06-11-2021 LETTING ITEM 154

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	1
	ILLINOIS	CONTRACT NO. 60T15		

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENTS ARE LOCATED IN UNINCORPORATED NUNDA TOWNSHIP

TRAFFIC DATA – IL 176

FUNCTIONAL CLASSIFICATION: PRINCIPAL ARTERIAL
2017 ADT = 18,000
% TRUCKS = 6%
POSTED SPEED = 40 MPH
DESIGN SPEED = 40 MPH

TRAFFIC DATA – NISH RD

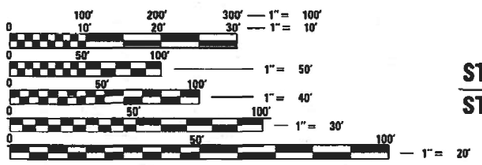
FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR (WEST LEG)
FUNCTIONAL CLASSIFICATION: LOCAL ROAD (EAST LEG)
2017 ADT = 900 (WEST LEG), 200 (EAST LEG)
% TRUCKS = 10%
POSTED SPEED = 35 MPH (WEST LEG), 25 MPH (EAST LEG)
DESIGN SPEED = 35 MPH (WEST LEG), 25 MPH (EAST LEG)

TRAFFIC DATA – WRIGHT RD

FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR
2017 ADT = 1,450
% TRUCKS = 3%
POSTED SPEED = 30 MPH
DESIGN SPEED = 20 MPH

TRAFFIC DATA – RIVERSIDE DRIVE

FUNCTIONAL CLASSIFICATION: LOCAL ROAD
2017 ADT = N/A
% TRUCKS = N/A
POSTED SPEED = 10 MPH
DESIGN SPEED = 10 MPH



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 EXCAVATORS
1–800–892–0123
OR 811

PROJECT ENGINEER: VESELIN VELICHKOV, PE (847)705–4432
PROJECT MANAGER: FAWAD AQUEEL, PE (847) 705–4247

CONTRACT NO. 60T15

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PROPOSED
HIGHWAY PLANS

FAP ROUTE 335: IL 176
AT NISH ROAD
SECTION: 146N–2
PROJECT: NHPP–EII8(902)
CHANNELIZATION, TRAFFIC SIGNAL INSTALLATION, DEMOLITION
McHENRY COUNTY

C–91–303–12

STA. 300+00.00 WRIGHT RD =
STA. 497+52.05 NISH RD

STA. 301+73.30 WRIGHT RD =
STA. 400+00.00 RIVERSIDE DR

END IMPROVEMENT (WRIGHT RD)
STA. 304+79.50

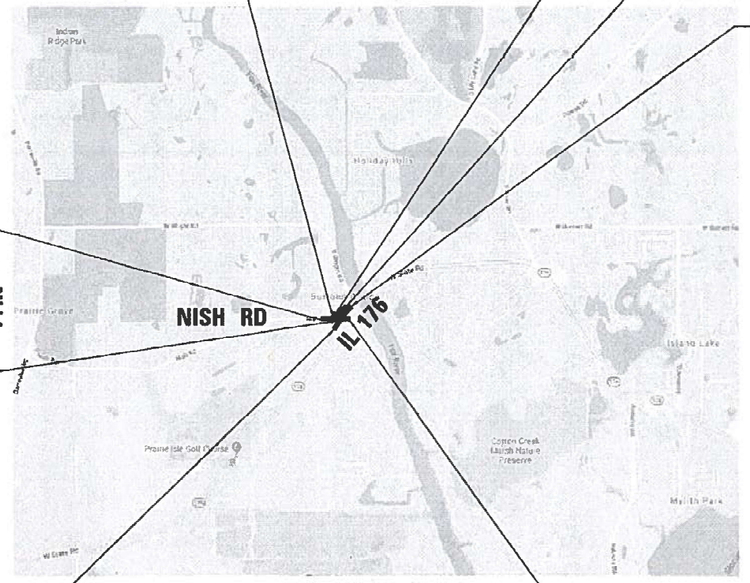
END IMPROVEMENT (IL 176)
STA. 227+20.00

BEGIN IMPROVEMENT (NISH RD)
STA. 493+26.86

STA. 222+69.16 IL 176 =
STA. 499+92.27 NISH RD

BEGIN IMPROVEMENT (IL 176)
STA. 217+92.86

END IMPROVEMENT (NISH RD)
STA. 502+41.77

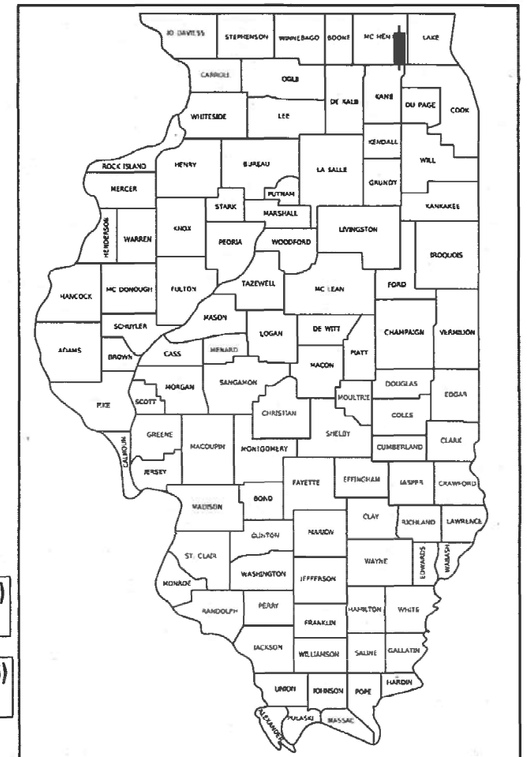


NUNDA TOWNSHIP

LOCATION MAP
NOT TO SCALE

GROSS LENGTH IL 176 = 920 FT. = 0.174 MILE
NET LENGTH IL 176 = 920 FT. = 0.174 MILE

D-91-303-12



LOCATION OF SECTION INDICATED THUS: –

RYAN GALL
062-064397
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

Signed:
Date: 01/15/2021
License Expires: 11/30/2021
The seal shown above is valid for Sheets 01-70, 77-93, and 109-135

EFK•Moen
Civil Engineering Design

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED February 9 20 21
Jose Rios | CMB
REGIONAL ENGINEER
May 7, 2021
ENGINEER OF DESIGN AND ENVIRONMENT
May 7, 2021
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2-3	INDEX, GENERAL NOTES, AND STANDARDS
4-19	SUMMARY OF QUANTITIES
20-25	TYPICAL SECTIONS
26-30	SCHEDULE OF QUANTITIES
31-33	ALIGNMENT, TIES, AND BENCHMARKS
34-36	ROADWAY REMOVAL PLAN
37-39	ROADWAY PLAN
40-41	MAINTENANCE OF TRAFFIC STAGING NOTES
42-46	STAGING TYPICAL SECTIONS
47-54	MAINTENANCE OF TRAFFIC PLANS
55	DETOUR MAP
56-62	EROSION CONTROL PLAN
63-64	EROSION CONTROL DETAILS
65-66	DRAINAGE SCHEDULE
67-70	DRAINAGE PLANS
71	SUE DETAILS
72-76	PLAT OF HIGHWAYS
77-80	INTERSECTION DETAILS AND ELEVATION
81-87	ADA RAMP DETAILS
88	PAVEMENT MARKING PLAN
89-92	SIGNING PLANS
93	LANDSCAPING PLAN
94-104	TRAFFIC SIGNAL PLANS
105-108	SOIL BORING LOGS
109	BD-01 DRIVEWAY DETAIL-DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER GREATER OR EQUAL TO 15"
110	BD-02 DRIVEWAY DETAIL-DISTANCE BETWEEN R.O.W. AND FACE OF CURB GREATER THAN 15"
111	BD-22 PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
112	BD-32 BUTT JOINT AND HMA TAPER DETAILS
113	BD-34 DETAILS FOR DEPRESSED CURB & GUTTER AND SHOULDER TREATMENT AT TBT TY.1 SPL.
114	BD-37 MANHOLE TYPE A 7 FT. DIAMETER
115	BD-51 BENCHING DETAIL FOR EMBANKMENT WIDENING
116	TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
117	TC-11 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
118	TC-13 D1 TYPICAL PAVEMENT MARKINGS
119	TC-16 SHORT-TERM PAVEMENT MARKING LETTERS AND SYMBOLS
120	TC-21 DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
121	TC-22 ARTERIAL ROAD INFORMATION SIGN
122	TC-26 DRIVEWAY ENTRANCE SIGNING
123-135	CROSS SECTIONS

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306-03	PRECAST REINFORCED CONDRETE ELLIPTICAL FLARED END SECTION
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAIN
602001-02	CATCH BASIN, TYPE A
602301-04	INLET, TYPE A
602306-03	INLET, TYPE B
602401-07	PRECAST MANHOLE, TYPE A, 4' DIAMETER
602402-03	PRECAST MANHOLE, TYPE A, 5' DIAMETER
602406-11	PRECAST MANHOLE, TYPE A 6' DIAMETER
602411-09	PRECAST MANHOLE, TYPE A, 7' DIAMETER
602416-09	PRECAST MANHOLE, TYPE A, 8' DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS TYPE 1
604041-03	FRAME AND GRATE, TYPE 9
604086-05	FRAME AND GRATE TYPE 23
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONRETE ISLANDS AND MEDIANS
606401-02	PAVED DITCH
630001-12	STEEL PLATE BEAM GUARDRAIL
630201-07	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
635001-02	DELINEATORS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS

HIGHWAY STANDARDS (CONT'D)

720011-01	METAL POSTS FOR SIGNS, MARKERS, AND DELINEATORS
720016-04	MAST ARM MOUNTED STREET NAME SIGNS
725001-01	OBJECT AND TERMINAL MARKERS
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782001-01	CURB REFLECTORS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
814001-03	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERUPTABLE POWER SUPPLY
873001-02	TRAFFIC SIGNAL GROUNDING AND BONDING
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-10	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNALS MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, NUNDA TOWNSHIP, THE NUNDA RURAL FIRE PROTECTION DISTRICT, AND MCHENRY COUNTY.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD, FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
6. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
7. THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, AREA TRAFFIC FIELD ENGINEER, AT WALTER.CZARNY@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
8. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
9. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
10. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
11. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
12. ALL PAVEMENT PATCHING LOCATIONS WILL BE AS DETERMINED IN THE FIELD BY THE ENGINEER AND AS SHOWN ON THE PLANS.

REV-SEP

MODEL: Default
FILE NAME: Z:\18039_20_ISTRI_&_30_(ROY)_IDOT_D1_PTB_187-006_WO20_IL_176-Nish_Road\DGN\Design\Prelim\Plotsheets\D160715-sht-gennote.dgn

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	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 2/5/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
GENERAL NOTES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	2
		CONTRACT NO. 60T15		
		ILLINOIS	FED. AID PROJECT	

GENERAL NOTES (CONT.)

13. COMED COMPANY WIRES ARE NOT INSULATED AND EXTRA CAUTION AND VIGILANCE MUST BE ADHERED TO WHEN WORKING AROUND THEM. CONTRACTORS SHOULD ALWAYS USE CAUTION IN OPERATING CRANES AND OR OTHER EQUIPMENT NEAR OVERHEAD ELECTRICAL FACILITIES. THE OCCUPATIONAL HEALTH AND SAFETY ORGANIZATION (OSHA) RULES REQUIRE THAT WORKERS AND EQUIPMENT SHALL NOT APPROACH WITHIN TEN (10) FEET AWAY OF OVERHEAD ELECTRICAL EQUIPMENT WITHOUT APPROPRIATE SUPPLEMENTAL PROTECTION. PLEASE BE CERTAIN THAT ALL WORKERS ON THIS PROJECT HAVE BEEN FULLY TRAINED AND CONFORM TO OSHA RULES AND OTHER APPLICABLE GUIDELINES REGARDING WORKING SAFELY AROUND ELECTRICAL POWER LINES.

14. 10 FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER ITEMS OF WORK TO EXISTING CURB AND GUTTER ITEMS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED LARGER ITEM OF SPECIFIED WORK.

15. THE CONTRACTOR SHALL MAINTAIN ALL ROADWAYS OPEN TO TRAFFIC AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS.

16. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED, ANY DAMAGE DONE TO THE EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S OWN EXPENSE.

17. THE CONTRACTOR SHALL NOT CROSS COMPLETED BASE COURSE OR EXISTING PAVEMENT, NOT SCHEDULED TO BE REMOVED, WITH TRACK EQUIPMENT OR LOADED SCRAPERS.

18. ALL EMBANKMENTS AND SUBGRADE SHALL BE COMPACTED TO THE SATISFACTION OF THE ENGINEER PRIOR TO PLACING AGGREGATE SUBGRADE OR SUBBASE GRANULAR MATERIAL.

19. HOT-MIX ASPHALT BASE COURSE SHALL NOT BE PLACED ADJACENT TO CURB AND GUTTER UNTIL THE CURB AND GUTTER HAS BEEN BACKFILLED TO THE SATISFACTION OF THE ENGINEER.

20. ALL CLEARING, REMOVAL OF BUSHES. HEDGES AND TREES UNDER SIX (6) INCHES IN DIAMETER SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION

21. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.

22. TEMPORARY PEDESTRIAN WALKWAYS INSTALLED AND MAINTAINED DURING CONSTRUCTION WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

23. THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.

24. WHEN THE 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 40 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH. WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H) OR A NOTCHED LONGITUDINAL WEDGE IS USED.

25. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE DISTRICT ONE DETAIL BD-32 "BUTT JOINTS AND HMA TAPER" INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

26. ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS, AND TIE BARS IN PAVEMENT, CURB, GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLANS.

27. DURING CONSTRUCTION, THE CONTRACTOR WILL BE REQUIRED AT HIS EXPENSE TO HAVE AVAILABLE A WATER TRUCK OR SIMILAR EQUIPMENT TO CONTROL DUST. IF NECESSARY, THE CONTRACTOR SHALL BE REQUIRED TO CONTROL DUST DURING NON-WORKING HOURS.

28. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED, AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

29. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

30. PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.

GENERAL NOTES (CONT.)

31. THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION II.G.1 AND 2 OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

DRAINAGE AND UTILITIES GENERAL NOTES

1. BEFORE ORDERING STORM SEWERS, CATCH BASINS, PIPE CULVERTS, PIPE DRAINS, MANHOLES, INLETS, AND SCUPPERS, THE CONTRACTOR SHALL REVIEW EXISTING FIELD CONDITIONS AND THE DRAINAGE SCHEDULES FOUND IN THE PLANS FOR THE EXACT LENGTH AND QUANTITY REQUIRED.

2. THE CONTRACTOR SHALL MAINTAIN THE SURFACE DRAINAGE OF ALL ROADWAYS DURING CONSTRUCTION OF THIS PROJECT. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS, INLETS, AND CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER, WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE SAME. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM ALL THESE TEMPORARY CONNECTIONS UNTIL INSTALLATION IS COMPLETE, INCLUDING PAVEMENT. THIS WORK SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT. COORDINATION WITH ALL AGENCIES INVOLVED IS REQUIRED.

3. THE LOCATION AND ELEVATION OF EXISTING UTILITIES ARE APPROXIMATE AND ARE PROVIDED BY THE OWNERS. THE EXACT LOCATIONS AND ELEVATIONS ARE TO BE VERIFIED BY THE CONTRACTOR THROUGH THE OWNERS OF THE UTILITIES.

4. DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE AS SHOWN ON THE PLANS AND AS DETERMINED IN THE FIELD BY THE ENGINEER.

5. EMBANKMENTS SHALL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER PRIOR TO EXCAVATION FOR STORM SEWER.

6. MANHOLES AND CATCH BASINS SHALL BE CONSTRUCTED WITH FLAT TOPS WHERE THE DIFFERENCE BETWEEN THE RIM ELEVATION AND INVERT ELEVATION IS LESS THAN SIX (6) FEET.

7. ALL ADJUSTMENTS OR RECONSTRUCTION'S SHALL INCLUDE THE REMOVAL AND REPLACEMENT, AT THE CONTRACTORS'S EXPENSE, OF ALL UNSUITABLE TWO (2) FOOT INSIDE DIAMETER ADJUSTING RINGS.

8. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

9. ALL FIELD TILES ENCOUNTERED SHALL BE CAREFULLY PRESERVED AND CONNECTED TO PROPOSED DRAINAGE STRUCTURES, SEWERS, OR DITCHES, AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR AT THE APPLICABLE CONTRACT UNIT PRICE OR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.

11. ADJUSTMENTS OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.

12. BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b, c) OF THE SSRBC WILL NOT BE ALLOWED.

13. THE STATION/ OFFSET/ ELEVATIONS NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE ADJACENT PROPOSED EDGE OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY FOR THE STRUCTURES TO SET THE FRAME AND GRATES IN THE PROPER LOCATION. ALL OTHER STRUCTURES ARE DIMENSIONED TO THE CENTER OF THE STRUCTURE: ELEVATION INDICATES RIM GRADES.

14. TRENCHES CROSSING TRAFFIC LANES SHALL BE TEMPORARILY PATCHED WITH FOUR (4) INCHES HOT-MIX ASPHALT BASE COURSE; THE COST OF THE HOT-MIX ASPHALT BASE COURSE WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE SEWER, CULVERT, WATERMAIN, OR OTHER ITEM PLACED IN THE TRENCH. THIS PRICE SHALL INCLUDE THE COST OF MAINTAINING THE PATCH TO THE SATISFACTION OF THE ENGINEER.

EROSION CONTROL AND LANDSCAPING GENERAL NOTES

1. DIRECT OR INDIRECT PUMPING OF SEDIMENT-LADEN WATER INTO A STORMWATER FACILITY WITHOUT FILTRATION IS PROHIBITED.

2. RUNOFF FROM EXCAVATED AREAS SHALL LEAVE THE SITE THROUGH SEDIMENT CONTROL DEVICES SHOWN IN IDOT STD. 280001-07, AND/OR NRCS DETAILS FROM THE MOST RECENT VERSION OF THE ILLINOIS URBAN MANUAL.

3. THE CONTRACTOR SHALL SURROUND ANY NECESSARY EARTH STOCKPILES WITH PERIMETER EROSION BARRIER.

4. ALL ESC MEASURES SHOULD BE CHECKED WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER. ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED AFTER EACH SNOWMELT.

5. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE.

6. ALL WASTE GENERATED AS A RESULT OF THE PROJECT INCLUDING DISCARDED BUILDING MATERIALS, CONCRETE TRUCK WASHOUT, CHEMICALS, LITTER, SANITARY WASTE, OR ANY OTHER WASTE SHALL BE PROPERLY DISPOSED OF AND BE PREVENTED FROM BEING CARRIED OFF THE SITE BY EITHER WIND OR WATER.

7. ALL EXPOSED IDLE EARTH, INCLUDING EARTH STOCKPILES, WILL BE SEEDED WITH TEMPORARY EROSION CONTROL SEEDING. THE APPLICATION RATE FOR TEMPORARY EROSION CONTROL SEEDING IS 100 POUNDS PER ACRE FOR THREE APPLICATIONS.

8. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS OF ACHIEVING PERMANENT SOIL STABILIZATION. TRAPPED SEDIMENT AND OTHER DISTURBED SOILS RESULTING FROM TEMPORARY MEASURES SHALL BE PROPERLY DISPOSED OF AND THE AREA PERMANENTLY STABILIZED.

9. ANY LOOSE MATERIAL DEPOSITION IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.

10. MULCH METHOD 2 SHOULD BE APPLIED TO SLOPES FOR TEMPORARY STABILIZATION PRIOR TO SEASONS WHEN TEMPORARY SEED WILL NOT GERMINATE, FOR EXAMPLE MID-JULY OR DURING WINTER.

11. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION FOUND ON THE CONSTRUCTION TAB AT: (http://www.idot.illinois.gov/transportation-system/environment/erosion-and-sediment-control).

12. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION

13. THE CONTRACTOR SHOULD PROVIDE TO THE RE A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THE USE OF A STABILIZED FLOW LINE BETWEEN THE INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT BEARING WATERS, ESPECIALLY WHEN RAIN IS FORCASTED, SO THAT FLOW WILL NOT ERODE. LACK OF AN APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.

14. A DEPARTMENT OF THE ARMY (DA) PERMIT IS NOT REQUIRED TO COMPLETE THE PROPOSED WORK. ANY UNPERMITTED DISCHARGE INTO AN AREA WITHIN THE JURISDICTION OF THE DA MAY RESULT IN CIVIL OR CIMINAL ENFORCEMENT UNDER THE CLEAN WATER ACT, 33 U.S.C. SEC. 1319.

15. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.

16. EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE RE.

COMMITMENTS

NONE.

MODEL: Default
FILE NAME: Z:\18039_20 (STR) & _30 (RDY) IDOT D1 PTB 187-006 W020 IL 176-Nish Rd\dDGN\Design\Preliminl\Plansheets\D1607T15-sht-gen-note.dgn

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
GENERAL NOTES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	3
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

					CONSTRUCTION CODE			
					80% FED / 20% STATE	80% FED / 10% STATE 10% TOWNSHIP	100% TOWNSHIP	80% STATE 20% TOWNSHIP
					ROADWAY	TRAFFIC SIGNALS	EVP	SIDEWALK
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0006	0021	0021	0021
					URBAN	URBAN	URBAN	URBAN
**	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	247	247			
**	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	408	408			
**	20101200	TREE ROOT PRUNING	EACH	10	10			
	20200100	EARTH EXCAVATION	CU YD	3660	3660			
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1840	1840			
	20400800	FURNISHED EXCAVATION	CU YD	425	425			
	20800150	TRENCH BACKFILL	CU YD	2196	2196			
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1051	1051			
	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	665	665			
**	25000210	SEEDING, CLASS 2A	ACRE	1.25	1.25			
**	25000314	SEEDING, CLASS 4B	ACRE	0.5	0.5			
**	25000324	SEEDING, CLASS 5B	ACRE	0.5	0.5			
**	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	115	115			
**	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	115	115			

* DENOTES SPECIAL PROVISION REQUIRED

** DENOTES SPECIALTY ITEM

REV-SEP

MODEL: Default
FILE NAME: Z:\18039.20 (STN) & .30 (RDY) IDOT D1 PTB 187-006 W020 IL 176-Nish Road\DGN\Design\Prelim\Plotsheets\D160T15-qnt-SQQ.dgn

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	4
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

					CONSTRUCTION CODE			
					80% FED / 20% STATE	80% FED / 10% STATE 10% TOWNSHIP	100% TOWNSHIP	80% STATE 20% TOWNSHIP
					ROADWAY	TRAFFIC SIGNALS	EVP	SIDEWALK
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0006	0021	0021	0021
					URBAN	URBAN	URBAN	URBAN
**	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	115	115			
**	25100115	MULCH, METHOD 2	ACRE	3	3			
**	25100630	EROSION CONTROL BLANKET	SQ YD	8,173	8,173			
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	856	856			
	28000305	TEMPORARY DITCH CHECKS	FOOT	520	520			
	28000400	PERIMETER EROSION BARRIER	FOOT	639	639			
	28000510	INLET FILTERS	EACH	27	27			
	28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	13779	13779			
*	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	515	515			
*	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	8020	8020			
	31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	976				976
	35501304	HOT-MIX ASPHALT BASE COURSE, 5"	SQ YD	422	422			
	35501306	HOT-MIX ASPHALT BASE COURSE, 5 1/2"	SQ YD	2588	2588			
	35501318	HOT-MIX ASPHALT BASE COURSE, 8 1/2"	SQ YD	852	852			

* DENOTES SPECIAL PROVISION REQUIRED

** DENOTES SPECIALTY ITEM

REV-SEP

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IL 176 AT NISH RD
SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	5
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

				CONSTRUCTION CODE			
				80% FED / 20% STATE	80% FED / 10% STATE 10% TOWNSHIP	100% TOWNSHIP	80% STATE 20% TOWNSHIP
				ROADWAY	TRAFFIC SIGNALS	EVP	SIDEWALK
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0006	0021	0021	0021
				URBAN	URBAN	URBAN	URBAN
35600670	HOT-MIX ASPHALT BASE COURSE WIDENING, 5"	SQ YD	177	177			
35600710	HOT-MIX ASPHALT BASE COURSE WIDENING, 8 1/2"	SQ YD	163	163			
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	7971	7971			
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	11	11			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	67	67			
40603090	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	229	229			
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	286	286			
40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	957	957			
42001300	PROTECTIVE COAT	SQ YD	1332	1332			
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	8766				8766
42400800	DETECTABLE WARNINGS	SQ FT	195				195
44000100	PAVEMENT REMOVAL	SQ YD	4454	4454			
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	6710	6710			
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	2475	2475			

* DENOTES SPECIAL PROVISION REQUIRED

** DENOTES SPECIALTY ITEM

REV-SEP

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	6
		CONTRACT NO. 60T15		
		ILLINOIS FED. AID PROJECT		

				CONSTRUCTION CODE			
				80% FED / 20% STATE	80% FED / 10% STATE 10% TOWNSHIP	100% TOWNSHIP	80% STATE 20% TOWNSHIP
				ROADWAY	TRAFFIC SIGNALS	EVP	SIDEWALK
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0006	0021	0021	0021
				URBAN	URBAN	URBAN	URBAN
44000300	CURB REMOVAL	FOOT	128	128			
44004000	PAVED DITCH REMOVAL	FOOT	70	70			
44004250	PAVED SHOULDER REMOVAL	SQ YD	609	609			
44201749	CLASS D PATCHES, TYPE I, 9 INCH	SQ YD	20	20			
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	20	20			
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	70	70			
44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	50	50			
44201798	CLASS D PATCHES, TYPE I, 13 INCH	SQ YD	21	21			
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	21	21			
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SQ YD	31	31			
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SQ YD	50	50			
44201883	CLASS D PATCHES, TYPE I, 20 INCH	SQ YD	12	12			
44201887	CLASS D PATCHES, TYPE II, 20 INCH	SQ YD	30	30			
44201891	CLASS D PATCHES, TYPE III, 20 INCH	SQ YD	59	59			

* DENOTES SPECIAL PROVISION REQUIRED

** DENOTES SPECIALTY ITEM

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FILE NAME: 22118039.20 (STR) & .30 (RDY) IDOT D1 PTB 187-006 W020 IL 176-Nish Road\DGN\Design\Prelim\Plansheets\D160T15-cnt-SQQ.dgn

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	7
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

				CONSTRUCTION CODE			
				80% FED / 20% STATE	80% FED / 10% STATE 10% TOWNSHIP	100% TOWNSHIP	80% STATE 20% TOWNSHIP
				ROADWAY	TRAFFIC SIGNALS	EVP	SIDEWALK
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0006 URBAN	0021 URBAN	0021 URBAN	0021 URBAN
44201893	CLASS D PATCHES, TYPE IV, 20 INCH	SQ YD	50	50			
48101620	AGGREGATE SHOULDERS, TYPE B 10"	SQ YD	29	29			
48203027	HOT-MIX ASPHALT SHOULDERS, 7 1/2"	SQ YD	1005	1005			
48203041	HOT-MIX ASPHALT SHOULDERS, 11"	SQ YD	1406	1406			
50104400	CONCRETE HEADWALL REMOVAL	EACH	2	2			
50105220	PIPE CULVERT REMOVAL	FOOT	1075	1075			
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	321	321			
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1			
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	15	15			
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	1	1			
54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	EACH	2	2			
54214521	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 36"	EACH	1	1			
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	95	95			
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	75	75			

* DENOTES SPECIAL PROVISION REQUIRED

** DENOTES SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	8
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

				CONSTRUCTION CODE			
				80% FED / 20% STATE	80% FED / 10% STATE 10% TOWNSHIP	100% TOWNSHIP	80% STATE 20% TOWNSHIP
				ROADWAY	TRAFFIC SIGNALS	EVP	SIDEWALK
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0006 URBAN	0021 URBAN	0021 URBAN	0021 URBAN
550A0180	STORM SEWERS, CLASS A, TYPE 1 42"	FOOT	106	106			
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	354	354			
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	95	95			
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	253	253			
550A0400	STORM SEWERS, CLASS A, TYPE 2 21"	FOOT	46	46			
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	389	389			
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	476	476			
550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	FOOT	398	398			
550A4500	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	FOOT	83	83			
550A5300	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 36"	FOOT	390	390			
55101200	STORM SEWER REMOVAL 24"	FOOT	172	172			
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	6	6			
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	123	123			
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	4060	4060			

* DENOTES SPECIAL PROVISION REQUIRED

** DENOTES SPECIALTY ITEM

MODEL: Default
FILE NAME: 22118039.20 (STR) & 30 (RDY) IDOT D1 PTB 187-006 W020 IL 176-Nish Road\DGN\Design\Prelim\Plansheets\D160T15-cnt-SQQ.dgn

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	9
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED / 20% STATE ROADWAY 0006 URBAN	80% FED / 10% STATE 10% TOWNSHIP TRAFFIC SIGNALS 0021 URBAN	100% TOWNSHIP EVP 0021 URBAN	80% STATE 20% TOWNSHIP SIDEWALK 0021 URBAN
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	3	3			
60201330	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	8	8			
60207605	CATCH BASIN, TYPE C, TYPE 8 GRATE	EACH	12	12			
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1			
60219530	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	2	2			
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3			
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	8	8			
60224439	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	2	2			
60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2			
60500040	REMOVING MANHOLES	EACH	1	1			
60500060	REMOVING INLETS	EACH	2	2			
60600605	CONCRETE CURB, TYPE B	FOOT	153	153			
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	693	693			
60608562	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12	FOOT	747	747			

