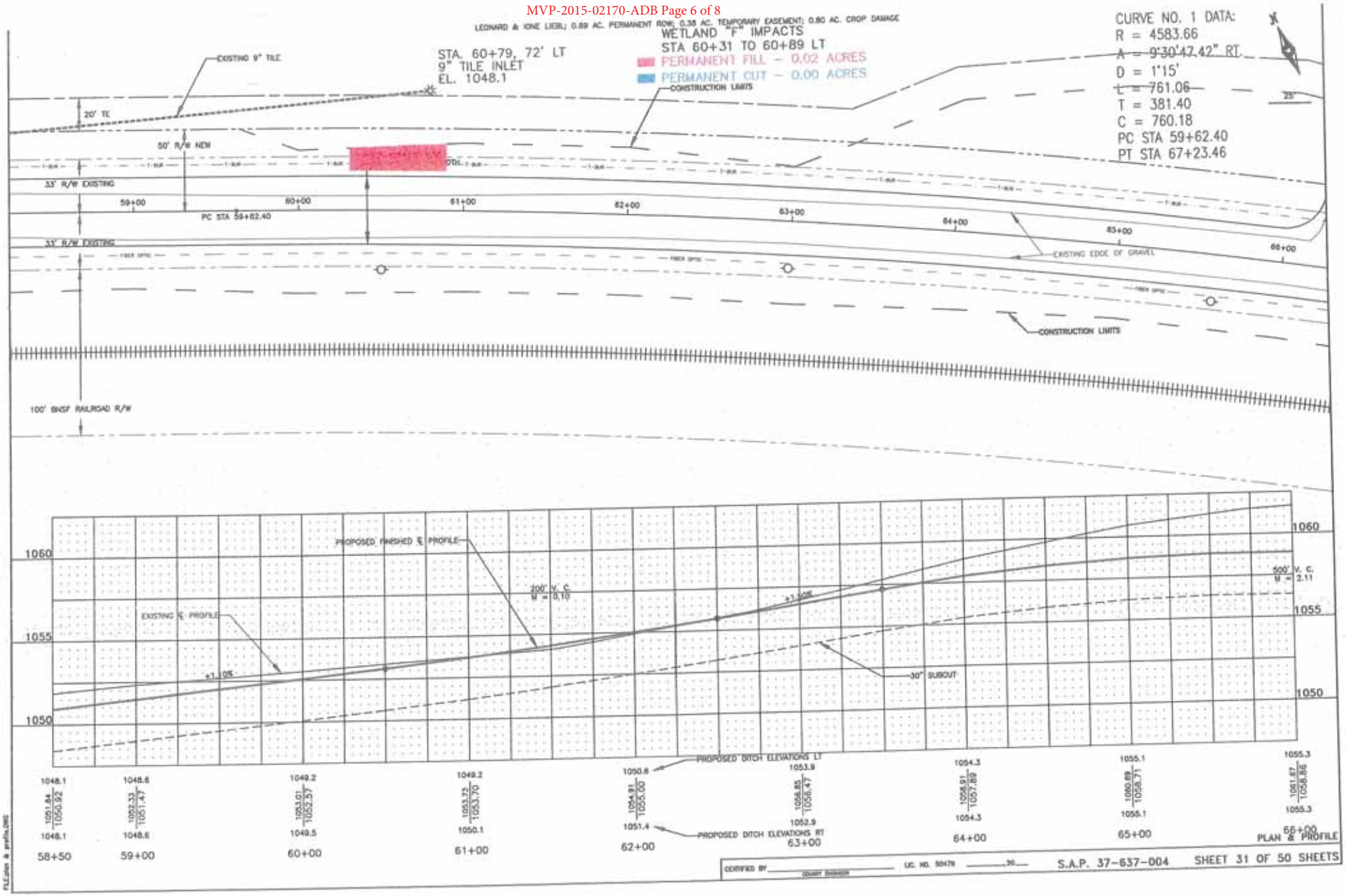
TYPICAL SECTION

CERTIFIED BY _____ LIC. NO. 50479 _____, 20__ S.A.P. 37-637-004, CO. PROJ. 14:07 | SHEET 4 OF 50 SHEETS

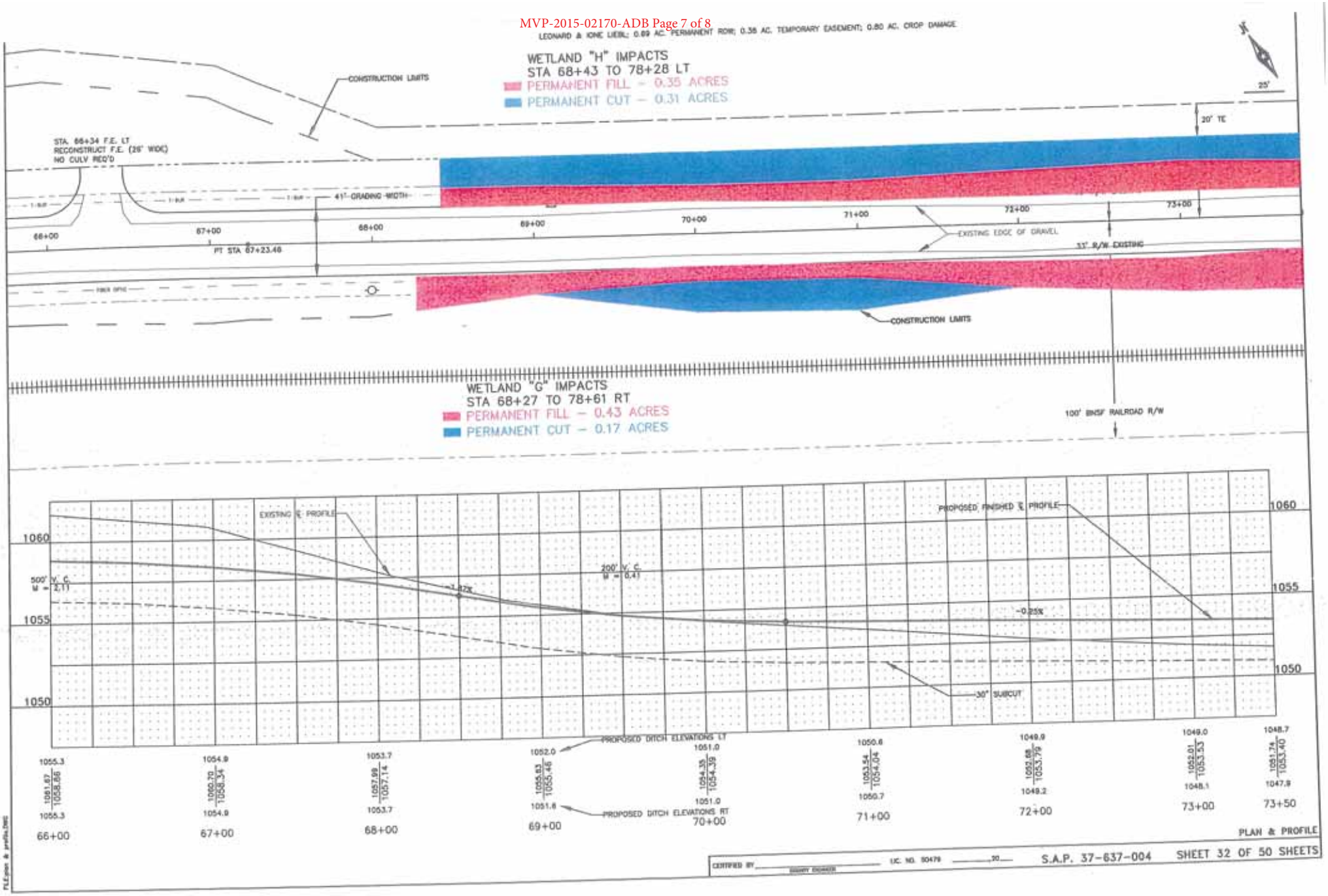

WETLAND "A" IMPACTS
STA 37+73 TO 39+22 RT
PERMANENT FILL – 0.05 ACRES
PERMANENT CUT – 0.02 ACRES
WETLAND "B" IMPACTS
STA 43+30 TO 45+29 RT
PERMANENT FILL – 0.00 ACRES
PERMANENT CUT – 0.05 ACRES
CONSTRUCTION LIMITS
STA 41+31 F.E. LT
NO ENTRANCE REQ'D
20' TE
50' R/W NEW
33' R/W EXISTING
41' GRADING WIDTH
EXISTING EDGE OF GRAVEL
100' BNSF RAILROAD R/W
37+00
38+00
39+00
40+00
41+00
42+00
43+00
44+00
1050
1045
1040
PROPOSED FINISHED ℄ PROFILE
EXISTING ℄ PROFILE
500' V.C.
