

04-24-2015 LETTING ITEM 175
 FOR INDEX OF SHEETS, SEE SHEET NO. 2
 FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	1
FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO. 63869		

PROJECT LOCATED IN MARENGO TOWNSHIP

PLANS FOR PROPOSED
 FEDERAL AID HIGHWAY

NOE ROAD
 CARMACK ROAD TO 0.6 MILES SOUTH OF KISHWAUKEE VALLEY ROAD
 ROADWAY REALIGNMENT
 SECTION: 08-00357-00-BR
 PROJECT NO: BROS-0111 (057)
 MCHENRY COUNTY
 JOB NO: C-91-100-09



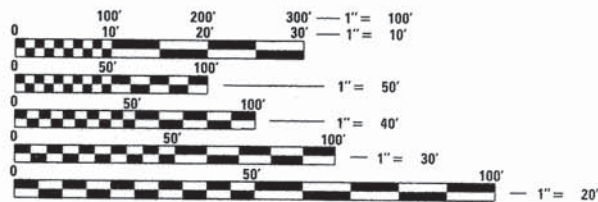
TRAFFIC DATA

NOE ROAD
 UNPOSTED SPEED LIMIT = 55 MPH
 DESIGN SPEED LIMIT = 60 MPH
 2005 ADT = 75
 2030 ADT = 200

CARMACK ROAD
 UNPOSTED SPEED LIMIT = 55 MPH
 2005 ADT = 200

DESIGN DESIGNATION:

NOE ROAD: 24 (13) RURAL LOCAL 0.007(FD-20)



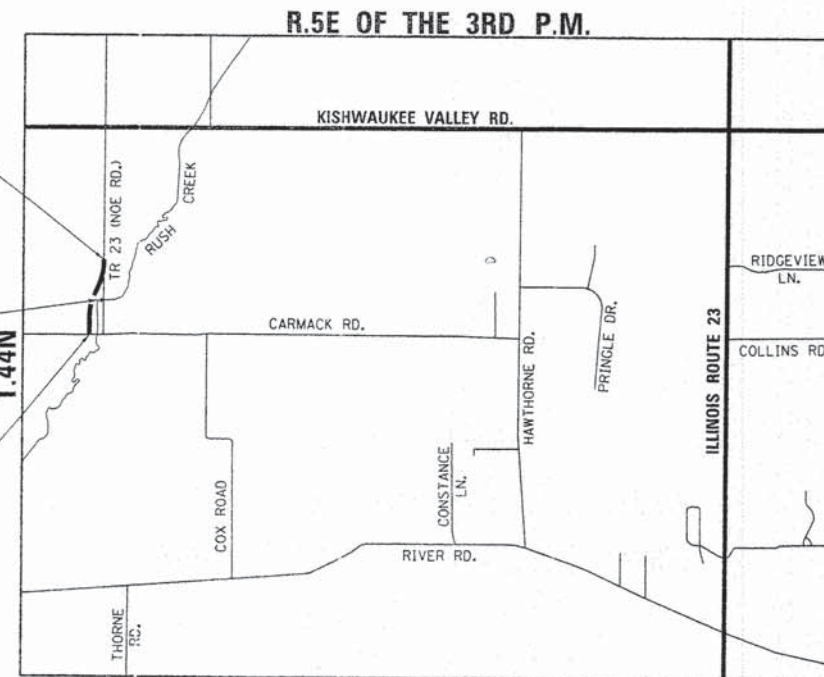
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123
 OR 811

NOE ROAD IMPROVEMENT END STA. 221 + 50.00

STRUCTURE REMOVAL STA. 19 + 19.78 (EXISTING S.N. 056-3048) NOE ROAD OVER RUSH CREEK

NOE ROAD IMPROVEMENT BEGIN STA. 200 + 10.00



LOCATION MAP NOT TO SCALE

MARENGO TOWNSHIP

GROSS LENGTH OF IMPROVEMENT = 2140 LF OR (0.405 MILES)
 NET LENGTH OF IMPROVEMENT = 2140 LF OR (0.405 MILES)

STRAND ASSOCIATES, INC.
 MARC A. GRIGAS, P.E.

DATE: 1/28/15 EXP: 11/30/15

1170 SOUTH HOBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 IDFPR NO. 184-001273

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

Approved JANUARY 29, 2015
Joseph R. Korpas
 County of Mchenry, County Engineer

Passed FEBRUARY 6, 2015
C. Holt
 District 1 Engineer of Local Roads & Streets

Releasing for Bid Based on Limited Review February 6, 2015
John F. ...
 Deputy Director of Highways, Region 1 Engineer

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. 847-705-4406 SCHAUMBURG, IL

CONTRACT NO. 63869

HIGHWAY STANDARDS

000001-06 · STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
 001006 · DECIMAL OF AN INCH AND OF A FOOT
 280001-07 · TEMPORARY EROSION CONTROL SYSTEMS
 542301-03 · PRECAST REINFORCED CONCRETE FLARED END SECTION
 542306-02 · PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
 601001-04 · SUB-SURFACE DRAINS
 601101-01 · CONCRETE HEADWALL FOR PIPE DRAIN
 602401-03 · MANHOLE TYPE A
 602601-03 · PRECAST REINFORCED CONCRETE FLAT SLAB TOP
 602701-02 · MANHOLE STEPS
 604001-04 · FRAME AND LIDS TYPE 1
 701001-02 · OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5M) AWAY
 701006-05 · OFF-RD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24" (600 MM) FROM PAVEMENT EDGE
 701301-04 · LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
 701326-04 · LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
 701901-04 · TRAFFIC CONTROL DEVICES
 720001-01 · SIGN PANEL MOUNTING DETAILS
 720006-04 · SIGN PANEL ERECTION DETAILS
 720011-01 · METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
 781001-03 · TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKINGS
 B.L.R. 22-7 · TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (TWO-LANE TWO WAY RURAL TRAFFIC) (ROAD CLOSED TO THRU TRAFFIC)

DISTRICT ONE STANDARD DETAILS

BD01 · DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND CURB OR EDGE GREATER THAN OR EQUAL TO 15' (4.5m)
 BD32 · BUTT JOINTS AND HMA TAPER
 BD51 · BENCHING CONSTRUCTION DETAIL
 TC11 · TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
 TC13 · DISTRICT ONE TYPICAL PAVEMENT MARKINGS

MCHENRY COUNTY STANDARD DETAILS

URETHANE FOAM/GEOTEXTILE DITCH CHECKS

INDEX OF SHEETS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS AND STANDARD DETAILS

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	2
SCALE:			CONTRACT NO. 63869	
SHEET	OF	SHEETS	STA.	TO STA.
		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".
2. THE LOCATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR SHALL HAVE THE RESPECTIVE UTILITY COMPANIES FIELD LOCATE ALL THEIR FACILITIES PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL ALSO VERIFY THE DEPTHS OF THE EXISTING UTILITIES IF NECESSARY. THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. AT (800) 892-0123 AND ALL PUBLIC AND PRIVATE UTILITIES BEFORE STARTING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND PRESERVATIONS OF THESE FACILITIES. ANY RELOCATION OR LOWERING OF UTILITIES SHALL BE COORDINATED BY THE CONTRACTOR.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THROUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER, IN ACCORDANCE WITH LR105.
4. THE CONTRACTOR SHALL NOTIFY JULIE AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN COUNTY UTILITY LOCATIONS AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER, OSHA-CRANES AND DERRICKS IN CONSTRUCTION (29 CFR 1926). THE CONTRACTOR SHALL COMPLY WITH PROVISIONS OF 29 CFR 1926 WHEN WORKING NEAR POWER LINES. ALL COSTS OF COMPLYING WITH 29 CFR 1926 SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.
5. PROCUREMENT OF ALL NECESSARY PERMITS AND PAYMENTS THEREOF, SHALL BE THE CONTRACTOR'S RESPONSIBILITY, IN ACCORDANCE WITH ARTICLE 107.04.
6. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE COUNTY, HIS AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCE THEIR LOCATION.
7. CHANNEL EXCAVATION OPERATIONS SHALL BE DONE WHEN WATER LEVEL IS AT OR BELOW NORMAL WATER SURFACE ELEVATION OR AS APPROVED BY THE ENGINEER.
8. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE TO ALL EXISTING AND PROPOSED DRAINAGE STRUCTURES AT ALL TIMES DURING CONSTRUCTION. METHODS USED BY THE CONTRACTOR SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER. THIS WORK IS INCLUDED IN THE COST OF PROPOSED DRAINAGE ITEMS.
9. THE PRIME COAT APPLICATION RATE BETWEEN HOT-MIX SHALL BE 0.10 GAL/SY ASPHALT LIFTS. THE PRIME COAT APPLICATION RATE ON THE AGGREGATE SUBGRADE IMPROVEMENT SHALL BE 0.5 GAL/SY. THE AGGREGATE PRIME COAT APPLICATION RATE SHALL BE 4 LB/SY. THE AGGREGATE CONVERSION RATE USED IN THE PLANS SHALL BE 2.05 TONS/CY.
10. MATERIALS RESULTING FROM THE REMOVAL OF PAVEMENT SHALL BE REMOVED AT THE END OF EACH DAY TO AN APPROVED SITE, IN JUDGEMENT OF THE ENGINEER. SHOULD IT BE NECESSARY TO REMOVE SUCH MATERIALS THE ENGINEER WILL HAVE THE MATERIAL FENCED AND THE CONTRACTOR WILL BE BILLED (CHARGED) BY THE COUNTY ACCORDINGLY.
11. ALL SAW CUTS SHALL BE INCLUDED IN THE COST OF PAVEMENT REMOVAL.
12. DAMAGE TO PAVEMENT AND ANY OTHER PORTION OF THE ROADWAY NOT SPECIFICALLY TO BE REMOVED AND/OR REPLACED SHALL BE REPAIRED AND/OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL CHARGE.
13. THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED. ONE (1) WEIGHTED SANDBAG SHALL BE PLACED ACROSS EACH BOTTOM RAIL.
14. THE CONTRACTOR SHALL CONTACT THE MCHENRY-LAKE COUNTY SOIL AND WATER CONSERVATION DISTRICT (MLCSWCD) (815) 338-0099 EXT. 3 AT LEAST ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE; AND ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES AND ONE WEEK PRIOR TO THE FINAL INSPECTION. PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO: ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW BY THE MLCSWCD.

COMMITMENTS

- THE FOLLOWING IS A LIST OF COMMITMENTS THE COUNTY HAS MADE FOR THIS PROJECT:
1. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ACCESS TO ALL EXISTING FIELD ENTRANCES NOT BEING RELOCATED AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT. IF A FIELD ENTRANCE IS BEING RELOCATED, ACCESS TO THE EXISTING FIELD ENTRANCE SHALL BE MAINTAINED UNTIL THE NEW FIELD ENTRANCE IS COMPLETE.

15. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENGINEER. THIS WORK SHALL BE PAID FOR IN ACCORDANCE WITH ARTICLE 280.08.
16. THE SURVEY DATUM USED FOR THIS PROJECT IS NAVD88.
17. ALL POSTS, RAILROAD TIES AND DECORATIVE TIMBER/FENCE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS SHALL BE REMOVED AND RELOCATED AS DETERMINED BY THE ENGINEER AND SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION. EVERY EFFORT SHALL BE MADE BY THE CONTRACTOR WHEN REMOVING THESE ITEMS TO PRESERVE THEM FROM HARM. ITEMS NOT RELOCATED SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.
18. DRAIN TILE SYSTEMS DISTURBED DURING DEVELOPMENT MUST BE RECONNECTED BY THOSE RESPONSIBLE FOR THEIR DISTURBANCE UNLESS THE APPROVED ENGINEERING PLANS INDICATE HOW THE DRAIN TILE SYSTEM IS TO BE CONNECTED TO THE PROPOSED STORM WATER MANAGEMENT SYSTEM. ALL ABANDONED DRAIN TILES SHALL BE REMOVED IN THEIR ENTIRETY.
19. THE CONTRACTOR SHALL OBTAIN A CONSTRUCTION PERMIT FROM THE ILLINOIS DEPARTMENT OF NATURAL RESOURCES, OFFICE OF WATER RESOURCES FOR ANY TEMPORARY CONSTRUCTION ACTIVITY PLACED IN THE WATER EXCEPT COFFERDAMS. THIS SHALL INCLUDE THE PLACEMENT OF MATERIALS FOR RUN-AROUNDS, CAUSEWAYS, ETC. ANY PERMIT APPLICATION BY THE CONTRACTOR SHALL REFER TO THE IDNR 3704 FLOODWAY CONSTRUCTION PERMIT NUMBER ALLOWING PERMANENT CONSTRUCTION AS SHOWN IN THE CONTRACT PLANS.
20. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
21. LAYOUT AND STAKING FOR ALL CONSTRUCTION OPERATIONS SHALL BE PROVIDED BY THE CONTRACTOR.
22. PROPOSED END SECTIONS SHALL BE SLOPED TO MATCH THE PROPOSED CULVERTS. PIPE CULVERT GRADES SHALL BE VERIFIED IN THE FIELD PRIOR TO INSTALLATION OF DRAINAGE ITEMS. DRAINAGE STRUCTURES MAY REQUIRE REVISIONS TO MEET EXISTING FIELD CONDITIONS. ANY ADJUSTMENT SHALL BE AS DIRECTED BY THE ENGINEER.
23. REMOVAL OF PIPE CULVERT END SECTIONS SHALL BE PAID PER FOOT UNDER PIPE CULVERT REMOVAL.
24. ALL PROPOSED SIGNS SHALL BE PLACED IN THE LOCATION INDICATED IN THE SIGN SCHEDULE IN THE SCHEDULE OF QUANTITIES. ALL SIGNS SHALL BE INSTALLED ACCORDING TO THE MUTCD AND THE ILLINOIS STANDARD SPECIFICATIONS.
25. IT IS ASSUMED THAT THE TOP 12" OF THE EXISTING GROUND OUTSIDE THE PAVEMENT SHALL BE EXCAVATED AND RE-SPREAD. QUANTITIES FOR THIS WORK ARE INCLUDED IN TOPSOIL EXCAVATION AND PLACEMENT.
26. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION, DIRECTION AND MEANS/METHOD OF CONSTRUCTION.
27. QUANTITIES AND ASSOCIATED PAY ITEMS FOR EARTHWORK, LANDSCAPE RESTORATION, AND EROSION CONTROL WERE DEVELOPED ACCORDING TO THE NECESSARY GRADING FOR THE PROJECT PROPOSED AS SHOWN IN THE CROSS SECTIONS. AREAS DISTURBED BEYOND THE SLOPE INTERCEPTS SHALL HAVE EROSION CONTROL AND LANDSCAPING RESTORATION ACCORDING TO THE ADJACENT REQUIREMENTS SHOWN IN THE PLANS. THE GROUND SHALL BE GRADED AND RESTORED TO MATCH THE EXISTING PRE-CONSTRUCTION CONDITIONS. ALL WORK DESCRIBED ABOVE BEYOND THE SLOPE INTERCEPTS WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
28. WHERE SPECIFIED ON THE PLANS, OR DIRECTED BY THE ENGINEER, TRIMMING OF VEGETATION WILL BE CONSIDERED AS CLEARING AND NOT MEASURED FOR PAYMENT.
29. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY RESIDENTS AND THE COUNTY WHEN ACCESS TO THEIR FIELD ENTRANCE WILL BE TEMPORARILY CLOSED DUE TO RECONSTRUCTION AND/OR FIELD ENTRANCE REPLACEMENT. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY THE COUNTY TO RESIDENTS.

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	DATE - 2/17/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	3
			CONTRACT NO. 63869	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% LOCAL	80% FED 20% LOCAL
				ROADWAY	BRIDGE
				0004	0011
				RURAL	RURAL
20200100	EARTH EXCAVATION	CU YD	2,150	2,150	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2,265	2,265	
20400800	FURNISHED EXCAVATION	CU YD	910	910	
20800150	TRENCH BACKFILL	CU YD	44	44	
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	4,755	4,755	
25000210	SEEDING, CLASS 2A	ACRE	3	3	
25000310	SEEDING, CLASS 4	ACRE	1.5	1.5	
25000314	SEEDING, CLASS 4B	ACRE	.25	.25	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	270	270	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	270	270	
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SO YD	20,394	20,394	
28000200	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	319	319	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	2,529	2,529	
28000400	PERIMETER EROSION BARRIER	FOOT	6,600	6,600	

• SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
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TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	4
CONTRACT NO. 63869			ILLINOIS FED. AID PROJECTED ROAD DIST. NO. 1	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% LOCAL	80% FED 20% LOCAL
				ROADWAY	BRIDGE
				0004 RURAL	0011 RURAL
28000500	INLET AND PIPE PROTECTION	EACH	9	9	
28001000	AGGREGATE (EROSION CONTROL)	TON	79	79	
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	13,799	13,799	
28001200	TEMPORARY HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	6,595	6,595	
28100107	STONE RIPRAP, CLASS A4	SQ YD	208	208	
28200200	FILTER FABRIC	SQ YD	208	208	
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	418	418	
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	5,878	5,878	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	15,944	15,944	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	11	11	
40701801	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6"	SQ YD	5,878	5,878	
44000100	PAVEMENT REMOVAL	SQ YD	3,874	3,874	
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	1,840	1,840	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1

• SPECIALTY ITEM



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
USER NAME = dennisw
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	5

CONTRACT NO. 63869

ILLINOIS FED. AID PROJ. ROAD DIST. NO. 1

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% LOCAL ROADWAY	80% FED 20% LOCAL BRIDGE
				0004	0011
				RURAL	RURAL
50105220	PIPE CULVERT REMOVAL	FOOT	52	52	
50200300	COFFERDAM EXCAVATION	CU YD	64		64
50201101	COFFERDAM (TYPE 1) (LOCATION - 1)	EACH	1		1
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	2	2	
54214503	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 18"	EACH	6	6	
54214521	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 36"	EACH	2	2	
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	48	48	
542A5473	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18"	FOOT	120	120	
542A5491	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	FOOT	69	69	
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	73	73	
55100300	STORM SEWER REMOVAL 8"	FOOT	73	73	
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	12	12	
60107600	PIPE UNDERDRAINS 4"	FOOT	146	146	
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	147	147	

• SPECIALTY ITEM

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILI 60431
(815) 744-4200
USER NAME = dennisw
PLOT SCALE = 1.0000 "/>

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	6

CONTRACT NO. 63869

ILLINOIS FED. AID PROJECTED ROAD DIST. NO. 1

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% LOCAL ROADWAY	80% FED 20% LOCAL BRIDGE
				0004	0011
				RURAL	RURAL
60218400	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4	
67100100	MOBILIZATION	L SUM	1	1	
72000100	SIGN PANEL - TYPE 1	SQ FT	104	104	
72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	80	80	
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	230	230	
73700100	REMOVE GROUND MOUNTED SIGN SUPPORT	EACH	9	9	
• 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4,855	4,855	
• 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	29	29	
• 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	62	62	
X0323045	STONE OUTCROPPING	SQ FT	1,570	1,570	
X0327691	GRATING FOR CONCRETE HEADWALL NO 1	EACH	1	1	
X0327692	GRATING FOR CONCRETE HEADWAL NO 2	EACH	1	1	
X2800302	TEMPORARY DITCH CHECKS (SPECIAL)	FOOT	115	115	

• SPECIALTY ITEM

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = dennis*
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
SCALE: SHEET OF SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	7

CONTRACT NO. 63869
ILLINOIS FED. AID PROJECTED ROAD DIST. NO. 1

FILE NAME = S:\1\101_68888--68991_6942_0806_Microsra\CA00_Sheets\0812145-sh1-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED	80% FED
				20% LOCAL	20% LOCAL
				ROADWAY	BRIDGE
				0004	0011
				RURAL	RURAL
X4024000	TEMPORARY ACCESS (FIELD ENTRANCE)	EACH	3	3	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
XX006345	TURBIDITY BARRIER	FOOT	251	251	
XX006852	EXPLORATION TRENCH (SPECIAL)	CU YD	41	41	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Z0022800	FENCE REMOVAL	FOOT	237	237	
Z0066400	STABILIZED DRIVEWAYS 6"	SQ YD	325	325	

• SPECIALTY ITEM



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
USER NAME = dennisw
PLOT SCALE = 1.0000' / in.
PLOT DATE = 1/28/2015

DESIGNED - MAG
DRAWN - DJW
CHECKED - AJS
DATE - 2/17/14

REVISED -
REVISED -
REVISED -
REVISED -

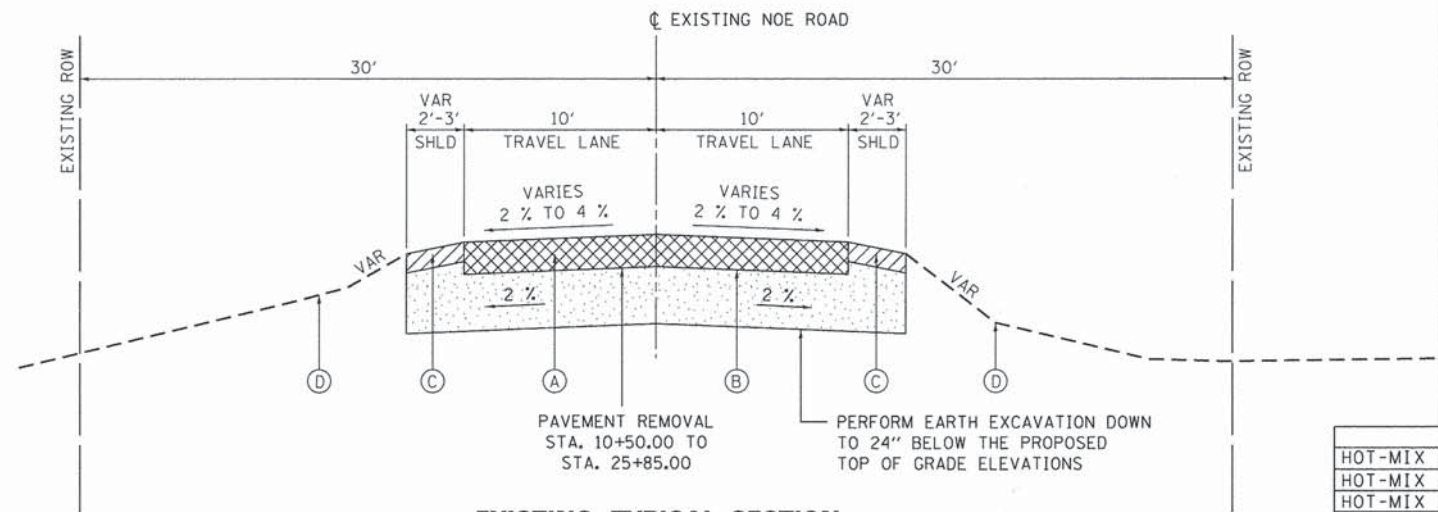
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
SCALE: SHEET OF SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	8
			CONTRACT NO. 63869	
ILLINOIS FED. AID PROJECTED. ROAD DIST. NO. 1				

EXISTING LEGEND

- (A) HOT-MIX ASPHALT SURFACE AND BINDER COURSE, ±3.5"
- (B) AGGREGATE SUBBASE, ±5.5"
- (C) AGGREGATE SHOULDER
- (D) EXISTING TOPSOIL, 12"
- [Cross-hatched] PAVEMENT REMOVAL
- [Diagonal lines] AGGREGATE SHOULDER REMOVAL (TO BE PAID AS EARTH EXCAVATION)
- [Dotted] EARTH EXCAVATION



EXISTING TYPICAL SECTION

STA. 10+29.87 TO STA. 25+85.00, NOE ROAD
 STRUCTURE OMISSION STA. 18+79.00 TO STA. 19+60.61, NOE ROAD

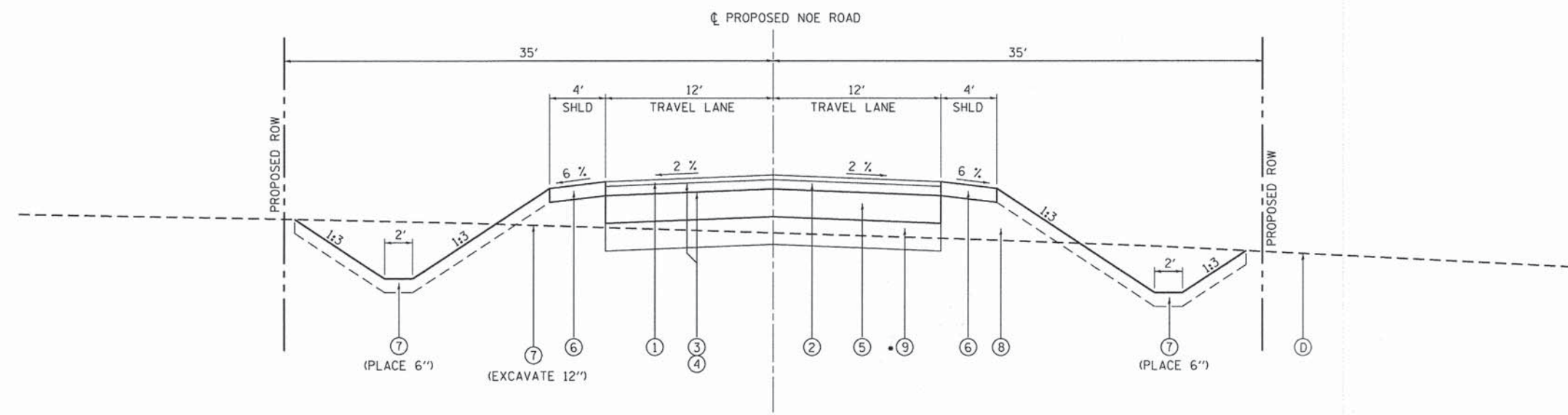
HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes
HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6"	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 2"	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 4"	4% @ 50 GYR
FIELD ENTRANCE	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 2"	4% @ 50 GYR
HOT-MIX ASPHALT BASE COURSE (HMA BINDER, IL 19mm) N50; 4"	4% @ 50 GYR

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SO YD/IN.
- HMA "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG76-22" AND FOR NON-POLYMERIZED HOT-MIX ASPHALT THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
- FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- (2) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 4"
- (3) BITUMINOUS MATERIALS (PRIME COAT)
- (4) AGGREGATE (PRIME COAT)
- (5) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (6) AGGREGATE SHOULDERS, TYPE B, 6"
- (7) TOPSOIL EXCAVATION AND PLACEMENT
- (8) EMBANKMENT
- (9) AGGREGATE SUBGRADE IMPROVEMENT



PROPOSED REALIGNMENT TYPICAL SECTION

STA. 200+10.00 TO STA. 203+31.76, NOE ROAD
 STA. 220+86.64 TO STA. 221+50.00, NOE ROAD

NOTES

- (1)+(2) = HOT-MIX ASPHALT (FULL DEPTH), 6"

STRUCTURAL DESIGN DATA

STREET	STRUCTURAL DESIGN TRAFFIC	STREET CLASS	TRAFFIC FACTOR	SSR	TEMP	STRAIN	AC	EAC	REQ'D BIT THICKNESS	MECHANISTIC PAVEMENT DESIGN
NOE ROAD	PV 91 SU 10 MU 4	IV	N/A	POOR	76°	N/A	PG 58-28	N/A	6.0 IN	2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 4" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 12" AGGREGATE SUBGRADE

UNDERCUT SCHEDULE

NOE RD	DEPTH (INCHES)
217+00 TO 221+50	12"

NOTES:
 REPLACEMENT MATERIAL SHALL BE PAID FOR AS AGGREGATE SUBGRADE IMPROVEMENT MEASURED IN CUBIC YARDS.

FILE NAME = s:\j\1\68800-6899\6842\005\micro\cadd\Sheets\DR12345-ah-typical.dgn



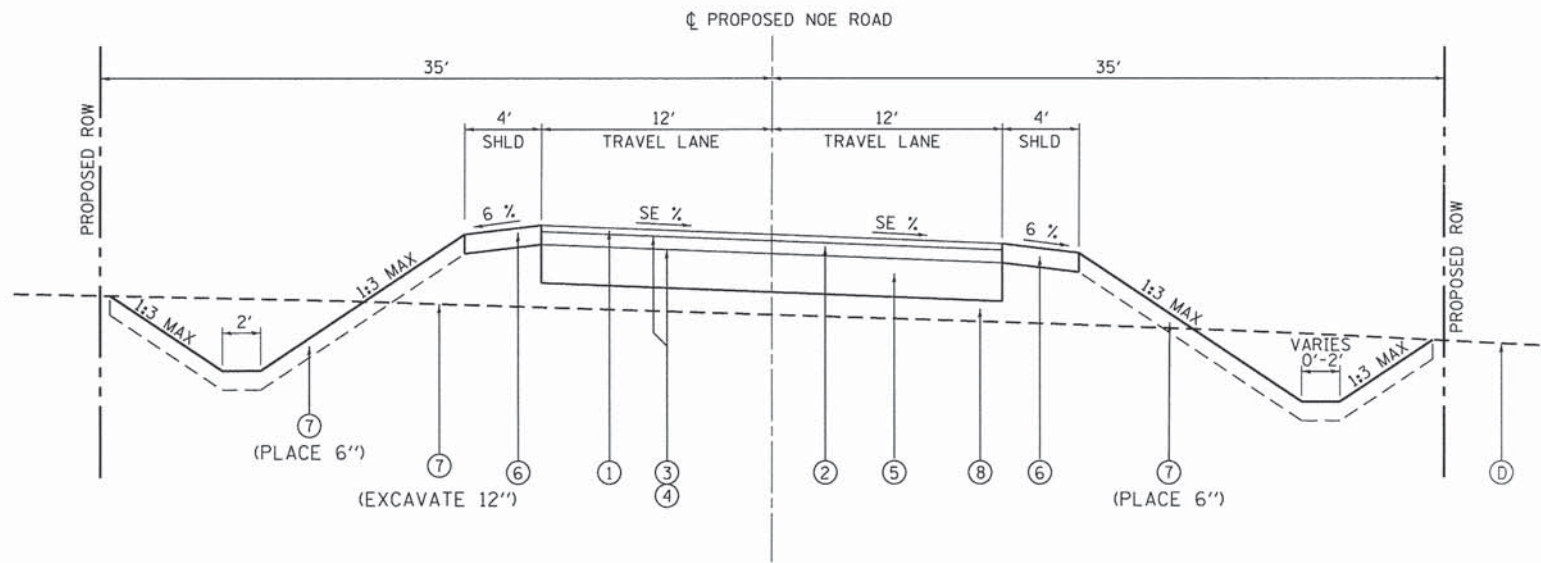
USER NAME = dennisw	DESIGNED - MAG	REVISED -
PLOT SCALE = 5.0000' / 1"	DRAWN - DJW	REVISED -
PLOT DATE = 1/30/2015	CHECKED - AJS	REVISED -
	DATE - 2/17/14	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

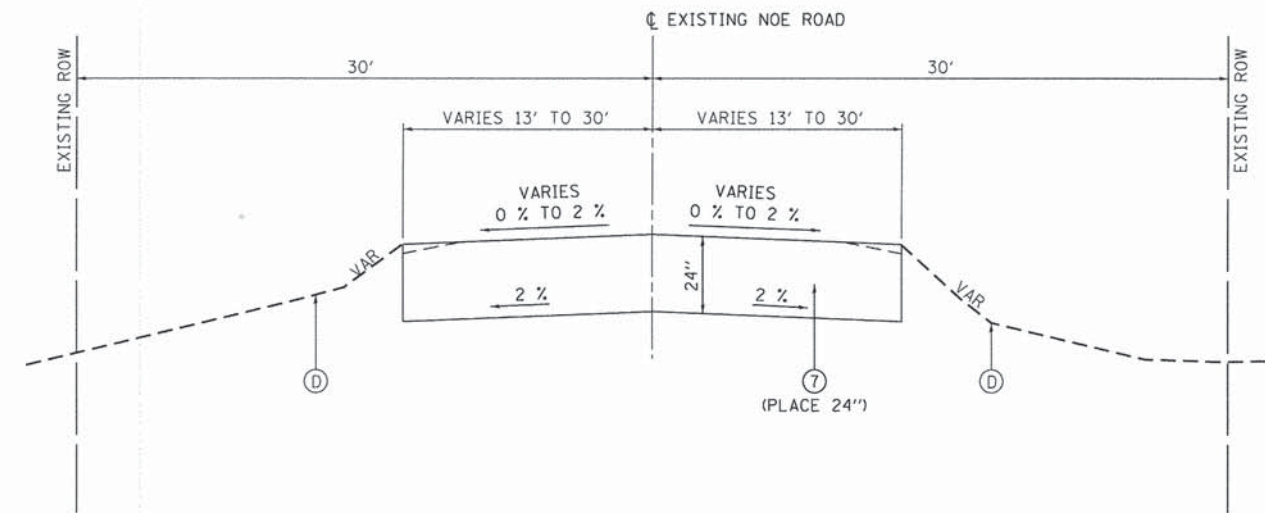
TYPICAL SECTIONS

SCALE: N/A SHEET OF SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	9
CONTRACT NO. 63869			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



PROPOSED REALIGNMENT TYPICAL SECTION
 STA. 203+31.76 TO STA. 212+11.44, NOE ROAD



PROPOSED TYPICAL SECTION
 STA. 10+29.87 TO STA. 25+85.00, NOE ROAD
 STRUCTURE OMISSION STA. 18+79.00 TO STA. 19+60.61, NOE ROAD

ESTIMATED UNDERCUT SCHEDULE

NOE RD	DEPTH (INCHES)
217+00 TO 221+50	12"

NOTES:

REPLACEMENT MATERIAL SHALL BE PAID FOR AS AGGREGATE SUBGRADE IMPROVEMENT.

EXISTING LEGEND

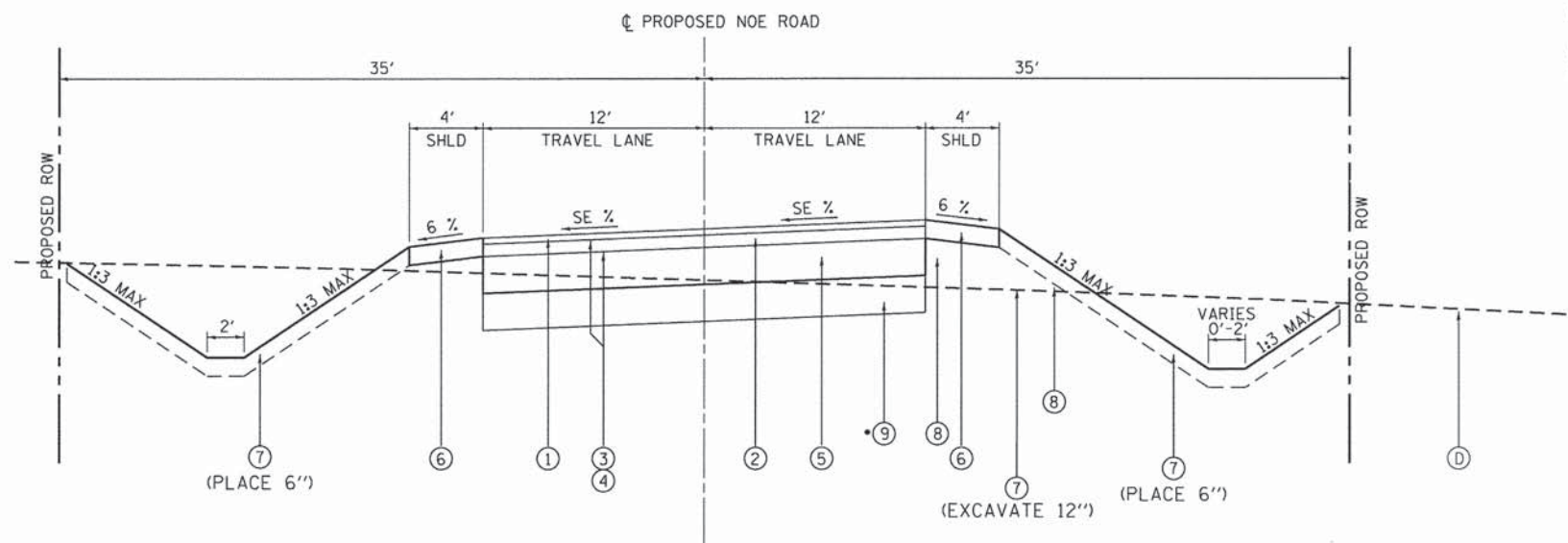
- (A) HOT-MIX ASPHALT SURFACE AND BINDER COURSE, ±3.5"
- (B) AGGREGATE SUBBASE, ±5.5"
- (C) AGGREGATE SHOULDER
- (D) EXISTING TOPSOIL, 12"
- [Cross-hatched] PAVEMENT REMOVAL
- [Diagonal lines] AGGREGATE SHOULDER REMOVAL (TO BE PAID AS EARTH EXCAVATION)
- [Dotted] EARTH EXCAVATION

PROPOSED LEGEND

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 4"
- ③ BITUMINOUS MATERIALS (PRIME COAT)
- ④ AGGREGATE (PRIME COAT)
- ⑤ AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑥ AGGREGATE SHOULDERS, TYPE B, 6"
- ⑦ TOPSOIL EXCAVATION AND PLACEMENT
- ⑧ EMBANKMENT
- ⑨ AGGREGATE SUBGRADE IMPROVEMENT

NOTES

1. ①+② = HOT-MIX ASPHALT (FULL DEPTH), 6"

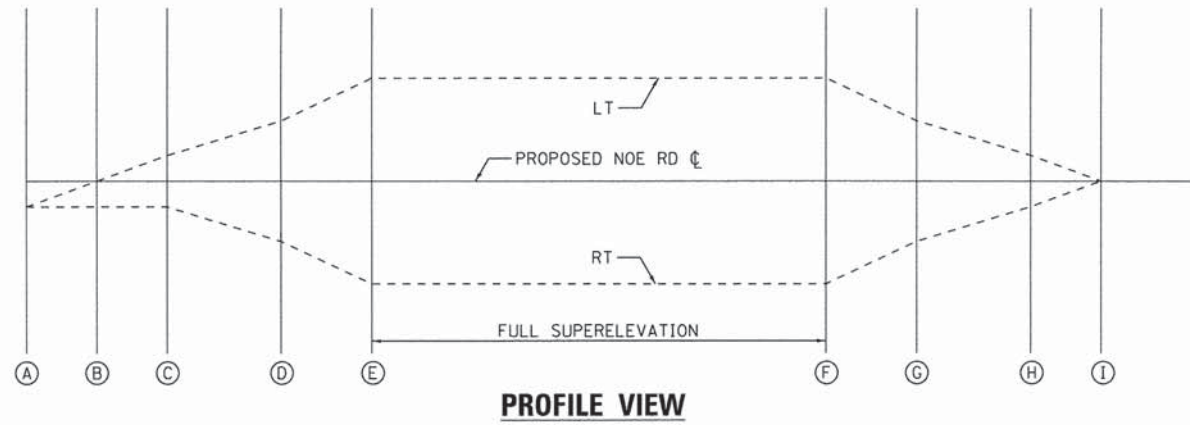


PROPOSED REALIGNMENT TYPICAL SECTION
 STA. 212+11.44 TO STA. 220+86.64, NOE ROAD
 *STA. 217+00.00 TO STA. 220+86.64, NOE ROAD

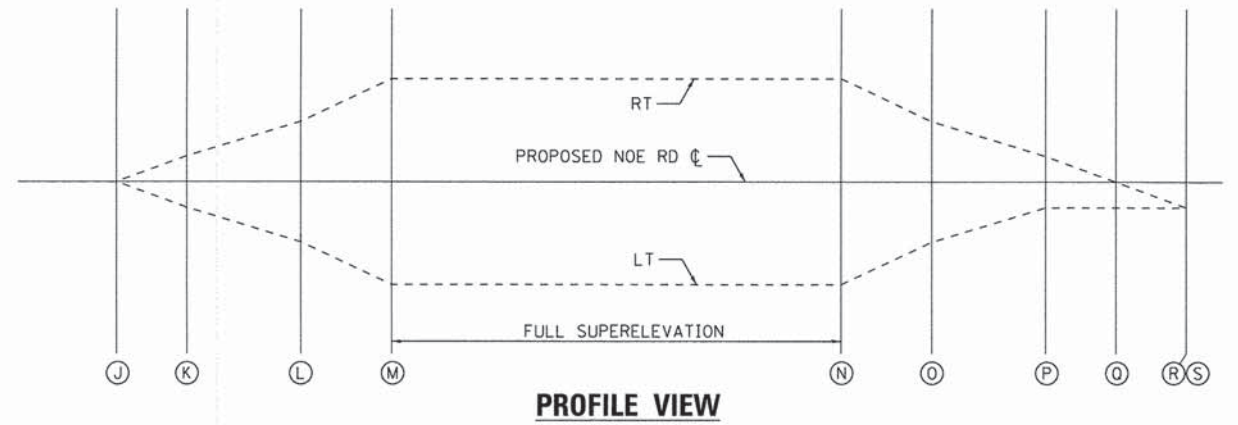
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

**CURVE 1
SUPERELEVATION DETAILS**

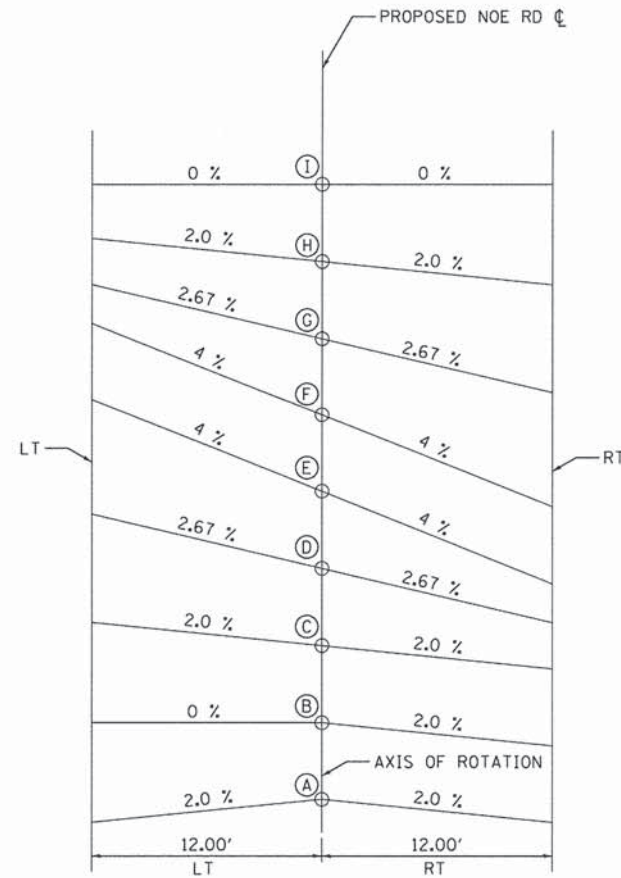


**CURVE 2
SUPERELEVATION DETAILS**



**CURVE 1
PROPOSED SUPERELEVATION TABLE**

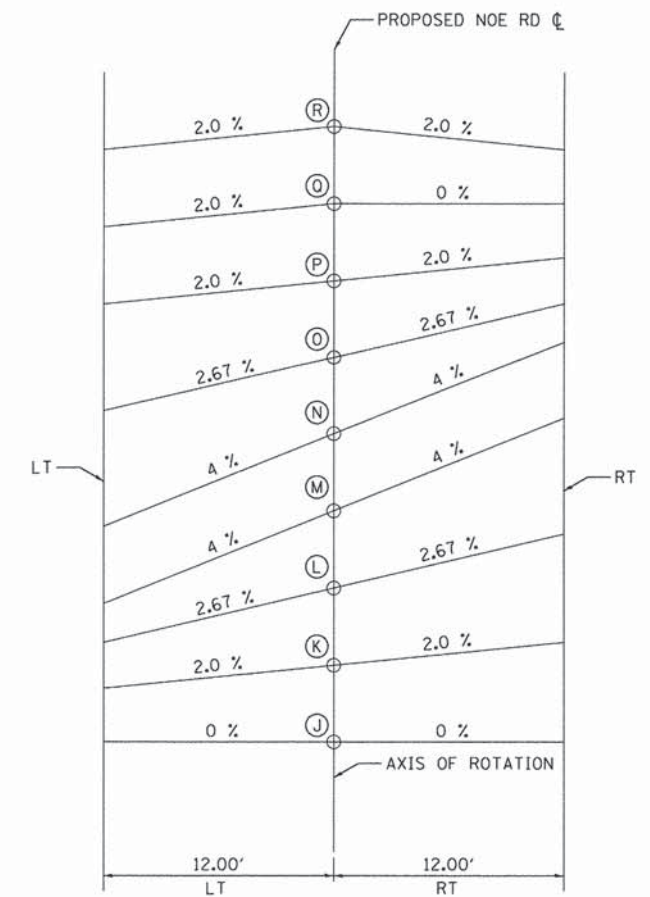
STA	WEST SIDE S.E.	EAST SIDE S.E.
A	203+31.76	2.00 %
B	203+85.04	0.00 %
C	204+38.32	-2.00 %
D	204+56.74	-2.67 %
E	204+92.06	-4.00 %
F	210+51.60	-4.00 %
G	210+98.16	-2.67 %
H	211+31.52	-2.00 %
I	212+11.44	0.00 %



CROSS SECTION CURVE 1

**CURVE 2
PROPOSED SUPERELEVATION TABLE**

STA	WEST SIDE S.E.	EAST SIDE S.E.
J	212+11.44	0.00 %
K	212+91.41	2.00 %
L	213+18.11	2.67 %
M	213+71.37	4.00 %
N	219+26.80	4.00 %
O	219+62.28	2.67 %
P	219+80.08	2.00 %
Q	220+33.36	2.00 %
R	220+86.64	2.00 %



CROSS SECTION CURVE 2

FILE NAME = s:\p1\68802--6899\6842\085\micr-os\C600 Sheets\DR12345-ah-typical.dgn

PROPOSED NOE ROAD										
EARTHWORK COMPUTATION										
LOCATION		EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%)	EMBANKMENT	FURNISHED EXCAVATION	TOPSOIL EXCAVATION	TOPSOIL PLACEMENT	TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS	AGGREGATE SUBGRADE IMPROVEMENT
					EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)					
STATION	STATION	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD		CU YD	CU YD
200+10	200+50	165.12	140.35	27.97	112.38	187.02	35.25	151.77	0.00	0.00
200+50	201+00	59.75	50.78	96.43	-45.65	137.65	39.19	98.45	0.00	0.00
201+00	201+50	25.73	21.87	68.94	-47.07	117.72	29.23	88.49	0.00	0.00
201+50	202+00	14.74	12.53	48.00	-35.48	116.53	18.08	98.45	0.00	0.00
202+00	202+50	16.87	14.34	30.47	-16.13	111.88	17.51	94.36	0.00	0.00
202+50	203+00	18.49	15.71	18.43	-2.71	110.15	16.65	93.50	0.00	0.00
203+00	203+50	23.25	19.76	14.97	4.80	110.30	16.72	93.58	0.00	0.00
203+50	204+00	26.65	22.66	15.68	6.98	105.77	23.25	82.51	0.00	0.00
204+00	204+50	18.08	15.37	29.68	-14.31	106.53	23.63	82.89	0.00	0.00
204+50	205+00	15.55	13.21	41.00	-27.78	107.39	24.06	83.32	0.00	0.00
205+00	205+50	17.69	15.04	40.68	-25.65	109.07	24.90	84.16	0.00	0.00
205+50	206+00	18.31	15.57	43.32	-27.75	109.95	25.35	84.61	0.00	0.00
206+00	206+50	19.19	16.31	44.99	-28.68	110.90	25.82	85.08	0.00	0.00
206+50	207+00	23.09	19.63	40.28	-20.65	113.01	26.88	86.14	0.00	0.00
207+00	207+50	32.86	27.93	30.48	-2.55	116.56	28.65	87.91	0.00	0.00
207+50	208+00	54.39	46.23	19.17	27.07	121.11	30.92	90.18	0.00	0.00
208+00	208+50	67.36	57.25	14.29	42.97	122.58	31.66	90.92	0.00	0.00
208+50	209+00	65.79	55.93	16.06	39.87	123.25	31.99	91.25	0.00	0.00
209+00	209+50	68.06	57.85	17.75	40.10	125.90	33.32	92.58	0.00	0.00
209+50	210+00	68.04	57.84	19.93	37.91	127.85	34.30	93.55	0.00	0.00
210+00	210+50	63.32	53.82	28.03	25.79	129.12	35.09	94.03	0.00	0.00
210+50	211+00	53.62	45.58	48.35	-2.77	128.89	34.97	93.91	0.00	0.00
211+00	211+50	42.78	36.37	71.02	-34.65	127.37	34.07	93.31	0.00	0.00
211+50	212+00	34.47	29.30	83.96	-54.66	125.16	32.95	92.21	0.00	0.00
212+00	212+50	26.61	22.62	87.44	-64.82	121.59	31.16	90.42	0.00	0.00
212+50	213+00	19.54	16.61	97.54	-80.93	118.14	29.44	88.70	0.00	0.00
213+00	213+50	25.77	21.90	274.73	-252.83	239.12	19.51	219.61	0.00	0.00
213+50	214+00	18.50	15.72	284.19	-268.47	231.56	15.73	215.83	0.00	0.00
214+00	214+50	0.56	0.47	125.17	-124.70	99.29	20.02	79.27	0.00	0.00
214+50	215+00	0.00	0.00	115.18	-115.18	95.80	18.27	77.53	0.00	0.00
215+00	215+50	0.00	0.00	119.01	-119.01	113.75	26.53	87.22	0.00	0.00
215+50	216+00	0.92	0.78	112.51	-111.73	119.64	29.48	90.16	0.00	0.00
216+00	216+50	16.71	14.20	86.27	-72.07	97.27	24.19	73.08	0.00	0.00
216+50	217+00	15.79	13.42	49.85	-36.43	79.47	25.41	54.06	0.00	0.00
217+00	217+50	0.00	0.00	32.57	-32.57	79.08	31.85	47.23	0.00	54.55
217+50	218+00	0.00	0.00	44.92	-44.92	78.87	33.54	45.33	52.02	52.03
218+00	218+50	0.00	0.00	50.82	-50.82	64.65	26.85	37.81	53.14	47.91
218+50	219+00	0.00	0.00	65.44	-65.44	62.52	26.44	36.08	46.71	44.63
219+00	219+50	0.00	0.00	76.05	-76.05	65.88	29.04	36.85	45.24	44.44
219+50	220+00	0.00	0.00	71.82	-71.82	58.33	28.32	30.01	46.93	44.94
220+00	220+50	0.00	0.00	59.58	-59.58	48.42	24.55	23.87	50.14	44.33
220+50	221+00	0.00	0.00	46.90	-46.90	48.79	24.34	24.45	57.36	41.70
221+00	221+50	0.00	0.00	25.06	-25.06	31.14	16.00	15.15	0.00	38.61
Totals		1140	970	2735	-1765	4755	1160	3600	352	413
Adjusted Totals		570	485	2735	-883	-	-	-	922	-

• ADJUSTED TOTALS ASSUMING 50% OF ALL EARTH EXCAVATION IS UNSUITABLE MATERIAL.