* DENOTES SPECIAL PROVISION REQUIRED

** DENOTES SPECIALTY ITEM

MODEL: Default
FILE NAME: 22118039.20 (STR) & 30 (RDY) IDOT D1 PTB 187-006 W020 IL 176-Nish Road\DGN\Design\Pe#m\Plotsheets\D160T15-cnt-SOQ.dgn

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	10
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

					CONSTRUCTION CODE			
					80% FED / 20% STATE	80% FED / 10% STATE 10% TOWNSHIP	100% TOWNSHIP	80% STATE 20% TOWNSHIP
					ROADWAY	TRAFFIC SIGNALS	EVP	SIDEWALK
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0006	0021	0021	0021
					URBAN	URBAN	URBAN	URBAN
	60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	78	78			
**	63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	62.5	62.5			
**	63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1			
**	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1	1			
	63200310	GUARDRAIL REMOVAL	FOOT	434	434			
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1020	1020			
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	5	5			
* **	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1			
* **	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1			
* **	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	45	45			
*	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	24	24			
	67100100	MOBILIZATION	L SUM	1	1			
	67201000	SEALING ABANDONED WATER WELLS	EACH	1	1			
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	30	30			
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	450	390	60		

* DENOTES SPECIAL PROVISION REQUIRED

** DENOTES SPECIALTY ITEM

REV-SEP

MODEL: Default
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	11
		CONTRACT NO. 60T15		
		ILLINOIS FED. AID PROJECT		

				CONSTRUCTION CODE			
				80% FED / 20% STATE	80% FED / 10% STATE 10% TOWNSHIP	100% TOWNSHIP	80% STATE 20% TOWNSHIP
				ROADWAY	TRAFFIC SIGNALS	EVP	SIDEWALK
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0006	0021	0021	0021
				URBAN	URBAN	URBAN	URBAN
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4850	4850			
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1617	1617			
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	214	214			
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	13208	13208			
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1034	1034			
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	200	200			
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1285	1285			
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	224	224			
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	2072	2072			
* 70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	57779	57779			
* 70300912	PAVEMENT MARKING TAPE, TYPE IV 12"	FOOT	222	222			
* 70300924	PAVEMENT MARKING TAPE, TYPE IV 24"	FOOT	605	605			
70400100	TEMPORARY CONCRETE BARRIER	FOOT	900	900			
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	2750	2750			

* DENOTES SPECIAL PROVISION REQUIRED

** DENOTES SPECIALTY ITEM

MODEL: Default
FILE NAME: 22118039.20 (STH) & 30 (RDY) IDOT D1 PTB 187-006 W020 IL 176-Nish Road\DGN\Design\Prelim\Plotsheets\D160T15-cnt-SOQ.dgn

USER NAME = RCall	DESIGNED - RG	REVISED -	
	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 3/15/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	12
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				80% FED / 20% STATE	80% FED / 10% STATE 10% TOWNSHIP	100% TOWNSHIP	80% STATE 20% TOWNSHIP
				ROADWAY	TRAFFIC SIGNALS	EVP	SIDEWALK
				0006	0021	0021	0021
				URBAN	URBAN	URBAN	URBAN
70600255	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	4	4			
70600265	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, WIDE), TEST LEVEL 2	EACH	1	1			
70600322	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	10	10			
72000100	SIGN PANEL - TYPE 1	SQ FT	146	120	26		
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	3	3			
72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	3	3			
72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	46	46			
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	4	4			
72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	2	2			
72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	65	65			
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2			
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	10	10			
72900100	METAL POST - TYPE A	FOOT	307	307			
72900200	METAL POST - TYPE B	FOOT	51	51			

* DENOTES SPECIAL PROVISION REQUIRED

** DENOTES SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	13
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

					CONSTRUCTION CODE			
					80% FED / 20% STATE	80% FED / 10% STATE 10% TOWNSHIP	100% TOWNSHIP	80% STATE 20% TOWNSHIP
					ROADWAY	TRAFFIC SIGNALS	EVP	SIDEWALK
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0006	0021	0021	0021
					URBAN	URBAN	URBAN	URBAN
	73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	1	1			
**	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	214	214			
**	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	12355	12355			
**	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1034	1034			
**	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	200	200			
**	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1254	1254			
**	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	178	178			
**	78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	226	226			
**	78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	31	31			
**	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	53	53			
	78100200	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	EACH	336	336			
**	78100300	REPLACEMENT REFLECTOR	EACH	20	20			
**	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	8	8			
**	78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	72	72			

* DENOTES SPECIAL PROVISION REQUIRED

** DENOTES SPECIALTY ITEM

REV-SEP

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	14
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

					CONSTRUCTION CODE			
					80% FED / 20% STATE	80% FED / 10% STATE 10% TOWNSHIP	100% TOWNSHIP	80% STATE 20% TOWNSHIP
					ROADWAY	TRAFFIC SIGNALS	EVP	SIDEWALK
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0006	0021	0021	0021
					URBAN	URBAN	URBAN	URBAN
	78200020	CURB REFLECTORS	EACH	12	12			
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	380	380			
**	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1084		1084		
**	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	205		205		
**	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	444		444		
**	81400100	HANDHOLE	EACH	3		3		
**	81400200	HEAVY-DUTY HANDHOLE	EACH	3		3		
**	81400300	DOUBLE HANDHOLE	EACH	2		2		
**	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1419		1419		
**	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1877		1877		
**	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1925		1925		
**	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1280		1280		
**	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1235		1235		
**	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	317		317		

* DENOTES SPECIAL PROVISION REQUIRED

** DENOTES SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	15
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

					CONSTRUCTION CODE			
					80% FED / 20% STATE	80% FED / 10% STATE 10% TOWNSHIP	100% TOWNSHIP	80% STATE 20% TOWNSHIP
					ROADWAY	TRAFFIC SIGNALS	EVP	SIDEWALK
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0006	0021	0021	0021
					URBAN	URBAN	URBAN	URBAN
**	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1022		1022		
**	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4		4		
**	87700160	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1		1		
**	87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1		1		
**	87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1		1		
**	87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1		1		
**	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20		20		
**	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4		
**	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	13		13		
**	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	43		43		
**	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	5		5		
**	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5		5		
**	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3		3		
**	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3		3		

* DENOTES SPECIAL PROVISION REQUIRED

** DENOTES SPECIALTY ITEM

MODEL: Default
FILE NAME: 22118039.20 (STN) & .30 (RDY) IDOT D1 PTB 187-006 W020 IL 176-Nish Road\DGN\Design\Prelim\Plotsheets\D160T15-ent-SQQ.dgn

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	16
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

					CONSTRUCTION CODE			
					80% FED / 20% STATE	80% FED / 10% STATE 10% TOWNSHIP	100% TOWNSHIP	80% STATE 20% TOWNSHIP
					ROADWAY	TRAFFIC SIGNALS	EVP	SIDEWALK
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0006	0021	0021	0021
					URBAN	URBAN	URBAN	URBAN
**	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8		8		
**	88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8		8		
**	88500100	INDUCTIVE LOOP DETECTOR	EACH	4		4		
**	88600100	DETECTOR LOOP, TYPE I	FOOT	246		246		
**	88700200	LIGHT DETECTOR	EACH	2			2	
**	88700300	LIGHT DETECTOR AMPLIFIER	EACH	1			1	
**	88800100	PEDESTRIAN PUSH-BUTTON	EACH	8		8		
**	A2002916	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	6	6			
**	A2006520	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	5	5			
**	B2001466	TREE, CORNUS MAS (CORNELIAN CHERRY DOG WOOD), 6' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	3	3			
**	C2000436	SHRUB, ARONIA ARBUTIFOLIA BRILLIANT ISSIMA (BRILLANT RED CHOKEBERRY), 3' HEIGHT, BALLED AND BURLAPPED	EACH	24	24			
**	C2003348	SHRUB, HAMAMELIS VIRGINIANA (COMMON WITCHHAZEL), 4' HEIGHT, BALLED AND BURLAPPED	EACH	15	15			
* **	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	406			406	
*	X0327547	ABANDON EXISTING UTILITIES	L SUM	1	1			

* DENOTES SPECIAL PROVISION REQUIRED

** DENOTES SPECIALTY ITEM

REV-SEP

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	17
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: 22188039.20 (STR) & .30 (RDY) IDOT D1 PTB 187-006 W020 IL 176-Nish Road\DGN\Design\Prelim\Plansheets\D160T15-cnt-SOQ.dgn

					CONSTRUCTION CODE			
					80% FED / 20% STATE	80% FED / 10% STATE 10% TOWNSHIP	100% TOWNSHIP	80% STATE 20% TOWNSHIP
					ROADWAY	TRAFFIC SIGNALS	EVP	SIDEWALK
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0006	0021	0021	0021
					URBAN	URBAN	URBAN	URBAN
	78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	2119	2119			
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	975	975			
*	X0488100	REMOVING EXISTING SEPTIC TANK	EACH	1	1			
* **	X1400107	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET	EACH	1		1		
* **	X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1		1		
* **	X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2		2		
* **	X1400388	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2		2		
*	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	11	11			
*	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	10	10			
*	X5011100	FOUNDATION REMOVAL	EACH	1	1			
*	X6061460	PAVED DITCH (SPECIAL)	FOOT	30	30			
*	X6690103	ABOVEGROUND STORAGE TANK REMOVAL	EACH	1	1			
*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1			
*	X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	28174	28174			

* DENOTES SPECIAL PROVISION REQUIRED

** DENOTES SPECIALTY ITEM

REV-SEP

MODEL: Default
FILE NAME: Z:\18039-20 IS"RI & 30 (ROY IDOT D1 PTB 187-006 WO70 IL 176-Nish Road\DGN\Design\Prelim\Patchness\D160T15-sht-SOQ.dgn

USER NAME = RGall	DESIGNED - RG	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	18
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

					CONSTRUCTION CODE			
					80% FED / 20% STATE	80% FED / 10% STATE 10% TOWNSHIP	100% TOWNSHIP	80% STATE 20% TOWNSHIP
					ROADWAY	TRAFFIC SIGNALS	EVP	SIDEWALK
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0006	0021	0021	0021
					URBAN	URBAN	URBAN	URBAN
*	X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	180	180			
*	X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	20	20			
* **	X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1		1		
* **	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8		8		
*	Z0004530	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"	SQ YD	378	378			
*	Z0004538	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"	SQ YD	1026	1026			
*	Z0007601	BUILDING REMOVAL NO. 1	L SUM	1	1			
*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
*	Z0015500	DEBRIS REMOVAL	L SUM	1	1			
*	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	221	221			
*	Z0049901	REMOVAL AND DISPOSAL OF NON-FRIABLE ASBESTOS, BUILDING NO. 1	L SUM	1	1			
*	Z0055905	TEMPORARY CONSTRUCTION FENCE	FOOT	542	542			
*	Z0062456	TEMPORARY PAVEMENT	SQ YD	748	748			

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	19
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
PAVEMENT WIDENING AND RESURFACING - IL 176		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 1-3/4"	4.0% AT 70 GYR	QC/QA
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"	3.5% AT 50 GYR	QC/QA
**** HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, VARIES	4.0% AT 70 GYR	QC/QA
*** HOT-MIX ASPHALT BASE COURSE 8-1/2" (HOT-MIX ASPHALT BINDER IL-19.0)	4.0% AT 70 GYR	QC/QA
** HOT-MIX ASPHALT BASE COURSE WIDENING 8-1/2" (HOT-MIX ASPHALT BINDER IL-19.0)	4.0% AT 70 GYR	QC/QA
PAVEMENT WIDENING AND RESURFACING - NISH RD (WEST LEG)		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 1-3/4"	4.0% AT 70 GYR	QC/QA
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"	3.5% AT 50 GYR	QC/QA
*** HOT-MIX ASPHALT BASE COURSE, 5" (HOT-MIX ASPHALT BINDER IL-19.0)	4.0% AT 70 GYR	QC/QA
** HOT-MIX ASPHALT BASE COURSE WIDENING, 5" (HOT-MIX ASPHALT BINDER IL-19.0)	4.0% AT 70 GYR	QC/QA
PAVEMENT RECONSTRUCTION - WRIGHT RD / NISH RD (EAST LEG)		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 2"	4.0% AT 70 GYR	QC/QA
HOT-MIX ASPHALT BASE COURSE, 5-1/2" (HOT-MIX ASPHALT BINDER IL-19.0)	4.0% AT 70 GYR	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)		

* HOT-MIX ASPHALT BASE COURSE SHALL BE CONSTRUCTED TO MEET EXISTING GRADE PRIOR TO MILLING AND RESURFACING OPERATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT. THE FINAL THICKNESS OF HOT-MIX ASPHALT COURSE WILL BE REDUCED WHEN MILLING PRIOR TO RESURFACING.

** WIDENING OF SIX FEET OR LESS SHALL BE PAID FOR AS HOT-MIX ASPHALT BASE COURSE WIDENING, OF THE THICKNESS SPECIFIED.

*** WIDENING GREATER THAN SIX FEET SHALL BE PAID FOR AS HOT-MIX ASPHALT BASE COURSE, OF THE THICKNESS SPECIFIED.

**** HOT-MIX ASPHALT BINDER COURSE, IL-19.0 TO BE USED AS NEEDED AT RESURFACING LOCATIONS THROUGH INTERSECTIONS TO CORRECT EXISTING SUPERELEVATION AND CROSS-SLOPES. SEE INTERSECTION DETAILS AND ELEVATION PLANS.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
HOT-MIX ASPHALT SHOULDER, 11"		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1-3/4"	4.0% AT 70 GYR	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 9-1/4"	4.0% AT 70 GYR	QC/QA
HOT-MIX ASPHALT SHOULDER, 7-1/2"		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 2"	4.0% AT 70 GYR	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 5-1/2"	4.0% AT 70 GYR	QC/QA
HMA DRIVEWAY PAVEMENT, 8"		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"	4.0% AT 50 GYR	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 6"	4.0% AT 50 GYR	QC/QA
HMA DRIVEWAY PAVEMENT, 10"		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"	4.0% AT 50 GYR	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8"	4.0% AT 50 GYR	QC/QA
TEMPORARY PAVEMENT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL 9.5, N70, 2"	4.0% AT 70 GYR	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 8"	4.0% AT 70 GYR	QC/QA
PATCHING		
CLASS D PATCH (HMA BINDER IL-19.0)	4.0% AT 70 GYR	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)		

NOTES:

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LB/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 SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

THE CONTRACTOR HAS THE OPTION TO USE PC TEMPORARY PAVEMENT. PC CONCRETE TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS; PAVEMENT SHALL BE 10" THICK.

TEMPORARY PAVEMENT DOES NOT REQUIRE DOWEL BAR.

ALL TEMPORARY PAVEMENT SHALL BE PROVIDED OVER AGGREGATE SUBGRADE IMPROVEMENT 12"

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	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 4/23/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
TYPICAL SECTIONS – HOT–MIX ASPHALT MIXTURE REQUIREMENTS

SCALE: NO SCALE | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	20
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

EXISTING LEGEND:

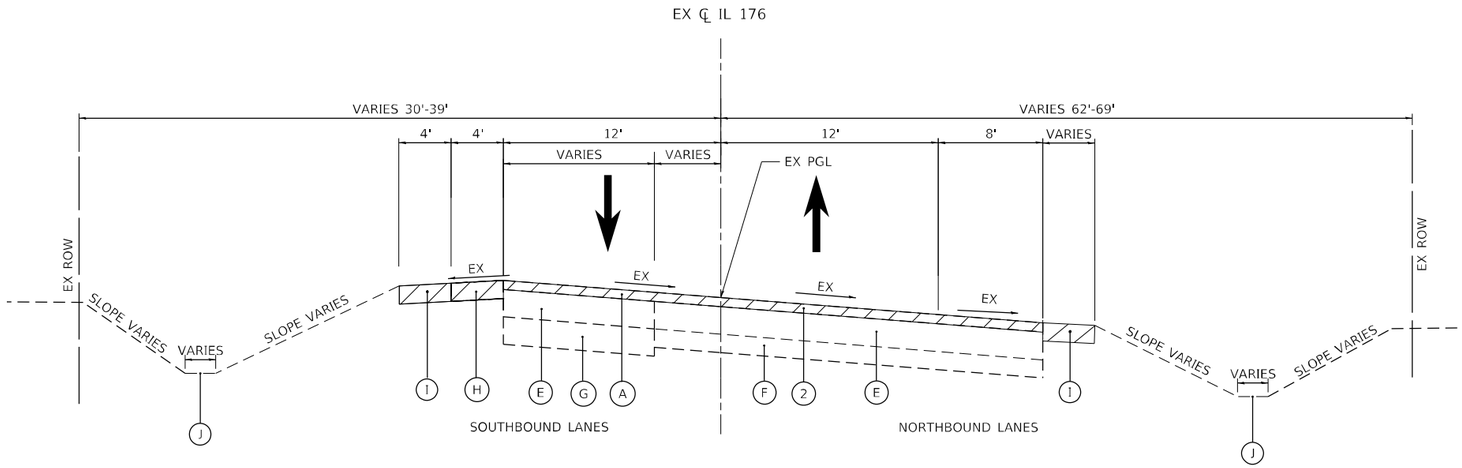
- (A) EX HOT-MIX ASPHALT SURFACE AND BINDER COURSE, 2 ½"
- (B) EX HOT-MIX ASPHALT SURFACE AND BINDER COURSE, 3 ½"
- (C) EX HOT-MIX ASPHALT SURFACE AND BINDER COURSE, VARIES 4 ½" TO 5 ½"
- (D) EX HOT-MIX ASPHALT BASE COURSE, VARIES 5" TO 8"
- (E) EX HOT-MIX ASPHALT BASE COURSE, VARIES 4 ½" TO 10 ½"
- (F) EX PORTLAND CEMENT CONCRETE BASE COURSE, 9 ¾"
- (G) EX AGGREGATE SUBGRADE, 12"
- (H) EX HOT-MIX ASPHALT SHOULDERS, VARIES 9¼" TO 11"
- (I) EX AGGREGATE SHOULDERS, 8"
- (J) EX DITCH
- (K) EX GUARDRAIL
- DENOTES REMOVAL ITEM

PROPOSED LEGEND:

- (1) NOT USED
- (2) PR HOT-MIX ASPHALT SURFACE REMOVAL, 2 ½"
- (3) PR POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 1 ¾"
- (4) PR POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 2"
- (5) NOT USED
- (6) PR POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, ¾"
- (7) PR HOT-MIX ASPHALT BASE COURSE, 5" (SEE NOTES 2, 3, & 4)
- (8) PR HOT-MIX ASPHALT BASE COURSE, 5 ½"
- (9) PR HOT-MIX ASPHALT BASE COURSE, 8 ½" (SEE NOTES 2, 3, & 4)
- (10) PR HOT-MIX ASPHALT SHOULDERS, 7 ½"
- (11) PR HOT-MIX ASPHALT SHOULDERS, 11"
- (12) PR AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (13) PR PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (14) PR SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (15) PR COMBINATION CURB AND GUTTER, TYPE M 4.12
- (16) PR COMBINATION CURB AND GUTTER, TYPE B 6.12
- (17) PR STEEL PLATE BEAM GUARDRAIL, TYPE A, 9' POSTS
- (18) PR PIPE UNDERDRAIN, TYPE 2, 4"
- (19) PR LANDSCAPING (SEE LANDSCAPING PLANS)

NOTES

1. CONTRACTOR SHALL MILL FIRST BEFORE PATCHING
2. HOT-MIX ASPHALT BASE COURSE SHALL BE CONSTRUCTED TO MEET EXISTING GRADE PRIOR TO MILLING AND RESURFACING OPERATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT. THE FINAL THICKNESS OF HOT-MIX ASPHALT COURSE WILL BE REDUCED WHEN MILLED PRIOR TO RESURFACING.
3. WIDENING OF SIX FEET OR LESS SHALL BE PAID FOR AS HOT-MIX BASE COURSE WIDENING, OF THE THICKNESS SPECIFIED.
4. WIDENING GREATER THAN SIX FEET SHALL BE PAID FOR AS HOT-MIX ASPHALT BASE COURSE, OF THE THICKNESS SPECIFIED.

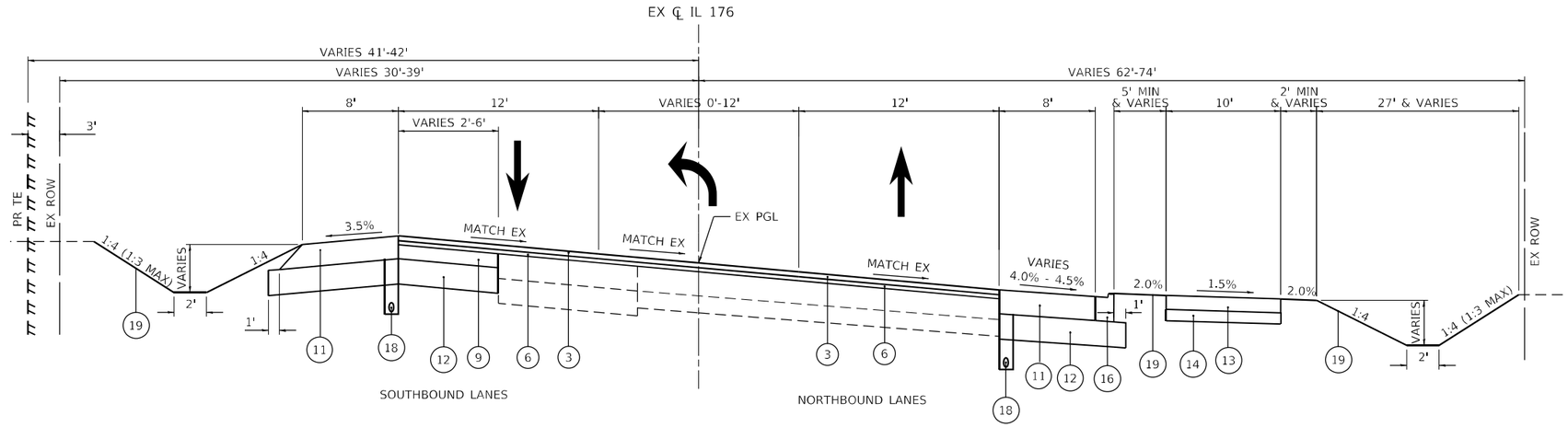


EXISTING IL 176 – SOUTH LEG TYPICAL SECTION

STA. 217+92.73 TO STA. 220+87.03

INTERSECTION OMISSION

220+87.03 - 224+04.91



PROPOSED IL 176 – SOUTH LEG TYPICAL SECTION

STA. 217+92.73 TO STA. 220+87.03

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	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 2/5/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

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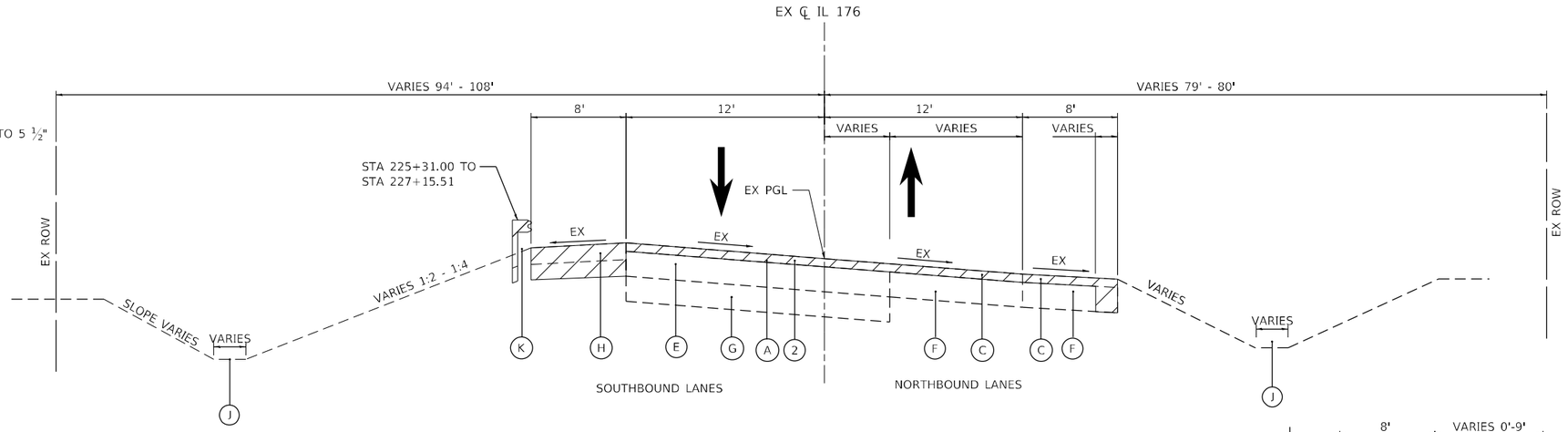
- (A) EX HOT-MIX ASPHALT SURFACE AND BINDER COURSE, 2 ½"
- (B) EX HOT-MIX ASPHALT SURFACE AND BINDER COURSE, 3 ½"
- (C) EX HOT-MIX ASPHALT SURFACE AND BINDER COURSE, VARIES 4 ½" TO 5 ½"
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- (E) EX HOT-MIX ASPHALT BASE COURSE, VARIES 4 ½" TO 10 ½"
- (F) EX PORTLAND CEMENT CONCRETE BASE COURSE, 9 ¾"
- (G) EX AGGREGATE SUBGRADE, 12"
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- (J) EX AGGREGATE SHOULDERS, 8"
- (J) EX DITCH
- (K) EX GUARDRAIL
- DENOTES REMOVAL ITEM

PROPOSED LEGEND:

- (1) NOT USED
- (2) PR HOT-MIX ASPHALT SURFACE REMOVAL, 2 ½"
- (3) PR POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 1 ¾"
- (4) PR POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 2"
- (5) NOT USED
- (6) PR POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, ¾"
- (7) PR HOT-MIX ASPHALT BASE COURSE, 5" (SEE NOTES 2, 3, & 4)
- (8) PR HOT-MIX ASPHALT BASE COURSE, 5 ½"
- (9) PR HOT-MIX ASPHALT BASE COURSE, 8 ½" (SEE NOTES 2, 3, & 4)
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- (13) PR PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (14) PR SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (15) PR COMBINATION CURB AND GUTTER, TYPE M 4.12
- (16) PR COMBINATION CURB AND GUTTER, TYPE B 6.12
- (17) PR STEEL PLATE BEAM GUARDRAIL, TYPE A, 9' POSTS
- (18) PR PIPE UNDERDRAIN, TYPE 2, 4"
- (19) PR LANDSCAPING (SEE LANDSCAPING PLANS)

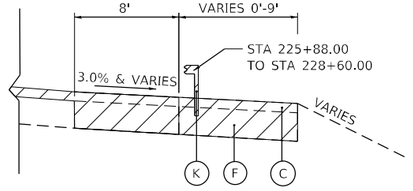
NOTES

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3. WIDENING OF SIX FEET OR LESS SHALL BE PAID FOR AS HOT-MIX BASE COURSE WIDENING, OF THE THICKNESS SPECIFIED.
4. WIDENING GREATER THAN SIX FEET SHALL BE PAID FOR AS HOT-MIX ASPHALT BASE COURSE, OF THE THICKNESS SPECIFIED.



