Information for File #2012-03357-RMM

Applicant: Dakota County

Corps Contact: Ryan Malterud

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

E-Mail: Ryan.M.Malterud@usace.army.mil

Phone: (651) 290-5286

Primary County: Dakota

Section: 22, 23, and 24

Township: 114 North

Range: 20 West

Information Complete On: December 22, 2014

Posting Expires On: January 2, 2014

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 will be posted on the St. Paul District web page at http://www.mvp.usace.army.mil/.

Project Purpose (as stated by the applicant): Dakota County and the City of Farmington are planning safety improvements to County State Aid Highway (CSAH) 64 (195th Street). Several schools and residential areas are adjacent to CSAH 64 and there are no pedestrian trials west of Meadowview Elementary School. There are also 9 intersections along this stretch of CSAH 64 and only three of them have right and left turn lanes. There are two intersections with no turn lanes and three with just left turn lanes. The proposed project will maintain a two lane road with 12 foot wide lanes. All intersections will be improved for safety by creating turn lanes for left and right turns or

creating roundabout. There will be three intersections with roundabout and six will have left and right turn lanes.

Project Description: The project involves the re-construction of approximately 2 miles of CSAH 64 from Flagstaff Avenue to Diamond Path. CSAH 64 will be reconstructed. Nine intersections will be upgraded, 6 will have left and right turn lanes while 3 will be reconstructed to roundabouts. Currently, shoulders of the road range from a width of 0 to 8 feet and are gravel. All proposed shoulders will be paved and be 8 feet wide. Pedestrian trails will also be constructed on either side of CSAH 64. In addition, a pedestrian underpass will be constructed at the Meadowview Elementary School.

Name, Area and Types of Waters (Including Wetlands) Subject to Loss: According to the applicant the proposed project will permanently impact 0.64 acre of wet meadow (Type 2) wetland community. In addition, 175 linear feet of an unnamed tributary and 15 linear feet of a ditch will be permanently impacted as a result of the proposed project.

Compensatory Mitigation: The applicant has proposed to mitigate for unavoidable wetland impacts by utilizing wetland bank credits at a 2:1 ratio.

Drawings: Please see attached figures labeled MVP-2012-03557-RMM Page 1 of 12 through Page 12 of 12.

PROJECT LOCATION

N

0 800 1600

PROJECT AREA

FARMINGTON, MINNESOTA

CSAH 64 RECONSTRUCTION

FIGURE 2

Date: OCT 2014 PROJ. NO.: 193802751

2335 High
St. Paul, MN 55113
www.stantec.com

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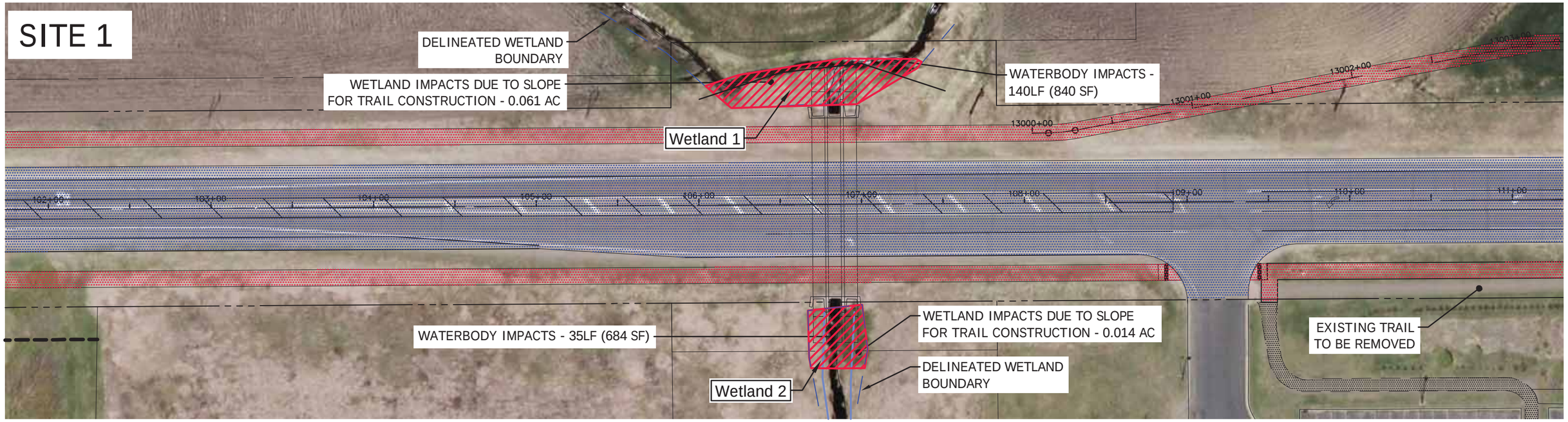
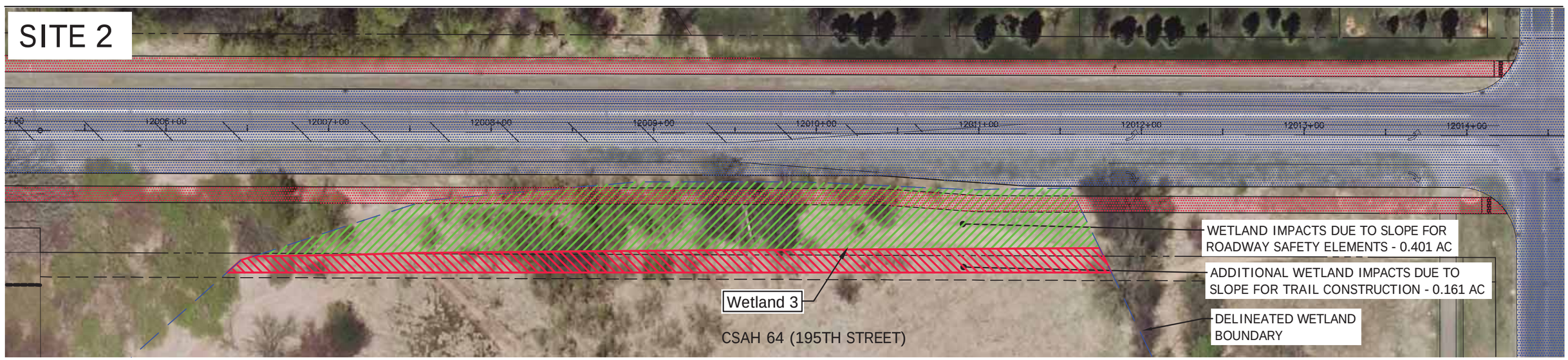
lot Date: 10/17/2014 - 7:51am
rawing name: V:\1938\active\193802751\Permits\Figure 2 - Project Area.dwg
refs.: 0422