K = 0.45
+1.55%
500' V.C.
K = 1.08
30" SUBCUT
PROPOSED DITCH ELEVATIONS LT
PROPOSED DITCH ELEVATIONS RT
1037.9 / 1041.18 / 1041.27 / 1037.1
1038.0 / 1041.52 / 1042.02 / 1037.1
1039.8 / 1042.86 / 1043.17 / 1037.1
1041.2 / 1045.17 / 1044.60 / 1041.2
1042.2 / 1047.83 / 1045.62 / 1042.2
1042.7 / 1048.88 / 1046.11 / 1042.7
1042.6 / 1047.37 / 1046.06 / 1042.6
1042.1 / 1045.77 / 1045.48 / 1041.6
1041.8 / 1045.07 / 1044.99 / 1041.3
37+00
38+00
39+00
40+00
41+00
42+00
43+00
44+00
44+50
PLAN & PROFILE
CERTIFIED BY
LIC. NO. 50479
S.A.P. 37-637-004
SHEET 28 OF 50 SHEETS

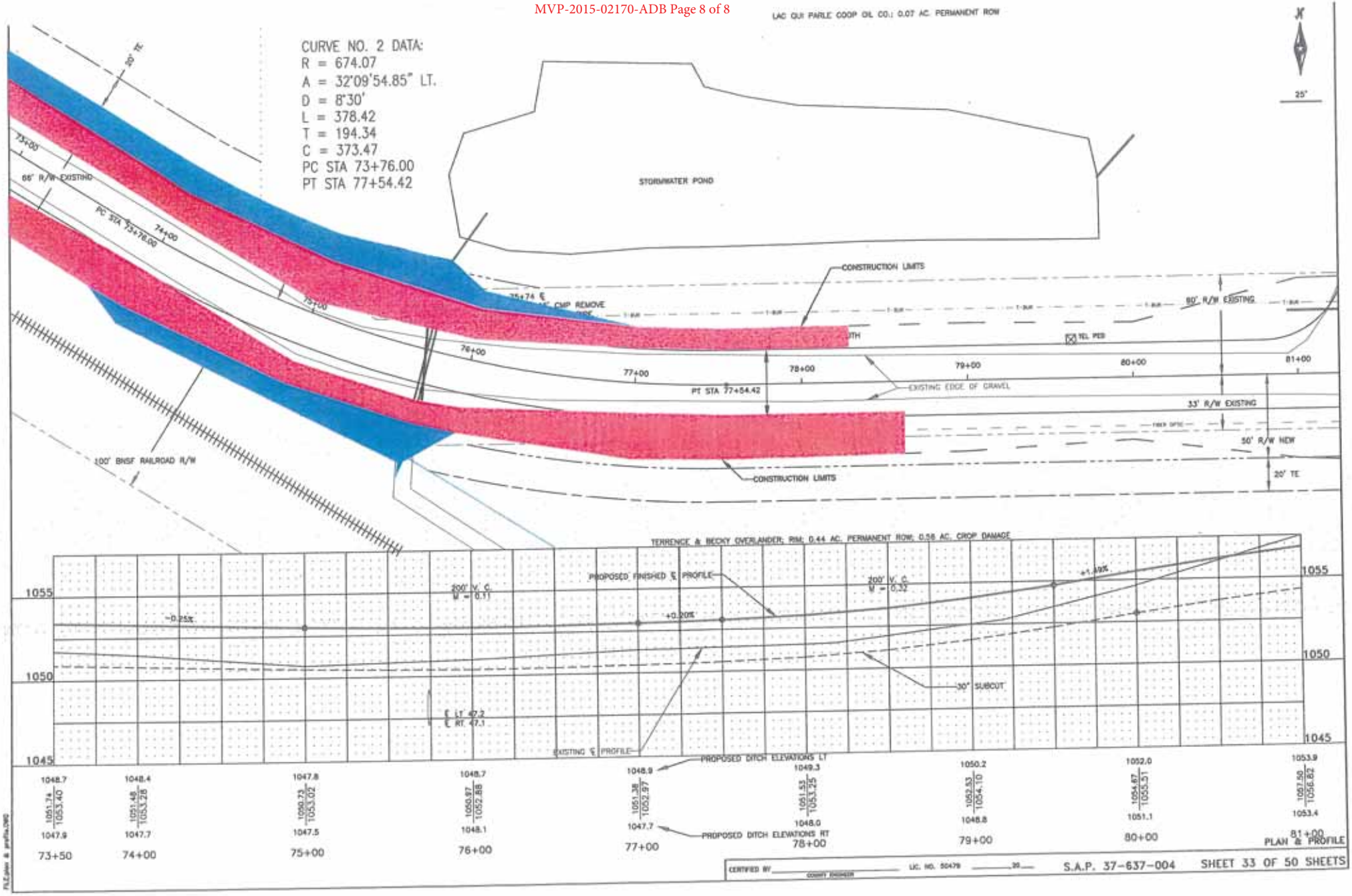

ERVIN & JANICE KOSTAD; 0.26 AC. PERMANENT ROW; 0.23 AC. CROP DAMAGE
WETLAND "B" IMPACTS
STA 43+30 TO 45+29 RT
PERMANENT FILL – 0.00 ACRES
