

STATE OF ILLINOIS 06-16-2017 LETTING ITEM 261
 DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	15-00007-00-RS	McHENRY	43	1
M-4003(896)		ILLINOIS	CONTRACT NO. 61D95	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

PROJECT LOCATED IN THE VILLAGE OF BULL VALLEY, DORR TOWNSHIP, AND NUNDA TOWNSHIP

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU ROUTE 3860 (BULL VALLEY ROAD)
 COUNTRY CLUB ROAD TO VALLEY HILL ROAD
 TR 151 (CRYSTAL SPRINGS ROAD)
 COUNTRY CLUB ROAD TO WALKUP ROAD
 RESURFACING

SECTION: 15-00007-00-RS
 PROJECT: M-4003(896)
 VILLAGE OF BULL VALLEY
 McHENRY COUNTY
 C-94-191-17



TRAFFIC DATA

BULL VALLEY ROAD
 POSTED SPEED LIMIT: 35-45 MPH
 2013 ADT = 2,750
 CRYSTAL SPRINGS ROAD
 POSTED SPEED LIMIT: 45 MPH
 2013 ADT = 2,900

FUNCTIONAL CLASSIFICATION

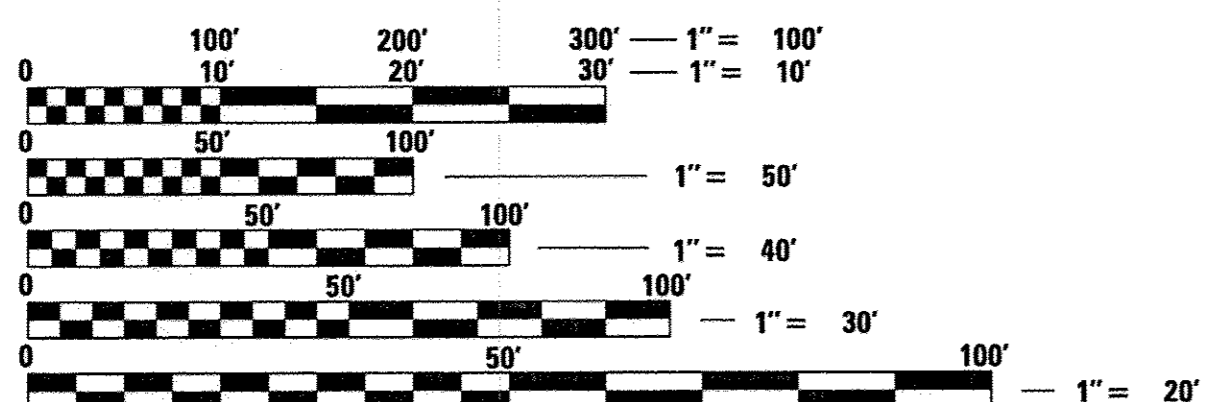
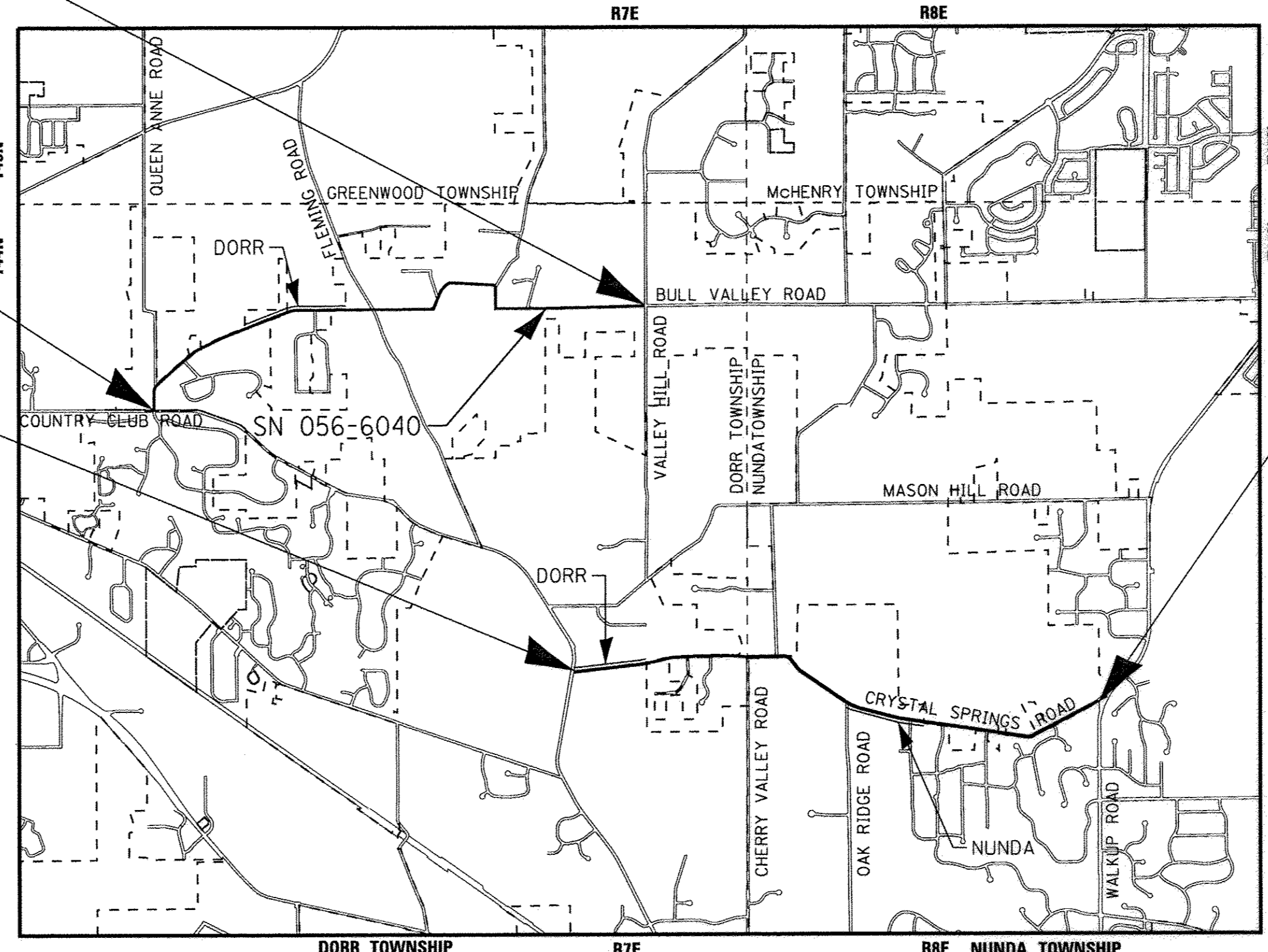
MAJOR COLLECTOR

FAU 3860 BULL VALLEY ROAD
 IMPROVEMENT ENDS
 STA 160+40

FAU 3860 BULL VALLEY ROAD
 IMPROVEMENT BEGINS
 STA 10+12

TR 151 CRYSTAL SPRINGS ROAD
 IMPROVEMENT BEGINS
 STA 250+12

TR 151 CRYSTAL SPRINGS ROAD
 IMPROVEMENT ENDS
 STA 397+05



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.

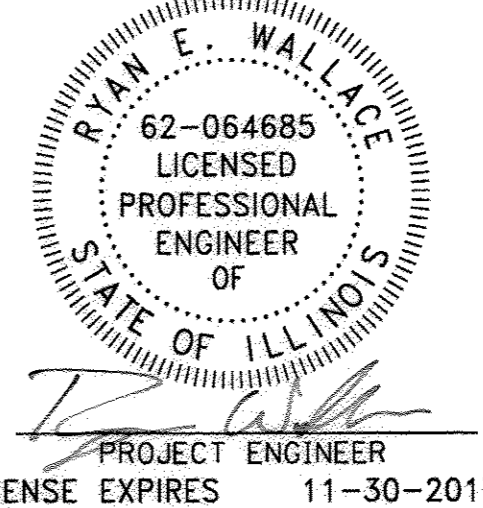
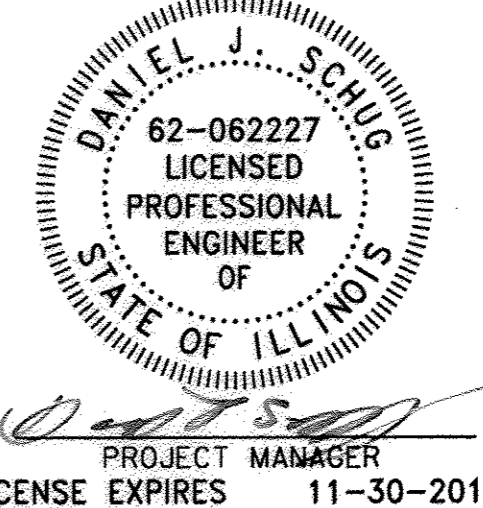
J.U.L.I.E. DESIGN STAGE REQUEST
 DIG. No. X0250344 & A2500372 (1/25/17)



CONTACT JULIE AT 811 OR 800-892-0123 WITH THE FOLLOWING:
 COUNTY = McHENRY
 CITY-TWNSHP. = BULL VALLEY - DORR AND NUNDA TOWNSHIPS
 SEC. & 1/4 SEC. NO. = S1,22,S3,S13 T44N R7E AND S17,S18 T44N R8E
 48 HOURS (2 working days) BEFORE YOU DIG

CONTRACT NO. 61D95

GROSS LENGTH = 29,722 FT. = 5.629 MILE
 NET LENGTH = 29,622 FT. = 5.610 MILE



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	<i>March 15, 2017</i> <i>Emily Bennett</i> VILLAGE OF BULL VALLEY REPRESENTATIVE
APPROVED	<i>March 22, 2017</i> <i>Tom J. [Signature]</i> DORR TOWNSHIP REPRESENTATIVE
APPROVED	<i>March 22, 2017</i> <i>Michael A. [Signature]</i> NUNDA TOWNSHIP REPRESENTATIVE
PASSED	<i>MARCH 28, 2017</i> <i>[Signature]</i> DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	<i>April 3, 2017</i> <i>[Signature]</i> REGIONAL ENGINEER

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B&W PROJECT NO.: 140550 DATE: 01-27-17

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 ...:\CADD\0140550_Plan.d1
 PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. 847-705-4406 SCHAUMBURG, IL
 11/4/2017
 3/13/2017
 5604AR

GENERAL NOTES

- 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" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", 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".
- THE CONTRACTOR SHALL NOTIFY THE VILLAGE ADMINISTRATOR (TELEPHONE NO. 815-459-4833) AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN VILLAGE UTILITY LOCATIONS AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER AND THE VILLAGE ADMINISTRATOR.
- ACCESS TO PRIVATE DRIVEWAYS SHALL BE PROVIDED AT ALL TIMES EXCEPT DURING ACTUAL CONSTRUCTION ADJACENT THERE TO. TEMPORARY RAMPS SHALL BE CONSTRUCTED AS NEEDED TO PROVIDE SUCH ACCESS, UTILIZING CRUSHED STONE OR CRUSHED GRAVEL AS TEMPORARY ACCESS.
- THE CONTRACTOR SHALL CONTACT THE LOCAL AGENCY MATERIAL INSPECTOR AT LEAST 48 HOURS PRIOR TO ANY CONCRETE OR HOT-MIX ASPHALT MATERIAL DELIVERIES.
- THE DAYS PAVING OPERATION SHOULD RESULT IN A SINGLE TRANSVERSE JOINT. ANY COLD LONGITUDINAL JOINTS WILL NOT BE ACCEPTED. PROVIDING A SINGLE TRANSVERSE JOINT SHALL BE ACCOMPLISHED BY PAVING ONE LANE OF SUFFICIENT LENGTH THAT WILL ALLOW FOR THE PAVING OF THE ADJACENT LANE IN THE SAME DAY.
- TRENCH BACKFILL FOR THIS PROJECT SHALL CONSIST OF CRUSHED MATERIAL AND SHALL BE COMPACTED BY METHOD 1 ONLY.
- DURING CONSTRUCTION, THE CONTRACTOR WILL BE PERMITTED TO LIMIT ON-STREET PARKING IN ORDER TO COMPLETE CONSTRUCTION OPERATIONS. THE CONTRACTOR WILL BE REQUIRED TO COORDINATE WITH THE MUNICIPALITY A MINIMUM OF 48 HOURS IN ADVANCE. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PLACE ADVANCE SIGNS TO ALERT RESIDENTS AND COMMUTERS OF THE CONSTRUCTION WORK. THE PLACEMENT OF THESE SIGNS SHALL TAKE PLACE 48 HOURS IN ADVANCE IN ORDER TO ALLOW SUFFICIENT TIME FOR RESIDENTS AND GENERAL PUBLIC TO REVISE THEIR PARKING PATTERNS.
- ON RURAL PAVEMENTS BEING RESURFACED THAT DO NOT HAVE A PAVED SHOULDER, MAILBOX TURNOUTS SHALL BE PROVIDED AT EACH EXISTING MAILBOX FOR THE FULL WIDTH OF THE SHOULDER UP TO 6 INCHES FROM THE FACE OF THE EXISTING MAILBOX. MAILBOX TURNOUTS SHALL BE AT LEAST 2 INCHES THICK.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS, AND SHALL NOT EXCEED 1 INCH WHERE THE SPEED LIMIT IS OVER 45 MPH. A MAXIMUM GRADE DIFFERENCE OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1:3 (V:H), AS DETERMINED BY THE ENGINEER.
- ALL EXISTING SIGNS TO BE REMOVED SHALL BE DELIVERED TO VILLAGE HALL (1904 S CHERRY VALLEY ROAD BULL VALLEY, IL). ALL DROP OFFS SHALL BE COORDINATED WITH THE ENGINEER AND VILLAGE PRIOR TO DELIVERY.
- THE TIME THAT THE AGGREGATE BASE COURSE IS EXPOSED SHALL BE LIMITED TO 24 HOURS.
- THE VILLAGE WILL NOT BE PROVIDING SOURCE SITE CERTIFICATION (IEPA FORM LPC-662) NOR UNCONTAMINATED SOIL CERTIFICATION FORM (IEPA LPC-663). ANY MATERIAL EXCAVATED AS A RESULT OF THE PROPOSED WORK, SHALL BE RE-USED WITHIN THE PROJECT LIMITS.
- DELINEATORS SHALL BE USED TO MARK THE LOCATION OF FLARED END SECTIONS.
- PRIOR TO ORDERING ANY MATERIALS, THE CONTRACTOR SHALL FIELD VERIFY PIPE CULVERT LENGTHS.

NATURAL GAS PIPELINE COMPANY OF AMERICA (NGPL) NOTES

- NGPL REQUIRES THAT A NGPL REPRESENTATIVE BE ON SITE THE ENTIRE TIME WORK IS BEING COMPLETED 25 FEET OR CLOSER TO THE PIPELINE.
- ANY DIGGING TWO FEET OR CLOSER TO THE NGPL PIPELINE MUST BE DONE BY SOFT TECHNIQUES, HAND OR HYDRO VACUUM.
- THE DEPTH OF COVER OVER THE NGPL PIPELINES SHALL NOT BE REDUCED NOR DRAINAGE ALTERED WITHOUT NGPL'S WRITTEN APPROVAL.
- NGPL WILL NOT ALLOW PIPELINES TO REMAIN EXPOSED OVERNIGHT WITHOUT CONSENT OF NGPL'S DESIGNATED REPRESENTATIVE. CONTRACTOR MAY BE REQUIRED TO BACKFILL PIPELINES AT THE END OF EACH DAY.
- HEAVY EQUIPMENT WILL NOT BE ALLOWED TO OPERATE DIRECTLY OVER NGPL PIPELINES OR IN NGPL ROW UNLESS WRITTEN APPROVAL IS OBTAINED FROM COMPANY.
- NOTIFICATION SHALL BE GIVEN TO NGPL AT LEAST 72 HOURS BEFORE START OF CONSTRUCTION. PLEASE CONTACT NGPL'S DAMAGE PREVENTION SUPERVISOR, MARK THORSON, AT (815) 272-9154.

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
442201-03	CLASS C AND D PATCHES
542401-02	METAL END SECTION FOR PIPE CULVERTS
602301-04	INLET - TYPE A
604036-03	GRATE TYPE 8
630001-11	STEEL PLATE BEAM GUARDRAIL
630101-10	STRONG POST GUARDRAIL ATTACHED TO CULVERT
630106-02	LONG-SPAN GUARDRAIL OVER CULVERT
630111	WEAK POST GUARDRAIL ATTACHED TO CULVERT
630301-07	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701336-06	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS ≥ 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-06	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
B.L.R. 24-2	MAILBOX TURNOUT FOR LOCAL ROADS

MAINTENANCE OF TRAFFIC NOTES

- THE CONTRACTOR SHALL SUBMIT A PREPLANNED SEQUENCE OF WORK AT THE PRECONSTRUCTION CONFERENCE FOR REVIEW AND APPROVAL. WORK SHALL BE SCHEDULED TO MINIMIZE INCONVENIENCE TO RESIDENTS AND BUSINESSES AND TO MAINTAIN A REASONABLE LEVEL OF CONSTRUCTION EFFICIENCY. THE ENGINEER RESERVES THE RIGHT TO RESTRICT WORK ON ANY ROADWAY SEGMENT IF CONSTRUCTION OPERATIONS ON A PREVIOUS SEGMENT ARE UNACCEPTABLE; TRAFFIC CONTROL OPERATIONS BECOME UNACCEPTABLE; OR AN EROSION CONTROL DEFICIENCY EXISTS.
- THE ENGINEER SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF ANY CHANGES TO CONSTRUCTION STAGING. ALL CHANGES TO CONSTRUCTION STAGING MUST BE APPROVED BY THE ENGINEER PRIOR TO IMPLEMENTATION.
- PROVIDE 72 HOUR ADVANCED NOTIFICATION TO THE ENGINEER, VILLAGE, POLICE AND FIRE PRIOR TO ROAD CLOSURE.
- ACCESS FOR BULL VALLEY ROAD AND CRYSTAL SPRINGS ROAD LOCAL TRAFFIC, MAIL SERVICE, GARBAGE SERVICE AND EMERGENCY VEHICLES SHALL BE MAINTAINED AT ALL TIMES.

INDEX OF SHEETS

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6	TYPICAL SECTIONS, EXISTING PAVEMENT THICKNESS TABLE AND HOT-MIX ASPHALT MIXTURE REQUIREMENTS
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BAXTER & WOODMAN Consulting Engineers	DESIGNED - MWP	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, HIGHWAY STANDARDS,
AND GENERAL NOTES**

SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	15-00007-00-RS	MCHEMRY	43	2
CONTRACT NO. 61095				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
				CRYSTAL SPRINGS ROAD	BULL VALLEY ROAD
				ROADWAY 0005 URBAN	ROADWAY 0005 URBAN
20400800	FURNISHED EXCAVATION	CU YD	640	354	286
20800150	TRENCH BACKFILL	CU YD	155	105	50
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	583	383	200
21400100	GRADING AND SHAPING DITCHES	FOOT	1,510	1,125	385
25000100	SEEDING, CLASS 1	ACRE	0.8	0.5	0.3
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	71	46	25
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	71	46	25
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	71	46	25
25100630	EROSION CONTROL BLANKET	SQ YD	3,445	2,269	1,176
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	71	46	25
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	40,025	20,025	20,000
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	30	15	15
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	2,908	1,638	1,270
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	2,539	1,396	1,143
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	2,568	865	1,703

* INDICATES SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
				CRYSTAL SPRINGS ROAD	BULL VALLEY ROAD
				ROADWAY 0005 URBAN	ROADWAY 0005 URBAN
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	8,488	4,261	4,227
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	17,080	12,280	4,800
44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	20,080	6,940	13,140
44000173	HOT-MIX ASPHALT SURFACE REMOVAL, 6"	SQ YD	1,040	1,040	-
44201692	CLASS D PATCHES, TYPE II, 4 INCH	SQ YD	816	-	816
44201694	CLASS D PATCHES, TYPE III, 4 INCH	SQ YD	816	-	816
44201696	CLASS D PATCHES, TYPE IV, 4 INCH	SQ YD	3,789	-	3,789
44201705	CLASS D PATCHES, TYPE II, 5 INCH	SQ YD	663	657	6
44201709	CLASS D PATCHES, TYPE III, 5 INCH	SQ YD	663	657	6
44201711	CLASS D PATCHES, TYPE IV, 5 INCH	SQ YD	3,078	3,052	26
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	431	133	298
44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	479	133	346
44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	3,032	1,657	1,375
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	166	91	75
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	444	283	161

* INDICATES SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE

STA. TO STA.

F.A.U. RTE. 3860	SECTION 15-00007-00-RS	COUNTY MCHENRY	TOTAL SHEETS 43	SHEET NO. 3
CONTRACT NO. 61D95				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
				CRYSTAL SPRINGS ROAD	BULL VALLEY ROAD
				ROADWAY 0005 URBAN	ROADWAY 0005 URBAN
63500105	DELINEATORS	EACH	38	22	16
67100100	MOBILIZATION	LSUM	1	0.5	0.5
70300100	SHORT TERM PAVEMENT MARKING	FOOT	17,774	8,953.0	8,821.0
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	5,926	2,984.8	2,940.7
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	236,824	119,280.0	117,544.0
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	76	-	76.0
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	630	360	270
72000100	SIGN PANEL - TYPE 1	SQ FT	1,532	837	695
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	131	73	58
72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	3	1	2
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	-	1
72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	3	1	2
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	16	8	8
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	2,857	1,599	1,258
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	118,412	59,640	58,772

* INDICATES SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
				CRYSTAL SPRINGS ROAD	BULL VALLEY ROAD
				ROADWAY 0005 URBAN	ROADWAY 0005 URBAN
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	38	-	38
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	315	180	135
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	32	16	16
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	104	-	104
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	936	390	546
* Z0032700	KEYWAY REPAIR	FOOT	342	342	-
X1200050	BOX CULVERT REMOVAL	FOOT	45	45	-
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	610	307	303
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	123	64	59
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	0.5	0.5
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	80,292	40,487	39,805
X7810300	RECESSED REFLECTIVE PAVEMENT MARKER	EACH	834	417	417

* INDICATES SPECIALTY ITEM

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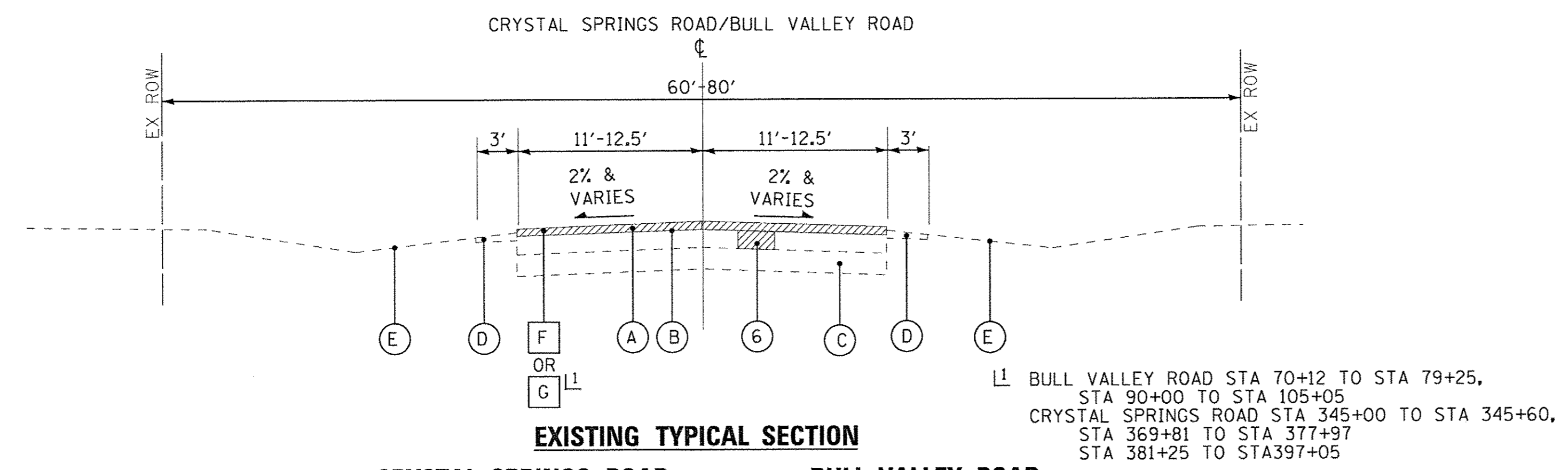
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE

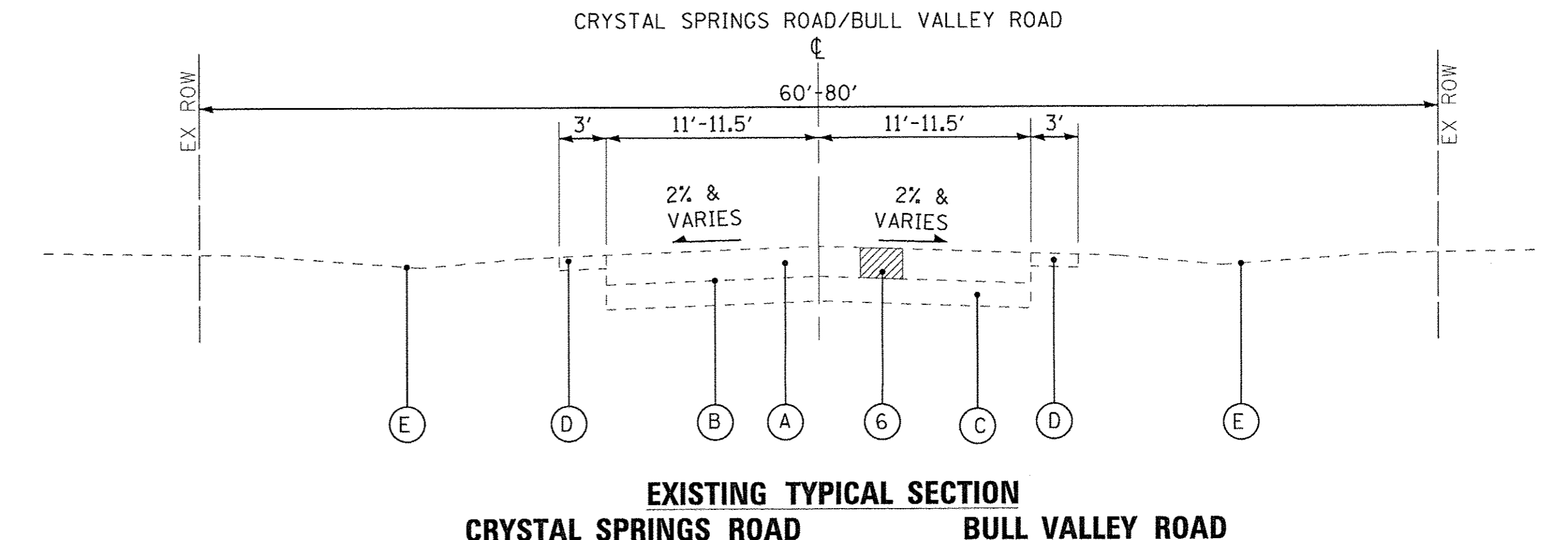
STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	15-00007-00-RS	McHENRY	43	5
CONTRACT NO. 61D95				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



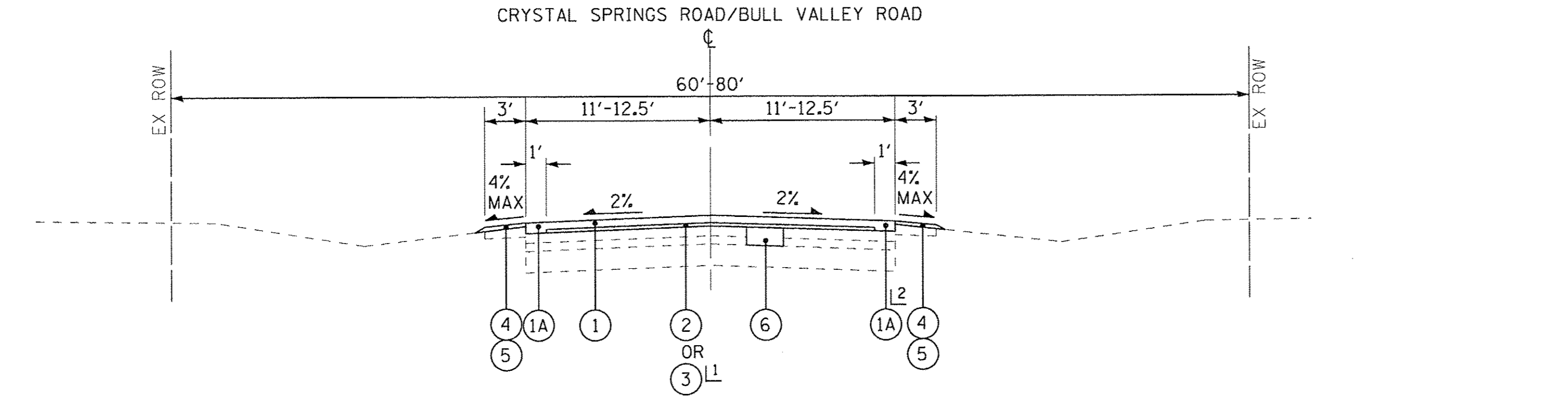
EXISTING TYPICAL SECTION

CRYSTAL SPRINGS ROAD	BULL VALLEY ROAD
STA 297+00 TO STA 305+00	STA 10+12 TO STA 21+00
STA 328+00 TO STA 336+00	STA 70+12 TO STA 79+25
STA 345+00 TO STA 377+97	STA 90+00 TO STA 105+05
STA 381+25 TO STA 397+05	STA 113+95 TO STA 140+98
	STA 141+55 TO STA 143+70



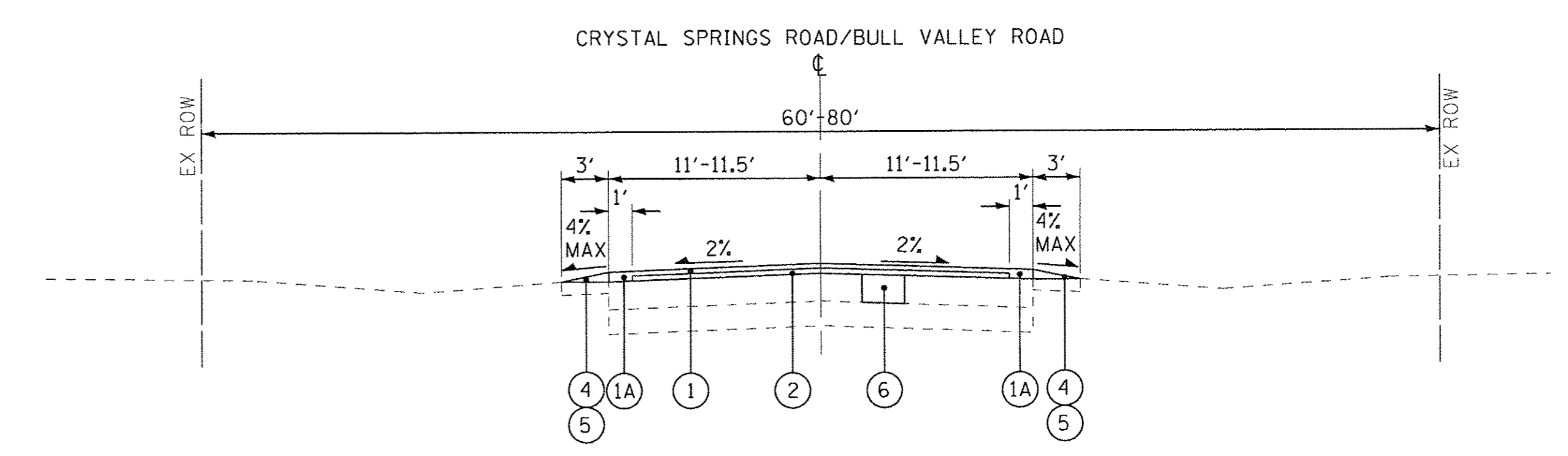
EXISTING TYPICAL SECTION

CRYSTAL SPRINGS ROAD	BULL VALLEY ROAD
STA 250+12 TO STA 297+00	STA 21+00 TO STA 70+12
STA 305+00 TO STA 328+00	STA 80+25 TO STA 90+00
STA 336+00 TO STA 345+00	STA 105+05 TO STA 113+95
STA 377+97 TO STA 381+25	STA 143+64 TO STA 160+40



PROPOSED TYPICAL SECTION

CRYSTAL SPRINGS ROAD	BULL VALLEY ROAD
STA 297+00 TO STA 305+00	STA 10+12 TO STA 21+00
STA 328+00 TO STA 336+00	STA 70+12 TO STA 79+25
STA 345+00 TO STA 377+97	STA 90+00 TO STA 105+05
STA 381+25 TO STA 397+05	STA 113+95 TO STA 140+98
	STA 141+55 TO STA 143+70



PROPOSED TYPICAL SECTION

CRYSTAL SPRINGS ROAD	BULL VALLEY ROAD
STA 250+12 TO STA 297+00	STA 21+00 TO STA 70+12
STA 305+00 TO STA 328+00	STA 80+25 TO STA 90+00
STA 336+00 TO STA 345+00	STA 105+05 TO STA 113+95
STA 377+97 TO STA 381+25	STA 143+64 TO STA 160+40

L1 BULL VALLEY ROAD STA 70+12 TO STA 79+25, STA 90+00 TO STA 105+05
CRYSTAL SPRINGS ROAD STA 345+00 TO STA 345+60, STA 369+81 TO STA 377+97, STA 381+25 TO STA 397+05
L2 WHEN HOT-MIX ASPHALT BINDER COURSE IS USED IN STATIONS FROM NOTE 1, IT SHALL EXTEND TO THE EDGE OF PAVEMENT.

EXISTING PAVEMENT THICKNESS TABLE

STREET	EXISTING HMA PAVEMENT	EXISTING AGG BASE	CLASS D PATCHES
CRYSTAL SPRINGS ROAD STA 251+00 TO STA 305+00	4.25" - 6.5" (5.25" AVG) WITH FABRIC	6.5" - 18.25" (12.75" AVG)	6" (STA 250+11 TO STA 297+00) 4" (STA 297+00 TO STA 305+00)
CRYSTAL SPRINGS ROAD STA 305+00 TO STA 347+85	5.75" - 11.75" (8.5" AVG)	5.75" - 9.75" (7.75" AVG)	9" (STA 305+00 TO STA 328+00) 6" (STA 328+00 TO STA 336+00) 9" (STA 336+00 TO STA 345+00) 5" (STA 345+00 TO STA 347+85)
CRYSTAL SPRINGS ROAD STA 347+85 TO STA 397+05	6" - 8.25" (7.5" AVG) WITH FABRIC	4.75" - 8.25" (6.75" AVG)	4" (STA 347+85 TO STA 367+60) 6" (STA 367+60 TO STA 369+81) 4" (STA 369+81 TO STA 377+97) 9" (STA 377+97 TO STA 381+25) 4" (STA 381+25 TO STA 397+05)
BULL VALLEY ROAD STA 10+12 TO STA 21+00	6.5" - 7.75" (7" AVG)	11.25" - 13" (12" AVG)	6"
BULL VALLEY ROAD STA 21+00 TO STA 56+75	7" - 10.75" (8.5" AVG) WITH FABRIC	5" - 14.5" (10.5" AVG)	9"
BULL VALLEY ROAD STA 56+75 TO STA 70+12	11.25" - 11.5" (11.5" AVG) WITH FABRIC	4.75" - 5.5" (5.25" AVG)	12"
BULL VALLEY ROAD STA 70+12 TO STA 113+95	7.5" - 10" (8.25" AVG) WITH FABRIC	3" - 14.25" (7" AVG)	5" (STA 70+12 TO STA 105+05) 9" (STA 105+05 TO STA 113+95)
BULL VALLEY ROAD STA 113+95 TO STA 143+64	5" - 7" (6.5" AVG) WITH FABRIC	3" - 16.5" (12.25" AVG)	5" (STA 113+95 TO STA 139+05) 6" (STA 139+05 TO STA 143+64)
BULL VALLEY ROAD STA 143+64 TO STA 160+40	10.25" - 12.75" (11.5" AVG) WITH FABRIC	10.25" - 12.75" (11.5" AVG)	12"

NOTE: PAVEMENT CORES AVAILABLE UPON REQUEST

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

CONTRACTOR WILL MILL FIRST

MIXTURE TYPE	AIR VOIDS @ Ndes
RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 1-3/4"	4% @ 50 GYR
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50; 3/4"	3.5% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 2-1/4"	4% @ 50 GYR
PATCHING	
CLASS D PATCHES (HMA BINDER IL 19mm); 4" (2 lifts), 5" (2 lifts), 6" (2 lifts), 9" (3 lifts), 12" (4 lifts)	4% @ 70 GYR
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 2"	4% @ 50 GYR

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112LB/SY-IN.
THE 'AC TYPE' FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.

EXISTING TYPICAL SECTION

- (A) EXISTING HOT-MIX ASPHALT PAVEMENT (SEE EXISTING PAVEMENT THICKNESS TABLE)
- (B) EXISTING AREA REFLECTIVE CRACK CONTROL (SEE EXISTING PAVEMENT THICKNESS TABLE)
- (C) EXISTING AGGREGATE BASE (SEE EXISTING PAVEMENT THICKNESS TABLE)
- (D) EXISTING AGGREGATE SHOULDER, 4"
- (E) EXISTING GROUND SURFACE
- (F) HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"
- (G) HOT-MIX ASPHALT SURFACE REMOVAL, 4"
- (H) ITEM TO BE REMOVED

PROPOSED TYPICAL SECTION

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1.75"
- (1A) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2.5"
- (2) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 0.75"
- (3) HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50 - 2.25"
- (4) GRADING AND SHAPING SHOULDERS
- (5) AGGREGATE WEDGE SHOULDER, TYPE B
- (6) CLASS D PATCHES (SEE EXISTING PAVEMENT THICKNESS TABLE)

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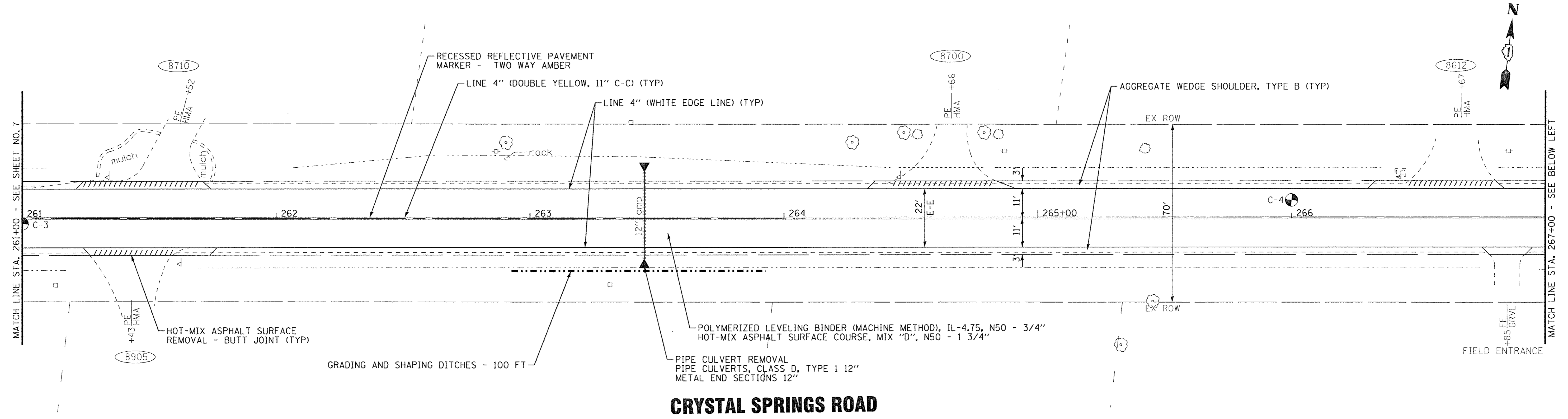
TYPICAL SECTIONS, EXISTING PAVEMENT THICKNESS TABLE AND HOT-MIX ASPHALT MIXTURE REQUIREMENTS

SCALE: NON20'

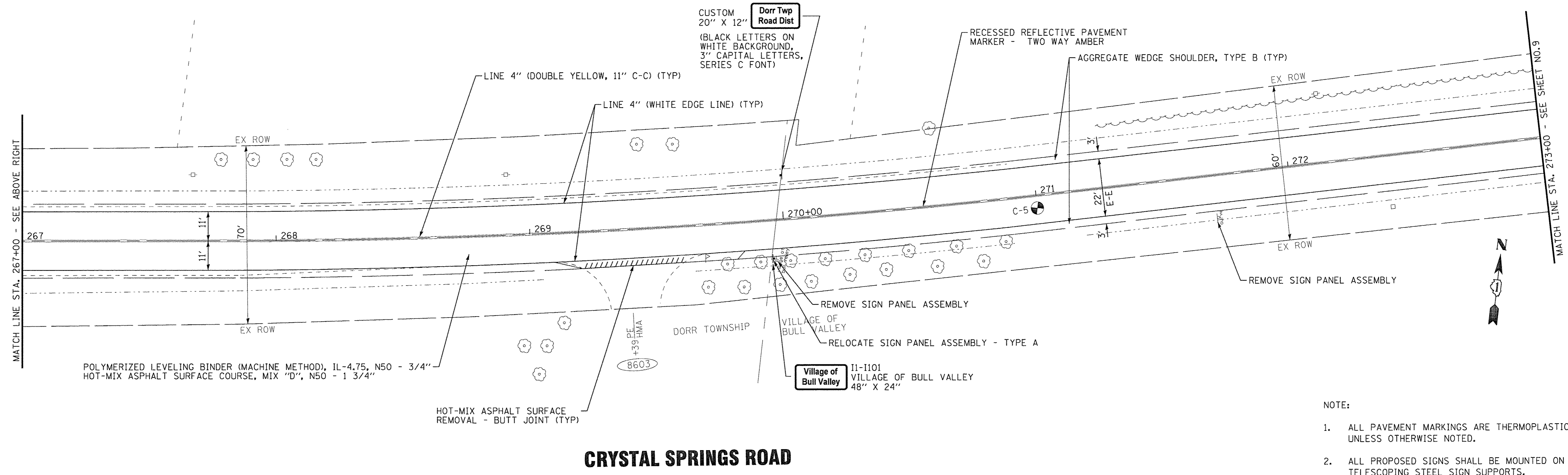
STA. TO STA.

F.A.U. RTE. 3860	SECTION 15-00007-00-RS	COUNTY McHENRY	TOTAL SHEETS 43	SHEET NO. 6
CONTRACT NO. 61D95				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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CRYSTAL SPRINGS ROAD



CRYSTAL SPRINGS ROAD

- NOTE:
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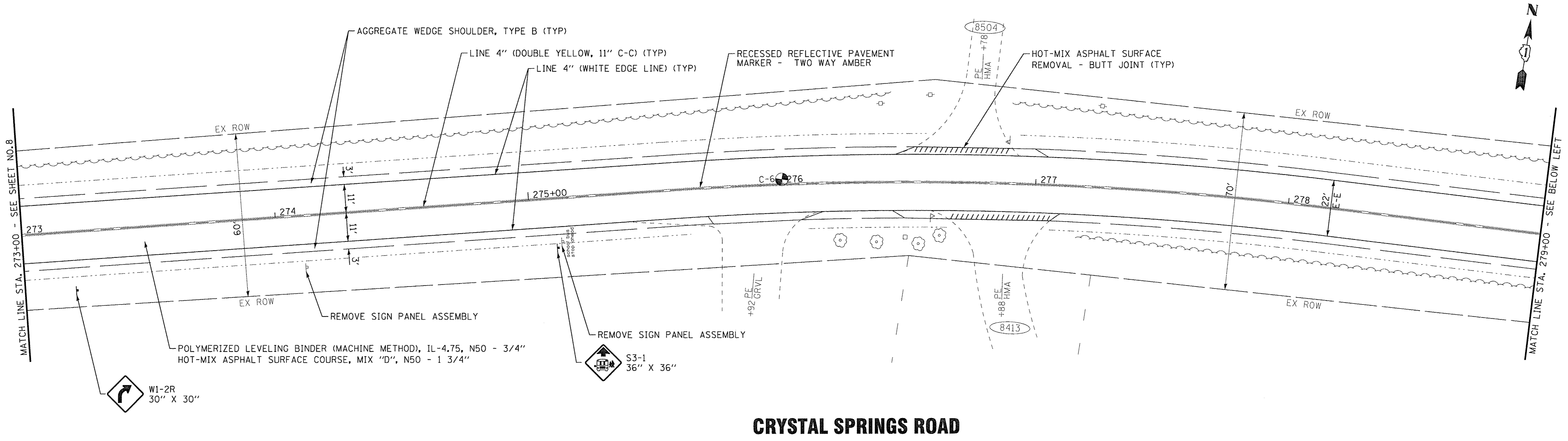
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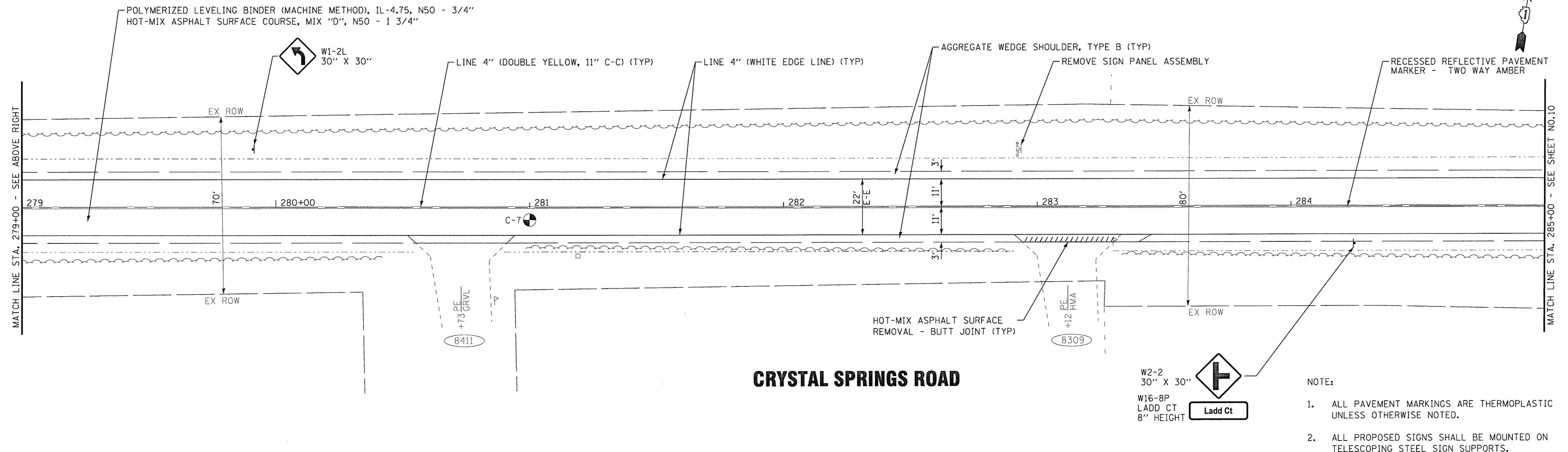
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PLAN - CRYSTAL SPRINGS ROAD
 SCALE: 1"=20'
 STA. 261+00 TO STA. 273+00

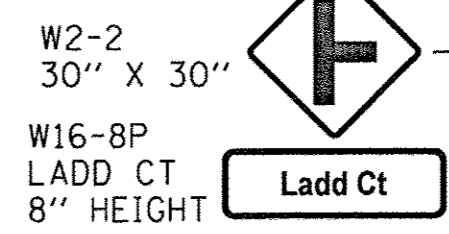
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151	15-00007-00-RS	McHENRY	43	8
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D95	