EXISTING IL 176 – NORTH LEG TYPICAL SECTION

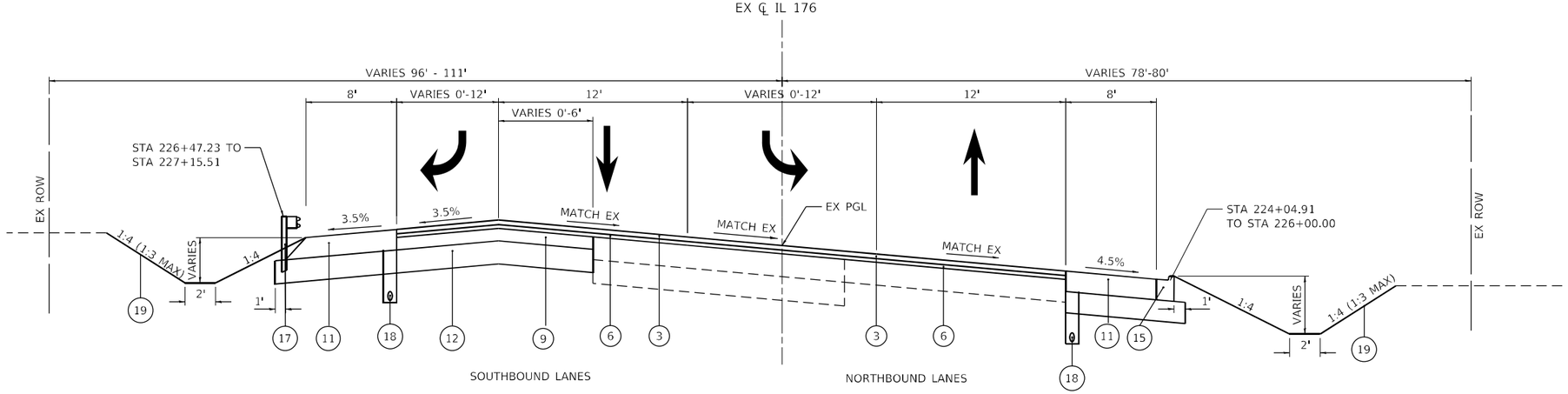
STA. 224+04.91 TO STA. 227+20.00



STA. 226+00.00 TO STA. 227+20.00

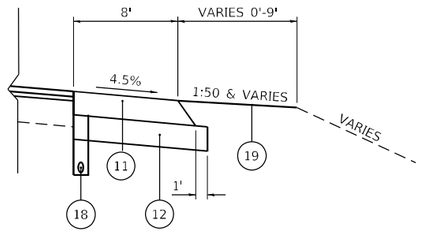
INTERSECTION OMISSION

220+87.03 - 224+04.91



PROPOSED IL 176 – NORTH LEG TYPICAL SECTION

STA. 224+04.91 TO STA. 227+20.00



STA. 226+00.00 TO STA. 227+15.51

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	DRAWN - CS	REVISED -	
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PLOT DATE = 2/5/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	22
		CONTRACT NO. 60T15		
		ILLINOIS	FED. AID PROJECT	

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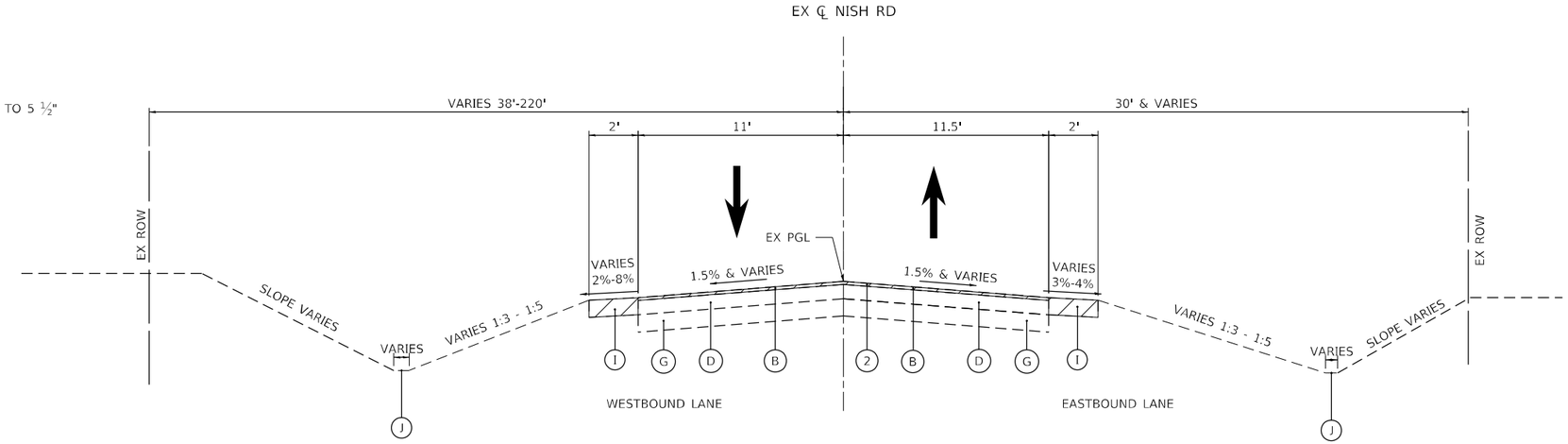
- (A) EX HOT-MIX ASPHALT SURFACE AND BINDER COURSE, 2 ½"
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- (C) EX HOT-MIX ASPHALT SURFACE AND BINDER COURSE, VARIES 4 ½" TO 5 ½"
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- (G) EX AGGREGATE SUBGRADE, 12"
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- (J) EX DITCH
- (K) EX GUARDRAIL
- DENOTES REMOVAL ITEM

PROPOSED LEGEND:

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- (2) PR HOT-MIX ASPHALT SURFACE REMOVAL, 2 ½"
- (3) PR POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 1 ¾"
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- (17) PR STEEL PLATE BEAM GUARDRAIL, TYPE A, 9' POSTS
- (18) PR PIPE UNDERDRAIN, TYPE 2, 4"
- (19) PR LANDSCAPING (SEE LANDSCAPING PLANS)

NOTES

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4. WIDENING GREATER THAN SIX FEET SHALL BE PAID FOR AS HOT-MIX ASPHALT BASE COURSE, OF THE THICKNESS SPECIFIED.

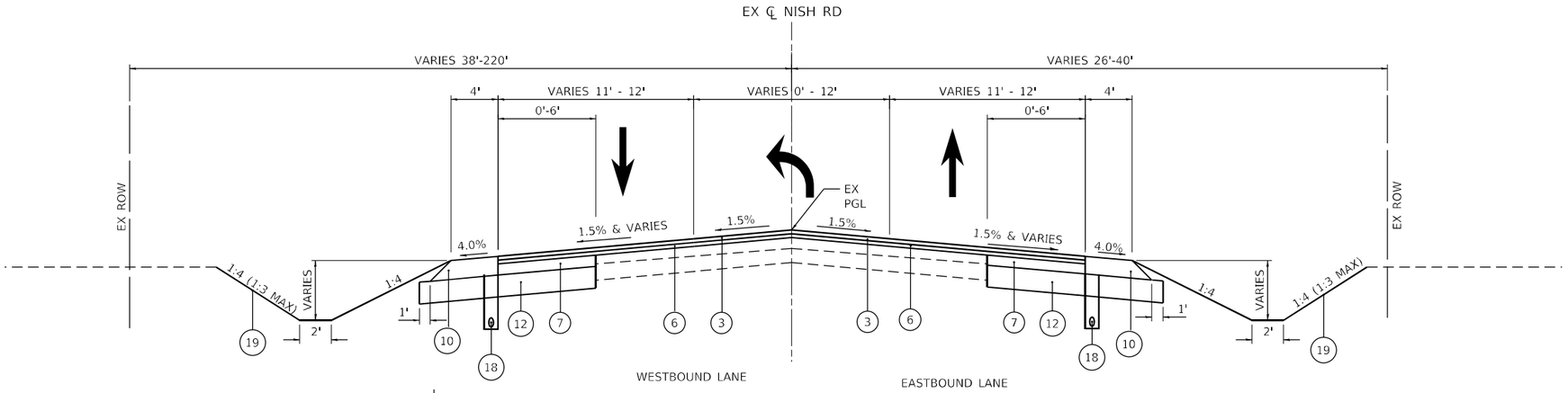


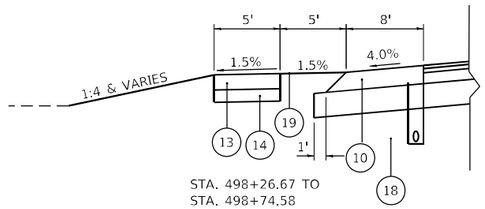
EXISTING NISH RD – WEST LEG TYPICAL SECTION

STA. 493+26.86 TO STA. 498+74.58

INTERSECTION OMISSION

498+74.58 - 501+06.94

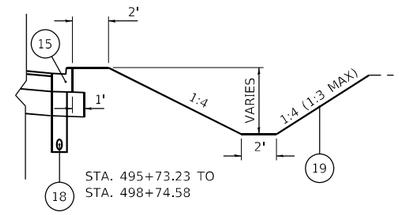




STA. 498+26.67 TO
STA. 498+74.58

PROPOSED NISH RD – WEST LEG TYPICAL SECTION

STA. 493+25.00 TO STA. 498+74.58



STA. 495+73.23 TO
STA. 498+74.58

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	DRAWN - CS	REVISED -	
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PLOT DATE = 4/23/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

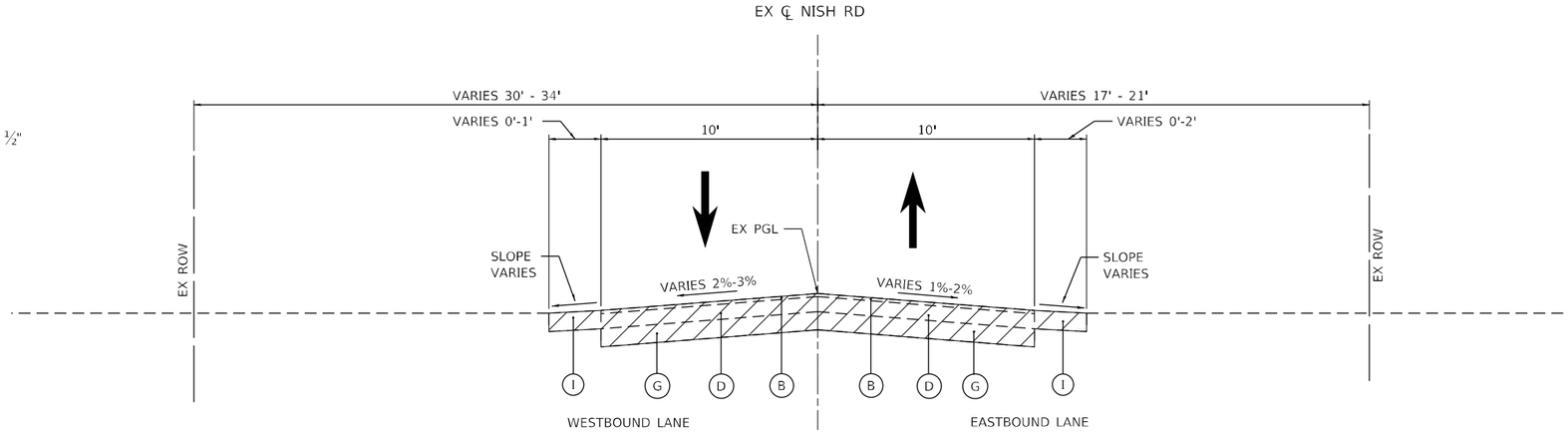
IL 176 AT NISH RD
TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	23
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

EXISTING LEGEND:

- (A) EX HOT-MIX ASPHALT SURFACE AND BINDER COURSE, 2 ½"
- (B) EX HOT-MIX ASPHALT SURFACE AND BINDER COURSE, 3 ½"
- (C) EX HOT-MIX ASPHALT SURFACE AND BINDER COURSE, VARIES 4 ½" TO 5 ½"
- (D) EX HOT-MIX ASPHALT BASE COURSE, VARIES 5" TO 8"
- (E) EX HOT-MIX ASPHALT BASE COURSE, VARIES 4 ½" TO 10 ½"
- (F) EX PORTLAND CEMENT CONCRETE BASE COURSE, 9 ¾"
- (G) EX AGGREGATE SUBGRADE, 12"
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- (I) EX AGGREGATE SHOULDERS, 8"
- (J) EX DITCH
- (K) EX GUARDRAIL
- DENOTES REMOVAL ITEM



EXISTING NISH RD – EAST LEG TYPICAL SECTION

STA. 501+06.94 TO STA. 502+41.77

INTERSECTION OMISSION

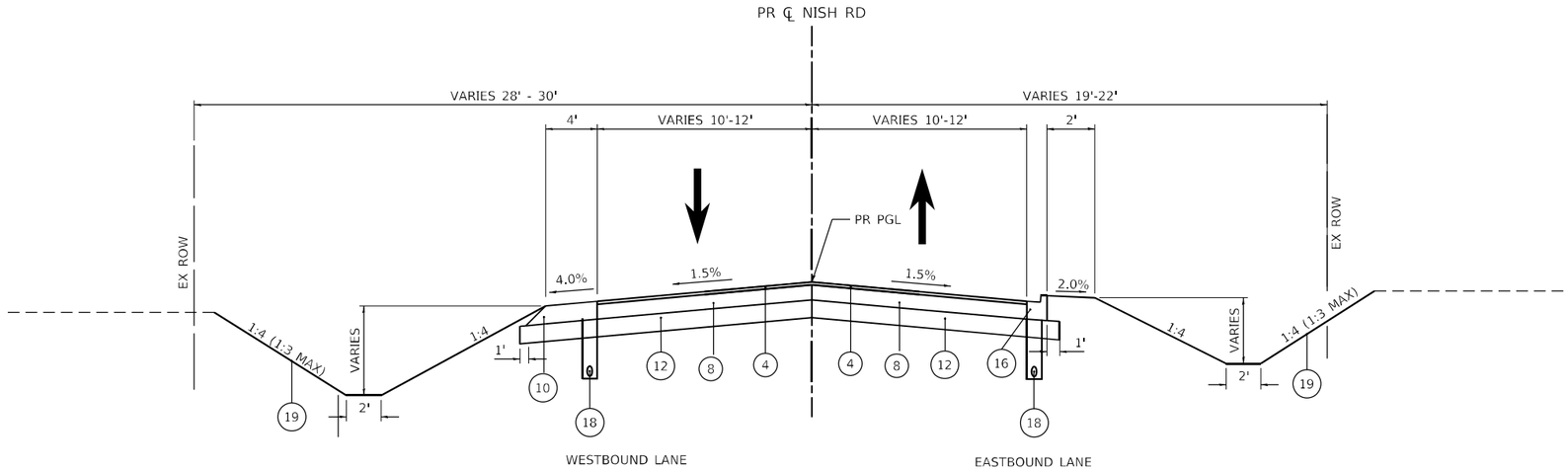
498+74.58 - 501+06.94

PROPOSED LEGEND:

- (1) NOT USED
- (2) PR HOT-MIX ASPHALT SURFACE REMOVAL, 2 ½"
- (3) PR POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 1 ¾"
- (4) PR POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 2"
- (5) NOT USED
- (6) PR POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, ¾"
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- (17) PR STEEL PLATE BEAM GUARDRAIL, TYPE A, 9' POSTS
- (18) PR PIPE UNDERDRAIN, TYPE 2, 4"
- (19) PR LANDSCAPING (SEE LANDSCAPING PLANS)

NOTES

1. CONTRACTOR SHALL MILL FIRST BEFORE PATCHING
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PROPOSED NISH RD – EAST LEG TYPICAL SECTION

STA. 501+06.94 TO STA. 502+41.77

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	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 2/5/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 60T15		
		ILLINOIS	FED. AID PROJECT	

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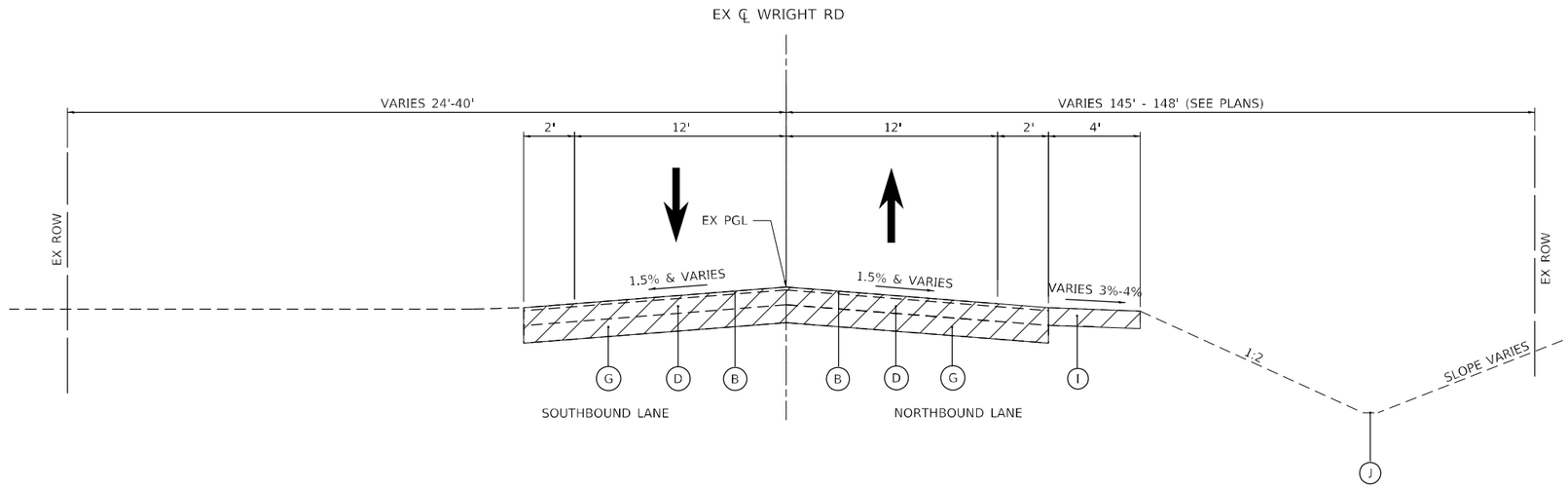
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- (I) EX AGGREGATE SHOULDERS, 8"
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- (K) EX GUARDRAIL
- DENOTES REMOVAL ITEM

PROPOSED LEGEND:

- (1) NOT USED
- (2) PR HOT-MIX ASPHALT SURFACE REMOVAL, 2 ½"
- (3) PR POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 1 ¾"
- (4) PR POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 2"
- (5) NOT USED
- (6) PR POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, ¾"
- (7) PR HOT-MIX ASPHALT BASE COURSE, 5" (SEE NOTES 2, 3, & 4)
- (8) PR HOT-MIX ASPHALT BASE COURSE, 5 ½"
- (9) PR HOT-MIX ASPHALT BASE COURSE, 8 ½" (SEE NOTES 2, 3, & 4)
- (10) PR HOT-MIX ASPHALT SHOULDERS, 7 ½"
- (11) PR HOT-MIX ASPHALT SHOULDERS, 11"
- (12) PR AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (13) PR PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (14) PR SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (15) PR COMBINATION CURB AND GUTTER, TYPE M 4.12
- (16) PR COMBINATION CURB AND GUTTER, TYPE B 6.12
- (17) PR STEEL PLATE BEAM GUARDRAIL, TYPE A, 9' POSTS
- (18) PR PIPE UNDERDRAIN, TYPE 2, 4"
- (19) PR LANDSCAPING (SEE LANDSCAPING PLANS)

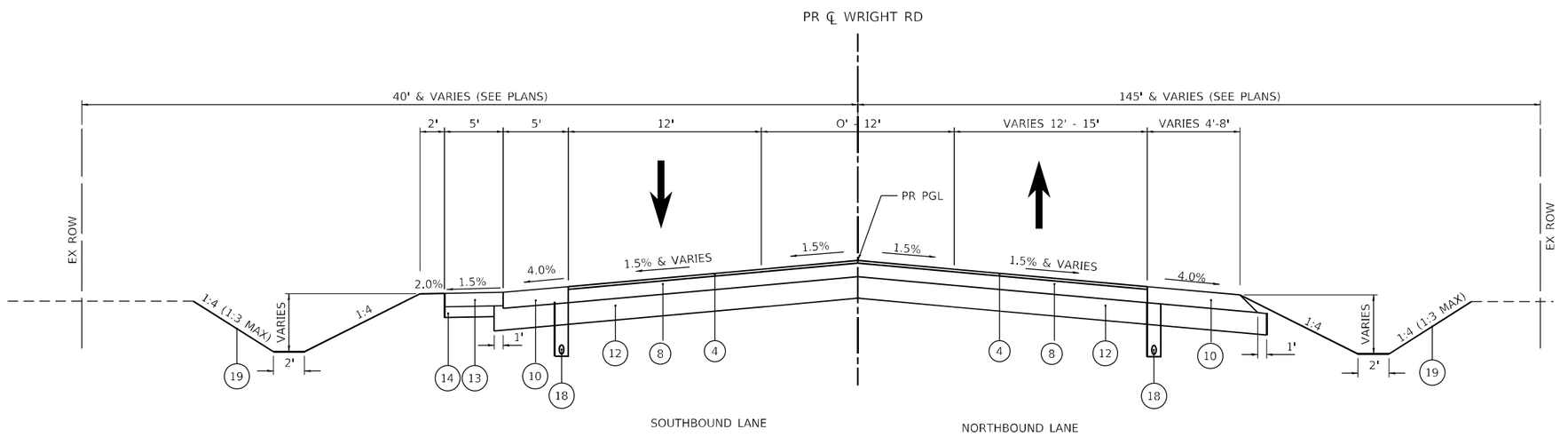
NOTES

1. CONTRACTOR SHALL MILL FIRST BEFORE PATCHING
2. HOT-MIX ASPHALT BASE COURSE SHALL BE CONSTRUCTED TO MEET EXISTING GRADE PRIOR TO MILLING AND RESURFACING OPERATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT. THE FINAL THICKNESS OF HOT-MIX ASPHALT COURSE WILL BE REDUCED WHEN MILLED PRIOR TO RESURFACING.
3. WIDENING OF SIX FEET OR LESS SHALL BE PAID FOR AS HOT-MIX BASE COURSE WIDENING, OF THE THICKNESS SPECIFIED.
4. WIDENING GREATER THAN SIX FEET SHALL BE PAID FOR AS HOT-MIX ASPHALT BASE COURSE, OF THE THICKNESS SPECIFIED.



EXISTING WRIGHT RD TYPICAL SECTION

STA. 300+84.48 TO STA. 303+10.00



PROPOSED WRIGHT RD TYPICAL SECTION

STA. 301+08.56 TO STA. 304+76.50

MODEL: Default
FILE NAME: 22118039.20 (STR) & 30 (RDY) IDOT D1 PTB 187-006 W020 IL 176-Nish Road\DGN\Design\InRelim\Plotsheets\D160T15-cht-tyatca106.dgn

USER NAME = RGall	DESIGNED - RG	REVISED -	
	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 2/5/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	25
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

TREE REMOVAL SCHEDULE					
ROUTE	STATION	OFFSET	DIAMETER (INCH)	20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER) (UNIT)	20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER) (UNIT)
IL 176	224+44.09	27.25' LT	2		
IL 176	224+61.75	37.04' LT	1		
IL 176	224+76.42	26.32' LT	2		
EX NISH RD	493+77.87	24.88' RT	20		20
EX NISH RD	494+50.07	27.88' RT	24		24
EX NISH RD	494+64.22	26.71' RT	12	12	
EX NISH RD	494+76.78	27.28' RT	18		18
EX NISH RD	494+77.81	30.67' RT	12	12	
EX NISH RD	494+78.98	27.32' RT	12	12	
EX NISH RD	494+95.06	29.26' RT	20		20
EX NISH RD	495+03.19	28.32' RT	15	15	
EX NISH RD	495+11.03	24.97' RT	6	6	
EX NISH RD	495+20.98	30.74' RT	6	6	
EX NISH RD	494+55.22	30.12' LT	10	10	
EX NISH RD	494+55.22	30.12' LT	10	10	
EX NISH RD	495+26.45	36.18' LT	22		22
EX NISH RD	495+31.33	29.33' LT	13	13	
EX NISH RD	495+37.26	35.14' LT	13	13	
EX NISH RD	495+47.97	27.23' LT	8	8	
EX NISH RD	495+95.79	26.95' LT	15	15	
EX NISH RD	496+03.93	29.75' LT	7	7	
EX NISH RD	496+18.81	27.58' LT	12	12	
EX NISH RD	496+20.93	29.65' LT	15	15	
EX NISH RD	496+34.78	27.37' LT	12	12	
EX NISH RD	497+42.60	37.49' LT	22		22
EX NISH RD	501+83.13	14.84' LT	60		60
EX RIVERSIDE DR	400+44.92	75.66' LT	48		48
EX RIVERSIDE DR	400+56.04	55.26' LT	36		36
EX RIVERSIDE DR	400+63.63	47.39' LT	30		30
EX RIVERSIDE DR	401+05.20	18.87' LT	15	15	
EX RIVERSIDE DR	401+10.72	16.73' LT	15	15	
EX RIVERSIDE DR	401+10.72	16.73' LT	15	15	
EX RIVERSIDE DR	401+23.62	38.28' LT	12	12	
EX RIVERSIDE DR	401+68.83	19.79' LT	30		30
EX RIVERSIDE DR	401+68.83	19.79' LT	30		30
EX RIVERSIDE DR	401+91.00	19.85' LT	48		48
EX WRIGHT RD	301+60.33	87.56' LT	6	6	
EX WRIGHT RD	301+61.34	73.22' LT	6	6	
			TOTAL	247	408

DRIVEWAY REMOVAL SCHEDULE				
ROUTE	APPROXIMATE STATION	OFFSET	ENTRANCE TYPE	44000200 DRIVEWAY PAVEMENT REMOVAL (SQ YD)
IL 176	219+50	RT	COMMERCIAL	452
IL 176	221+00	LT	COMMERCIAL	88
IL 176	221+00	RT	COMMERCIAL	174
IL 176	222+00	RT	COMMERCIAL	294
IL 176	225+57	RT	COMMERCIAL	253
EXNISH RD	492+50	RT	PRIVATE	26
EXNISH RD	493+00	RT	PRIVATE	37
EXNISH RD	493+50	RT	PRIVATE	41
EXNISH RD	494+30	RT	PRIVATE	37
EXNISH RD	494+75	LT	PRIVATE	66
EXNISH RD	495+80	LT	PRIVATE	59
EXNISH RD	496+00	RT	PRIVATE	48
EXNISH RD	497+00	RT	COMMERCIAL	39
EXNISH RD	497+06	LT	PRIVATE	122
EXNISH RD	498+20	RT	COMMERCIAL	54
EXNISH RD	501+20	RT	COMMERCIAL	60
EXNISH RD	501+50	LT	COMMERCIAL	77
EXRIVERSIDE RD	400+93	LT	PRIVATE	116
EXRIVERSIDE RD	401+53	LT	PRIVATE	95
EXWRIGHT RD	300+98	LT	COMMERCIAL	175
EXWRIGHT RD	302+25	LT	COMMERCIAL	162
			TOTAL	2475

MODEL: Default
FILE NAME: Z:\18039_20_ISTR\ & _30_IRDY_IDOT D1 - PTB 187-006 W020\IL 176-Nish Road\DGN\Design\Preliminp\Metsheets\D1601T15-pht-schedule.dgn

USER NAME = RCall	DESIGNED - RG	REVISED -
	DRAWN - CS	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -
PLOT DATE = 2/5/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	26
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

DRAINAGE REMOVAL SCHEDULE

FROM ROUTE	FROM STATION	TO ROUTE	TO STATION	OFFSET	44201781 CLASS D PATCHES, TYPE III, 11 INCH (SQ YD)	50104400 CONCRETE HEADWALL REMOVAL (EACH)	50105220 PIPE CULVERT REMOVAL (FOOT)	55101200 STORM SEWER REMOVAL, 24" (FOOT)	60500040 REMOVING MANHOLES (EACH)	60500060 REMOVING INLETS (EACH)
IL 176	218+11	IL 176	218+59	LT	18		48			
IL 176	218+14	IL 176	218+61	RT			47			
IL 176	219+07	IL 176	220+10	RT			103			
IL 176	220+72	IL 176	221+13	RT			41			
IL 176	222+15			RT						1
IL 176	222+39			RT					1	
IL 176	221+62	IL 176	223+37	RT				172		
IL 176	224+83	IL 176	226+18	RT			132			
EX NISH RD	492+44	EX NISH RD	492+69	RT			26			
EX NISH RD	492+85	EX NISH RD	493+13	RT			28			
EX NISH RD	493+46	EX NISH RD	493+71	RT			26			
EX NISH RD	494+21	EX NISH RD	494+47	RT			26			
EX NISH RD	494+55	EX NISH RD	494+93	LT			38			
EX NISH RD	495+68	EX NISH RD	495+94	LT			27			
EX NISH RD	495+79	EX NISH RD	496+11	RT			32			
EX NISH RD	496+83	EX NISH RD	497+10	RT			27			
EX NISH RD	497+03	EX NISH RD	497+23	LT			21			
EX NISH RD	497+95	EX NISH RD	498+35	RT			40			
EX WRIGHT RD	300+30	EX WRIGHT RD	302+77	LT			251			
EX WRIGHT RD	301+70			RT						1
EX WRIGHT RD	302+76	EX WRIGHT RD	302+77	LT/RT		2	47			
EX WRIGHT RD	302+87	EX WRIGHT RD	303+17	LT			30			
EX WRIGHT RD	303+28	EX WRIGHT RD	303+61	LT			33			
EX RIVERSIDE DR	400+41	EX RIVERSIDE DR	400+44	LT/RT			24			
EX RIVERSIDE DR	401+67	EX RIVERSIDE DR	401+68	LT/RT			28			
				TOTAL	18	2	1075	172	1	2

EARTHWORK SCHEDULE

STAGE	LOCATION	EARTH EXCAVATION (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT (15% SHRINKAGE) (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	FURNISHED EXCAVATION (CU YD)	TOPSOIL EXCAVATION AND PLACEMENT (CU YD)	TOPSOIL REQUIRED (CU YD)	TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	UNSUITABLE MATERIAL (CU YD)
PRE-STAGE	IL 176	30	26	35	-9		50	0	50	200
	NISH ROAD-WEST	45	39	80	-41		85	0	85	85
	WRIGHT RD / RIVERSIDE RD	105	90	465	-375		220	0	220	220
	PRE-STAGE TOTAL	180	155	580	-425	425	355	0	355	505
	WRIGHT RD / RIVERSIDE RD	2155	1832	280	1552		595	180	415	415
	STAGE 1 TOTAL	2155	1832	280	1552	0	595	180	415	415
STAGE 2	IL 176	240	204	810	-606		545	230	315	315
	NISH ROAD-WEST	280	238	140	98		310	100	210	210
	NISH ROAD - EAST	230	196	15	181		75	5	70	70
	STAGE 2 TOTAL	750	638	965	-327	0	930	335	595	595
STAGE 3	IL 176	380	323	595	-272		290	65	225	225
	NISH ROAD-WEST	195	166	135	31		185	85	100	100
	STAGE 3 TOTAL	575	489	730	-241	0	475	150	325	325
	PROJECT TOAL	3660	3114	2555	559	425	2355	665	1690	1840

NOTES

1. TOPSOIL EXCAVATED TO A DEPTH OF 8" IN AREAS THAT WILL BE DISTURBED BY PROPOSED WORK.
2. TOPSOIL REQUIRED BASED ON AREA OF PROPOSED SEEDING (PLACED AT A DEPTH OF 4").