PERMANENT CUT – 0.05 ACRES
WETLAND "D" IMPACTS
STA 49+85 TO 51+12 LT
PERMANENT FILL – 0.01 ACRES
PERMANENT CUT – 0.00 ACRES
CONSTRUCTION LIMITS
STA. 44+92 F.E. LT DRY
RECONSTRUCT F.E. (42' WIDE)
F & I 18" X 64' CMP
F & I 2-18" SAFETY APRONS
STA. 45+33 F.E. LT
INPL 12" X 34' CMP REMOVE
20' TE
50' R/W NEW
33' R/W EXISTING
44+00
45+00
46+00
47+00
48+00
49+00
50+00
51+00
EXISTING EDGE OF GRAVEL
33' R/W EXISTING
STA. 45+44 F.E. RT
RECONSTRUCT F.E. (26' WIDE)
F & I 18" X 48' CMP
F & I 2-18" SAFETY APRONS
CONSTRUCTION LIMITS
WETLAND "C" IMPACTS
STA 47+46 TO 51+38 RT
PERMANENT FILL – 0.09 ACRES
PERMANENT CUT – 0.00 ACRES
100' BNSF RAILROAD R/W
1045
1040
-1.11%
350' V. C.
M = 1.23
PROPOSED FINISHED ℄ PROFILE
+1.70%
150' V. C.