CRYSTAL SPRINGS ROAD



CRYSTAL SPRINGS ROAD



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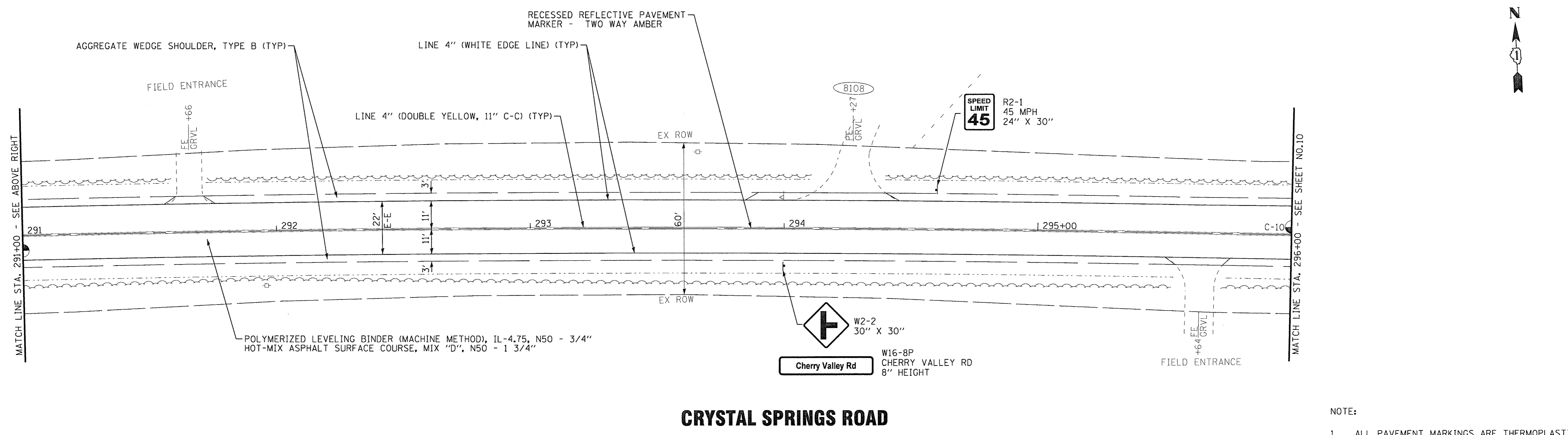
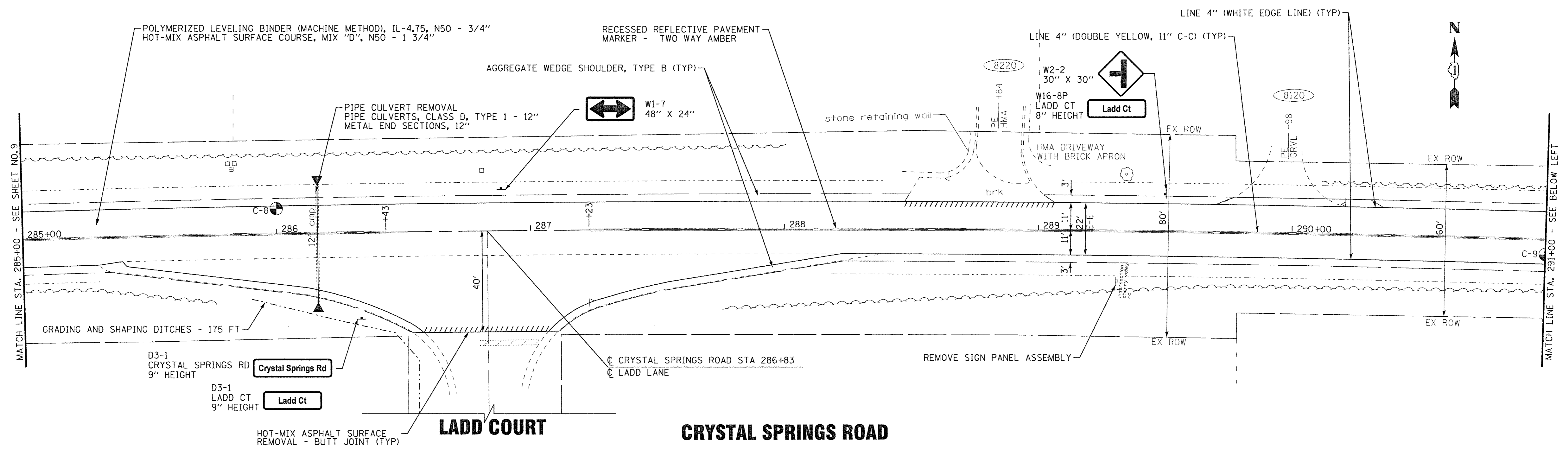
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DEPARTMENT OF TRANSPORTATION**

PLAN - CRYSTAL SPRINGS ROAD

SCALE: 1"=20' STA. 273+00 TO STA. 285+00

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151	15-00007-00-RS	McHENRY	43	9
			CONTRACT NO. 61D95	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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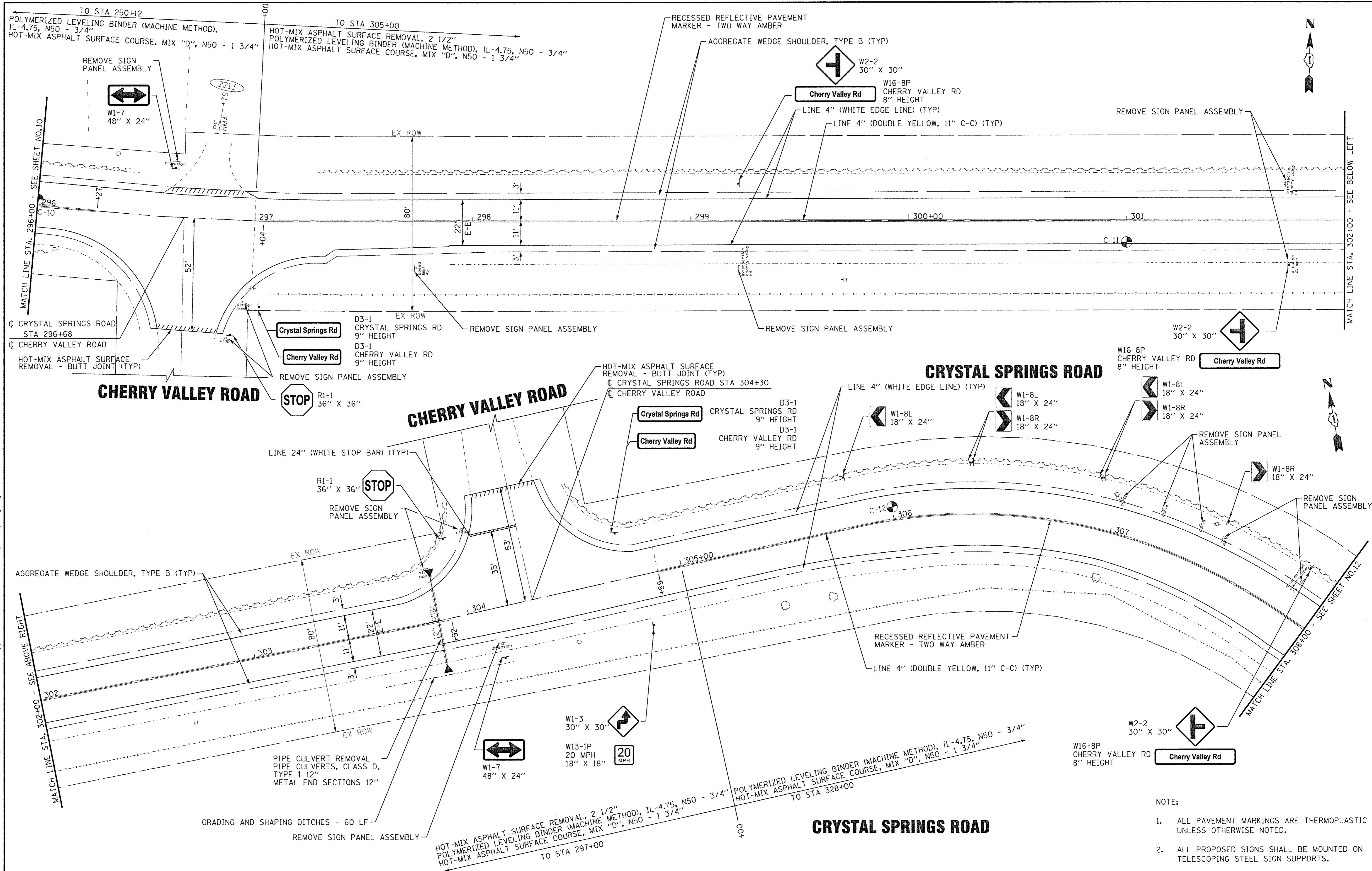
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PLAN - CRYSTAL SPRINGS ROAD
 SCALE: 1"=20'
 STA. 285+00 TO STA. 296+00

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151	15-00007-00-RS	McHENRY	43	10
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D95	

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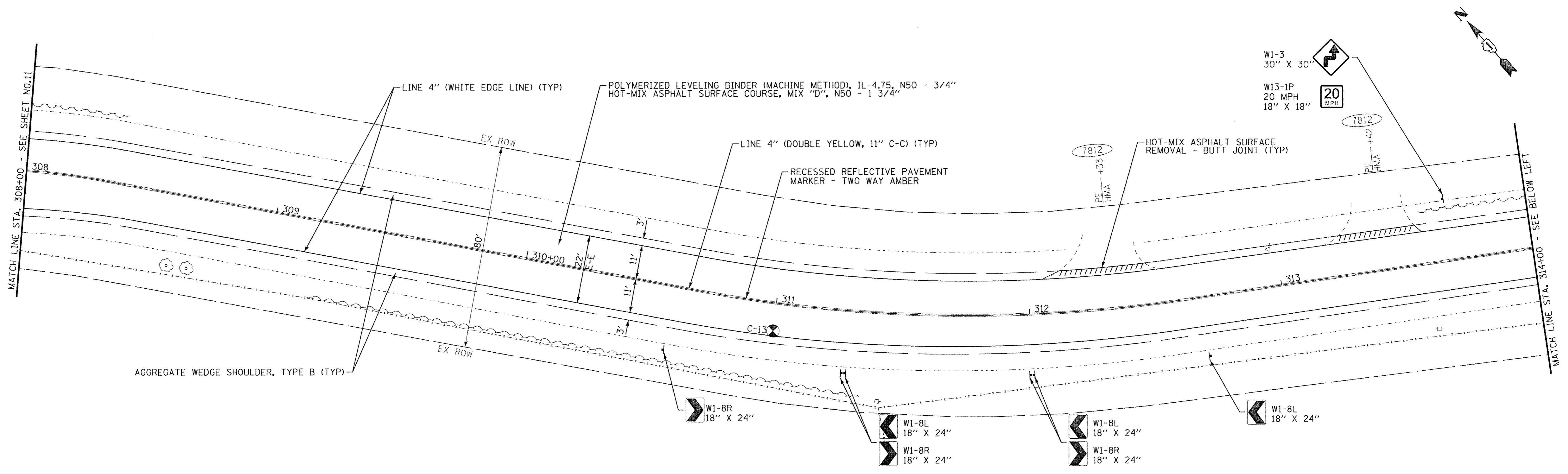
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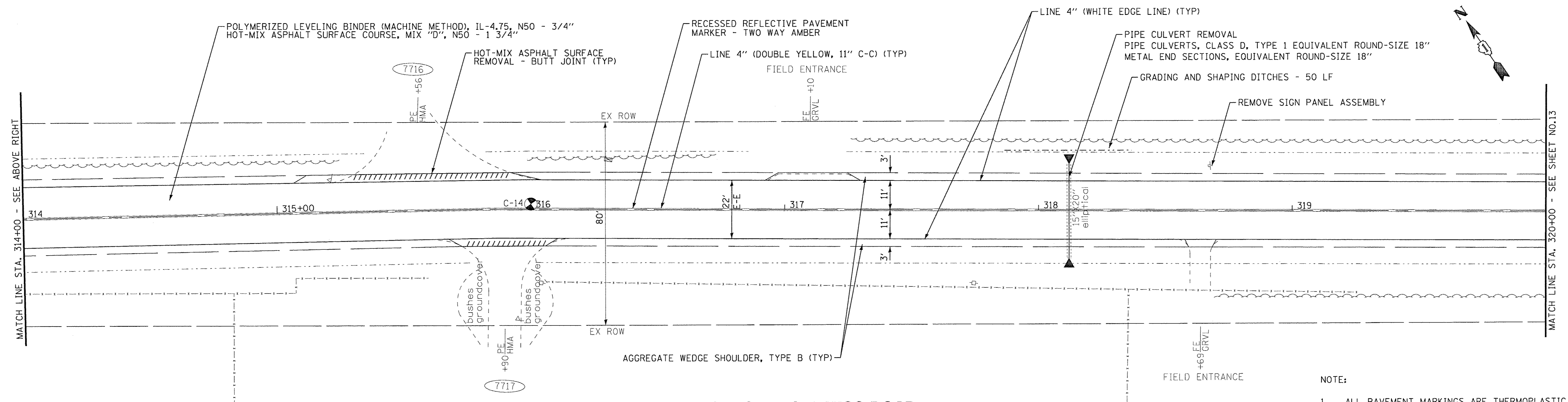
PLAN - CRYSTAL SPRINGS ROAD
 SCALE: 1"=20'
 STA. 296+00 TO STA. 308+00

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151	15-00007-00-RS	McHENRY	43	11
CONTRACT NO. 61D95				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

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CRYSTAL SPRINGS ROAD



CRYSTAL SPRINGS ROAD

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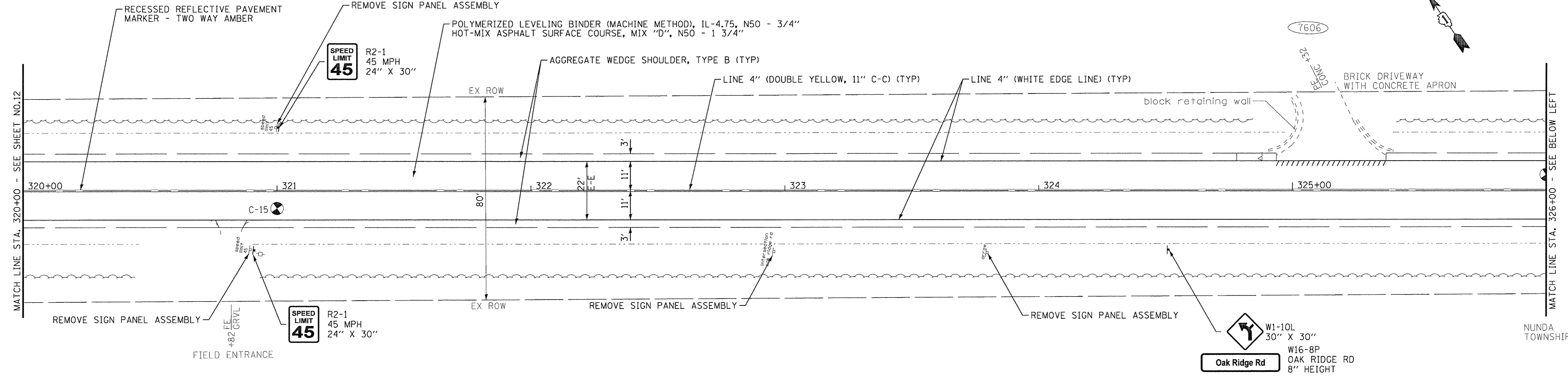
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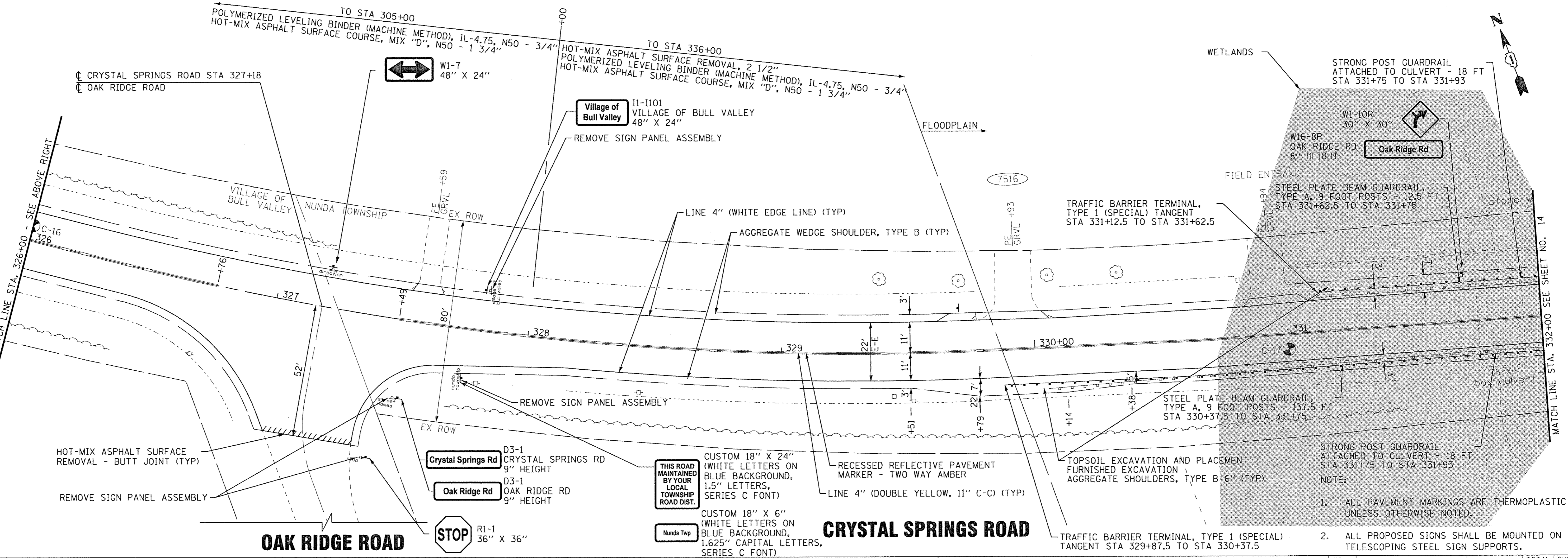
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PLAN - CRYSTAL SPRINGS ROAD
 SCALE: 1"=20'
 STA. 308+00 TO STA. 320+00

TR. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151	15-00007-00-RS	McHENRY	43	12
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 61D95	



CRYSTAL SPRINGS ROAD



OAK RIDGE ROAD

CRYSTAL SPRINGS ROAD

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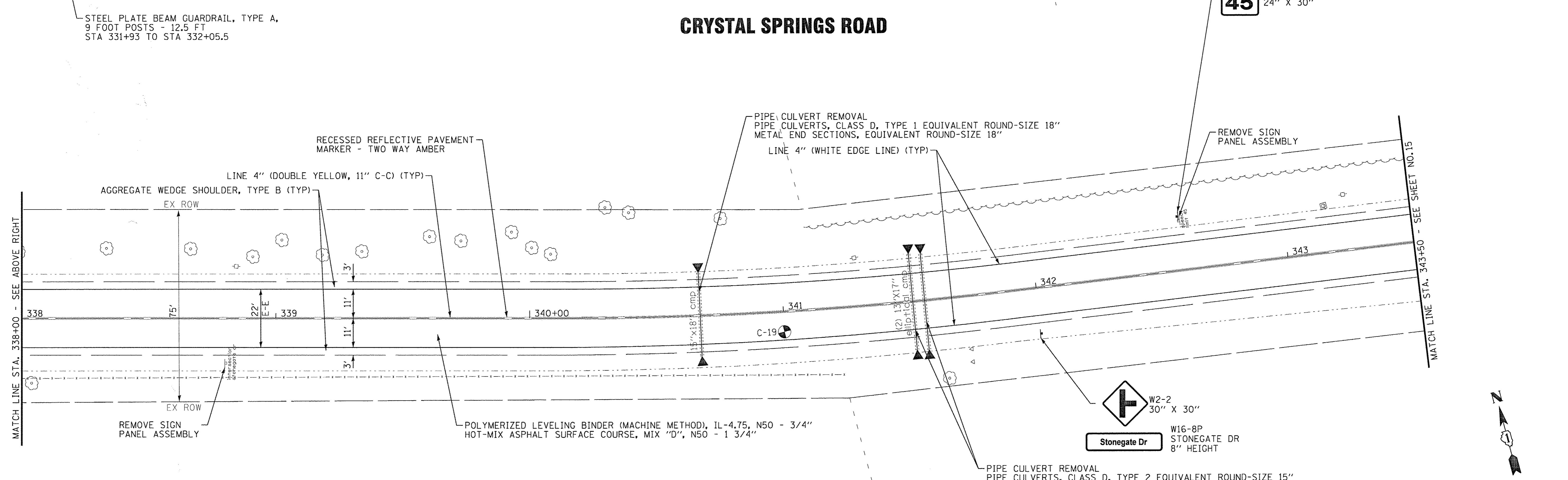
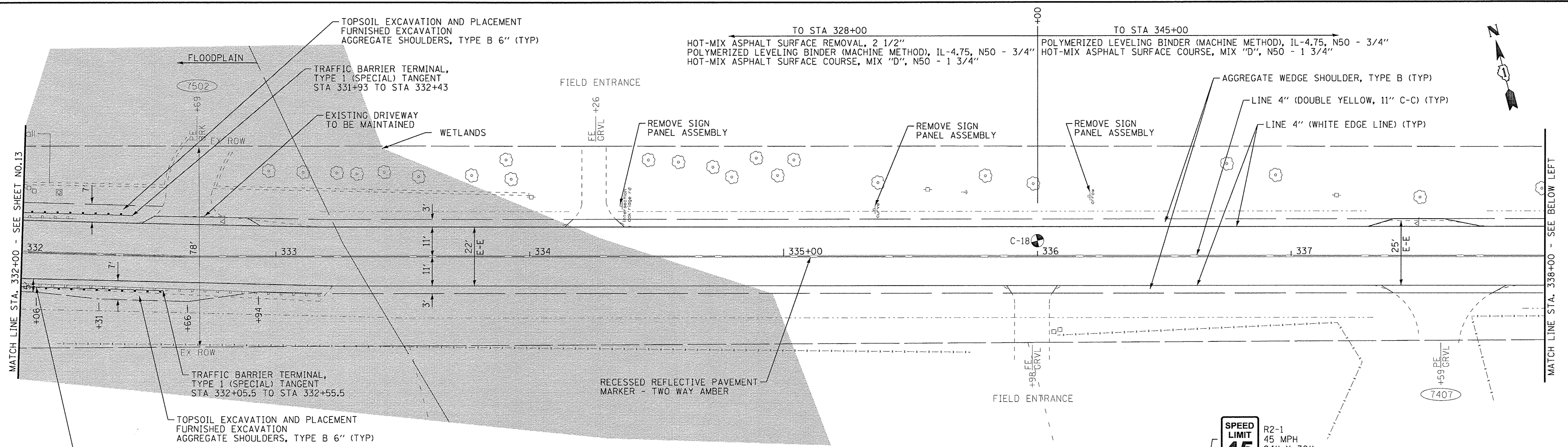
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DEPARTMENT OF TRANSPORTATION

PLAN - CRYSTAL SPRINGS ROAD

SCALE: 1"=20'
STA. 320+00 TO STA. 332+00

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151	15-00007-00-RS	McHENRY	43	13
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D95	