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USER NAME = RCall	DESIGNED - RG	REVISED -	
	DRAWN - CS	REVISED -	
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PLOT DATE = 2/5/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	27
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

ROADWAY REMOVAL SCHEDULE

FROM ROUTE	FROM STATION	TO ROUTE	TO STATION	OFFSET	40600982 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT (SQ YD)	44000100 PAVEMENT REMOVAL (SQ YD)	44000159 HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2" (SQ YD)	44000300 CURB REMOVAL (FOOT)	44004250 PAVED SHOULDER REMOVAL (SQ YD)	63200310 GUARDRAIL REMOVAL (FOOT)
IL 176	217+95.66				15					
IL 176	217+96.71	IL 176	227+20.00			334	4737			
IL 176	218+20.83	BLUE ISLAND DR		LT	9					
IL 176	218+34.84	BURTON TR		RT	11					
IL 176	222+11.76	IL 176	222+28.91	RT				39		
IL 176	218+27.64	IL 176	222+01.72	LT					192	
IL 176	222+93.67	IL 176	227+20.00	LT					417	
IL 176	225+31.00	IL 176	226+93.00	LT						163
IL 176	225+88.00	IL 176	228+60.00	RT						271
IL 176	227+15.50				20					
EX NISH RD	493+26.86				12					
EX NISH RD	493+26.86	EX NISH RD	498+74.58				1973			
EX NISH RD	500+12.11	EX NISH RD	502+42.76			858				
EX WRIGHT RD	300+07.90	EX WRIGHT RD	301+69.12	LT		1218				
EX WRIGHT RD	300+25.61	EX WRIGHT RD	303+10.07	LT/RT		1053				
EX WRIGHT RD	301+01.20	EX WRIGHT RD	301+25.00	LT				60		
EX WRIGHT RD	301+61.51	EX WRIGHT RD	301+73.80	LT				20		
EX WRIGHT RD	302+70.20	EX WRIGHT RD	302+78.50	LT				9		
EX RIVERSIDE DR	400+11.32	EX RIVERSIDE DR	402+40.43	LT/RT		402				
				TOTAL	67	3865	6710	128	609	434

BUILDING REMOVAL SCHEDULE

ROUTE	APPROXIMATE STATION	OFFSET	67201000 SEALING ABANDONED WATER WELLS (EACH)	X0327547 ABANDON EXISTING UTILITIES (L SUM)	X0488100 REMOVING EXISTING SEPTIC TANK (EACH)	X5011100 FOUNDATION REMOVAL (EACH)	X6690103 ABOVEGROUND STORAGE TANK REMOVAL (EACH)	Z0007601 BUILDING REMOVAL NO. 1 (L SUM)	Z0015500 DEBRIS REMOVAL (L SUM)	Z0049901 REMOVAL AND DISPOSAL OF NON-FRIABLE ASBESTOS, BUILDING NO. 1 (L SUM)	Z0055905 TEMPORARY CONSTRUCTION FENCE (FOOT)
EX WRIGHT	301+25	LT	1	1	1	1	1	1	1	1	542
		TOTAL	1	1	1	1	1	1	1	1	542

MODEL: Default
FILE NAME: Z:\18039.20 /STRUCTURAL & .30 IRDY IDOT D1 PTB 187-006 W020 IL 176-Nish Road\IDOT\Design\Preliminary\Plansheets\D1601TS-plan-schedule.dgn

USER NAME = RGall	DESIGNED - RG	REVISED -	**STATE OF ILLINOIS**	**IL 176 AT NISH RD**	
	DRAWN - CS	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**SCHEDULE OF QUANTITIES**	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.	
PLOT DATE = 2/5/2021	DATE -	REVISED -			

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	28
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

PROPOSED PAVEMENT SCHEDULE

FROM ROUTE	FROM STATION	TO ROUTE	TO STATION	30300112 AGGREGATE SUBGRADE IMPROVEMENT 12" (SQ YD)	35501304 HOT-MIX ASPHALT BASE COURSE, 5" (SQ YD)	35501306 HOT-MIX ASPHALT BASE COURSE, 5-1/2" (SQ YD)	35501318 HOT-MIX ASPHALT BASE COURSE, 8-1/2" (SQ YD)	35600670 HOT-MIX ASPHALT BASE COURSE WIDENING, 5" (SQ YD)	35600710 HOT-MIX ASPHALT BASE COURSE WIDENING, 8-1/2" (SQ YD)	40603085 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (TON)	40603200 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 (TON)	40604172 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70 (TON)	48203027 HOT-MIX ASPHALT SHOULDERS, 7 -1/2" (SQ YD)	48203041 HOT-MIX ASPHALT SHOULDERS, 11" (SQ YD)	60603800 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (FOOT)	60608562 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12 (FOOT)
IL 176	218+30 LT	IL 176	220+85 LT	336										234		
IL 176	218+45 RT	IL 176	222+45 RT	551										363		411
EX NISH RD	499+93 LT	IL 176	227+20 LT	522										438		
PR NISH RD	501+07 LT	IL 176	227+20 RT	479										371		289
IL 176	218+28 LT	IL 176	220+50 LT	96					96							
IL 176	218+45 RT	IL 176	218+67 RT	13					13							
IL 176	220+50 LT	EX NISH RD	498+75 RT	342			342									
IL 176	222+90 LT	IL 176	225+75 LT	510			510									
IL 176	225+57 RT	DRIVEWAY MEDIAN														47
IL 176	225+75 LT	IL 176	227+20 LT	54					54							
IL 176	217+96	IL 176	227+15								202	471				
IL 176	220+87	IL 176	224+05							229						
EX NISH RD	493+52 RT	EX NISH RD	495+92 RT	90				90								
EX NISH RD	493+53 LT	EX NISH RD	495+64 LT	81				81								
EX NISH RD	495+64 LT	EX NISH RD	498+49 LT	219	219											
EX NISH RD	495+92 RT	EX NISH RD	498+75 RT	203	203											
EX NISH RD	498+49 LT	EX NISH RD	498+64 LT	6				6								
EX NISH RD	493+27	EX NISH RD	498+75								84	195				
EX NISH RD	492+42 RT	EX NISH RD	495+73 RT	205									135			
EX NISH RD	493+27 LT	EX NISH RD	496+91 LT	223									162			
EX NISH RD	498+27 LT	EX NISH RD	498+98 LT	76									64			
EX NISH RD	495+73 RT	IL 176	221+13 LT	124											447	
PR NISH RD	501+06 LT	PR NISH RD	502+42 LT	85									57			
PR NISH RD	500+01 RT	PR NISH RD	502+42 RT												246	
PR NISH RD	500+13	PR NISH RD	502+42	895		895						101				
PR WRIGHT RD	300+18 LT	PR WRIGHT RD	301+53 LT	121									100			
PR WRIGHT RD	300+67 RT	PR WRIGHT RD	301+71 RT	130									112			
PR WRIGHT RD	302+03 LT	PR WRIGHT RD	304+80 LT	157									142			
PR WRIGHT RD	301+71 RT	PR WRIGHT RD	304+80 RT	196									142			
PR WRIGHT RD	300+18	PR WRIGHT RD	304+80	1481		1481						166				
PR RIVERSIDE DR	400+14 LT	PR RIVERSIDE DR	401+11 LT	66									49			
PR RIVERSIDE DR	400+22 RT	PR RIVERSIDE DR	401+11 RT	55									42			
PR RIVERSIDE DR	400+12.01	PR RIVERSIDE DR	401+10.32	212		212						24				
			TOTAL	7528	422	2588	852	177	163	229	286	957	1005	1406	693	747

NOTES

1. HOT-MIX ASPHALT BASE COURSE SHALL BE CONSTRUCTED TO MEET EXISTING GRADE PRIOR TO MILLING AND RESURFACING OPERATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT. THE FINAL THICKNESS OF HOT-MIX ASPHALT BASE COURSE WILL BE REDUCED WHEN MILLED PRIOR TO RESURFACING.
2. WIDENING OF SIX FEET OR LESS SHALL BE PAID FOR AS HOT-MIX BASE COURSE WIDENING, OF THE THICKNESS SPECIFIED.
3. WIDENING GREATER THAN SIX FEET SHALL BE PAID FOR AS HOT-MIX ASPHALT BASE COURSE, OF THE THICKNESS SPECIFIED.

MODEL: Default
FILE NAME: 218039-20 (STRI & 30 rdy) IDOT D1 PTB 187-006 W020 IL 176-Nish Rsrd\DGN\Design\PreliminPlots\sheets\D160T15-cnt-schedule.dgn

USER NAME = RGall	DESIGNED - RG	REVISED -	
	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 2/5/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	29
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

PROPOSED SIDEWALK/SHARED-USE PATH SCHEDULE					
ROUTE	STATION	STATION	WIDTH (FT)	31101200 SUBBASE GRANULAR MATERIAL, TYPE B 4" (SQ YD)	42400200 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (SQ FT)
IL 176	218+61 RT	222+96 RT	10	479	4307
IL 176/NISH RD	NORTHWEST CORNER		5	111	993
IL 176/NISH RD	SOUTHWEST CORNER		5	65	585
IL 176/NISH RD	NORTHEAST CORNER		5	29	261
IL 176/NISH RD	SOUTHEAST CORNER		5	21	188
PRAIRIE RIGHT RD	300+29 LT	301+61 LT	5	90	809
PRAIRIE RIGHT RD	301+93 LT	305+36 LT	5	181	1623
TOTAL				976	8766

DRIVEWAY SCHEDULE						
ROUTE	APPROXIMATE STATION	OFFSET	ENTRANCE TYPE	60600605 CONCRETE CURB, TYPE B (FOOT)	Z0004530 HOT MIX ASPHALT DRIVEWAY PAVEMENT, 8" (SQ YD)	Z0004538 HOT MIX ASPHALT DRIVEWAY PAVEMENT, 10" (SQ YD)
IL 176	219+50	RT	COMMERCIAL	56		243
IL 176	221+00	LT	COMMERCIAL			71
IL 176	221+00	RT	COMMERCIAL	25		117
IL 176	222+00	RT	COMMERCIAL	72		123
IL 176	225+57	RT	COMMERCIAL			237
EXNISH RD	492+56	RT	PRIVATE		19	
EXNISH RD	493+00	RT	PRIVATE		30	
EXNISH RD	493+50	RT	PRIVATE		32	
EXNISH RD	494+30	RT	PRIVATE		29	
EXNISH RD	494+75	LT	PRIVATE		37	
EXNISH RD	495+80	LT	PRIVATE		28	
EXNISH RD	496+00	RT	PRIVATE		31	
EXNISH RD	497+00	RT	COMMERCIAL			23
EXNISH RD	498+20	RT	COMMERCIAL			24
PRNISH RD	501+20	RT	COMMERCIAL			86
PRNISH RD	501+50	LT	COMMERCIAL			25
PRAIRIE RIGHT RD	300+75	LT	PRIVATE		53	
PRAIRIE RIGHT RD	301+10	LT	PRIVATE		49	
PRAIRIE RIGHT RD	301+50	LT	PRIVATE		70	
PRAIRIE RIGHT RD	304+00	LT	COMMERCIAL			77
TOTAL				153	378	1026

GUARDRAIL SCHEDULE							
ROUTE	FROM STATION	OFFSET	TO STATION	63100045 TRAFFIC BARRIER TERMINAL, TYPE 2 (EACH)	63000003 STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS (FOOT)	48101620 AGGREGATE SHOULDERS, TYPE B 10" (SQ YD)	63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) (EACH)
IL 176	226+47.23	LT	226+59.54	1			
IL 176	226+59.54	LT	227+20.00		62.5		
IL 176	226+33.21	LT	227+20.00			29	
IL 176	228+12.44	RT	228+59.99				1
TOTAL				1	62.5	29	1

MODEL: Default
FILE NAME: 221803920 (STR) & 30 (RDY) IDOT D1 PTB 187-006 W020 IL 176-Nish Road\DGN\Design\Prelim\Plotsheets\D160T15-cnt-schedule.dgn

USER NAME = RCall	DESIGNED - RG	REVISED -	
	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 2/5/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	30
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

EXIST. CURVE EXIL176-2
PI STA. = 223+95.39
Δ = 22° 24' 39" (RT)
D = 2° 52' 56"
R = 1,987.82'
T = 393.79'
L = 777.52'
E = 38.63'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 220+01.60
P.T. STA. = 227+79.12

EXIST. CURVE EXNISH-1
PI STA. = 490+98.53
Δ = 2° 28' 09" (RT)
D = 0° 52' 37"
R = 6,532.76'
T = 140.78'
L = 281.52'
E = 1.52'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 489+57.75
P.T. STA. = 492+39.27

EXIST. CURVE EXNISH-2
PI STA. = 499+31.48
Δ = 11° 14' 40" (RT)
D = 19° 33' 18"
R = 293.00'
T = 28.84'
L = 57.50'
E = 1.42'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 499+02.64
P.T. STA. = 499+60.14

EXIST. CURVE EXNISH-3
PI STA. = 500+67.59
Δ = 14° 17' 18" (LT)
D = 16° 45' 11"
R = 342.00'
T = 42.87'
L = 85.29'
E = 2.68'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 500+24.73
P.T. STA. = 501+10.01

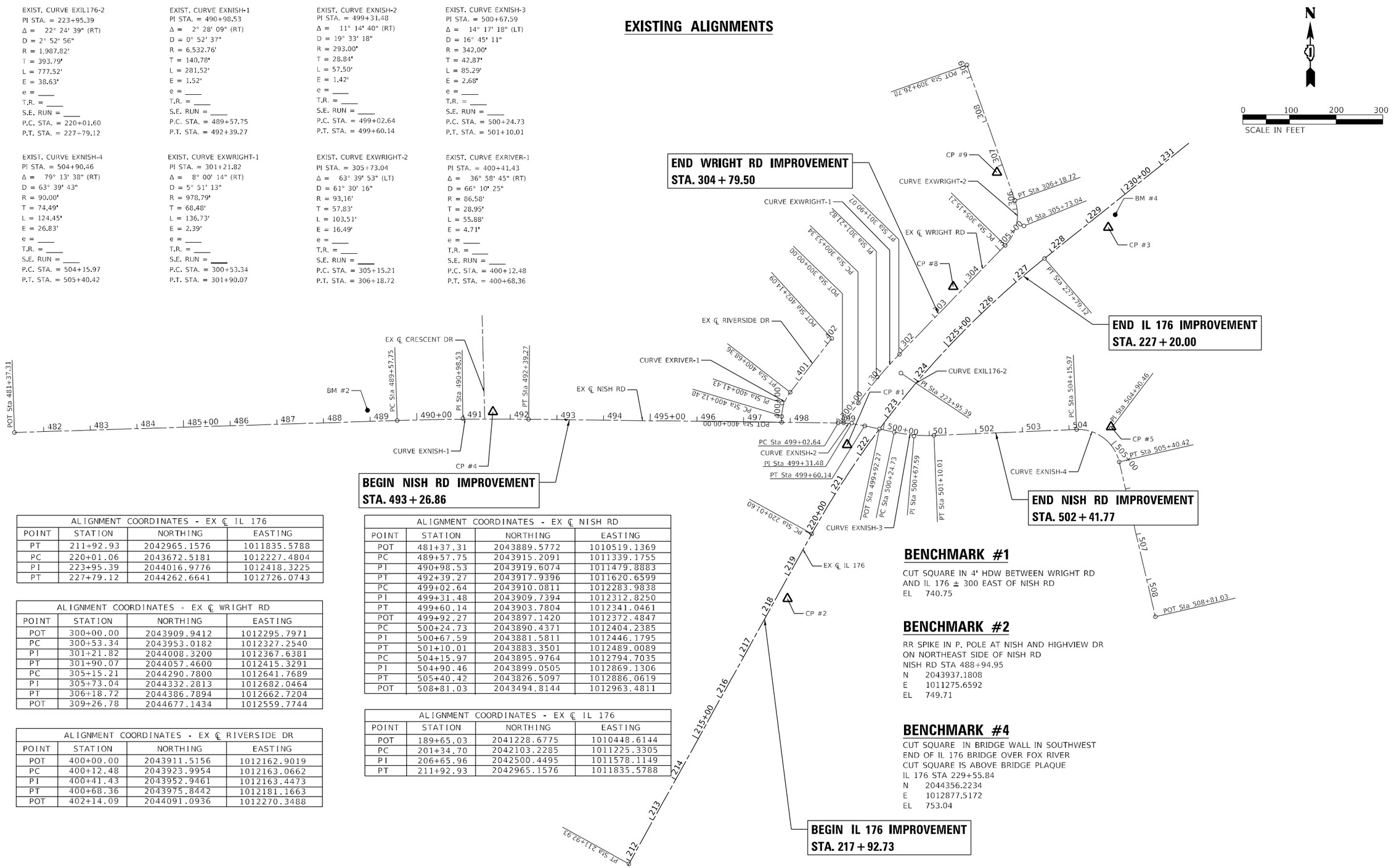
EXIST. CURVE EXNISH-4
PI STA. = 504+90.46
Δ = 79° 13' 38" (RT)
D = 63° 39' 43"
R = 90.00'
T = 74.49'
L = 124.45'
E = 26.83'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 504+15.97
P.T. STA. = 505+40.42

EXIST. CURVE EXWRIGHT-1
PI STA. = 301+21.82
Δ = 8° 00' 14" (RT)
D = 5° 51' 13"
R = 978.79'
T = 68.48'
L = 136.73'
E = 2.39'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 300+53.34
P.T. STA. = 301+90.07

EXIST. CURVE EXWRIGHT-2
PI STA. = 305+73.04
Δ = 63° 39' 53" (LT)
D = 61° 30' 16"
R = 93.16'
T = 57.83'
L = 103.51'
E = 16.49'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 305+15.21
P.T. STA. = 306+18.72

EXIST. CURVE EXRIVER-1
PI STA. = 400+41.43
Δ = 36° 58' 45" (RT)
D = 66° 10' 25"
R = 86.58'
T = 28.95'
L = 55.88'
E = 4.71'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 400+12.48
P.T. STA. = 400+68.36

EXISTING ALIGNMENTS



ALIGNMENT COORDINATES - EX ℄ IL 176			
POINT	STATION	NORTHING	EASTING
PT	211+92.93	2042965.1576	1011835.5788
PC	220+01.06	2043672.5181	1012227.4804
PI	223+95.39	2044016.9776	1012418.3225
PT	227+79.12	2044262.6641	1012726.0743

ALIGNMENT COORDINATES - EX ℄ WRIGHT RD			
POINT	STATION	NORTHING	EASTING
POT	300+00.00	2043909.9412	1012295.7971
PC	300+53.34	2043953.0182	1012327.2540
PI	301+21.82	2044008.3200	1012367.6381
PT	301+90.07	2044057.4600	1012415.3291
PC	305+15.21	2044290.7800	1012641.7689
PI	305+73.04	2044332.2813	1012682.0464
PT	306+18.72	2044386.7894	1012662.7204
POT	309+26.78	2044677.1434	1012559.7744

ALIGNMENT COORDINATES - EX ℄ RIVERSIDE DR			
POINT	STATION	NORTHING	EASTING
POT	400+00.00	2043911.5156	1012162.9019
PC	400+12.48	2043923.9954	1012163.0662
PI	400+41.43	2043952.9461	1012163.4473
PT	400+68.36	2043975.8442	1012181.1663
POT	402+14.09	2044091.0936	1012270.3488

ALIGNMENT COORDINATES - EX ℄ NISH RD			
POINT	STATION	NORTHING	EASTING
POT	481+37.31	2043889.5772	1010519.1369
PC	489+57.75	2043915.2091	1011339.1755
PI	490+98.53	2043919.6074	1011479.8883
PT	492+39.27	2043917.9396	1011620.6599
PC	499+02.64	2043910.0811	1012283.9838
PI	499+31.48	2043909.7394	1012312.8250
PT	499+60.14	2043903.7804	1012341.0461
POT	499+92.27	2043897.1420	1012372.4847
PC	500+24.73	2043890.4371	1012404.2385
PI	500+67.59	2043881.5811	1012446.1795
PT	501+10.01	2043883.3501	1012489.0089
PC	504+15.97	2043895.9764	1012794.7035
PI	504+90.46	2043899.0505	1012869.1306
PT	505+40.42	2043826.5097	1012886.0619
POT	508+81.03	2043494.8144	1012963.4811

ALIGNMENT COORDINATES - EX ℄ IL 176			
POINT	STATION	NORTHING	EASTING
POT	189+65.03	2041228.6775	1010448.6144
PC	201+34.70	2042103.2285	1011225.3305
PI	206+65.96	2042500.4495	1011578.1149
PT	211+92.93	2042965.1576	1011835.5788

BENCHMARK #1

CUT SQUARE IN 4' HDW BETWEEN WRIGHT RD
AND IL 176 ± 300 EAST OF NISH RD
EL 740.75

BENCHMARK #2

RR SPIKE IN P. POLE AT NISH AND HIGHVIEW DR
ON NORTHEAST SIDE OF NISH RD
NISH RD STA 488+94.95
N 2043937.1808
E 1011275.6592
EL 749.71

BENCHMARK #4

CUT SQUARE IN BRIDGE WALL IN SOUTHWEST
END OF IL 176 BRIDGE OVER FOX RIVER
CUT SQUARE IS ABOVE BRIDGE PLAQUE
IL 176 STA 229+55.84
N 2044356.2234
E 1012877.5172
EL 753.04

MODEL: Default
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	DRAWN - CS	REVISED -	
PLOT SCALE = 200.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 2/5/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
ALIGNMENT, TIES, AND BENCHMARKS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	31
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

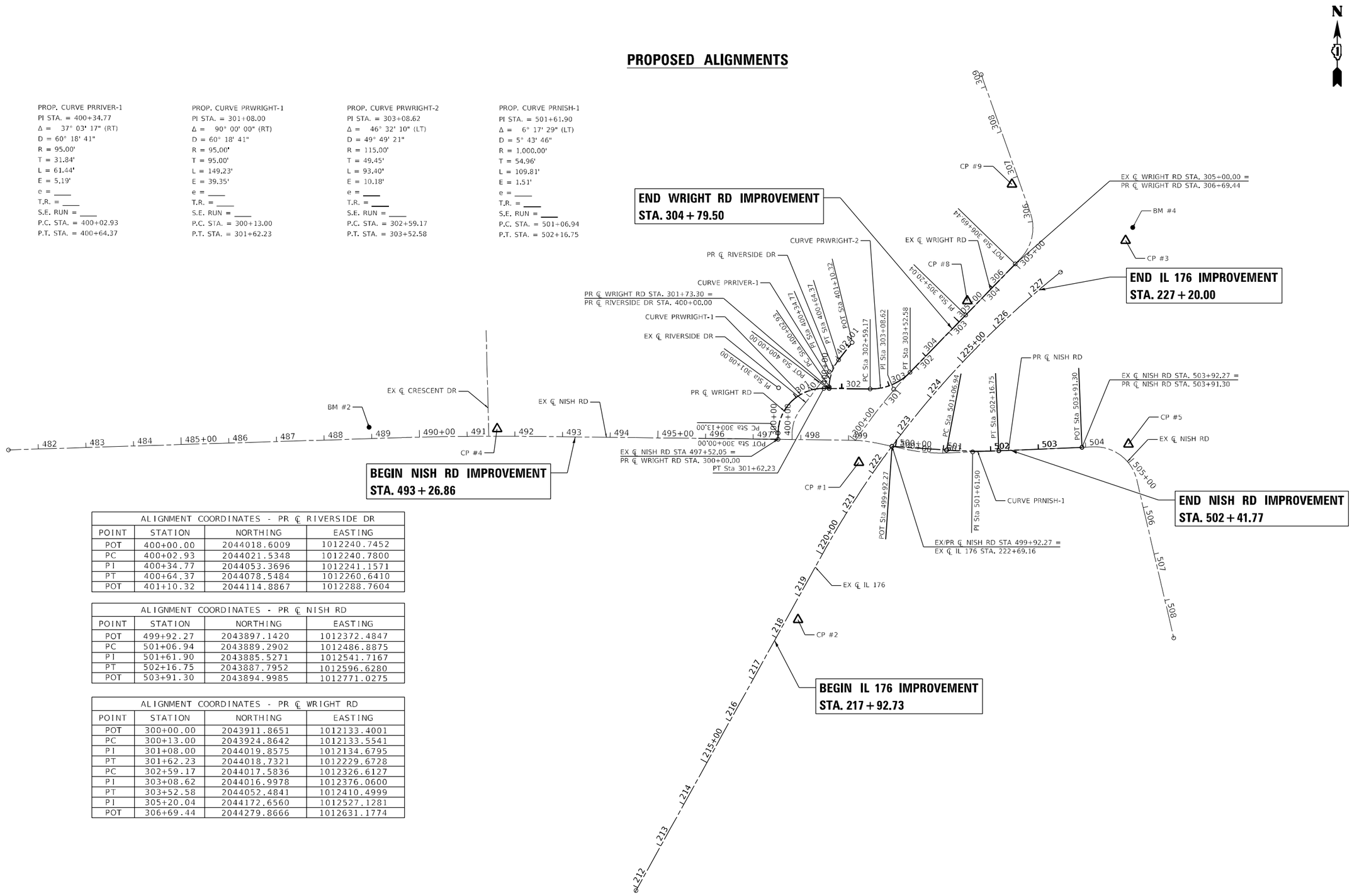
PROPOSED ALIGNMENTS

PROP. CURVE PRRIVER-1
PI STA. = 400+34.77
Δ = 37° 03' 17" (RT)
D = 60° 18' 41"
R = 95.00'
T = 31.84'
L = 61.44'
E = 5.19'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 400+02.93
P.T. STA. = 400+64.37

PROP. CURVE PRWRIGHT-1
PI STA. = 301+08.00
Δ = 90° 00' 00" (RT)
D = 60° 18' 41"
R = 95.00'
T = 95.00'
L = 149.23'
E = 39.35'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 300+13.00
P.T. STA. = 301+62.23

PROP. CURVE PRWRIGHT-2
PI STA. = 303+08.62
Δ = 46° 32' 10" (LT)
D = 49° 49' 21"
R = 115.00'
T = 49.45'
L = 93.40'
E = 10.18'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 302+59.17
P.T. STA. = 303+52.58

PROP. CURVE PRNISH-1
PI STA. = 501+61.90
Δ = 6° 17' 29" (LT)
D = 5° 43' 46"
R = 1,000.00'
T = 54.96'
L = 109.81'
E = 1.51'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 501+06.94
P.T. STA. = 502+16.75



ALIGNMENT COORDINATES - PR ℄ RIVERSIDE DR			
POINT	STATION	NORTHING	EASTING
POT	400+00.00	2044018.6009	1012240.7452
PC	400+02.93	2044021.5348	1012240.7800
PI	400+34.77	2044053.3696	1012241.1571
PT	400+64.37	2044078.5484	1012260.6410
POT	401+10.32	2044114.8867	1012288.7604

ALIGNMENT COORDINATES - PR ℄ NISH RD			
POINT	STATION	NORTHING	EASTING
POT	499+92.27	2043897.1420	1012372.4847
PC	501+06.94	2043889.2902	1012486.8875
PI	501+61.90	2043885.5271	1012541.7167
PT	502+16.75	2043887.7952	1012596.6280
POT	503+91.30	2043894.9985	1012771.0275

ALIGNMENT COORDINATES - PR ℄ WRIGHT RD			
POINT	STATION	NORTHING	EASTING
POT	300+00.00	2043911.8651	1012133.4001
PC	300+13.00	2043924.8642	1012133.5541
PI	301+08.00	2044019.8575	1012134.6795
PT	301+62.23	2044018.7321	1012229.6728
PC	302+59.17	2044017.5836	1012326.6127
PI	303+08.62	2044016.9978	1012376.0600
PT	303+52.58	2044052.4841	1012410.4999
PI	305+20.04	2044172.6560	1012527.1281
POT	306+69.44	2044279.8666	1012631.1774

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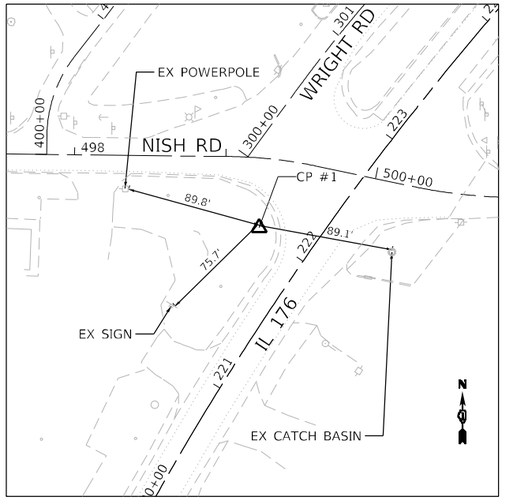
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PLOT DATE = 2/5/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
ALIGNMENT, TIES, AND BENCHMARKS

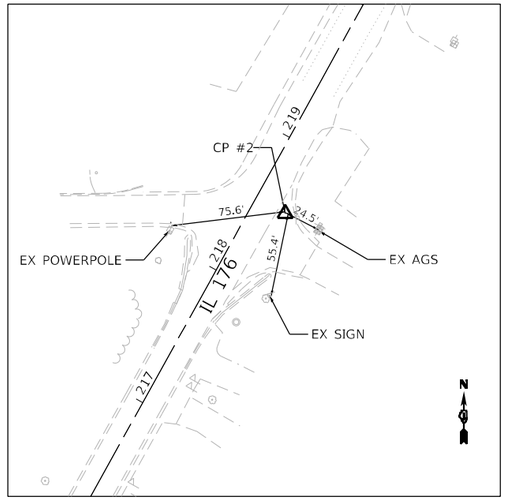
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	32
		CONTRACT NO. 60T15		
		ILLINOIS	FED. AID PROJECT	