PROPOSED ROAD

PROPOSED TRAIL

0 30 60

N

PROPOSED WETLAND IMPACTS

FARMINGTON, MINNESOTA

CSAH 64 RECONSTRUCTION

FIGURE 3

Date: DEC 2014 PROJ. NO.: 193802751

2335
St. Paul, MN 55113
www.stantec.com

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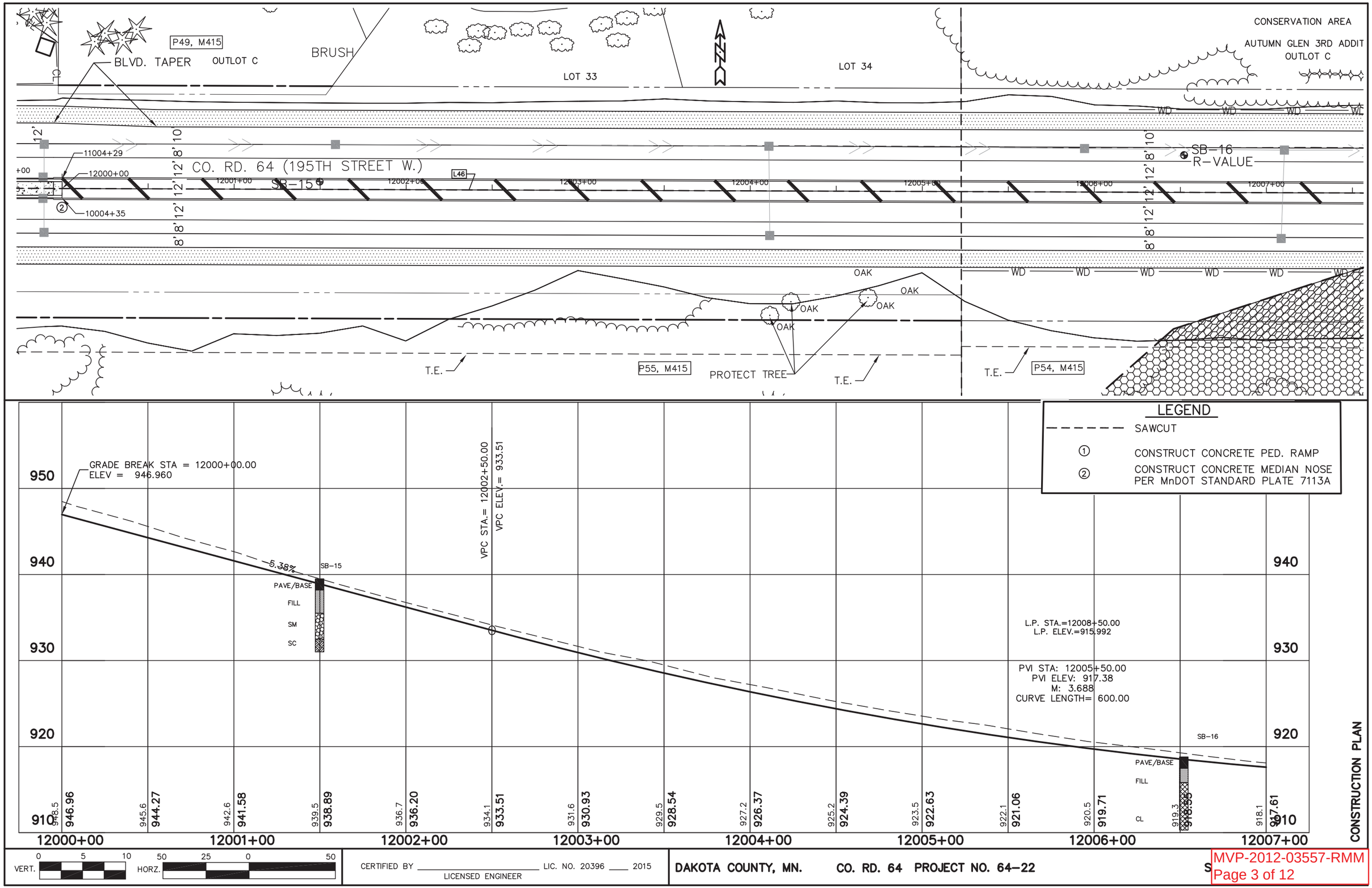
lot Date: 12/22/2014 - 2:25pm
rawing name: V:\1938\active\193802751\Permits\Wetland Permits\figures\figure 3 - Site Map.dwg
ets:, 6422, 6422-AL, 193802751_WETLANDS, 6422 CONST UMTS

ATTACHMENT B



See sheets 263-267 for cross sections

CONSERVATION AREA

AUTUMN GLEN 3RD ADDITION
OUTLOT C

LOT 6

AUTUMN GLEN 3RD ADDITION
BLOCK 3
LOT 5

LOT 4

LOT 3

LOT 2

LOT 1

STA. 12014+52
STREET ENT. LT
36' BIT.

WD

SB-16
R-VALUE

8' Shoulder

CO. RD. 64 (195TH STREET W.)

12007+00 12008+00 12009+00 12010+00 12011+00 12012+00 12013+00 12014+00

SB-17

8' 8' 12' 12' 12' 8' 10'

14' 12' 12' 12' 8' 10'

8' Shoulder

Edge of proposed road

INSTALL SIGN &
LANDSCAPE ROCK

10' Trail

T.E.

MATCH EXISTING
CURB & GUTTER

Site 2 - Wetland 3

BRUSH

P54, M415

STA. 12014+48
STREET ENT. RT
32' BIT.