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CRYSTAL SPRINGS ROAD

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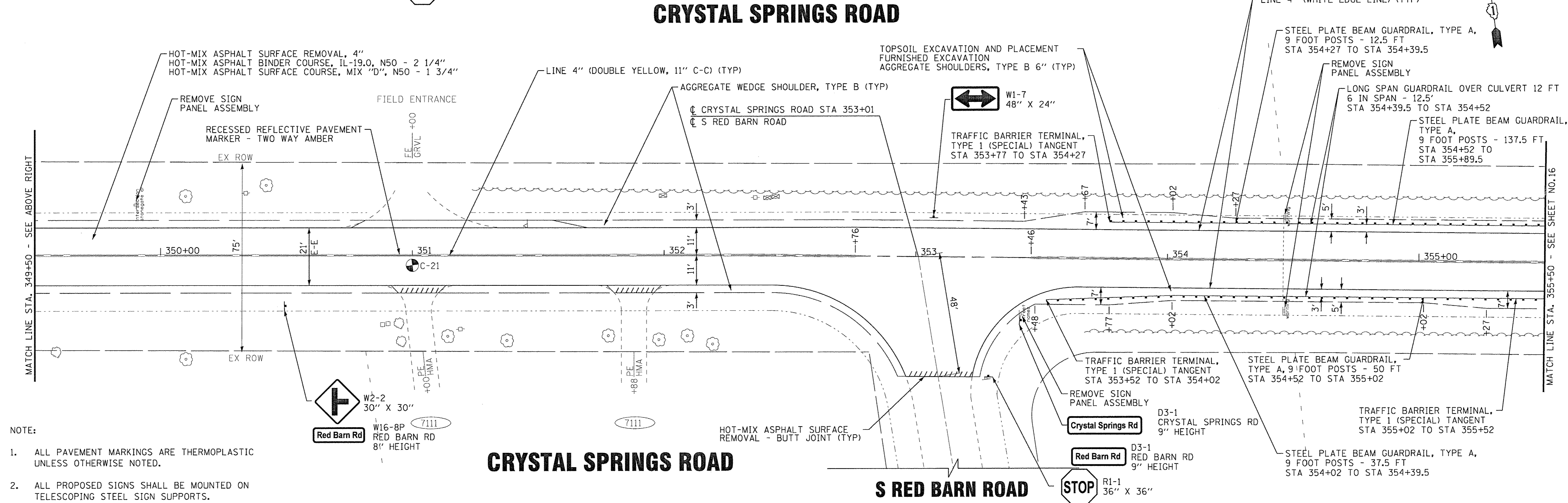
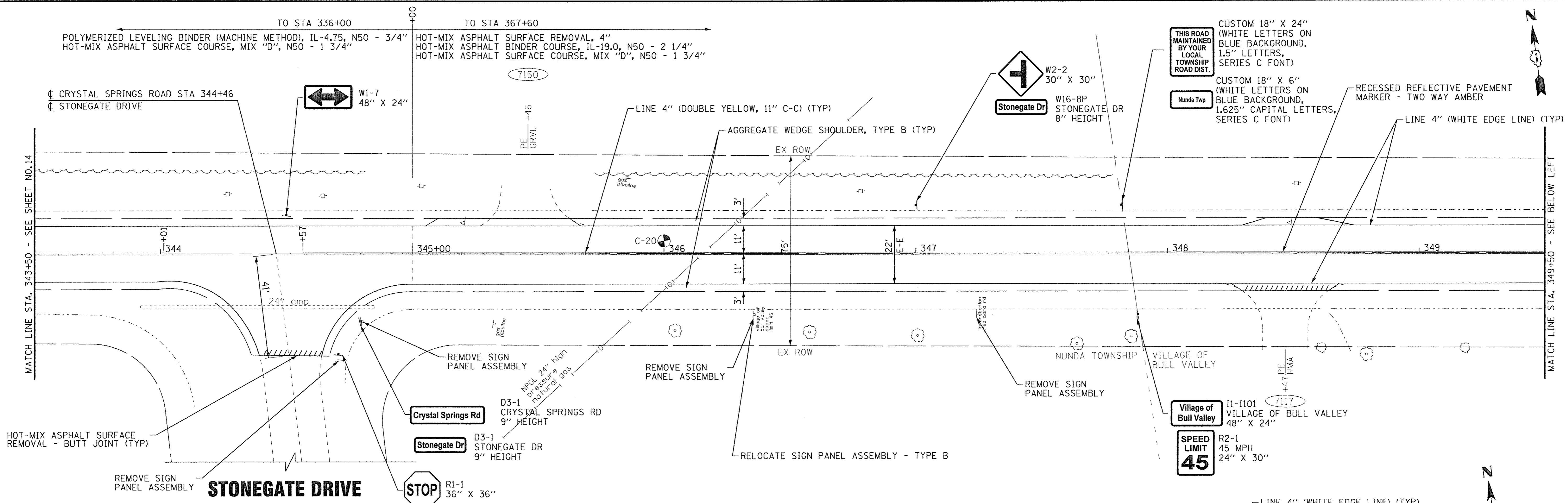
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STATE OF ILLINOIS
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PLAN - CRYSTAL SPRINGS ROAD
 SCALE: 1"=20'
 STA. 332+00 TO STA. 343+50

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151	15-00007-00-RS	McHENRY	43	14
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D95	

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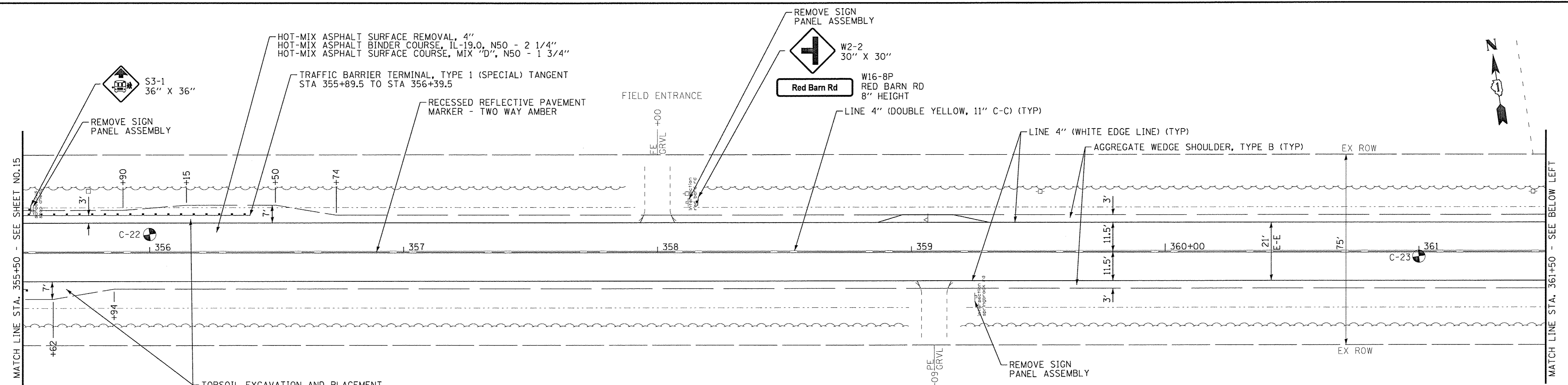
PLAN - CRYSTAL SPRINGS ROAD

SCALE: 1"=20'

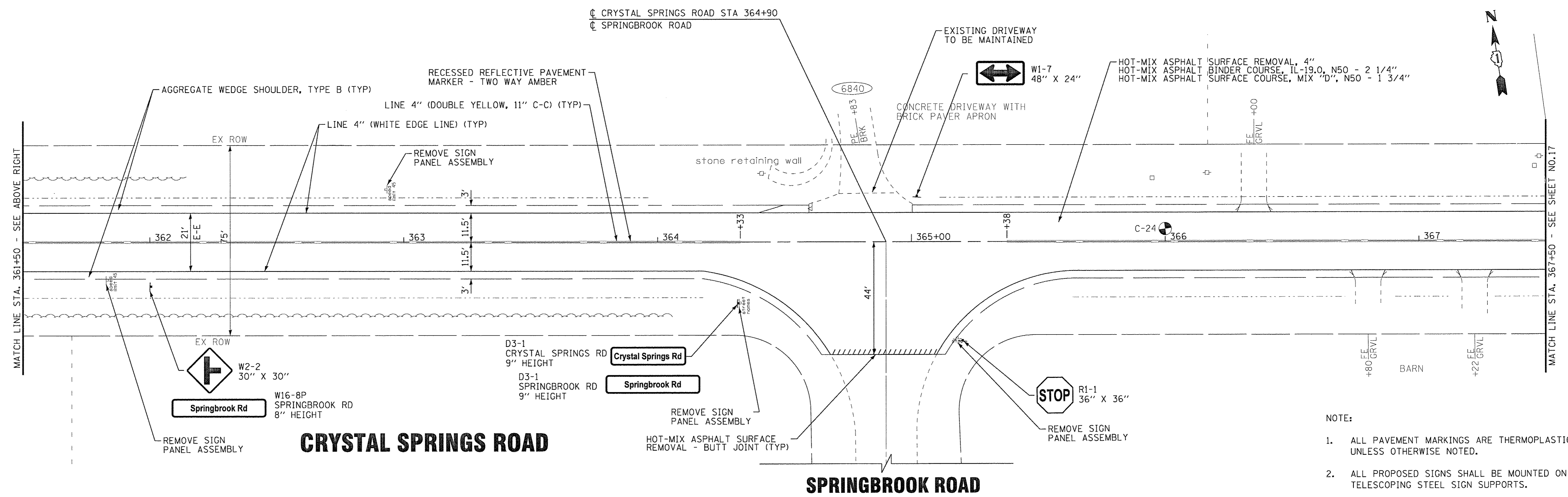
STA. 343+50 TO STA. 355+50

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151	15-00007-00-RS	McHENRY	43	15
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CRYSTAL SPRINGS ROAD



CRYSTAL SPRINGS ROAD

SPRINGBROOK ROAD

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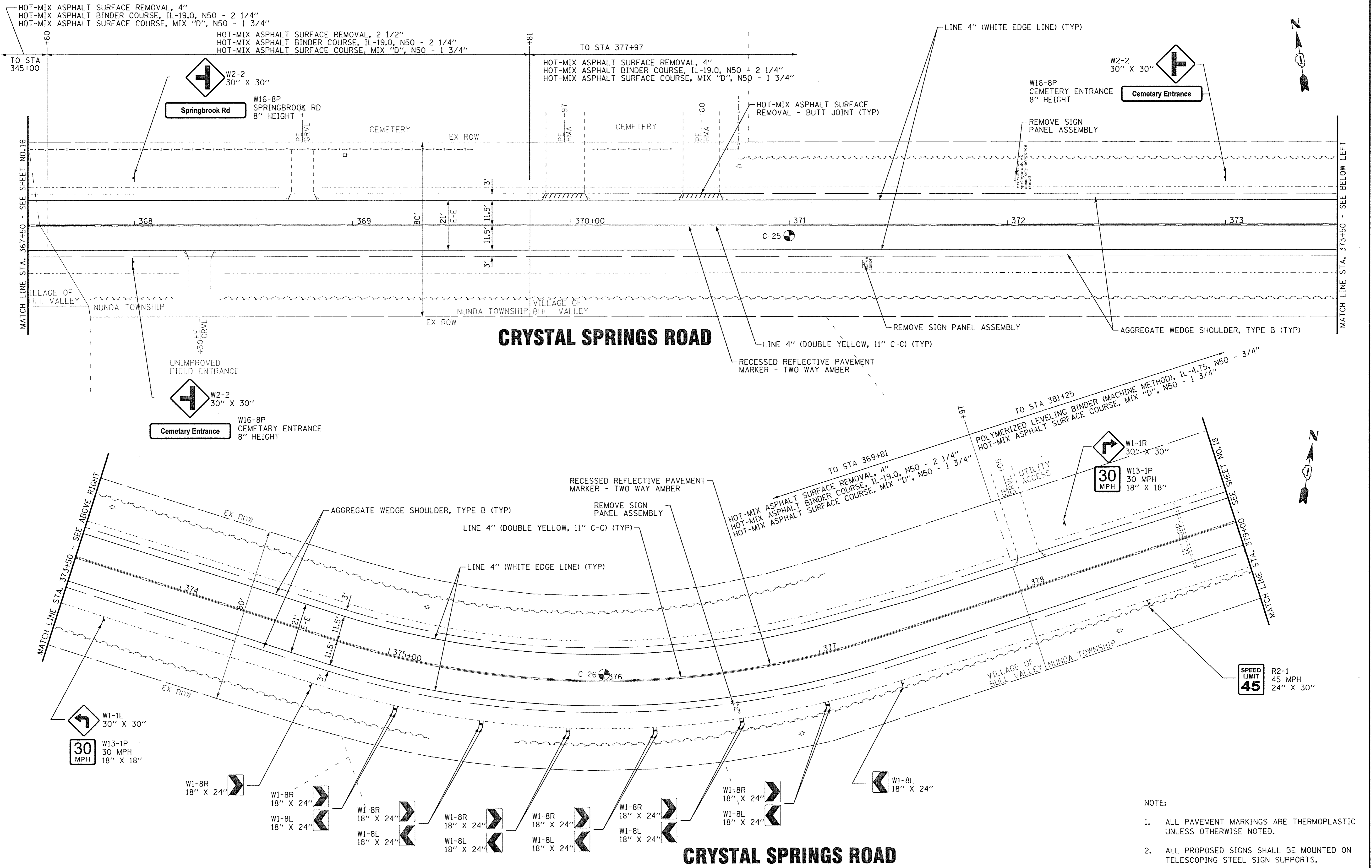
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN - CRYSTAL SPRINGS ROAD

SCALE: 1"=20'	STA. 355+50 TO STA. 367+50	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT
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TR. J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151	15-00007-00-RS	McHENRY	43	16
			CONTRACT NO. 61D95	



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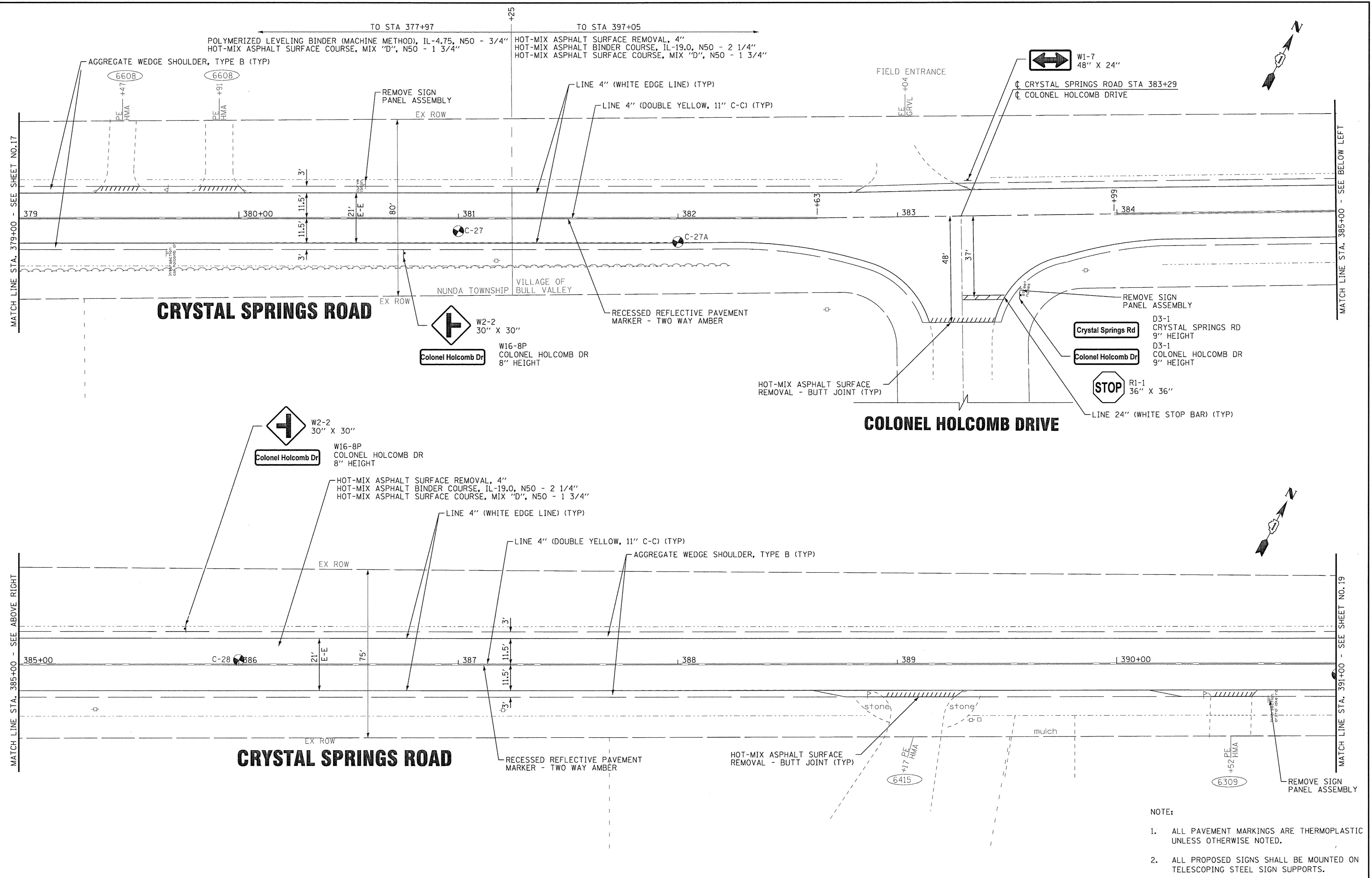
PLAN - CRYSTAL SPRINGS ROAD

SCALE: 1"=20'

STA. 367+50 TO STA. 379+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	15-00007-00-RS	McHENRY	43	17
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 61D95	

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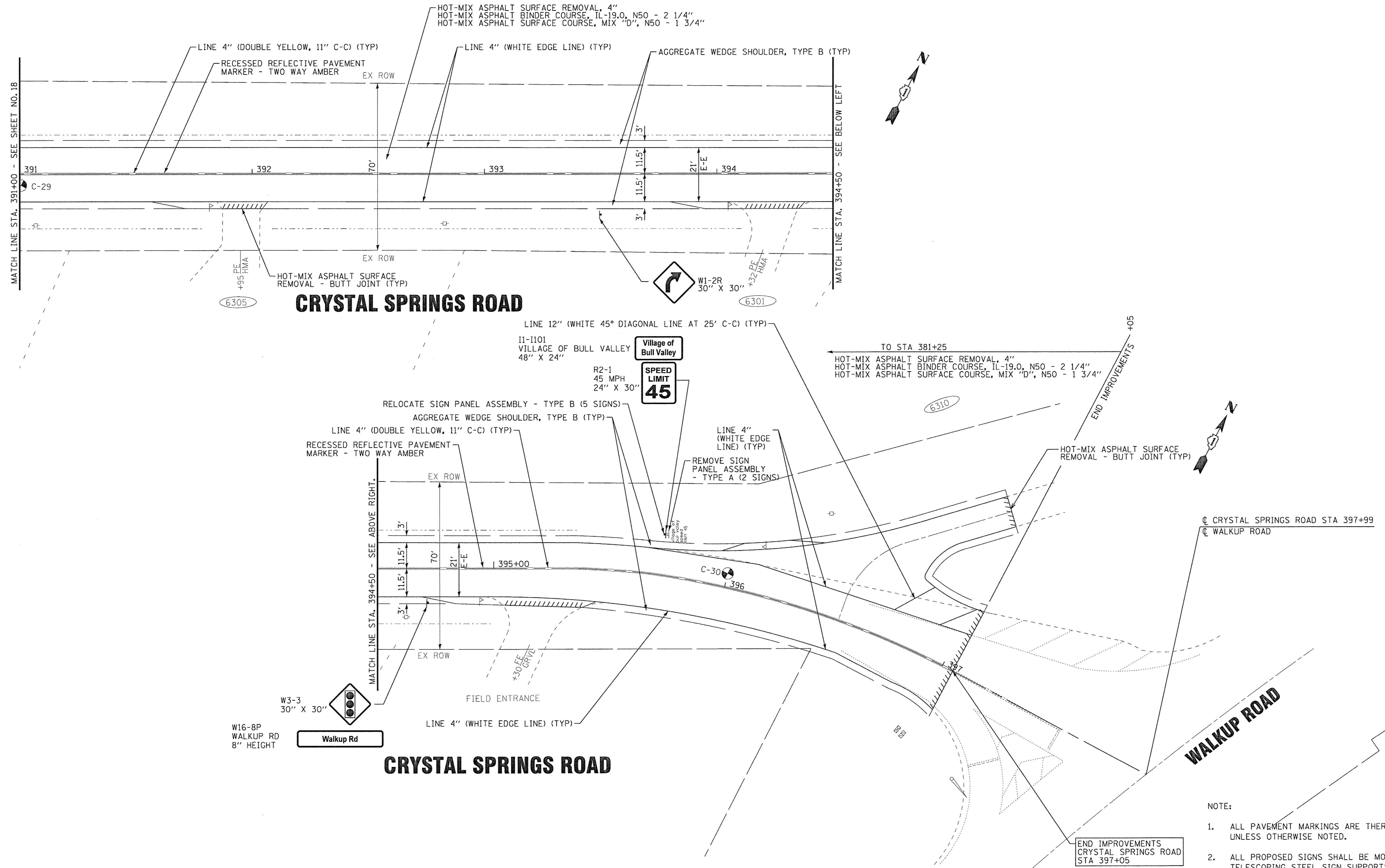
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STATE OF ILLINOIS
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PLAN - CRYSTAL SPRINGS ROAD
 SCALE: 1"=20'
 STA. 379+00 TO STA. 391+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	15-00007-00-RS	McHENRY	43	18
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D95	

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DESIGNED - MWP	REVISED -
DRAWN - KAR	REVISED -
CHECKED - MWP	REVISED -
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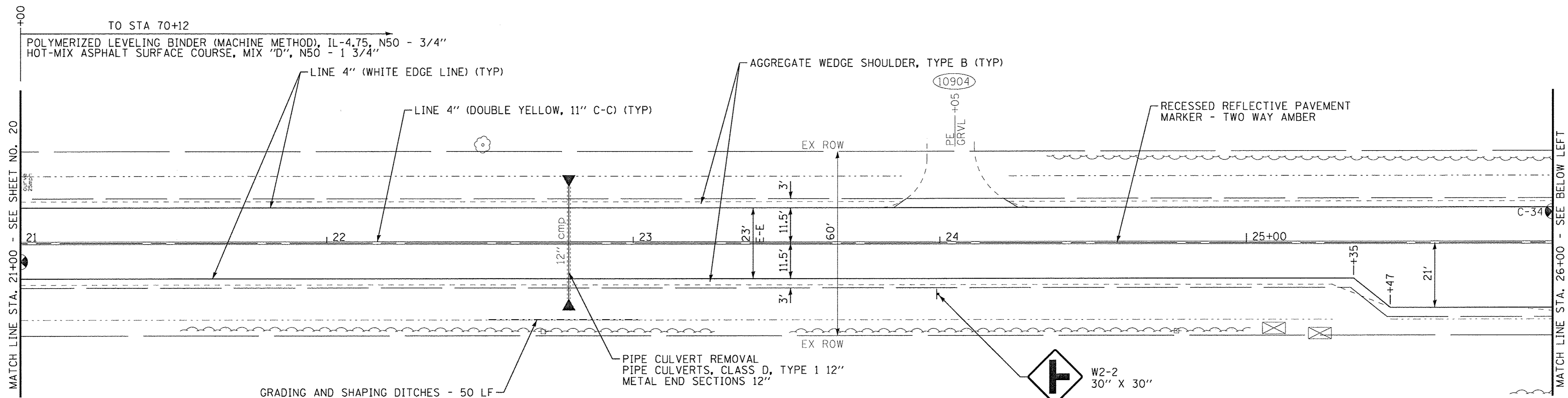
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN - CRYSTAL SPRINGS ROAD

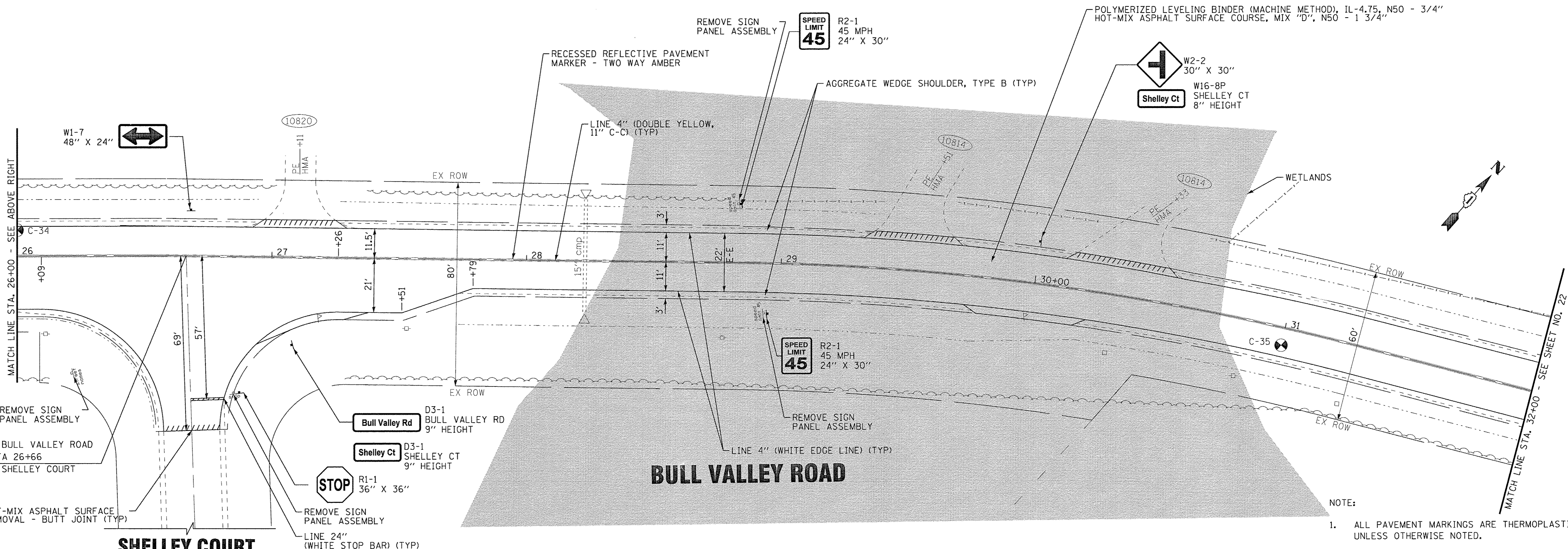
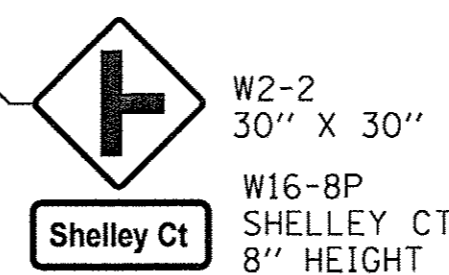
SCALE: 1"=20' STA. 391+00 TO STA. 397+99

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	15-00007-00-RS	McHENRY	43	19
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D95	

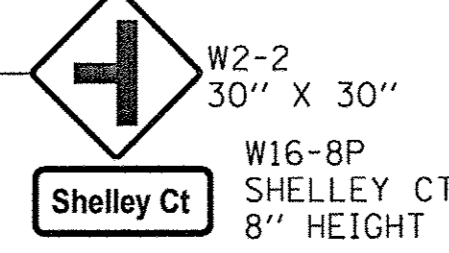
- NOTE:
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 - ALL PROPOSED SIGNS SHALL BE MOUNTED ON TELESCOPING STEEL SIGN SUPPORTS.