FILE NAME = S:\JUL\6800--6899\6842\085\Micro\CAD\00 Sheets\0812245-ah1-schedule.dgn



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
PLOT SCALE = 50.0000' / in.
PLOT DATE = 1/30/2015

USER NAME = dennisw
DESIGNED - MAG
DRAWN - DJW
CHECKED - AJS
DATE - 2/17/14

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	12
CONTRACT NO. 63869				

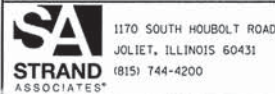
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

FILE NAME = S:\JUL\6800-6899\6842\005\Micro\CA00_Sheets\0812345-ht-sched\les.dgn

EXISTING NOE ROAD EARTHWORK COMPUTATION									
STATION	STATION	EARTH EXCAVATION CU YD	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%) CU YD	EMBANKMENT CU YD	FURNISHED EXCAVATION	TOPSOIL EXCAVATION CU YD	TOPSOIL PLACEMENT CU YD	TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-) CU YD	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL CU YD
					EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) CU YD				
10+50	11+00	99.54	84.61	0.00	84.61	0.00	110.50	-110.50	0.00
11+00	11+50	92.21	78.38	0.00	78.38	0.00	102.92	-102.92	0.00
11+50	12+00	88.46	75.19	0.00	75.19	0.00	99.29	-99.29	0.00
12+00	12+50	88.54	75.26	0.00	75.26	0.00	99.25	-99.25	0.00
12+50	13+00	88.29	75.05	0.00	75.05	0.00	99.21	-99.21	0.00
13+00	13+50	86.79	73.77	0.00	73.77	0.00	97.75	-97.75	0.00
13+50	14+00	86.58	73.60	0.00	73.60	0.00	97.04	-97.04	0.00
14+00	14+50	88.63	75.33	0.00	75.33	0.00	99.00	-99.00	0.00
14+50	15+00	90.33	76.78	0.00	76.78	0.00	101.00	-101.00	0.00
15+00	15+50	91.75	77.99	0.00	77.99	0.00	102.42	-102.42	0.00
15+50	16+00	89.50	76.08	0.00	76.08	0.00	100.29	-100.29	0.00
16+00	16+50	89.13	75.76	0.00	75.76	0.00	99.92	-99.92	0.00
16+50	17+00	91.63	77.88	0.00	77.88	0.00	102.25	-102.25	0.00
17+00	17+50	91.54	77.81	0.00	77.81	0.00	103.25	-103.25	0.00
17+50	18+00	95.25	80.96	0.00	80.96	0.00	98.58	-98.58	0.00
18+00	18+50	151.96	129.16	0.00	129.16	0.00	109.63	-109.63	0.00
18+50	19+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19+00	19+50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19+50	20+00	172.88	146.94	0.00	146.94	0.00	77.21	-77.21	0.00
20+00	20+50	277.46	235.84	0.00	235.84	0.00	140.29	-140.29	0.00
20+50	21+00	182.79	155.37	0.00	155.37	0.00	123.08	-123.08	0.00
21+00	21+50	150.33	127.78	0.00	127.78	0.00	117.00	-117.00	0.00
21+50	22+00	143.29	121.80	0.00	121.80	0.00	112.83	-112.83	0.00
22+00	22+50	96.29	81.85	0.00	81.85	0.00	105.00	-105.00	0.00
22+50	23+00	72.46	61.59	0.00	61.59	0.00	102.17	-102.17	0.00
23+00	23+50	92.21	78.38	0.00	78.38	0.00	103.46	-103.46	0.00
23+50	24+00	91.00	77.35	0.00	77.35	0.00	102.38	-102.38	0.00
24+00	24+50	92.54	78.66	0.00	78.66	0.00	104.17	-104.17	0.00
24+50	25+00	94.46	80.29	0.00	80.29	0.00	105.96	-105.96	0.00
25+00	25+50	90.54	76.96	0.00	76.96	0.00	101.92	-101.92	0.00
25+50	26+00	87.76	74.60	0.00	74.60	0.00	98.96	-98.96	0.00
FARM FIELD BETWEEN EX. & PR. NOE RD.		0.00	0.00	0.00	0.00	0.00	578.00	-578.00	0.00
Totals		3154	2681	0	2681	0	3595	-3595	0
Adjusted Totals*		1577	1341	0	1341	-	3595	-3595	1341

* ADJUSTED TOTALS ASSUMING 50% OF ALL EARTH EXCAVATION IS UNSUITABLE MATERIAL.

SUMMARY EARTHWORK COMPUTATION									
LOCATION	EARTH EXCAVATION CU YD	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%) CU YD	EMBANKMENT CU YD	FURNISHED EXCAVATION	TOPSOIL EXCAVATION CU YD	TOPSOIL PLACEMENT CU YD	TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-) CU YD	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL CU YD	AGGREGATE SUBGRADE IMPROVEMENT CU YD
				EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) CU YD					
PROPOSED NOE ROAD	570	485	2735	-2251	4755	1160	3595	922	418
EXISTING NOE ROAD	1577	1341	0	1341	0	3595	-3595	1341	0
Totals	2150	1830	2735	-910	4755	4755	0	2265	418



1170 SOUTH HOUBOLT ROAD
JULIET, ILLINOIS 60431
PLOT SCALE = 50.0000' / in.
PLOT DATE = 1/30/2015

USER NAME = dennisw
DESIGNED - MAG
DRAWN - DJW
CHECKED - AJS
DATE - 2/17/14

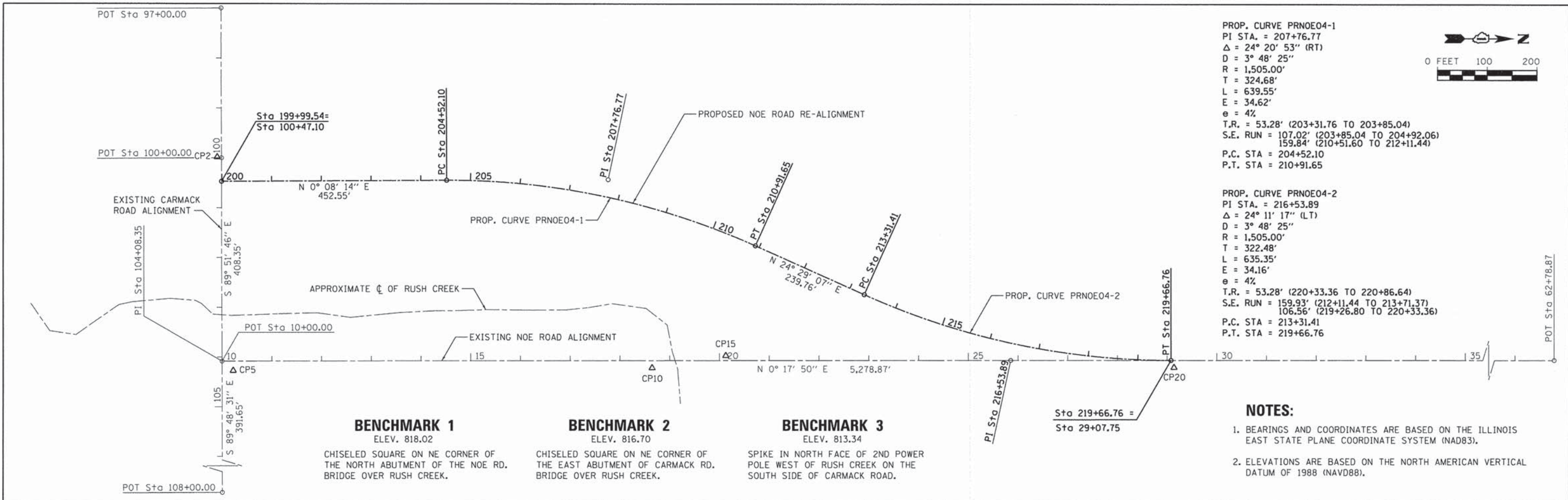
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

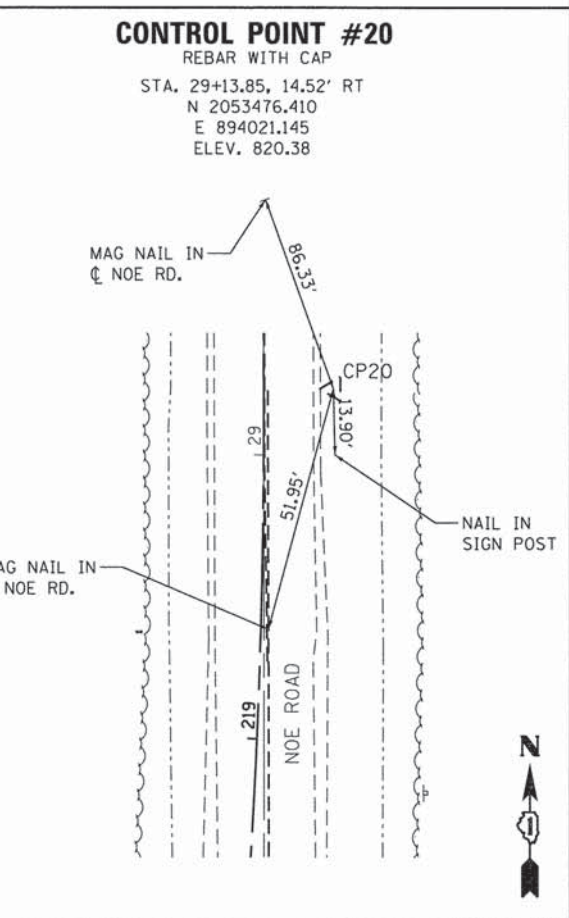
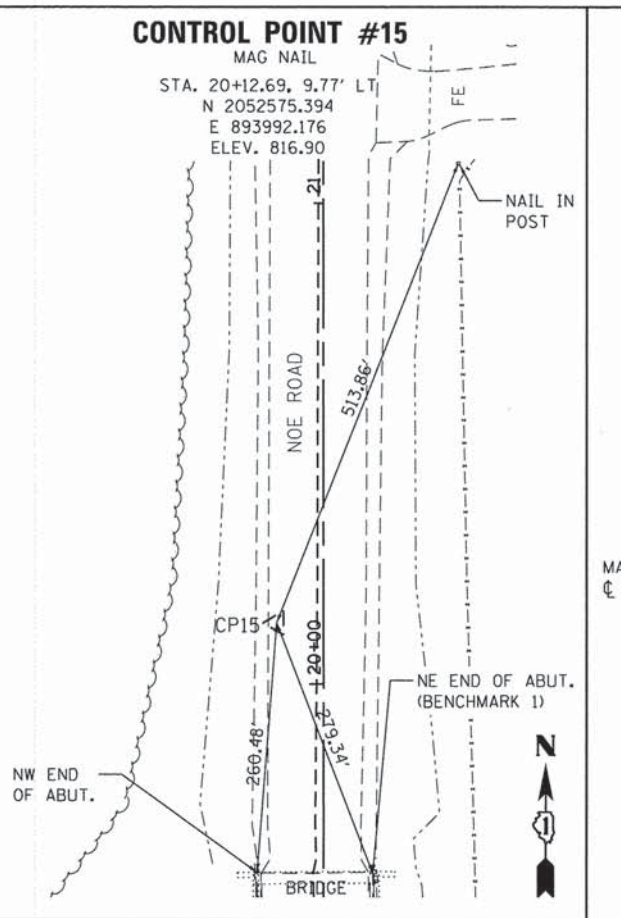
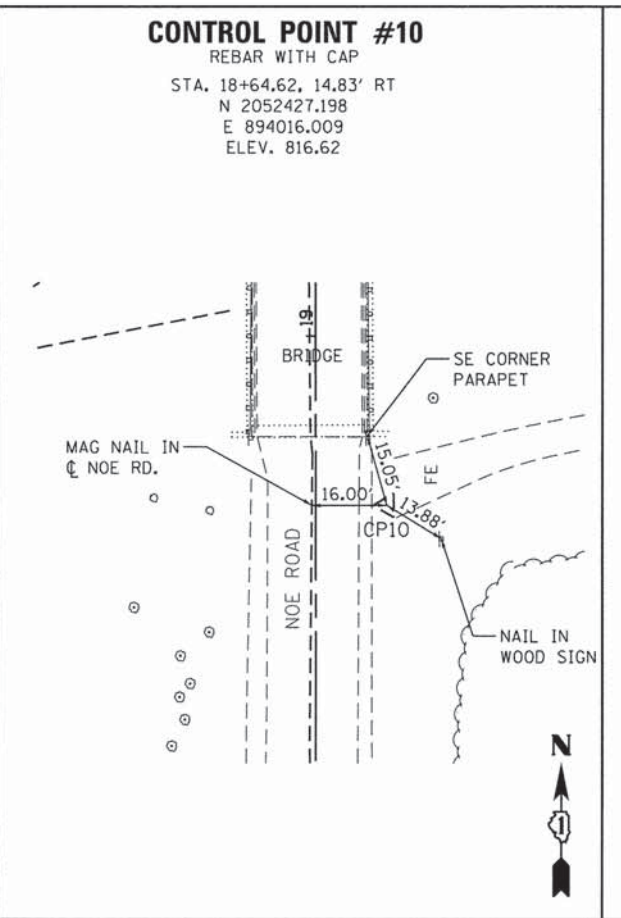
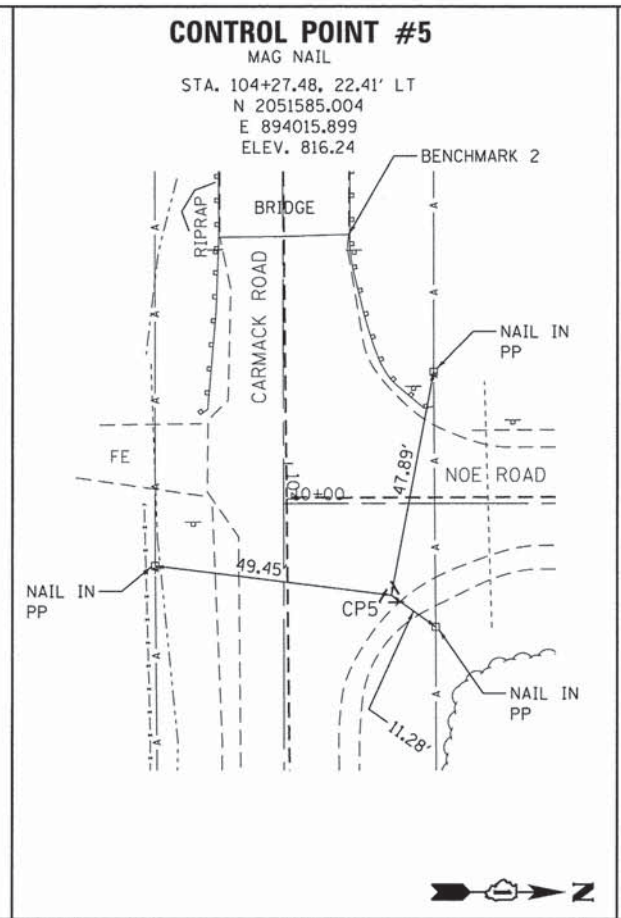
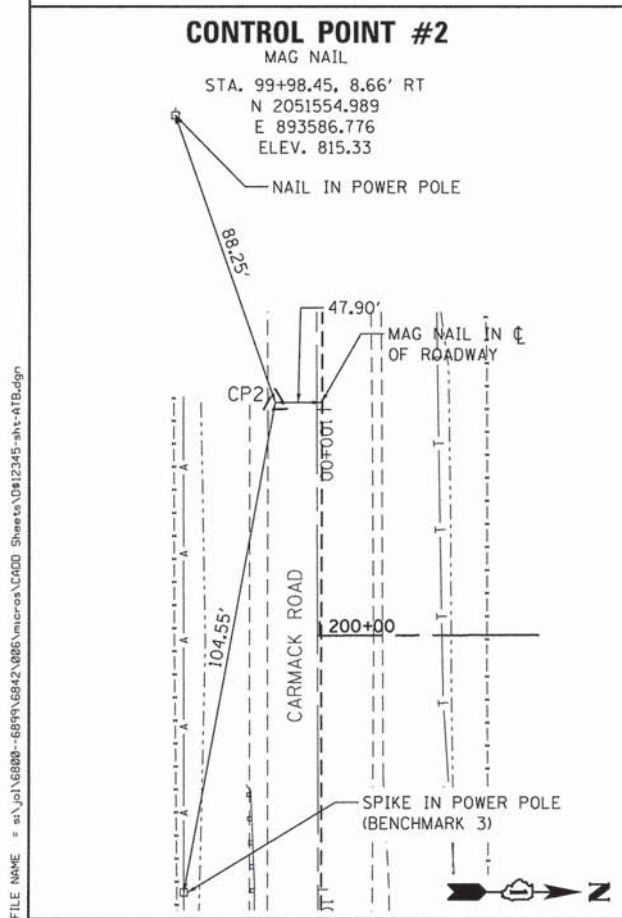
SCHEDULE OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	13
CONTRACT NO. 63869				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- NOTES:**
- BEARINGS AND COORDINATES ARE BASED ON THE ILLINOIS EAST STATE PLANE COORDINATE SYSTEM (NAD83).
 - ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).



FILE NAME = s:\jpl\68800-68999\6842\005\micros\CADD\Sheets\0812345-ah1-ATB.dgn

1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 STRAND ASSOCIATES

USER NAME = dennisw
 DESIGNED - MAG
 DRAWN - DJW
 CHECKED - AJS
 PLOT DATE = 1/30/2015

REVISED -
 REVISED -
 REVISED -
 REVISED -

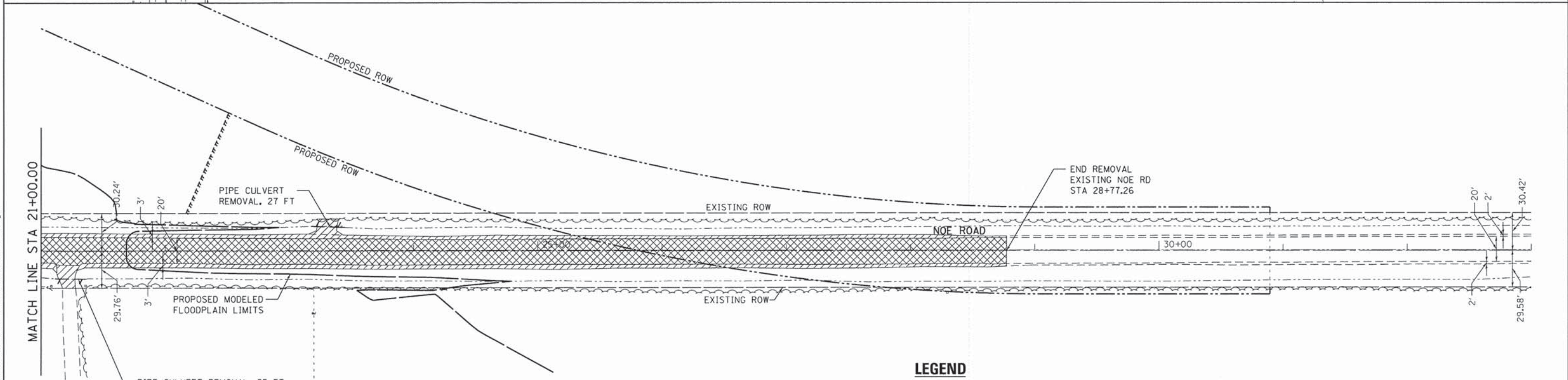
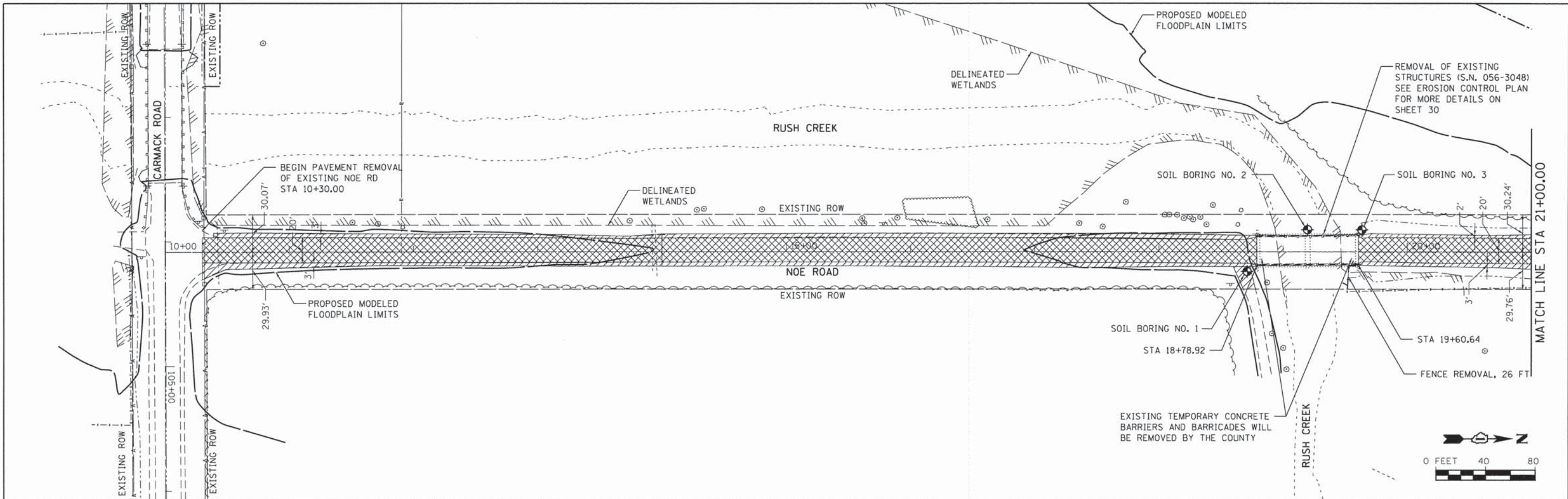
DATE - 2/17/14

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, AND BENCHMARKS

SCALE: SHEET OF SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	14
CONTRACT NO. 63869				
FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT				



LEGEND

- PAVEMENT REMOVAL
- AGGREGATE SHOULDER REMOVAL AND AGGREGATE ENTRANCE REMOVAL TO BE PAID FOR AS EARTH EXCAVATION

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SA STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

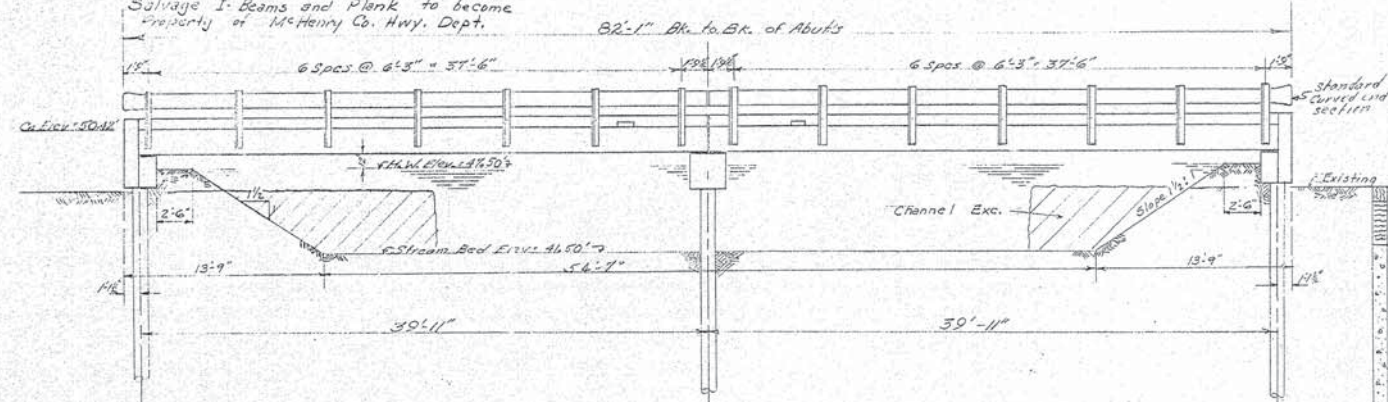
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

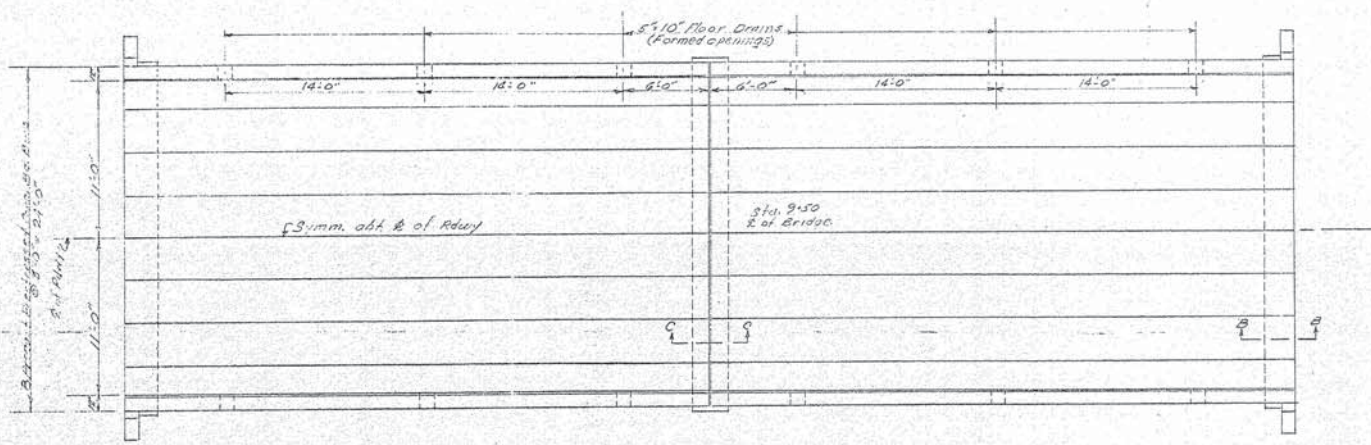
REMOVAL PLAN	
SCALE:	SHEET OF SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT NO. 63869				

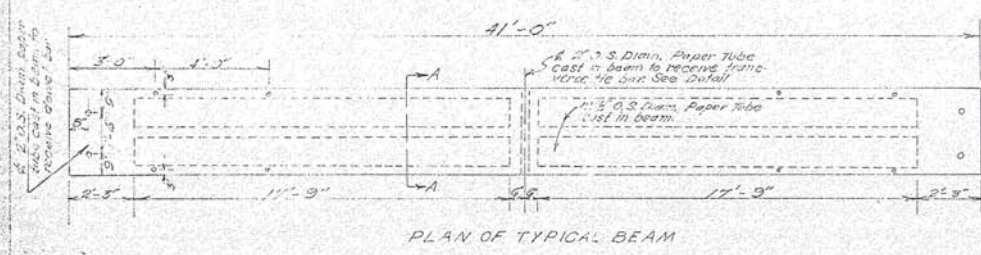
Beach Mark Top of High Side of the Bridge Sta 51.8
 Existing Structure: 3" Plank floor on I-Beams Rdwy 14'c
 Span - 2 @ 19'-6"
 Abuts & Pier - Broken Stone & timber piles
 Salvage I-Beams and Plank to become
 property of McHenry Co. Hwy. Dept.



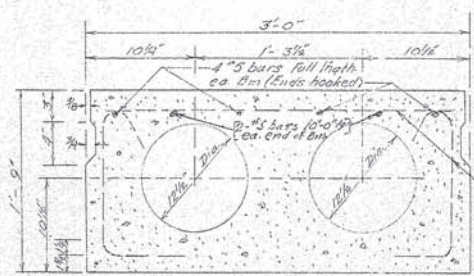
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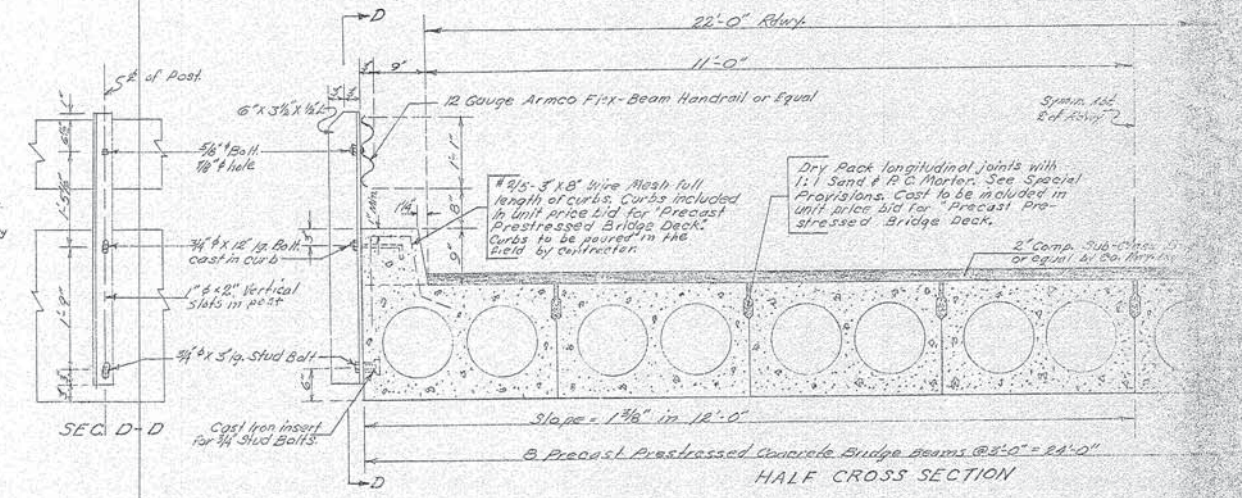
PLAN



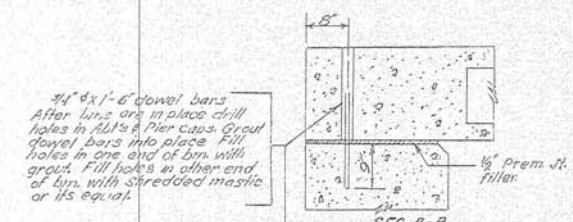
PLAN OF TYPICAL BEAM



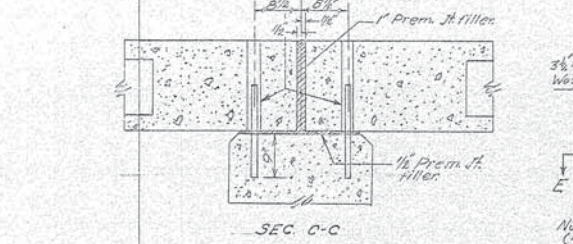
SEC. A-A



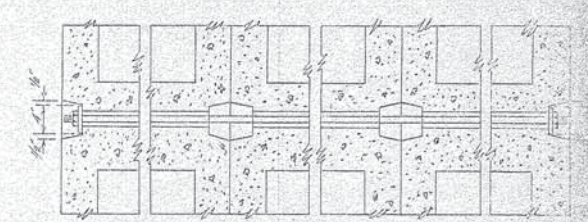
HALF CROSS SECTION



SEC. B-B



SEC. C-C



SEC. E-E

TYPICAL TRANSVERSE TIE ASSEMBLY
 The cost of furnishing and assembling transverse ties to be included in the unit price bid for Precast Prestressed Concrete Bridge Deck.

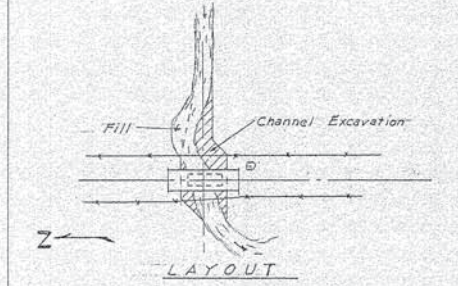
GENERAL NOTES:
 Class X Concrete shall be used in Abutments and Pier Caps. For Item "Precast Prestressed Concrete Bridge Deck" See Special Provisions.
 Cables used as prestressing element shall be American Steel Wire Cables Special High Strength Extra Low Performed Ungalvanized Strand or equal and shall have the following properties:
 Nominal Diameter: 3/8 inch
 Area: 0.0801 Sq. In.
 Min. Tens. Ult. Str. 250,000 p.s.i.
 Cables shall not be poured until after beams have received prestressing force.
 Metal Plate Bridge Rail shall be in accordance with Section D4 of the Standard Specs, except as otherwise noted on the detail drawings or in the Special Provisions. Hand rail shall be paid for as "Metal Plate Bridge Rail" and shall include all bolts, nuts, washers and washers' legs for splicing. Washers to bridge handrail shall receive one shop coat of red lead paint & two field coats of aluminum paint. Paint to be furnished & applied by the Contractor.

BILL OF MATERIAL SUPERSTRUCTURE

ITEM	Sq. Ft.	Ln. Ft.	Each
Precast Prestressed Cono. Bridge Deck	1968		
Metal Plate Bridge Rail		164	
Name Plate			one

TOTAL BILL OF MATERIAL

ITEM	Sq. Ft.	Ln. Ft.	Each
Precast Prestressed Cono. Bridge Deck	1968		
Metal Plate Bridge Rail		164	
Class X Concrete		18.0	18.0
Reinforcement Bars		2000	2000
Furn. Creosoted Timber Piles		275	275
Driv. " "		275	275
Furn. Metal Pile Shells		210	210
Driv. & Filling Shells			
Creosoted Timber Test Pile	Each	one	one
Name Plate		one	one
Removal of Existing Structures		one	one
Channel Excavation	Cu. Yds.	265	265



LAYOUT

FOR INFORMATION ONLY

NORTH NOE BRIDGE
 RUSH CREEK
 MARENGO TWP.
 McHENRY CO.
 APRIL 1956
 Rev. June 1956

12-7
 056-3048

FILE NAME = s:\jpl\68200-689916842\805\micross\CADD Sheets\0412345-wt-CPE.dgn

SA STRAND ASSOCIATES*
 1170 SOUTH HOBLOTT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = dennisw
 DESIGNED - MAG
 DRAWN - DJW
 CHECKED - AJS
 DATE - 2/17/14

DESIGNED - MAG
 DRAWN - DJW
 CHECKED - AJS
 DATE - 2/17/14

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING GENERAL PLAN AND ELEVATION

SCALE: SHEET OF SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	16

CONTRACT NO. 63869
 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

Testing Service Corporation

STRUCTURE BORING LOG

Date Started 9/20/09

Date Completed 9/20/09

ROUTE TR32 DESCRIPTION Noe Road over Rush Creek
 SECT. 08-00357-00-BR STRUCT. NO. 056-3193 DRILLED BY TSC L-72,491
 COUNTY McHenry LOCATION E. End South Abutment S. 8SE/9SW, TWP. 44N, RNG. 5E

Boring No.	Station	Offset	Surface Elev.	DEPTH	BLOW	Qu	W %	Surface Water Elev.	Groundwater Elev.:	DEPTH	BLOW	Qu	W %
1	108+71	13.0'ft Rt.	817.20 ft										
FILL - Brown and black SANDY LOAM, little gravel, trace organic, moist A-2-4				5	5		11.0		809.2	19	28		
				6				N/A		30			
				6	7		13.1			8	16		
				4						36			
811.70													
Soft black and brown ORGANIC CLAY, moist A-8				3		B	76.2						
				4		0.4							
				6									
809.20													
Medium dense gray SAND and GRAVEL, wet to saturated A-1-b				9				784.20			47		8.9
				9						50/5"			
				9									
804.20													
Stiff to very stiff gray CLAY LOAM, trace gravel, occasional sand seams, moist A-4				6	P	2.0	9.7	779.20			31		
				11						50/5"			
				6									
799.20													
Medium dense gray fine to medium SAND, trace gravel, wet A-3				5	P	2.0	10.2				26		
				8						50/5"			
				13									
796.70													
Very dense gray SAND, little to some gravel, wet A-1-b				29				769.20			26	B	7.8
				34						47	6.07		
				50						50/3"			
769.20													
Hard gray CLAY LOAM, little gravel, moist A-4				12									
				33									
				38									
-25													

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
 Stations, Depths, Offset, and Elevations are in Feet

Testing Service Corporation

STRUCTURE BORING LOG

Date Started 9/20/09

Date Completed 9/20/09

STRUCTURE NO. 056-3193
 ROUTE TR32
 SECTION 08-00357-00-BR
 COUNTY McHenry

Boring No.	Station	Offset	Elevation	DEPTH	BLOW	Qu	W %
1	108+71	13.0'ft Rt.	767.20 ft				
Hard gray CLAY LOAM, little gravel, moist A-4							
764.20							
Very dense gray SANDY CLAY LOAM, trace gravel, moist A-4					65		8.4
					50/3"		
-55							
759.20							
Very dense gray fine to medium SAND, trace gravel, trace silt, wet A-3					100/5"		
757.20							
End of Boring at 60.0'							
Gus Pech GP-750 Truck Rig (#217)							
Rope and Cathead Hammer							
Rotary Wash Drill below 20.0'							
-65							
-70							
-75							

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
 Stations, Depths, Offset, and Elevations are in Feet

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USER NAME = dennism
 DESIGNED - MAG
 DRAWN - DJW
 CHECKED - AJS
 DATE - 2/17/14
 PLOT SCALE = 1:8000
 PLOT DATE = 1/30/2015

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	17
CONTRACT NO. 63869			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

Testing Service Corporation

STRUCTURE BORING LOG

Page 1 of 2

Date Started 9/20/09

Date Completed 9/20/09

ROUTE TR32 DESCRIPTION Noe Road over Rush Creek
 SECT. 08-00357-00-BR STRUCT. NO. 056-3193 DRILLED BY TSC L-72,491
 COUNTY McHenry LOCATION W. End North Abutment S. 8SE/9SW, TWP. 44N, RNG. 5E

Boring No.	Station	Offset	Surface Elev.	DEPTH	BLOW	Qu	W	Surface Water Elev.	Groundwater Elev.:	DEPTH	BLOW	Qu	W
3	109+64	11.0' Lt.	817.20 ft	H	S	tsf	%			H	S	tsf	%
4.0" Asphaltic Concrete ~816.99- FILL - Brown and gray SANDY LOAM, some gravel, moist A-2-4					5 6 11		8.8	See End Previous Column 791.70	806.7 806.2		37 37 30		
811.70 Black SILTY CLAY (Topsoil), some sand, A-7-6					2 3 5	P 1.5	67.9						
809.20 Medium dense gray SAND and GRAVEL, very moist to wet a-1-b					9 13 15			784.20			26 50/6"		
804.20 Dense brown and gray SANDY LOAM, some gravel, very moist A-2-4					8 16 27		7.8				100/5"		
801.70 Very dense gray SAND and GRAVEL, wet A-1-a					26 25 30								
799.20 Very dense gray fine to medium SAND, trace gravel, trace silt, wet A-3					26 31 45			774.20			42 50/3"	11.3	
794.20 Very dense gray SAND, some gravel, wet A-1-b					31 36 45								
					20 28 29						56 50/5"	9.3	

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
 Stations, Depths, Offset, and Elevations are in Feet

Testing Service Corporation

STRUCTURE BORING LOG

Page 2 of 2

Date Started 9/20/09

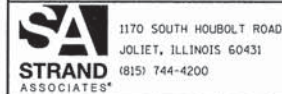
Date Completed 9/20/09

STRUCTURE NO. 056-3193
 ROUTE TR32
 SECTION 08-00357-00-BR
 COUNTY McHenry

Boring No.	Station	Offset	Elevation	DEPTH	BLOW	Qu	W
3	109+64	11.0' Lt.	767.20 ft	H	S	tsf	%
Very dense gray fine to medium SAND, trace gravel, trace to little clay, wet A-3							
764.20 Very dense gray SILTY LOAM, some fine sand, moist A-4					64 50/5"		10.8
759.20 Very dense gray SANDY LOAM, trace to little gravel, moist A-2-4					100/5"		8.1
757.20							
End of Boring at 60.0'							
Gus Pech GP-750 Truck Rig (#217) Rope and Cathead Hammer 3.25" (83 mm) ID HSA							

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
 Stations, Depths, Offset, and Elevations are in Feet

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1170 SOUTH HOBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 PLOT DATE = 1/30/2015

USER NAME = dennisw
 DESIGNED - MAG
 DRAWN - DJW
 CHECKED - AJS
 DATE - 2/17/14

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

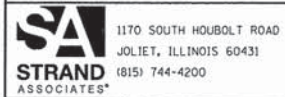
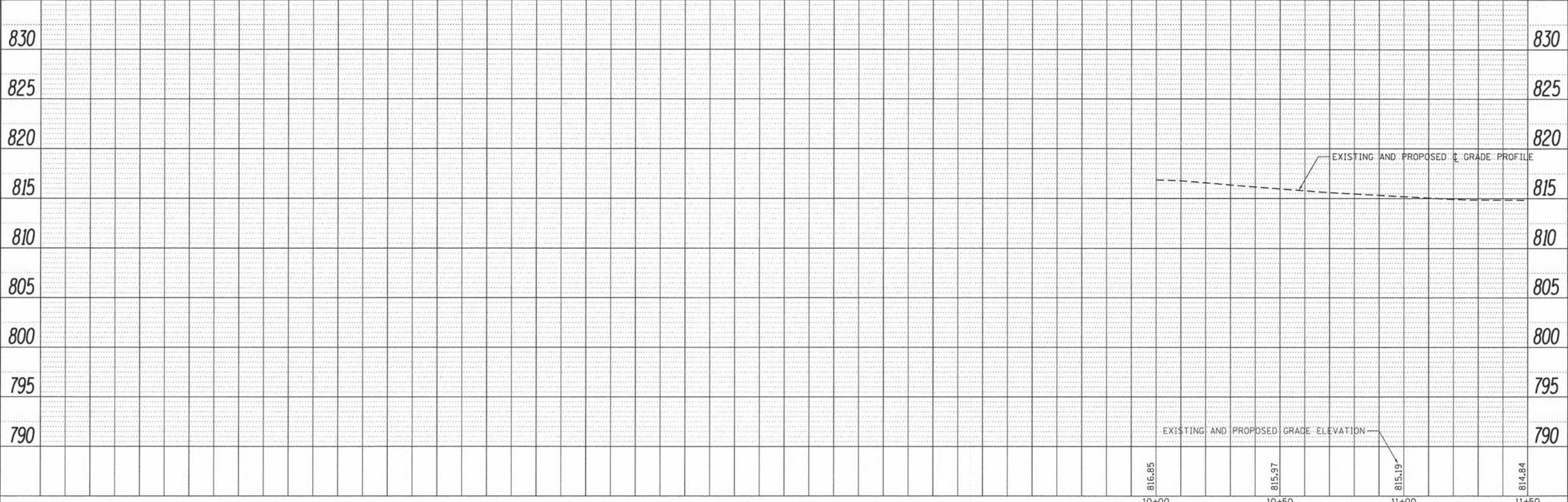
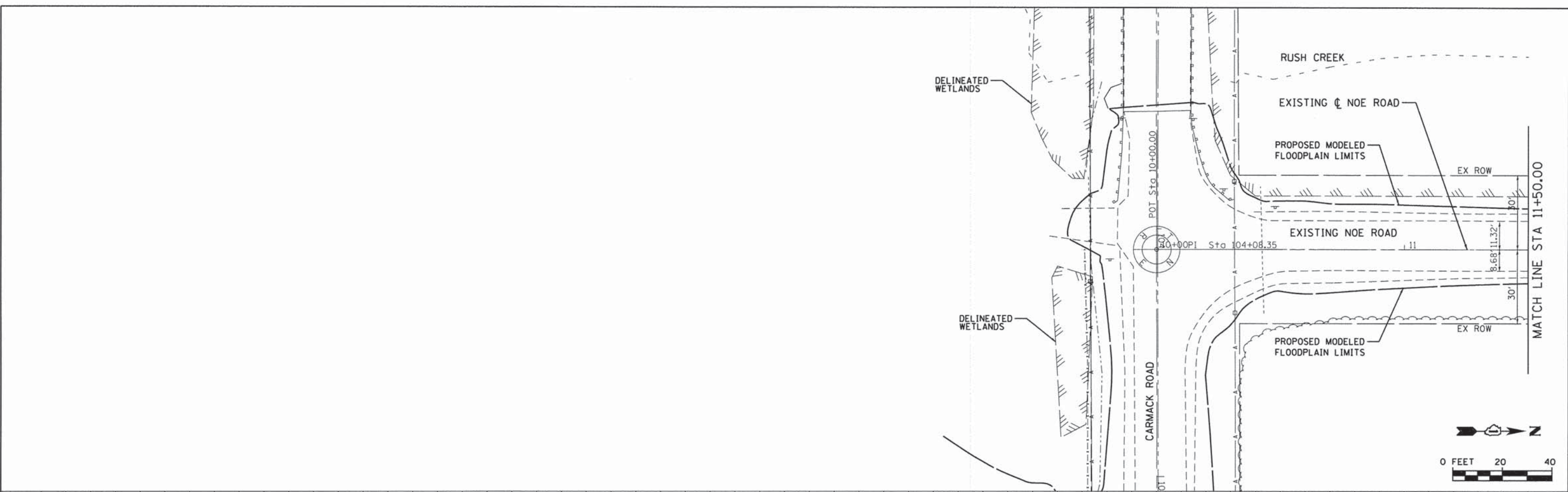
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TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	19
CONTRACT NO. 63869				
FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT				

PLAN	SUBMITTED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	NOTE BOOK	
	CADD FILE NAME	
	NO.	