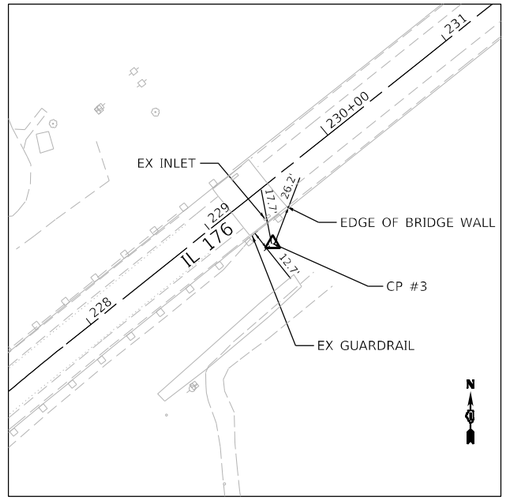
CONTROL POINT #1

STA. 222+01.71, 36.42 LT
N: 2043863.1488, E: 1012303.1800
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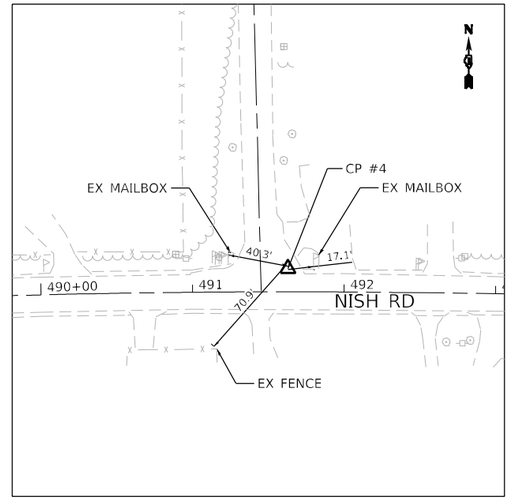
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EL: 755.41



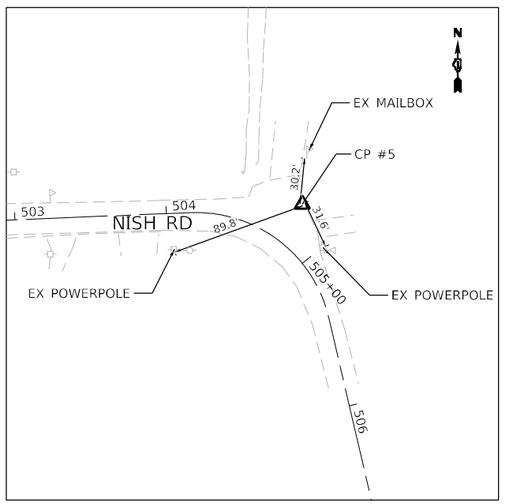
CONTROL POINT #3

STA. 229+26.97, 33.27 RT
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EL: 749.83



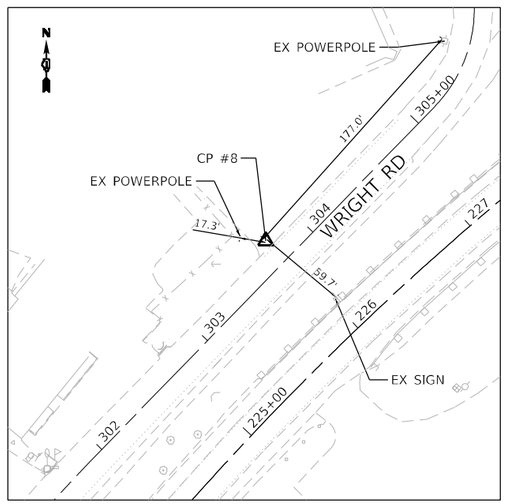
CONTROL POINT #4

STA. 491+62.99, 15.44 LT
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EL: 747.97



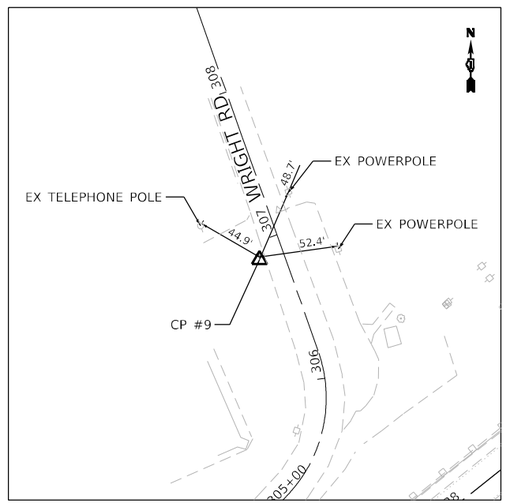
CONTROL POINT #5

STA. 504+76.68, 28.51 LT
N: 2043901.5865, E: 1012868.5494
EL: 738.00



CONTROL POINT #8

STA. 303+74.09, 18.20 LT
N: 2044202.1895, E: 1012530.4279
EL: 742.34



CONTROL POINT #9

STA. 306+88.29, 16.40 LT
N: 2044446.8789, E: 1012624.0163
EL: 737.89

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	DRAWN - CS	REVISED -	
PLOT SCALE = 200.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 2/5/2021	DATE -	REVISED -	

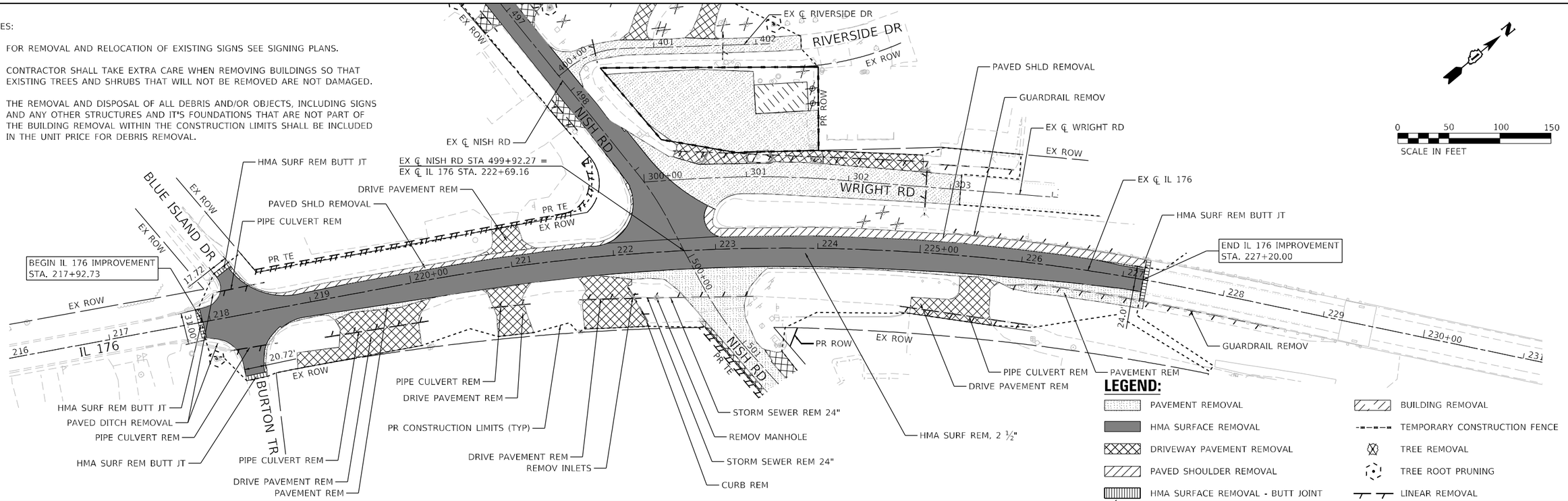
IL 176 AT NISH RD
ALIGNMENT, TIES, AND BENCHMARKS

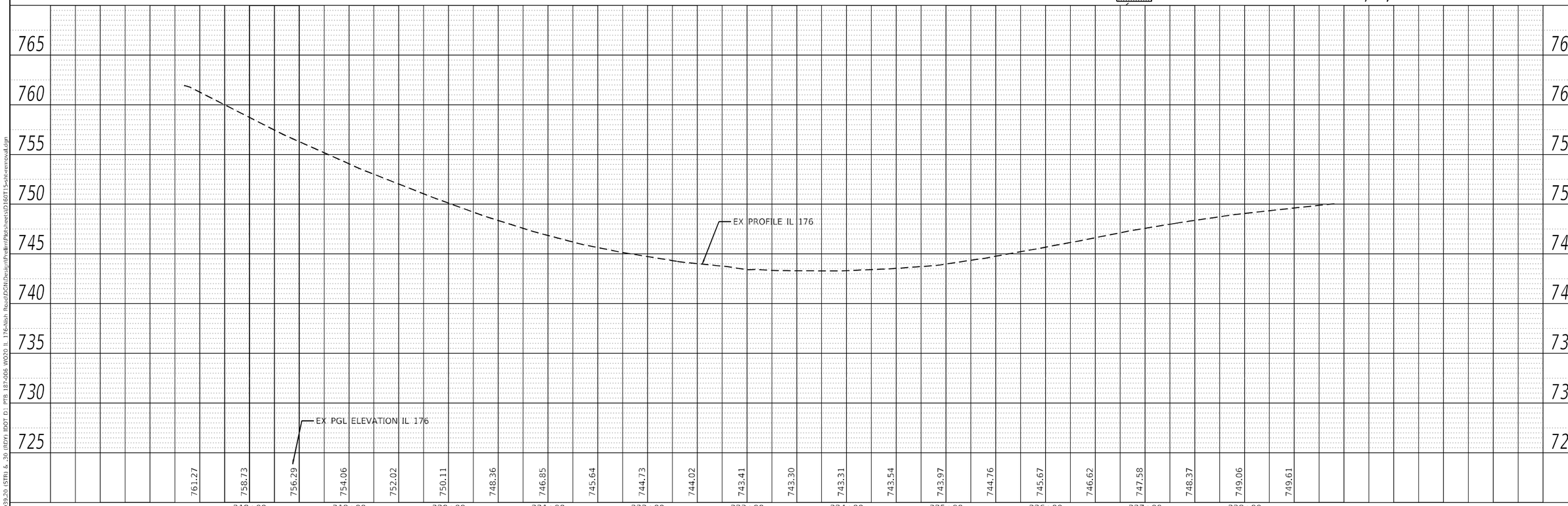
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	33
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

NOTES:

1. FOR REMOVAL AND RELOCATION OF EXISTING SIGNS SEE SIGNING PLANS.
2. CONTRACTOR SHALL TAKE EXTRA CARE WHEN REMOVING BUILDINGS SO THAT EXISTING TREES AND SHRUBS THAT WILL NOT BE REMOVED ARE NOT DAMAGED.
3. THE REMOVAL AND DISPOSAL OF ALL DEBRIS AND/OR OBJECTS, INCLUDING SIGNS AND ANY OTHER STRUCTURES AND IT'S FOUNDATIONS THAT ARE NOT PART OF THE BUILDING REMOVAL WITHIN THE CONSTRUCTION LIMITS SHALL BE INCLUDED IN THE UNIT PRICE FOR DEBRIS REMOVAL.





USER NAME = RGall	DESIGNED - RG	REVISED -
	DRAWN - CS	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -
PLOT DATE = 2/5/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
REMOVAL PLAN AND EXISTING PROFILE – IL 176

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	34
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

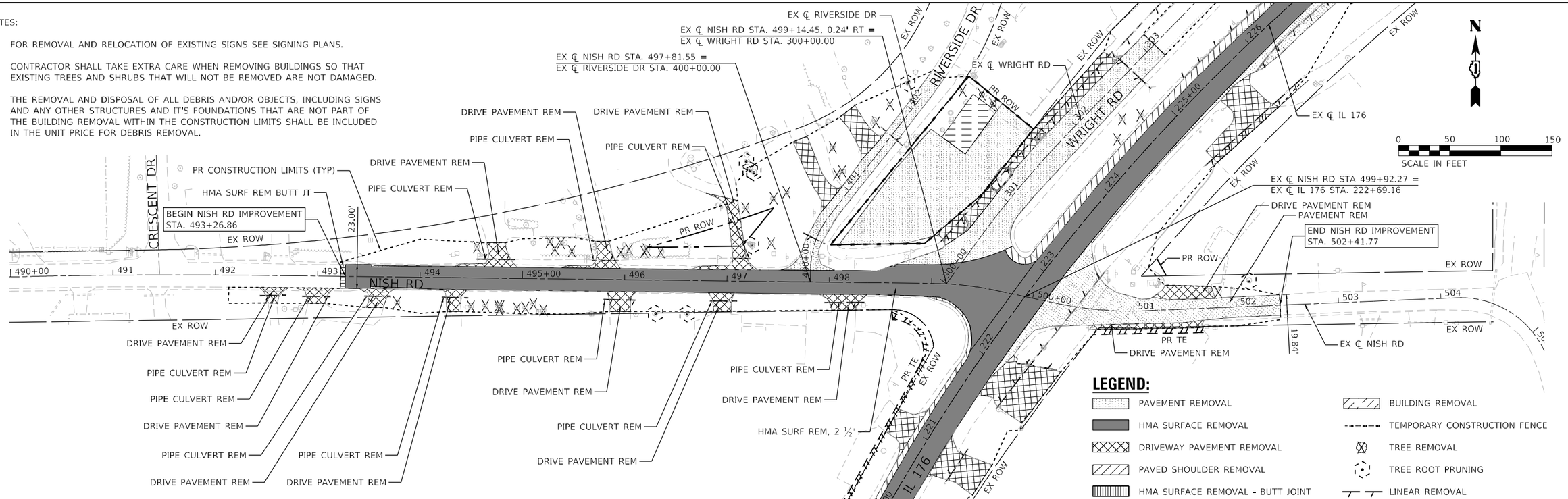
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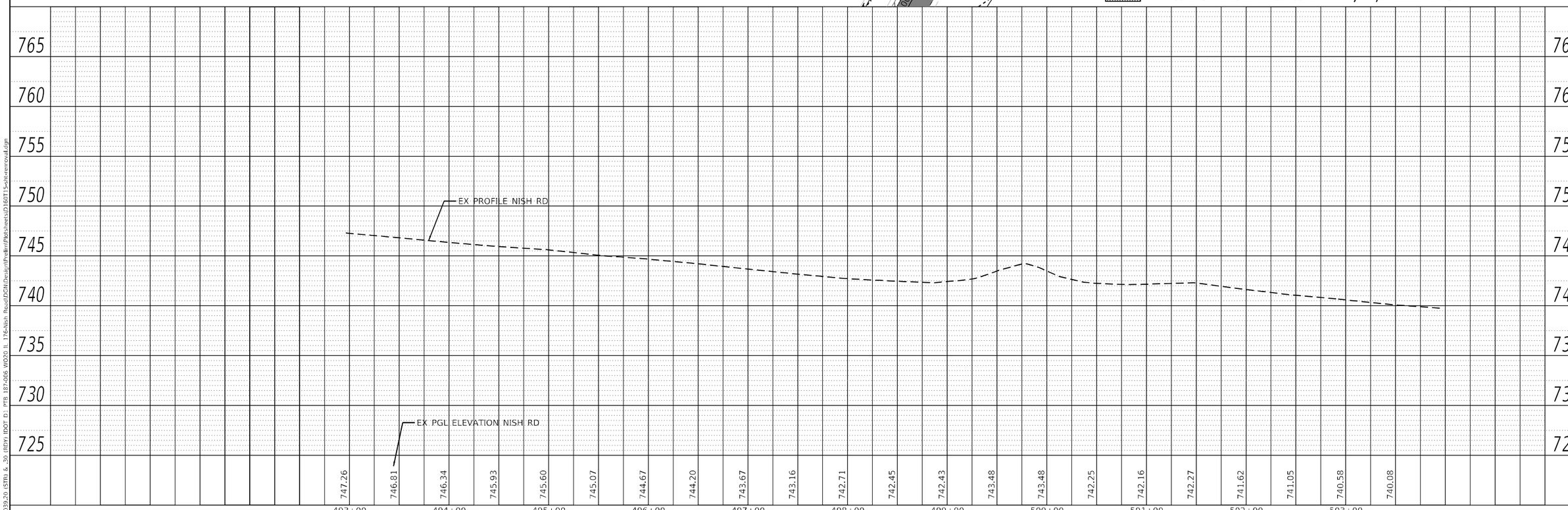
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NOTES:

1. FOR REMOVAL AND RELOCATION OF EXISTING SIGNS SEE SIGNING PLANS.
2. CONTRACTOR SHALL TAKE EXTRA CARE WHEN REMOVING BUILDINGS SO THAT EXISTING TREES AND SHRUBS THAT WILL NOT BE REMOVED ARE NOT DAMAGED.
3. THE REMOVAL AND DISPOSAL OF ALL DEBRIS AND/OR OBJECTS, INCLUDING SIGNS AND ANY OTHER STRUCTURES AND IT'S FOUNDATIONS THAT ARE NOT PART OF THE BUILDING REMOVAL WITHIN THE CONSTRUCTION LIMITS SHALL BE INCLUDED IN THE UNIT PRICE FOR DEBRIS REMOVAL.





USER NAME = RGall	DESIGNED - RG	REVISED -	**STATE OF ILLINOIS**
	DRAWN - CS	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	**IL 176 AT NISH RD**
PLOT DATE = 2/5/2021	DATE -	REVISED -	**REMOVAL PLAN AND EXISTING PROFILE – NISH RD**

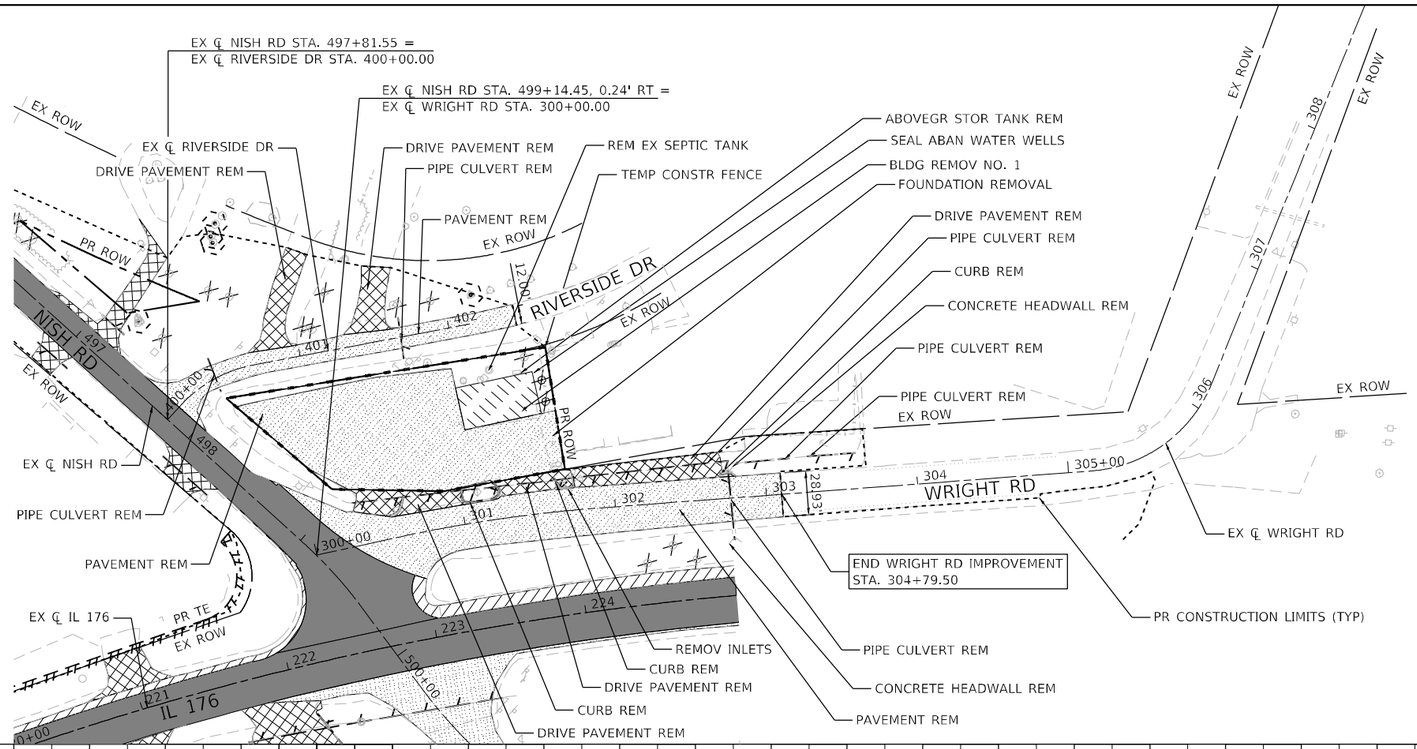
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

PLAN: SURVEYED, PLOTTED, DRAWN, CHECKED, QUANTITIES CHKD, NOTE BOOK, NO., BY, DATE; RT. OF WAY CHECKED, ALIGNMENT CHECKED, CADD FILE NAME

PROFILE: SURVEYED, PLOTTED, DRAWN, CHECKED, QUANTITIES CHKD, NOTE BOOK, BM: NOTED, NO., STRUCTURE NOTATNS CHKD

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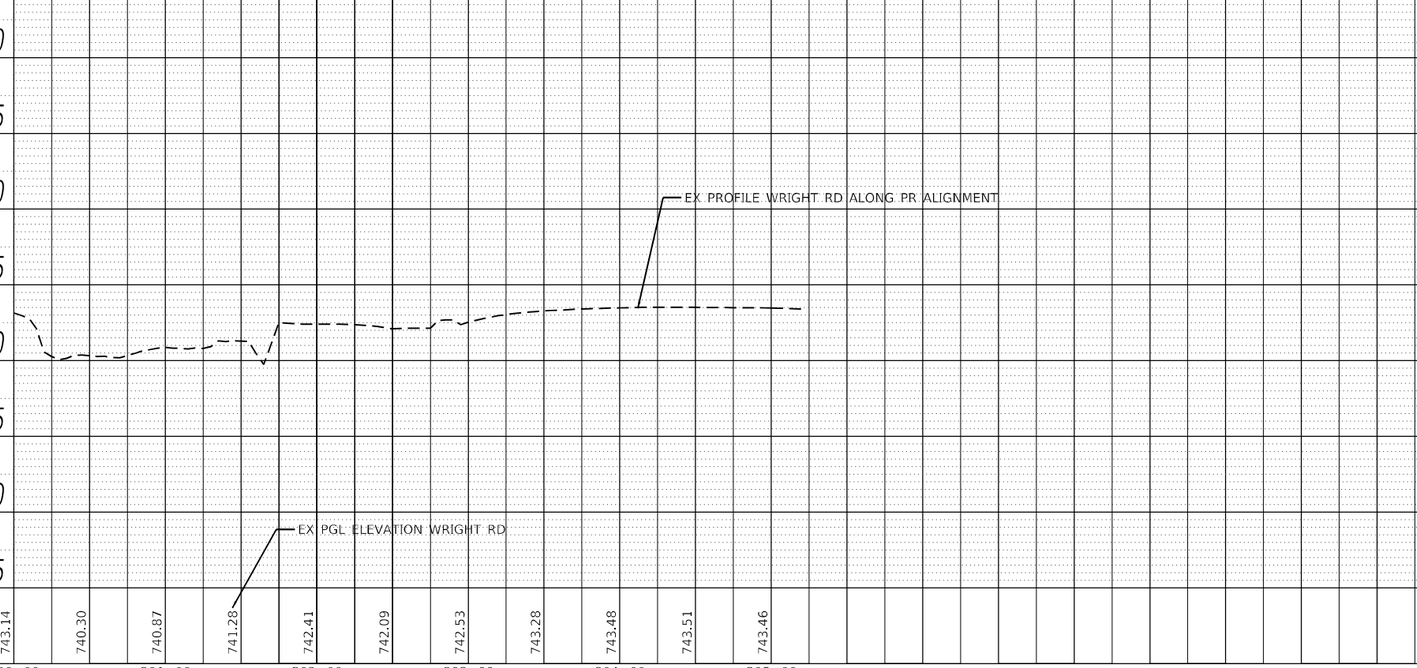


NOTES:

1. FOR REMOVAL AND RELOCATION OF EXISTING SIGNS SEE SIGNING PLANS.
2. CONTRACTOR SHALL TAKE EXTRA CARE WHEN REMOVING BUILDINGS SO THAT EXISTING TREES AND SHRUBS THAT WILL NOT BE REMOVED ARE NOT DAMAGED.
3. THE REMOVAL AND DISPOSAL OF ALL DEBRIS AND/OR OBJECTS, INCLUDING SIGNS AND ANY OTHER STRUCTURES AND IT'S FOUNDATIONS THAT ARE NOT PART OF THE BUILDING REMOVAL WITHIN THE CONSTRUCTION LIMITS SHALL BE INCLUDED IN THE UNIT PRICE FOR DEBRIS REMOVAL.

LEGEND:

- PAVEMENT REMOVAL
- HMA SURFACE REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- HMA SURFACE REMOVAL - BUTT JOINT
- BUILDING REMOVAL
- TEMPORARY CONSTRUCTION FENCE
- TREE REMOVAL
- TREE ROOT PRUNING
- LINEAR REMOVAL



PLAN: SURVEYED, PLOTTED, CROSS CHECKED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, CROSS CHECKED, BKR. MOTED, STRUCTURE NO(S)/ATR(S) CHKD

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

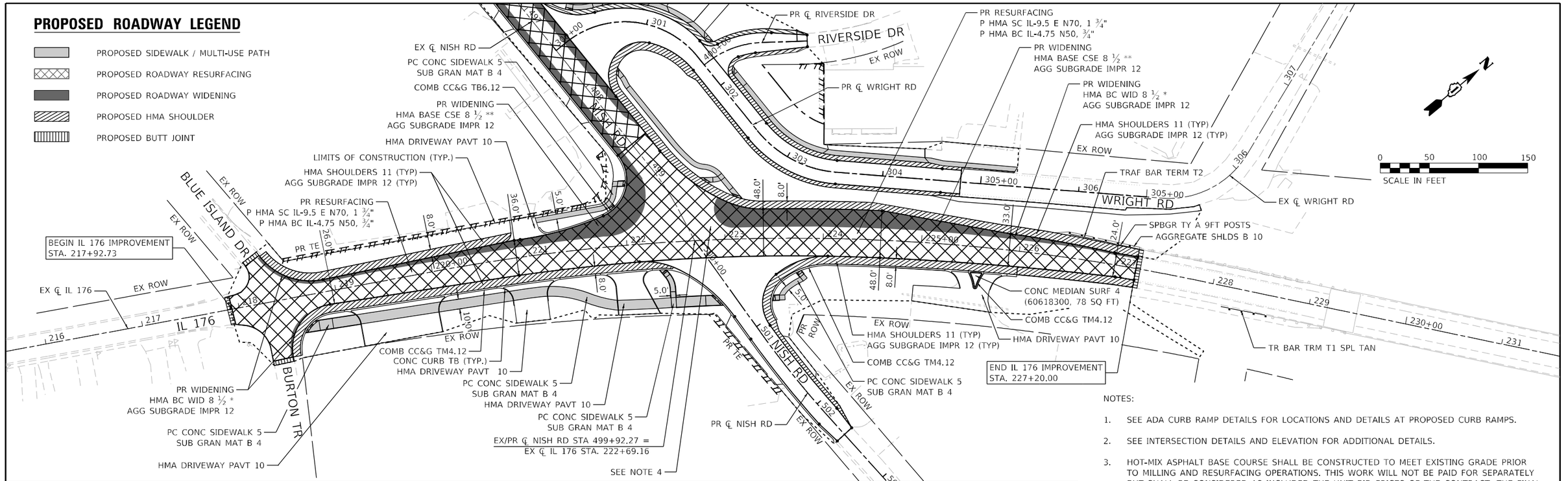
IL 176 AT NISH RD
REMOVAL PLAN AND EXISTING PROFILE – WRIGHT RD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	36
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

PROPOSED ROADWAY LEGEND

- PROPOSED SIDEWALK / MULTI-USE PATH
- PROPOSED ROADWAY RESURFACING
- PROPOSED ROADWAY WIDENING
- PROPOSED HMA SHOULDER
- PROPOSED BUTT JOINT

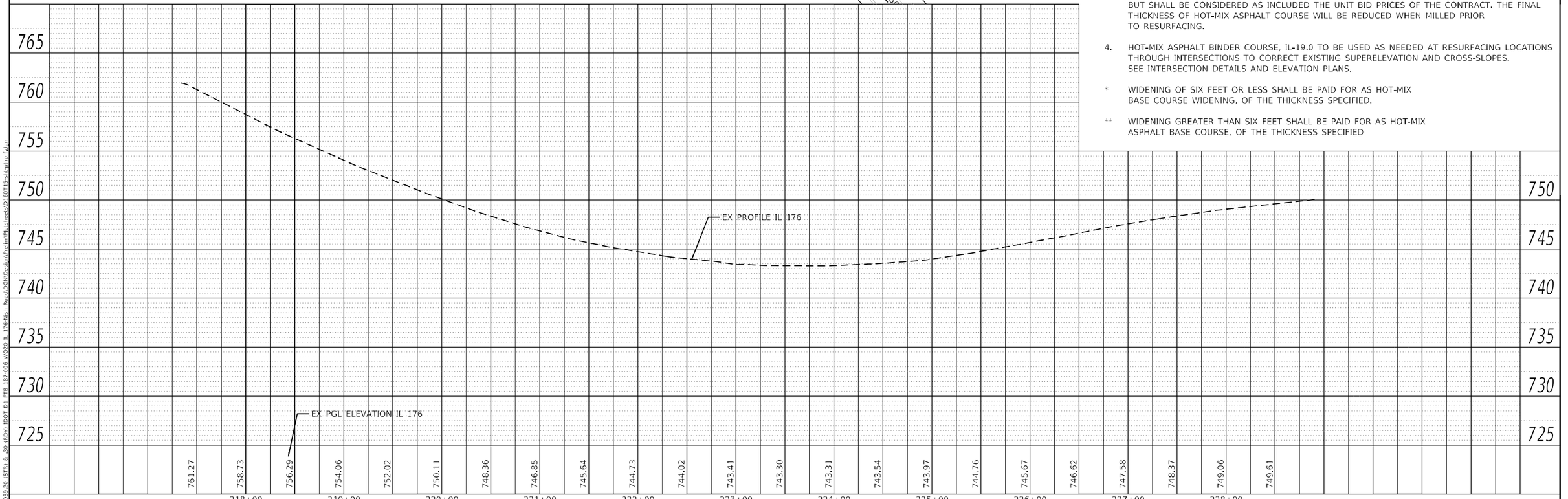


NOTES:

1. SEE ADA CURB RAMP DETAILS FOR LOCATIONS AND DETAILS AT PROPOSED CURB RAMPS.
2. SEE INTERSECTION DETAILS AND ELEVATION FOR ADDITIONAL DETAILS.
3. HOT-MIX ASPHALT BASE COURSE SHALL BE CONSTRUCTED TO MEET EXISTING GRADE PRIOR TO MILLING AND RESURFACING OPERATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED THE UNIT BID PRICES OF THE CONTRACT. THE FINAL THICKNESS OF HOT-MIX ASPHALT COURSE WILL BE REDUCED WHEN MILLED PRIOR TO RESURFACING.
4. HOT-MIX ASPHALT BINDER COURSE, IL-19.0 TO BE USED AS NEEDED AT RESURFACING LOCATIONS THROUGH INTERSECTIONS TO CORRECT EXISTING SUPERELEVATION AND CROSS-SLOPES. SEE INTERSECTION DETAILS AND ELEVATION PLANS.