BULL VALLEY ROAD



BULL VALLEY ROAD



SHELLEY COURT

- NOTE:
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 2. ALL PROPOSED SIGNS SHALL BE MOUNTED ON TELESCOPING STEEL SIGN SUPPORTS.

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CHECKED - MWP	REVISED -
DATE - 01-27-17	FILE - 140550SHT-Plan15-Bull Valley.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN - BULL VALLEY ROAD

SCALE: 1"=20' STA. 21+00 TO STA. 32+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	15-00007-00-RS	MCHEMRY	43	21
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D95	

MATCH LINE STA. 44+00 - SEE SHEET NO. 22

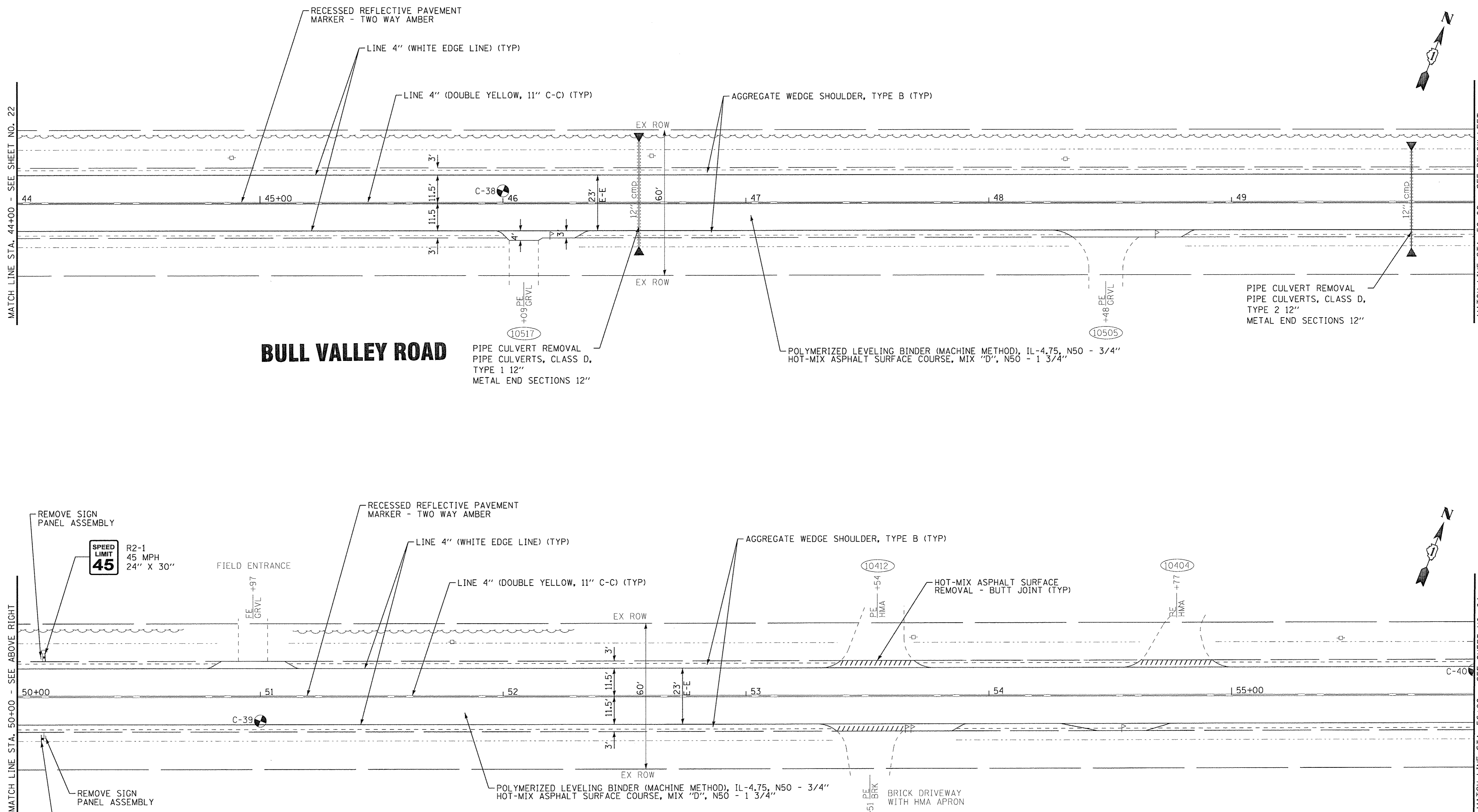
MATCH LINE STA. 50+00 - SEE BELOW LEFT

BULL VALLEY ROAD

MATCH LINE STA. 50+00 - SEE ABOVE RIGHT

MATCH LINE STA. 56+00 - SEE SHEET NO. 24

BULL VALLEY ROAD



REMOVE SIGN PANEL ASSEMBLY

SPEED LIMIT 45 R2-1
45 MPH
24" X 30"

REMOVE SIGN PANEL ASSEMBLY

SPEED LIMIT 45 R2-1
45 MPH
24" X 30"

- NOTE:
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CHECKED - MWP	REVISED -
DATE - 01-27-17	FILE - 140550SHT-Plan17-Bull Valley.dgn

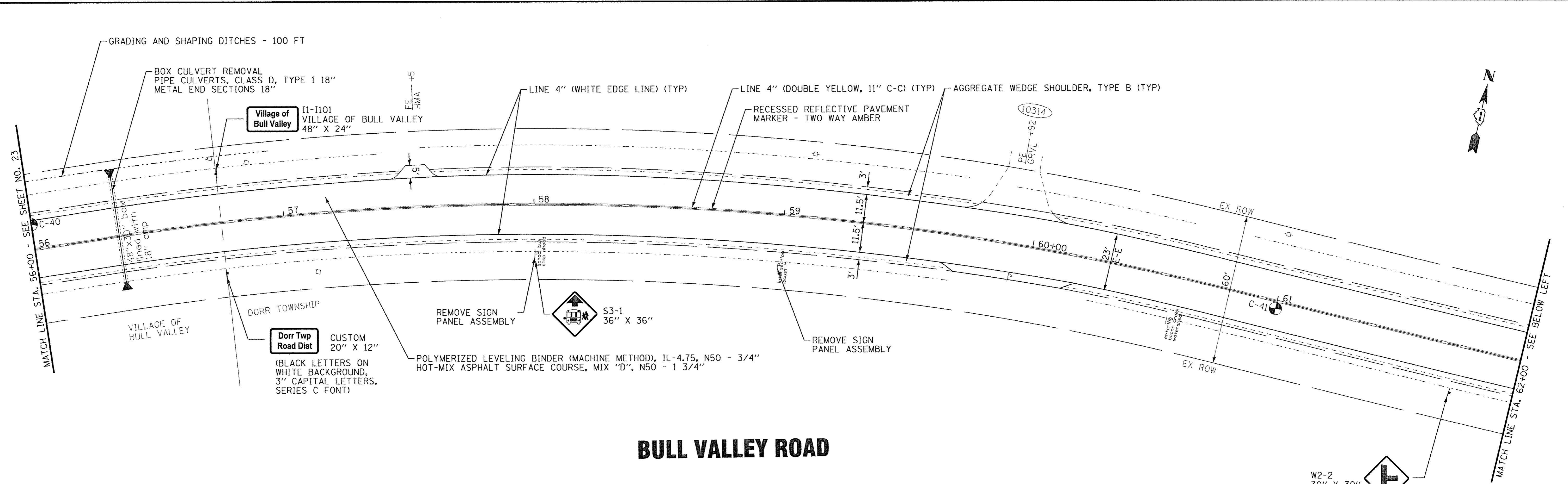
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN - BULL VALLEY ROAD

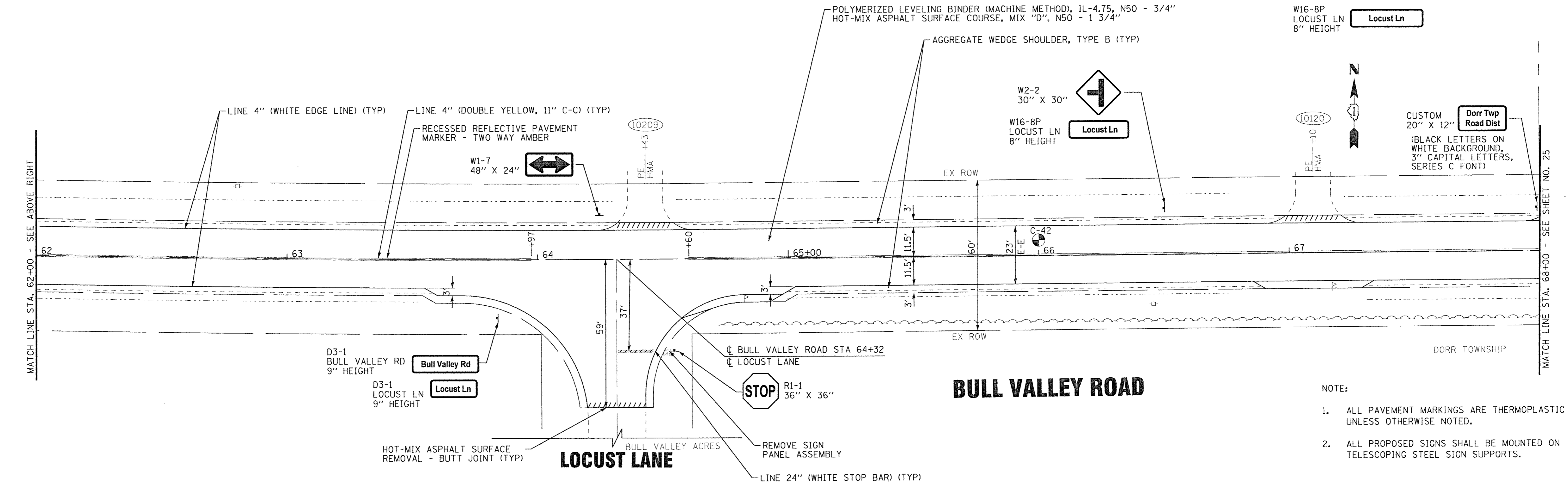
SCALE: 1"=20'

STA. 44+00 TO STA. 56+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	15-00007-00-RS	MCHEMRY	43	23
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D95	



BULL VALLEY ROAD



LOCUST LANE

BULL VALLEY ROAD

- NOTE:
1. ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.
 2. ALL PROPOSED SIGNS SHALL BE MOUNTED ON TELESCOPING STEEL SIGN SUPPORTS.

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BAXTER & WOODMAN Consulting Engineers	DESIGNED - MWP	REVISED -
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	CHECKED - MWP	REVISED -
	DATE - 01-27-17	FILE - 140550SHT-Plan18-Bull Valley.dgn

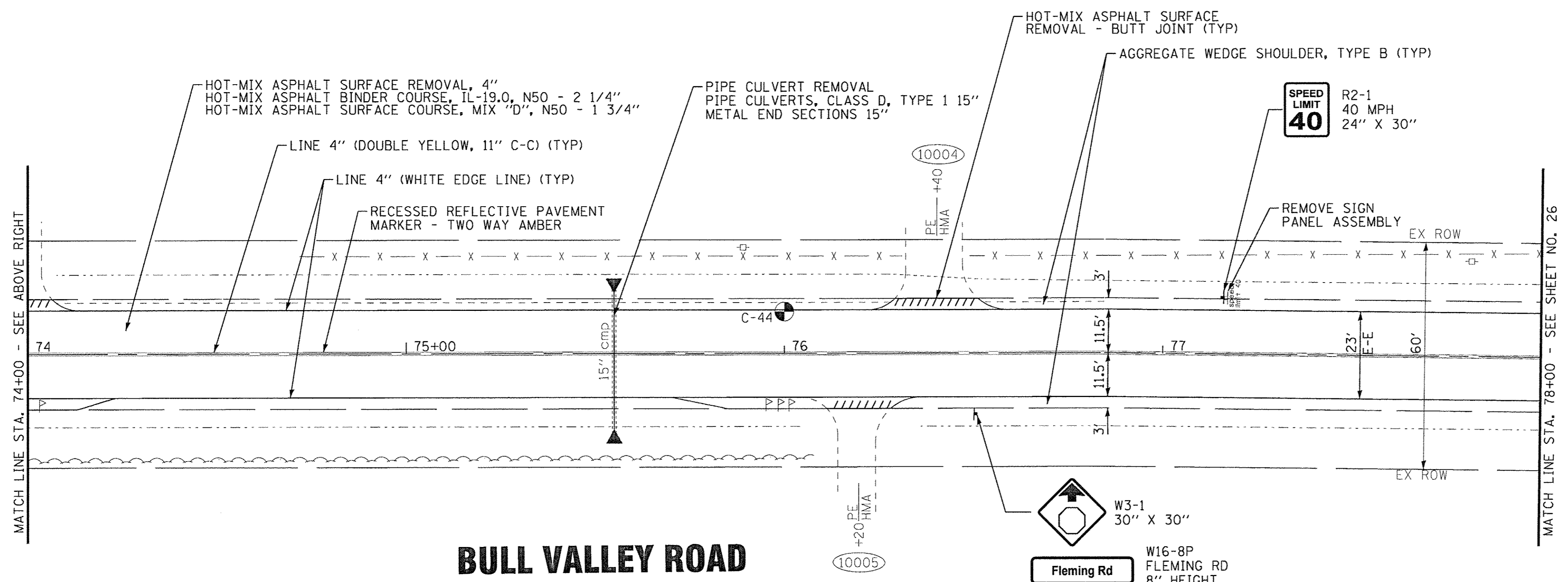
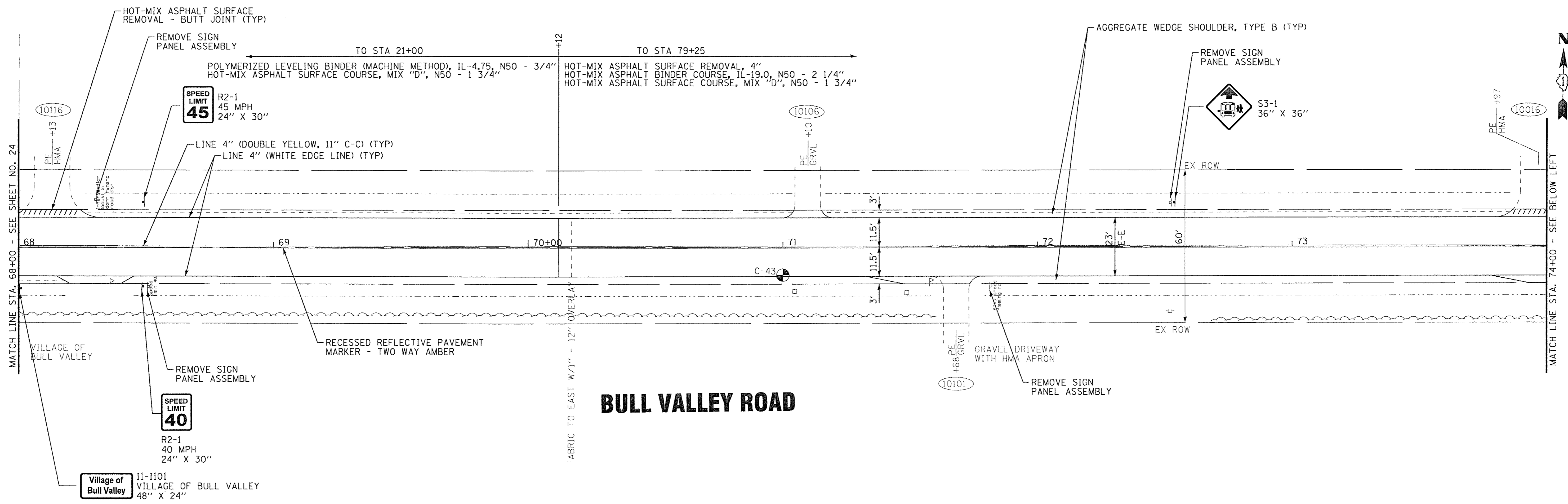
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN - BULL VALLEY ROAD

SCALE: 1"=20'

STA. 56+00 TO STA. 68+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	15-00007-00-RS	McHENRY	43	24
CONTRACT NO. 61D95				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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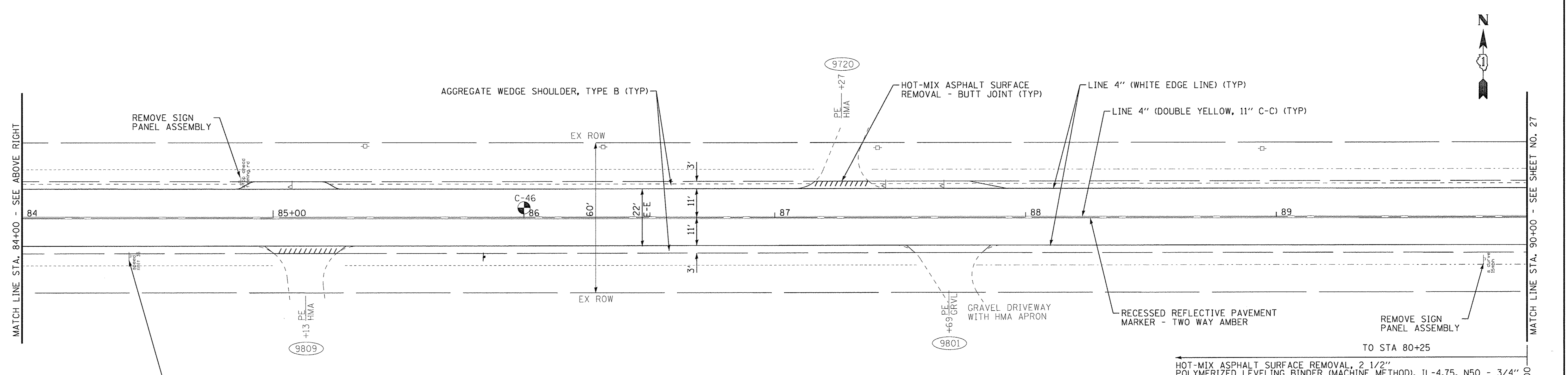
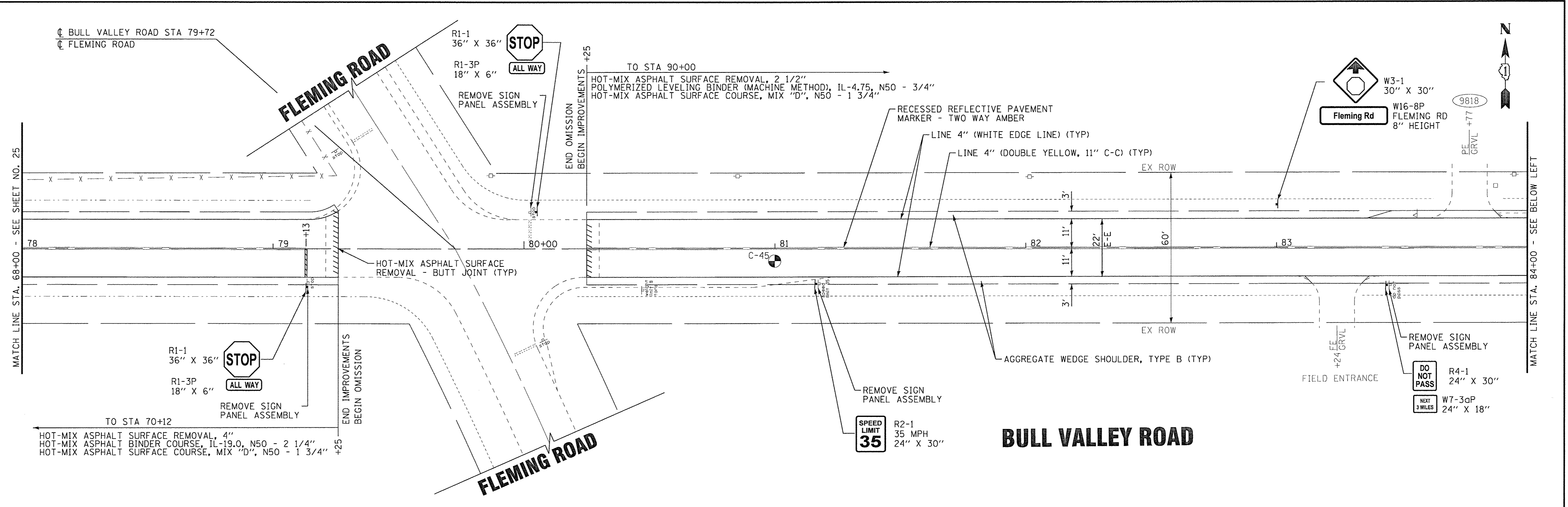
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN - BULL VALLEY ROAD

SCALE: 1"=20'	STA. 68+00 TO STA. 78+00	F.A.U. RTE. 3860	SECTION 15-00007-00-R5	COUNTY MCHENRY	TOTAL SHEETS 43	SHEET NO. 25
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT						

- NOTE:
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 - ALL PROPOSED SIGNS SHALL BE MOUNTED ON TELESCOPING STEEL SIGNS SUPPORTS.



- NOTE:
1. ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.
 2. ALL PROPOSED SIGNS SHALL BE MOUNTED ON TELESCOPING STEEL SIGN SUPPORTS.