PROFILE	SUBMITTED	DATE
	PLOTTED	
	GRADES CHECKED	
	NOTE BOOK	
	STRUCTURE	
	NOTATION	
	CHKD	
	NO.	

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	DATE - 2/17/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

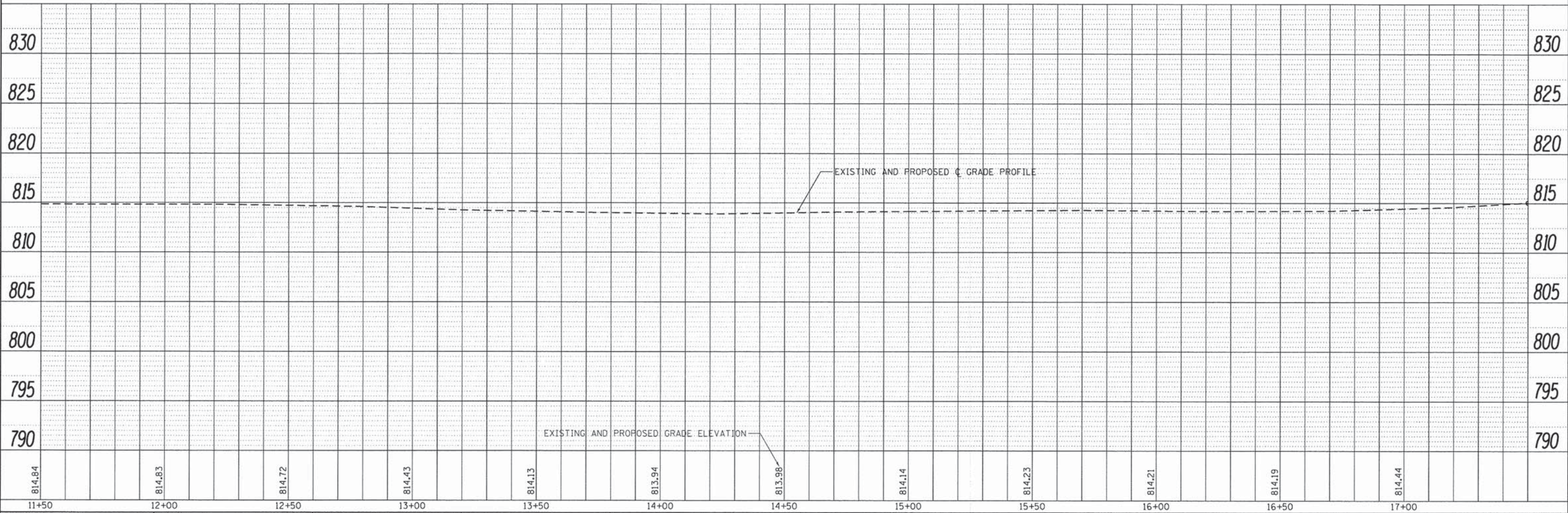
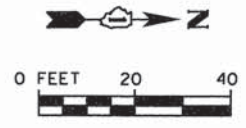
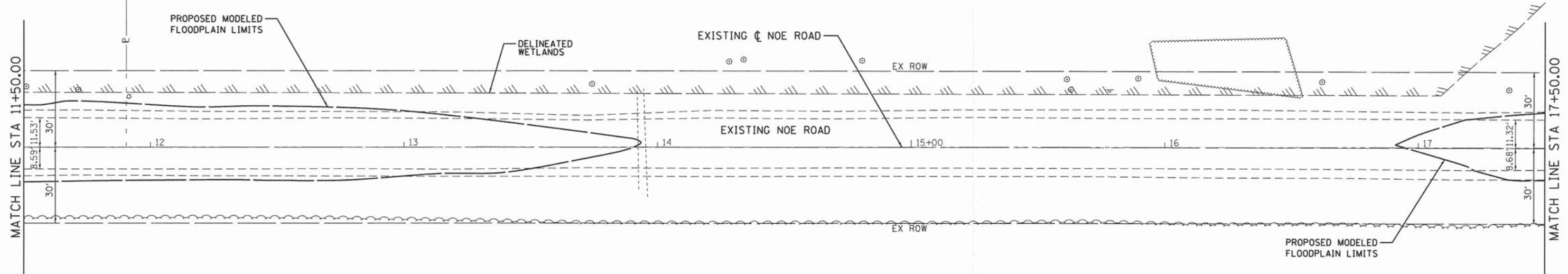
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SCALE:	SHEET OF SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	20
CONTRACT NO. 63869				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SUBMITTED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	CADD FILE NAME	
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PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHVD	
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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
STRAND ASSOCIATES

USER NAME = dennisw	DESIGNED - MAG	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 1/30/2015	CHECKED - AJS	REVISED -
	DATE - 2/17/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

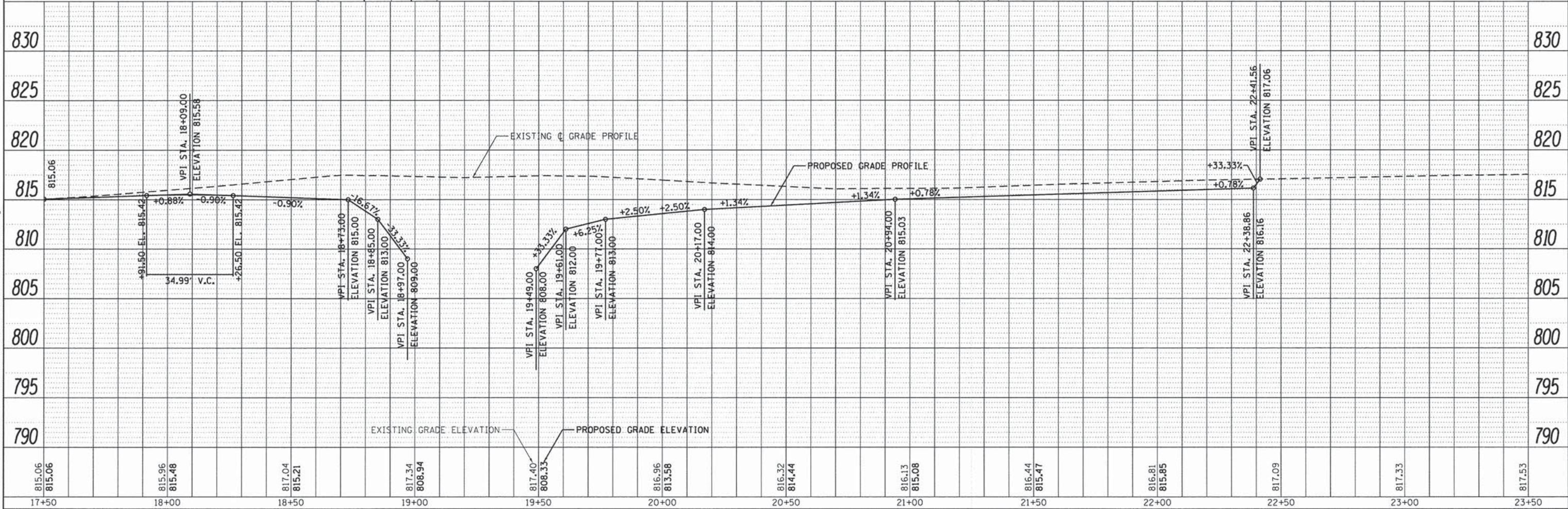
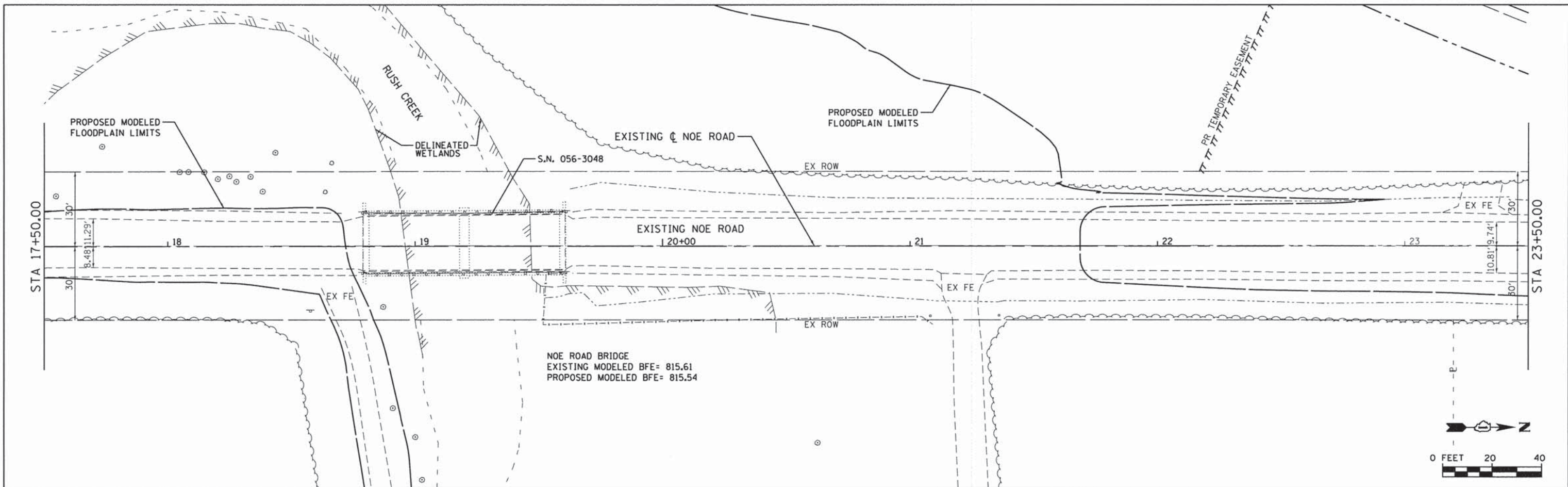
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SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	21
FED. ROAD DIST. NO. 1				ILLINOIS FED. AID PROJECT
CONTRACT NO. 63869				

PLAN	SUBMITTED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
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	DATE _____	
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PROFILE	SUBMITTED	DATE
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	GRADES CHECKED	
	NOTE BOOK	
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	DATE _____	
	STRUCTURE NOTATIONS CHK'D	
	NO. _____	

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STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = dennisw	DESIGNED - MAG	REVISED -
PLLOT SCALE = 20.0000' / in.	DRAWN - DJW	REVISED -
PLLOT DATE = 1/30/2015	CHECKED - AJS	REVISED -
	DATE - 2/17/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

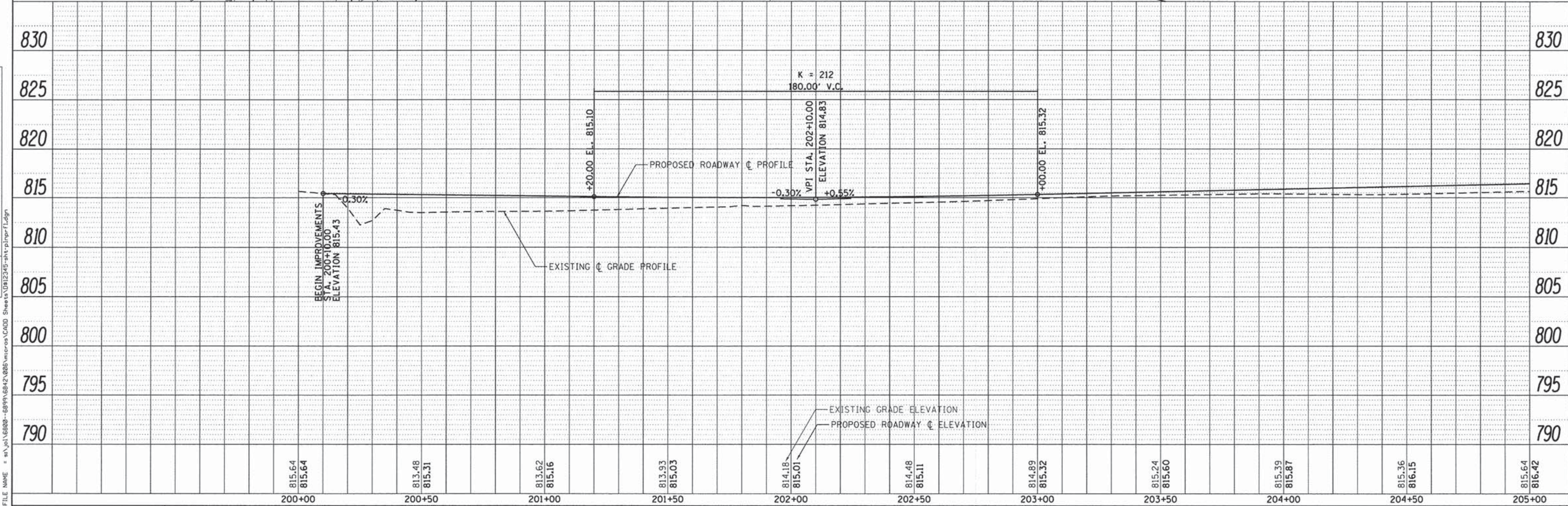
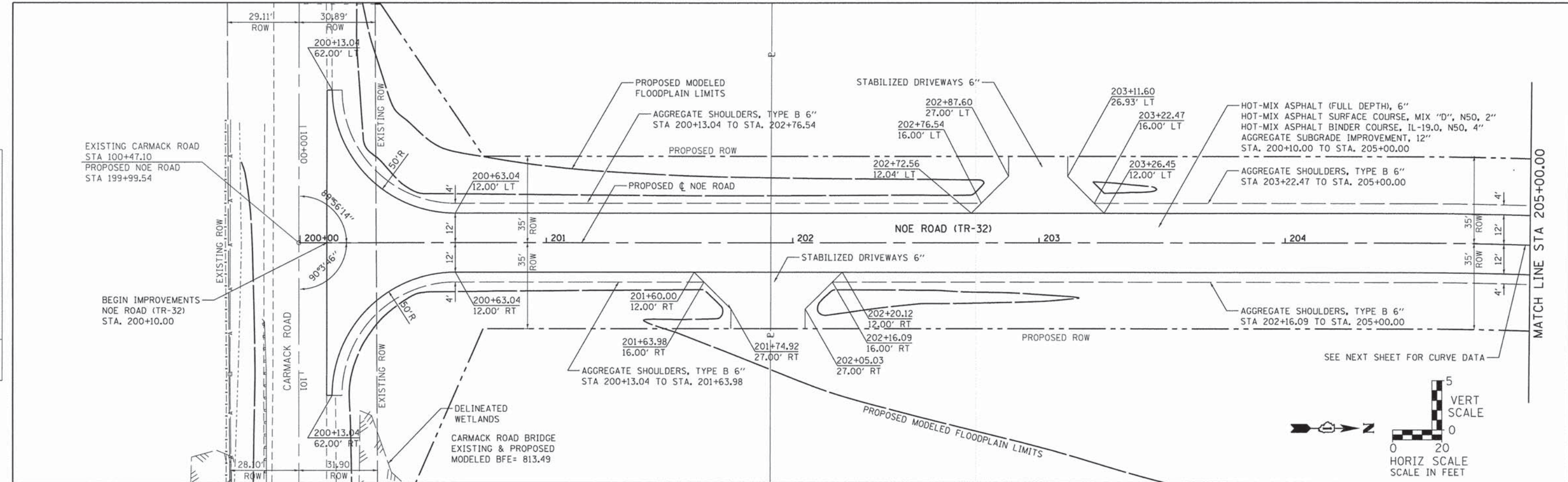
EXISTING NOE ROAD PLAN AND PROFILE

SCALE: SHEET OF SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	22
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63869	

PLAN	SURVEYED	DATE
	PLOTTED	
	NOTE BOOK	
	ALIGNMENT CHECKED	
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	NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
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	CADD FILE NAME	



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200+00	200+50	201+00	201+50	202+00	202+50	203+00	203+50	204+00	204+50	205+00											

SA STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = dennisw	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - AJS	REVISED -
PLOT DATE = 1/30/2015	DATE - 2/17/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

NOE ROAD PLAN AND PROFILE

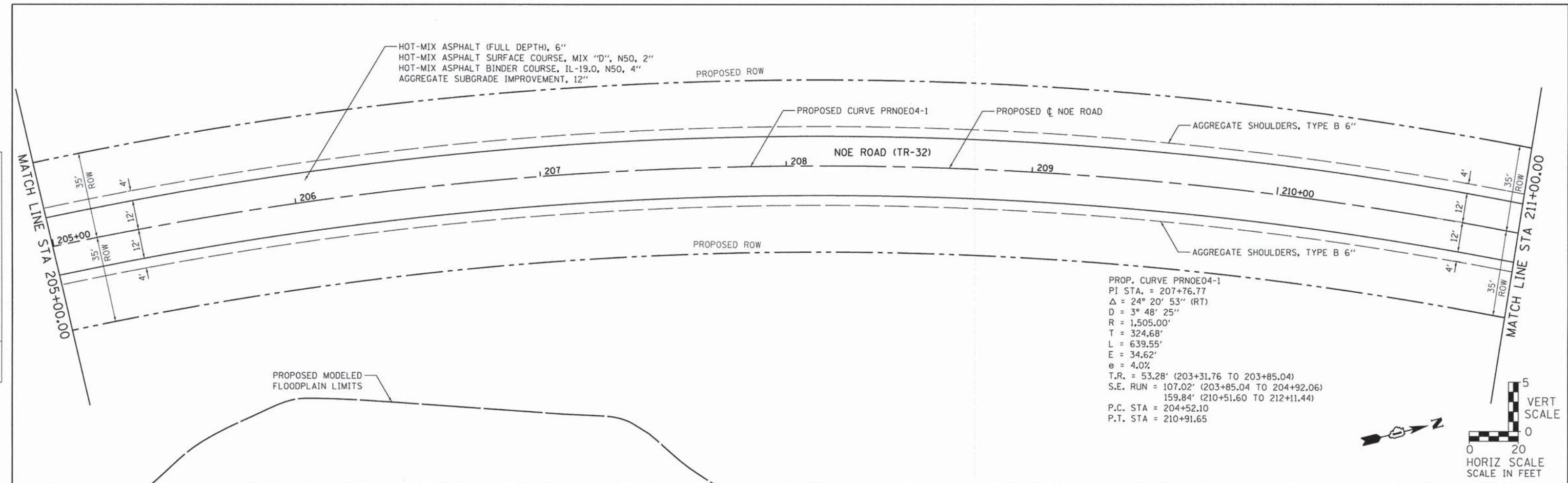
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TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63869	

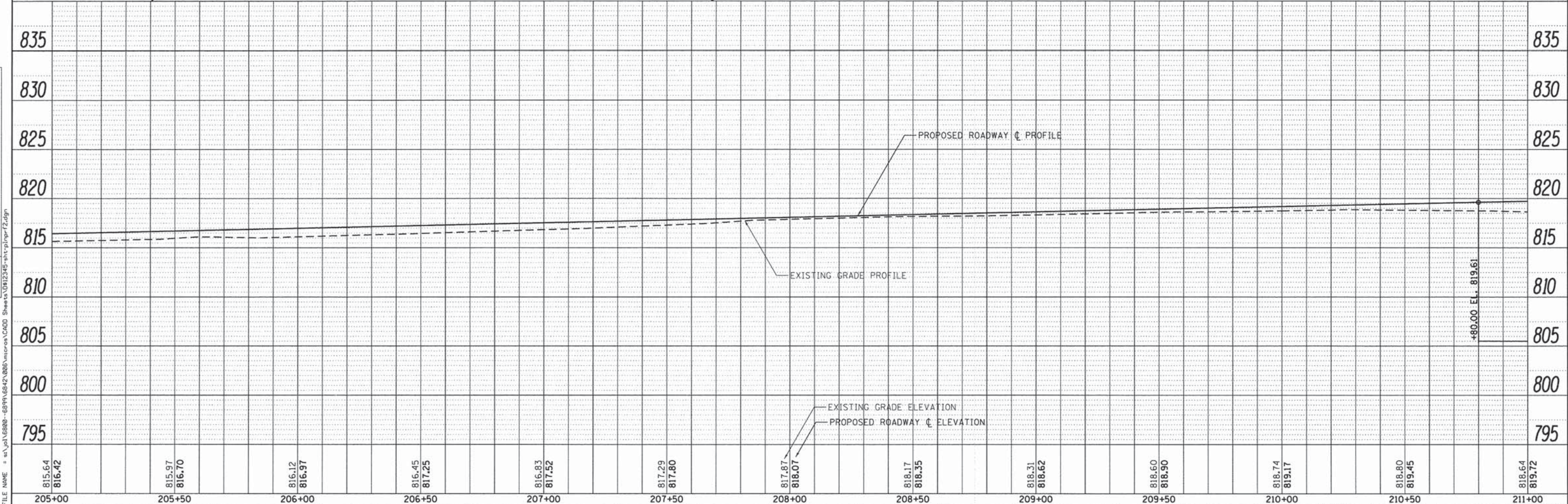
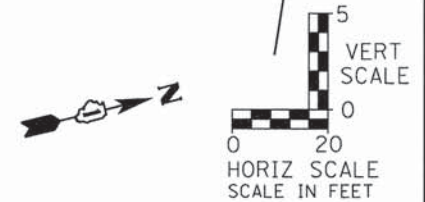
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	CADD FILE NAME	
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PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	



PROP. CURVE PRNOE04-1
 PI STA. = 207+76.77
 $\Delta = 24^\circ 20' 53''$ (RT)
 $D = 3^\circ 48' 25''$
 $R = 1,505.00'$
 $T = 324.68'$
 $L = 639.55'$
 $E = 34.62'$
 $e = 4.0\%$
 T.R. = 53.28' (203+31.76 TO 203+85.04)
 S.E. RUN = 107.02' (203+85.04 TO 204+92.06)
 159.84' (210+51.60 TO 212+11.44)
 P.C. STA = 204+52.10
 P.T. STA = 210+91.65



815.64 816.42	815.97 816.70	816.12 816.97	816.45 817.25	816.83 817.52	817.29 817.80	817.87 818.07	818.17 818.35	818.31 818.62	818.60 818.90	818.74 819.17	818.80 819.45	818.64 819.72
205+00	205+50	206+00	206+50	207+00	207+50	208+00	208+50	209+00	209+50	210+00	210+50	211+00

1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES

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PLOT DATE = 1/30/2015	CHECKED - AJS	REVISED -
	DATE - 2/17/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

NOE ROAD PLAN AND PROFILE

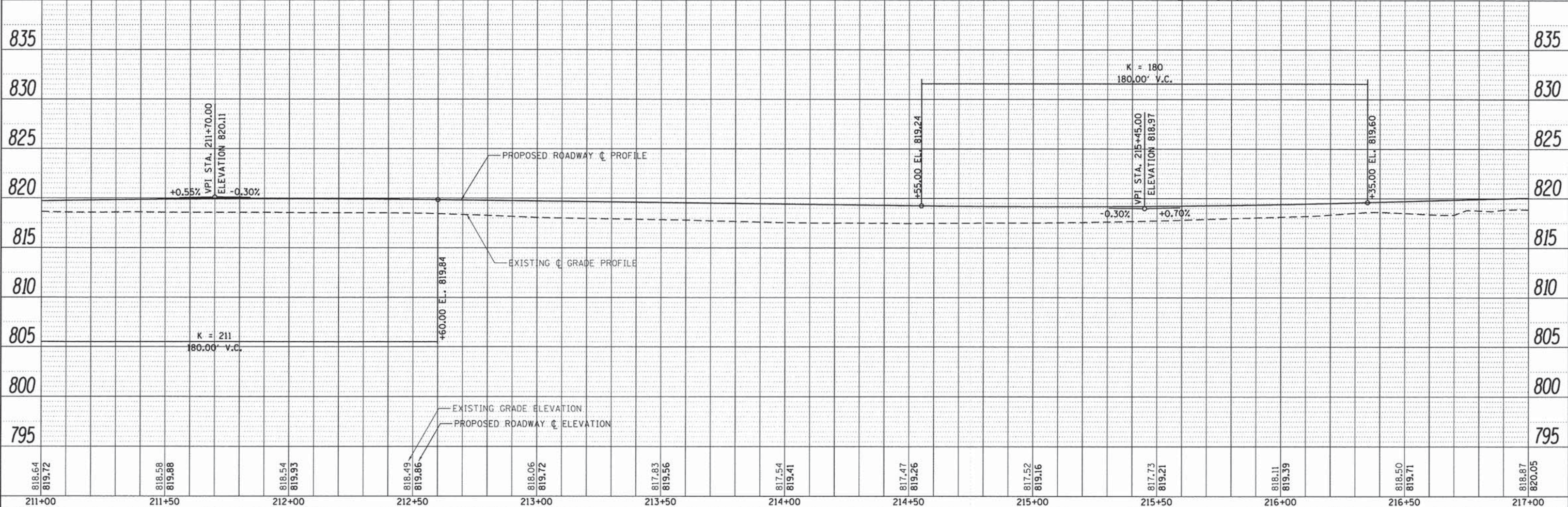
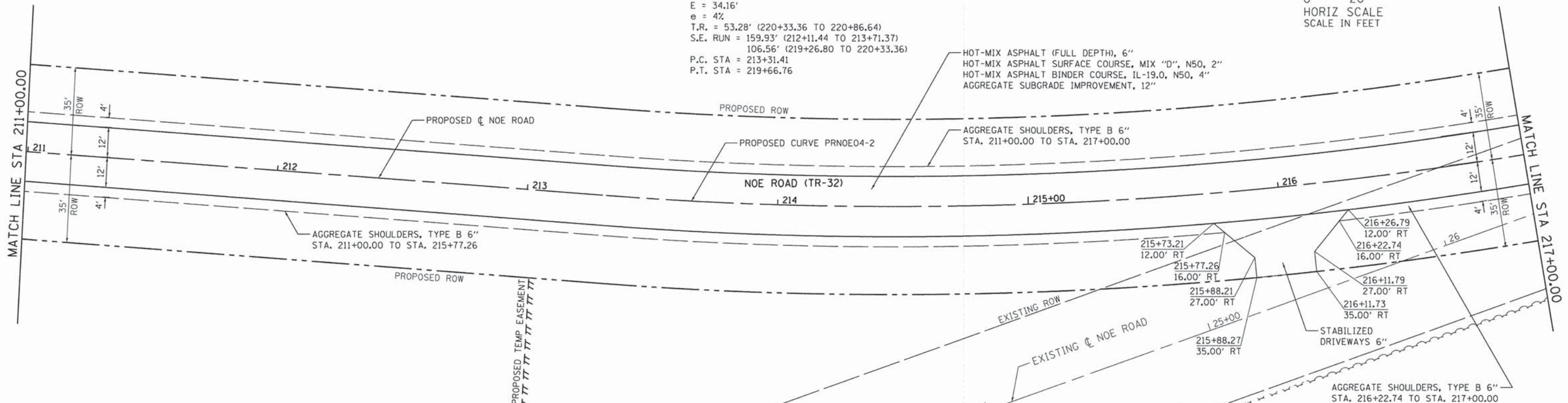
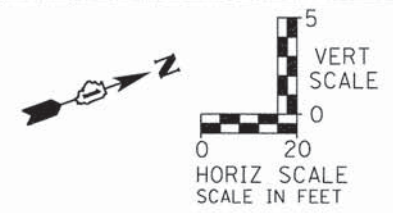
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TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	24
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63869	

PLAN	SUBMITTED	DATE
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	ALIGNED	
	CHECKED	
	CADD FILE NAME	
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PROFILE	SUBMITTED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

PROP. CURVE PRNOE04-2
 PI STA. = 216+53.89
 $\Delta = 24^\circ 11' 17''$ (LT)
 $D = 3^\circ 48' 25''$
 $R = 1,505.00'$
 $T = 322.48'$
 $L = 635.35'$
 $E = 34.16'$
 $e = 4\%$
 $T.R. = 53.28'$ (220+33.36 TO 220+86.64)
 $S.E. RUN = 159.93'$ (212+11.44 TO 213+71.37)
 $106.56'$ (219+26.80 TO 220+33.36)
 $P.C. STA = 213+31.41$
 $P.T. STA = 219+66.76$



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USER NAME = dennisw	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
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PLOT DATE = 1/30/2015	DATE - 2/17/14	REVISED -

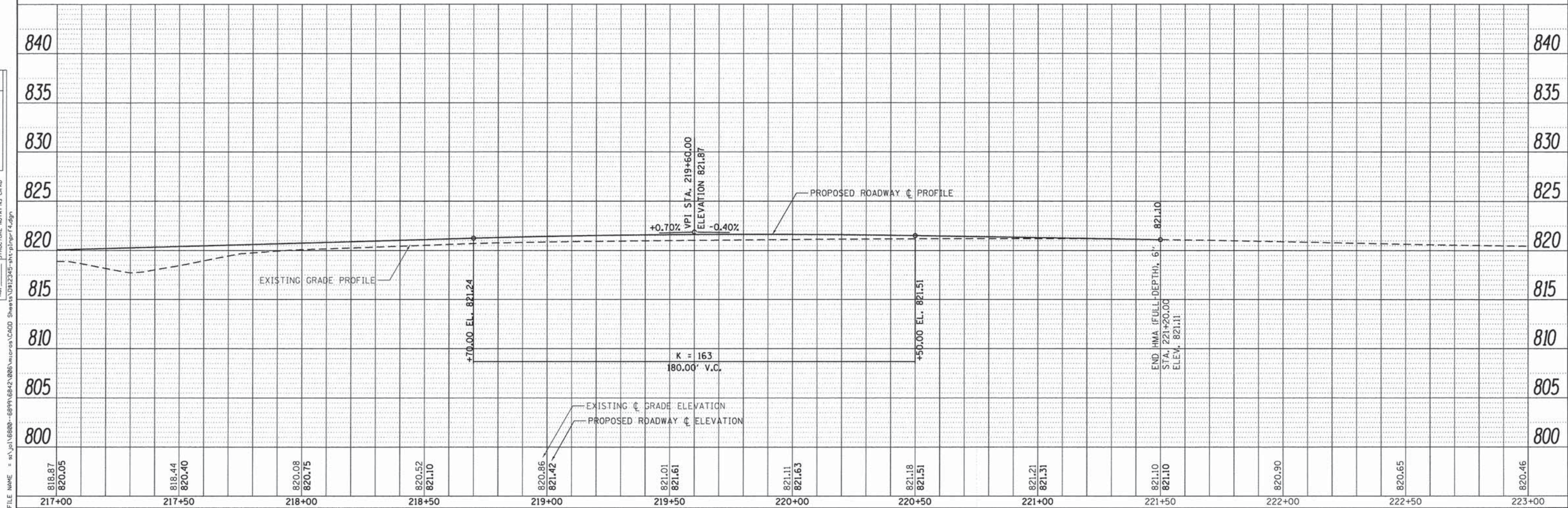
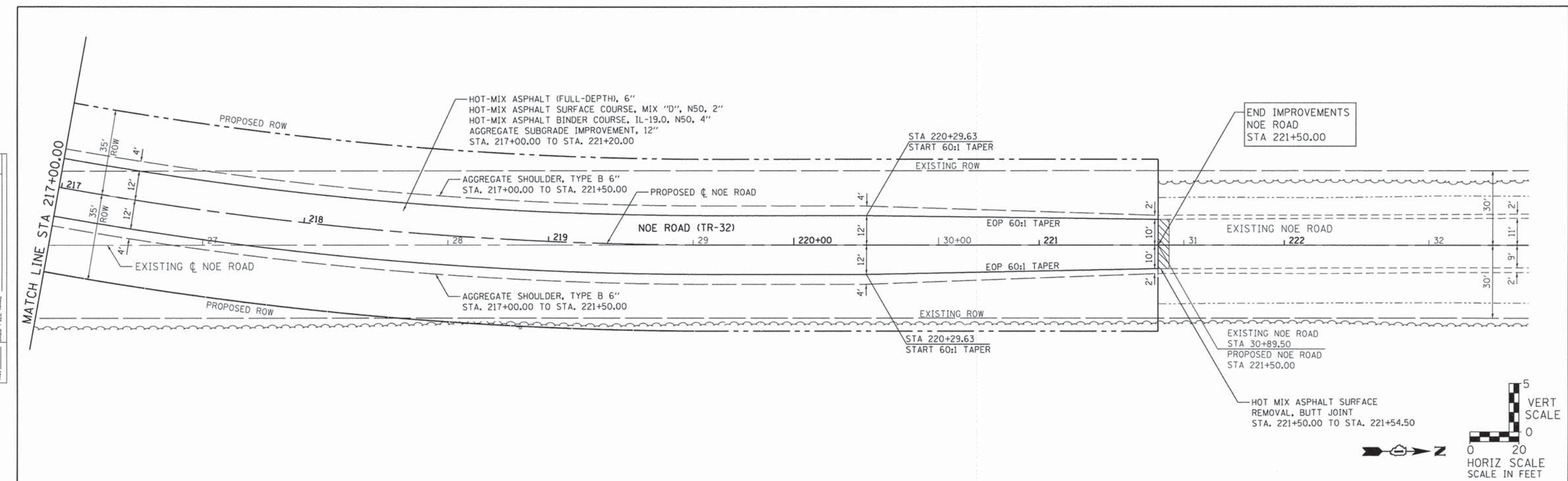
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NOE ROAD PLAN AND PROFILE	
SCALE:	SHEET 3 OF 5 SHEETS STA. 211+00.00 TO STA. 217+00.00

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	25
CONTRACT NO. 63869			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
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	NOTE BOOK	
	NO.	
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	NO. STAT'NS	
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PROFILE	SURVEYED	DATE
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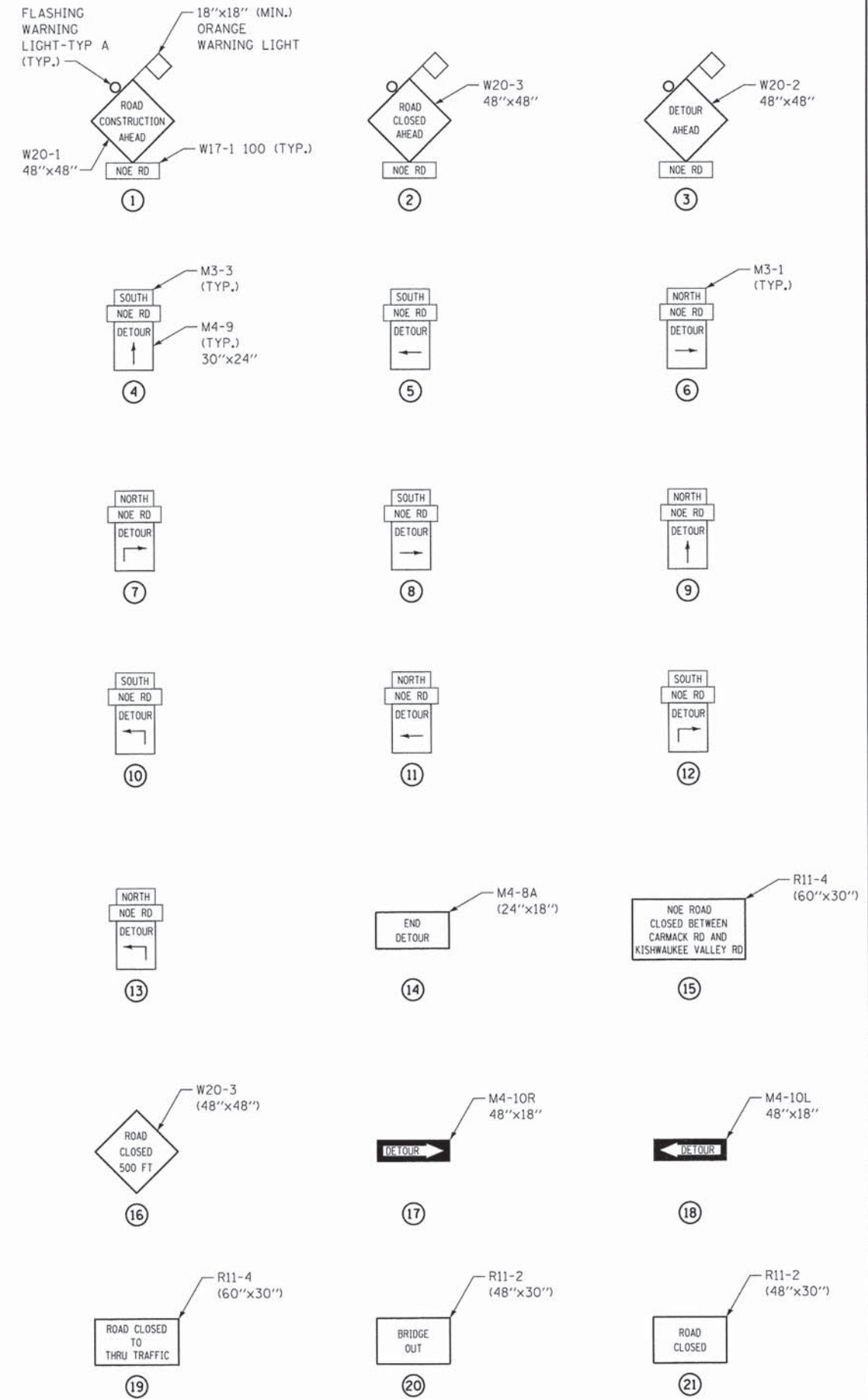
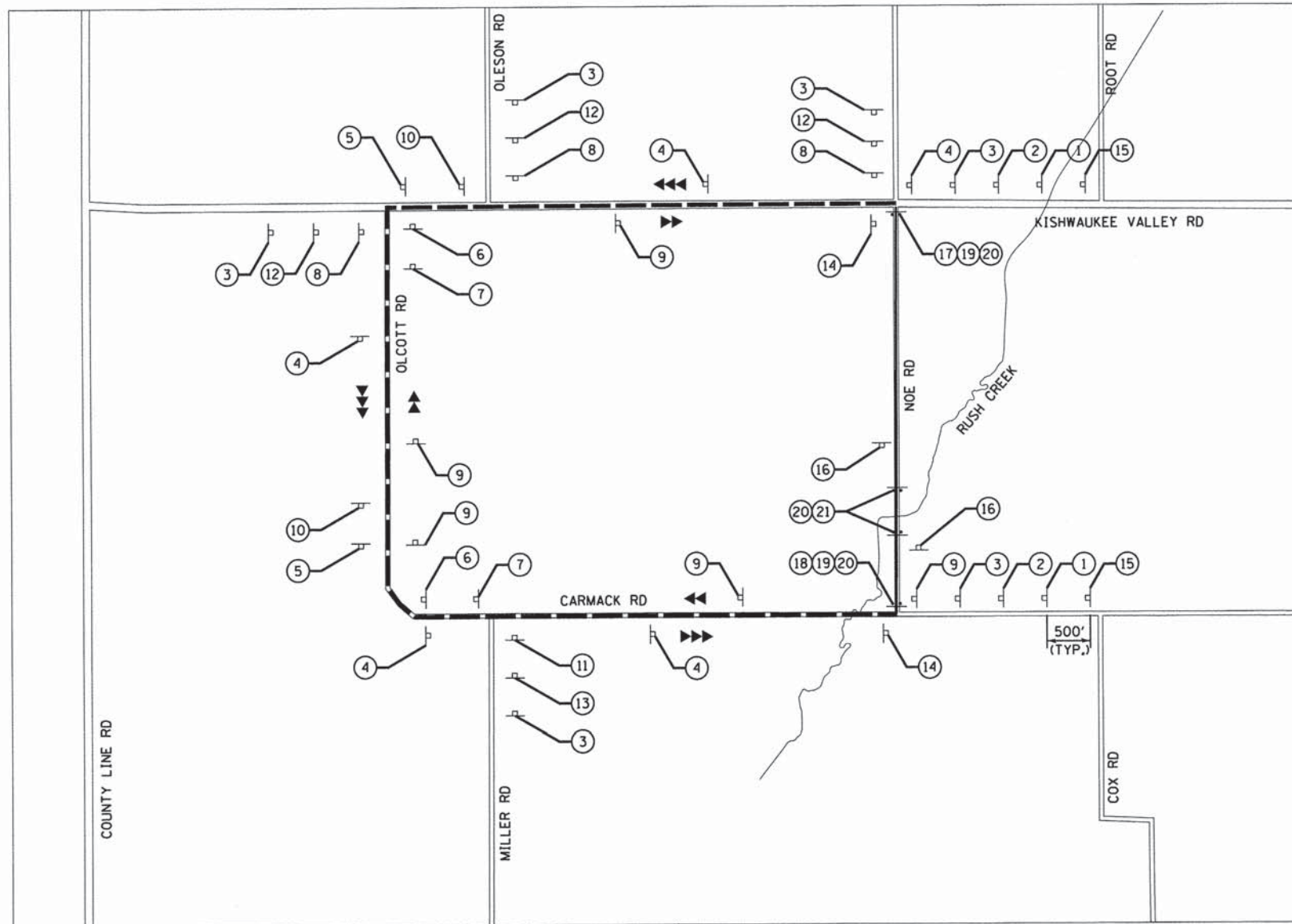
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	DATE - 2/17/14	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1" = 40'	SHEET 4 OF 5 SHEETS	STA. 217+00.00 TO STA. 221+50.00
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TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	26
FED. ROAD DIST. NO. 1			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 63869				



LEGEND:

- ▬ SIGN
- ▬ TYPE III BARRICADES
- ▬ NORTHBOUND DETOURED TRAFFIC
- ▬ SOUTHBOUND DETOURED TRAFFIC
- ▬ PROPOSED DETOUR
- ▬ ROAD CLOSED

MAINTENANCE OF TRAFFIC NOTES:

1. THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE IN CONSTRUCTION STAGING.
2. THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR. ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. THIS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
3. THE CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS TO ALL ENTRANCES DURING THE CONSTRUCTION OF THE PROJECT. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR TEMPORARY ACCESS (FIELD ENTRANCE).