* WIDENING OF SIX FEET OR LESS SHALL BE PAID FOR AS HOT-MIX BASE COURSE WIDENING, OF THE THICKNESS SPECIFIED.

** WIDENING GREATER THAN SIX FEET SHALL BE PAID FOR AS HOT-MIX ASPHALT BASE COURSE, OF THE THICKNESS SPECIFIED



PLAN — SURVEYED | PLOTTED | CROSS CHECKED | R/W, NOTED | STRUCTURE NOTATNS CHKD | NOTE BOOK | NO. | R/W AGREEMENT CHECKED | R/T. OF WAY CHECKED | CADD FILE NAME | DATE | BY

PROFILE — SURVEYED | PLOTTED | CROSS CHECKED | R/W, NOTED | STRUCTURE NOTATNS CHKD | NOTE BOOK | NO.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

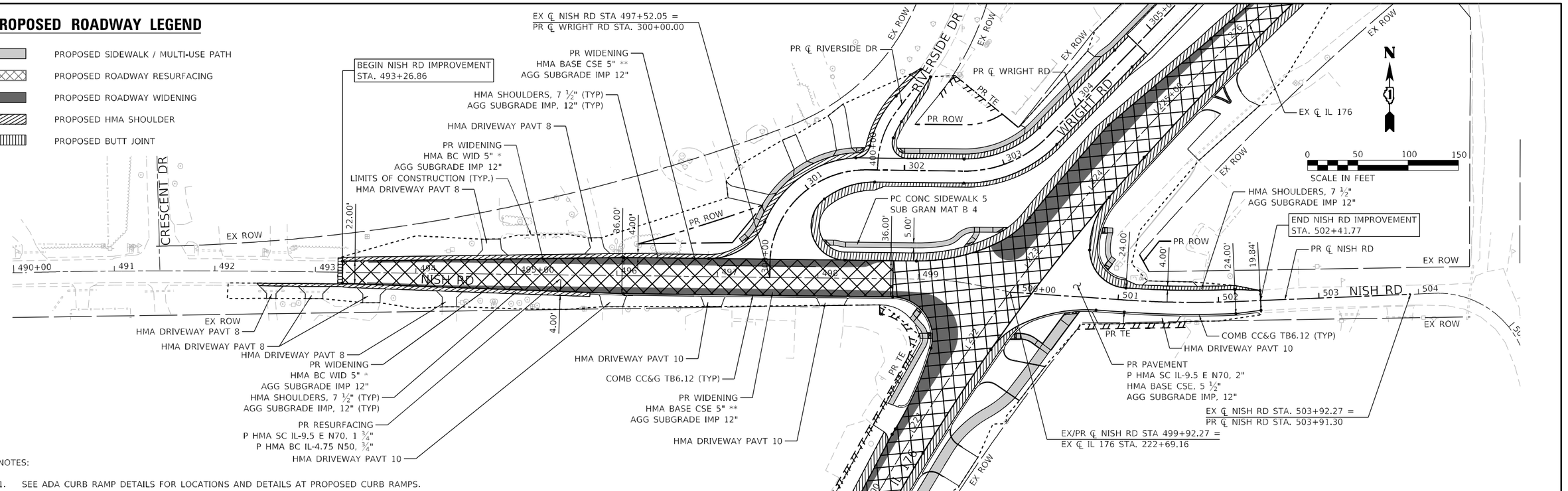
IL 176 AT NISH RD
PROPOSED PLAN AND PROFILE – IL 176

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	37
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

PROPOSED ROADWAY LEGEND

- PROPOSED SIDEWALK / MULTI-USE PATH
- PROPOSED ROADWAY RESURFACING
- PROPOSED ROADWAY WIDENING
- PROPOSED HMA SHOULDER
- PROPOSED BUTT JOINT

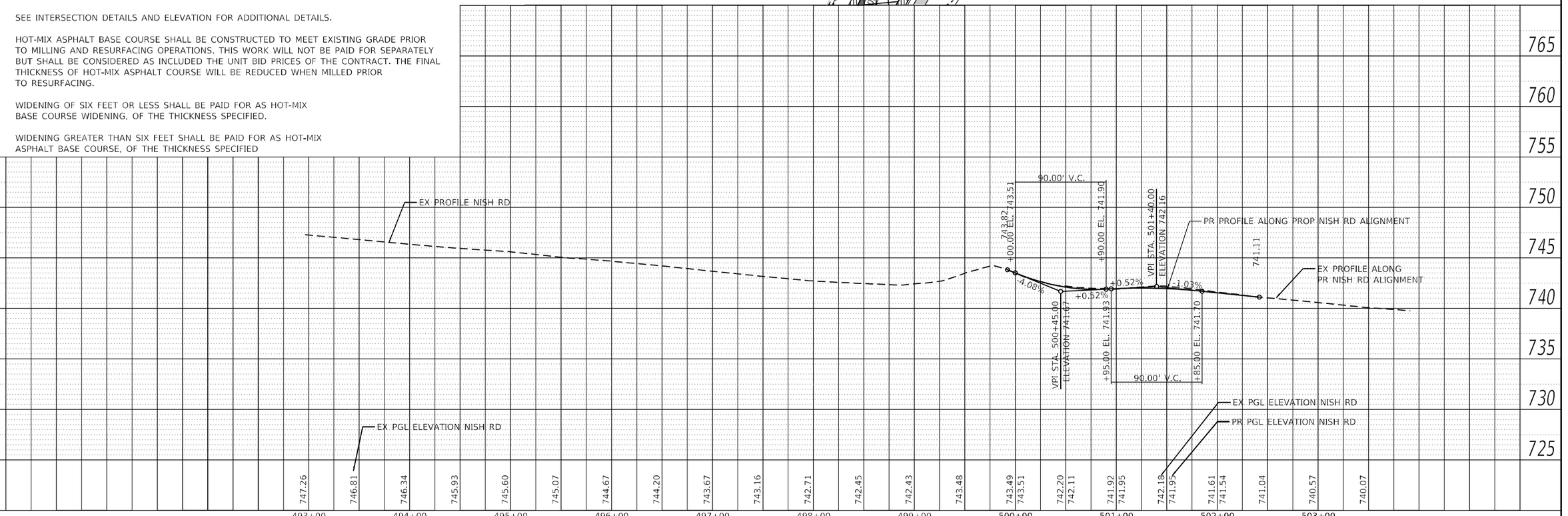


NOTES:

1. SEE ADA CURB RAMP DETAILS FOR LOCATIONS AND DETAILS AT PROPOSED CURB RAMPS.
2. SEE INTERSECTION DETAILS AND ELEVATION FOR ADDITIONAL DETAILS.
3. HOT-MIX ASPHALT BASE COURSE SHALL BE CONSTRUCTED TO MEET EXISTING GRADE PRIOR TO MILLING AND RESURFACING OPERATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED THE UNIT BID PRICES OF THE CONTRACT. THE FINAL THICKNESS OF HOT-MIX ASPHALT COURSE WILL BE REDUCED WHEN MILLED PRIOR TO RESURFACING.

* WIDENING OF SIX FEET OR LESS SHALL BE PAID FOR AS HOT-MIX BASE COURSE WIDENING, OF THE THICKNESS SPECIFIED.

** WIDENING GREATER THAN SIX FEET SHALL BE PAID FOR AS HOT-MIX ASPHALT BASE COURSE, OF THE THICKNESS SPECIFIED



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PLOT DATE = 2/5/2021	DATE -	REVISED -	**PROPOSED PLAN AND PROFILE – NISH RD**

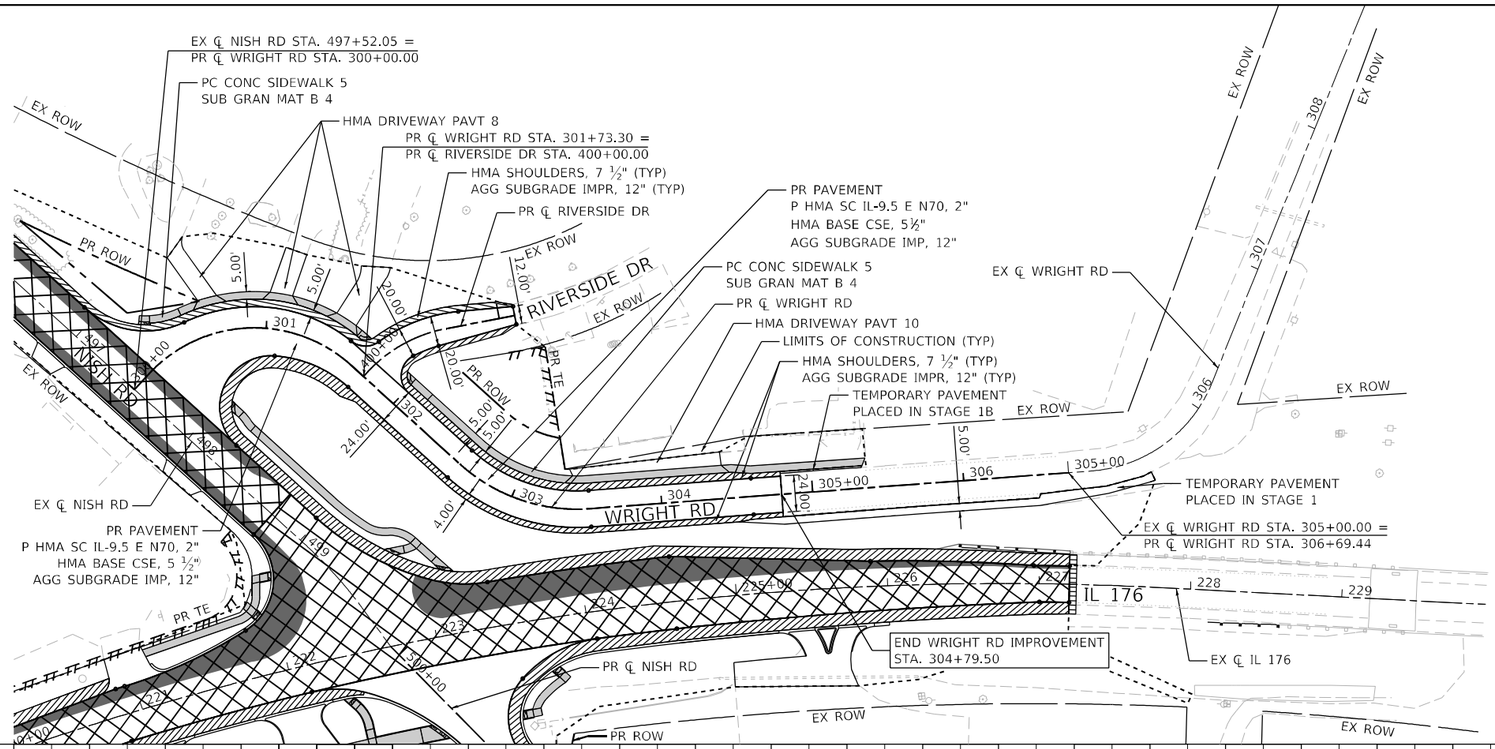
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	38
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

PLAN: SURVEYED | PLOTTED | CROSS SECTIONS CHECKED | NOTE BOOK | NO. | ALIGNMENT CHECKED | RT. OF WAY CHECKED | CADD FILE NAME | BY | DATE

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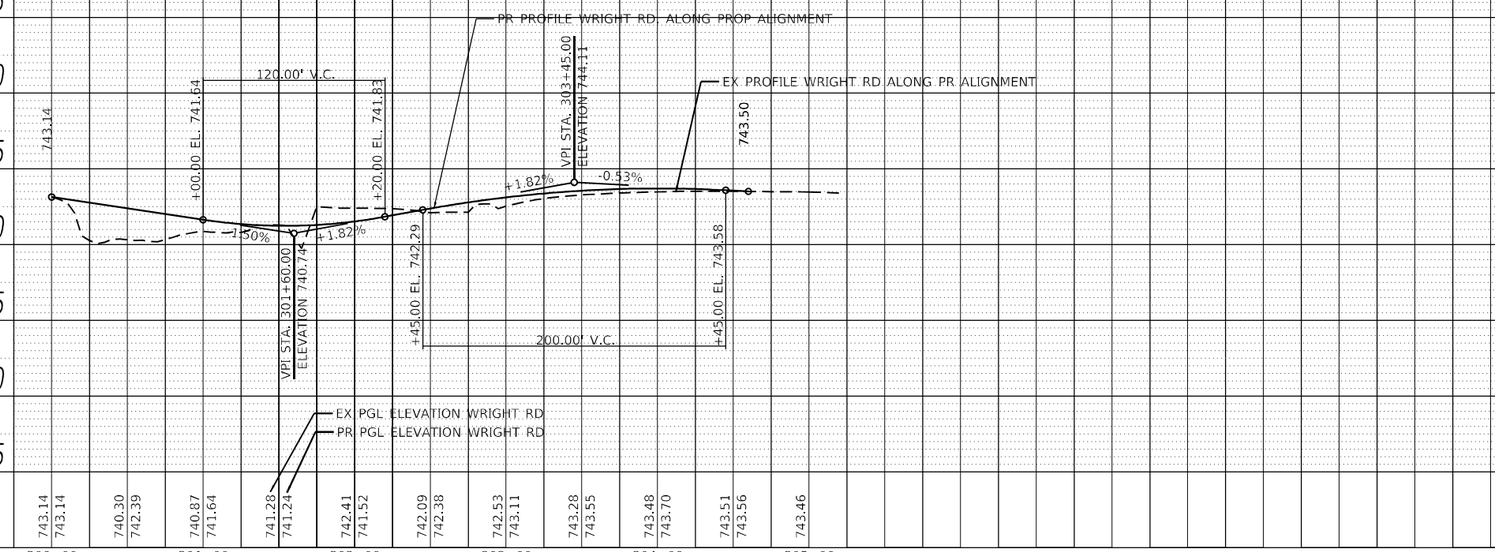
PROPOSED ROADWAY LEGEND

- PROPOSED SIDEWALK / MULTI-USE PATH
- PROPOSED ROADWAY RESURFACING
- PROPOSED ROADWAY WIDENING
- PROPOSED HMA SHOULDER
- PROPOSED BUTT JOINT

0 50 100 150
SCALE IN FEET

NOTES:

1. SEE ADA CURB RAMP DETAILS FOR LOCATIONS AND DETAILS AT PROPOSED CURB RAMPS.
2. SEE INTERSECTION DETAILS AND ELEVATION FOR ADDITIONAL DETAILS.



PLAN — SURVEYED | PLOTTED | CHECKED | ALIGNMENT CHECKED | RT. OF WAY CHECKED | CADD FILE NAME | NOTE BOOK | NO. | BY | DATE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
PROPOSED PLAN AND PROFILE – WRIGHT RD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	39
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

MAINTENANCE OF TRAFFIC – GENERAL NOTES

1. SEE SPECIAL PROVISIONS TITLED TRAFFIC CONTROL AND PROTECTION ARTERIAL AND TRAFFIC CONTROL PLAN.

2. THE CONTRACTOR SHALL REMOVE AND SAFELY STORE (FREE FROM THEFT OR DAMAGE) OR COVER ALL CONFLICTING EXISTING SIGNS FOR THE DURATION OF THE CONSTRUCTION. ALL SIGNS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE END OF THE CONSTRUCTION.

3. THE FOLLOWING APPLY TO CONSTRUCTION SIGNS:

   A) THE CONTRACTOR SHALL FURNISH ALL SIGNS.

   B) ALL SIGNS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION (SPECIAL) PAY ITEM, EXCEPT FOR TEMPORARY INFORMATIONAL SIGNING AS NOTED ON THE PLANS.

4. ANY RAISED REFLECTIVE PAVEMENT MARKERS THAT CONFLICT WITH THE TEMPORARY TRAFFIC LANES MUST HAVE THE REFLECTIVE LENSES REMOVED AS DIRECTED BY THE ENGINEER.

5. ALL TEMPORARY PAVEMENT MARKINGS DURING STAGED CONSTRUCTION SHALL BE PAVEMENT MARKING TAPE, TYPE IV OF THE WIDTH AND COLOR SPECIFIED ON THE PLAN SHEETS.

6. ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION AFTER 7 DAYS OF SERVICE SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. SUFFICIENT QUANTITIES FOR 2 APPLICATIONS OF TEMPORARY PAVEMENT MARKINGS HAVE BEEN PROVIDED FOR EACH STAGE.

7. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ACCESS TO ALL COMMERCIAL AND RESIDENTIAL ENTRANCES FOR THE ENTIRE DURATION OF THE PROJECT UNLESS OTHERWISE SHOWN ON THE PLANS. COORDINATE WITH PROPERTY OWNERS 24 HOURS IN ADVANCE OF CONSTRUCTION.

8. SIDE ROAD, INTERSECTIONS, AND DRIVEWAY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH DISTRICT DETAIL TC-10. SIGNING FOR COMMERCIAL DRIVEWAYS SHALL FOLLOW DISTRICT DETAIL TC-26.

9. SHORT-TERM DAILY LANE CLOSURES MAY BE REQUIRED FOR INSTALLATION OF PERMANENT PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH HIGHWAY STANDARD 701501.

10. IL 176 WORK ZONE SPEED LIMIT = 40 MPH
    NISH RD WORK ZONE SPEED LIMIT = 35 MPH
    WRIGHT RD WORK ZONE SPEED LIMIT = 30 MPH

MAINTENANCE OF TRAFFIC – STAGING NOTES

PRE-STAGE (IL 176)

TRAFFIC

1. UTILIZE STD 701501 AND FLAGGERS IN AREAS WHICH REQUIRE TEMPORARY PAVEMENT.

CONSTRUCTION

2. CONSTRUCT TEMPORARY PAVEMENT ON WEST SIDE OF IL 176 SOUTH OF NISH ROAD.

PRE-STAGE (NISH RD)

TRAFFIC

1. UTILIZE STD 701501 AND FLAGGERS IN AREAS WHICH REQUIRE TEMPORARY PAVEMENT.

CONSTRUCTION

1. CONSTRUCT TEMPORARY PAVEMENT ON SOUTH SIDE OF NISH RD WEST OF IL 176.

PRE-STAGE (WRIGHT RD)

TRAFFIC

1. MAINTAIN TWO 11-FOOT LANES OF TRAFFIC.
2. UTILIZE TEMPORARY CONCRETE BARRIER AS SHOWN IN TYPICAL SECTIONS AND PLANS.

CONSTRUCTION

1. CONSTRUCT TEMPORARY PAVEMENT ON EAST SIDE OF WRIGHT RD.
2. CONSTRUCT STORM SEWER BETWEEN WRIGHT RD AND IL 176.

MAINTENANCE OF TRAFFIC – STAGING NOTES (CONT)

STAGE 1A (WRIGHT RD)

TRAFFIC

1. MAINTAIN TWO 11-FOOT LANES, SHIFTING TRAFFIC TO TEMPORARY PAVEMENT AND NORTHBOUND LANE.
2. CLOSE RIVERSIDE DR, UTILIZE DETOUR.

CONSTRUCTION

1. CONSTRUCT SOUTHBOUND LANE AND SHOULDER, DO NOT PLACE FINAL WEARING SURFACE.
2. CONSTRUCT WEST SIDE DITCHES AND PROPOSED WORK WITHIN ROW.

STAGE 1B (WRIGHT RD)

TRAFFIC

1. MAINTAIN 11-FOOT NORTHBOUND LANE, SHIFTING TRAFFIC TO TEMPORARY PAVEMENT.
2. MAINTAIN 11-FOOT SOUTHBOUND LANE SHIFTING TRAFFIC TO NEWLY CONSTRUCTED SHOULDER AND SOUTHBOUND LANE.

CONSTRUCTION

1. CONSTRUCT NORTHBOUND LANE, DO NOT PLACE FINAL WEARING SURFACE.

STAGE 1C (WRIGHT RD)

TRAFFIC

1. MAINTAIN TWO 11-FOOT LANES ON NEWLY CONSTRUCTED PAVEMENT.

CONSTRUCTION

1. REMOVE TEMPORARY PAVEMENT.
2. CONSTRUCT NORTHBOUND SHOULDER, DO NOT PLACE FINAL WEARING SURFACE.

STAGE 1D (WRIGHT RD)

TRAFFIC

1. UTILIZE STD 701501 AND FLAGGERS DURING PAVING OPERATIONS.

CONSTRUCTION

1. PLACE FINAL WEARING SURFACE ON WRIGHT RD AND RIVERSIDE DRIVE.

WINTER STAGE (IL 176)

TRAFFIC

1. RETURN TRAFFIC TO EXISTING CONFIGURATION

CONSTRUCTION

1. NONE

WINTER STAGE (NISH RD)

TRAFFIC

1. RETURN TRAFFIC TO EXISTING CONFIGURATION

CONSTRUCTION

1. NONE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
MAINTENANCE OF TRAFFIC – STAGING NOTES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	40
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

MAINTENANCE OF TRAFFIC – STAGING NOTES (CONT)

STAGE 2 (IL 176)

TRAFFIC

1. MAINTAIN TWO 11-FOOT LANES, SHIFTING TRAFFIC TO SOUTHBOUND SHOULDER AND SOUTHBOUND LANE.
2. UTILIZE STD 701501 AND FLAGGERS IN AREAS WHICH REQUIRE PATCHING.

CONSTRUCTION

1. CONSTRUCT NORTHBOUND SHOULDER, DO NOT PLACE FINAL WEARING SURFACE.
2. CONSTRUCT NORTHBOUND CURB AND GUTTER.
3. PATCH NORTHBOUND LANES.
4. CONSTRUCT EAST SIDE STORM SEWER.
5. CONSTRUCT EAST SIDE DITCHES AND PROPOSED WORK WITHIN ROW.

STAGE 2 (NISH RD)

TRAFFIC

1. MAINTAIN TWO 11-FOOT LANES, SHIFTING TRAFFIC TO SOUTH.
2. UTILIZE STD 701501 AND FLAGGERS IN AREAS WHICH REQUIRE PATCHING.

CONSTRUCTION

1. CONSTRUCT WESTBOUND SHOULDER, DO NOT PLACE FINAL WEARING SURFACE.
2. PATCH WESTBOUND LANES.
3. CONSTRUCT NORTH SIDE DITCHES AND PROPOSED WORK WITHIN ROW.

STAGE 3 (IL -176)

TRAFFIC

1. MAINTAIN TWO 11-FOOT LANES, SHIFTING TRAFFIC TO NORTHBOUND SHOULDER AND NORTHBOUND LANE.
2. UTILIZE STD 701501 AND FLAGGERS IN AREAS WHICH REQUIRE PATCHING.

CONSTRUCTION

1. CONSTRUCT SOUTHBOUND SHOULDER, DO NOT PLACE FINAL WEARING SURFACE.
2. CONSTRUCT SOUTHBOUND CURB AND GUTTER.
3. PATCH SOUTHBOUND LANES.
4. CONSTRUCT WEST SIDE DITCHES AND PROPOSED WORK BETWEEN IL 176 AND WRIGHT RD.

STAGE 3 (NISH RD)

TRAFFIC

1. MAINTAIN TWO 11-FOOT LANES, SHIFTING TRAFFIC TO NORTH.
2. UTILIZE STD 701501 AND FLAGGERS IN AREAS WHICH REQUIRE PATCHING.
3. CLOSE EAST LEG OF NISH RD, UTILIZE DETOUR.

CONSTRUCTION

1. CONSTRUCT EASTBOUND SHOULDER, DO NOT PLACE FINAL WEARING SURFACE.
2. PATCH EASTBOUND LANES.
3. CONSTRUCT SOUTH SIDE DITCHES AND PROPOSED WORK WITHIN ROW.

STAGE 4

TRAFFIC

1. UTILIZE STD 701501 AND FLAGGERS DURING PAVING OPERATIONS.

CONSTRUCTION

1. PLACE FINAL WEARING SURFACE ON IL 176 AND NISH RD.

MOTORIST NOTIFICATION FOR TURNING ON NEW TRAFFIC SIGNALS

THIS PROCEDURE SHALL BE FOLLOWED WHENEVER A NEW TRAFFIC SIGNAL IS TURNED ON WHERE SIGNALS DID NOT PREVIOUSLY EXIST.

2 WEEKS PRIOR TO SCHEDULED SIGNAL TURN-ON:
PLACE A CHANGEABLE MESSAGE SIGN (CMS) ON EACH MAINLINE APPROACH TO THE INTERSECTION WHICH READS:

NEW TRAFFIC SIGNAL	STARTING MMM ##

[INSERT 3-DIGIT MONTH ABBREVIATION & DATE FOR SCHEDULED TURN-ON]

ON THE DAY OF THE TURN-ON, CHANGE MESSAGES TO READ:

NEW SIGNAL AHEAD	BE PREPARED TO STOP

OVERSIZED YELLOW W3-3 SIGNAL AHEAD WARNING SIGNS SHALL BE PLACED ON EACH APPROACH TO THE INTERSECTION, EACH WITH A W16-15P "NEW" PLAQUE MOUNTED ABOVE THEM WITH A TEMPORARY POST EXTENSION ON IT, AND AN 18" X 18" ORANGE FLAG MOUNTED ON THE TRAFFIC SIDE OF EACH "NEW" PLAQUE. THESE SIGN ASSEMBLIES SHALL ALSO BE INSTALLED ON RAISED BARRIER MEDIANS OF MULTILANE HIGHWAYS (2ND LEFT SIDE INSTALLATION ACROSS FROM THE SIGN ON THE RIGHT SIDE) WHERE APPLICABLE).

THE TEMPORARY WARNING DEVICES AND SIGN ACCESSORIES SHALL BE REMOVED IN THE FOLLOWING ORDER:

- CHANGEABLE MESSAGE SIGNS – 2 WEEKS AFTER SIGNAL TURN-ON
- W16-15P "NEW" PLAQUES – 4 WEEKS AFTER SIGNAL TURN-ON
- ORANGE FLAGS – 2 MONTHS AFTER SIGNAL TURN-ON
- IF THE W3-3 SIGNAL AHEAD WARNING SIGNS ARE NOT WARRANTED BY THE MUTCD (THIS DETERMINATION SHALL BE MADE SOLELY BY THE AREA TRAFFIC FIELD ENGINEER/TECHNICIAN), THEN THEY SHALL BE REMOVED AS WELL AFTER A PERIOD OF 2 MONTHS FOLLOWING THE SIGNAL TURN-ON. THIS DETERMINATION SHALL BE MADE SEPARATELY FOR EACH APPROACH TO THE INTERSECTION, AS CONDITIONS MAY VARY BY DIRECTION REQUIRING THE SIGNS TO REMAIN PERMANENTLY IN ONE DIRECTION AND NOT IN THE OTHER DIRECTION. WHERE SIGNS ARE STILL WARRANTED TO REMAIN, THEN AFTER 2 MONTHS THEY MAY BE REPLACED WITH STANDARD SIZE SIGNS (REMOVE THE OVERSIZE SIGNS AND REPLACE WITH THE NORMAL STANDARD SIZE).

CHANGEABLE MESSAGE SIGNS, W3-3 SIGNAL AHEAD SIGNS, "NEW" PLAQUES, AND FLAGS SHOULD ALL BE PROVIDED IN THE CONTRACT. SEQUENTIAL REMOVAL OF THESE ITEMS WILL BE PERFORMED BY THE SIGN SHOP. INSTALLATION OF THE SIGNS (POSSIBLY REPLACING INTERSECTION WARNING SIGNS WITH THE W3-3 SIGNS) SHALL BE COORDINATED TO BE COMPLETED ON THE DAY OF THE TRAFFIC SIGNAL TURN-ON SCHEDULED WITH THE AREA TRAFFIC SIGNAL ENGINEER. CONTACT THE AREA TRAFFIC FIELD ENGINEER/TECHNICIAN AS SOON AS THE TURN-ON IS SCHEDULED TO COORDINATE.