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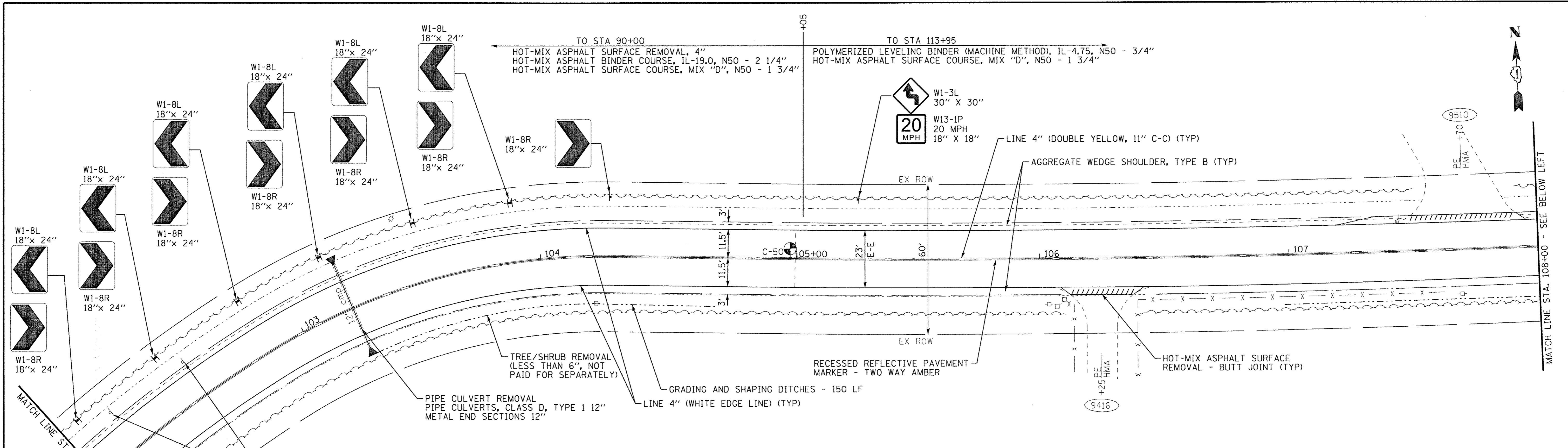
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	CHECKED - MWP	REVISED -
	DATE - 01-27-17	FILE - I40550SHT-Plan20-Bull Valley.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

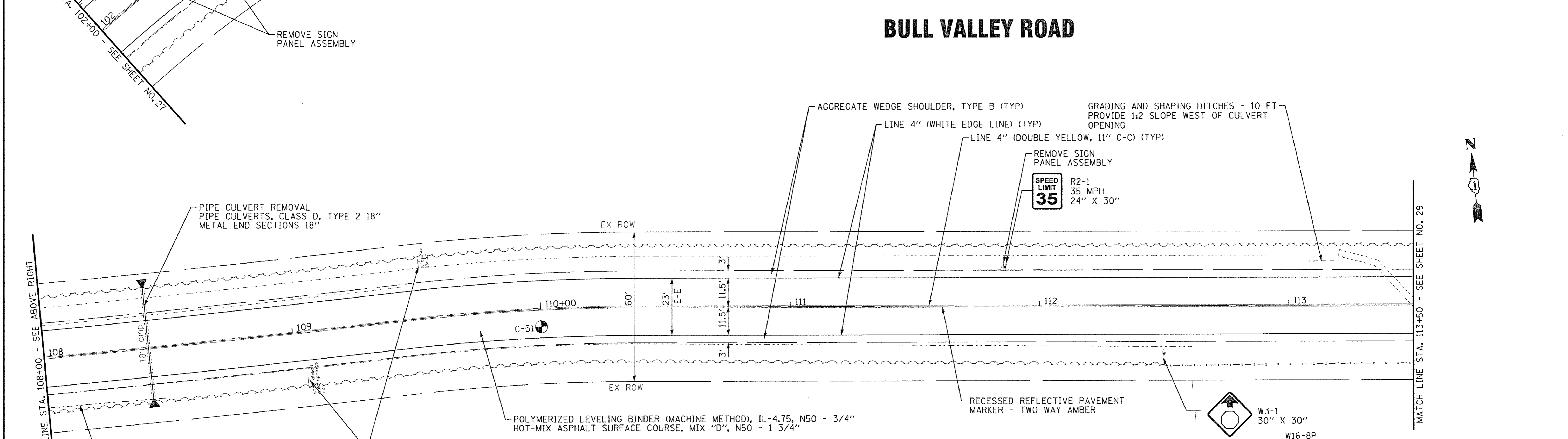
PLAN - BULL VALLEY ROAD

SCALE: 1"=20'	STA. 78+00	TO STA. 90+00	F.A.U. RTE. 3860	SECTION 15-00007-00-RS	COUNTY McHENRY	TOTAL SHEETS 43	SHEET NO. 26
			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 61D95



BULL VALLEY ROAD



BULL VALLEY ROAD

Cold Springs Rd
W16-8P
COLD SPRINGS RD
8" HEIGHT

- NOTE:
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	CHECKED - MWP	REVISED -
	DATE - 01-27-17	FILE - 140550SHT-Plan22-Bull Valley.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

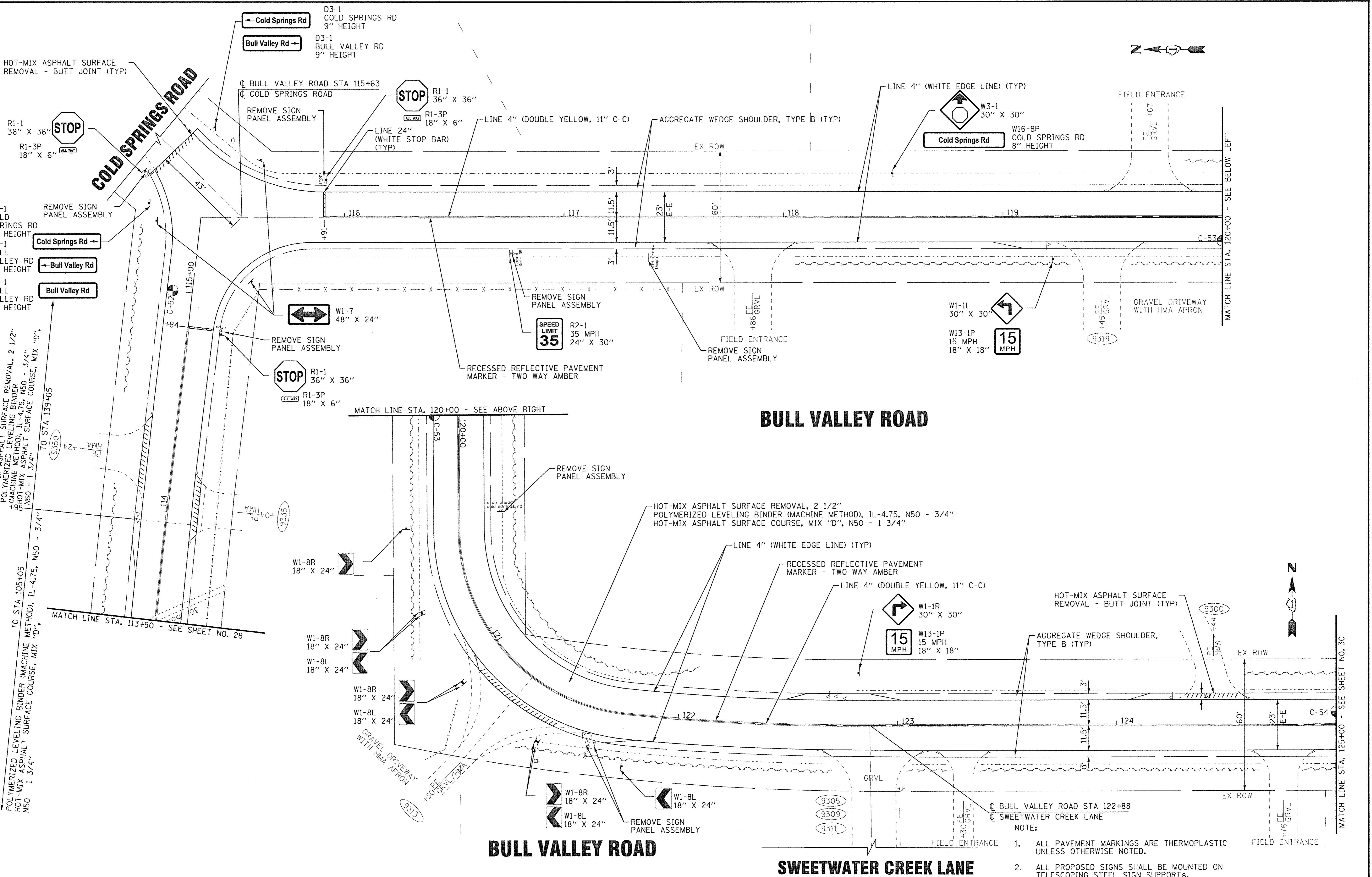
PLAN - BULL VALLEY ROAD

SCALE: 1"=20' STA. 102+00 TO STA. 113+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	15-00007-00-RS	McHENRY	43	28
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D95	

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PROJECT: Crystal Lake, Bull Valley, N50550-STP App.CADD, H0550SHT-Plan23-Bull Valley.dgn
 TO STA 105+05
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 3/4"
 TO STA 139+05
 HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 3/4"



BAXTER & WOODMAN
 Consulting Engineers

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DATE - 01-27-17	FILE - 140550SHT-Plan23-Bull Valley.dgn

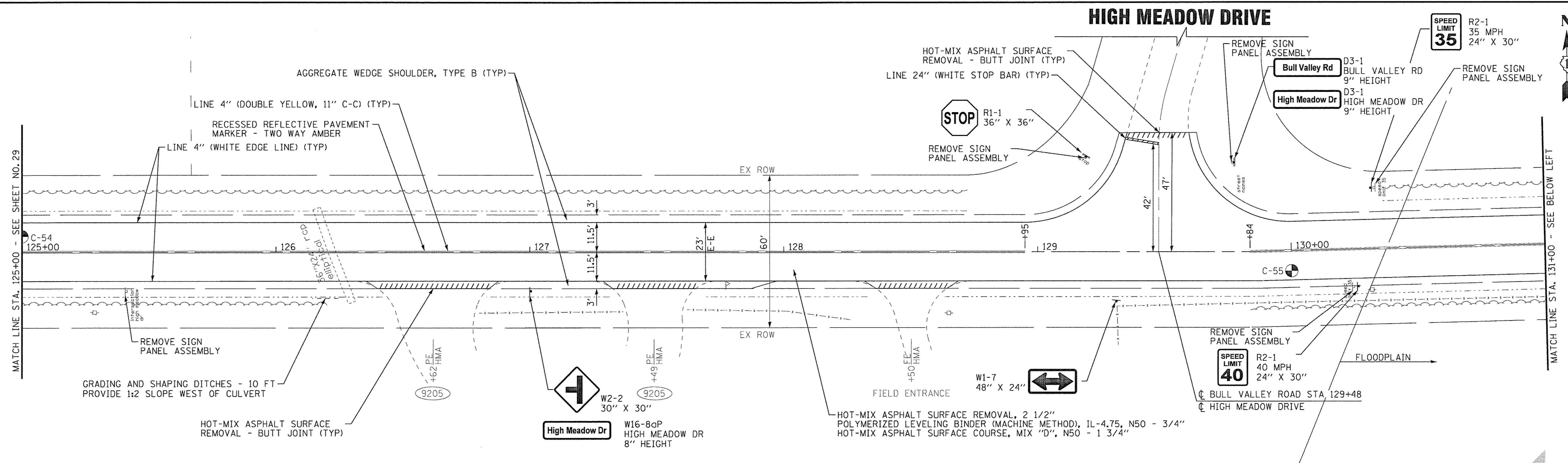
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN - BULL VALLEY ROAD

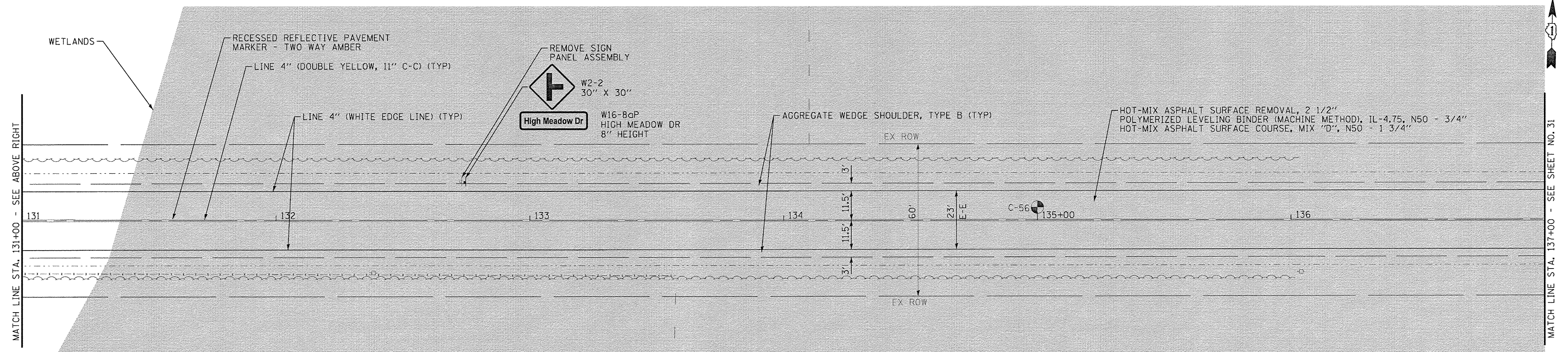
SCALE: 1"=20'
 STA. 113+50 TO STA. 125+00

F.A.U. RTE. 3860	SECTION 15-00007-00-RS	COUNTY McHENRY	TOTAL SHEETS 43	SHEET NO. 29
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

- NOTE:
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 2. ALL PROPOSED SIGNS SHALL BE MOUNTED ON TELESCOPING STEEL SIGN SUPPORTS.



BULL VALLEY ROAD



BULL VALLEY ROAD

- NOTE:
1. ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.
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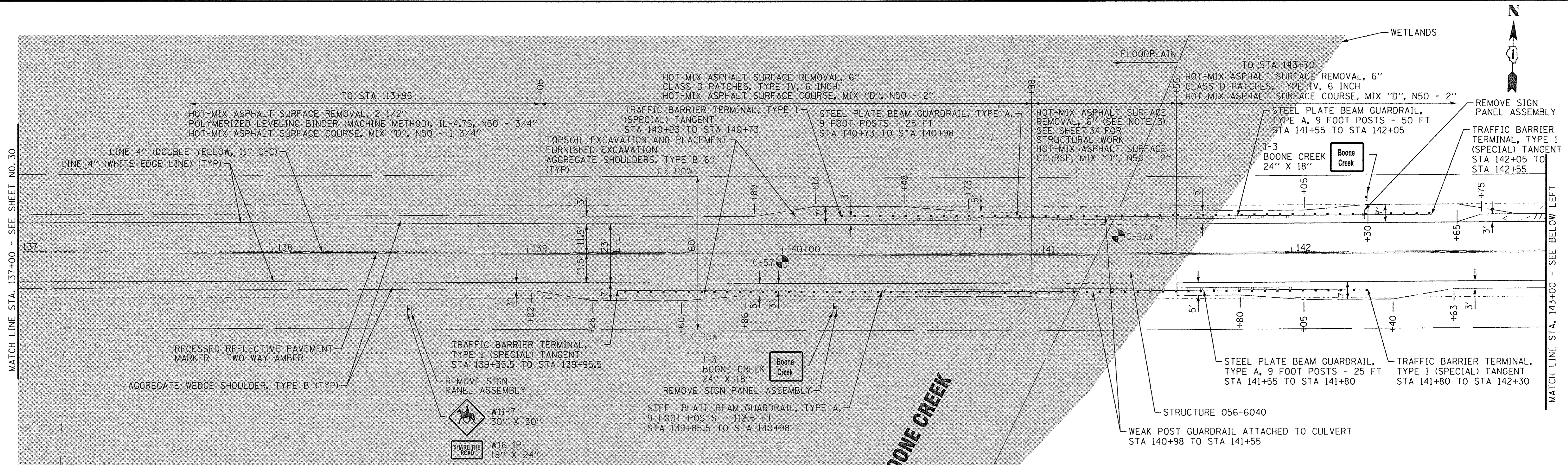
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CHECKED - MWP	REVISED -
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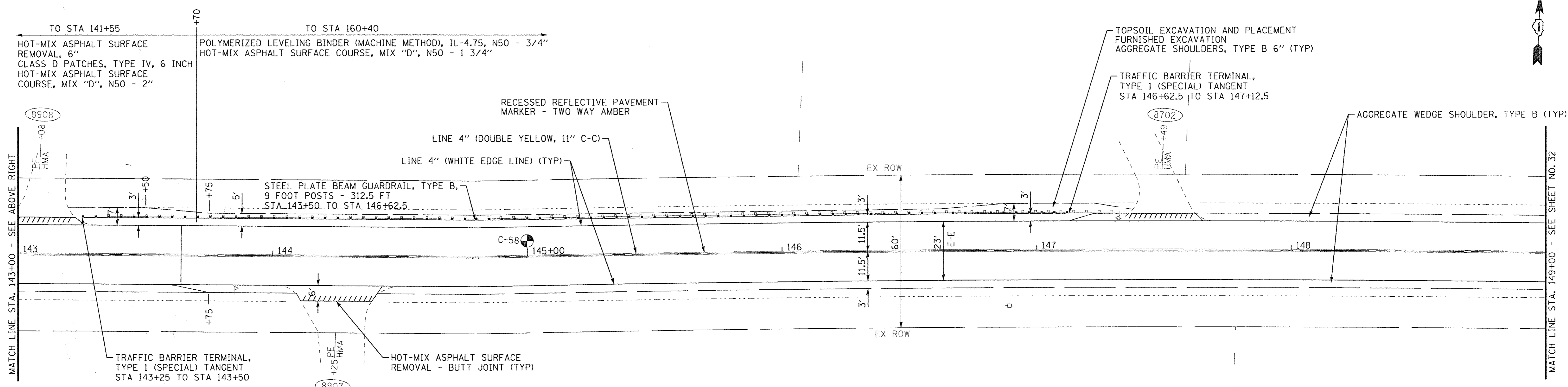
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PLAN - BULL VALLEY ROAD
SCALE: 1"=20'
STA. 125+00 TO STA. 137+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	15-00007-00-RS	McHENRY	43	30
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D95	



BULL VALLEY ROAD



BULL VALLEY ROAD

- NOTE:
1. ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.
 2. ALL PROPOSED SIGNS SHALL BE MOUNTED ON TELESCOPING STEEL SIGN SUPPORTS.
 3. REMOVAL OF EXISTING SAND MIX INCLUDED IN THE COST OF HOT-MIX ASPHALT SURFACE REMOVAL.

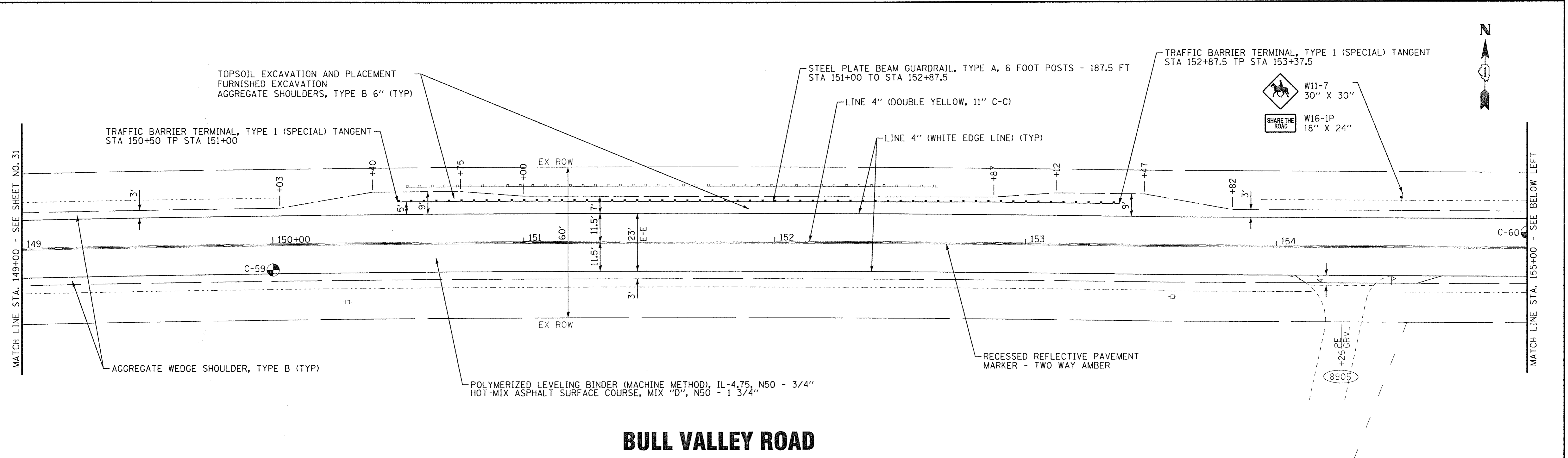
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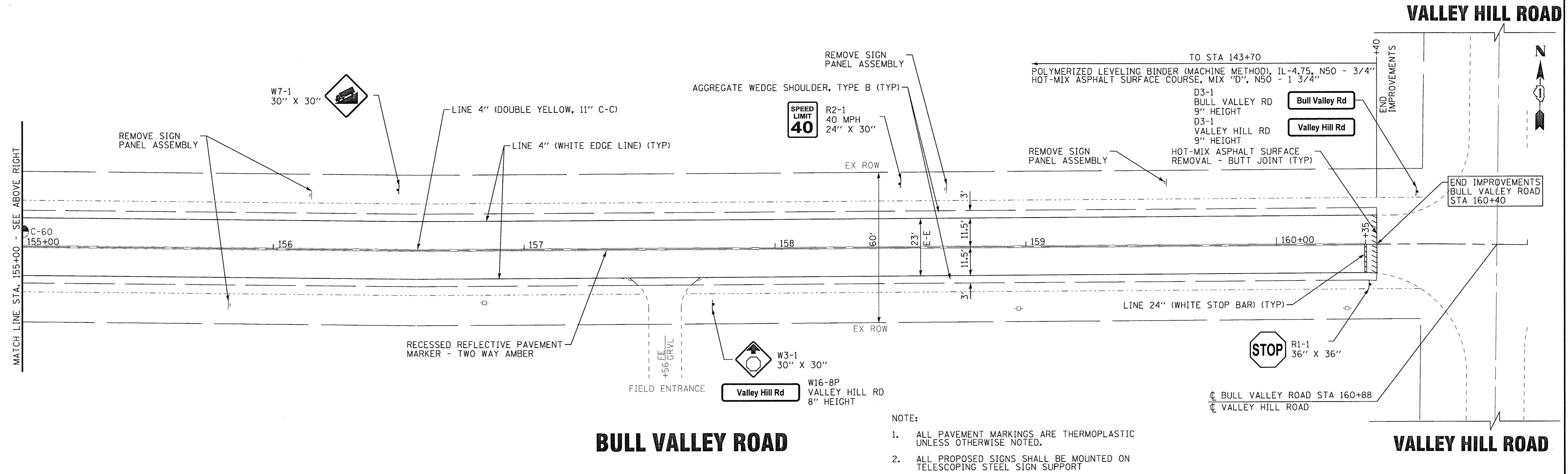
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DEPARTMENT OF TRANSPORTATION

PLAN - BULL VALLEY ROAD

SCALE: 1"=20'	STA. 137+00 TO STA. 149+00	F.A.U. RTE. 3860	SECTION 15-0007-00-R5	COUNTY McHENRY	TOTAL SHEETS 43	SHEET NO. 31
				CONTRACT NO. 61D95		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						