▭ INDICATES WORK INCLUDED IN COST OF OTHER ITEMS

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 (815) 744-4200

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PLOT SCALE = 50,0000' / in.	DRAWN - BJF	REVISED -
PLOT DATE = 1/30/2015	CHECKED - AJS	REVISED -
	DATE - 11/12/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY DETOUR PLAN

SCALE: AS SHOWN SHEET NO. OF SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	27
CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

IN-STREAM SEDIMENT AND EROSION CONTROL

THE CONTRACTOR SHALL CONTACT THE U.S. ARMY CORPS OF ENGINEERS, CHICAGO DISTRICT, WITH A PROPOSED COFFERDAM PLAN MEETING THE STANDARDS LISTED BELOW. MEANS AND METHODS FOR COMPLETING WORK WITHIN A WATERWAY MUST BE APPROVED BY THE CORPS PRIOR TO THE COMMENCEMENT OF WORK, THE CORPS AND ENGINEER WILL APPROVE THE COFFERDAM PLAN TO ENSURE IT MEETS EROSION AND SEDIMENT CONTROL STANDARDS. HOWEVER, IT IS INCUMBENT UPON THE CONTRACTOR TO ENSURE THAT ALL COFFERDAMS ARE CONSTRUCTED TO WITHSTAND EXPECTED FLOWS. ALL WORK NEEDED TO SATISFY ACOE REQUIREMENTS SHALL BE INCLUDED IN THE COST FOR REMOVAL OF EXISTING STRUCTURES.

1. WORK WITHIN A WATERWAY MUST MEET THE FOLLOWING STANDARDS:
2. WATER SHALL BE ISOLATED FROM THE IN-STREAM WORK AREA USING A NON-ERODIBLE PROPOSED COFFERDAM (STEEL SHEETS, AQUA BARRIERS, ETC.). EARTHEN COFFERDAMS ARE NOT PERMISSIBLE.
3. WORK MAY NOT BE PERFORMED IN THE WATER, EXCEPT FOR THE PLACEMENT OF THE MATERIALS NECESSARY FOR THE CONSTRUCTION OF THE COFFERDAM. THE COFFERDAM MUST BE CONSTRUCTED FROM THE UPLAND AREA AND NO EQUIPMENT MAY ENTER THE WATER AT ANY TIME. ONCE THE COFFERDAM IS IN PLACE AND THE ISOLATED AREA IS DEWATERED, EQUIPMENT MAY ENTER THE COFFERED AREA TO PERFORM THE REQUIRED WORK.
4. IF BYPASS PUMPING IS NECESSARY, THE PUMP SHALL BE PLACED ON A STABLE SURFACE OR FLOATED TO PREVENT SEDIMENT FROM BEING SUCKED INTO THE HOSE. THE BYPASS DISCHARGE SHALL BE PLACED ON A NON-ERODIBLE, ENERGY DISSIPATING SURFACE PRIOR TO REJOINING THE STREAM FLOW AND SHALL NOT CAUSE EROSION OF DOWNSTREAM AREAS. BYPASS WATER WILL BE FILTERED USING BMP TO MINIMIZE SEDIMENT TO DOWNSTREAM AREAS UNLESS OTHERWISE APPROVED BY ENGINEER.
5. DURING DEWATERING OF THE COFFERED AREA, ALL WATER MUST BE FILTERED TO REMOVE SEDIMENT, POSSIBLE OPTIONS FOR SEDIMENT REMOVAL INCLUDING BAFFLE SYSTEMS, ANIONIC POLYMERS, DEWATERING BAGS OR OTHER APPROPRIATE METHODS. WATER SHALL HAVE SEDIMENT REMOVED PRIOR TO BEING REINTRODUCED TO THE DOWNSTREAM WATERWAY. DISCHARGE WATER IS CONSIDERED CLEAN IF IT DOES NOT RESULT IN A VISUALLY IDENTIFIABLE DEGRADATION OF WATER CLARITY. THIS WORK SHALL BE PAID FOR IN ACCORDANCE WITH ARTICLE 502.13.
6. THE SIDE SLOPES SHALL BE RESEDED AND STABILIZED ACCORDING TO THE RUSH CREEK TYPICAL SECTION, THE SUBSTRATE SHALL BE STABLE ENOUGH TO ACCEPT FLOWS.
7. WHERE STREAM DISTURBANCE IS NECESSARY, THE STREAM BED AND BANKS SHALL BE STABILIZED WITHIN FORTY-EIGHT (48) HOURS AFTER DISTURBANCE IS COMPLETED OR INTERRUPTED.
8. ALL MOTORIZED EQUIPMENT OPERATIONS SHOULD BE CONDUCTED FROM THE BANK TO THE GREATEST EXTENT POSSIBLE. IF AT ALL POSSIBLE, NO MACHINERY (TRUCKS, CRANES, BACKHOES, EXCAVATORS) SHOULD WORK OR OTHERWISE OPERATE FROM WITHIN THE RIVERBED. THE STREAM BOTTOM SHOULD BE RESTORED USING THE NATURAL SUBSTRATE.
9. NO MIXES, CEMENTS, FLUIDS, OR OTHER CONSTRUCTION WASTEWATER SHOULD BE DISCHARGED INTO THE CREEK.
10. APRONS, SHROUDS, AND/OR OTHER CONTAINMENT DEVICES SHOULD BE IN PLACE DURING BRIDGE DEMOLITION, BRIDGE CONSTRUCTION, AND SURFACING ACTIVITIES TO CAPTURE FALLING DEBRIS, PAINT, WELDING SLAG, SEALANT OVERSPRAY, OR OTHER DEBRIS. ALL CONCRETE CHUNKS, ASPHALT, GRINDINGS, CONCRETE MATERIALS, WOOD, REBAR, AND OTHER DEBRIS GENERATED DURING DEMOLITION OR CONSTRUCTION THAT ENTERS THE CREEK SHOULD BE IMMEDIATELY REMOVED AND TAKEN TO AN APPROPRIATE DISPOSAL FACILITY OUTSIDE OF THE 100-YEAR FLOODPLAIN.

INDICATES WORK INCLUDED IN COST OF OTHER ITEMS

EROSION AND SEDIMENT CONTROL

1. ALL AREAS OF BARE GROUND WILL BE TEMPORARILY SEEDED NO MORE THAN SEVEN (7) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASES ON ALL DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION WILL NOT OCCUR FOR A PERIOD OF FOURTEEN (14) OR MORE CALENDAR DAYS.
2. ALL AREAS WITHIN RIGHT OF WAY WILL BE RESTORED WITH 6" TOPSOIL, HEAVY DUTY EROSION CONTROL BLANKET AND SEEDING, CLASS 2A, CLASS 4 OR CLASS 4B.
3. TEMPORARY DITCH CHECKS SHALL BE ACCORDING TO MCHENRY COUNTY'S STANDARD FOR URETHANE FOAM/GEOTEXTILE DITCH CHECK DETAIL CONTAINED IN THE PLANS.
4. NO WORK SHALL BE PERFORMED IN FLOWING WATER. WORK IN OR NEAR THE CRITICAL AREAS SHOULD BE ISOLATED FROM CONCENTRATED FLOWS OR STREAM FLOW, ONCE WORK IN THIS AREA BEGINS, PRIORITY SHALL BE GIVEN TO THE COMPLETION OF THE WORK AND FINAL STABILIZATION OF ALL DISTURBED AREAS.
5. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. AREAS OF THE PROJECT SITE THAT ARE NOT TO BE GRADED SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC OR OTHER DISTURBANCE UNTIL FINAL SEEDING IS PERFORMED.
6. PROPERTIES AND CHANNELS ADJOINING THE PROJECT SITE SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION.
7. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
8. PLACEMENT OF TOPSOIL SHALL BE COMPLETED WITHIN 10-15 DAYS AFTER THE COMPLETION OF PAVING UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
9. ALL PIPE CULVERTS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
10. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G., SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURES). THIS WORK SHALL BE PAID FOR IN ACCORDANCE WITH ARTICLE 502.13.
11. ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.
12. SOIL STOCKPILES SHALL NOT BE LOCATED IN A FLOOD-PRONE AREA OR A DESIGNATED BUFFER PROTECTING WATERS OF THE UNITED STATES OR ISOLATED WATERS OF MCHENRY COUNTY.
13. THE CONTRACTOR SHALL PROVIDE ADEQUATE RECEPTACLES FOR THE DISPOSAL OF ALL CONSTRUCTION MATERIAL DEBRIS GENERATED DURING THE DEVELOPMENT PROCESS. THE CONTRACTOR SHALL NOT CAUSE OR PERMIT THE DUMPING, DEPOSITING, DROPPING, THROWING, DISCARDING OR LEAVING OF CONSTRUCTION MATERIALS DEBRIS UPON OR INTO ANY DEVELOPMENT SITE, CHANNEL, WATERS OF THE U.S. OR ISOLATED WATERS OF MCHENRY COUNTY. THE CONTRACTOR SHALL MAINTAIN THE DEVELOPMENT SITE FREE OF CONSTRUCTION MATERIAL DEBRIS.
14. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN AN EFFECTIVE WORKING CONDITION.
15. TEMPORARY EROSION CONTROL BLANKET SHALL BE USED ON ALL AREAS OF PERMANENT SEEDING AND SHALL BE IN ACCORDANCE WITH THE "ILLINOIS URBAN MANUAL", LATEST EDITION AND "IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" SECTIONS, LATEST EDITION SECTION 251.04.
16. WHERE STREAM BED DISTURBANCE IS NECESSARY, THE STREAM INCLUDING BED AND BANKS SHALL BE RESTABILIZED WITHIN FORTY-EIGHT (48) HOURS AFTER DISTURBANCE IS COMPLETE OR INTERRUPTED.
17. STRAW AND SILT FENCE BARRIERS SHALL NOT BE USED IN ACCORDANCE WITH THE "ILLINOIS URBAN MANUAL" FOR INLET AND PIPE PROTECTION.
18. REMOVE ALL TRACES OF CONSTRUCTION MATERIALS AND EQUIPMENT FROM THE PROJECT SITE UPON PROJECT COMPLETION.
19. ALL FUELING OPERATIONS, LUBRICATING, HYDRAULIC TOPPING OFF, FUEL TANK PURGING, AND EQUIPMENT MAINTENANCE/REPAIRS SHOULD BE PERFORMED AT AN UPLAND SITE OUTSIDE THE 100-YEAR FLOODPLAIN. THESE ACTIVITIES SHOULD TAKE PLACE ON AN APPROVED PAD WITH SPILL CONTROL/COLLECTION DEVICES IN PLACE. THE USE OF CANOLA OIL OR OTHER BIODEGRADABLE FUELS AND FLUIDS IS RECOMMENDED WHEN WORKING IN SENSITIVE RIVERINE ENVIRONMENTS.
20. ALL CONSTRUCTION EQUIPMENT SHOULD BE INSPECTED DAILY FOR HYDRAULIC AND FUEL LEAKS; LEAKS SHOULD BE REPAIRED PRIOR TO OPERATION WITHIN 1000 FEET OF THE CREEK. WHEN NOT IN USE, FUEL AND HYDRAULIC FLUIDS SHOULD BE STORED AT AN UPLAND SITE OUTSIDE OF THE 100-YEAR FLOODPLAIN. THE USE OF CANOLA OIL OR OTHER BIODEGRADABLE FUELS AND FLUIDS IS RECOMMENDED WHEN WORKING IN SENSITIVE RIVERINE ENVIRONMENTS.

EROSION AND SEDIMENT CONTROL MAINTENANCE

1. TEMPORARY EROSION BARRIER: AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL SILT FENCE WEEKLY OR AFTER EACH ONE-HALF INCH OR GREATER RAINFALL EVENT. ANY REQUIRED REPAIRS SHALL BE MADE BY THE CONTRACTOR TO KEEP THE SILT FENCE FUNCTIONAL AS DESIGNED.
2. TEMPORARY EROSION CONTROL BLANKET AND TURF REINFORCEMENT MATS: AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL TEMPORARY HEAVY DUTY EROSION CONTROL BLANKETS WEEKLY OR AFTER EACH ONE-HALF INCH OR GREATER RAINFALL EVENT. ANY REQUIRED REPAIRS SHALL BE MADE BY THE CONTRACTOR TO KEEP THE TEMPORARY EROSION CONTROL BLANKET FUNCTIONAL AS DESIGNED.
3. PER ARTICLE 280.08 EARTH EXCAVATION FOR SEDIMENT BASINS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION FOR EROSION CONTROL.
4. AGGREGATE USED FOR SEDIMENT BASINS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR AGGREGATE (EROSION CONTROL).

CONSTRUCTION SEQUENCE

1. INSTALL SEDIMENT AND EROSION CONTROL SYSTEMS
2. COMPLETE TREE REMOVAL, CLEARING, AND GRUBBING
3. STRIP AND STOCKPILE TOPSOIL AND BEGIN MASS GRADING OF PROPOSED NOE ROAD. TEMPORARY SEED AS REQUIRED.
4. INSTALL TURBIDITY BARRIER IN RUSH CREEK AND REMOVE EXISTING SUPER STRUCTURE AND ABUTMENTS.
5. REMOVE EXISTING NOE ROAD AND PERFORM GRADING. INSTALL STONE OUTCROPPING AT RUSH CREEK.
6. INSTALL COFFERDAM LOCATION 1, REMOVE PIER.
7. REMOVE COFFERDAM AND COMPLETE RESTORATION OF EXISTING NOE ROAD.
8. COMPLETE ROADWAY REPLACEMENT INCLUDING BINDER AND GRADING.
9. COMPLETE FINAL SURFACE, PAVEMENT MARKINGS, AND RESTORATION.
10. REMOVE EROSION CONTROL MEASURES AND RESTORE AS NEEDED.

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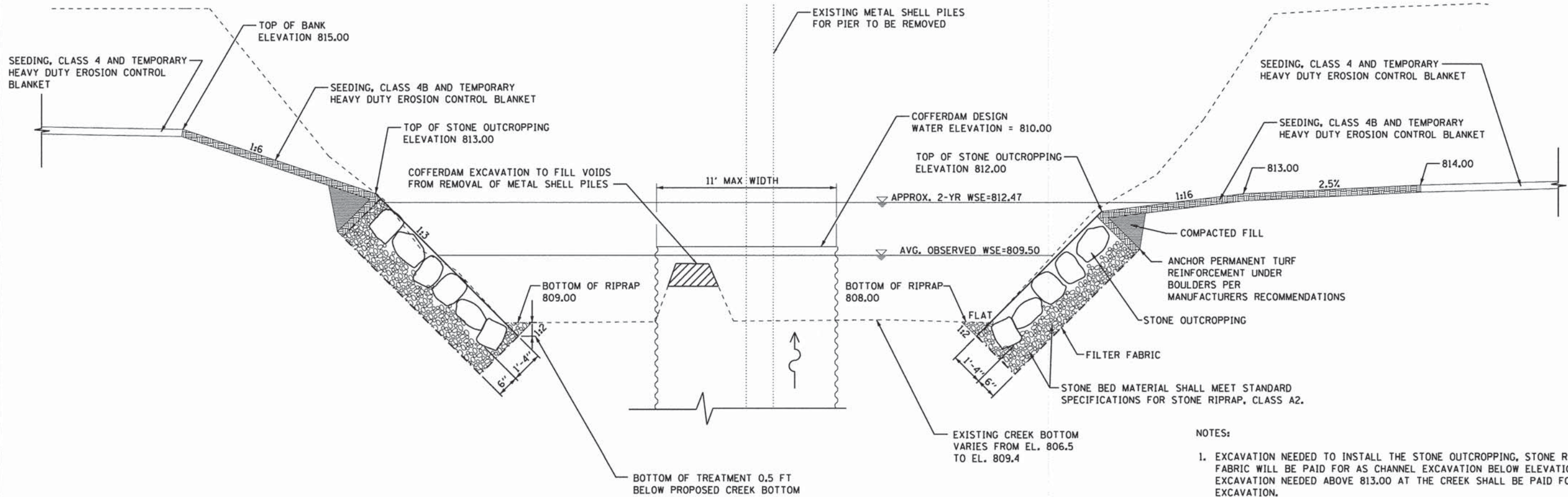
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PLOT DATE = 1/30/2015	CHECKED - AJS	REVISED -
	DATE - 2/17/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL NOTES

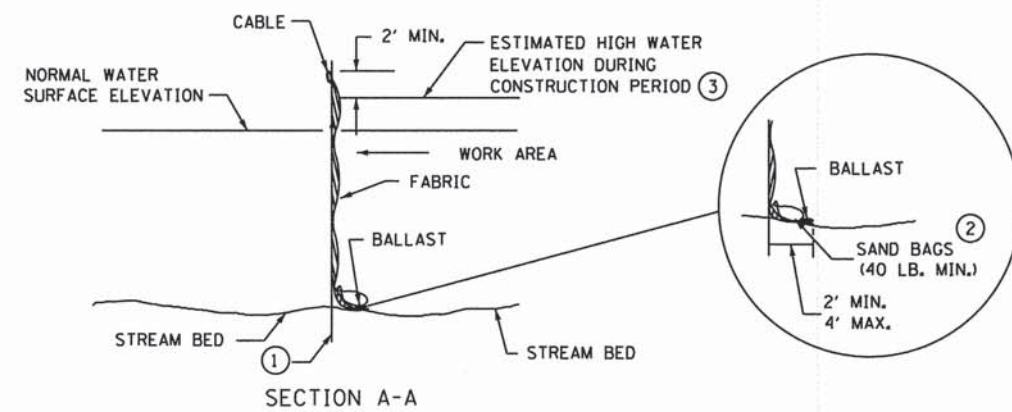
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TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	28
CONTRACT NO. 63869				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



RUSH CREEK TYPICAL SECTION
NO SCALE

- NOTES:
- EXCAVATION NEEDED TO INSTALL THE STONE OUTCROPPING, STONE RIPRAP, AND FILTER FABRIC WILL BE PAID FOR AS CHANNEL EXCAVATION BELOW ELEVATION OF 813.00. ALL EXCAVATION NEEDED ABOVE 813.00 AT THE CREEK SHALL BE PAID FOR AS EARTH EXCAVATION.
 - STONE BED MATERIAL AND FILTER FABRIC UNDER THE STONE OUTCROPPING SHALL BE INCLUDED IN THE COST OF STONE OUTCROPPING.
 - VOIDS IN THE CREEK BOTTOM AS A RESULT FROM REMOVING THE EXISTING METAL SHELL PILES 1' BELOW THE EXISTING CREEK BOTTOM SHALL BE FILLED WITH THE MOUNDED NATIVE AGGREGATE MATERIAL OF THE EXISTING CREEK BOTTOM SOUTH OF THE PIER.



TURBIDITY BARRIER DETAIL
NO SCALE

- NOTES:
- DRIVEN STEEL POSTS, PIPES, OR CHANNELS. LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT BARRIER AT HIGH WATER ELEVATIONS BUT NO MORE THAN 10' APART.
 - SANDBAGS TO BE USED AS ADDITIONAL BALLAST WHEN ORDERED BY THE ENGINEER TO MEET ADVERSE FIELD CONDITIONS. SPACE AS APPROPRIATE FOR SITE CONDITIONS.
 - ELEVATION VALUE TO BE ESTABLISHED BY THE CONTRACTOR BASED ON THE TIME OF YEAR AND DURATION OF THE ACTIVITY.
 - IF FLUCTUATING WATER ELEVATIONS ARE EXPERIENCED, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE CURTAIN OPEN ON THE UPSTREAM END.

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
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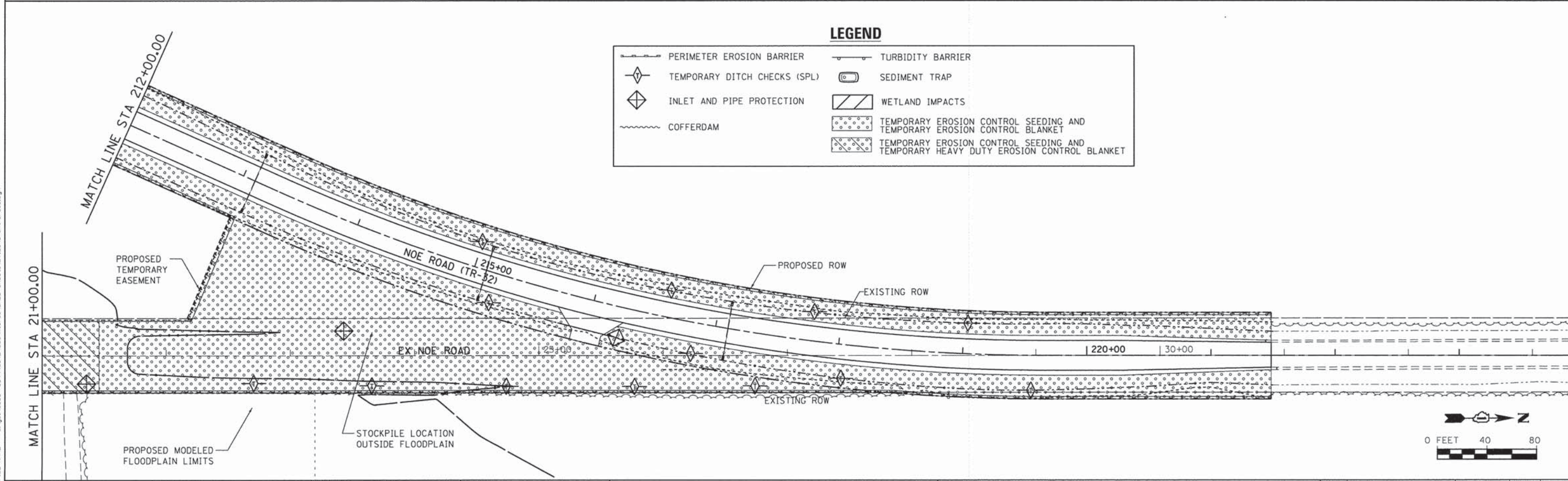
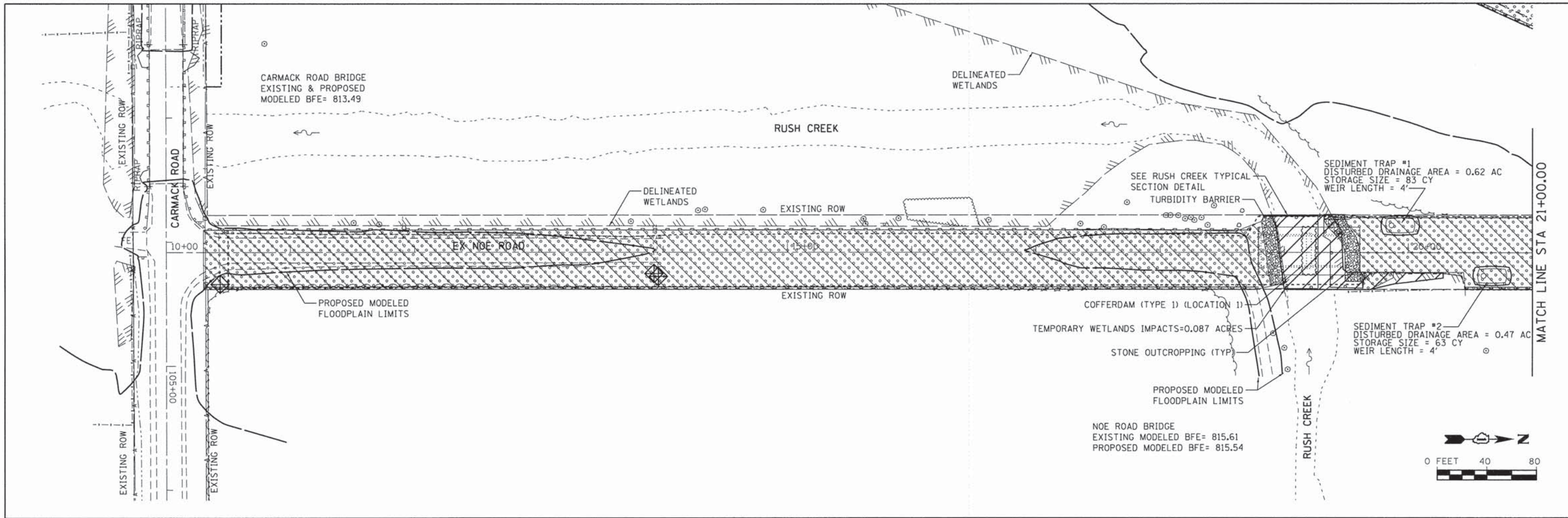
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PLOT DATE = 1/30/2015	CHECKED - AJS	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RUSH CREEK TYPICAL SECTION AND DETAILS

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	29
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63869	



LEGEND

	PERIMETER EROSION BARRIER		TURBIDITY BARRIER
	TEMPORARY DITCH CHECKS (SPL)		SEDIMENT TRAP
	INLET AND PIPE PROTECTION		WETLAND IMPACTS
	COFFERDAM		TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET
			TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY HEAVY DUTY EROSION CONTROL BLANKET

FILE NAME = s:\un\68800-68999\6842\085\micro\cadd\Sheets\0812245-shr-eros3.dgn

SA STRAND ASSOCIATES*
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = dennisw	DESIGNED - MAG	REVISED -
PLOT SCALE = 40,0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 1/30/2015	CHECKED - AJS	REVISED -
	DATE - 2/17/14	REVISED -

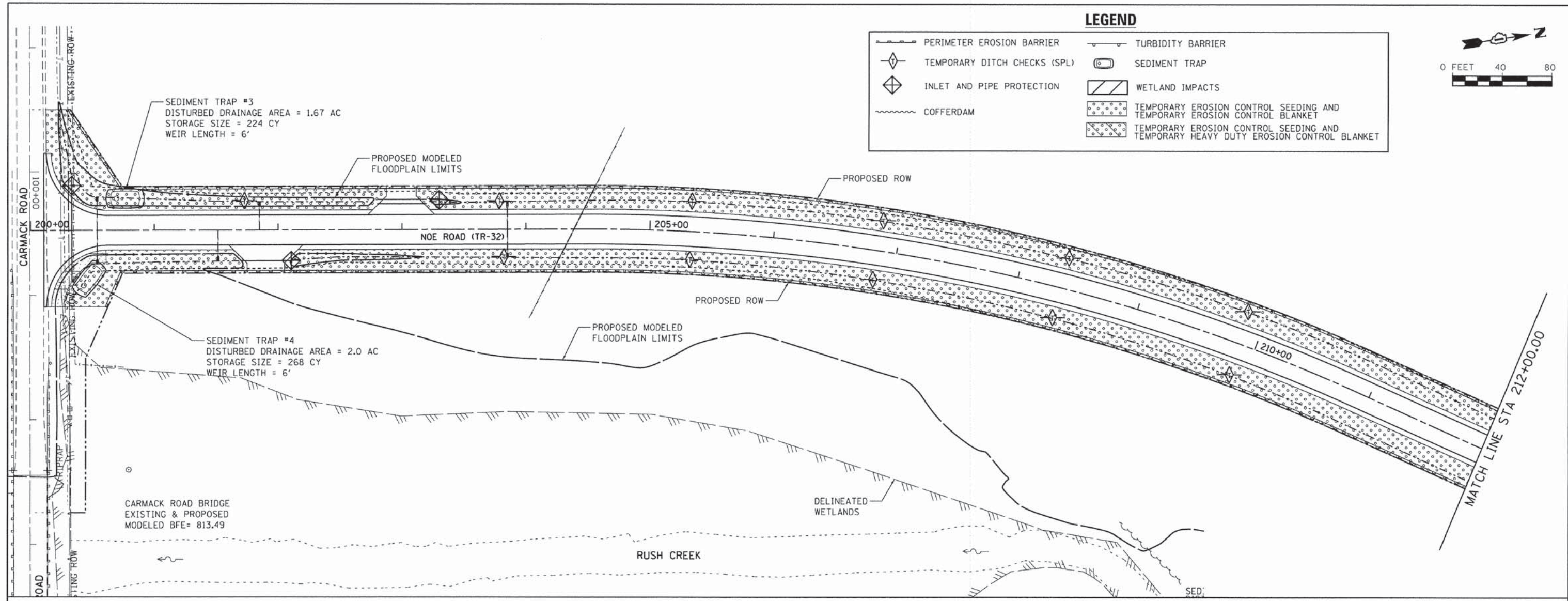
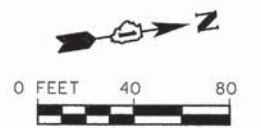
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL DETAILS
SCALE: 1" = 40' SHEET 1 OF 2 SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	30
CONTRACT NO. 63869				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LEGEND

	PERIMETER EROSION BARRIER		TURBIDITY BARRIER
	TEMPORARY DITCH CHECKS (SPL)		SEDIMENT TRAP
	INLET AND PIPE PROTECTION		WETLAND IMPACTS
	COFFERDAM		TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET
			TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY HEAVY DUTY EROSION CONTROL BLANKET



TEMPORARY DITCH CHECKS (SPECIAL)

PR RIGHT DITCH	PR LEFT DITCH	EX NOE
203+82.18	201+72.87	22+70.00
205+33.34	203+78.62	23+70.00
206+84.41	205+32.95	24+70.00
208+35.18	206+85.80	25+70.00
209+88.22	208+36.10	26+70.00
215+19.42	209+84.88	
216+84.30	215+00.00	
218+04.63	216+59.31	
219+55.14	217+78.08	
	219+03.31	

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STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JULIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = dennisw	DESIGNED - MAG	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 1/30/2015	CHECKED - AJS	REVISED -
	DATE - 2/17/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

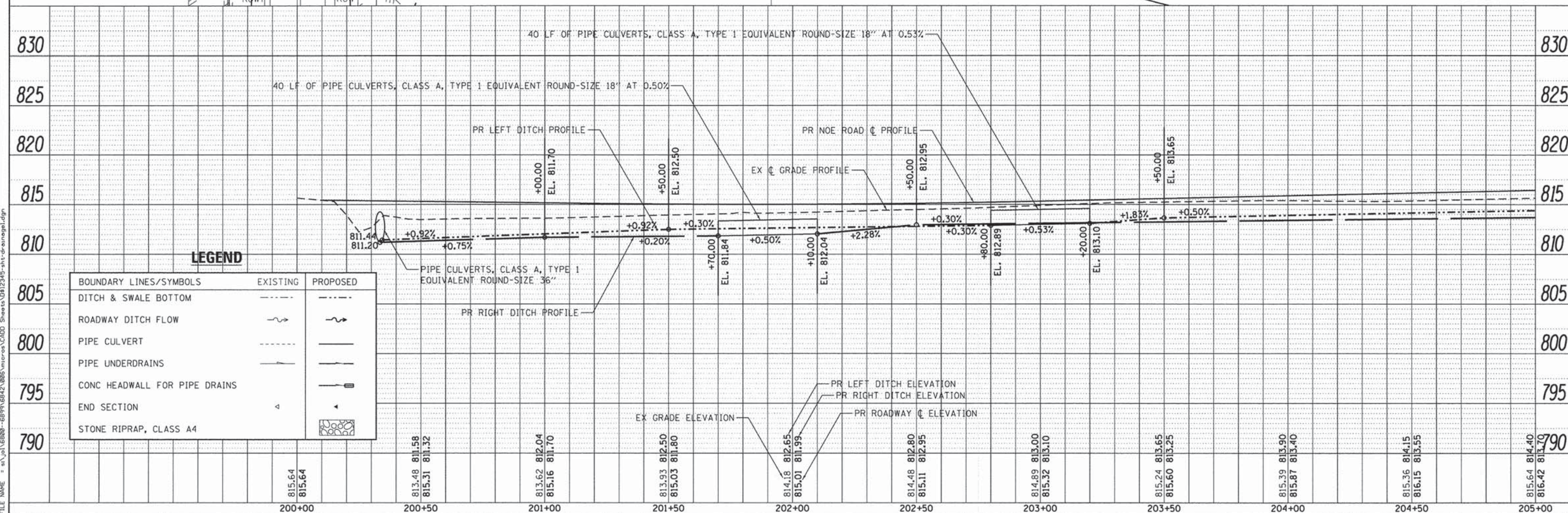
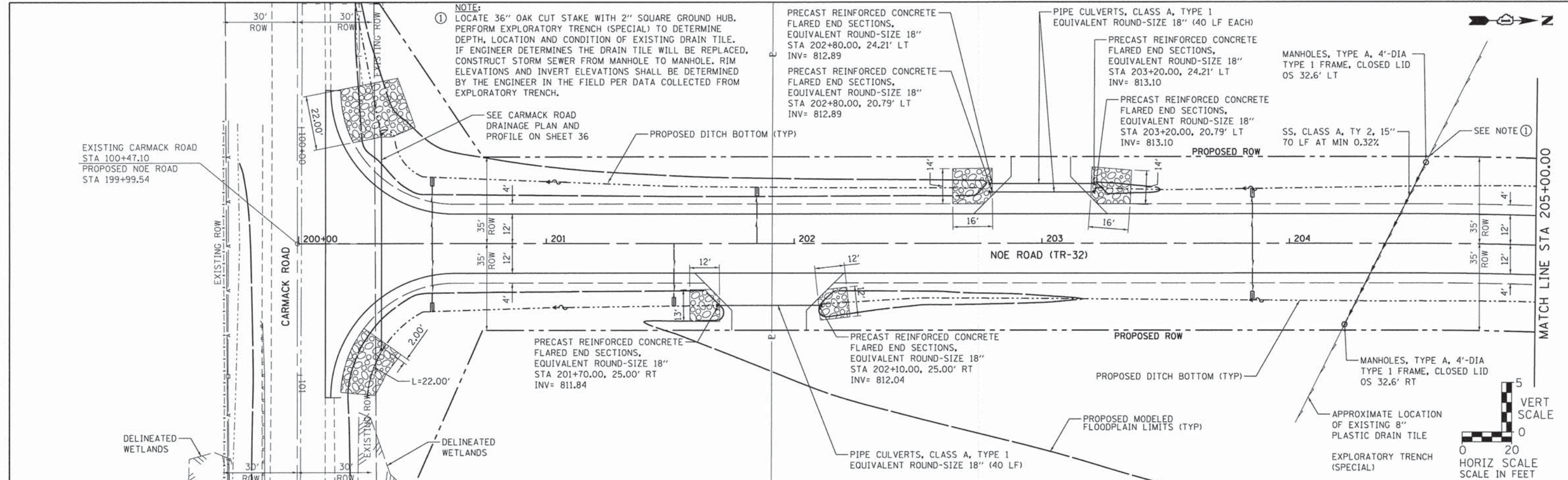
EROSION AND SEDIMENT CONTROL DETAILS

SCALE: 1" = 40' SHEET 2 OF 2 SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	31
CONTRACT NO. 63869			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

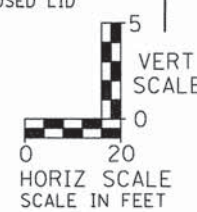
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	PLOTTED	BY
	ALIGNED	
	CHECKED	
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	NO. 2	
	NO. 3	
	NO. 4	
	NO. 5	
	NO. 6	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
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	NO. 2	
	NO. 3	
	NO. 4	
	NO. 5	
	NO. 6	



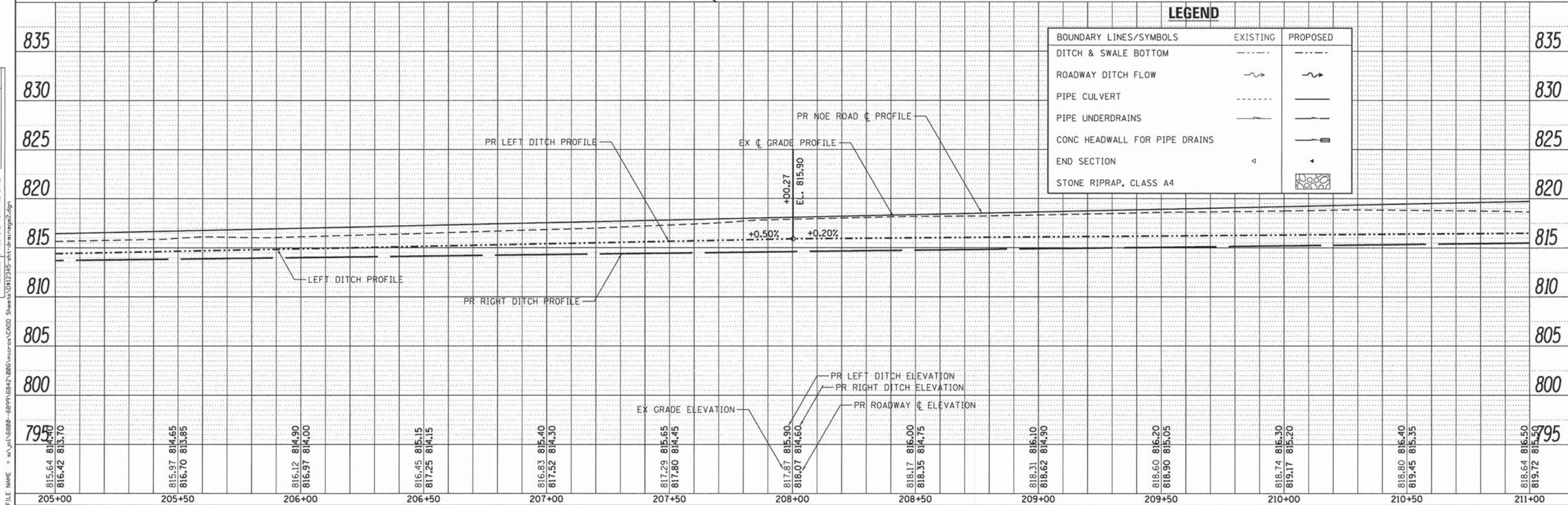
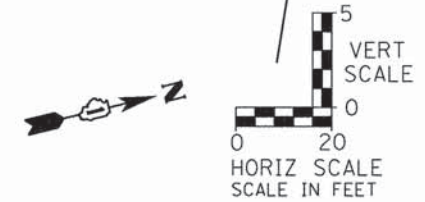
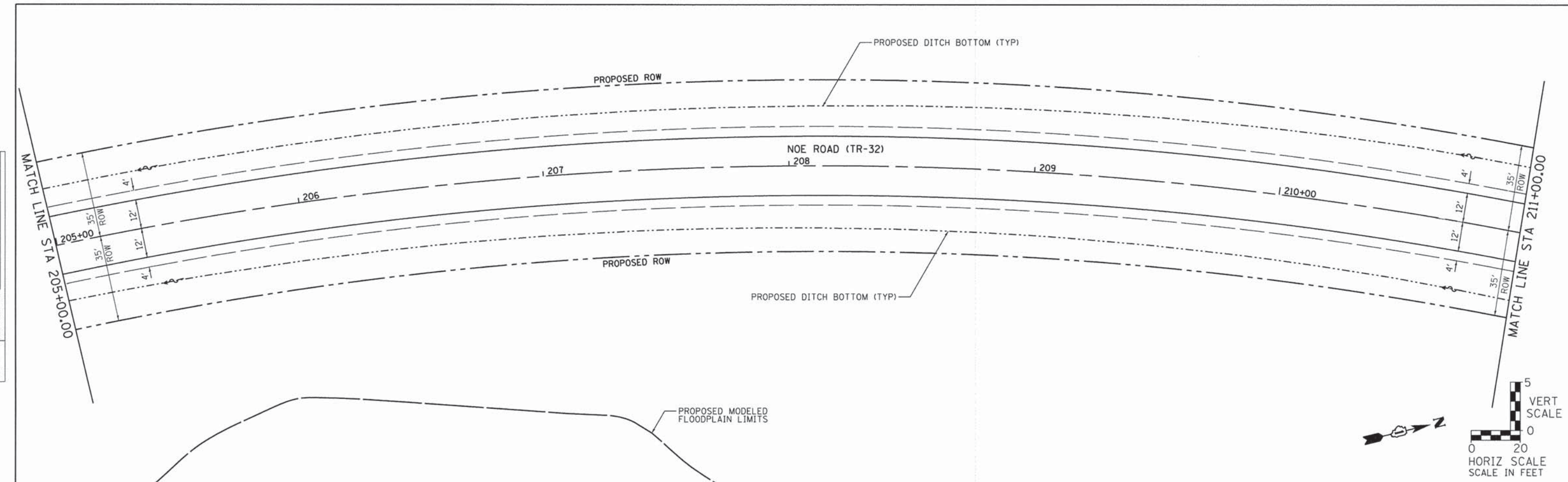
LEGEND

	EXISTING	PROPOSED
BOUNDARY LINES/SYMBOLS	---	---
DITCH & SWALE BOTTOM	- - - -	- - - -
ROADWAY DITCH FLOW	~>	~>
PIPE CULVERT	---	---
PIPE UNDERDRAINS	- - - -	- - - -
CONC HEADWALL FOR PIPE DRAINS	▾	▾
END SECTION	△	△
STONE RIPRAP, CLASS A4	◻	◻



PLAN	REVISIONS	DATE
NO. _____	PLOTTED	
	ALIGNED	
	CHECKED	
	CADD FILE NAME	

PROFILE	REVISIONS	DATE
NO. _____	GRADES CHECKED	
	STATES NOTED	
	NOTATIONS CHECKED	



815.64 816.42	815.97 816.70	816.12 816.97	816.45 817.25	816.83 817.52	817.29 817.80	817.67 818.07	818.17 818.35	818.31 818.62	818.60 818.90	818.74 819.17	818.80 819.45	818.64 819.72
205+00	205+50	206+00	206+50	207+00	207+50	208+00	208+50	209+00	209+50	210+00	210+50	211+00

SA STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = denrisw	DESIGNED - MAG	REVISED -
PLLOT SCALE = 20.0000' / 1"	DRAWN - DJW	REVISED -
PLLOT DATE = 1/30/2015	CHECKED - AJS	REVISED -
	DATE - 2/17/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