M = 0.23
EXISTING ℄ PROFILE
30" SUBCUT
PROPOSED DITCH ELEVATIONS LT
PROPOSED DITCH ELEVATIONS RT
1042.4
1046.57
1045.84
1042.1
43+50
1042.1
1045.77
1045.48
1041.6
44+00
1041.0
1044.38
1044.44
1041.0
45+00
1039.9
1043.07
1043.32
1039.9
46+00
1038.9
1042.25
1042.44
1039.0
47+00
1037.6
1043.00
1042.33
1034.5
48+00
1036.5
1042.62
1043.03
1034.4
49+00
1035.7
1043.79
1044.47
1034.1
50+00
1035.0
1045.90
1045.55
1033.9
51+00
PLAN & PROFILE
CERTIFIED BY
COUNTY ENGINEER
LIC. NO. 50479
S.A.P. 37-637-004
SHEET 29 OF 50 SHEETS


JEROME & LISA MALECEK; 0.20 AC. PERMANENT ROW
BRIDGE NO. 37522
PRES CONC BEAM SPAN
LENGTH 138.5'
WIDTH 31.8'
(28' CURB-TO-CURB)
LAC QUI PARLE RIVER
CONSTRUCTION LIMITS
STA. 54+71 FM.E. LT
RECONSTRUCT FM.E. (26' WIDE)
INPL 12" X 40' CMP REMOVE
F & I 18" X 44' CMP
F & I 2-18" SAFETY APRONS
UG ELEC.
STA. 55+98 FM.E. LT
RECONSTRUCT FM.E. (26' WIDE)
INPL 12" X 32' CMP REMOVE
F & I 18" X 44' CMP
F & I 2-18" SAFETY APRONS
EXISTING 9" TILE
STA. 57+09 FM.E. LT
RECONSTRUCT FM.E. (26' WIDE)
INPL 12" X 32' CMP REMOVE
F & I 18" X 44' CMP
F & I 2-18" SAFETY APRONS
25'
20' TE
50' R/W NEW
33' R/W EXISTING
41' GRADING WIDTH
PED
51+00
53+00
54+00
55+00
56+00
57+00
58+00
BR. 37522
EXISTING EDGE OF GRAVEL
GAS
TEL PED
FIBER OPTIC
STA. 55+98 FM.E. RT
RECONSTRUCT FM.E. (26' WIDE)
INPL 15" X 30' CMP REMOVE
F & I 18" X 54' CMP
F & I 2-18" SAFETY APRONS
CONSTRUCTION LIMITS
STA. 51+28.36
BEGIN BRIDGE NO. 37522
STA. 52+66.86
END BRIDGE NO. 37522
WETLAND "E" IMPACTS
STA 52+76 TO 55+70 RT
PERMANENT FILL - 0.06 ACRES
PERMANENT CUT - 0.00 ACRES
100' BNSF RAILROAD R/W
1055
1050
1045
EXISTING ℄ PROFILE
150' V.C.
K = 0.26
+1.10%
-0.03%
+0.45%
-0.28%
30" SUBCUT
PROPOSED FINISHED ℄ PROFILE
PROPOSED DITCH ELEVATIONS LT
PROPOSED DITCH ELEVATIONS RT
1035.0
1045.90 / 1045.55
1033.9
1046.85 / 1045.70
1046.83 / 1046.63
1046.81 / 1045.65
1038.0
1046.14 / 1045.59
1037.7
1042.0
1046.48 / 1046.00
1039.3
1044.7
1047.28 / 1047.07
1042.2
1045.8
1048.47 / 1048.17
1044.0
1046.9
1048.57 / 1049.27
1045.9
1047.6
1051.12 / 1050.37
1047.5
1048.1
1051.84 / 1050.92
1048.1
51+00
51+28.36
52+00
52+66.86
53+00
54+00
55+00
56+00
57+00
58+00
58+50
PLAN & PROFILE
CERTIFIED BY
DRAFT DESIGNER
LIC. NO. 50479
S.A.P. 37-637-004
SHEET 30 OF 50 SHEETS


LEONARD & IONE LIEBL; 0.69 AC. PERMANENT ROW; 0.38 AC. TEMPORARY EASEMENT; 0.80 AC. CROP DAMAGE
WETLAND "F" IMPACTS
STA 60+31 TO 60+89 LT
PERMANENT FILL - 0.02 ACRES
PERMANENT CUT - 0.00 ACRES
STA. 60+79, 72' LT
9" TILE INLET
EL. 1048.1
EXISTING 9" TILE
CONSTRUCTION LIMITS
CURVE NO. 1 DATA:
R = 4583.66
Δ = 9°30'47.42" RT.