TRAIL

LEGEND

- WETLAND DELINEATED
- WETLAND IMPACTED
- SAWCUT
- ① CONSTRUCT CONCRETE PED. RAMP
- ② CONSTRUCT CONCRETE MEDIAN NOSE PER MnDOT STANDARD PLATE 7113A

930
920
910
900

VPT ELEV.= 915.99
VPT STA.= 12008+50.00

SB-17
PAVE/BASE
SM
ML

-0.46%

919.3 918.55 918.1 917.61 917.3 916.86 916.6 916.32 916.3 915.99 916.3 915.76 916.0 915.53 915.7 915.30 915.5 915.07 915.3 914.84 915.1 914.61 914.8 914.38 914.7 914.15 914.4 913.92 914.1 913.69

12006+50 12007+00 12008+00 12009+00 12010+00 12011+00 12012+00 12013+00 12013+50

CONSTRUCTION PLAN

VERT. 0 5 10 HORZ. 50 25 0 50

CERTIFIED BY _____ LIC. NO. 20396 ____ 2015
LICENSED ENGINEER

DAKOTA COUNTY, MN. CO. RD. 64 PROJECT NO. 64-22

SEE BRIDGE CONSTRUCTION PLANS FOR CULVERT EXTENSION

STA. 13000+00
BEGIN ALIGNMENT
S.A.P. 019-664-XXX
S.A.P. XXX-XXX-XXX

NEW R/W
P2, M415

CONST. LIMITS

Site 1 - Wetland 1

916.7
920.6
920.8

See Sheets 217-218 for Cross Sections

8' Shoulder

STA. 112+55
FARM PED. CROSSING (BOX CULVERT)
14' F & I-14' X 10' X 124' BOX CULVERT

939.00
10' BIT. TRAIL
938.00

CO. RD. 64 (195TH STREET W.)

SB-3

35' RAD.

Site 1 - Wetland 2

920.2
920.1
916.1

OUTLOT A
SCHOOLHOUSE ADDITION
D & U EASEMENT OVER
ALL OF OUTLOT A
P60, M415

D & U EASEMENT

Proposed 10 Trail

Invert Elevations - Box Culverts

STA. 109+19
COMM'L ENT. RT
36' BIT.
INP. 18" X 116' RCP

LIGHT POLE TO BE RE-LOCATED BY CONTRACTOR
VERIFY LOCATION WITH ENGINEER IN THE FIELD.

MATCH EXISTING TRAIL

933.00
10' BIT. TRAIL
930.80

CONST. LIMITS
P59, M415

NOTE 5

LEGEND

- BITUMINOUS WIDENING
- WETLAND DELINEATED
- SAWCUT
- ① CONSTRUCT CONCRETE PED. RAMP
- ② CONSTRUCT CONCRETE MEDIAN NOSE PER MnDOT STANDARD PLATE 7113A

L.P. STA.=104+38.44
L.P. ELEV.=925.982

PVI STA: 106+25.00
PVI ELEV: 921.40
M: 6.089
CURVE LENGTH= 750.00

VPT ELEV.= 939.64
VPT STA.= 110+00.00
SB-03

PAVE/BASE
SM
ML
SM

+4.86%

VPC STA.= 113+25.00
VPC ELEV.= 955.44

940 930 920

927.2 927.11 927.9 927.92 928.9 928.94 930.2 930.19 931.4 931.64 933.0 933.32 934.8 935.21 937.0 937.31 939.3 939.64 941.8 942.07 944.3 944.50 947.2 946.93 949.8 949.36 952.3 951.80 954.5 954.23 955.9 955.69

950 940 930 920

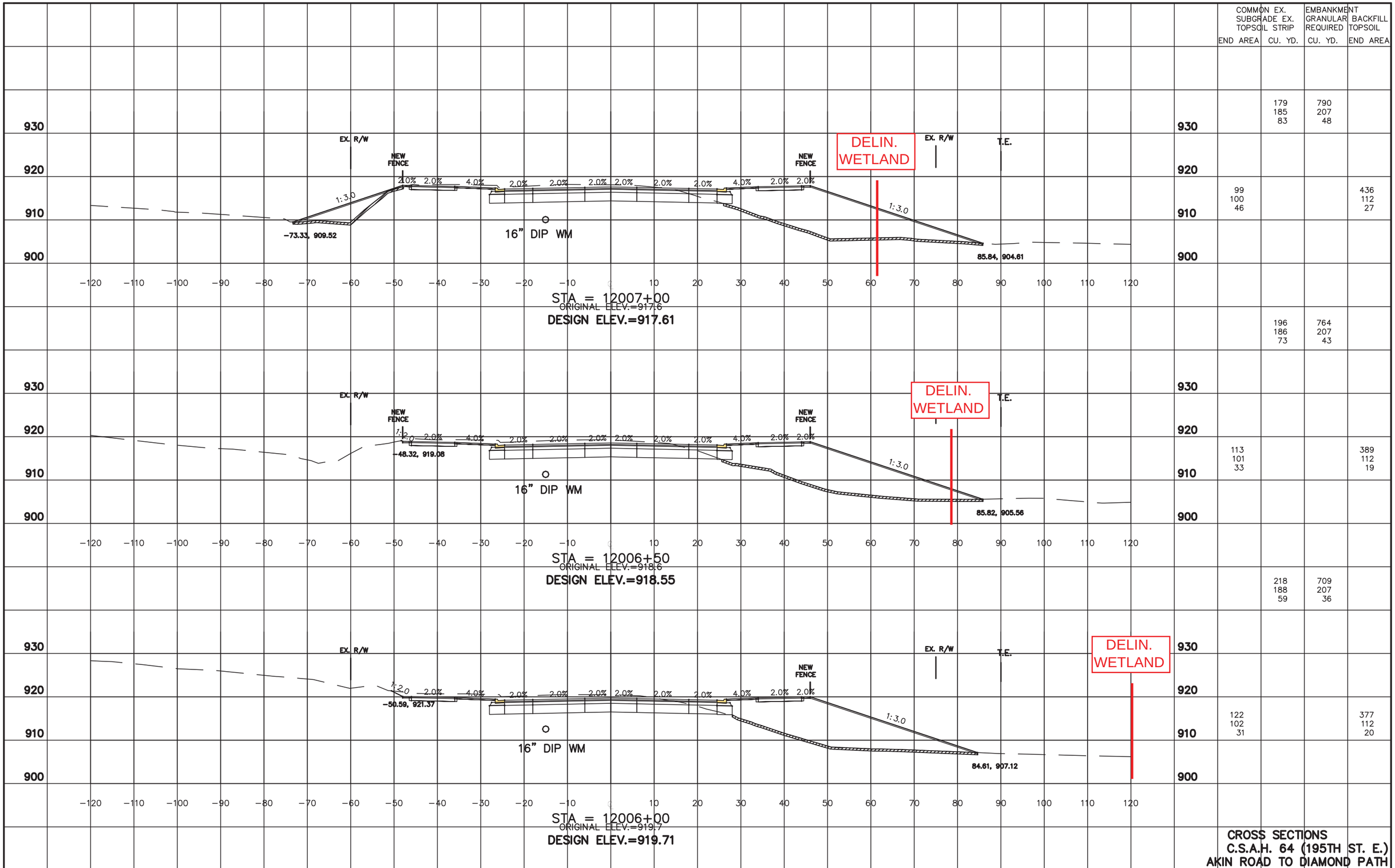
106+00 107+00 108+00 109+00 110+00 111+00 112+00 113+00 113+30