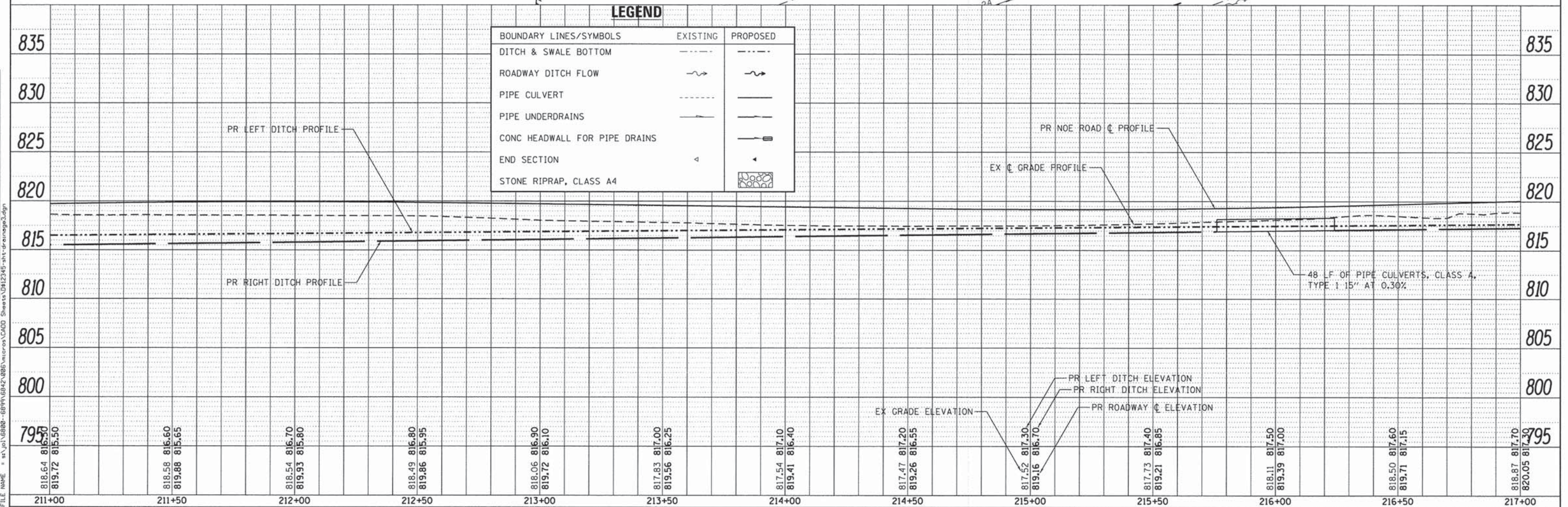
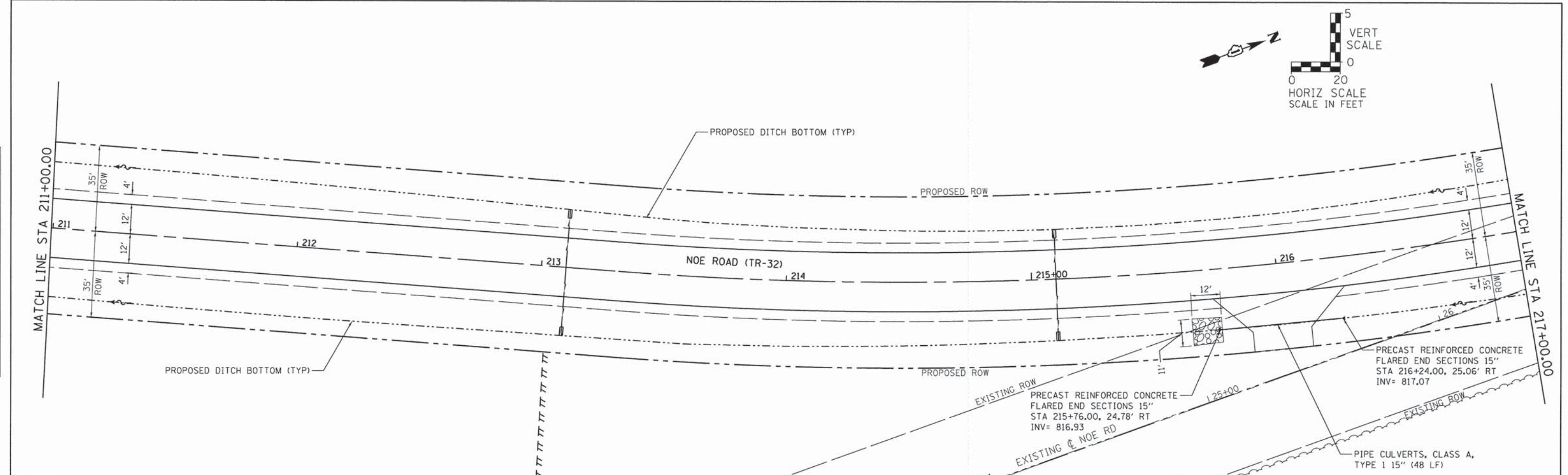
DRAINAGE PLAN AND PROFILE

SCALE: SHEET 2 OF 5 SHEETS STA. 205+00.00 TO STA. 211+00.00

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	33
FED. ROAD DIST. NO. 1			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63869	

PLAN	DATE
NO.	BY
NO.	DATE
NO.	DATE
NO.	DATE
NO.	DATE
NO.	DATE
NO.	DATE
NO.	DATE
NO.	DATE
NO.	DATE

PROFILE	DATE
NO.	BY
NO.	DATE
NO.	DATE
NO.	DATE
NO.	DATE
NO.	DATE
NO.	DATE
NO.	DATE
NO.	DATE
NO.	DATE



STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = dennisw	DESIGNED - MAG	REVISED -
PLOT SCALE = 20.0000' / 1"	DRAWN - DJW	REVISED -
PLOT DATE = 1/30/2015	CHECKED - AJS	REVISED -
	DATE - 2/17/14	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

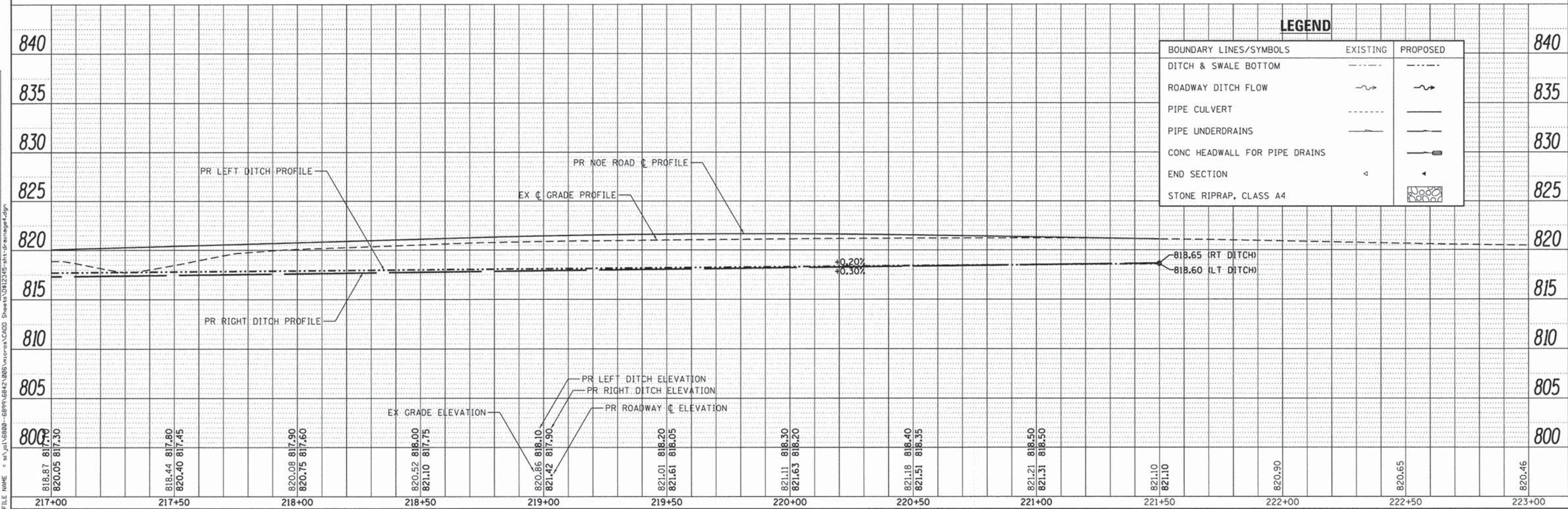
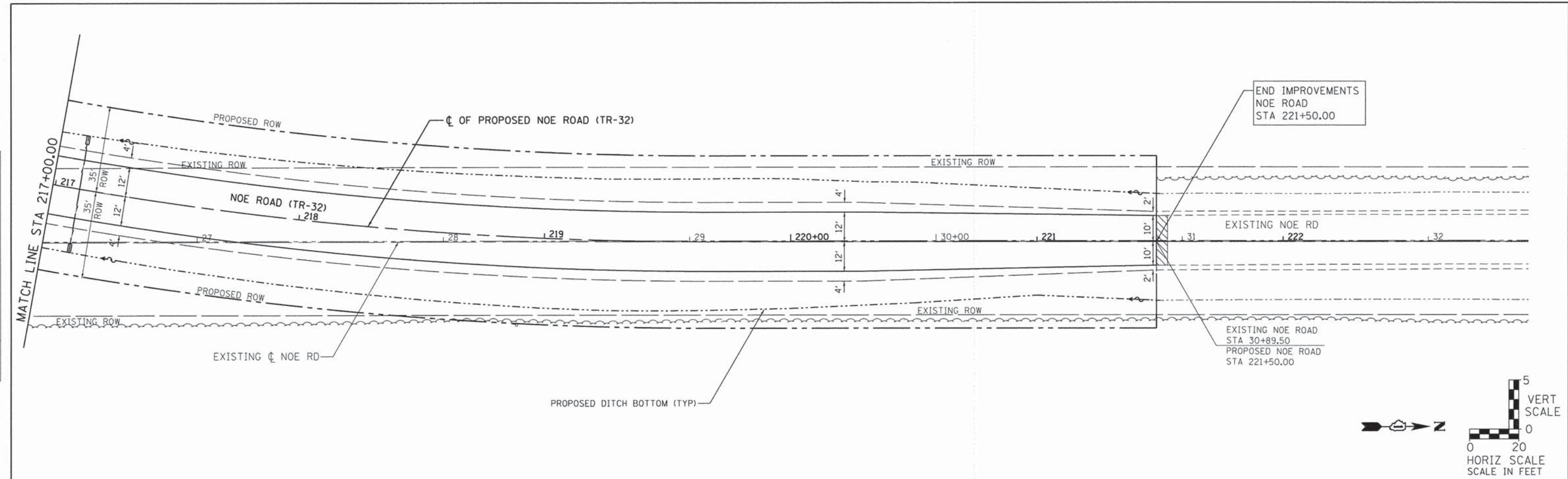
DRAINAGE PLAN AND PROFILE	
SCALE:	SHEET 3 OF 5 SHEETS STA. 211+00.00 TO STA. 217+00.00

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	34
CONTRACT NO. 63869				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FILE NAME = s:\proj\6800-6899\682-086\micross\CADD Sheets\0812345-int-drainage3.dgn

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	NO. _____	
	NO. _____	
	NO. _____	
	NO. _____	
	NO. _____	
	NO. _____	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO. _____	
	NO. _____	
	NO. _____	
	NO. _____	
	NO. _____	



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
STRAND ASSOCIATES

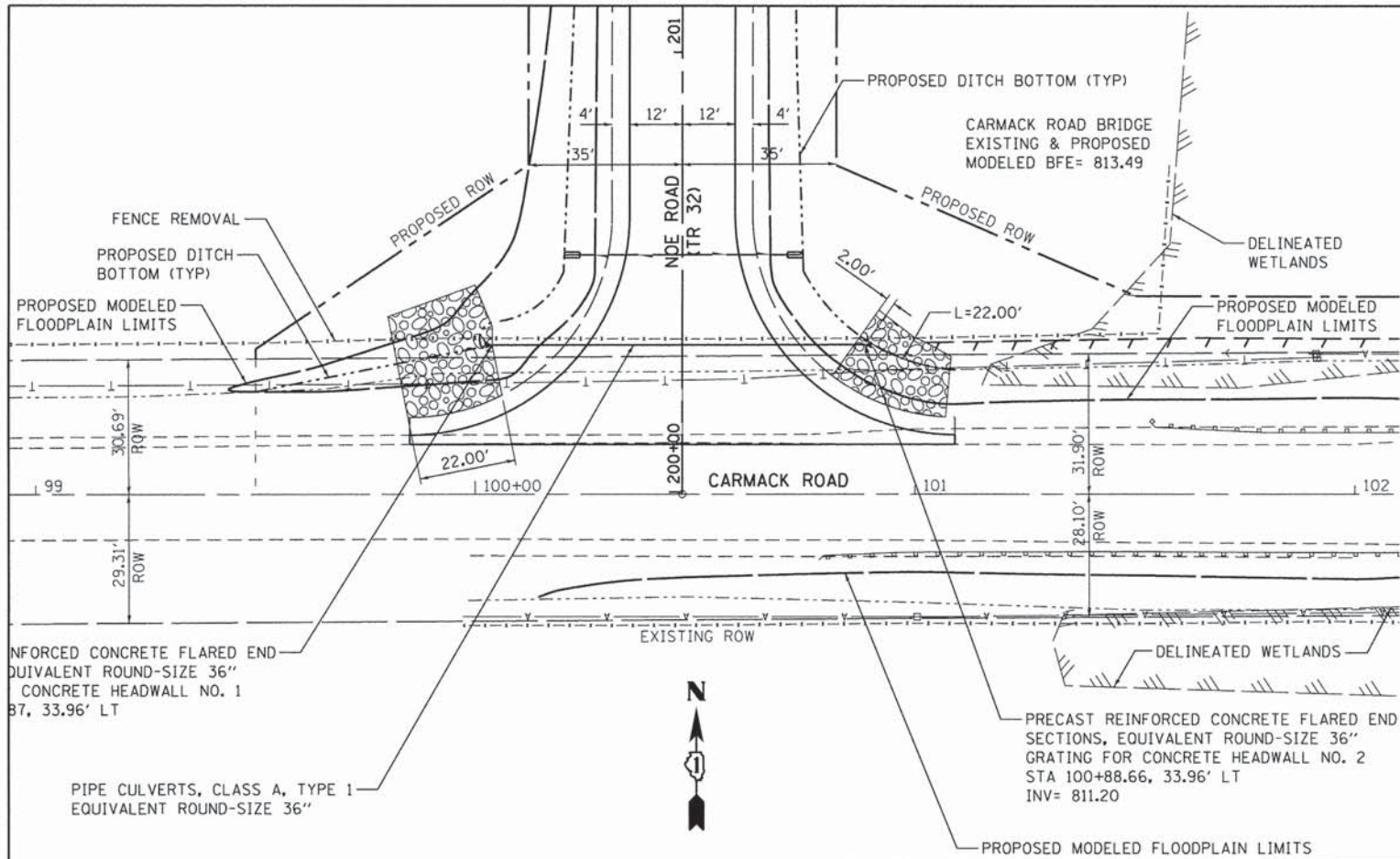
USER NAME = dennisw	DESIGNED - MAG	REVISED -
PLOT SCALE = 20.0000' / 1" =	DRAWN - DJW	REVISED -
PLOT DATE = 1/30/2015	CHECKED - AJJ	REVISED -
	DATE - 2/17/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE	
SCALE:	SHEET 4 OF 5 SHEETS STA. 217+00.00 TO STA. 221+50.00

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	35
CONTRACT NO. 63869				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

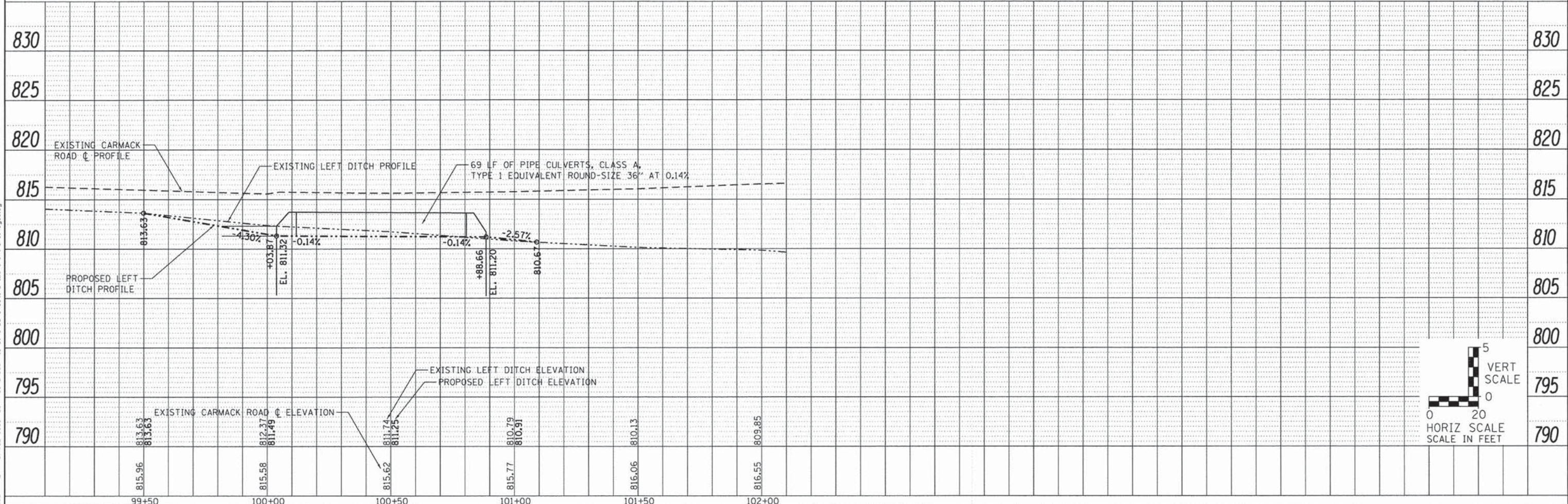
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO. _____		
	NO. _____		
	NO. _____		
	NO. _____		



LEGEND

BOUNDARY LINES/SYMBOLS	EXISTING	PROPOSED
DITCH & SWALE BOTTOM	---	- - - -
ROADWAY DITCH FLOW	- - - -	———▶
PIPE CULVERT	----	———
PIPE UNDERDRAINS	-----	-----
CONC HEADWALL FOR PIPE DRAINS		▬
END SECTION	◀	◀
STONE RIPRAP, CLASS A4		◻

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO. _____		
	NO. _____		
	NO. _____		
	NO. _____		



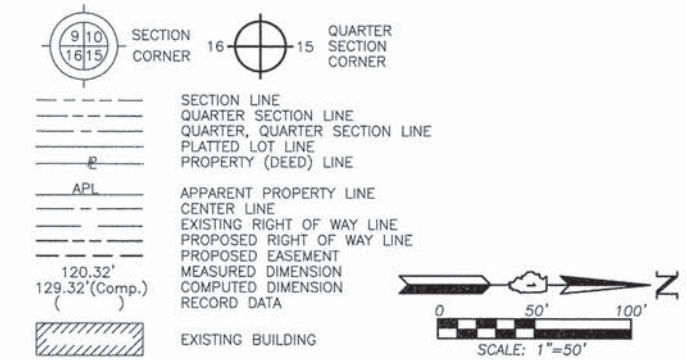
1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = dennisw DESIGNED - MAG DRAWN - DJW CHECKED - AJJ DATE - 2/17/14	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CARMACK AND EXISTING NOE ROAD DRAINAGE PLAN AND PROFILE		TR 32	SECTION 08-00357-00-BR	COUNTY MCHENRY	TOTAL SHEETS 68	SHEET NO. 36	
	PLOT SCALE = 20,0000" / in. PLOT DATE = 1/30/2015	SCALE:		SHEET 1 OF 5 SHEETS	STA. 97+44.00 TO STA. 103+60.00	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					
	CONTRACT NO. 63869										
	Default										

PART OF THE SE 1/4 OF SEC. 8 AND PART OF THE SW 1/4 OF SEC. 9, TWP. 44 N., R. 5 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
0001 0001T.E.	Clifford W. Simons as Trustee under Trust Agreement dated June 15, 2001 and known as the Clifford W. Simons Trust No. 1 dated June 15, 2001 as to an undivided 1/2 interest and Curt W. Simons as to an undivided 1/2 interest	74.532	2.820	0.393	6.990* + 64.722** 71.712	0.217	Grading	11-08-400-003	
0003	Virginia A. Lamos	5.099	0.596	0.226	1.208* + 3.295** 4.503	N/A	N/A	11-08-400-004	

* Remainder lying East of Proposed Noe Road
 ** Remainder lying West of Proposed Noe Road

LEGEND



Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2007) East Zone.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
 COUNTY OF LAKE } SS
 THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 8, TOWNSHIP 44N., RANGE 5E. AND SECTION 9, TOWNSHIP 44N., RANGE 5E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.
 DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

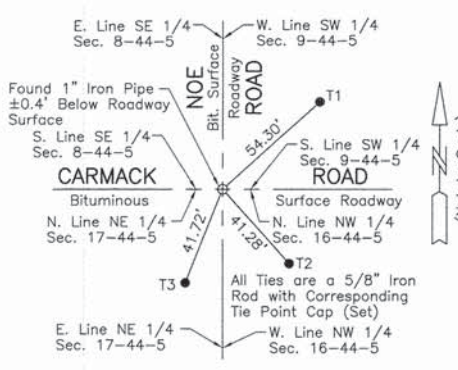
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2014
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
 Note: Surface Coordinates are Shown.

STATION	OFFSET	NORTH	EAST
11+90.39	0.06' Lt.	2,051,753.055	893,997.596
11+90.41	30.06' Lt.	2,051,753.227	893,967.596
99+49.99	1.93' Lt.	2,051,565.696	893,538.339
102+74.83	0.84' Lt.	2,051,563.825	893,863.177
103+78.38	33.23' Lt.	2,051,595.962	893,966.806

JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.
 (847) 356-3371

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
 T.R. 32 (NOE ROAD)
 SECTION 08-00357-00-BR McHENRY COUNTY
 PROJECT BROS-011(055) JOB NO. R-91-004-09
 STATION 10+00.00 TO STATION 22+00
 STATION 97+00.00 TO STATION 106+00
 STATION 199+99.54 TO STATION 212+00
 SCALE: 1"=50' SHEET 2 OF 5

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196
 AS DOCUMENT NO.



M-3
"Monument Record"
 Southeast Corner of Section 8-44-5
 N.2,051,563.057-E.893,996.641
 Recorded July 21, 2010
 Document No. 2010R0031008

Point Number	Tie to point	Tie Distance (feet)
1	T1 T2 T3	
2	T1 T2 T3	
3	T1 T2 T3	
4	T1 T2 T3	
5	T1 T2 T3	
6	T1 T2 T3	

Point Number	Tie to point	Tie Distance (feet)
7	T1 T2 T3	
8	T1 T2 T3	
9	T1 T2 T3	
10	T1 T2 T3	
11	T1 T2 T3	

Proposed Pavement Curve #1
 P.I. = Sta. 207+76.78
 Δ = 24°20'53"
 R = 1505.00'
 T = 324.68'
 L = 639.55'
 E = 34.62'
 P.C. = Sta. 204+52.10
 P.T. = Sta. 210+91.65

STATION	OFFSET	NORTH	EAST
104+08.30	0.39' Lt.	2,051,563.057	893,996.641
104+08.47	3.33' Lt.	2,051,566.057	893,996.824
104+38.35	33.44' Lt.	2,051,595.998	894,026.807
200+30.39	97.01' Lt.	2,051,594.607	893,538.505
200+32.20	227.84' Rt.	2,051,595.635	893,863.360
200+32.64	97.01' Lt.	2,051,596.860	893,538.517
200+44.20	227.87' Rt.	2,051,607.636	893,863.422
200+44.54	103.08' Rt.	2,051,608.283	893,738.628

STATION	OFFSET	NORTH	EAST
200+74.32	35.00' Rt.	2,051,638.221	893,670.624
200+74.48	35.00' Lt.	2,051,638.546	893,600.625
201+91.04	35.00' Rt.	2,051,754.935	893,670.904
201+91.27	35.00' Lt.	2,051,755.338	893,600.904
204+52.10	35.00' Lt.	2,052,016.166	893,601.529
204+52.10	35.00' Rt.	2,052,015.998	893,671.529
210+91.65	35.00' Lt.	2,052,650.742	893,740.020
210+91.65	35.00' Rt.	2,052,621.730	893,803.724

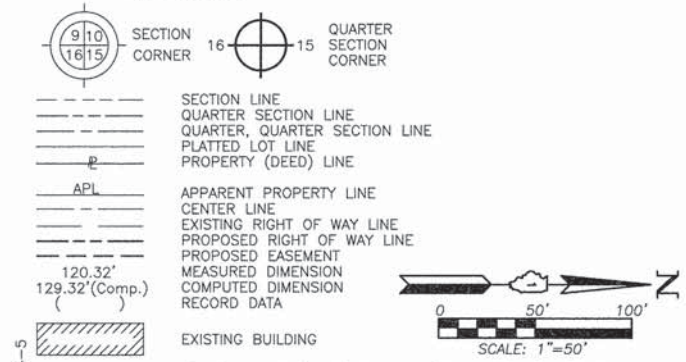
October 3, 2013
 August 22, 2013
 April 24, 2013

Revised Alignments Proposed Noe Road, Existing Noe Road & Existing & Proposed Carmack Road Added Remainder Areas of Parcels 0001 & 0003 lying East & West of Proposed Noe Road Configuration Parcel 0001, Added Parcel 0003, Alignment Existing & Proposed Noe Road

Schedule of Ties		
Point Number	Tie to point	Tie Distance (feet)
1	T1	
	T2	
	T3	
2	T1	
	T2	
	T3	
3	T1	
	T2	
	T3	
4	T1	
	T2	
	T3	
5	T1	
	T2	
	T3	
6	T1	
	T2	
	T3	
7	T1	
	T2	
	T3	
8	T1	
	T2	
	T3	
9	T1	
	T2	
	T3	
10	T1	
	T2	
	T3	

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
218+41.63	35.00' Rt.	2,053,342.342	894,035.586
219+66.76	35.00' Lt.	2,053,470.567	893,971.570
219+66.76	35.00' Rt.	2,053,470.203	894,041.569
221+48.51	0.37' Lt.	2,053,652.132	894,007.143
221+48.51	30.37' Lt.	2,053,652.292	893,977.143
221+48.51	35.00' Lt.	2,053,652.316	893,972.513
221+48.51	29.63' Rt.	2,053,651.981	894,037.142
221+48.51	35.00' Rt.	2,053,651.953	894,042.512
221+48.52	0.37' Lt.	2,053,652.142	894,007.143

LEGEND



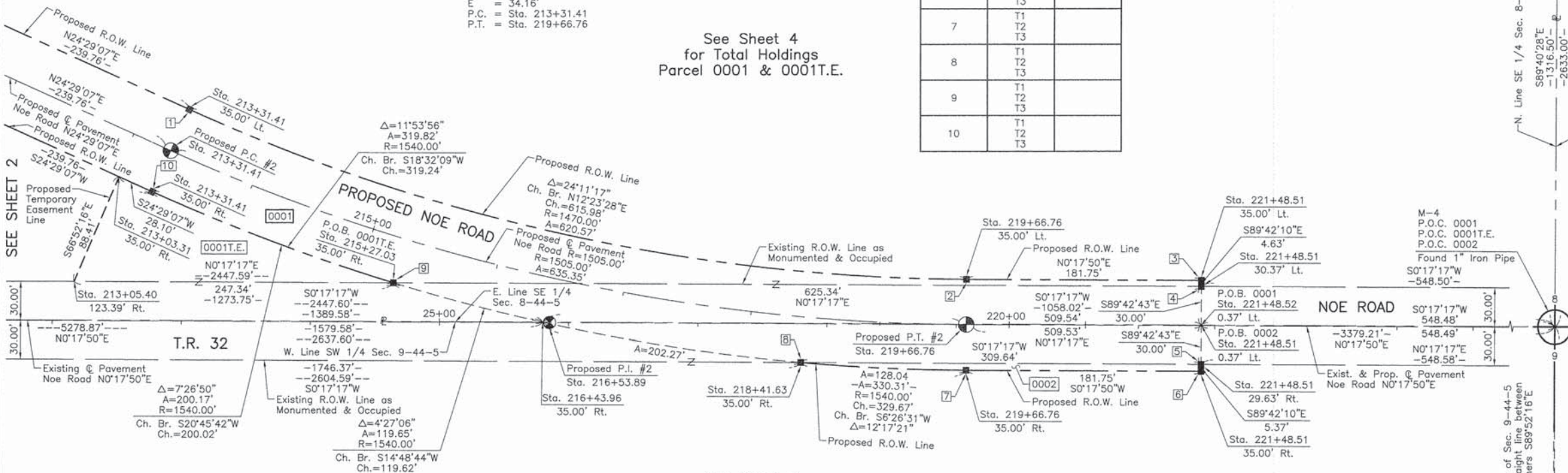
Proposed Pavement Noe Road Curve #2

P.I. = Sta. 216+53.89
 Δ = 24°11'17"
 R = 1505.00'
 T = 322.48'
 L = 635.35'
 E = 34.16'
 P.C. = Sta. 213+31.41
 P.T. = Sta. 219+66.76

See Sheet 4 for Total Holdings Parcel 0001 & 0001T.E.

See Sheet 4 for Total Holdings Parcel 0002

See Sheet 2 for Continuation of Parcel 0001



Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2007) East Zone.

IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
 CUT CROSS FOUND OR SET ● 5/8" REBAR SET

T1, T2, T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

BT1, BT2, BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET.

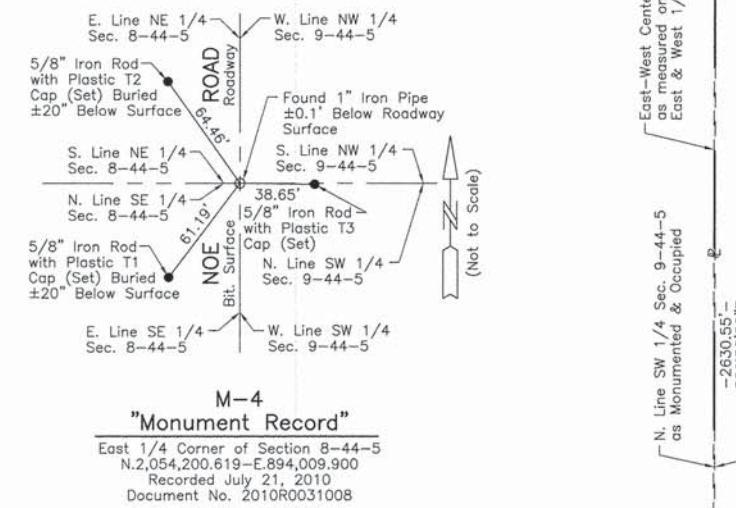
STATE OF ILLINOIS }
 COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 8, TOWNSHIP 44N., RANGE 5E. AND SECTION 9, TOWNSHIP 44N., RANGE 5E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
0001 0001T.E.	Clifford W. Simons as Trustee under Trust Agreement dated June 15, 2001 and known as the Clifford W. Simons Trust No. 1 dated June 15, 2001 as to an undivided 1/2 interest and Curt W. Simons as to an undivided 1/2 interest	74.532	2.820	0.393	6.990* + 64.722** 71.712	0.217	Grading	11-08-400-003	
0002	Wetlands & Woods Properties, LLC, an Illinois limited liability company	154.430	0.325	0.292	154.105	N/A	N/A	11-09-300-001 11-09-300-002 11-09-300-003 11-09-300-006 11-09-300-007	

* Remainder lying East of Proposed Noe Road
 ** Remainder lying West of Proposed Noe Road



ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2014
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
 Note: Surface Coordinates are Shown.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
213+03.31	35.00' Rt.	2,052,814.356	893,891.449
213+05.40	123.39' Rt.	2,052,779.626	893,972.756
213+31.41	35.00' Lt.	2,052,868.940	893,839.390
213+31.41	35.00' Rt.	2,052,839.928	893,903.095
215+27.03	35.00' Rt.	2,053,026.963	893,974.000
216+43.96	35.00' Rt.	2,053,142.610	894,004.581

JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046
 (847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
 T.R. 32 (NOE ROAD)
 SECTION 08-00357-00-BR McHENRY COUNTY
 PROJECT BROS-011(055) JOB NO. R-91-004-09
 STATION 212+00 TO STATION 224+00
 SCALE: 1"=50' SHEET 3 OF 5

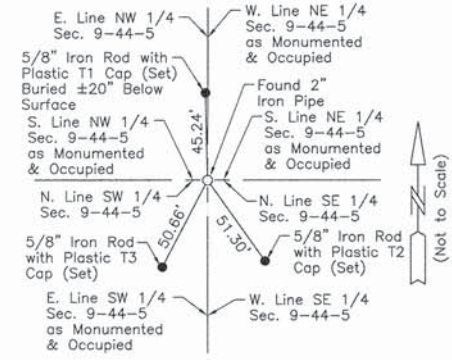
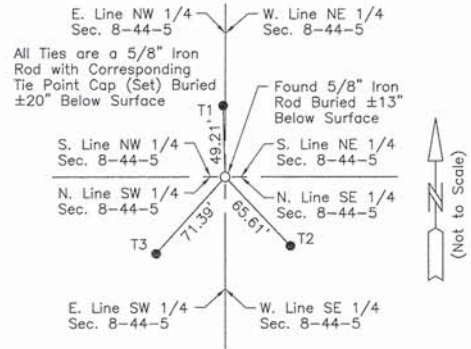
BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

October 3, 2013
 August 22, 2013
 REVISION DATE April 24, 2013

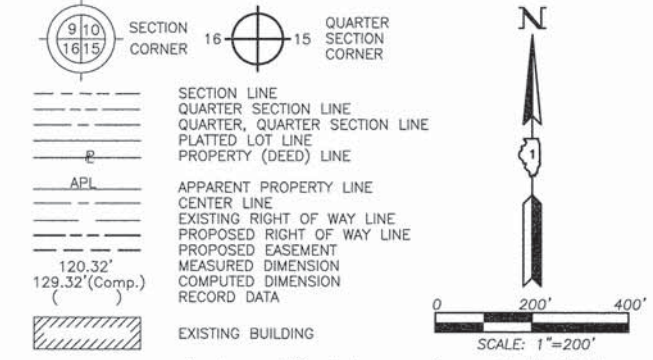
Revised Alignment Existing Noe Road
 Added Remainder Area of Parcel 0001 lying
 East & West of Proposed Noe Road
 Configuration Parcels 0001 & 0002, Alignment
 Existing & Proposed Noe Road

MADE BY

PART OF THE SE 1/4 OF SEC. 8 AND PART OF THE SW 1/4 OF SEC. 9, TWP. 44 N., R. 5 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



LEGEND



- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 8, TOWNSHIP 44N., RANGE 5E. AND SECTION 9, TOWNSHIP 44N., RANGE 5E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2014

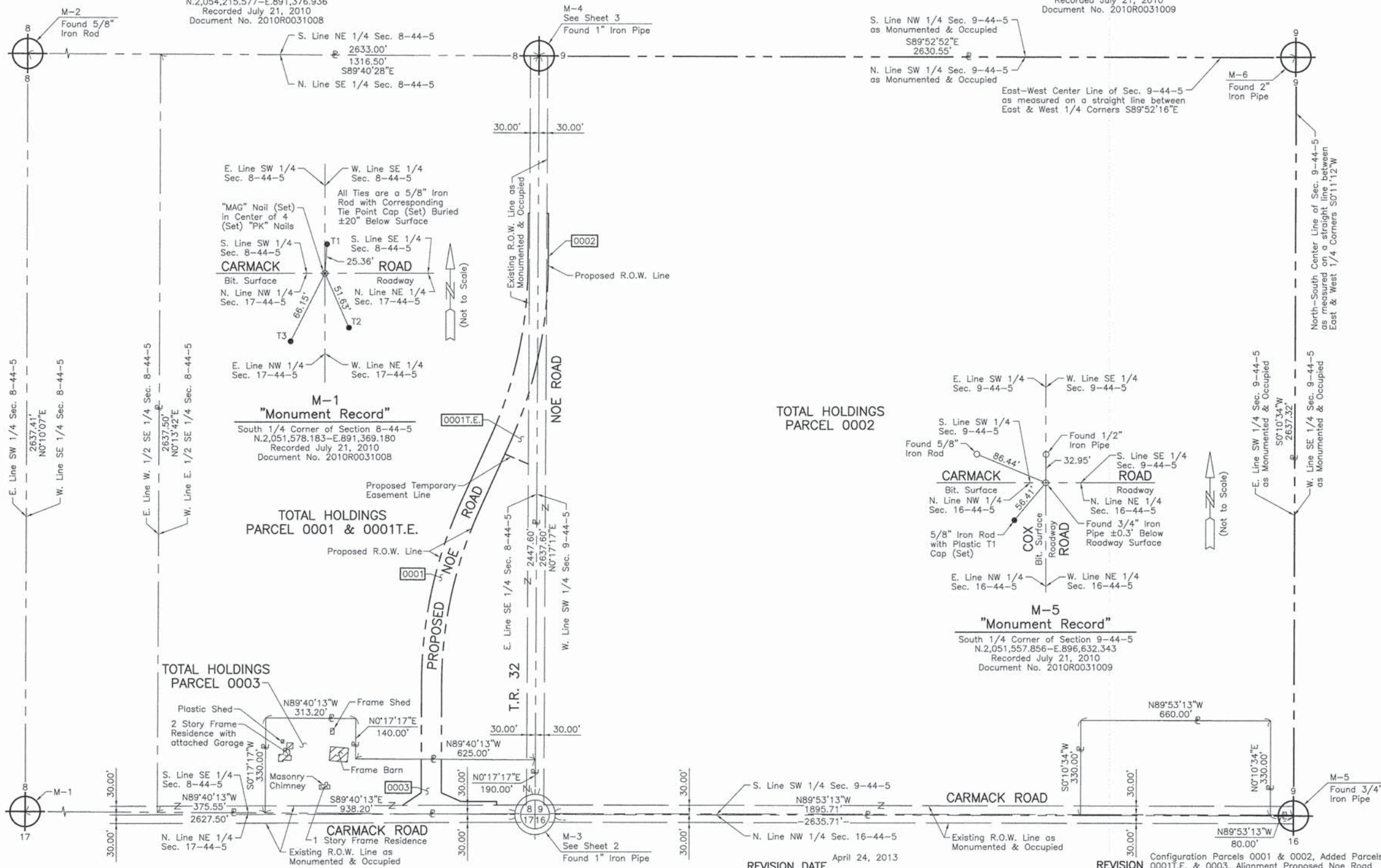
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

Note: Surface Coordinates are Shown.

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046 SHEET 1 IS A COVER
(847) 356-3371 SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
T.R. 32 (NOE ROAD)
SECTION 08-00357-00-BR McHENRY COUNTY
PROJECT BROS-011(055) JOB NO. R-91-004-09
STATION NONE TO STATION
SCALE: 1"=200' SHEET 4 OF 5

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196



REVISION DATE April 24, 2013

REVISION Configuration Parcels 0001 & 0002, Added Parcels 0001T.E. & 0003, Alignment Proposed Noe Road

MADE BY

RECORDING: RECORDED ON

AS DOCUMENT NO. 39

PART OF THE EAST 1/2 OF SEC. 8, PART OF THE WEST 1/2 OF SEC. 9, PART OF THE NW 1/4 OF SEC. 16 AND PART OF THE NE 1/4 OF SEC. 17, TWP. 44 N., R. 5 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

LEGEND

SECTION CORNER 16 15 QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE

APL APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DATA

EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2007) East Zone.

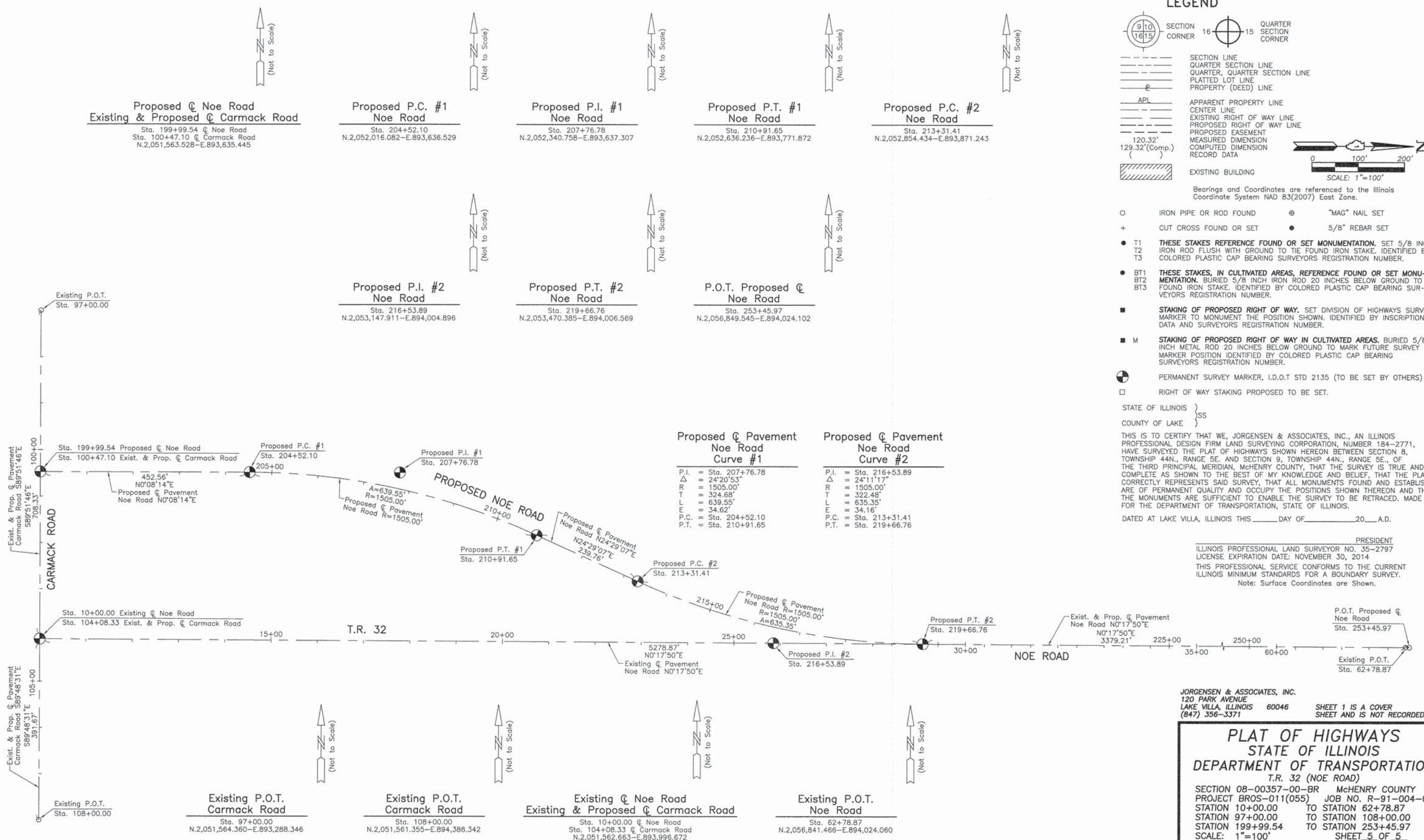
○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
+ CUT CROSS FOUND OR SET ● 5/8" REBAR SET

● T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
● BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
⊙ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE } SS

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DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.