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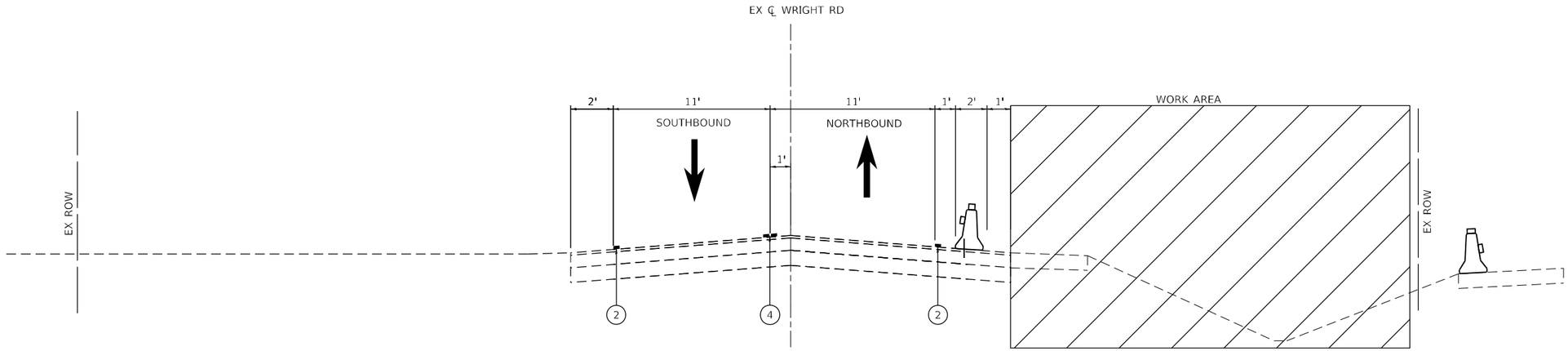
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PLOT DATE = 2/5/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

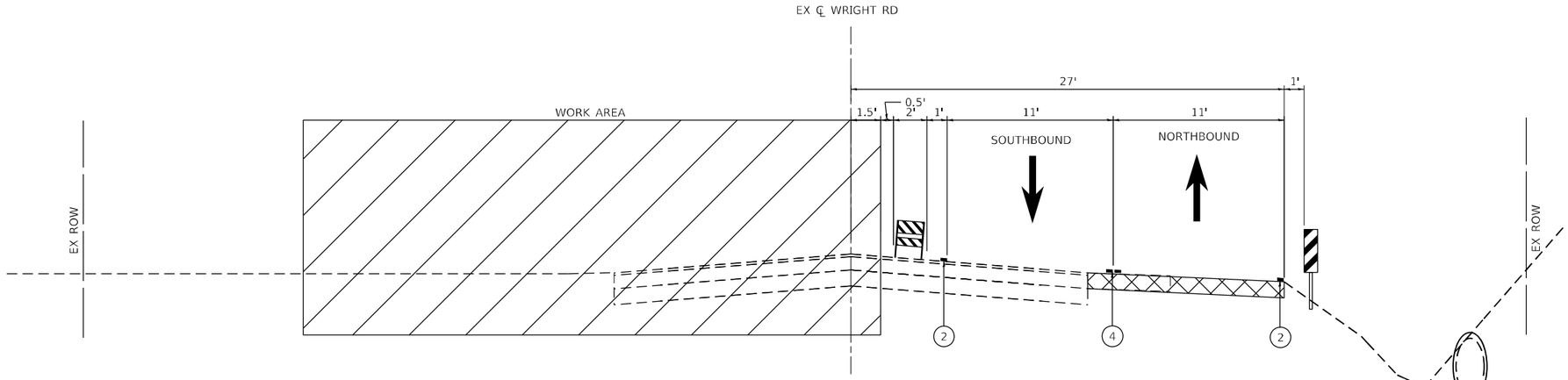
IL 176 AT NISH RD
MAINTENANCE OF TRAFFIC – STAGING NOTES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	41
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		



WRIGHT RD
PRE-STAGE



WRIGHT RD
STAGE 1A

LEGEND

- WORK AREA
- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT (CONSTRUCTED IN PREVIOUS STAGE)
- DIRECTION OF TRAFFIC FLOW
- DRUM OR TYPE II BARRICADE (SPACED 50' C-C OR AS NOTED BELOW)
  DEVICES IN TAPER (20' C-C)
  DEVICES IN RADII (10' C-C)
- DOUBLE VERTICAL PANELS (50' C-C) (10' C-C IN RADII)
- TEMPORARY CONCRETE BARRIER WALL
  W/ TYPE C BARRIER WALL MARKERS
  (FREE STANDING)
- TEMPORARY CONCRETE BARRIER WALL
  W/ TYPE C BARRIER WALL MARKERS
  (ANCHORED ON TRAFFIC SIDE)

1. EXISTING PAVEMENT MARKING
2. PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE)
3. PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW)
4. PAVEMENT MARKING TAPE TYPE IV - LINE 4" (DOUBLE YELLOW) @ 11" C-C
   W/ TEMPORARY RAISED PAVEMENT MARKERS @ 40' C-C

USER NAME = JBerggren	DESIGNED - RG	REVISED -
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PLOT DATE = 4/23/2021	DATE -	REVISED -

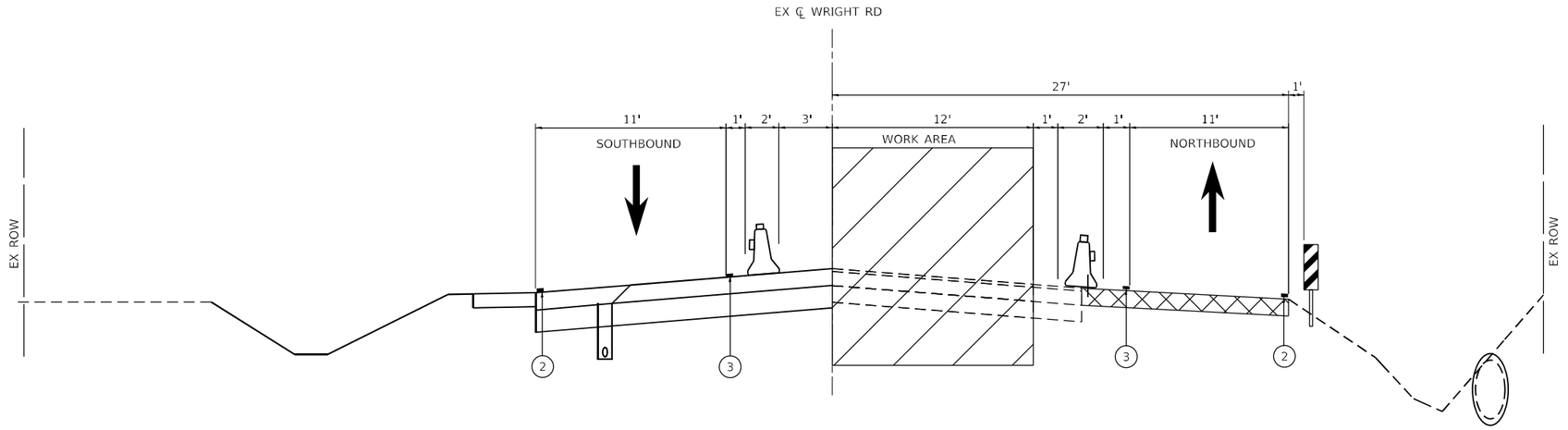
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
STAGING TYPICALS

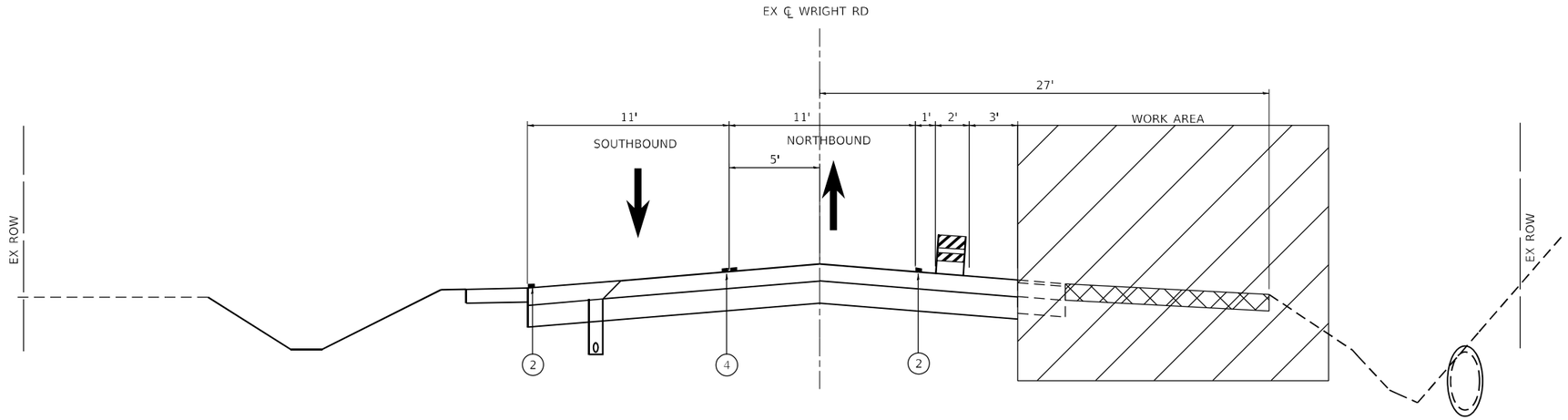
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	42
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: 21-18039-20 (STRI & 30 (RDY) IDOT D1 PTB 187-006 W020 IL 176-Nish Road\DGN\Design\Prelim\Plansheets\D160715-cht-typical-staging-01.dgn



WRIGHT RD
STAGE 1B



WRIGHT RD
STAGE 1C

LEGEND

- WORK AREA
- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT (CONSTRUCTED IN PREVIOUS STAGE)
- DIRECTION OF TRAFFIC FLOW
- DRUM OR TYPE II BARRICADE (SPACED 50' C-C OR AS NOTED BELOW)
  DEVICES IN TAPER (20' C-C)
  DEVICES IN RADII (10' C-C)
- DOUBLE VERTICAL PANELS (50' C-C) (10' C-C IN RADII)
- TEMPORARY CONCRETE BARRIER WALL W/ TYPE C BARRIER WALL MARKERS (FREE STANDING)
- TEMPORARY CONCRETE BARRIER WALL W/ TYPE C BARRIER WALL MARKERS (ANCHORED ON TRAFFIC SIDE)
- (1) EXISTING PAVEMENT MARKING
- (2) PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE)
- (3) PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW)
- (4) PAVEMENT MARKING TAPE TYPE IV - LINE 4" (DOUBLE YELLOW) @ 11" C-C W/ TEMPORARY RAISED PAVEMENT MARKERS @ 40' C-C

USER NAME = JBerggren	DESIGNED - RG	REVISED -
	DRAWN - CS	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -
PLOT DATE = 4/23/2021	DATE -	REVISED -

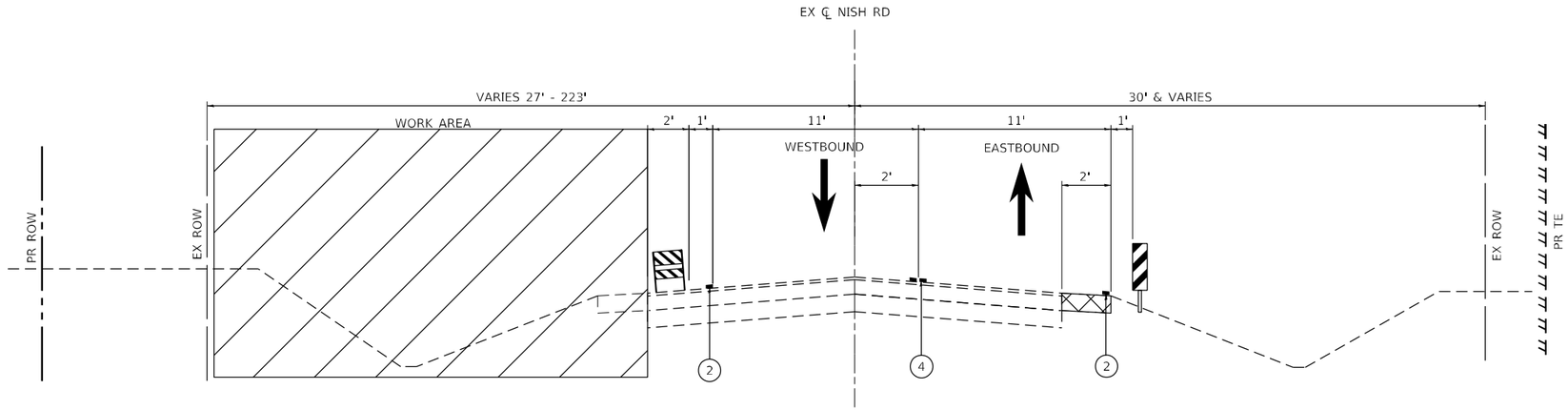
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
STAGING TYPICALS

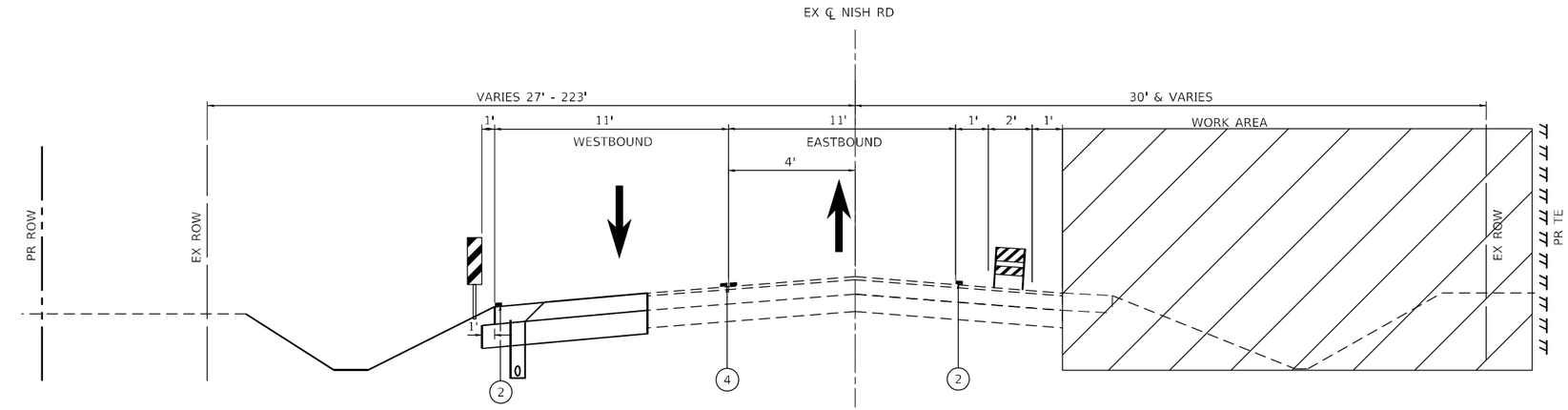
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	43
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: Z:\18039.20 (STR) & .30 (RDY) IDOT D1 PTB 187-006 WO20 IL 176-Nish Rd\e\IDGN\Design\Prelim\Plansheets\D1601T15-stnt-typical-staging-c02.dgn



NISH RD – WEST LEG
STAGE 2



NISH RD – WEST LEG
STAGE 3

LEGEND

- WORK AREA
- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT (CONSTRUCTED IN PREVIOUS STAGE)
- DIRECTION OF TRAFFIC FLOW
- DRUM OR TYPE II BARRICADE (SPACED 50' C-C OR AS NOTED BELOW)
  DEVICES IN TAPER (20' C-C)
  DEVICES IN RADII (10' C-C)
- DOUBLE VERTICAL PANELS (50' C-C) (10' C-C IN RADII)
- TEMPORARY CONCRETE BARRIER WALL
  W/ TYPE C BARRIER WALL MARKERS
  (FREE STANDING)
- TEMPORARY CONCRETE BARRIER WALL
  W/ TYPE C BARRIER WALL MARKERS
  (ANCHORED ON TRAFFIC SIDE)
- (1) EXISTING PAVEMENT MARKING
- (2) PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE)
- (3) PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW)
- (4) PAVEMENT MARKING TAPE TYPE IV - LINE 4" (DOUBLE YELLOW) @ 11" C-C
  W/ TEMPORARY RAISED PAVEMENT MARKERS @ 40' C-C

MODEL: Default
FILE NAME: Z:\18039.20 (STRI & .30 (RDY) IDOT D1 PTB 187-066 WO20 IL 176-Nish Road\DGN\Design\Prelim\Plansheets\D160T15-sht-typical-staging-03.dgn

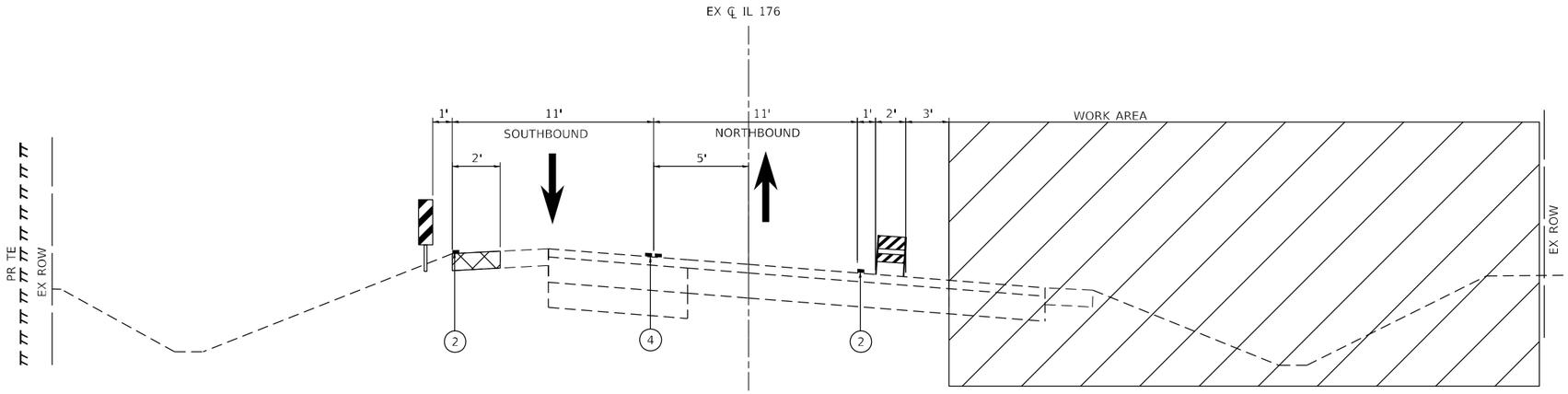
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	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 4/23/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

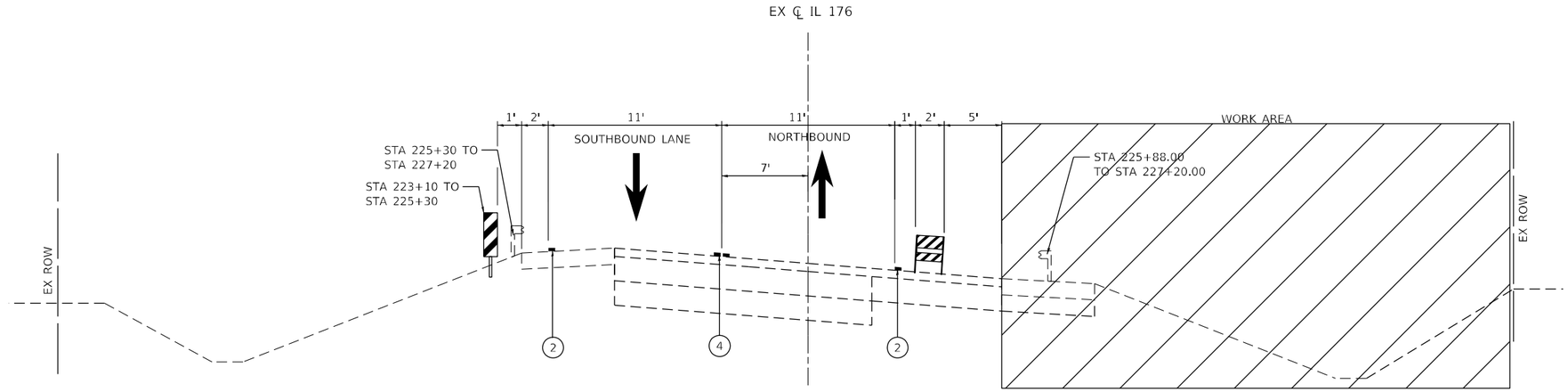
IL 176 AT NISH RD
STAGING TYPICALS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	44
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			



IL 176 – SOUTH LEG
STAGE 2



IL 176 – NORTH LEG
STAGE 2

LEGEND

- WORK AREA
- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT (CONSTRUCTED IN PREVIOUS STAGE)
- DIRECTION OF TRAFFIC FLOW
- DRUM OR TYPE II BARRICADE (SPACED 50' C-C OR AS NOTED BELOW)
  DEVICES IN TAPER (20' C-C)
  DEVICES IN RADII (10' C-C)
- DOUBLE VERTICAL PANELS (50' C-C) (10' C-C IN RADII)
- TEMPORARY CONCRETE BARRIER WALL
  W/ TYPE C BARRIER WALL MARKERS
  (FREE STANDING)
- TEMPORARY CONCRETE BARRIER WALL
  W/ TYPE C BARRIER WALL MARKERS
  (ANCHORED ON TRAFFIC SIDE)
- (1) EXISTING PAVEMENT MARKING
- (2) PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE)
- (3) PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW)
- (4) PAVEMENT MARKING TAPE TYPE IV - LINE 4" (DOUBLE YELLOW) @ 11" C-C
  W/ TEMPORARY RAISED PAVEMENT MARKERS @ 40' C-C

USER NAME = JBerggren	DESIGNED - RG	REVISED -
	DRAWN - CS	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -
PLOT DATE = 4/23/2021	DATE -	REVISED -

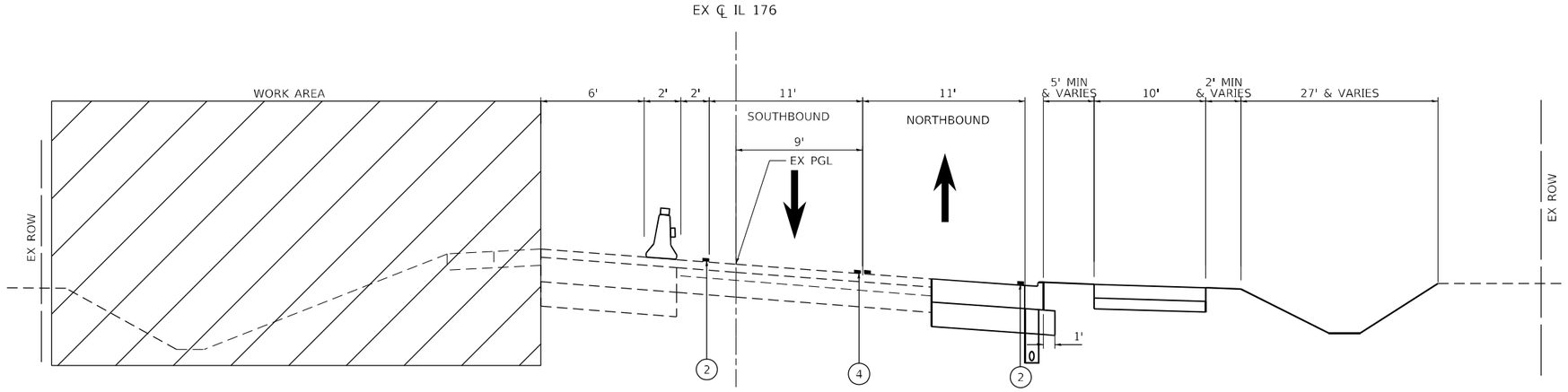
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
STAGING TYPICALS

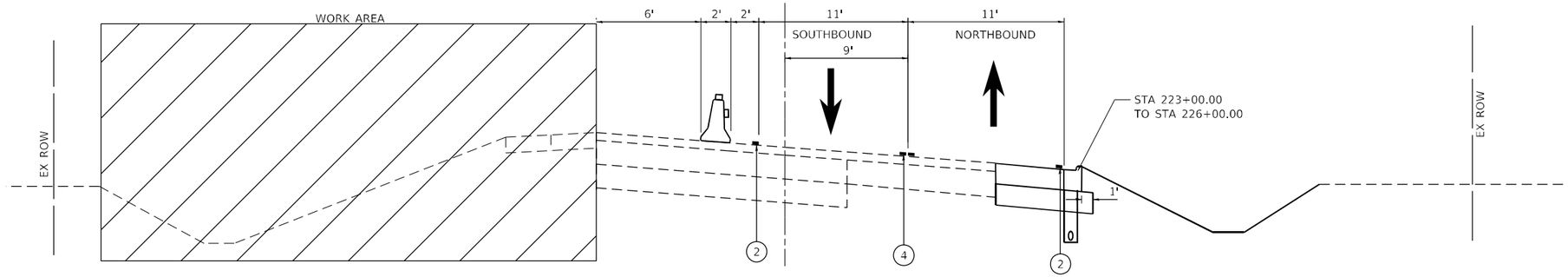
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	45
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: z:\18039.20 (STR) & .30 (RDY) IDOT D1 PTB 187-006 W020 IL 176-Nish Rosell\DGN\Design\Prelim\Plots\sheets\D160T15-cht-typical-staging-04.dgn



IL 176 – SOUTH LEG
STAGE 3



IL 176 – NORTH LEG
STAGE 3

LEGEND

- WORK AREA
- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT (CONSTRUCTED IN PREVIOUS STAGE)
- DIRECTION OF TRAFFIC FLOW
- DRUM OR TYPE II BARRICADE (SPACED 50' C-C OR AS NOTED BELOW)
  DEVICES IN TAPER (20' C-C)
  DEVICES IN RADII (10' C-C)
- DOUBLE VERTICAL PANELS (50' C-C) (10' C-C IN RADII)
- TEMPORARY CONCRETE BARRIER WALL W/ TYPE C BARRIER WALL MARKERS (FREE STANDING)
- TEMPORARY CONCRETE BARRIER WALL W/ TYPE C BARRIER WALL MARKERS (ANCHORED ON TRAFFIC SIDE)
- (1) EXISTING PAVEMENT MARKING
- (2) PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE)
- (3) PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW)
- (4) PAVEMENT MARKING TAPE TYPE IV - LINE 4" (DOUBLE YELLOW) @ 11" C-C W/ TEMPORARY RAISED PAVEMENT MARKERS @ 40' C-C

MODEL: Default
FILE NAME: Z:\18039_20 (STR) & _30 (RDY) IDOT D1 PTB 187-006 W020 IL 176-Nish Rd\e0\DGN\Design\Preliminary\Plansheets\D1807T15-sht-typical-staging-05.dgn

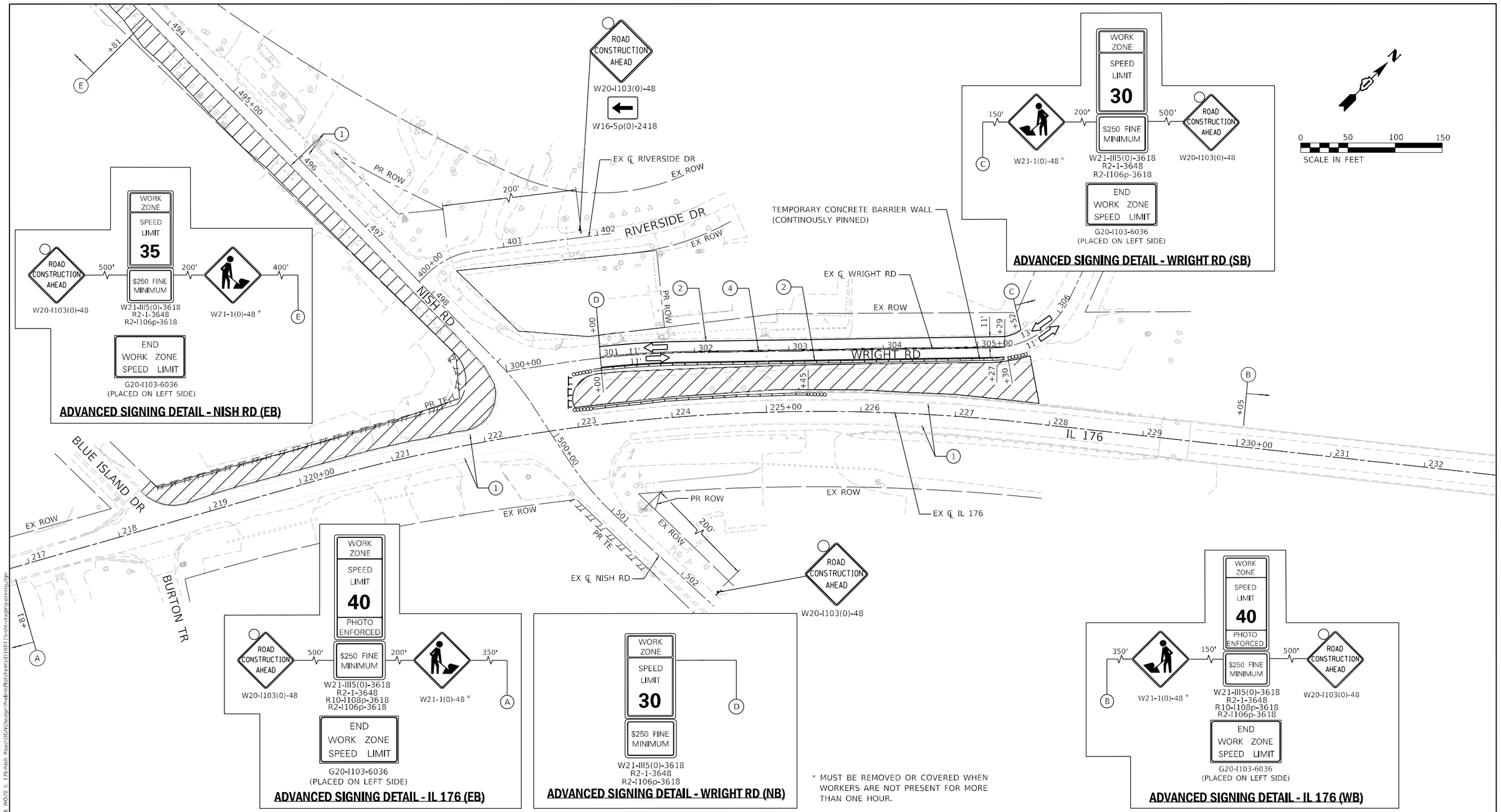
USER NAME = JBerggren	DESIGNED - RG	REVISED -	
	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 4/23/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
STAGING TYPICALS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	46
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		



* MUST BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.