CONSTRUCTION PLAN

VERT. 0 5 10 HORZ. 50 25 0 50

CERTIFIED BY _____ LICENSED ENGINEER LIC. NO. 20396 ____ 2015

DAKOTA COUNTY, MN. CO. RD. 64 PROJECT NO. 64-22

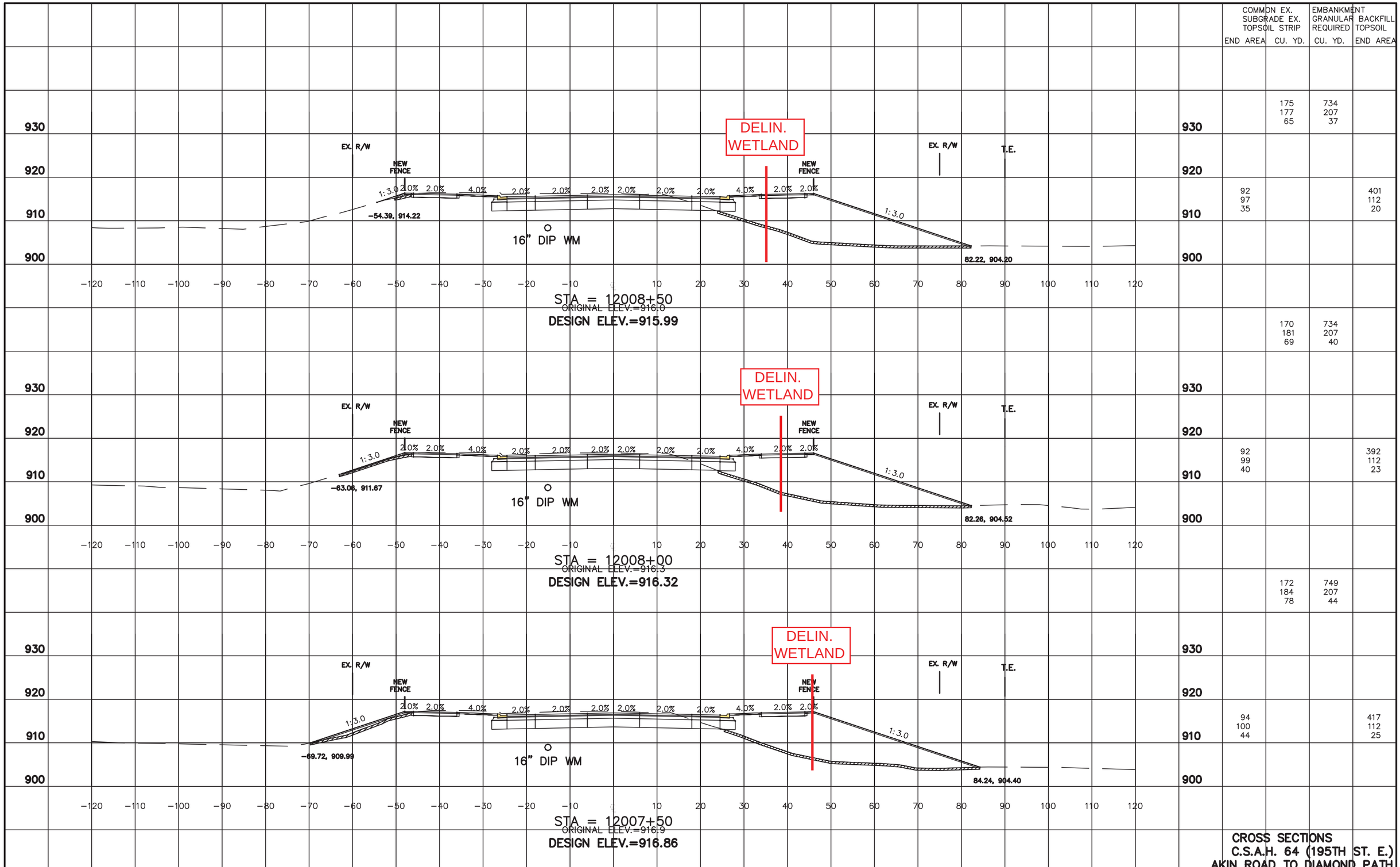


	COMMON EX. SUBGRADE EX. TOPSOIL STRIP		EMBANKMENT GRANULAR REQUIRED	BACKFILL TOPSOIL
	END AREA	CU. YD.	CU. YD.	END AREA
930		179 185 83	790 207 48	
920				
910	99 100 46			436 112 27
900				
		196 186 73	764 207 43	
930				
920				
910	113 101 33			389 112 19
900				
		218 188 59	709 207 36	
930				
920				
910	122 102 31			377 112 20
900				