October 3, 2013
REVISION DATE April 24, 2013

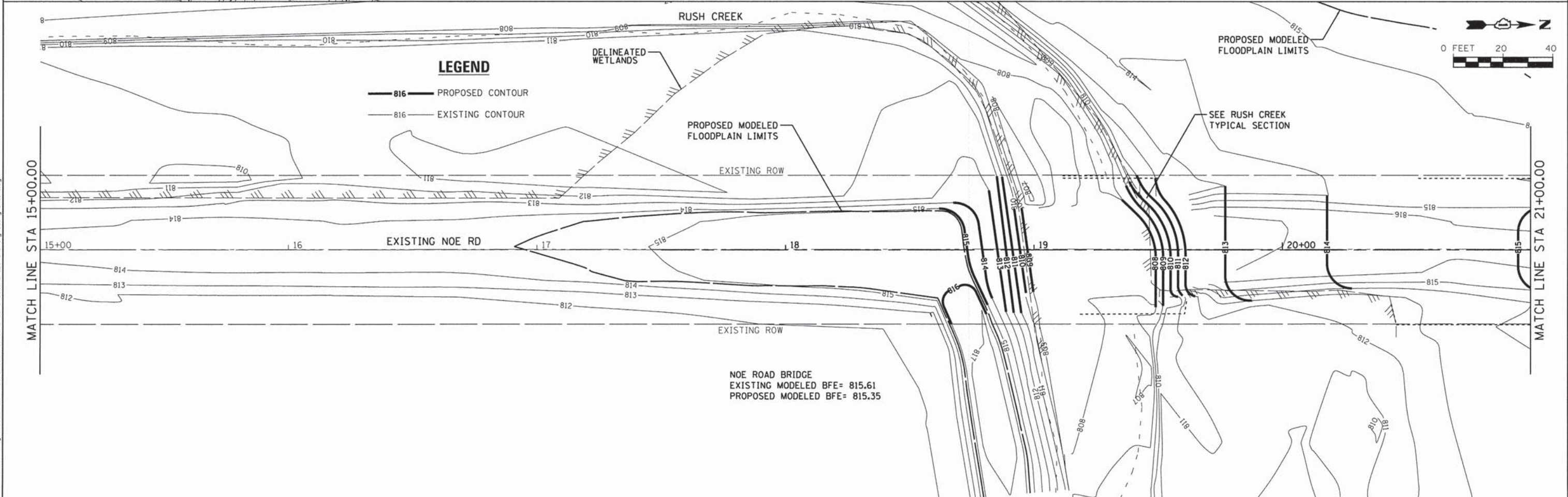
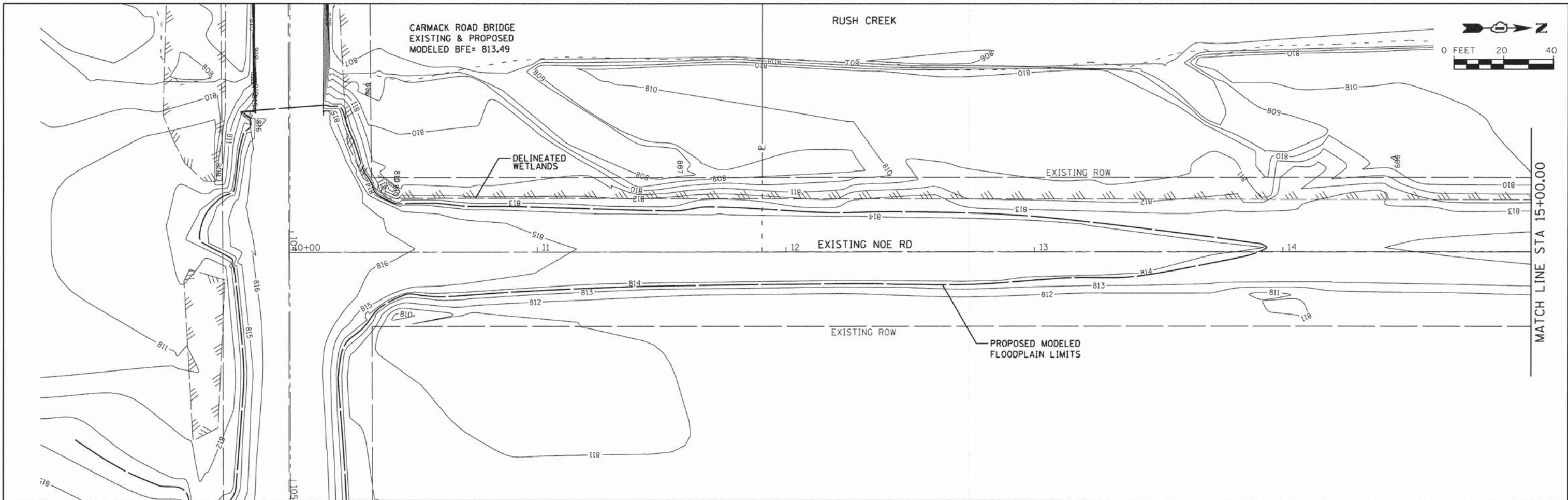
Revised Alignments Proposed Noe Road, Existing Noe Road & Existing & Proposed Carmack Road Alignment Proposed Noe Road, Existing Noe Road & Carmack Road
REVISION MADE BY

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
T.R. 32 (NOE ROAD)
SECTION 08-00357-00-BR McHENRY COUNTY
PROJECT BROS-011(055) JOB NO. R-91-004-09
STATION 10+00.00 TO STATION 62+78.87
STATION 97+00.00 TO STATION 108+00.00
STATION 199+99.54 TO STATION 253+45.97
SCALE: 1"=100' SHEET 5 OF 5

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196



FILE NAME = s:\j\168209-689916642\006\micro\cadd\Sheets\0812345-shs-grading-main\ldgn

SA
STRAND
ASSOCIATES*

1170 SOUTH HOBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = dennisw
MODEL NAME = Default
PLOT SCALE = 20.0000' / in.
PLOT DATE = 1/30/2015

DESIGNED - MAG
DRAWN - DJW
CHECKED - AJS
DATE - 2/17/14

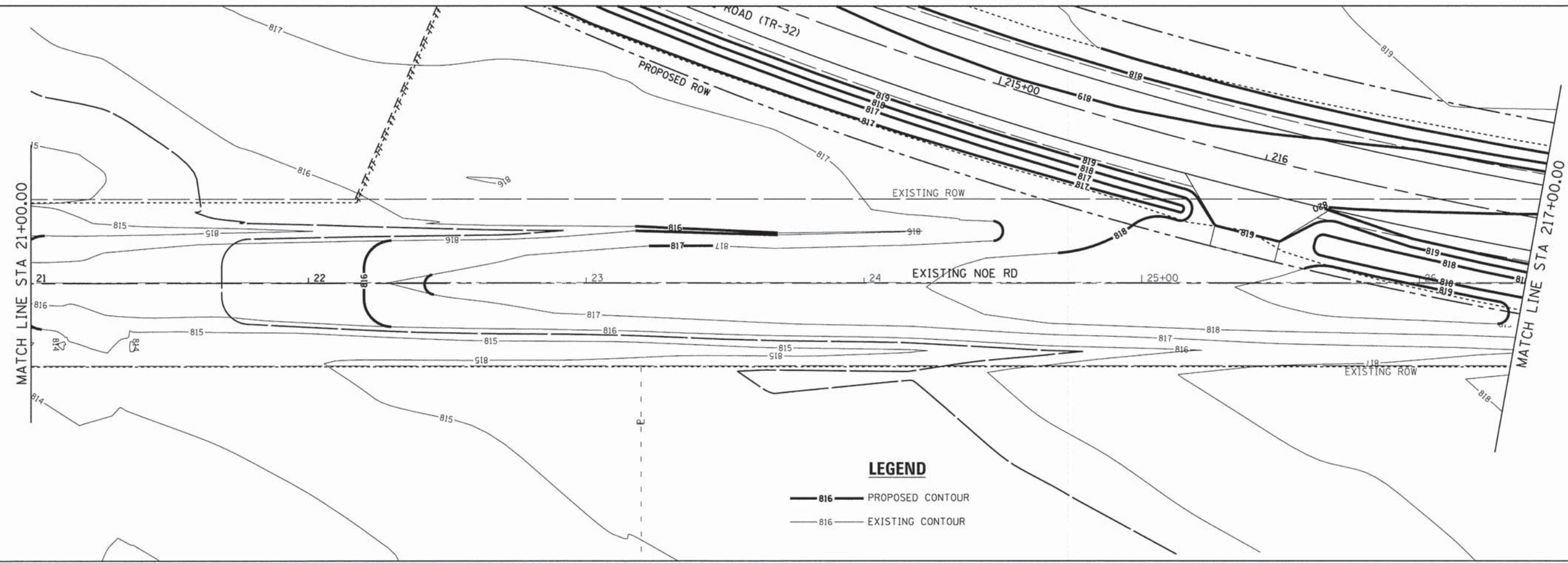
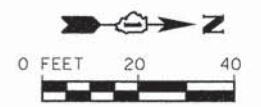
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GRADING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	41
CONTRACT NO. 63869				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LEGEND

- 816 PROPOSED CONTOUR
- 816 EXISTING CONTOUR

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 MODEL NAME = Default
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 PLOT DATE = 1/30/2015

DESIGNED - MAG
 DRAWN - DJW
 CHECKED - AJS
 DATE - 2/17/14

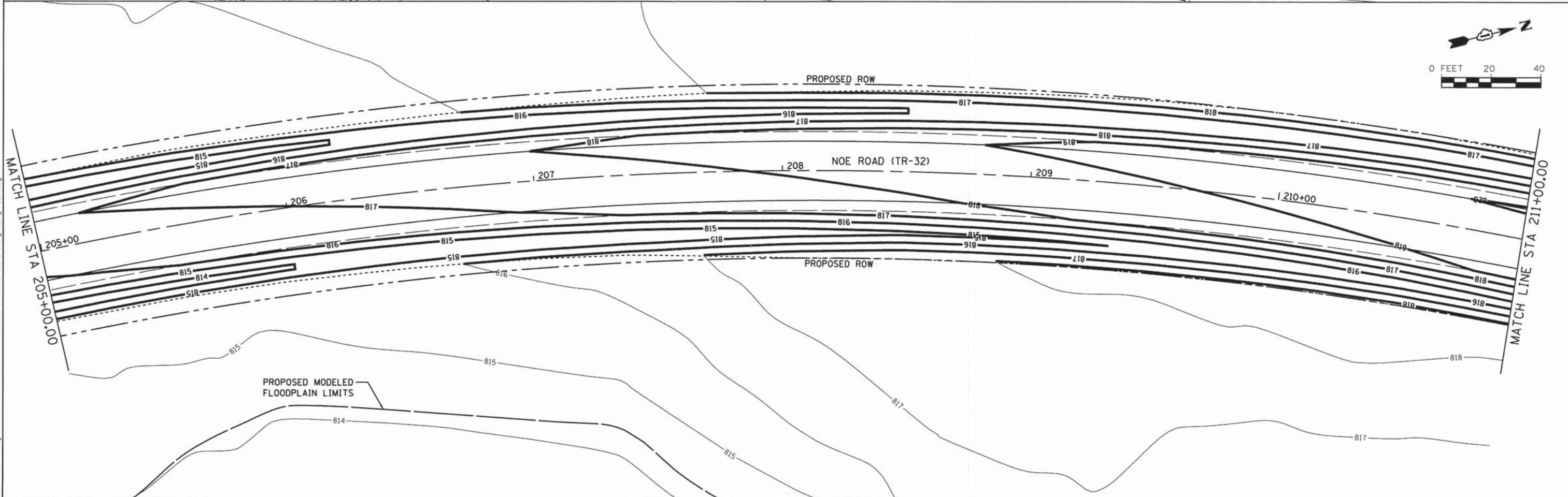
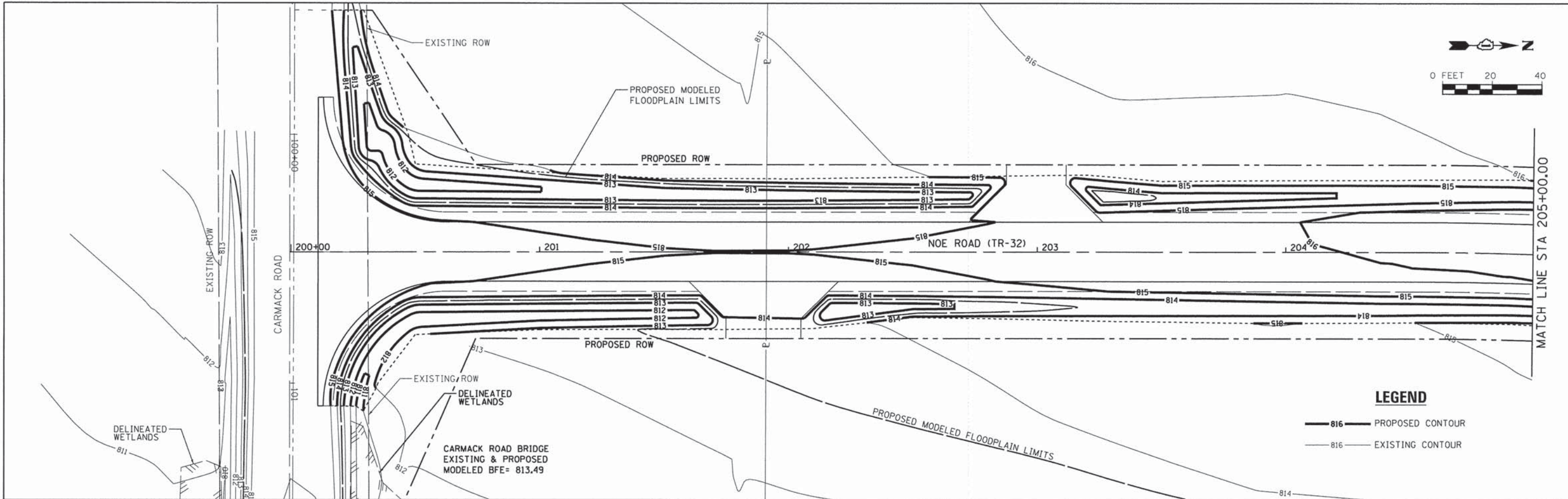
REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

GRADING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	42
FED. ROAD DIST. NO. 1			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63869	



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SA
STRAND
ASSOCIATES*

1170 SOUTH HUBBOLT ROAD
JOLIET, ILLINOIS 60431
(615) 744-4200

USER NAME = dennisw
MODEL NAME = Default
PLOT SCALE = 20.0000' / in.
PLOT DATE = 1/30/2015

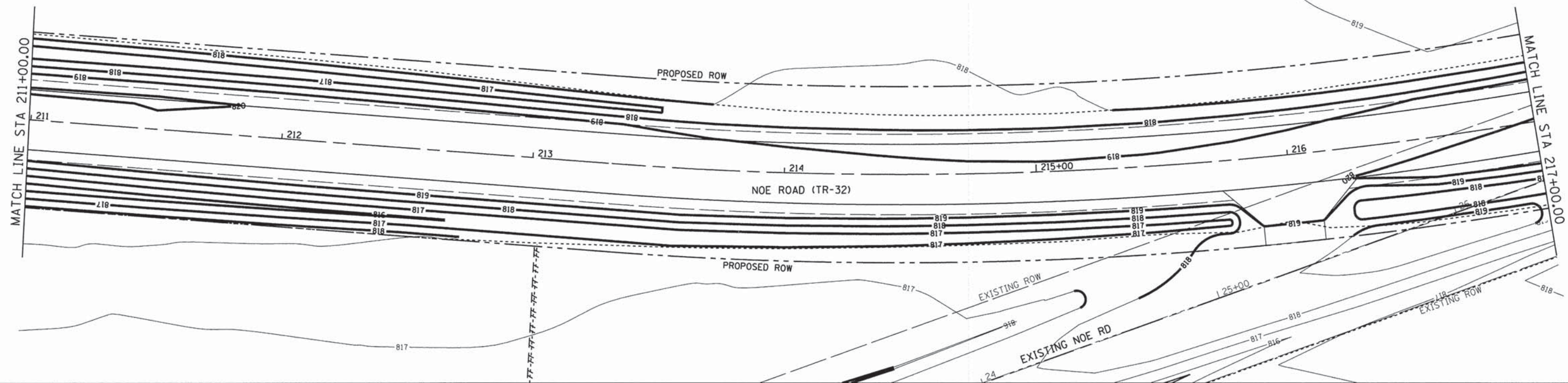
DESIGNED - MAG
DRAWN - DJW
CHECKED - AJS
DATE - 2/17/14

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

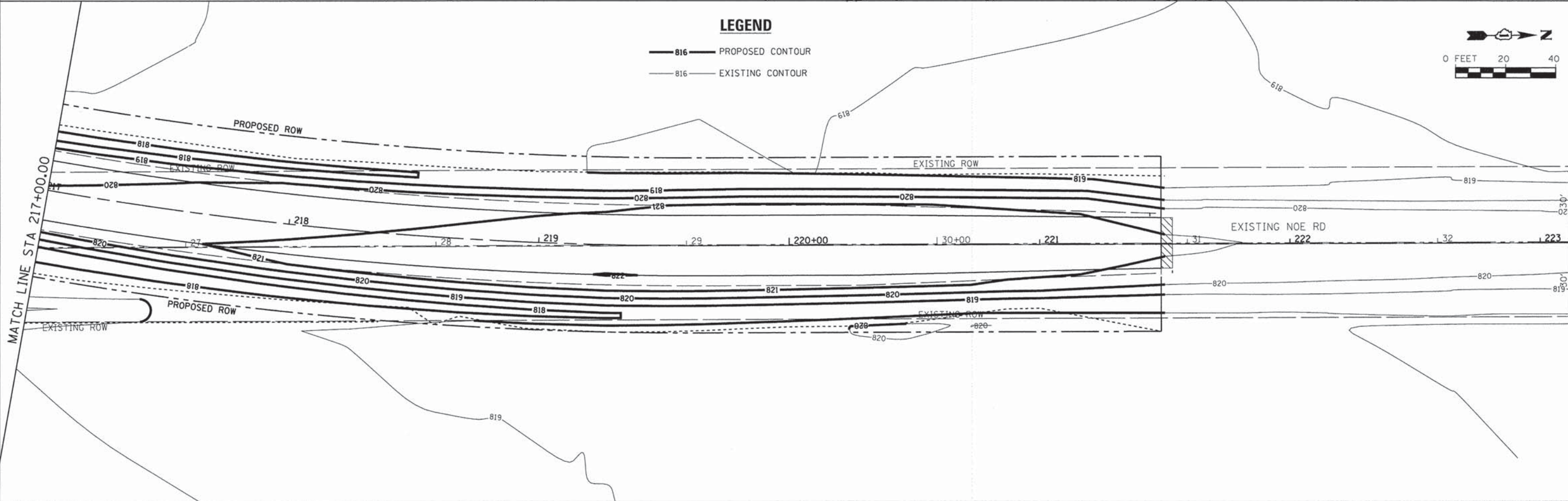
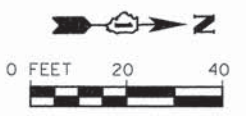
GRADING PLAN
SCALE: SHEET OF SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	43
CONTRACT NO. 63869				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LEGEND

- 816 — PROPOSED CONTOUR
- - - 816 - - - EXISTING CONTOUR



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USER NAME = dennisw	DESIGNED - MAG	REVISED -
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PLOT SCALE = 20.0000' / 1"	CHECKED - AJS	REVISED -
PLOT DATE = 1/30/2015	DATE - 2/17/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GRADING PLAN

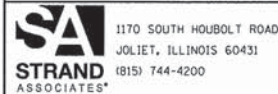
SCALE: SHEET OF SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	44
CONTRACT NO. 63869				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

EXISTING SIGN SCHEDULE								
DESCRIPTION	DESIGNATION	EXISTING LOCATION			EXISTING SIZE		REMOVE	
		STA. (EXISTING - ALIGNMENT)	OFFSET L/R	SUPPORT TYPE	WIDTH (FT)	HEIGHT (FT)	REMOVE SIGN PANEL - TYPE 1 (SQ FT)	REMOVE GROUND MOUNTED SIGN SUPPORT (EACH)
TWO-DIRECTION LARGE ARROW	W1-7	9+81.00	4 RT	GROUND MOUNT	4.0	2.0	8	1
NOE	D3-1	10+27.00	24 LT	GROUND MOUNT	1.5	1.0	1.5	1
CARMACK	D3-1	10+27.00	24 LT	GROUND MOUNT	2.0	1.0	2	
STOP	R1-1	10+48.00	17 LT	GROUND MOUNT	2.5	2.5	6.25	1
STOP AHEAD	W3-1	15+78.00	23 LT	GROUND MOUNT	2.5	2.5	6.25	1
AXLE WEIGHT LIMIT	R12-2	15+00.00	22 RT	GROUND MOUNT	2.0	2.5	5	1
TYPE 3 OBJECT MARKER	OM3-R	18+75.00	13 RT	GROUND MOUNT	1.0	3.0	3	1
NO LOITERING	-	18+75.00	13 RT	GROUND MOUNT	1.5	2.5	3.75	
TYPE 3 OBJECT MARKER	OM3-R	19+60.00	13 LT	GROUND MOUNT	1.0	3.0	3	1
TYPE 3 OBJECT MARKER	OM3-L	18+75.00	13 LT	GROUND MOUNT	1.0	3.0	3	1
NO LOITERING	-	19+60.00	13 LT	GROUND MOUNT	1.5	2.5	3.75	
TYPE 3 OBJECT MARKER	OM3-L	19+60.00	13 RT	GROUND MOUNT	1.0	3.0	3	1
TYPE 4 OBJECT MARKER	OM4-3	18+75.00	0 RT	GROUND MOUNT	2.5	2.5	6.25	-
TYPE 4 OBJECT MARKER	OM4-3	18+75.00	5 LT	GROUND MOUNT	2.5	2.5	6.25	-
TYPE 4 OBJECT MARKER	OM4-3	19+60.00	5 RT	GROUND MOUNT	2.5	2.5	6.25	-
TYPE 4 OBJECT MARKER	OM4-3	19+60.00	0 RT	GROUND MOUNT	2.5	2.5	6.25	-
TYPE 4 OBJECT MARKER	OM4-3	19+60.00	5 LT	GROUND MOUNT	2.5	2.5	6.25	-
TOTAL							79.75	9

PROPOSED SIGN SCHEDULE									
SIGN #	DESCRIPTION	DESIGNATION	PROPOSED LOCATION			PROPOSED SIZE		INSTALL	
			STA.	OFFSET L/R	SUPPORT TYPE	WIDTH (FT)	HEIGHT (FT)	SIGN PANEL - TYPE 1 (SQ FT)	TELESCOPING STEEL SIGN SUPPORT (FT)
P-100	TWO-DIRECTION LARGE ARROW	W1-7	199+80.00	0 LT	GROUND MOUNT	4	2	8	14.0
P-101	STREET SIGN	D3-1	200+30.00	58 LT	GROUND MOUNT	2.5	1	2.5	
P-102	STREET SIGN	D3-1	200+30.00	58 LT	GROUND MOUNT	3	1	3	
P-103	STOP	R1-1	200+30.00	30 LT	GROUND MOUNT	2.5	2.5	6.25	16.5
P-104	REVERSE CURVE	W1-4	202+50.00	24 RT	GROUND MOUNT	2.5	2.5	6.25	14.5
P-105	CHEVRON	W1-8	204+50.00	24 LT	GROUND MOUNT	1.5	2.0	3	14.0
P-106	CHEVRON	W1-8	204+50.00	24 LT	GROUND MOUNT	1.5	2.0	3	
P-107	CHEVRON	W1-8	206+10.00	24 LT	GROUND MOUNT	1.5	2.0	3	14.0
P-108	CHEVRON	W1-8	206+10.00	24 LT	GROUND MOUNT	1.5	2.0	3	
P-109	CHEVRON	W1-8	207+70.00	24 LT	GROUND MOUNT	1.5	2.0	3	14.0
P-110	CHEVRON	W1-8	207+70.00	24 LT	GROUND MOUNT	1.5	2.0	3	
P-111	CHEVRON	W1-8	209+30.00	24 LT	GROUND MOUNT	1.5	2.0	3	14.0
P-112	CHEVRON	W1-8	209+30.00	24 LT	GROUND MOUNT	1.5	2.0	3	
P-113	CHEVRON	W1-8	210+90.00	24 RT	GROUND MOUNT	1.5	2.0	3	14.0
P-114	CHEVRON	W1-8	210+90.00	24 RT	GROUND MOUNT	1.5	2.0	3	
P-115	CHEVRON	W1-8	213+80.00	24 RT	GROUND MOUNT	1.5	2.0	3	14.0
P-116	CHEVRON	W1-8	213+80.00	24 RT	GROUND MOUNT	1.5	2.0	3	
P-117	CHEVRON	W1-8	215+73.00	24 RT	GROUND MOUNT	1.5	2.0	3	14.0
P-118	CHEVRON	W1-8	215+73.00	24 RT	GROUND MOUNT	1.5	2.0	3	
P-119	CHEVRON	W1-8	217+70.00	24 RT	GROUND MOUNT	1.5	2.0	3	14.0
P-120	CHEVRON	W1-8	217+70.00	24 RT	GROUND MOUNT	1.5	2.0	3	
P-121	CHEVRON	W1-8	219+67.00	24 RT	GROUND MOUNT	1.5	2.0	3	14.0
P-122	CHEVRON	W1-8	219+67.00	24 RT	GROUND MOUNT	1.5	2.0	3	
P-123	REVERSE CURVE	W1-4	222+67.00	24 LT	GROUND MOUNT	2.5	2.5	6.25	14.5
P-125	NO PASSING ZONE	W14-3	224+54.00	22 RT	GROUND MOUNT	4 X 4	3.0	5.55	15.0
P-126	STOP AHEAD	W3-1	203+50.00	24 LT	GROUND MOUNT	2.5	2.5	6.25	14.5
P-127	AXLE WEIGHT LIMIT	R12-2	201+50.00	24 RT	GROUND MOUNT	2.0	2.5	5	14.5
TOTAL								104	230

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 DRAWN - DJW
 CHECKED - AJS
 DATE - 2/17/14

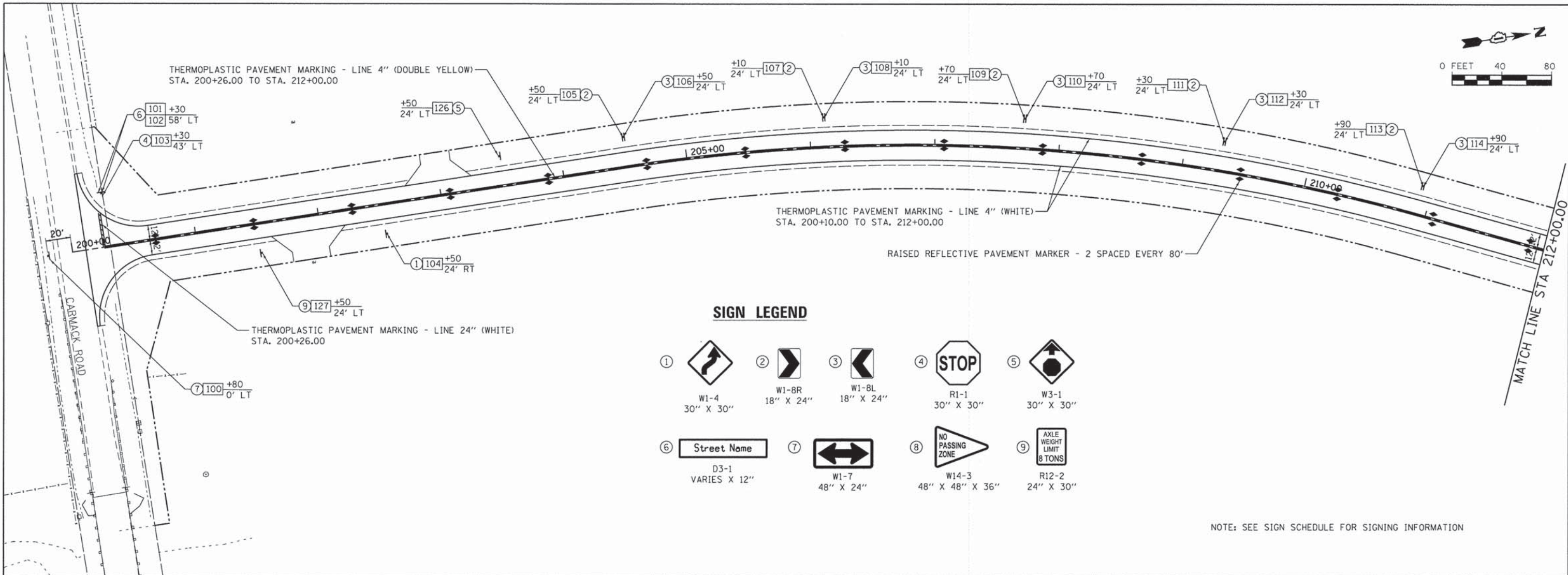
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

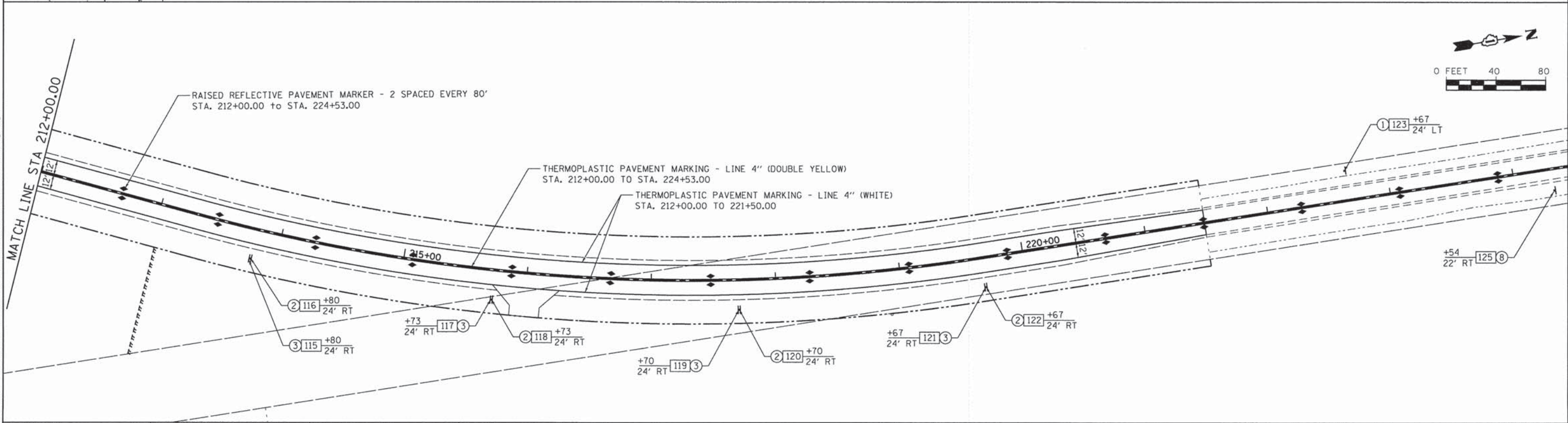
SIGN SCHEDULES

SCALE: SHEET OF SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	45
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63869	



NOTE: SEE SIGN SCHEDULE FOR SIGNING INFORMATION



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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

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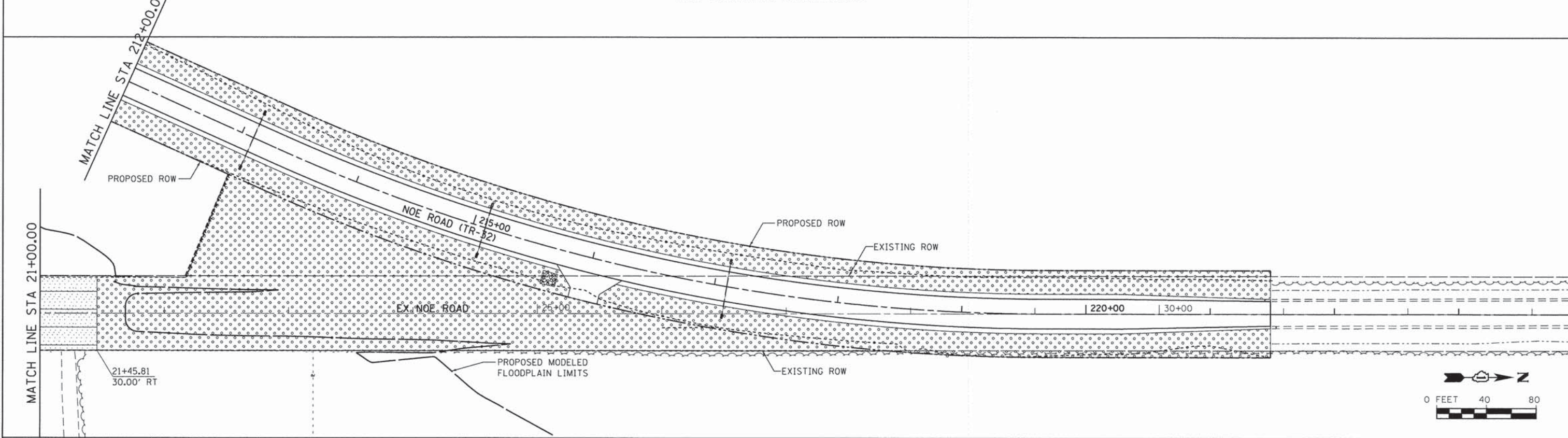
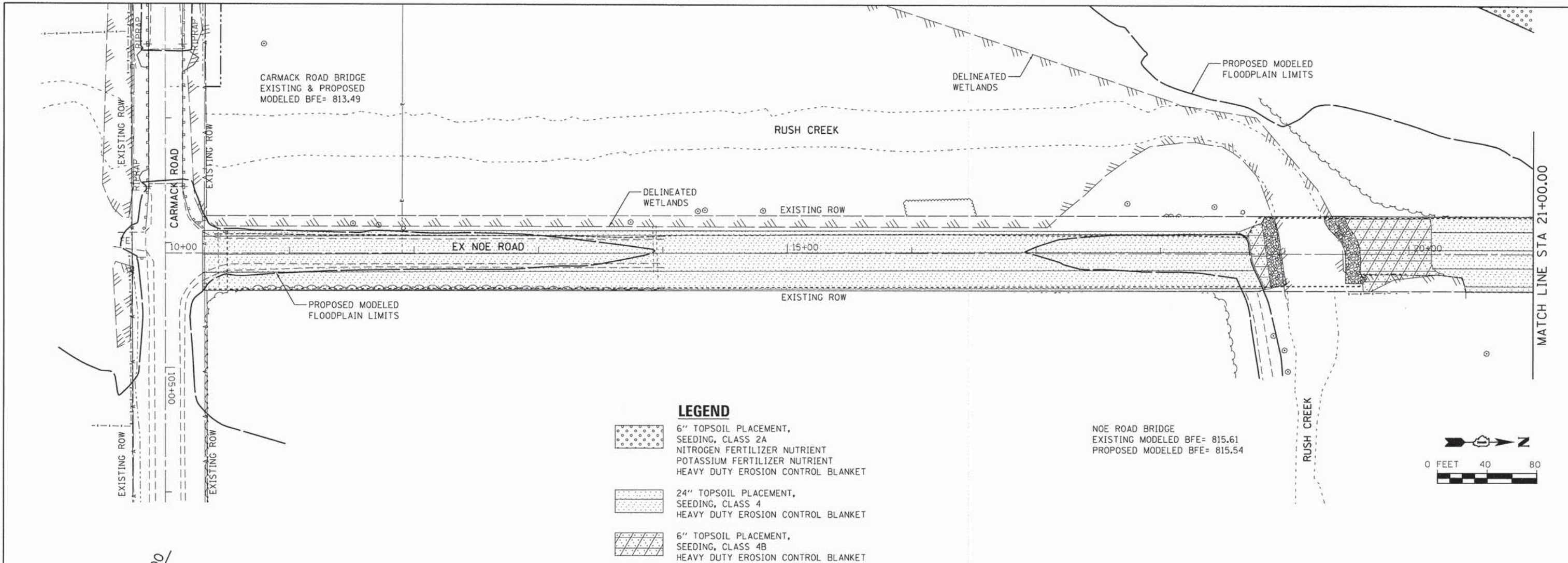
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	46
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 63869



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SA STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JULIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = dennisw
 PLLOT SCALE = 40.0000' / 1" =
 PLOT DATE = 1/30/2015

DESIGNED - MAG
 DRAWN - DJW
 CHECKED - AJS
 DATE - 2/17/14

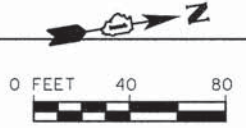
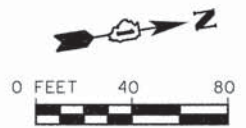
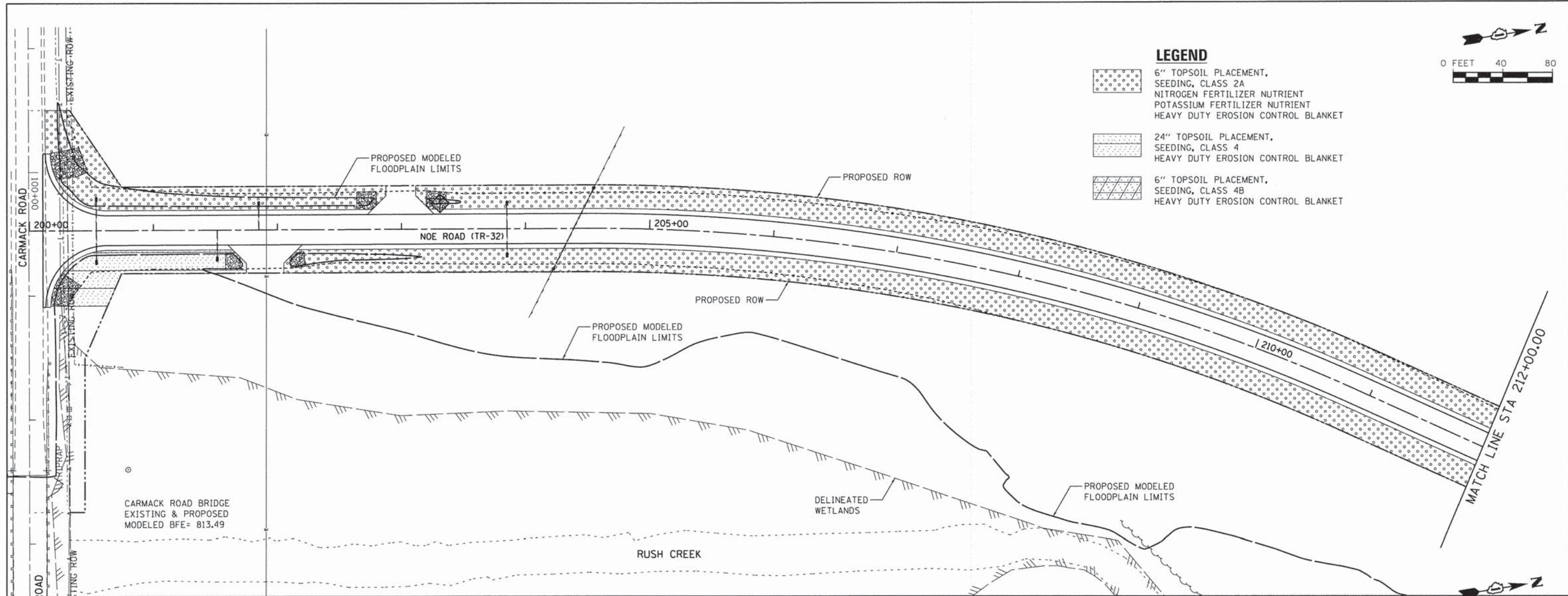
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

LANDSCAPING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	48
CONTRACT NO. 63869				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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SA
STRAND ASSOCIATES*

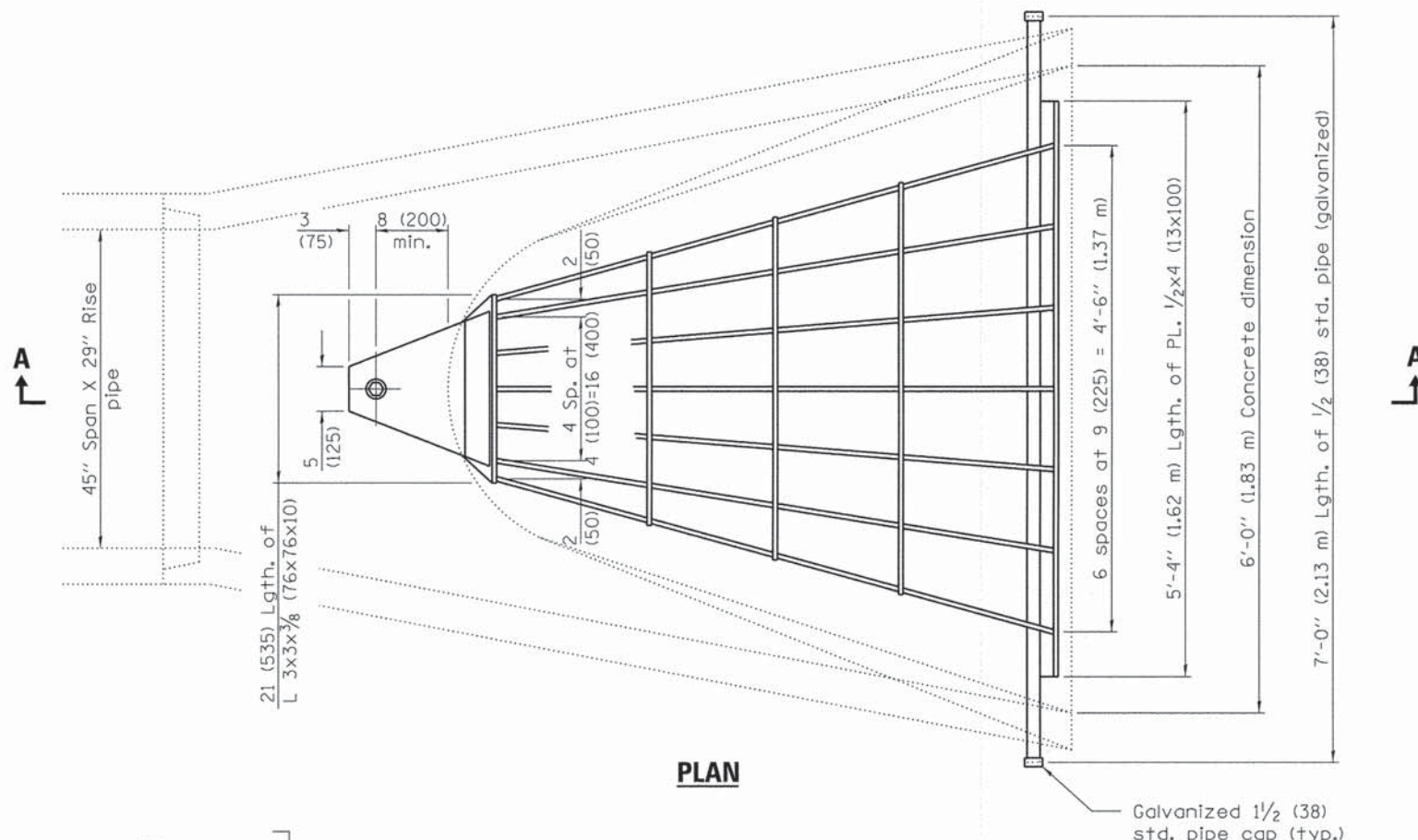
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

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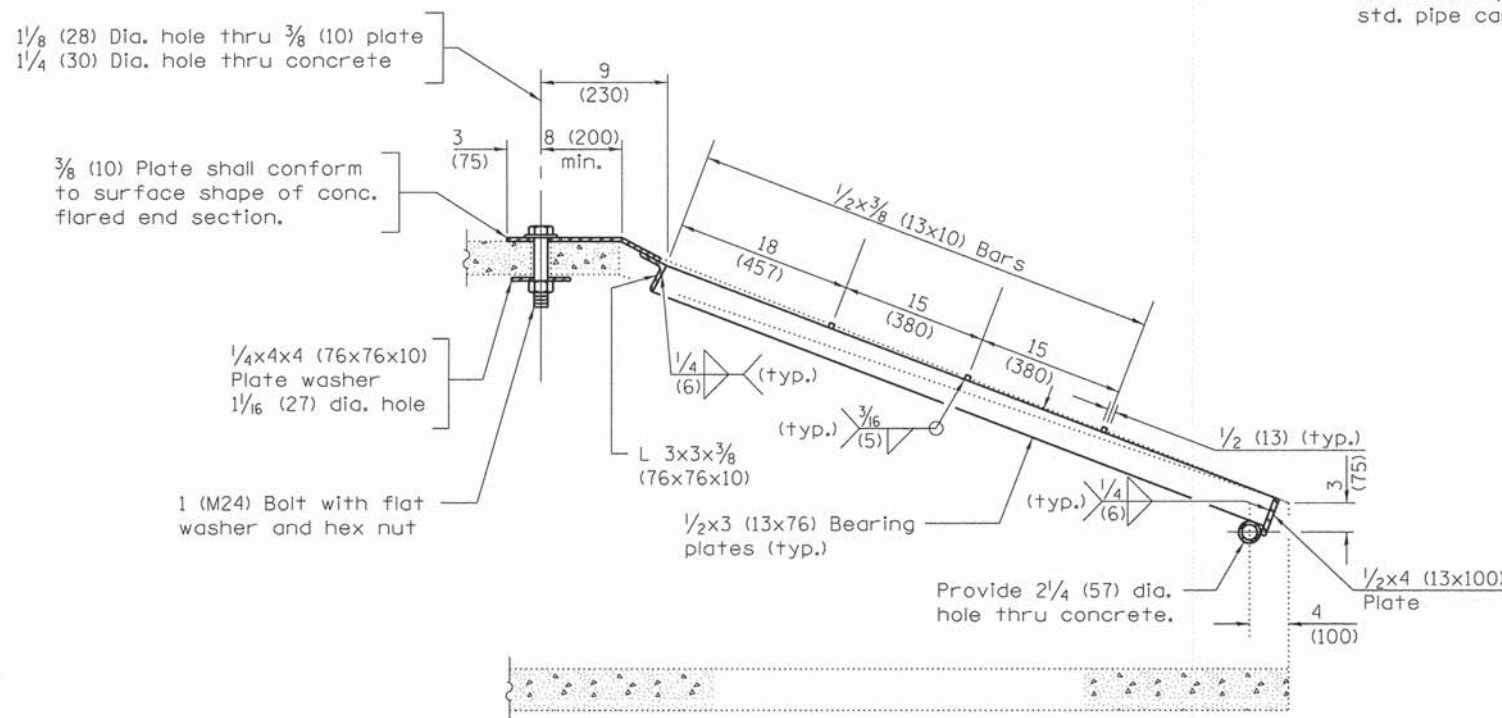
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LANDSCAPING PLAN	
SCALE:	SHEET OF SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	49
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63869	



PLAN



SECTION A-A

NOTES

Grating details shown are intended for use with particular sizes of precast reinforced concrete flared end sections as shown on standard 542306.

Holes in the precast concrete flared end sections shall be cored to the diameters noted. If cone-out on the other end of the hole occurs, the hole shall be filled with grout to correct the diameter of the hole.

Contractor shall verify dimensions and materials of grating for Precast Reinforced Concrete Flared End Sections, Equivalent Round-Size 36"

Galvanized 1/2 (38) std. pipe cap (typ.)

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All dimensions are in inches (millimeters) unless otherwise shown.