BULL VALLEY ROAD



BULL VALLEY ROAD

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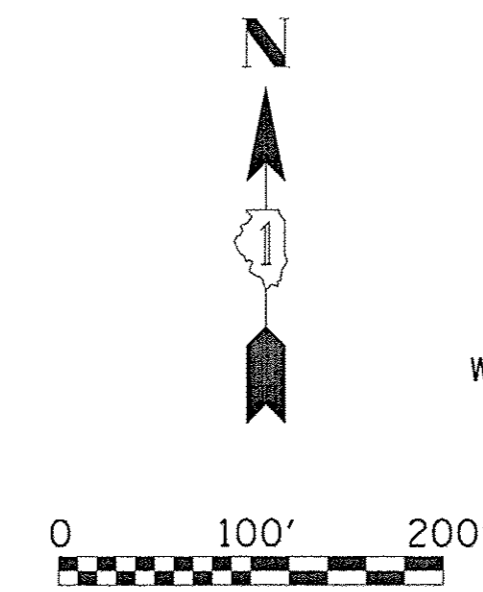
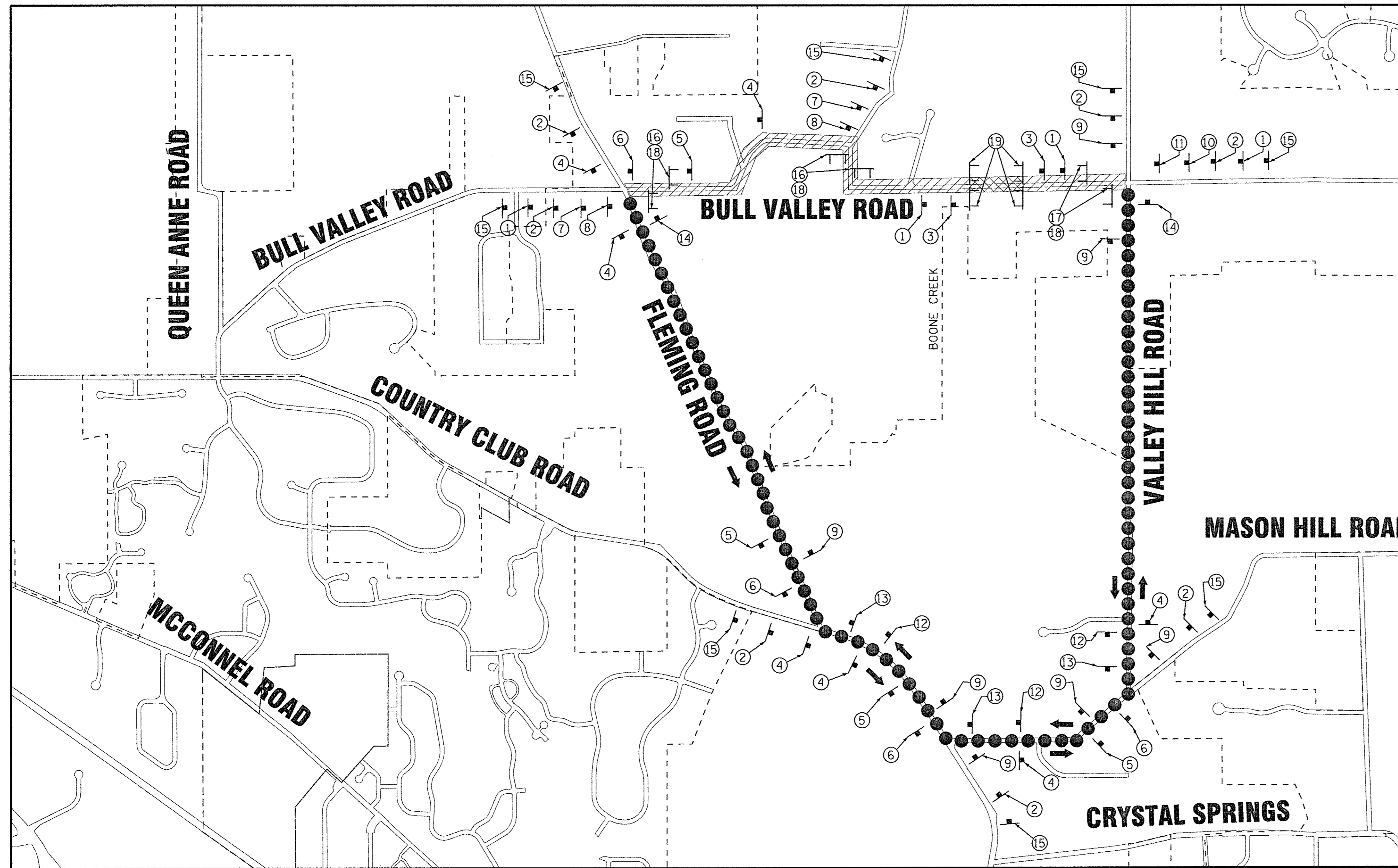
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DEPARTMENT OF TRANSPORTATION**

PLAN - BULL VALLEY ROAD

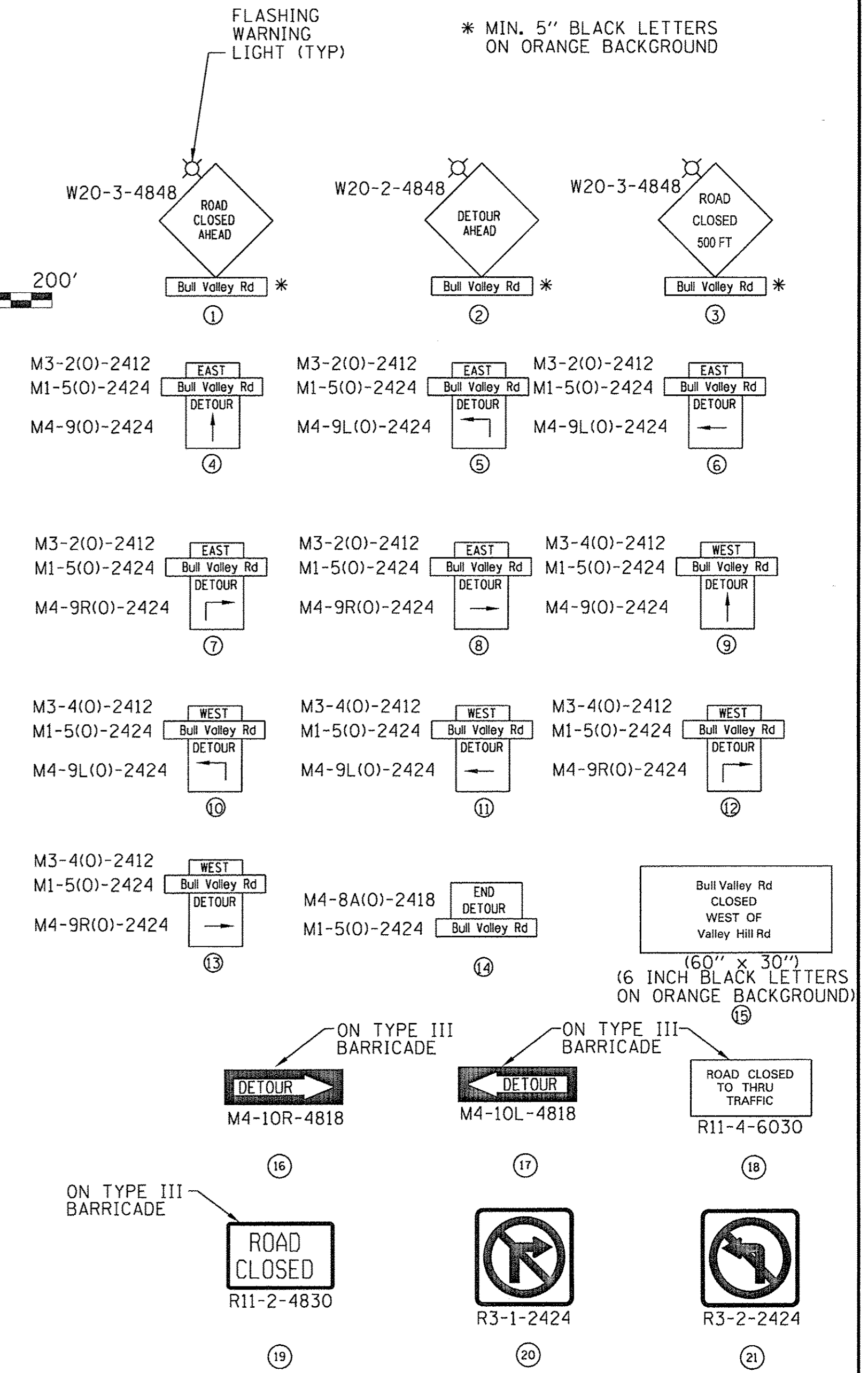
SCALE: 1"=20'
STA. 149+00 TO STA. 161+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D95	

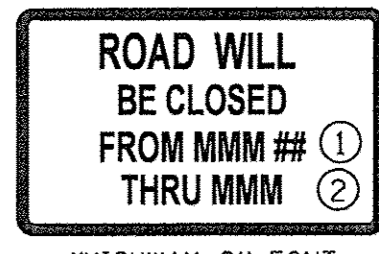
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SIGN DETAILS



ARTERIAL ROAD INFORMATION SIGN
 FOR ROADS TO BE FULLY CLOSED
 AND DETOURED
 SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.
 ONE SIGN ASSEMBLY EQUALS 27.3 SQ. FT.



- ① OVERLAY PANEL ① TO CONTAIN STARTING DATE OF FULL CLOSURE AND DETOUR IMPLEMENTATION. (i.e. "FROM APR 2")
 - ② OVERLAY PANEL ② TO CONTAIN ENDING MONTH OF FULL CLOSURE & DETOUR (i.e. "THRU JULY") OMIT THE DATE ON PANEL ②; MONTH ONLY.
- ERECT SIGN ASSEMBLY (POST-MOUNTED WITH PANELS ① AND ② IN PLACE ON ROAD TO BE CLOSED IN EACH DIRECTION NEAR POINT OF CLOSURE OR WITHIN SECTION TO BE FULLY CLOSED TWO (2) WEEKS PRIOR TO START DATE OF FULL CLOSURE. REMOVE ASSEMBLY AFTER CLOSURE.

TEMPORARY INFORMATION SIGN DETAIL

LEGEND

- DIRECTION OF DETOURED TRAFFIC
- DETOUR ROUTE
- SIGN**
- TYPE III BARRICADES
- ROAD CLOSED TO THRU TRAFFIC
- ROAD CLOSED TO ALL TRAFFIC - WORK ZONE

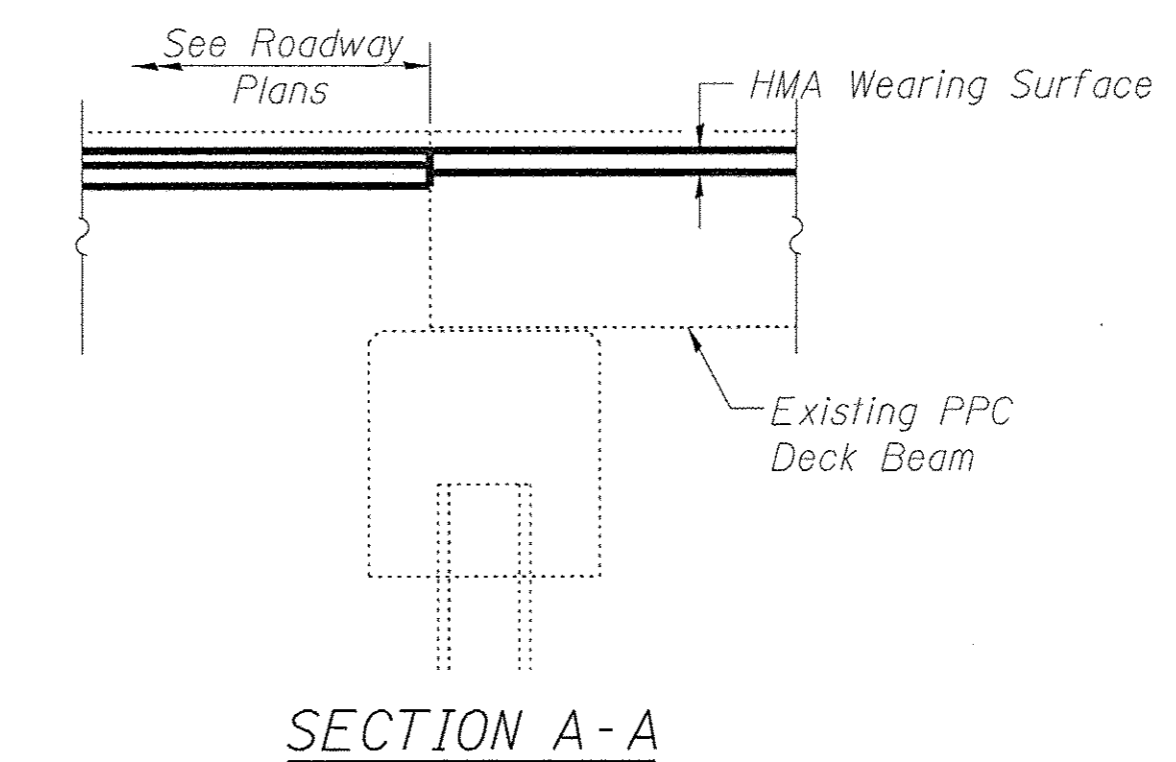
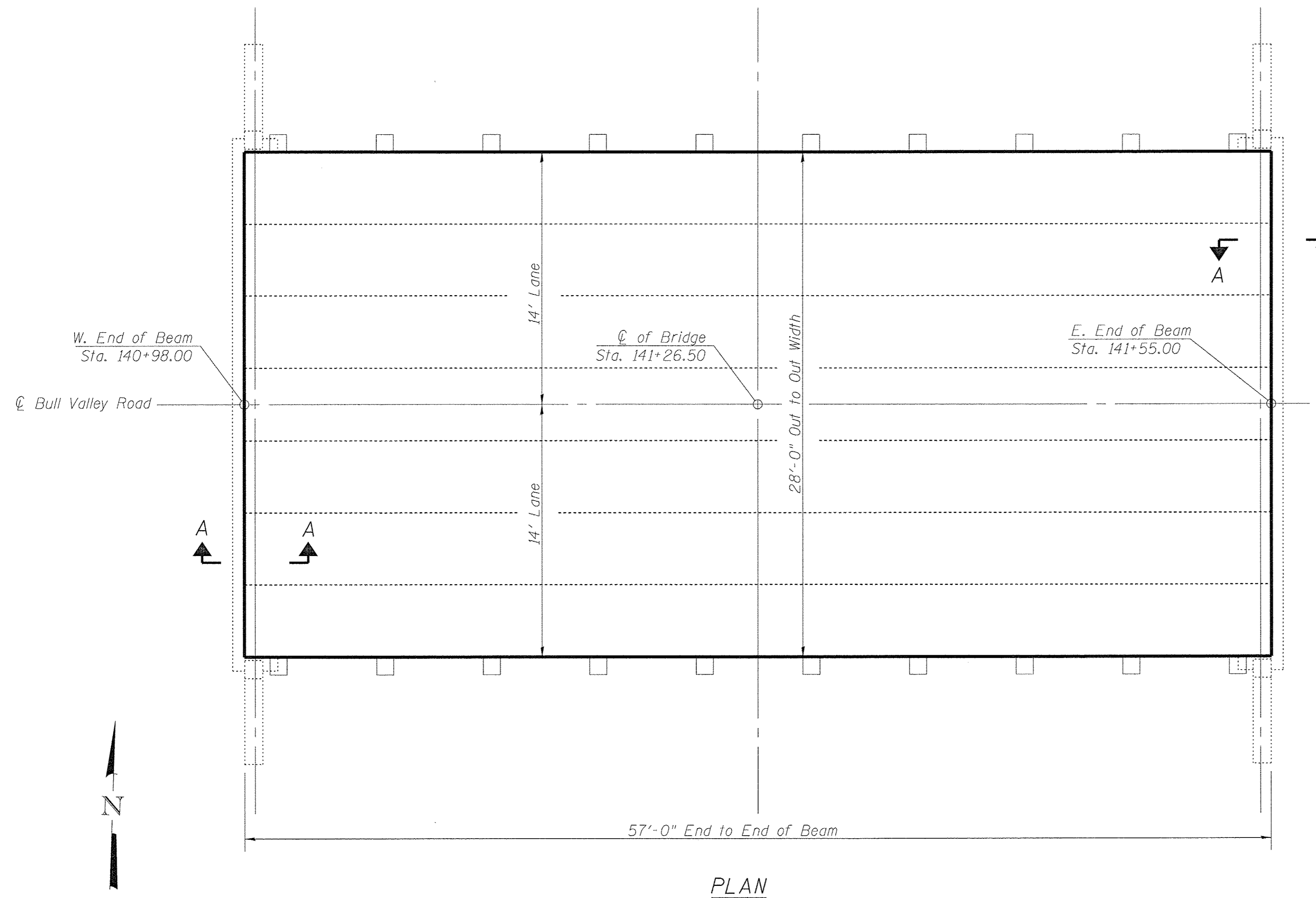
1. NO WORK SHALL BEGIN ON CRYSTAL SPRINGS ROAD UNTIL THE ROAD CLOSURE AND DETOUR FOR THE BULL VALLEY ROAD BRIDGE WORK IS COMPLETE.
2. THE DETOUR ROUTE SHALL BE USED FOR A MAXIMUM OF 14 CALANDER DAYS.
3. DETOUR SIGNAGE SHALL NOT BE INSTALLED ON ANY MCHENRY COUNTY DIVISION OF TRANSPORTATION (MCDOT) STREET LIGHT POLES OR SIGNAL POLES. IF THEY ARE FOUND TO BE INSTALLED ON MCDOT POLES, THEY WILL BE IMMEDIATELY REMOVED.
4. DETOUR SIGNAGE SHALL NOT BLOCK ANY MCDOT SIGNS AND CANNOT USE THE MCDOT SIGN POSTS.
5. SIGN POSTS SHALL BE INSTALLED AT LEAST TWELVE (12) FEET FROM THE EDGE OF THE MAINLINE ROADWAY (WHITE PAINTED EDGELINE).
6. CONTACT AND NOTIFY THE MCHENRY COUNTY DIVISION OF TRANSPORTATION (MCDOT) AT (815) 334-4980 AT LEAST 48 HOURS IN ADVANCE OF PLACING SIGNAGE ALONG THE COUNTY HIGHWAY(S).
7. DETOUR SIGN INSTALLATION CONTRACTOR SHALL CALL JULIE FOR UTILITY LOCATES. MCDOT MAY HAVE STORM DRAIN, SIGNAL AND LIGHTING FACILITIES IN THESE AREAS THAT WILL REQUIRE LOCATES. CONTACT JULIE AT (800) 892-0123.

Existing Structure: Built as Section 83-00002-00-BR in 1990 by McHenry County.
 Single-span Precast Prestressed Concrete deck beam structure, 58'-8³/₄" back to back of abutments, and 28'-0" out to out width. Concrete stub abutments on steel piles. Road to be closed and traffic detoured during construction.

GENERAL NOTES

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

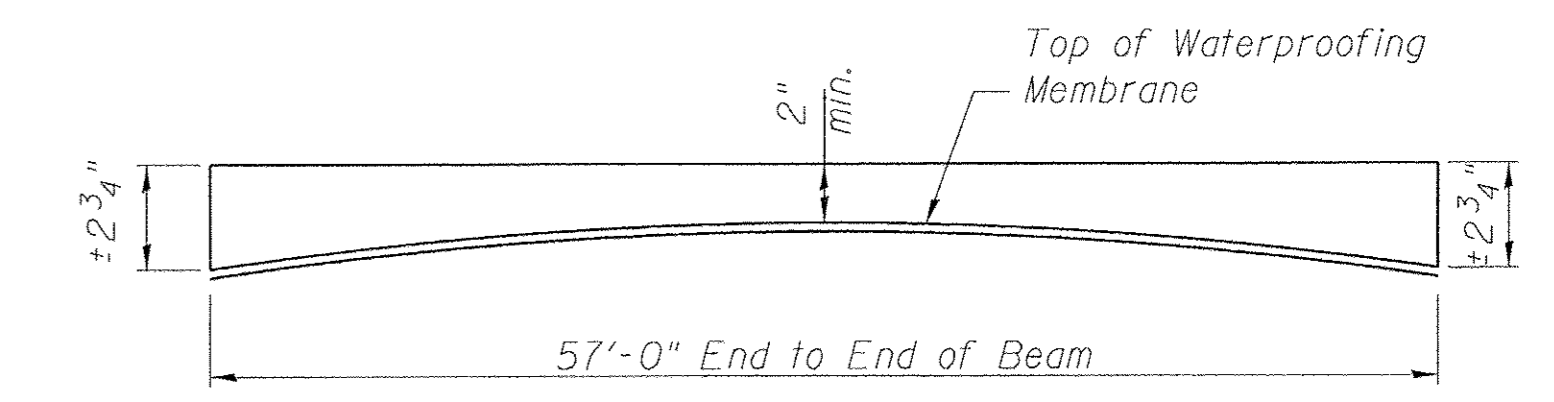
No work will be allowed in the stream.
 Hot-Mix Asphalt work shall be done in accordance with the applicable sections of Articles 406 and 582 of the Standard Specifications.
 The Contractor shall document the condition of the existing deck beams, including location and quantity of concrete spalls, cracks, and exposed reinforcement, and obtain concurrence from the Engineer, prior to beginning operations on the bridge. Upon completion of overlay installation the condition shall be documented again in the same manner, and any changes in condition reported to the Engineer of Record. Cost of this documentation shall be included with the unit price bid for HMA Surface Course, Mix "D", N50.
 The Contractor shall remove the existing Waterproofing Membrane System. Cost of this shall be included with the unit price bid for HMA Surface Removal.