CROSS SECTIONS
C.S.A.H. 64 (195TH ST. E.)
AKIN ROAD TO DIAMOND PATH

DAKOTA COUNTY MN. PROJECT NO. 64–22 C.S.A.H 64 S.P. XXX–XXX–XXX SHEET

	COMMON EX. SUBGRADE EX. TOPSOIL STRIP END AREA	COMMON EX. SUBGRADE EX. TOPSOIL STRIP CU. YD.	EMBANKMENT GRANULAR BACKFILL REQUIRED CU. YD.	EMBANKMENT GRANULAR BACKFILL TOPSOIL END AREA
		175 177 65	734 207 37	
	92 97 35			401 112 20
		170 181 69	734 207 40	
	92 99 40			392 112 23
		172 184 78	749 207 44	
	94 100 44			417 112 25



CROSS SECTIONS
C.S.A.H. 64 (195TH ST. E.)
AKIN ROAD TO DIAMOND PATH

VERT. 10 0 10 HORZ. 10 0 10

DAKOTA COUNTY MN. PROJECT NO. 64-22 C.S.A.H 64 S.P. XXX-XXX-XXX SHEET

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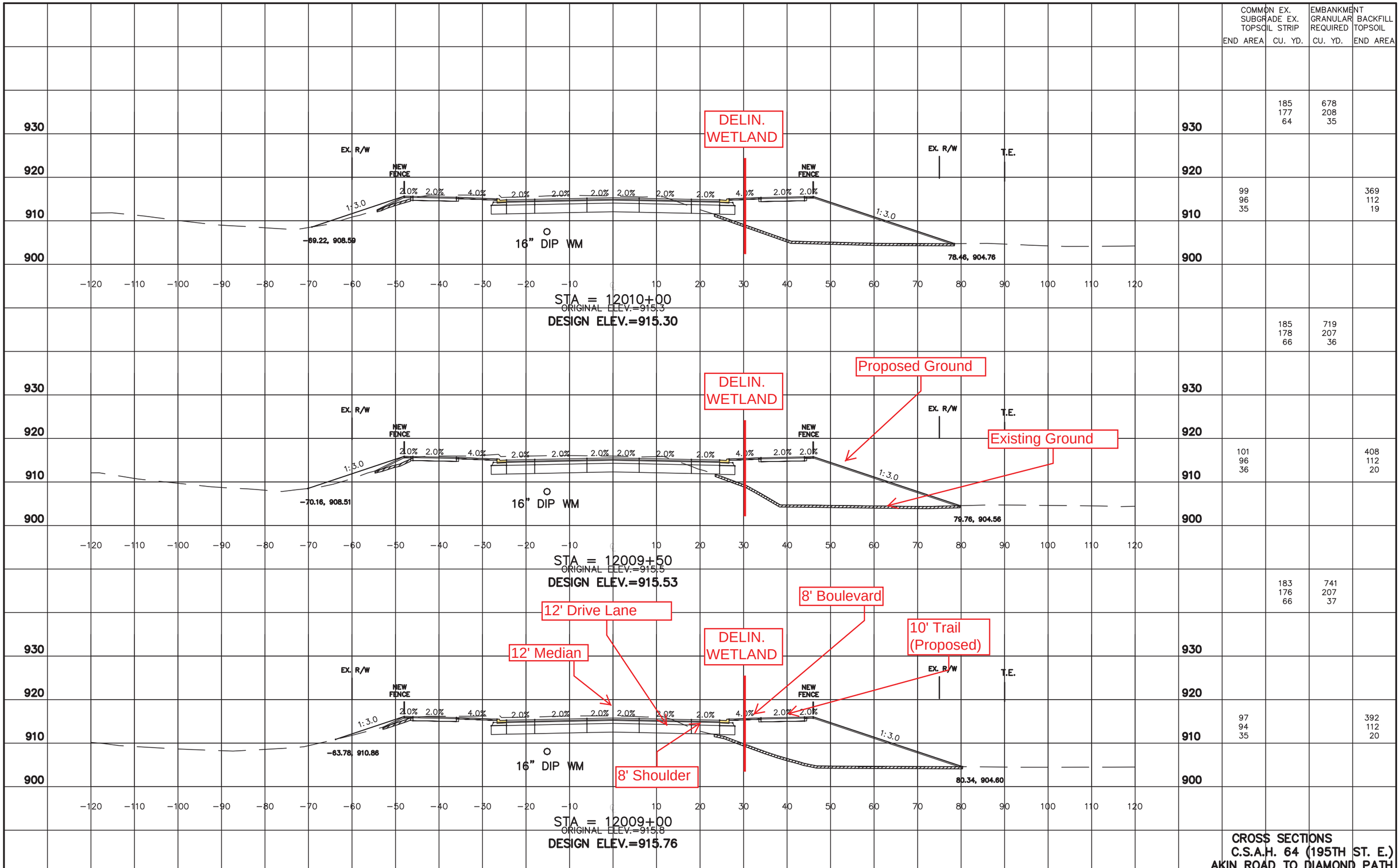

	COMMON EX. SUBGRADE EX. TOPSOIL STRIP END AREA	COMMON EX. SUBGRADE EX. TOPSOIL STRIP CU. YD.	EMBANKMENT GRANULAR BACKFILL REQUIRED CU. YD.	EMBANKMENT GRANULAR BACKFILL TOPSOIL END AREA
		185 177 64	678 208 35	
	99 96 35			369 112 19
		185 178 66	719 207 36	
	101 96 36			408 112 20
		183 176 66	741 207 37	
	97 94 35			392 112 20