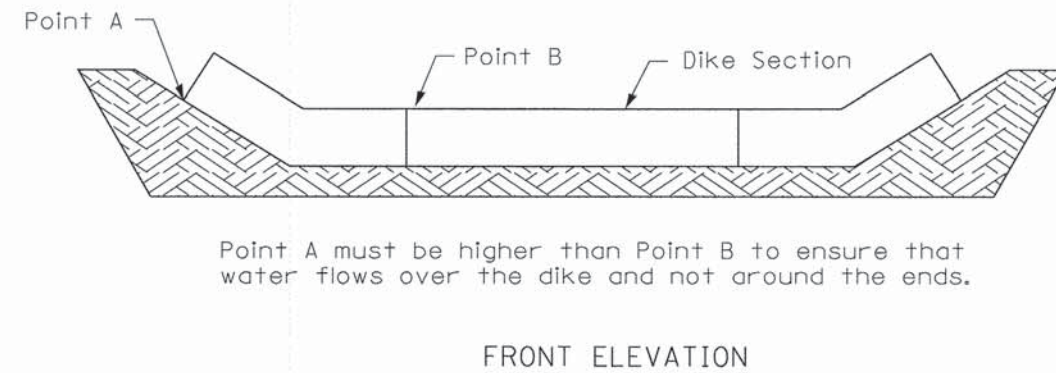
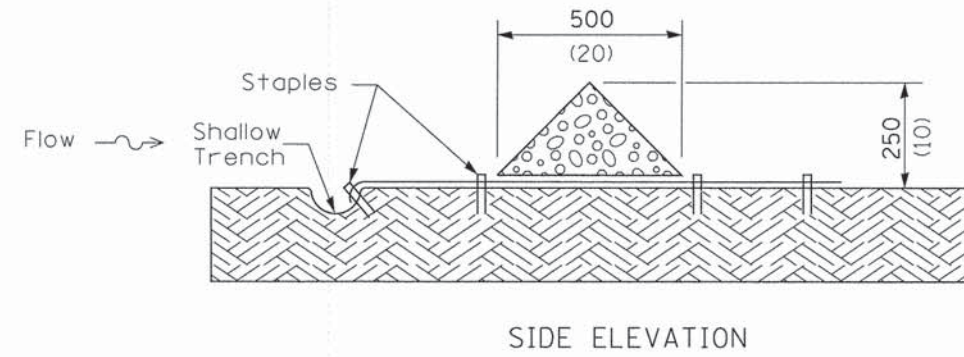
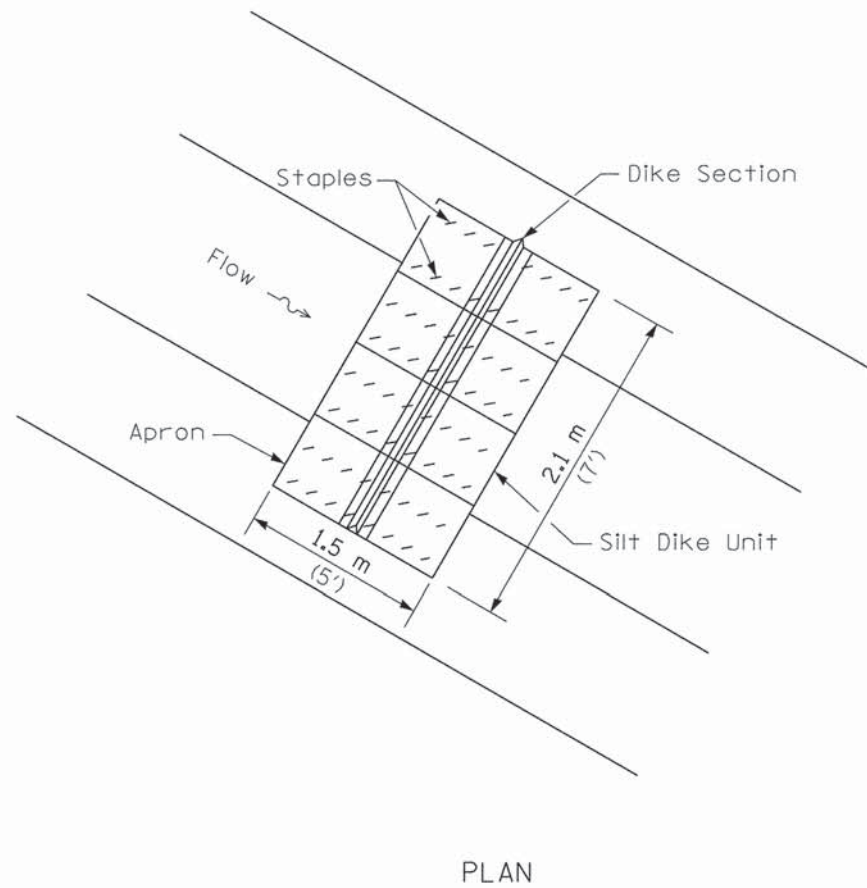
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	DATE - 2/17/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GRATING FOR CONCRETE HEADWALLS NO. 1&2

SCALE: SHEET OF SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	50
FED. ROAD DIST. NO. 1			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63869	



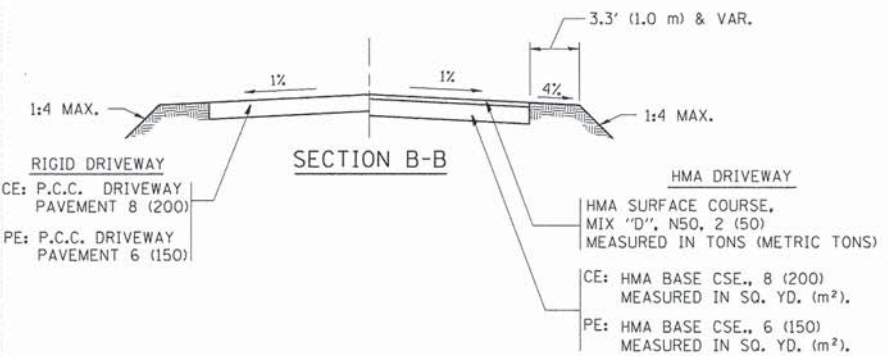
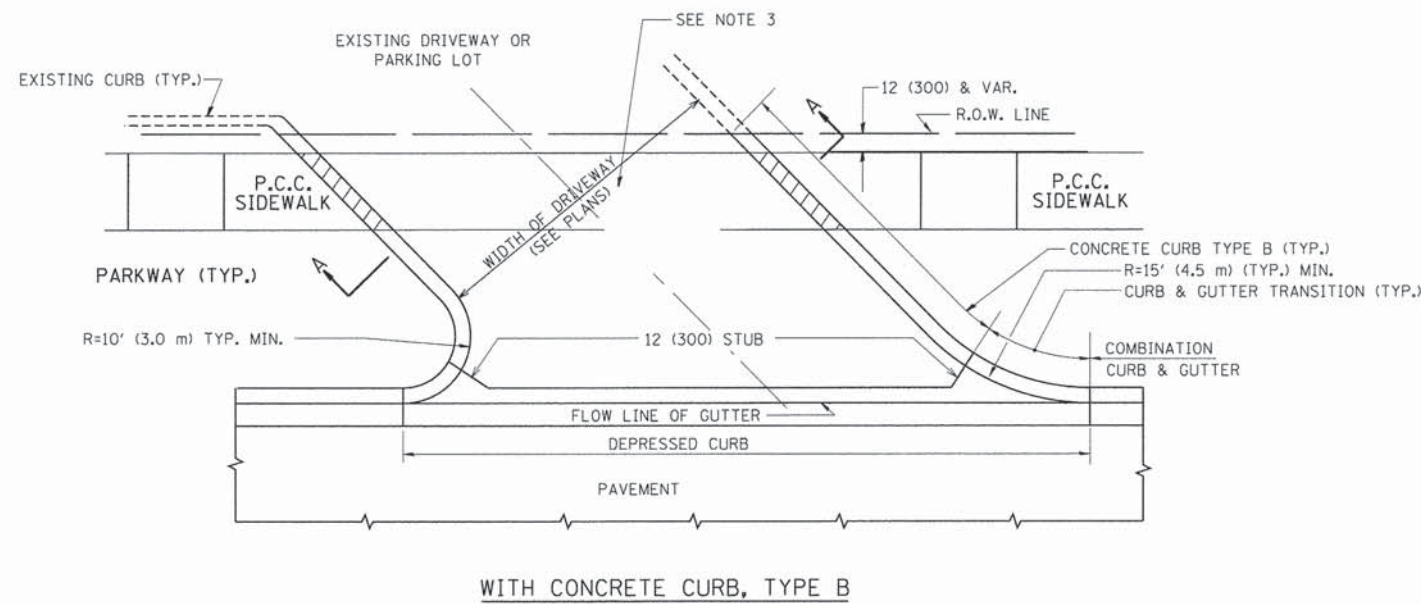
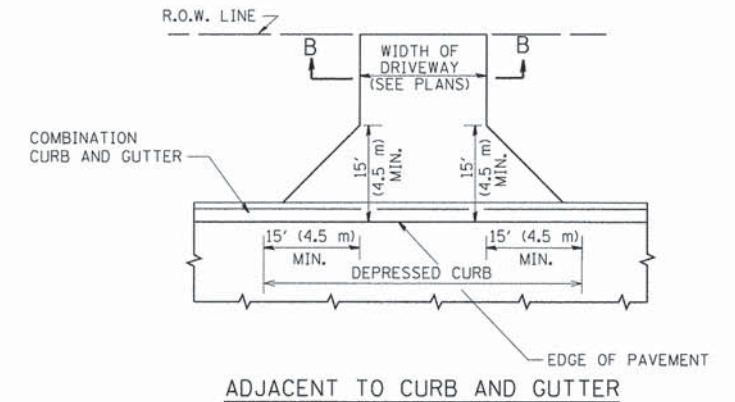
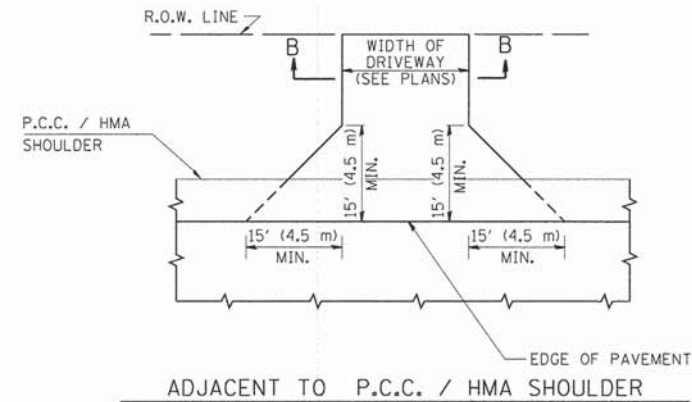
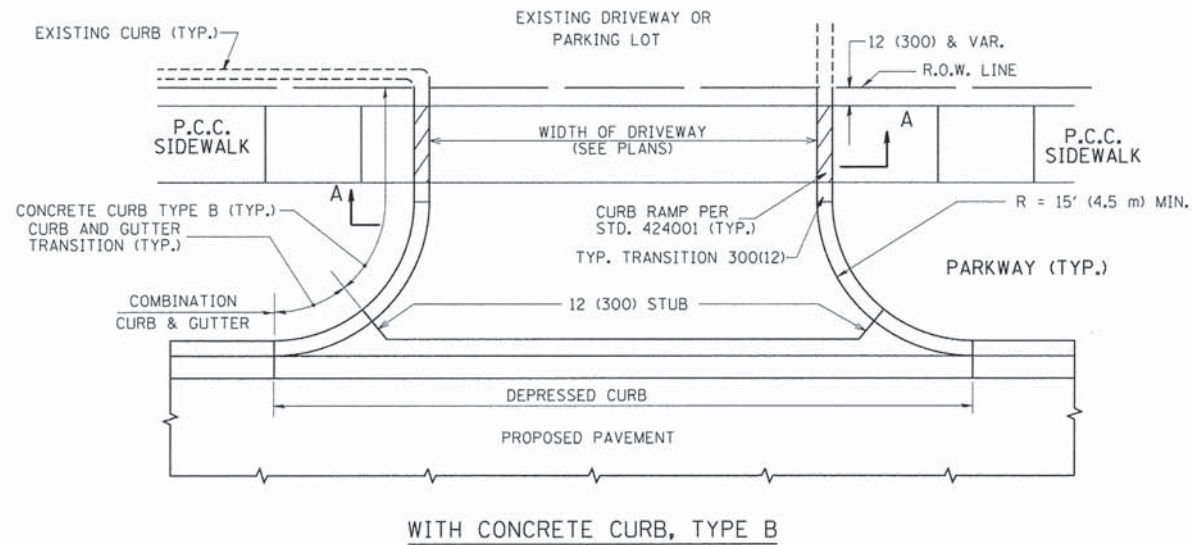
Point A must be higher than Point B to ensure that water flows over the dike and not around the ends.

URETHANE FOAM/GEOTEXTILE DITCH CHECK

NOTES

All dimensions are in millimeters (inches) unless otherwise shown.

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	McHENRY COUNTY DIVISION OF TRANSPORTATION	URETHANE FOAM/GEOTEXTILE DITCH CHECK DETAIL	TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -			32	08-00357-00-BR	McHENRY	68	51
		CHECKED -	REVISED -			CONTRACT NO. 63869				
		DATE -	REVISED -			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
		PLOT SCALE = #SCALE#			SCALE: NTS	SHEET NO.	OF	SHEETS	STA.	TO STA.
		PLOT DATE = #DATE#								



RURAL FIELD ENTRANCE (FE)
 HMA SURFACE COURSE, MIX "D", N50, 2 (50) MEASURED IN TONS (METRIC TONS)
 AGGREGATE BASE CSE., TYPE B, 8 (200) MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

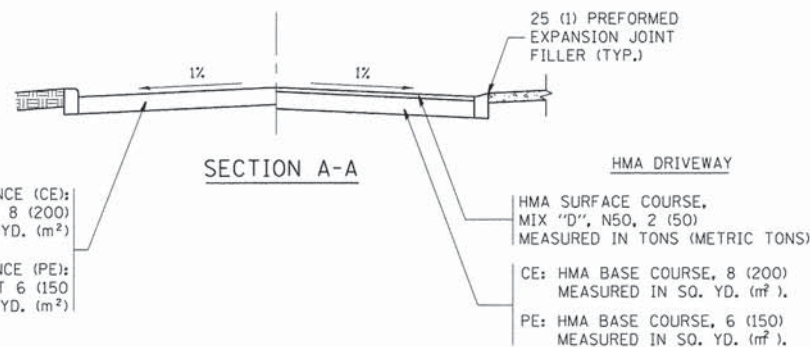
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

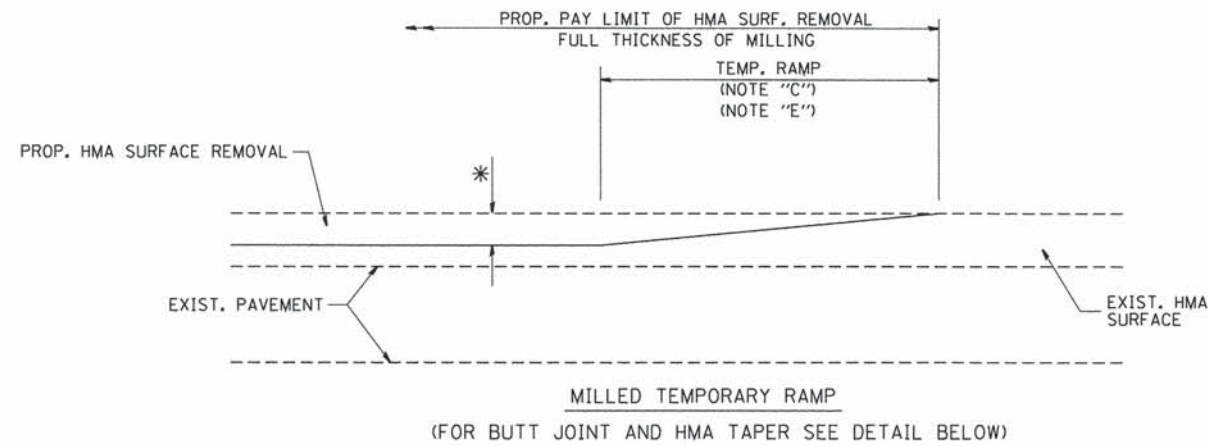


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		CHECKED -	REVISED - R. BORO 06-11-08
		DATE - 11-04-95	REVISED - R. BORO 09-06-11

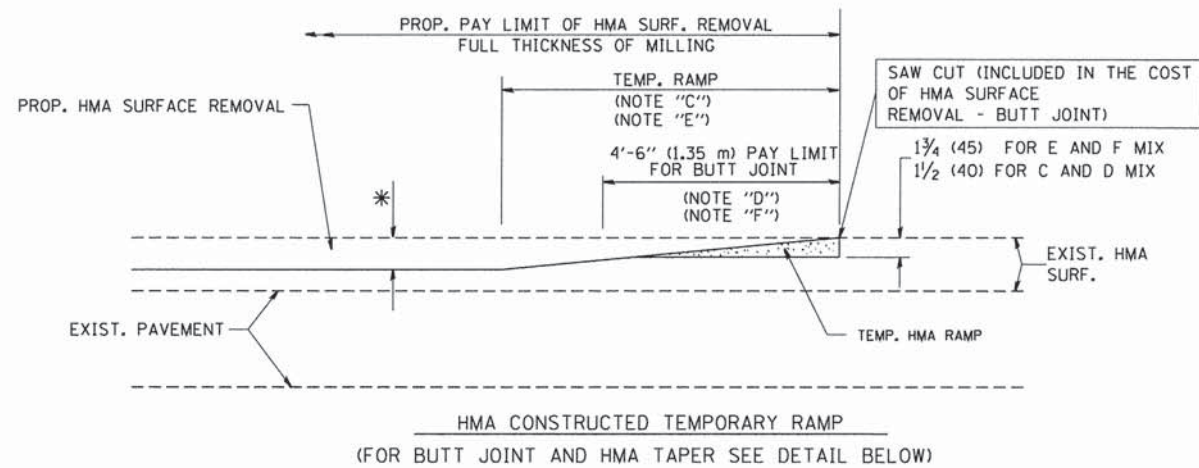
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

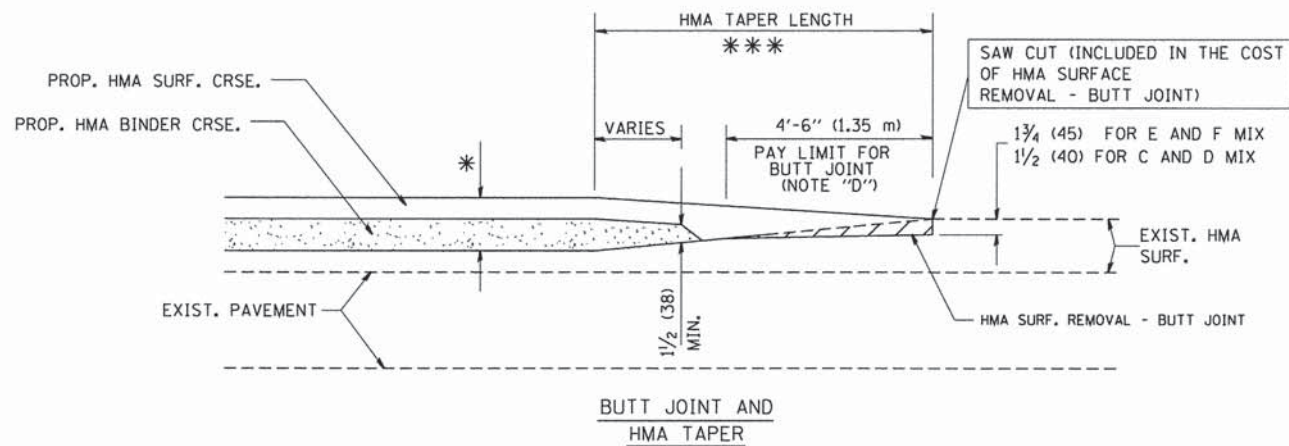
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32	08-00357-00-BR	MCHENRY	68	52
BD0156-07 (BD-01)		CONTRACT NO.	63869	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				



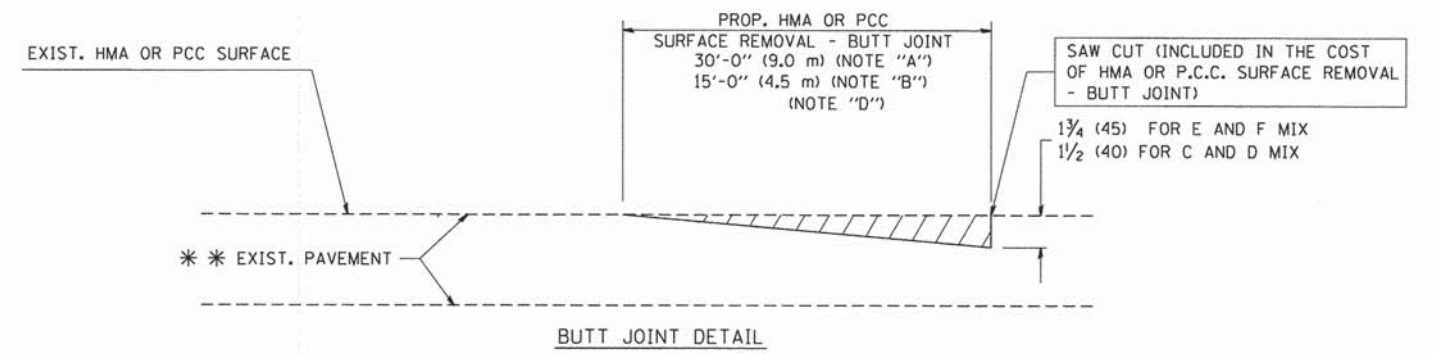
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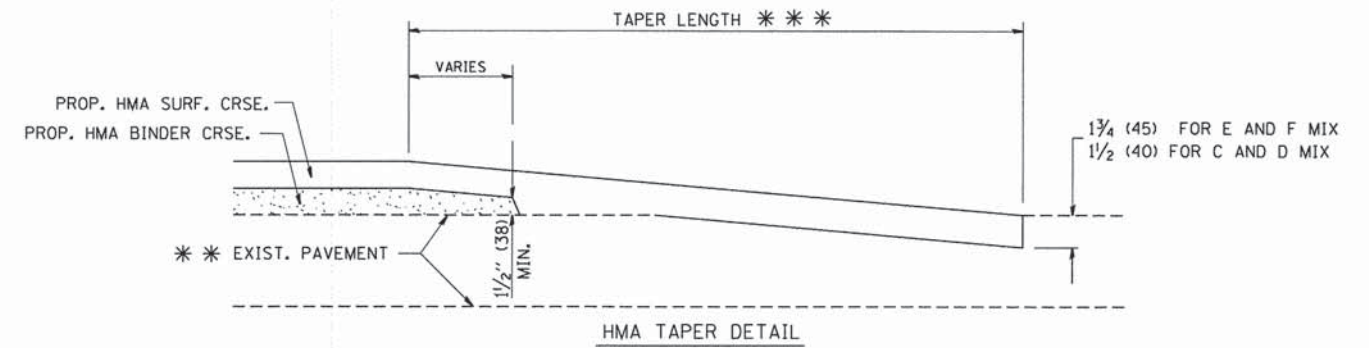
OPTION 2
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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PLOT DATE = 1/4/2008

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DRAWN -
CHECKED -
DATE - 06-13-90

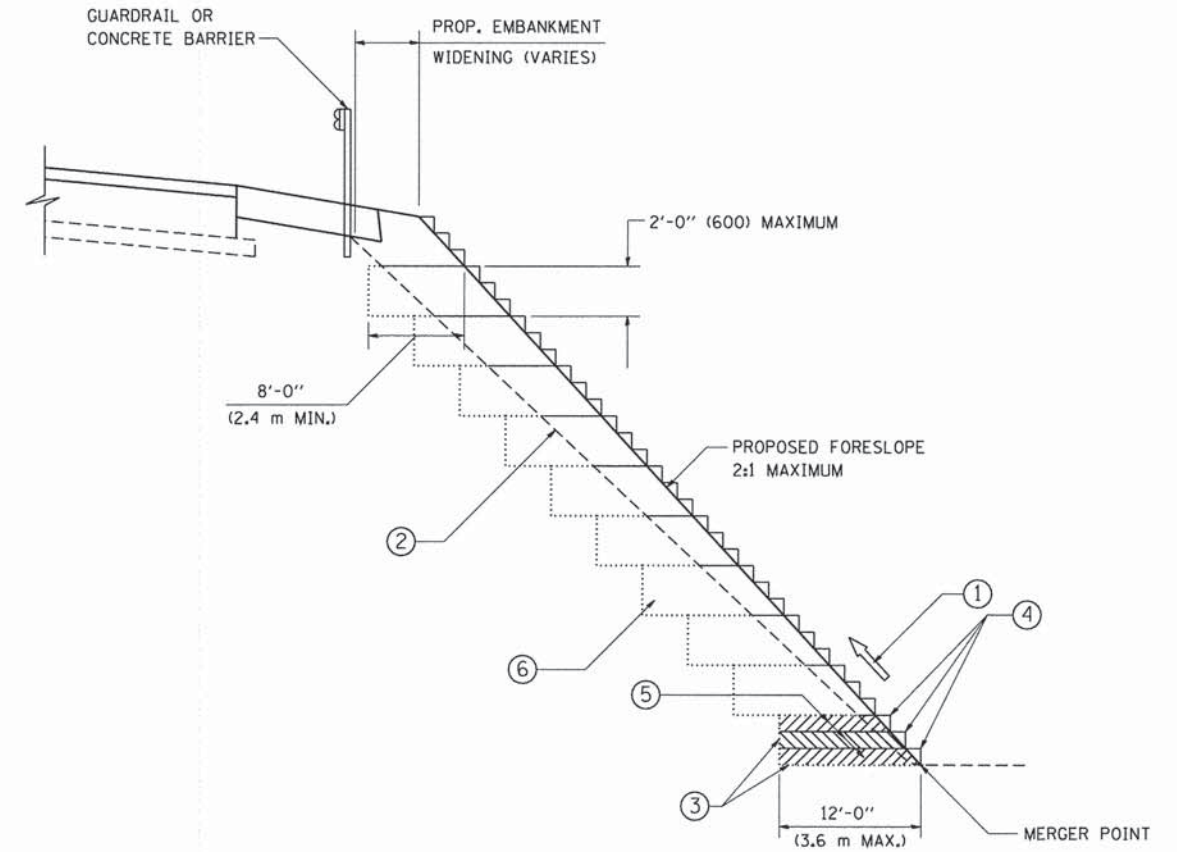
REVISED - R. SHAH 10-25-94
REVISED - A. ABBAS 03-21-97
REVISED - M. GOMEZ 04-06-01
REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	53
BD400-05 BD32 CONTRACT NO. 63869				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TYPICAL BENCHING DETAIL
FOR EMBANKMENT

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

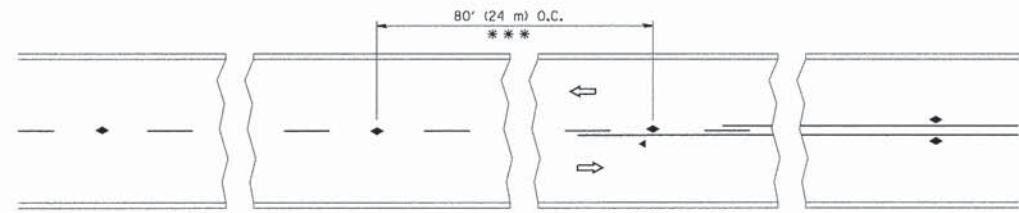
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BENCHING DETAIL
FOR EMBANKMENT WIDENING

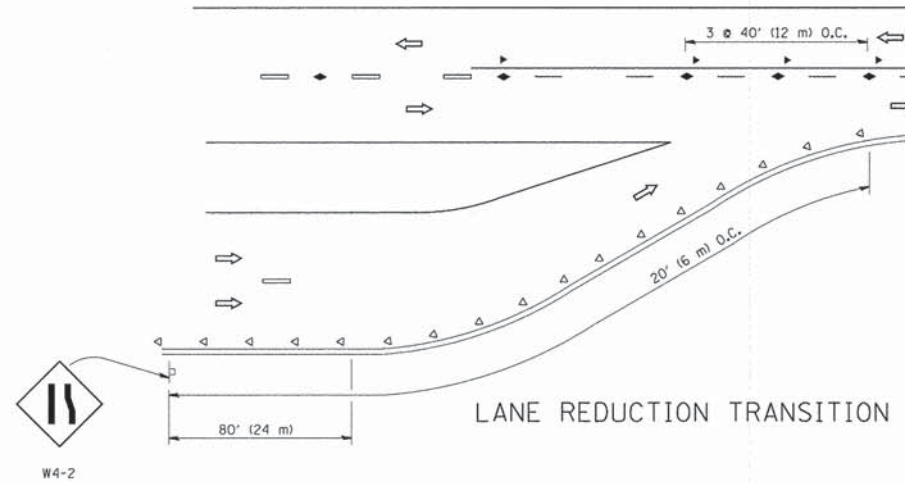
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TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD-51			CONTRACT NO. 63869	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

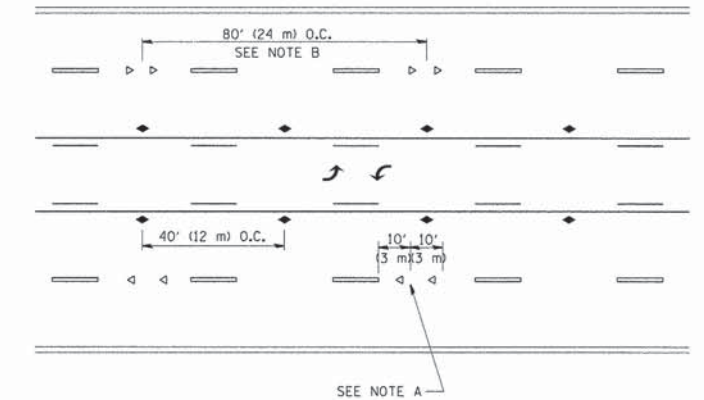


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

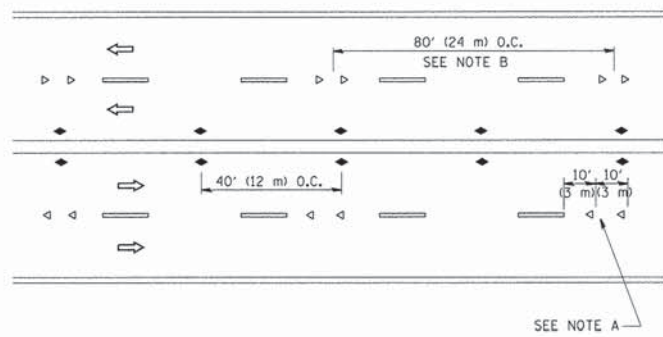
TWO-LANE/TWO-WAY



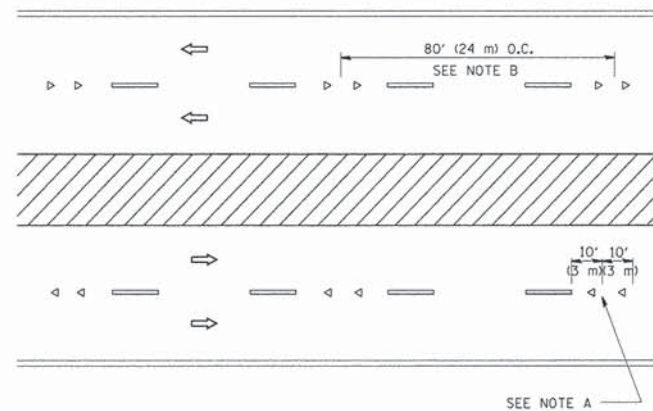
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

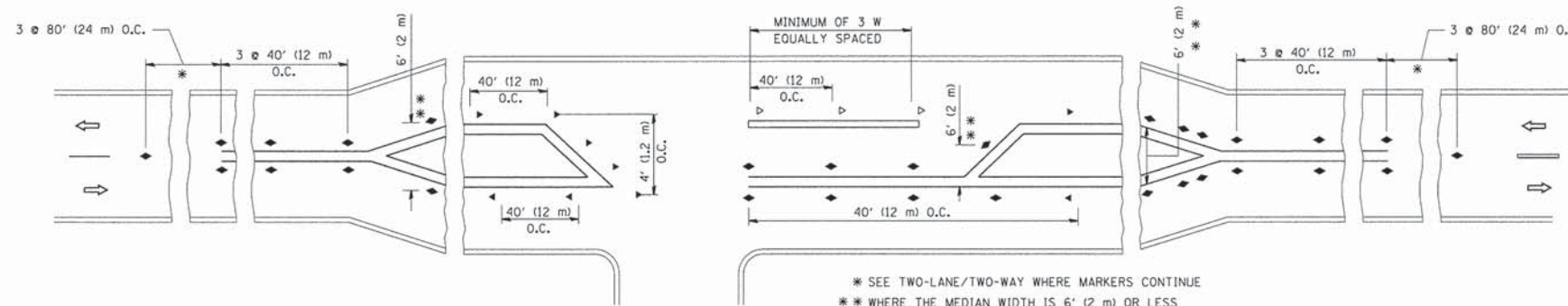
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

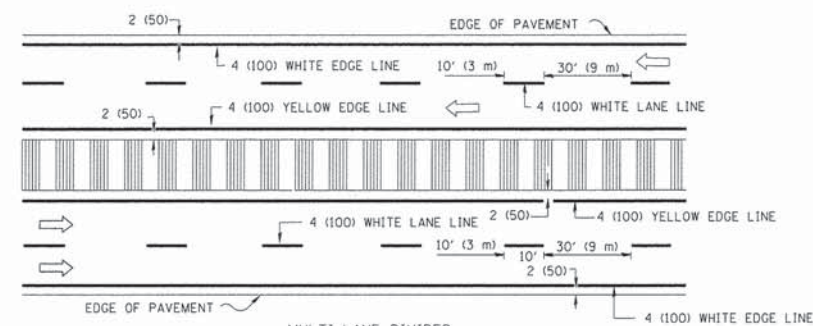
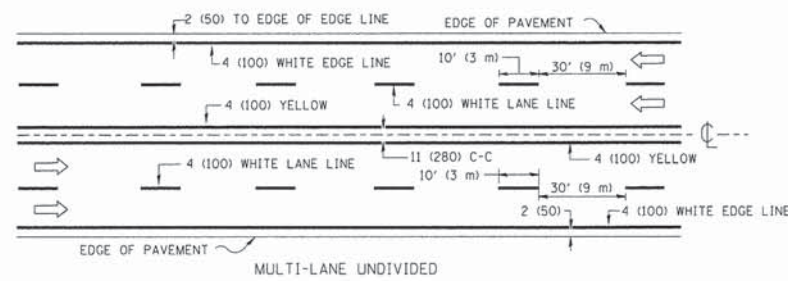
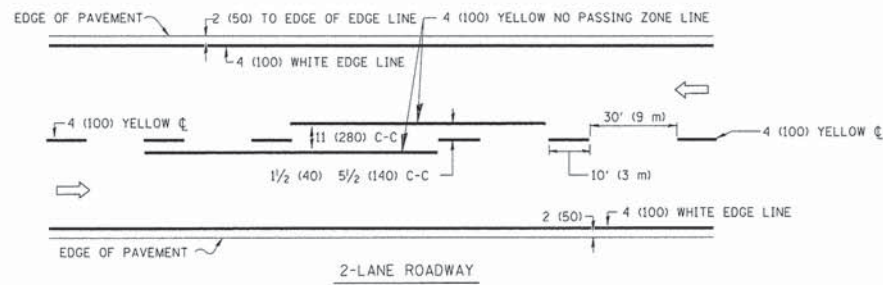
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

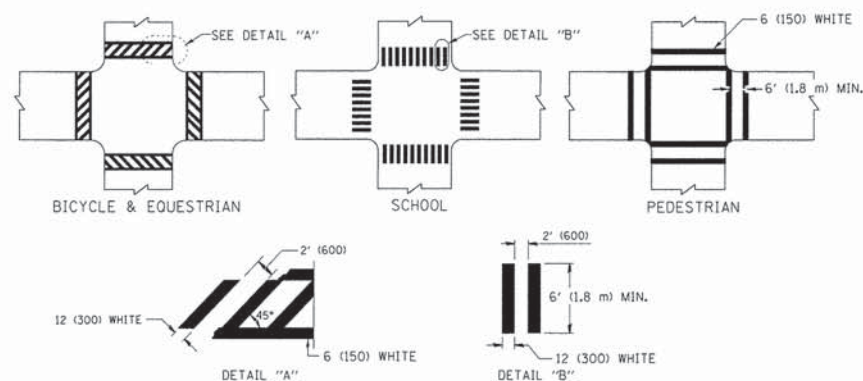
TYPICAL APPLICATIONS			
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	55
TC-11			CONTRACT NO. 63869	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

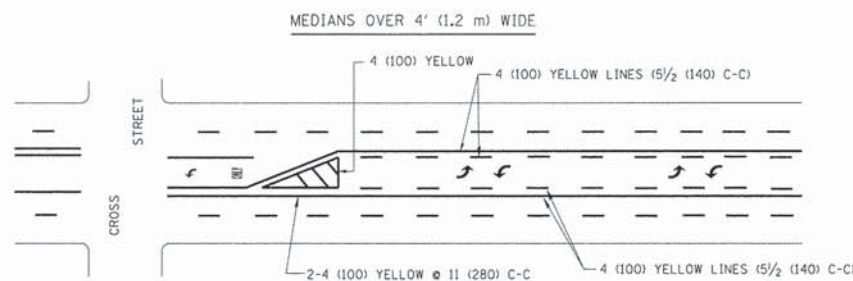
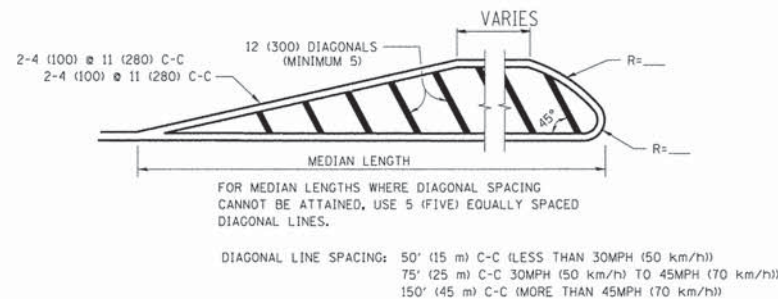
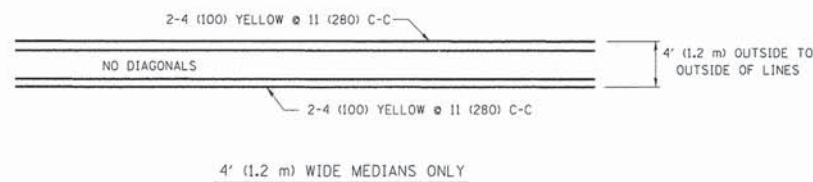


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

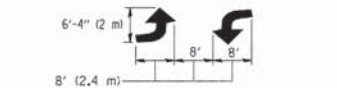
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

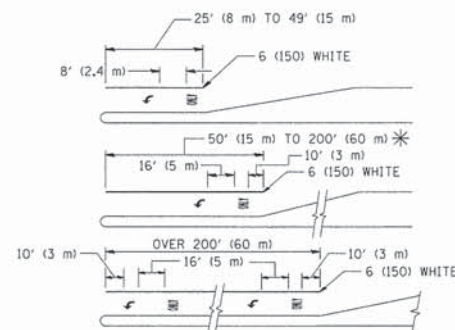


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

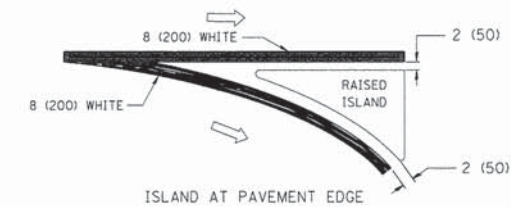
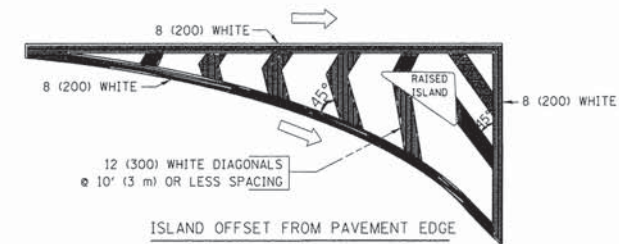
TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION	4 (100)	SOLID	YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE
NO PASSING ZONE LINES: FOR BOTH DIRECTIONS	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in Inches (millimeters) unless otherwise shown.