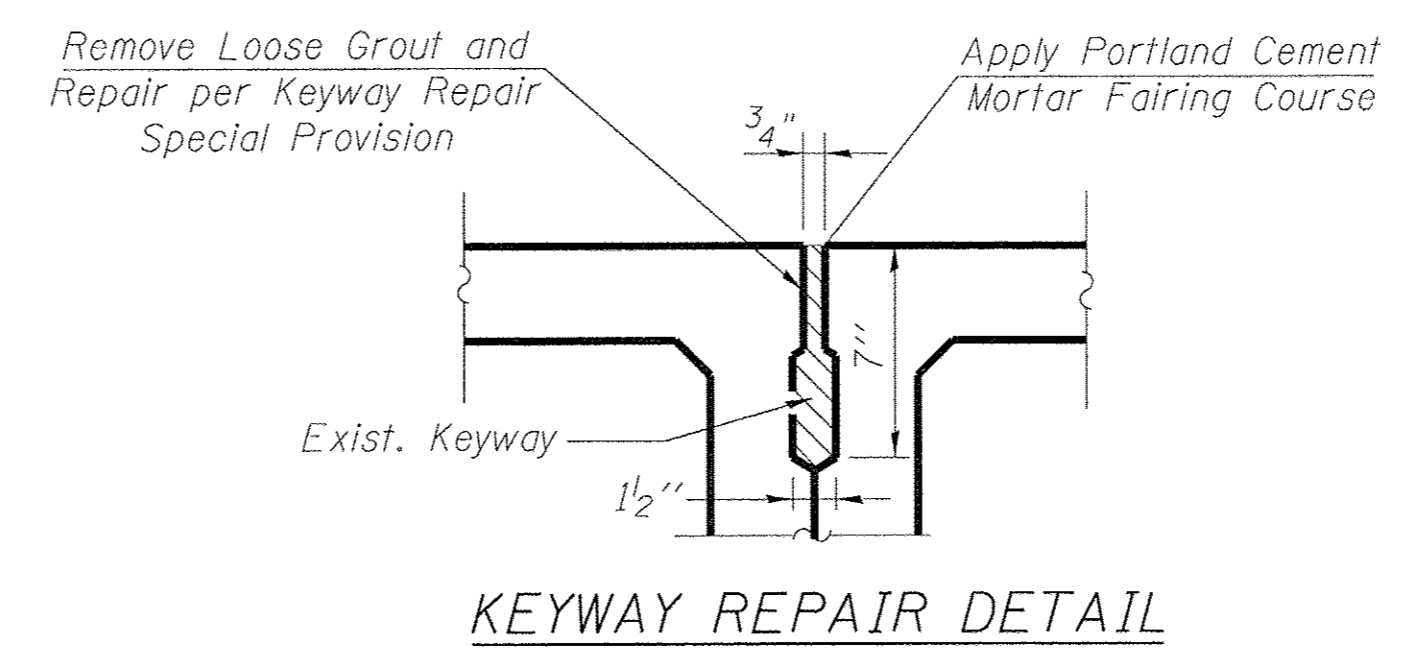
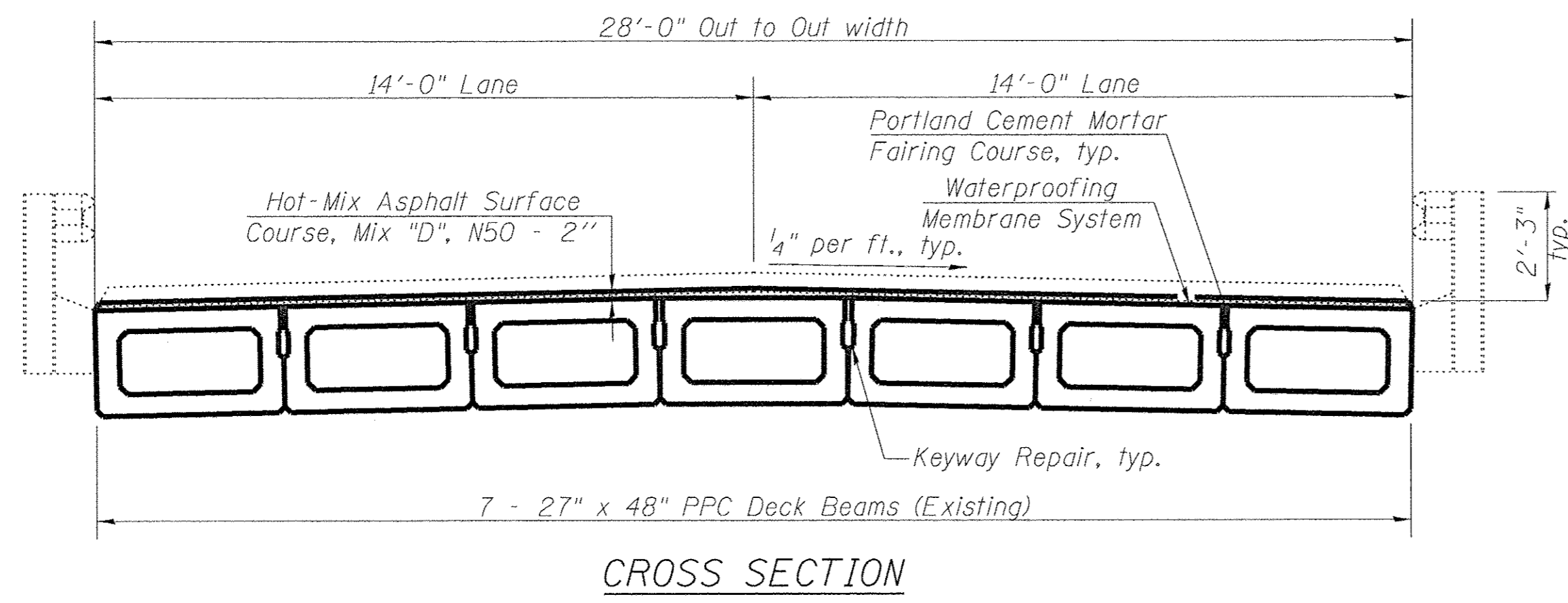
DESIGN STRESSES
EXISTING UNITS

$f_c = 1,400$ psi (Allowable - Plain Concrete)
 $f_s = 20,000$ psi (Allowable - Reinforcement)
 $f'_{ci} = 4,000$ psi (Prestressed Concrete)
 $f'_{cs} = 5,000$ psi (Prestressed Concrete)
 $f'_{si} = 270,000$ psi (Stress-Relieved Strands)
 $f'_{ss} = 189,000$ psi (Stress-Relieved Strands)

DESIGN LOADING HS 20-44



Note: Final beam camber is estimated, and should be verified in the field prior to paving operations.

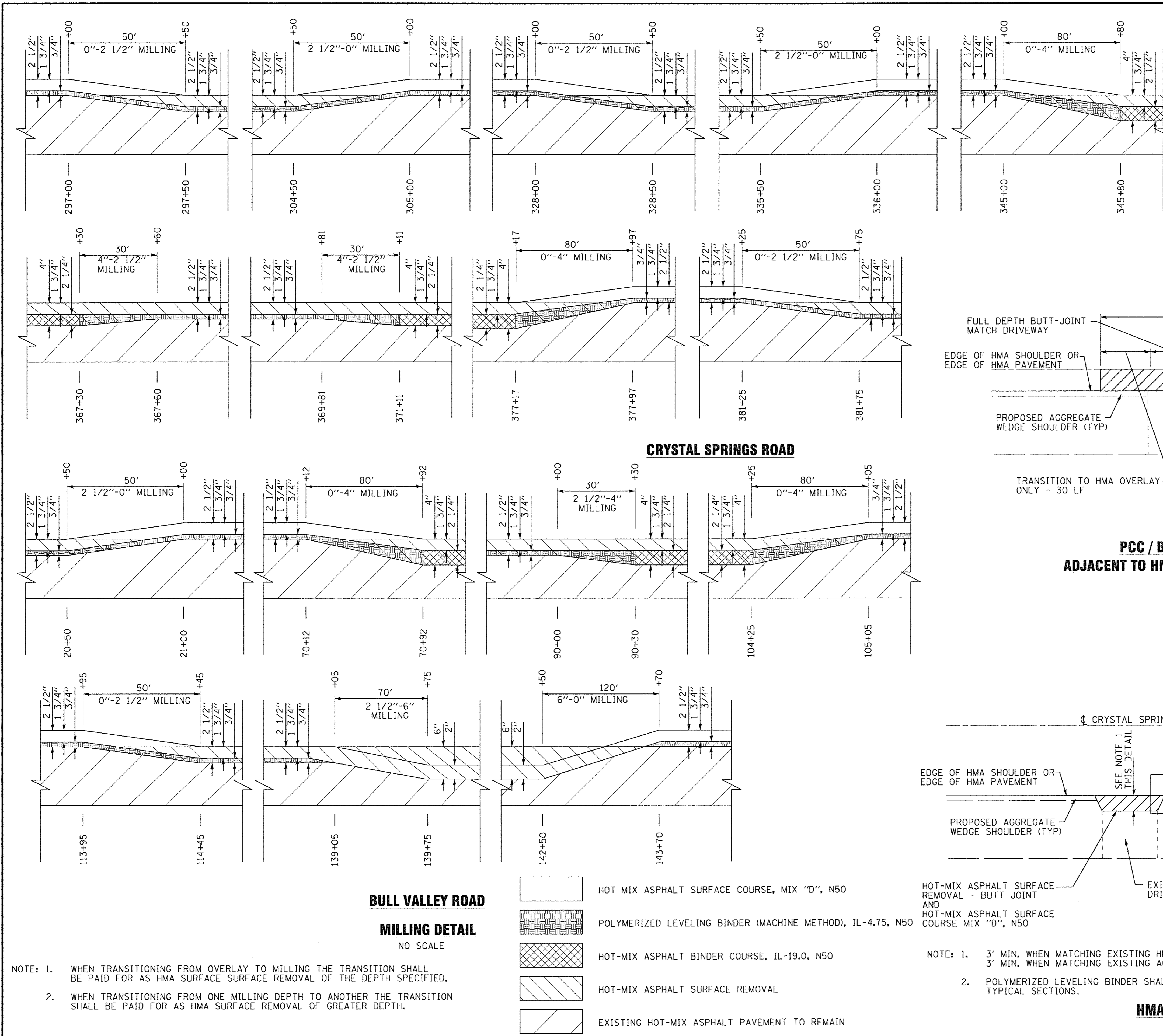


BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Hot-Mix Asphalt Surface Course, Mix "D", N50	Tons	26
Hot-Mix Asphalt Surface Removal, 6"	Sq Yd	178
Waterproofing Membrane System	Sq Yd	178
Portland Cement Mortar Fairing Course	Foot	342
Keyway Repair	Foot	342

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 560KAR 4/3/2017
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 LICENSE NO. - J84-00121 - EXPIRES 4/30/2017
 560KAR 4/23/2017
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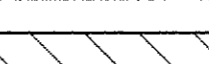


CRYSTAL SPRINGS ROAD

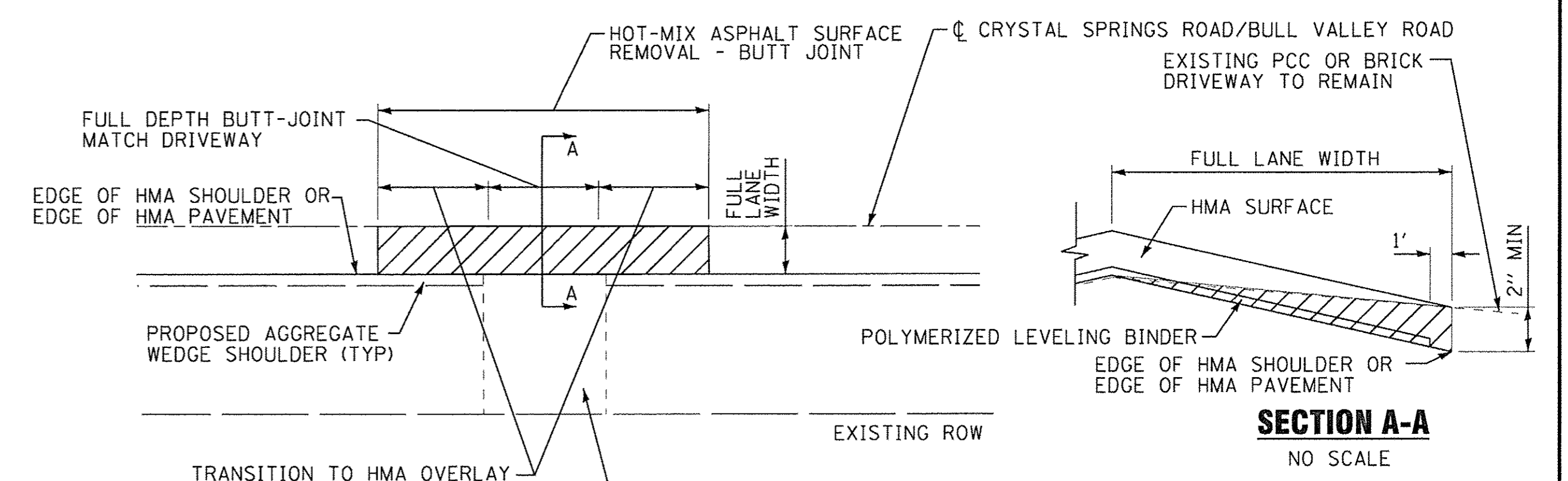
BULL VALLEY ROAD

MILLING DETAIL

NO SCALE

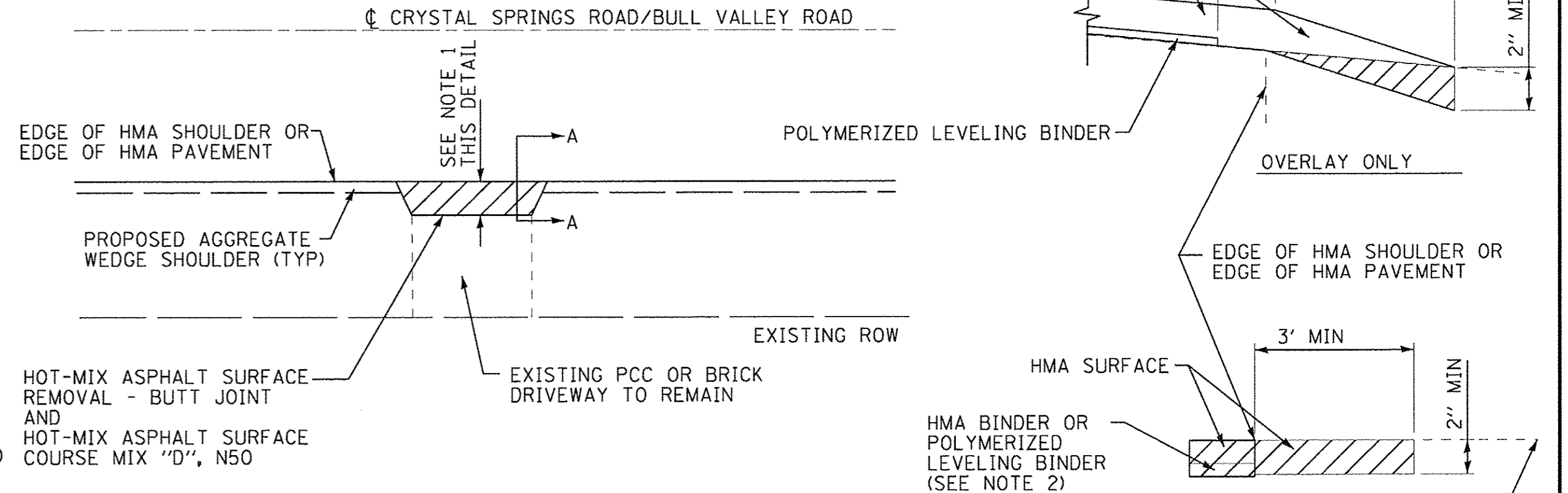
-  HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
-  POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50
-  HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
-  HOT-MIX ASPHALT SURFACE REMOVAL
-  EXISTING HOT-MIX ASPHALT PAVEMENT TO REMAIN

- NOTE: 1. WHEN TRANSITIONING FROM OVERLAY TO MILLING THE TRANSITION SHALL BE PAID FOR AS HMA SURFACE SURFACE REMOVAL OF THE DEPTH SPECIFIED.
2. WHEN TRANSITIONING FROM ONE MILLING DEPTH TO ANOTHER THE TRANSITION SHALL BE PAID FOR AS HMA SURFACE REMOVAL OF GREATER DEPTH.



PCC / BRICK DRIVEWAY ADJACENT TO HMA OVERLAY ONLY DETAIL

NO SCALE



HMA DRIVEWAY DETAIL

NO SCALE

- NOTE: 1. 3' MIN. WHEN MATCHING EXISTING HMA DRIVEWAY UNLESS OTHERWISE DIMENSIONED
 3' MIN. WHEN MATCHING EXISTING AGGREGATE DRIVEWAY UNLESS OTHERWISE DIMENSIONED
2. POLYMERIZED LEVELING BINDER SHALL STOP 1' SHORT OF EDGE OF PAVEMENT PER TYPICAL SECTIONS.

STATE OF ILLINOIS
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MISCELLANEOUS DETAILS

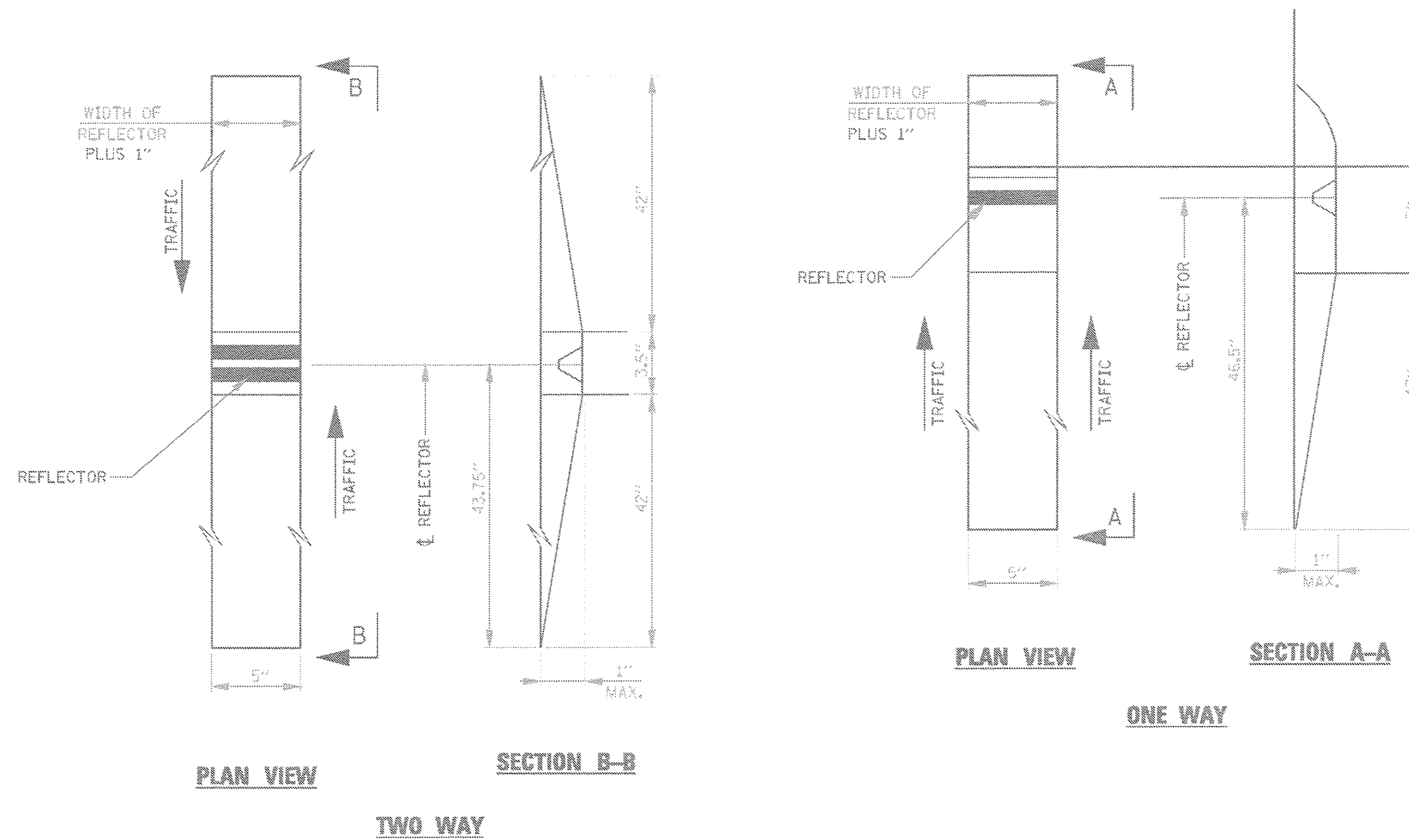
SCALE: NO SCALE STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	15-00007-00-RS	McHENRY	43	35

CONTRACT NO. 61D95
 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

BAXTER & WOODMAN
 Consulting Engineers

DESIGNED - MWP	REVISED -
DRAWN - KAR	REVISED -
CHECKED - MWP	REVISED -
DATE - 01-27-17	FILE - 140550SHT-MiscDets.dgn



RECESSED REFLECTIVE MARKERS

INSTALLATION NOTES:

1. SAWCUT IN DIMENSIONS SHOWN.
2. SAWCUT AREAS TO BE DRY AND FREE OF MATERIAL THAT ADVERSELY AFFECTS THE ADHESIVE BAND.
3. INSTALL THE REFLECTOR WITH AN APPROVED TWO-COMPONENT EPOXY ADHESIVE. EPOXY SHOULD NOT OBSCURE OR BLOCK THE LENS.
4. INSTALL TOP OF REFLECTOR 1/2 TO 1/4 INCH BELOW THE PAVEMENT SURFACE.
5. REFLECTOR SHALL BE 3M SERIES 290.

GENERAL NOTES:

1. INSTALLATION SHALL CONFORM TO DISTRICT 1 DETAIL TC-11 (OR LATEST) FOR MARKER PLACEMENT.
2. DISTRICT 1 DETAIL TC-11 SHALL BE MODIFIED TO REFLECT IN RECESSED PAVEMENT MARKERS INSTEAD OF RAISED PAVEMENT MARKERS.

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DRAWN - KAR	REVISED -
CHECKED - MWP	REVISED -
DATE - 01-27-17	FILE - 140550SHT-MiscDets.dgn

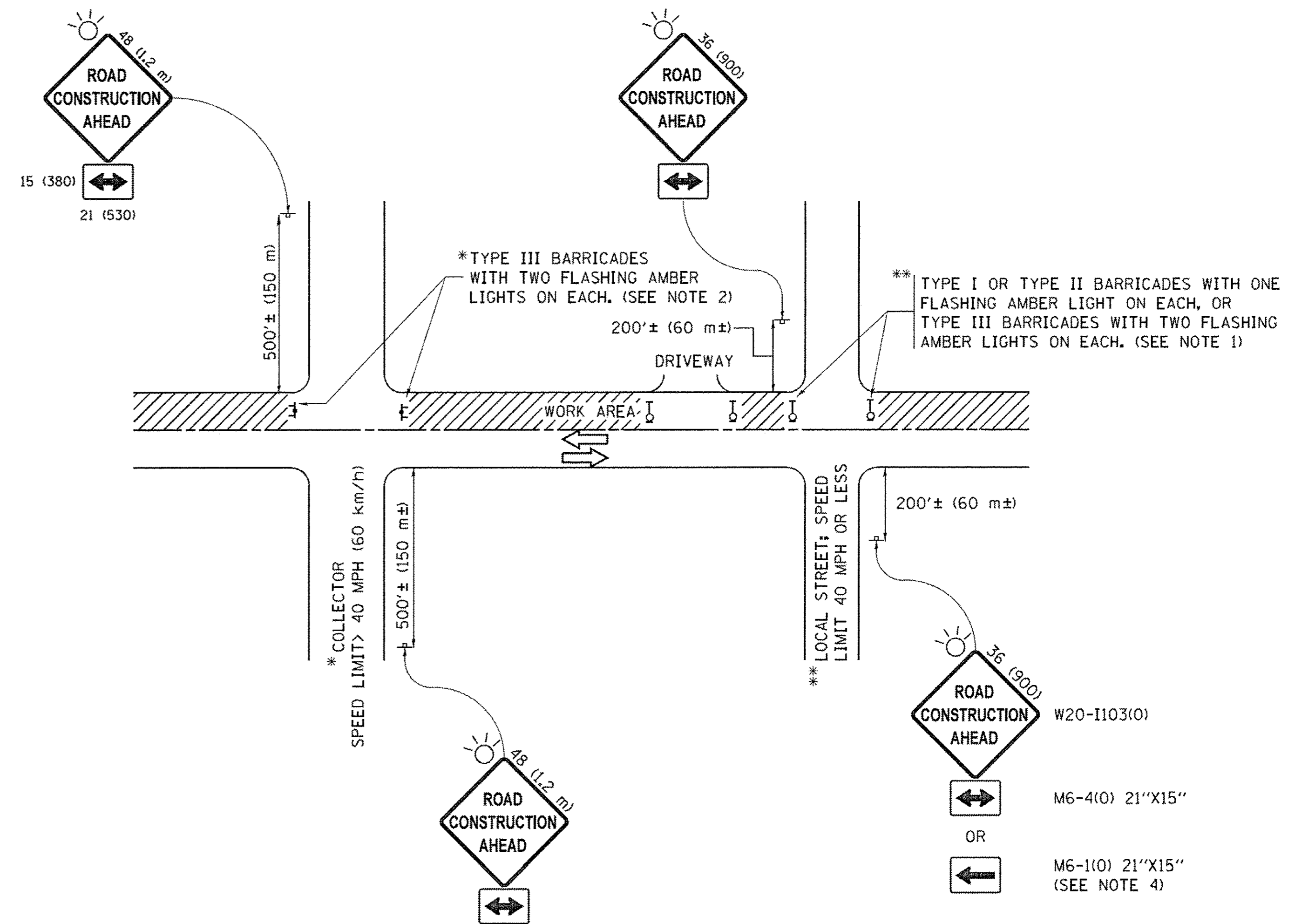
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MISCELLANEOUS DETAILS

SCALE: NO SCALE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	15-00007-00-RS	McHENRY	43	36
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D95	



NOTES:

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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FILE NAME =	USER NAME = footamj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
p:\IL04EBID\INTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\Dist...	DRAWN\CADD\ca\CAD\sheet\1\1.dgn	REVISED - T. RAMMACHER 01-06-00	
Default	PLDT DATE = 9/15/2016	CHECKED -	REVISED - A. SCHUETZE 07-01-13
		DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	15-00007-00-RS	McHENRY	43	39
TC-10			CONTRACT NO. 61095	
ILLINOIS FED. AID PROJECT				