CROSS SECTIONS
C.S.A.H. 64 (195TH ST. E.)
AKIN ROAD TO DIAMOND PATH

VERT. 10 0 10 HORZ. 10 0 10

DAKOTA COUNTY MN. PROJECT NO. 64-22 C.S.A.H 64 S.P. XXX-XXX-XXX SHEET

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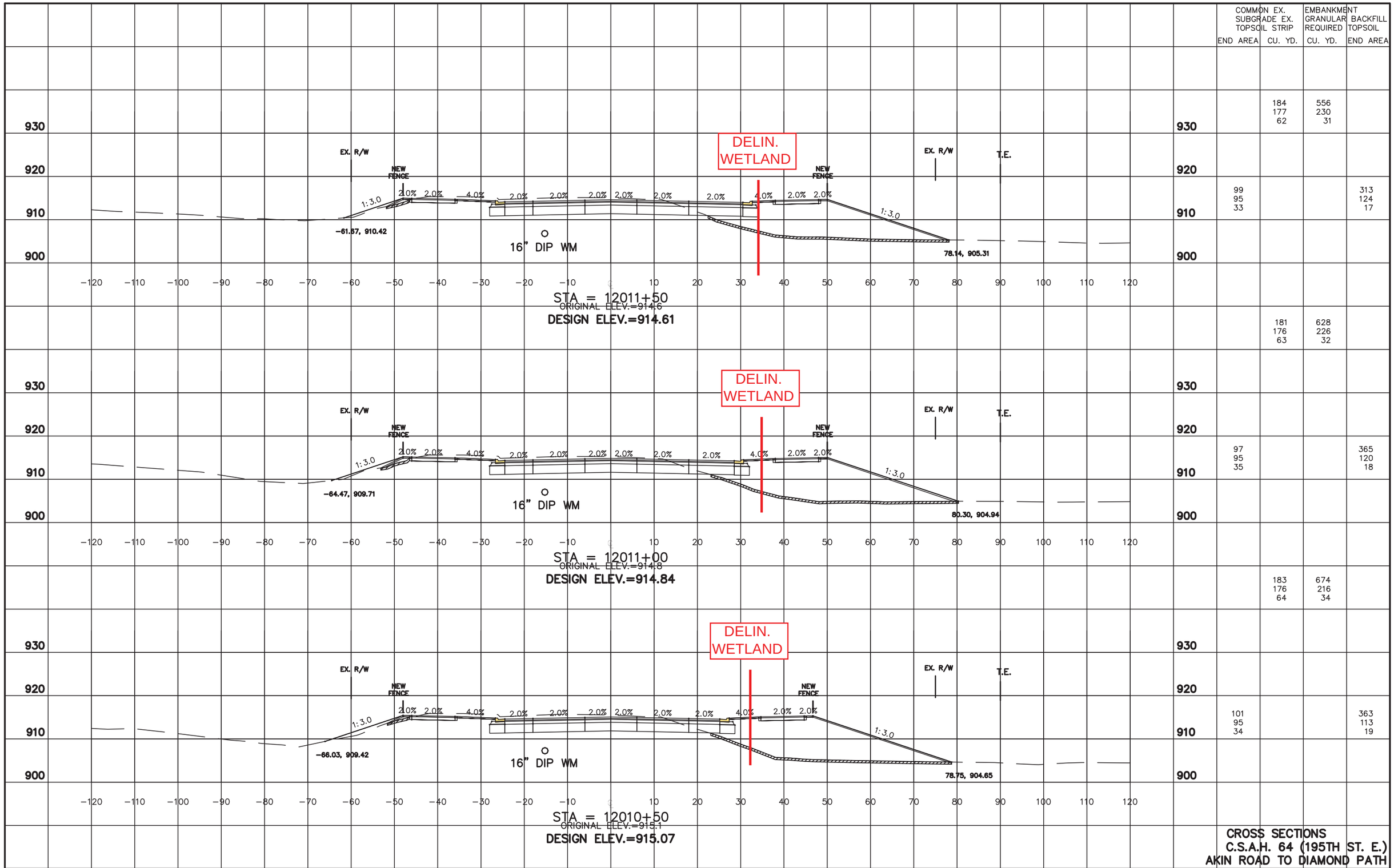
	COMMON EX. SUBGRADE EX. TOPSOIL STRIP END AREA	COMMON EX. SUBGRADE EX. TOPSOIL STRIP CU. YD.	EMBANKMENT GRANULAR REQUIRED CU. YD.	EMBANKMENT BACKFILL TOPSOIL END AREA
		184 177 62	556 230 31	
	99 95 33			313 124 17
		181 176 63	628 226 32	
	97 95 35			365 120 18
		183 176 64	674 216 34	
	101 95 34			363 113 19