D = 1°15'
L = 761.06
T = 381.40
C = 760.18
PC STA 59+62.40
PT STA 67+23.46
20' TE
50' R/W NEW
33' R/W EXISTING
PC STA 59+62.40
EXISTING EDGE OF GRAVEL
CONSTRUCTION LIMITS
100' BNSF RAILROAD R/W
PROPOSED FINISHED ℄ PROFILE
EXISTING ℄ PROFILE
200' V. C.
M = 0.10
500' V. C.
M = 2.11
+1.10%
+1.50%
30" SUBCUT
PROPOSED DITCH ELEVATIONS LT
PROPOSED DITCH ELEVATIONS RT
58+50
59+00
60+00
61+00
62+00
63+00
64+00
65+00
66+00
PLAN & PROFILE
CERTIFIED BY
COUNTY ENGINEER
LIC. NO. 50478
S.A.P. 37-637-004
SHEET 31 OF 50 SHEETS

LEONARD & KONE LIEBL: 0.89 AC. PERMANENT ROW; 0.38 AC. TEMPORARY EASEMENT; 0.80 AC. CROP DAMAGE




LAC QUI PARLE COOP OIL CO.: 0.07 AC. PERMANENT ROW
CURVE NO. 2 DATA:
R = 674.07
A = 32°09'54.85" LT.
D = 8°30'
L = 378.42
T = 194.34
C = 373.47
PC STA 73+76.00
PT STA 77+54.42
STORMWATER POND
20' TE
73+00
66' R/W EXISTING
PC STA 73+76.00
74+00
75+00
76+00
77+00
78+00
79+00
80+00
81+00
PT STA 77+54.42
CONSTRUCTION LIMITS
80' R/W EXISTING
EXISTING EDGE OF GRAVEL
33' R/W EXISTING
50' R/W NEW
20' TE
100' BNSF RAILROAD R/W
TERRENCE & BECKY OVERLANDER: RIM: 0.44 AC. PERMANENT ROW, 0.56 AC. CROP DAMAGE
PROPOSED FINISHED ℄ PROFILE
200' V. C.
K = 0.11
200' V. C.
K = 0.32
-0.25%
+0.20%
+1.19%
30" SUBCUT
℄ LT 47.2
℄ RT 47.1
EXISTING ℄ PROFILE
PROPOSED DITCH ELEVATIONS LT
PROPOSED DITCH ELEVATIONS RT
1055
1050
1045
1048.7 1051.74 1053.40 1047.9 73+50
1048.4 1051.48 1053.28 1047.7 74+00
1047.8 1050.73 1053.02 1047.5 75+00
1048.7 1050.87 1052.88 1048.1 76+00
1048.9 1051.38 1052.97 1047.7 77+00
1049.3 1051.53 1053.25 1048.0 78+00
1050.2 1052.53 1054.10 1048.8 79+00
1052.0 1054.67 1055.51 1051.1 80+00
1053.9 1057.50 1056.82 1053.4 81+00
PLAN & PROFILE
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COUNTY ENGINEER
LIC. NO. 50479
S.A.P. 37-637-004
SHEET 33 OF 50 SHEETS