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

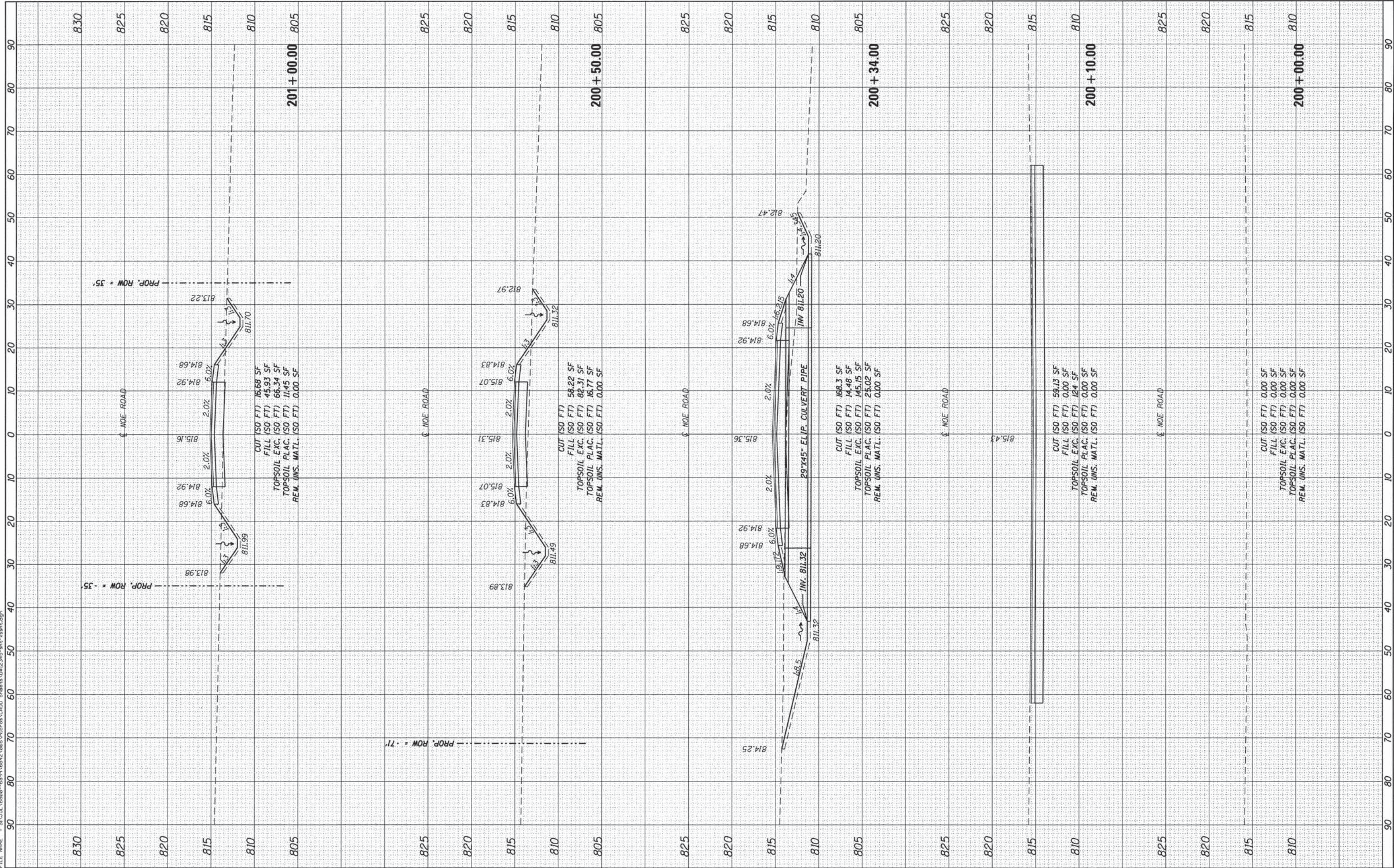
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TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	56
TC-13		CONTRACT NO. 63869		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

NO.	AREAS CHECKED
NO.	TEMPLATES
NO.	NOTE BOOK
NO.	PLOTTED
NO.	SURVEYED
NO.	BY
NO.	DATE

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NO.	DATE

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SA STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = dennisw
 MODEL NAME = Default
 PLOT SCALE = 10,0000 ' / 1" =
 PLOT DATE = 1/30/2015

DESIGNED - MAG
 DRAWN - DJW
 CHECKED - AJS
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REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

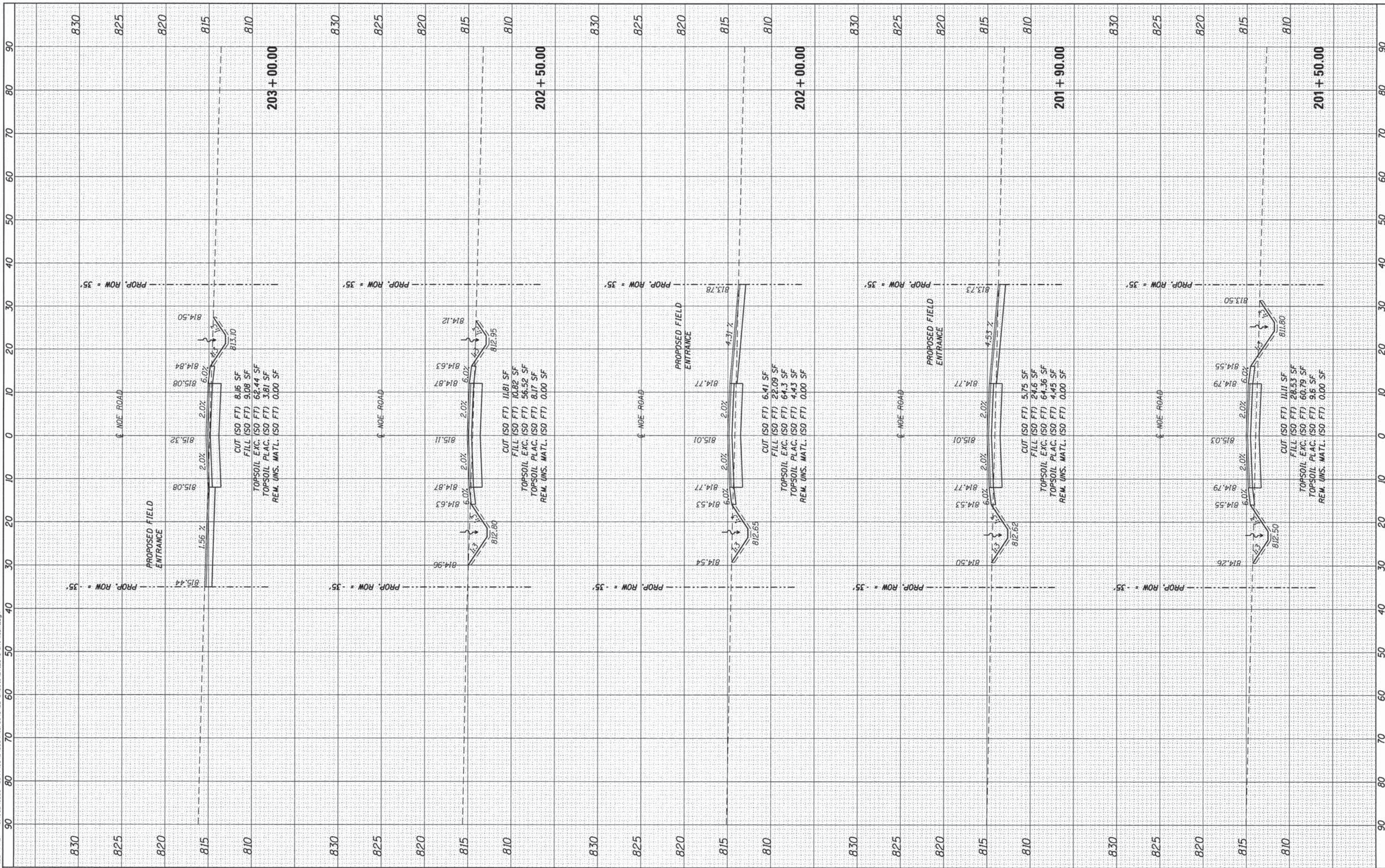
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TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	57
			CONTRACT NO. 63869	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = demniss
MODEL NAME = Default
PLOT SCALE = 10.0000' / in.
PLOT DATE = 1/30/2015

DESIGNED - MAG
DRAWN - DJW
CHECKED - AJS
DATE - 2/17/14

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NOE ROAD CROSS SECTIONS

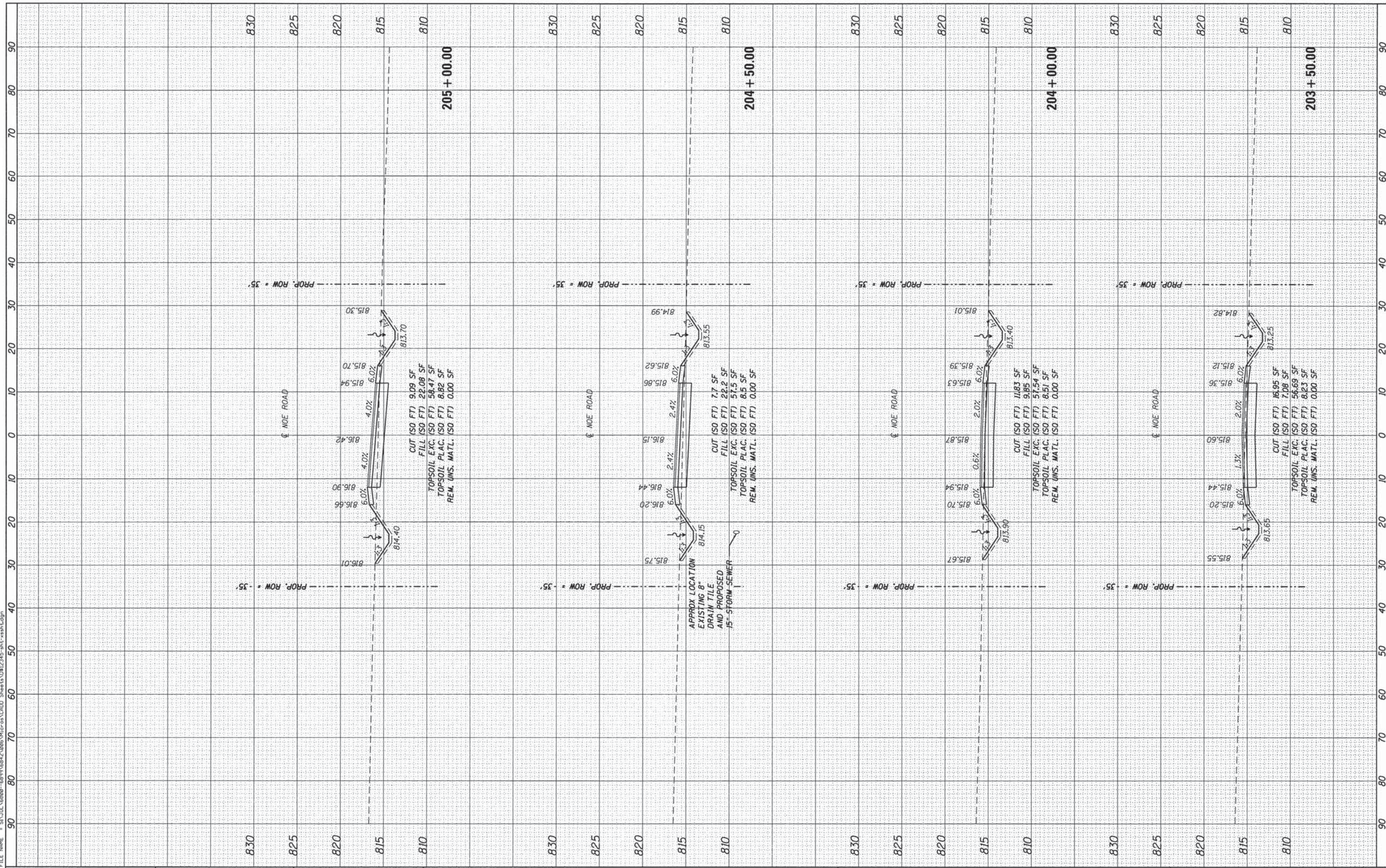
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				CONTRACT NO. 63869
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	DATE
SUBMITTED	
PLOTTED	
TEMPLATE	
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ORIGINAL SURVEY NO.	DATE
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PLOTTED	
TEMPLATE	
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SA 1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
STRAND ASSOCIATES (815) 744-4200

USER NAME = dennissw
MODEL NAME = Default
PLOT SCALE = 10.0000' / in.
PLOT DATE = 1/30/2015

DESIGNED - MAG
DRAWN - DJW
CHECKED - AJ5
DATE - 2/17/14

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NOE ROAD CROSS SECTIONS

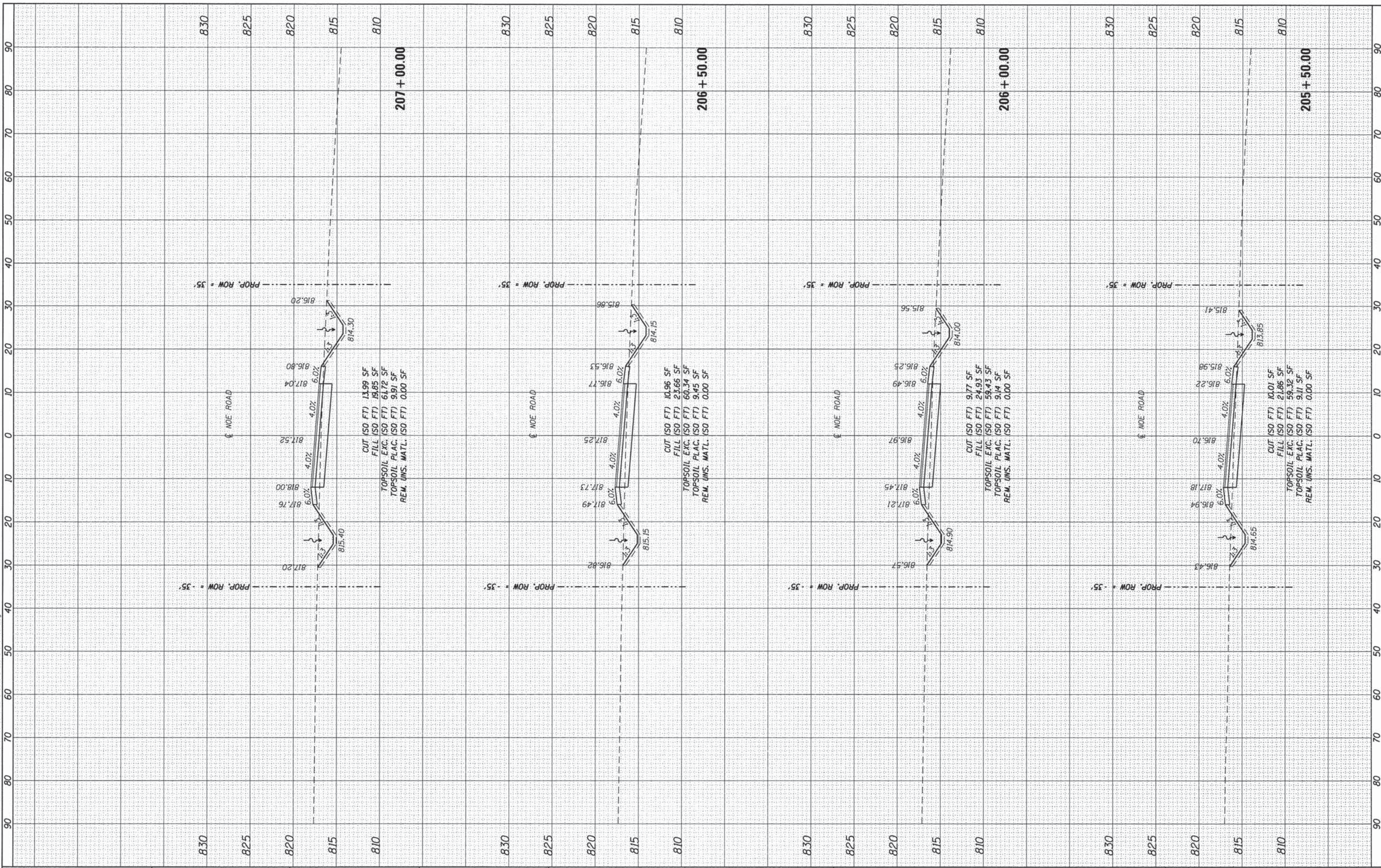
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			CONTRACT NO. 63869	
ILLINOIS FED. AID PROJECT				

FINL	SURVEY	DATE
SUBMITTED	PLOTTED	
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NOTE BOOK	
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 (815) 744-4200

USER NAME = dennisw
 MODEL NAME = Default
 PLOT SCALE = 10,0000' / in.
 PLOT DATE = 1/30/2015

DESIGNED - MAG
 DRAWN - DJW
 CHECKED - AJS
 DATE - 2/17/14

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

NOE ROAD CROSS SECTIONS

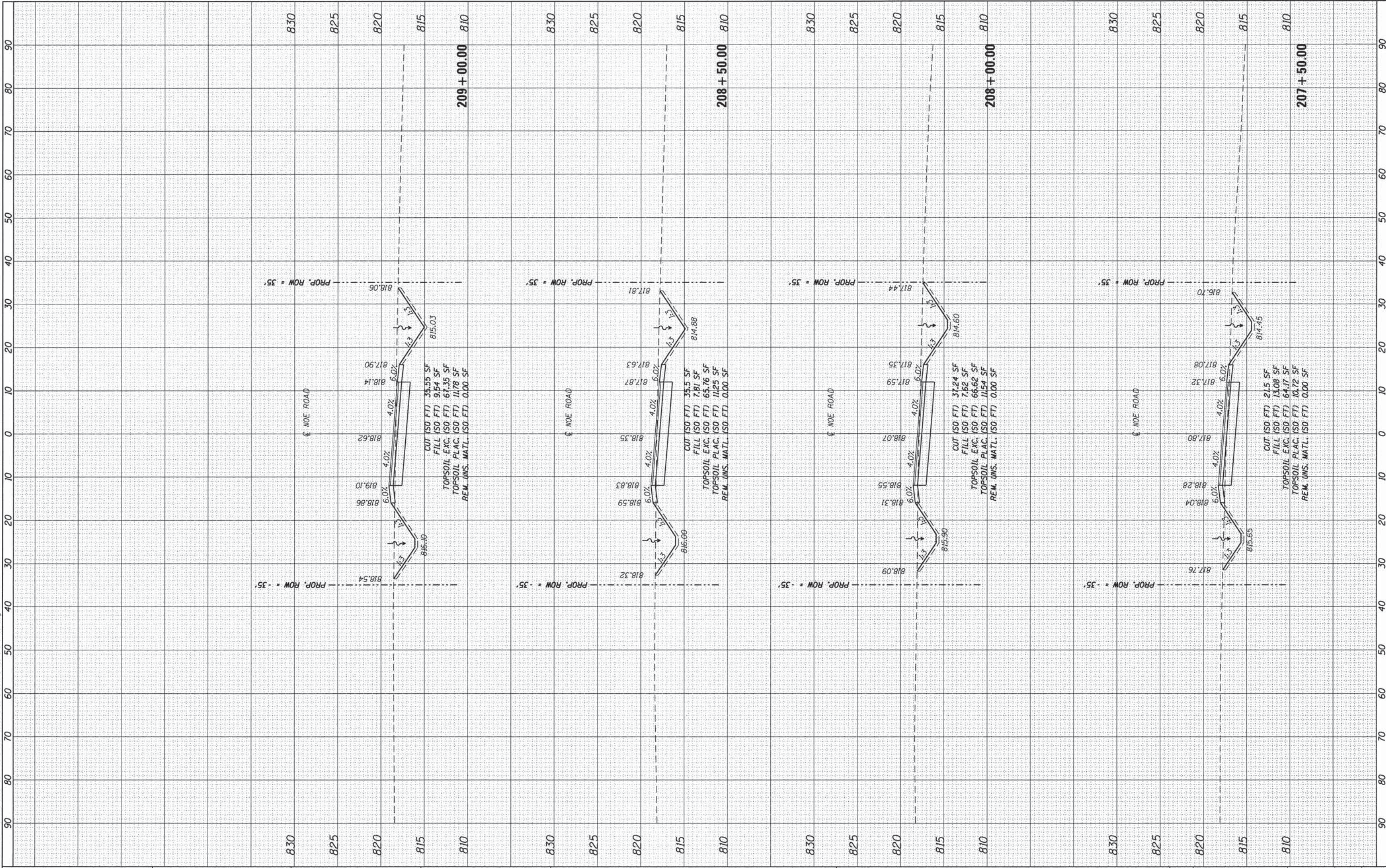
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32	08-00357-00-BR	MCHENRY	68	60
			CONTRACT NO.	63869
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	BY	DATE
SUBMITTED		
PLOTTED		
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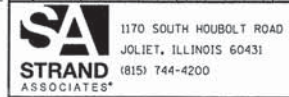
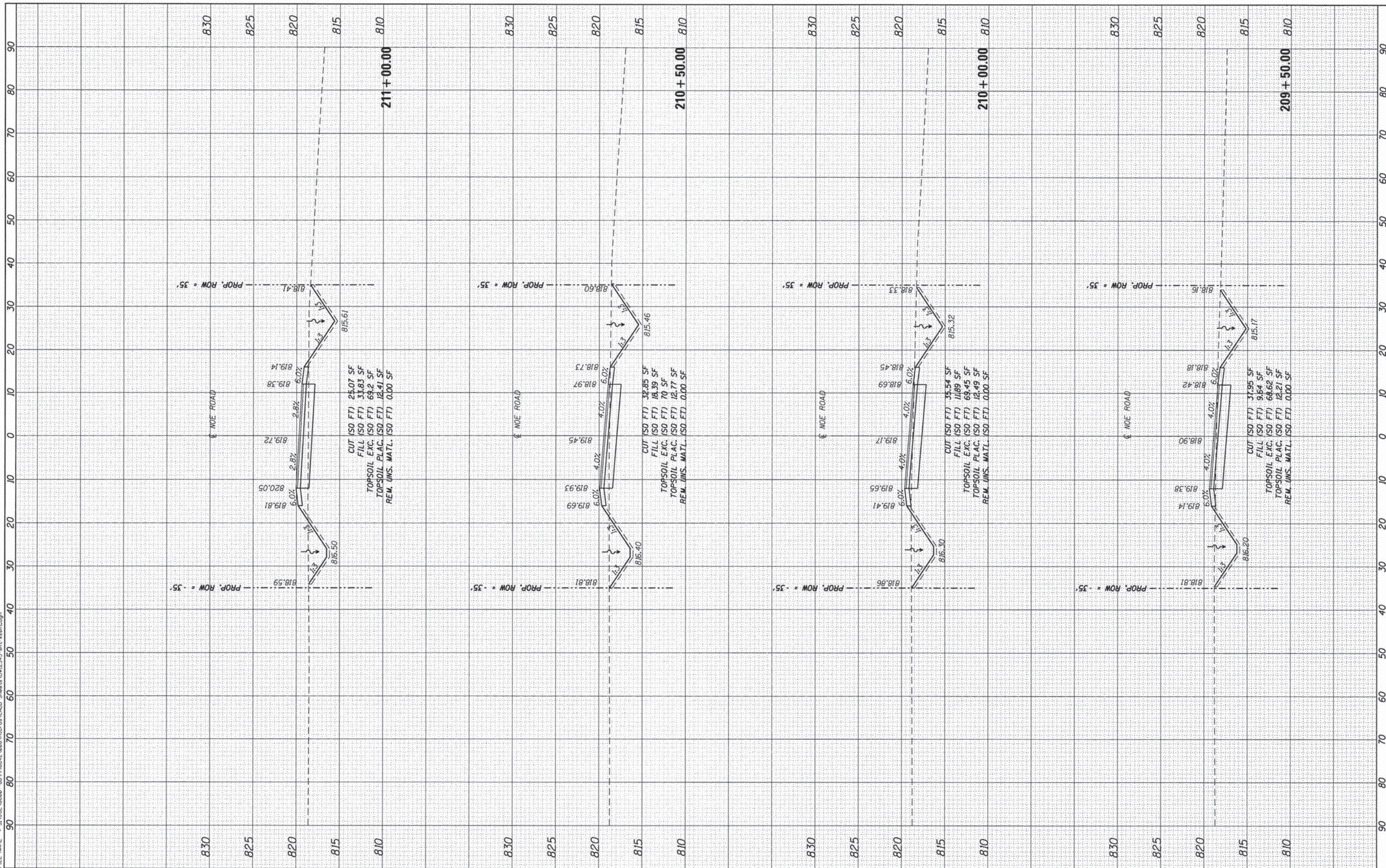
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

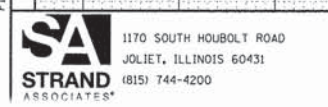
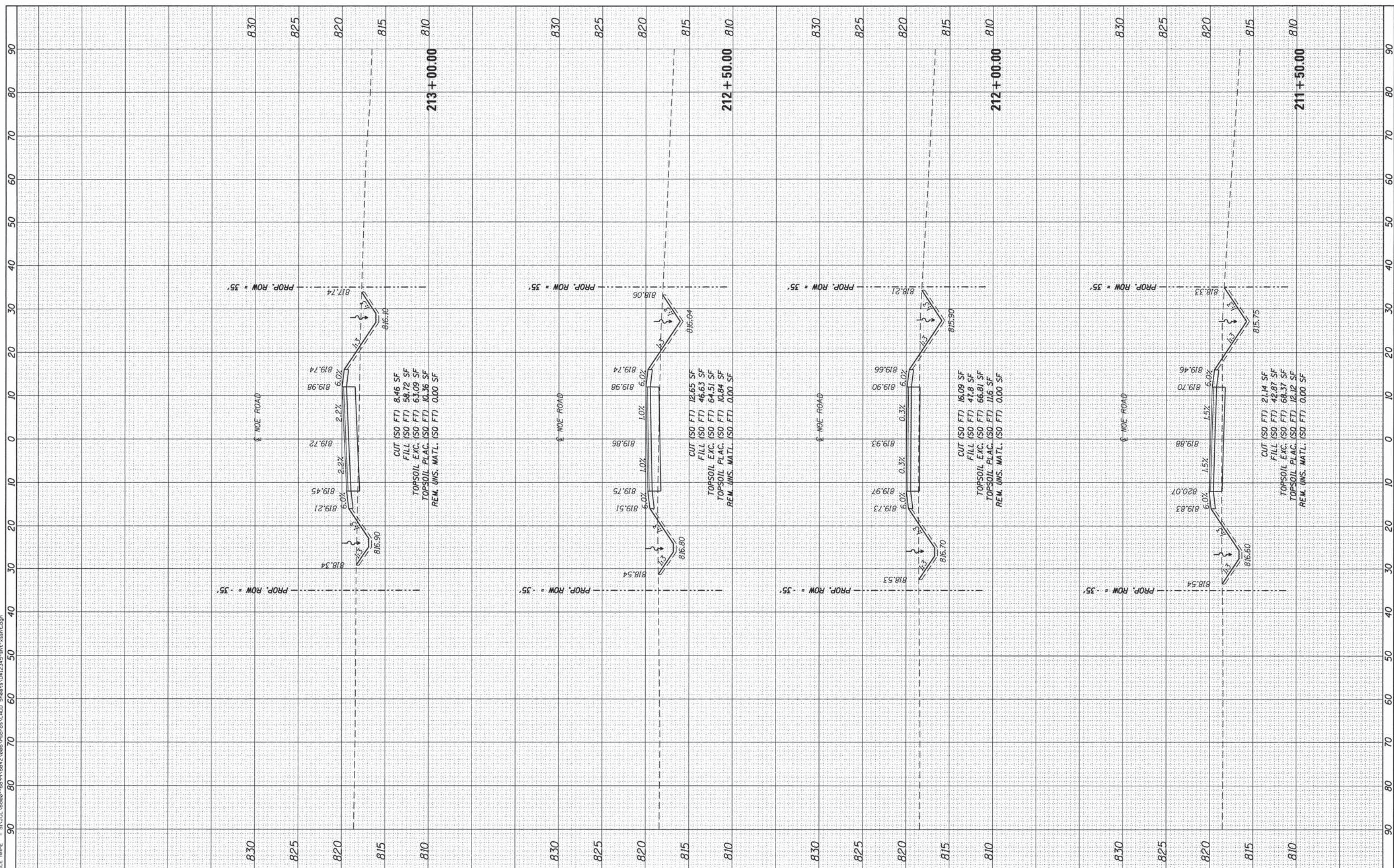
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TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	62
				CONTRACT NO. 63869
[ILLINOIS] FED. AID PROJECT				

FINAL SURVEY	SURVEYED	DATE
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NOE ROAD CROSS SECTIONS

SCALE: 10-H 5-V SHEET OF SHEETS STA. 211+50.00 TO STA. 213+00.00

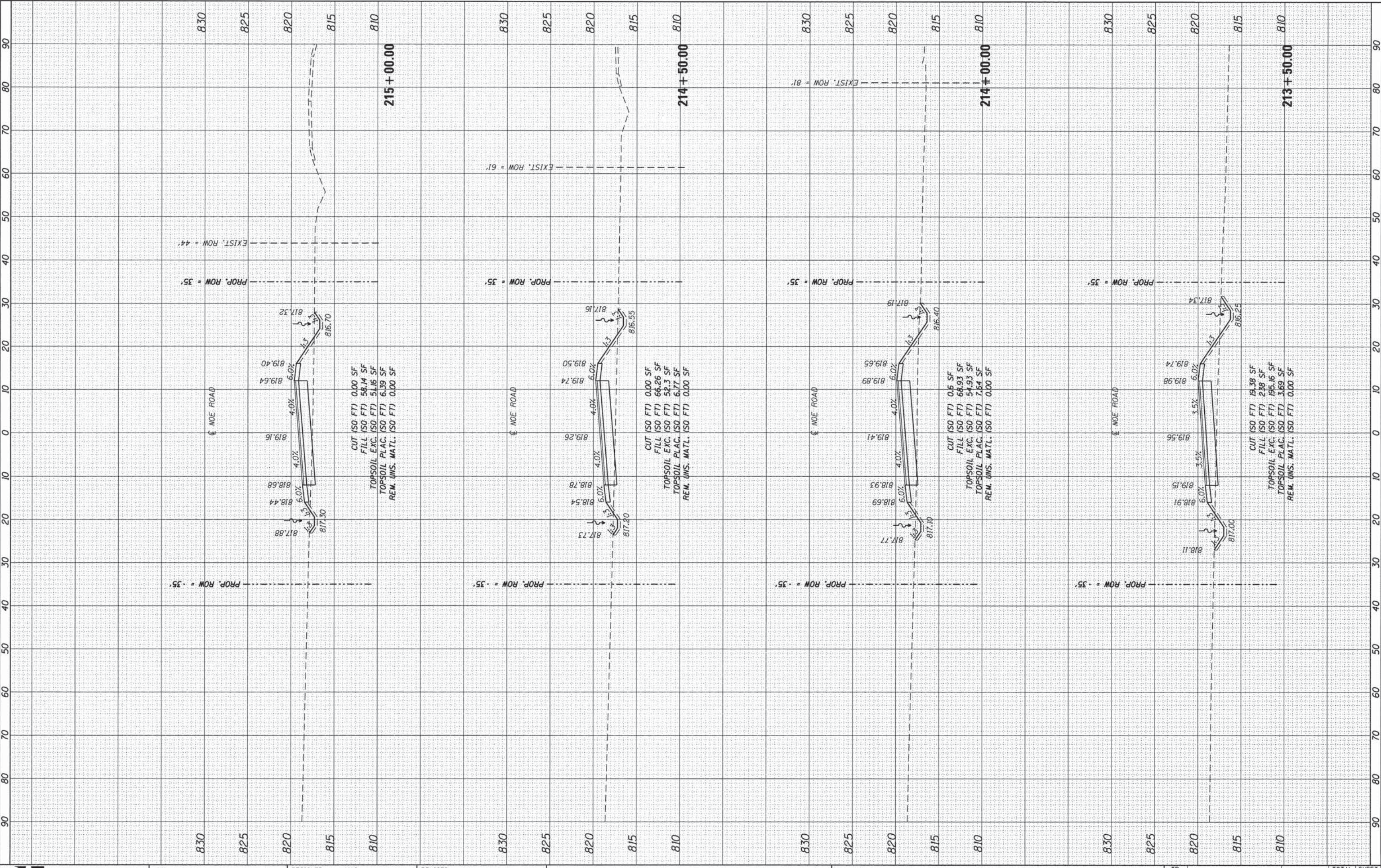
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32	08-00357-00-BR	MCHENRY	68	63
CONTRACT NO. 63869				

ILLINOIS FED. AID PROJECT

BY	DATE

BY	DATE

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SA STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = dennisw
MODEL NAME = Default
PLOT SCALE = 10,0000 ' / in.
PLOT DATE = 1/30/2015

DESIGNED - MAG
DRAWN - DJW
CHECKED - AJS
DATE - 2/17/14

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NOE ROAD CROSS SECTIONS

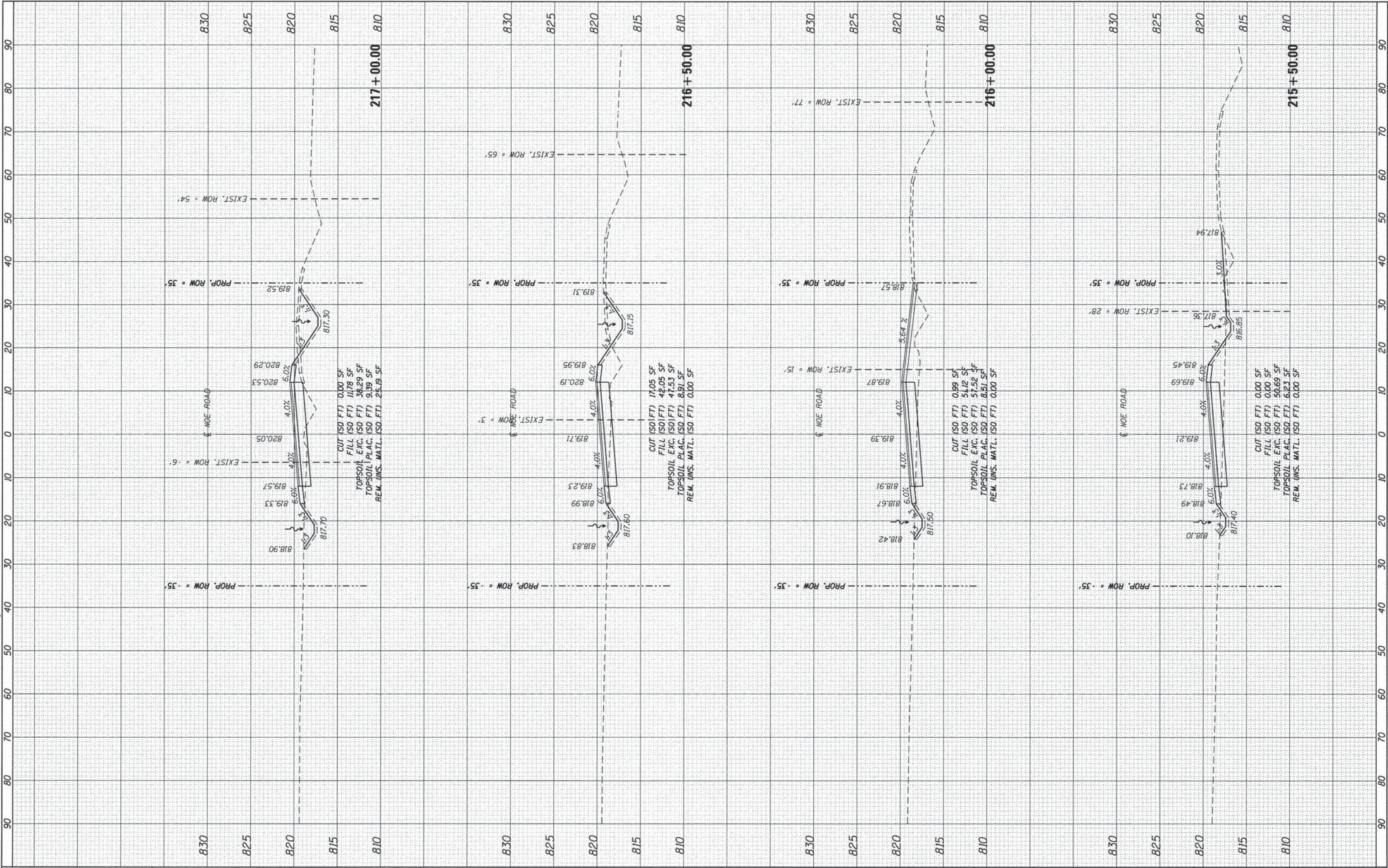
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TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	64
CONTRACT NO. 63869			ILLINOIS FED. AID PROJECT	

BY	DATE

BY	DATE

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

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MODEL NAME = Default
PLOT SCALE = 10.0000' / 1" =
PLOT DATE = 1/30/2015

DESIGNED - MAG
DRAWN - DJW
CHECKED - AJS
DATE - 2/17/14

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**STATE OF ILLINOIS
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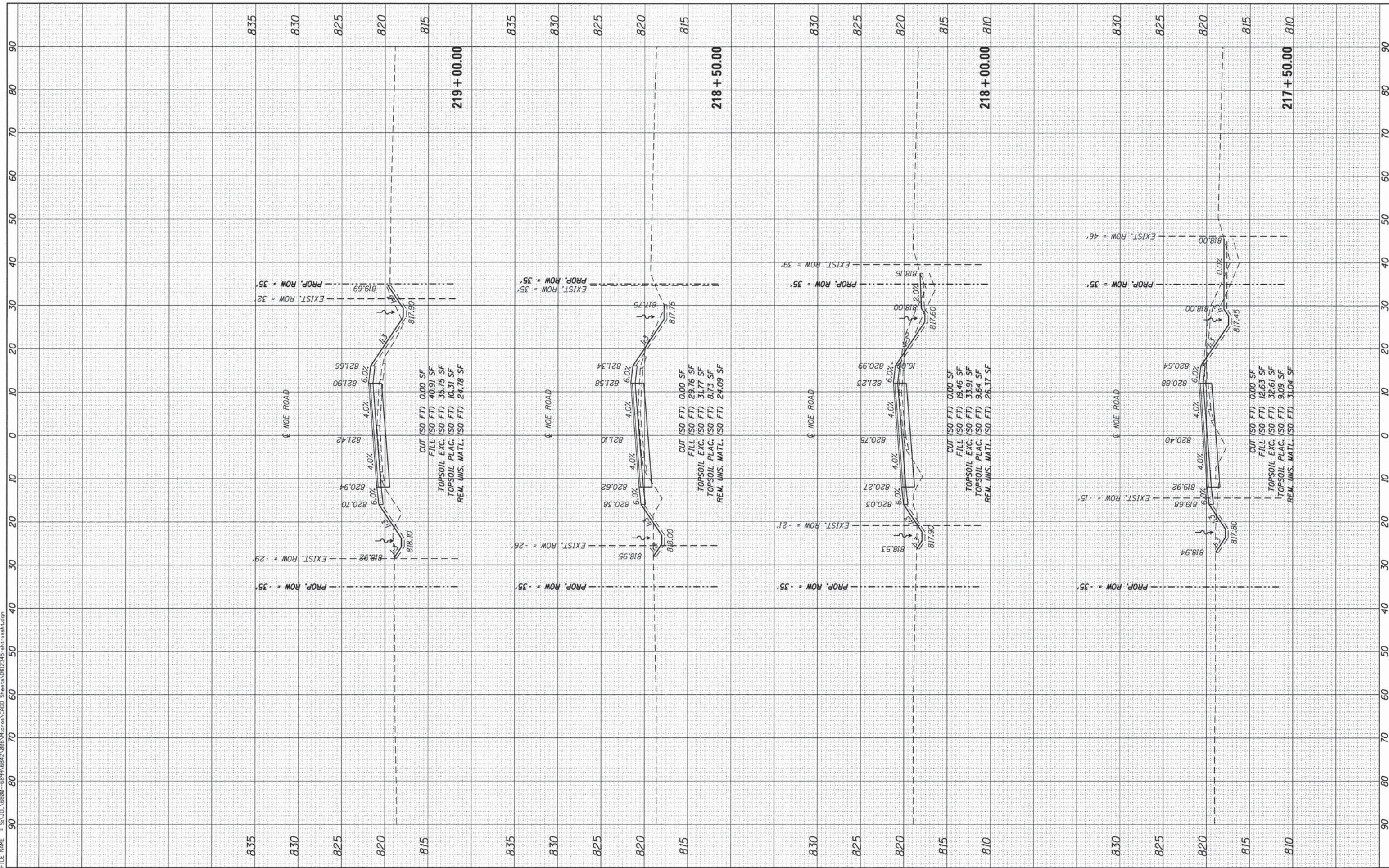
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TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	65
			CONTRACT NO. 63869	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	BY	DATE
SURVEYED		
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ORIGINAL SURVEY NO.	BY	DATE
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PLOTTED		
TEMPLATE		
AREAS CHECKED		
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 (815) 744-4200

USER NAME = dennisw	DESIGNED - MAG	REVISED -
MODEL NAME = Default	DRAWN - DJW	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - AJS	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

NOE ROAD CROSS SECTIONS

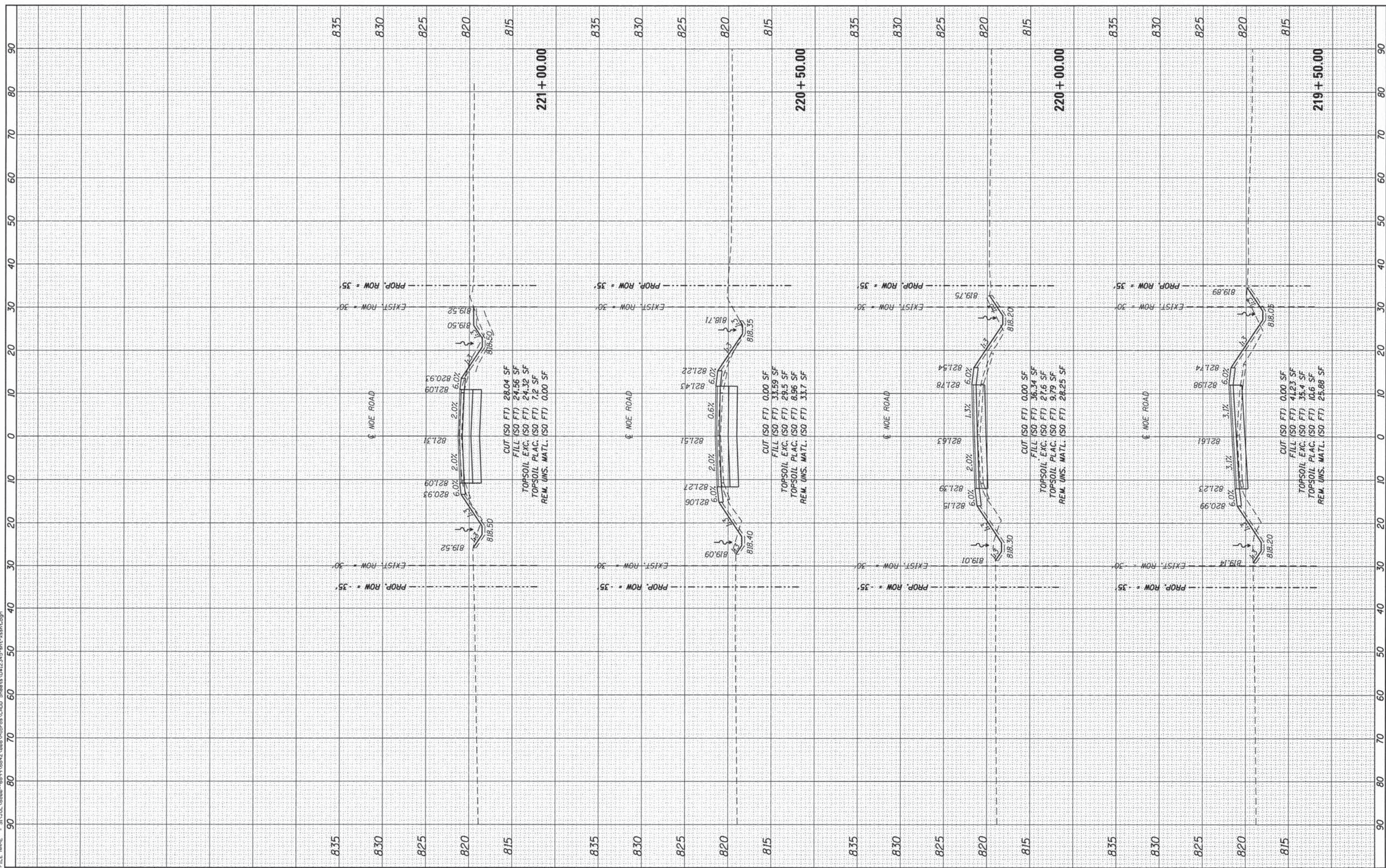
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TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32	08-00357-00-BR	MCHENRY	68	66
			CONTRACT NO. 63869	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
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ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE AREAS CHECKED		

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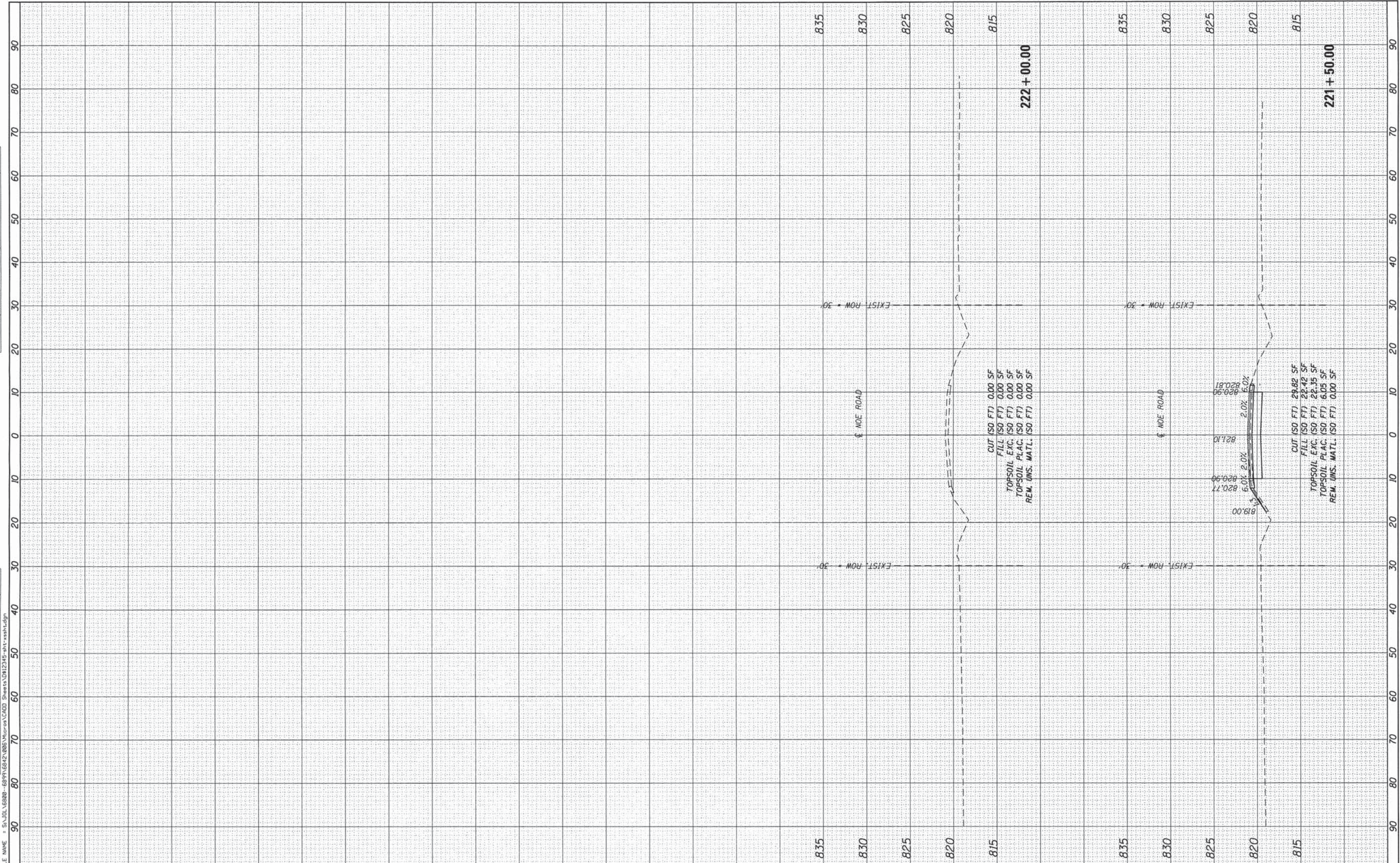
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 10-H 5-V	SHEET OF SHEETS	STA. 219+50.00 TO STA. 221+00.00
NOE ROAD CROSS SECTIONS		
TR 32	SECTION 08-00357-00-BR	COUNTY MCHENRY
		TOTAL SHEETS 68
		SHEET NO. 67
CONTRACT NO. 63869		
ILLINOIS FED. AID PROJECT		

FINAL SURVEY	DATE
NOTE BOOK	BY
NO.	
SURVEYED	
TEMPLATE	
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ORIGINAL SURVEY	DATE
NOTE BOOK	BY
NO.	
SURVEYED	
TEMPLATE	
AREAS CHECKED	



STRAND ASSOCIATES
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 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = dennisw
 MODEL NAME = Default
 PLOT SCALE = 10.0000' / 1" =
 PLOT DATE = 1/30/2015

DESIGNED - MAG
 DRAWN - DJW
 CHECKED - AJS
 DATE - 2/17/14

REVISED -
 REVISED -
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 REVISED -

STATE OF ILLINOIS
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SCALE: 10-H 5-V SHEET OF SHEETS STA. 221+50.00 TO STA. 222+00.00

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 63869				
ILLINOIS FED. AID PROJECT				

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