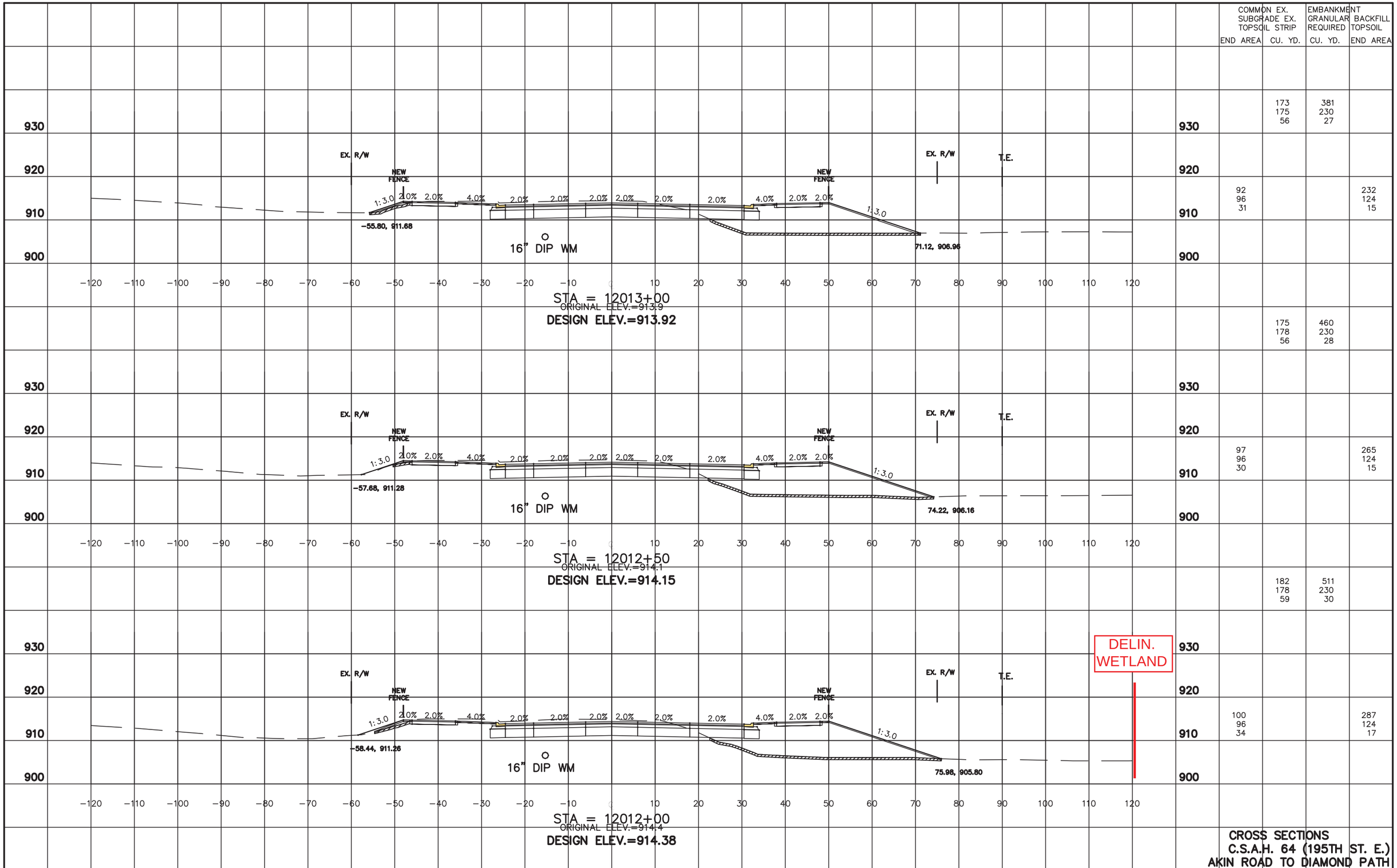


CROSS SECTIONS
C.S.A.H. 64 (195TH ST. E.)
AKIN ROAD TO DIAMOND PATH

VERT. 10 0 10 HORZ. 10 0 10

DAKOTA COUNTY MN. PROJECT NO. 64–22 C.S.A.H 64 S.P. XXX–XXX–XXX SHEET

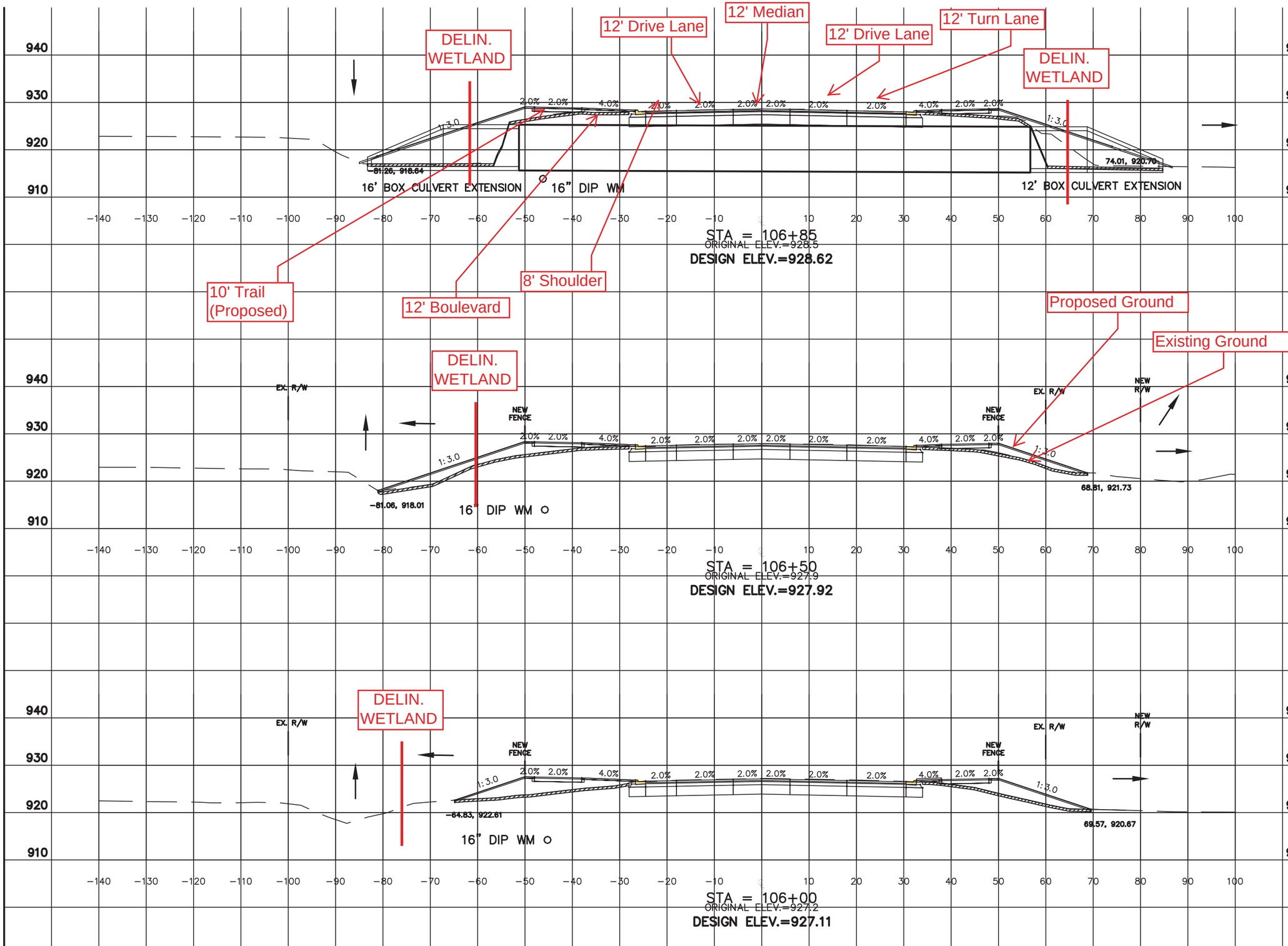
	COMMON EX. END AREA	COMMON EX. CU. YD.	EMBANKMENT GRANULAR BACKFILL REQUIRED CU. YD.	EMBANKMENT TOPSOIL END AREA
		173 175 56	381 230 27	
	92 96 31			232 124 15
		175 178 56	460 230 28	
	97 96 30			265 124 15
		182 178 59	511 230 30	
	100 96 34			287 124 17



CROSS SECTIONS
C.S.A.H. 64 (195TH ST. E.)
AKIN ROAD TO DIAMOND PATH

VERT. 10 0 10 HORZ. 10 0 10

DAKOTA COUNTY MN. PROJECT NO. 64-22 C.S.A.H 64 S.P. XXX-XXX-XXX SHEET

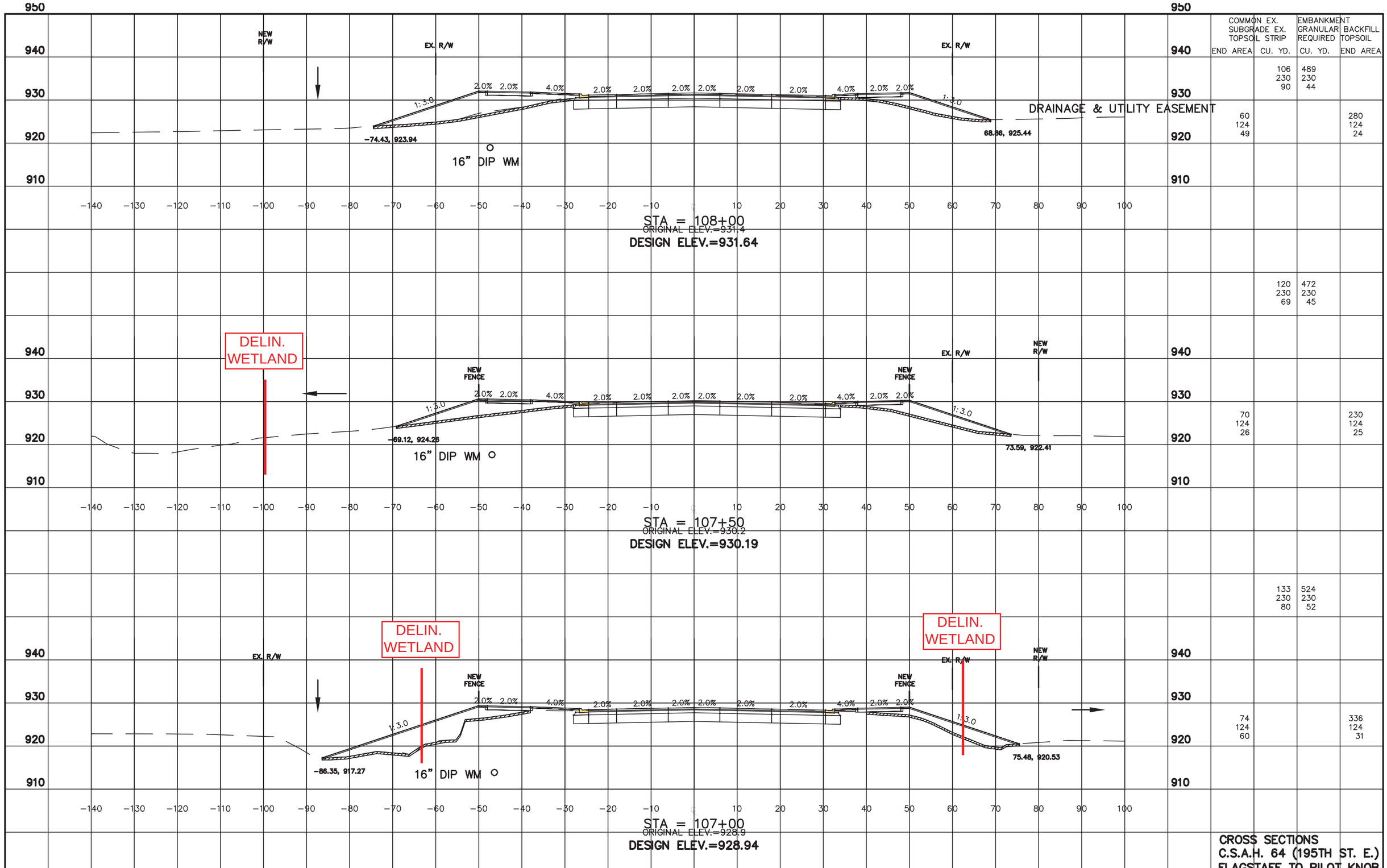


END AREA	COMMON EX. SUBGRADE EX. TOPSOIL STRIP CU. YD.	EMBANKMENT GRANULAR REQUIRED CU. YD.	BACKFILL TOPSOIL END AREA
	42	252	
	69	69	
	35	18	
77			517
124			124
65			34
	100	472	
	161	161	
	76	39	
78			211
124			124
52			26
	144	367	
	230	230	
	89	44	
78			185
124			124
44			21

CROSS SECTIONS
C.S.A.H. 64 (195TH ST. E.)
FLAGSTAFF TO PILOT KNOB

VERT. 10 0 10 HORZ. 10 0 10

DAKOTA COUNTY MN. PROJECT NO. 64-22 C.S.A.H 64 S.P. XXX-XXX-XXX SHEET



COMMON EX. SUBGRADE EX. TOPSOIL STRIP END AREA	CU. YD.	EMBANKMENT GRANULAR REQUIRED CU. YD.	BACKFILL TOPSOIL END AREA
	106	489	
	230	230	
	90	44	
60			280
124			124
49			24
	120	472	
	230	230	
	69	45	
70			230
124			124
26			25
	133	524	
	230	230	
	80	52	
74			336
124			124
60			31

CROSS SECTIONS
C.S.A.H. 64 (195TH ST. E.)
FLAGSTAFF TO PILOT KNOB

VERT. 10 0 10 HORZ. 10 0 10

DAKOTA COUNTY MN. PROJECT NO. 64-22 C.S.A.H 64 S.P. XXX-XXX-XXX SHEET

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