LEGEND

- WORK AREA
- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT (CONSTRUCTED IN PREVIOUS STAGE)
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- TEMPORARY CONCRETE BARRIER WALL W/ TYPE C BARRIER WALL MARKERS
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2
- DRUM OR TYPE II BARRICADE (SPACED 50' C-C OR AS NOTED BELOW) DEVICES IN TAPER (20' C-C) DEVICES IN RADII (10' C-C)
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, WIDE), TEST LEVEL 2
- DOUBLE VERTICAL PANELS (50' C-C) (10' C-C IN RADII)
- (1) EXISTING PAVEMENT MARKING
- (2) PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE)
- (3) PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW)
- (4) PAVEMENT MARKING TAPE TYPE IV - LINE 4" (DOUBLE YELLOW) @ 11" C-C W/ TEMPORARY RAISED PAVEMENT MARKERS @ 40' C-C
- (5) PAVEMENT MARKING TAPE TYPE IV - LINE 24" (SOLID WHITE)
- (6) PAVEMENT MARKING TAPE TYPE IV - LINE 12" (75' SPACING AT 45 DIAGONAL, YELLOW)
- (7) PROPOSED PAVEMENT MARKING (SEE PAVEMENT MARKING PLANS)

USER NAME = JBerggren	DESIGNED - RG	REVISED -
	DRAWN - CS	REVISED -
PLOT SCALE = 100.0301 ' / in.	CHECKED - JH	REVISED -
PLOT DATE = 4/23/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
MAINTENANCE OF TRAFFIC – PRESTAGE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	47
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: Z:\18039-20 (STRL & -30 (INDY) IDOT D1 PTB 187-006 WO\0 IL 176-Nish Road\OGN\Design\Preliminl\Plots\sheet\SD116013-Stn-staging-prests.dgn

MAINTAIN ACCESS TO DRIVEWAY AT ALL TIMES.
TEMPORARY ACCESS (PRIVATE ENTRANCE, X4021000)

EX ℄ RIVERSIDE DR

EX ℄ WRIGHT RD

EX ℄ NISH RD

EX ℄ IL 176

RIVERSIDE DR

NISH RD

WRIGHT RD

BLUE ISLAND DR

BURTON TR

IL 176

261' TAPER

60' TAPER

PR ROW

EX ROW

PR TE

W1-4R(O)-48
30 MPH
W13-1(O)-2424

W1-3L(O)-48
15 MPH
W13-1(O)-2424

R3-2-2424

R3-1-2424

ROAD CONSTRUCTION AHEAD
W20-I103(0)-48

W16-5p(0)-2418

0 50 100 150
SCALE IN FEET

ADVANCED SIGNING DETAIL - NISH RD (EB)

ROAD CONSTRUCTION AHEAD — W20-I103(0)-48 — 500' — WORK ZONE / SPEED LIMIT / 35 / $250 FINE MINIMUM — W21-III5(0)-3618, R2-1-3648, R2-I106p-3618 — 200' — W21-1(0)-48* — 500' — (E)

ROAD CONSTRUCTION AHEAD — W20-I103(0)-48

W16-5p(0)-2418

END WORK ZONE SPEED LIMIT
G20-I103-6036
(PLACED ON LEFT SIDE)

ADVANCED SIGNING DETAIL - WRIGHT RD (NB)

WORK ZONE / SPEED LIMIT / 30 / $250 FINE MINIMUM — W21-III5(0)-3618, R2-1-3648, R2-I106p-3618 — (D)

ADVANCED SIGNING DETAIL - WRIGHT RD (SB)

(C) — 150' — W1-3L(O)-48, 15 MPH, W13-1(O)-2424 — 150' — W21-1(0)-48 * — 200' — WORK ZONE / SPEED LIMIT / 30 / $250 FINE MINIMUM — W21-III5(0)-3618, R2-1-3648, R2-I106p-3618 — 500' — ROAD CONSTRUCTION AHEAD — W20-I103(0)-48

END WORK ZONE SPEED LIMIT
G20-I103-6036
(PLACED ON LEFT SIDE)

* MUST BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.

LEGEND

- WORK AREA
- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT (CONSTRUCTED IN PREVIOUS STAGE)
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- TEMPORARY CONCRETE BARRIER WALL W/ TYPE C BARRIER WALL MARKERS
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2
- DRUM OR TYPE II BARRICADE (SPACED 50' C-C OR AS NOTED BELOW) DEVICES IN TAPER (20' C-C) DEVICES IN RADII (10' C-C)
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, WIDE), TEST LEVEL 2
- DOUBLE VERTICAL PANELS (50' C-C) (10' C-C IN RADII)
- (1) EXISTING PAVEMENT MARKING
- (2) PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE)
- (3) PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW)
- (4) PAVEMENT MARKING TAPE TYPE IV - LINE 4" (DOUBLE YELLOW) @ 11" C-C W/ TEMPORARY RAISED PAVEMENT MARKERS @ 40' C-C
- (5) PAVEMENT MARKING TAPE TYPE IV - LINE 24" (SOLID WHITE)
- (6) PAVEMENT MARKING TAPE TYPE IV - LINE 12" (75' SPACING AT 45 DIAGONAL, YELLOW)
- (7) PROPOSED PAVEMENT MARKING (SEE PAVEMENT MARKING PLANS)

USER NAME = RCall	DESIGNED - RG	REVISED -	
	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 2/5/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
MAINTENANCE OF TRAFFIC – STAGE 1A

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	48
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: Z:\18039.20 (STR) & .30 (RDY) IDOT D1 PTB 187-006 WO20 IL 176-Nish Road\DGN\Design\Prelim\Plan Sheets\D1601T15-sht-staging-sht1A.dgn

CROSS TRAFFIC DOES NOT STOP
W4-4P-2412

DO NOT ENTER
R5-1-3030

W1-1(O)-48
15 MPH
W13-1(O)-2424

W1-4R(O)-48
30 MPH
W13-1(O)-2424

DO NOT ENTER
R5-1-3030

R3-2-2424

W1-3L(O)-48
15 MPH
W13-1(O)-2424

W1-3R(O)-48
15 MPH
W13-1(O)-2424

KEEP RIGHT
R4-7b-2430

R3-2-2424

W1-4R(O)-48
30 MPH
W13-1(O)-2424

R3-2-2424 R3-1-2424

ROAD CONSTRUCTION AHEAD
W20-I103(0)-48

W16-5p(0)-2418

W20-I103(0)-48

WORK ZONE
SPEED LIMIT
35
$250 FINE MINIMUM
W21-III5(0)-3618
R2-1-3648
R2-I106p-3618

W21-1(0)-48*

END WORK ZONE SPEED LIMIT
G20-I103-6036
(PLACED ON LEFT SIDE)

ADVANCED SIGNING DETAIL - NISH RD (EB)

WORK ZONE
SPEED LIMIT
30
$250 FINE MINIMUM
W21-III5(0)-3618
R2-1-3648
R2-I106p-3618

ADVANCED SIGNING DETAIL - WRIGHT RD (NB)

W6-1(O)-48

W21-1(0)-48 *

WORK ZONE
SPEED LIMIT
30
$250 FINE MINIMUM
W21-III5(0)-3618
R2-1-3648
R2-I106p-3618

END WORK ZONE SPEED LIMIT
G20-I103-6036
(PLACED ON LEFT SIDE)

* MUST BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.

ADVANCED SIGNING DETAIL - WRIGHT RD (SB)

IMPACT ATTENUATORS (FULLY REDIRECTIVE, WIDE), TEST LEVEL 2

TEMPORARY CONCRETE BARRIER WALL (CONTINOUSLY PINNED)

0 50 100 150
SCALE IN FEET

LEGEND

- WORK AREA
- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT (CONSTRUCTED IN PREVIOUS STAGE)
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- TEMPORARY CONCRETE BARRIER WALL W/ TYPE C BARRIER WALL MARKERS
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2
- DRUM OR TYPE II BARRICADE (SPACED 50' C-C OR AS NOTED BELOW) DEVICES IN TAPER (20' C-C) DEVICES IN RADII (10' C-C)
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, WIDE), TEST LEVEL 2
- DOUBLE VERTICAL PANELS (50' C-C) (10' C-C IN RADII)
- (1) EXISTING PAVEMENT MARKING
- (2) PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE)
- (3) PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW)
- (4) PAVEMENT MARKING TAPE TYPE IV - LINE 4" (DOUBLE YELLOW) @ 11" C-C W/ TEMPORARY RAISED PAVEMENT MARKERS @ 40' C-C
- (5) PAVEMENT MARKING TAPE TYPE IV - LINE 24" (SOLID WHITE)
- (6) PAVEMENT MARKING TAPE TYPE IV - LINE 12" (75' SPACING AT 45 DIAGONAL, YELLOW)
- (7) PROPOSED PAVEMENT MARKING (SEE PAVEMENT MARKING PLANS)

USER NAME = RGall	DESIGNED - RG	REVISED -	
	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 2/5/2021	DATE -	REVISED -	

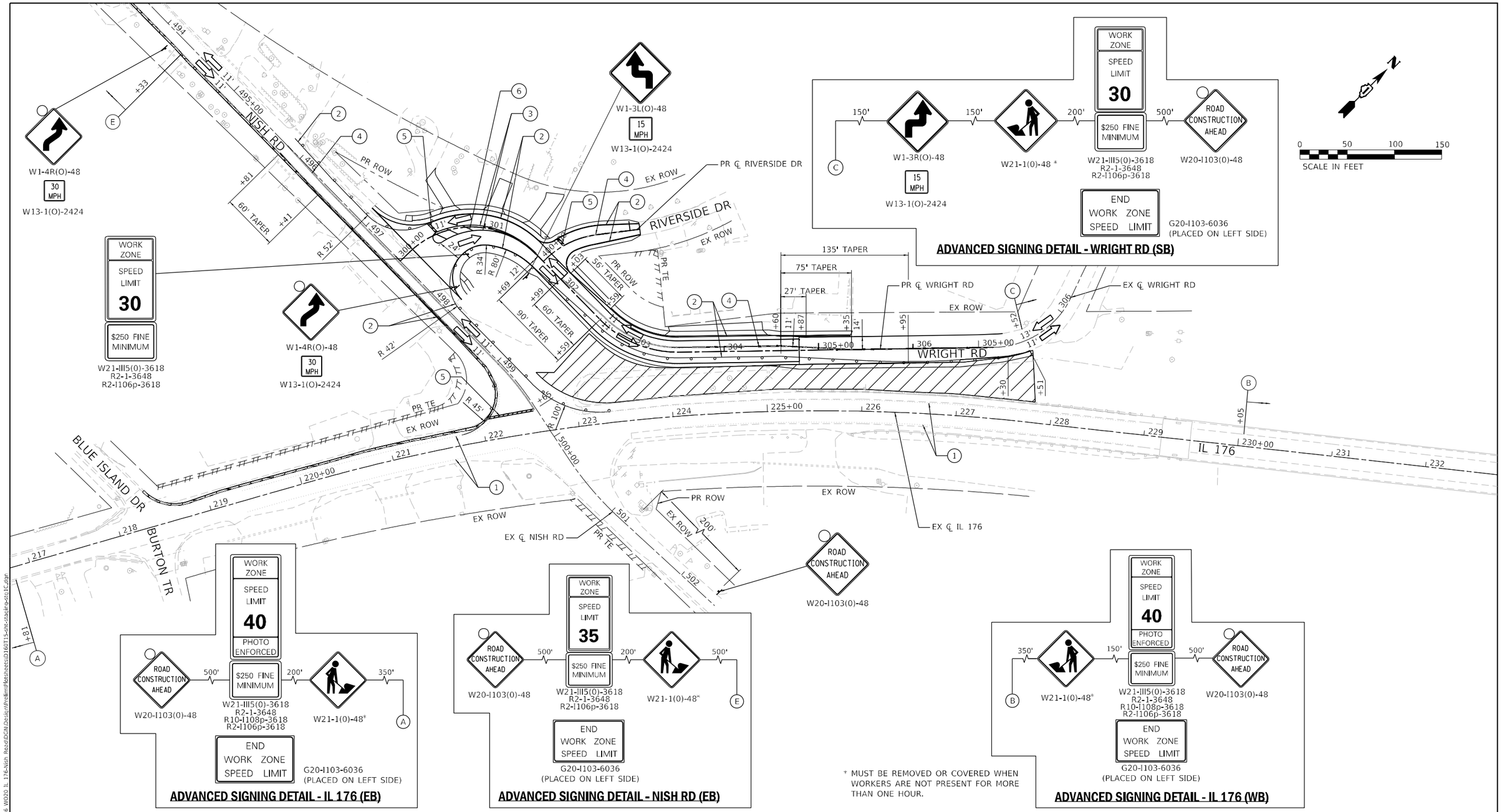
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
MAINTENANCE OF TRAFFIC – STAGE 1B

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	49
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: Z:\18039_20 (STR) & _30 (RDY) IDOT D1 PTB 187-066 W020 IL 176-Nish Rd\dDGN\Design\Preliminl\Plotsheets\D1607T15-sht-staging-stg1B.dgn



ADVANCED SIGNING DETAIL - WRIGHT RD (SB)

ADVANCED SIGNING DETAIL - IL 176 (EB)

ADVANCED SIGNING DETAIL - NISH RD (EB)

ADVANCED SIGNING DETAIL - IL 176 (WB)

* MUST BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.

LEGEND

- WORK AREA
- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT (CONSTRUCTED IN PREVIOUS STAGE)
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- TEMPORARY CONCRETE BARRIER WALL W/ TYPE C BARRIER WALL MARKERS
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2
- DRUM OR TYPE II BARRICADE (SPACED 50' C-C OR AS NOTED BELOW) DEVICES IN TAPER (20' C-C) DEVICES IN RADII (10' C-C)
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, WIDE), TEST LEVEL 2
- DOUBLE VERTICAL PANELS (50' C-C) (10' C-C IN RADII)
- (1) EXISTING PAVEMENT MARKING
- (2) PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE)
- (3) PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW)
- (4) PAVEMENT MARKING TAPE TYPE IV - LINE 4" (DOUBLE YELLOW) @ 11" C-C W/ TEMPORARY RAISED PAVEMENT MARKERS @ 40' C-C
- (5) PAVEMENT MARKING TAPE TYPE IV - LINE 24" (SOLID WHITE)
- (6) PAVEMENT MARKING TAPE TYPE IV - LINE 12" (75' SPACING AT 45 DIAGONAL, YELLOW)
- (7) PROPOSED PAVEMENT MARKING (SEE PAVEMENT MARKING PLANS)

USER NAME = RCall	DESIGNED - RG	REVISED -	
	DRAWN - CS	REVISED -	
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PLOT DATE = 2/5/2021	DATE -	REVISED -	

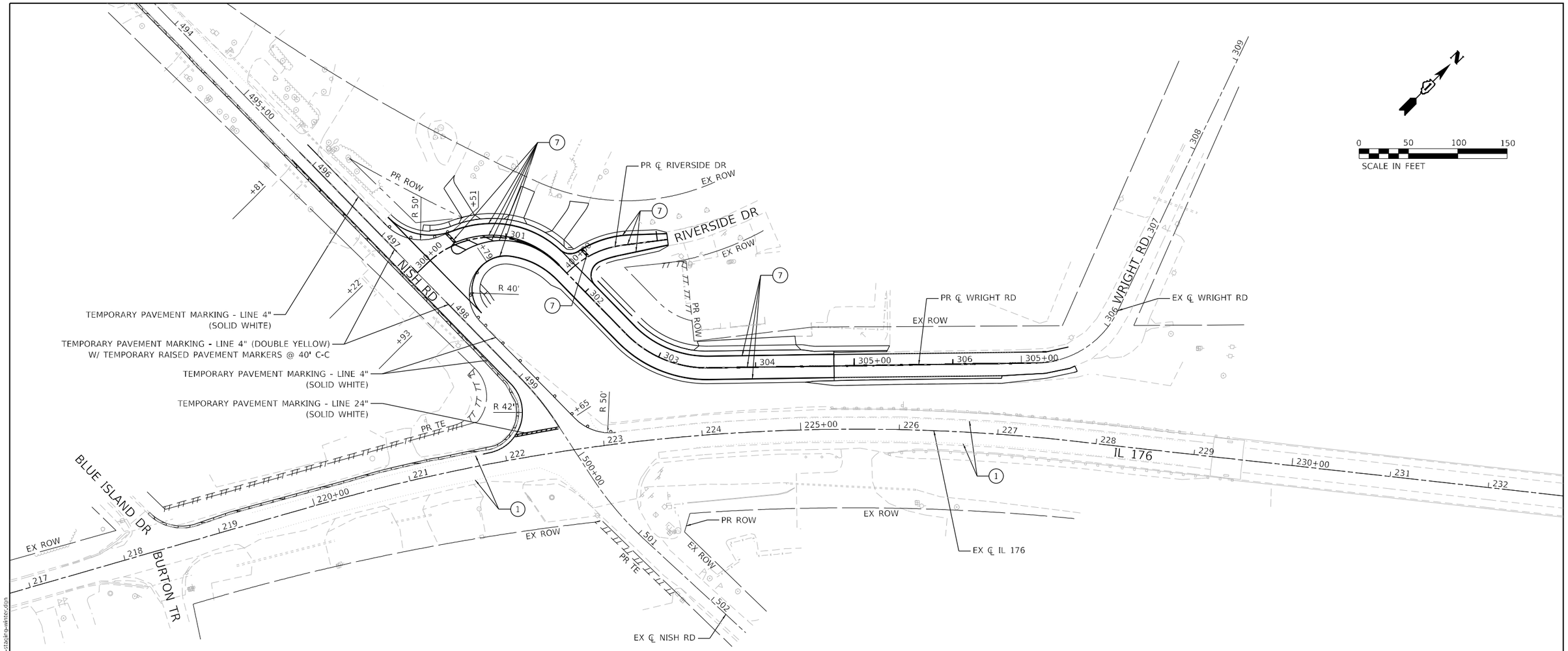
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
MAINTENANCE OF TRAFFIC – STAGE 1C

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	50
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
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LEGEND

- WORK AREA
- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT (CONSTRUCTED IN PREVIOUS STAGE)
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- TEMPORARY CONCRETE BARRIER WALL W/ TYPE C BARRIER WALL MARKERS
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2
- DRUM OR TYPE II BARRICADE (SPACED 50' C-C OR AS NOTED BELOW) DEVICES IN TAPER (20' C-C) DEVICES IN RADII (10' C-C)
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, WIDE), TEST LEVEL 2
- DOUBLE VERTICAL PANELS (50' C-C) (10' C-C IN RADII)
- (1) EXISTING PAVEMENT MARKING
- (2) PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE)
- (3) PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW)
- (4) PAVEMENT MARKING TAPE TYPE IV - LINE 4" (DOUBLE YELLOW) @ 11" C-C W/ TEMPORARY RAISED PAVEMENT MARKERS @ 40' C-C
- (5) PAVEMENT MARKING TAPE TYPE IV - LINE 24" (SOLID WHITE)
- (6) PAVEMENT MARKING TAPE TYPE IV - LINE 12" (75' SPACING AT 45 DIAGONAL, YELLOW)
- (7) PROPOSED PAVEMENT MARKING (SEE PAVEMENT MARKING PLANS)

USER NAME = RCall	DESIGNED - RG	REVISED -
	DRAWN - CS	REVISED -
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PLOT DATE = 2/5/2021	DATE -	REVISED -

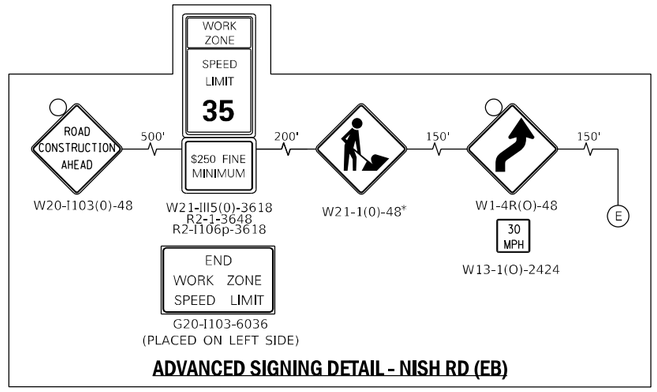
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
MAINTENANCE OF TRAFFIC – WINTER STAGE

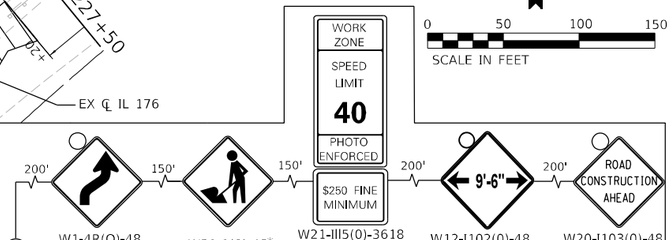
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	51
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

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ADVANCED SIGNING DETAIL - NISH RD (EB)

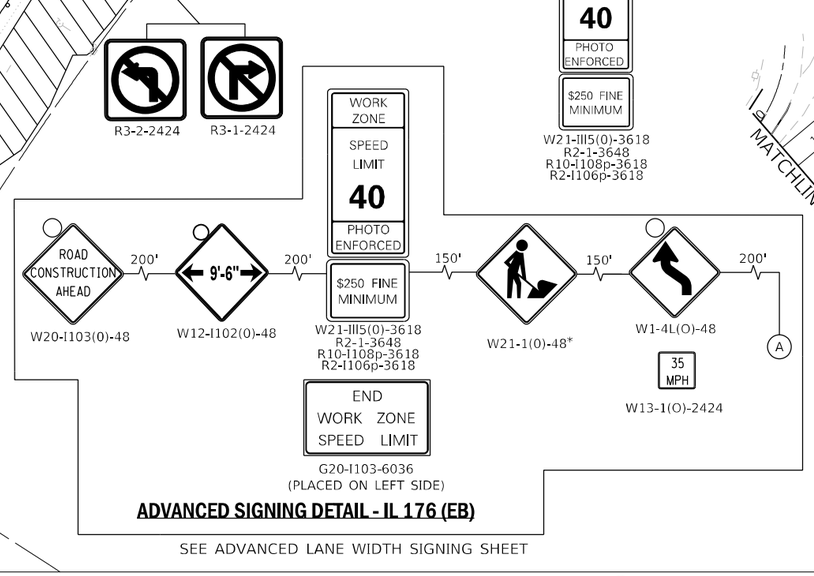


ADVANCED SIGNING DETAIL - IL 176 (WB)

SEE ADVANCED LANE WIDTH SIGNING SHEET

SEE STAGE 1 FOR WRIGHT RD ADVANCED SIGNING, COVER SIGNS WHICH DO NOT APPLY

REFER TO DETOUR PLAN



ADVANCED SIGNING DETAIL - IL 176 (EB)

SEE ADVANCED LANE WIDTH SIGNING SHEET

* MUST BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.

LEGEND

- WORK AREA
- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT (CONSTRUCTED IN PREVIOUS STAGE)
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- TEMPORARY CONCRETE BARRIER WALL W/ TYPE C BARRIER WALL MARKERS
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2
- DRUM OR TYPE II BARRICADE (SPACED 50' C-C OR AS NOTED BELOW) DEVICES IN TAPER (20' C-C) DEVICES IN RADII (10' C-C)
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, WIDE), TEST LEVEL 2
- DOUBLE VERTICAL PANELS (50' C-C) (10' C-C IN RADII)
- (1) EXISTING PAVEMENT MARKING
- (2) PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE)
- (3) PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW)
- (4) PAVEMENT MARKING TAPE TYPE IV - LINE 4" (DOUBLE YELLOW) @ 11" C-C W/ TEMPORARY RAISED PAVEMENT MARKERS @ 40' C-C
- (5) PAVEMENT MARKING TAPE TYPE IV - LINE 24" (SOLID WHITE)
- (6) PAVEMENT MARKING TAPE TYPE IV - LINE 12" (75' SPACING AT 45 DIAGONAL, YELLOW)
- (7) PROPOSED PAVEMENT MARKING (SEE PAVEMENT MARKING PLANS)

USER NAME = JBerggren	DESIGNED - RG	REVISED -
	DRAWN - CS	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -
PLOT DATE = 4/23/2021	DATE -	REVISED -

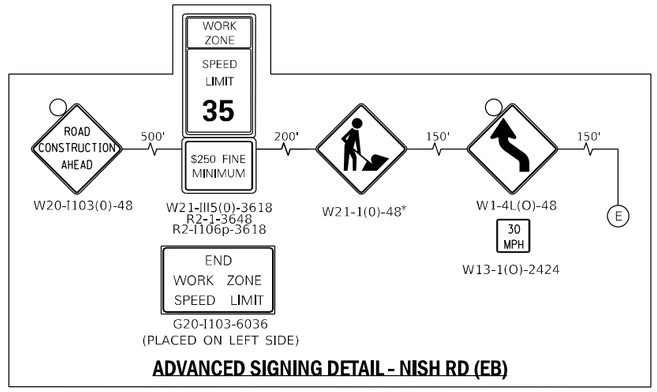
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
MAINTENANCE OF TRAFFIC – STAGE 2

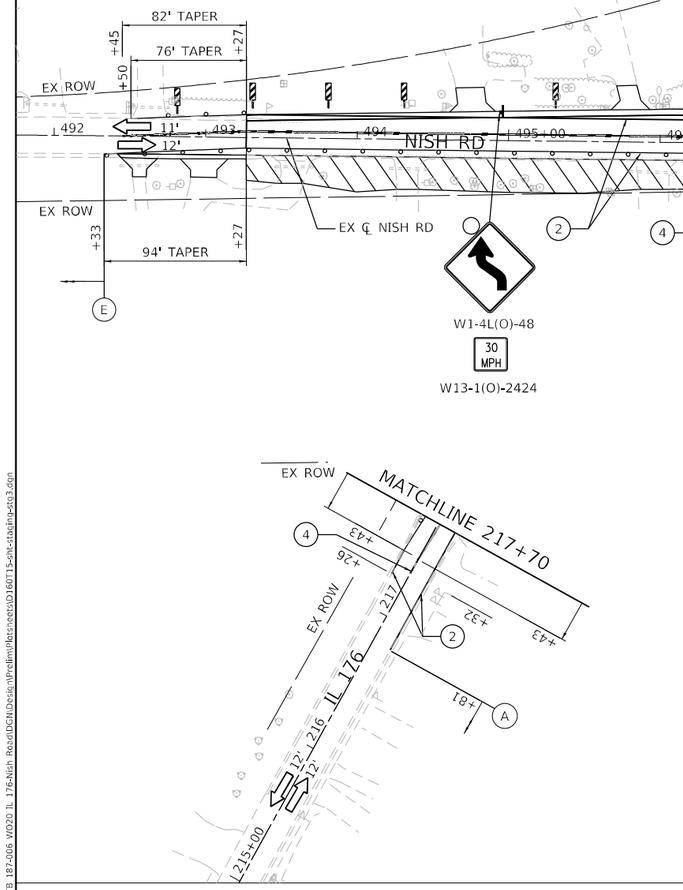
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	52
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

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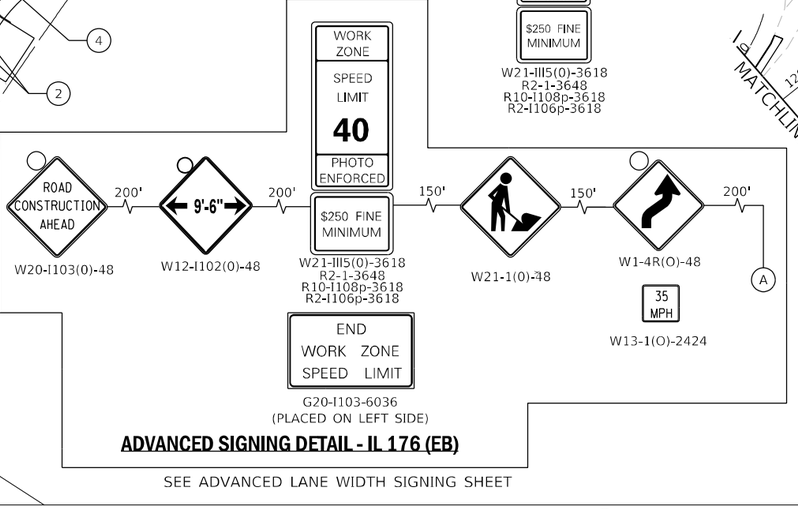


ADVANCED SIGNING DETAIL - NISH RD (EB)



ADVANCED SIGNING DETAIL - IL 176 (WB)

SEE ADVANCED LANE WIDTH SIGNING SHEET



ADVANCED SIGNING DETAIL - IL 176 (EB)

SEE ADVANCED LANE WIDTH SIGNING SHEET

LEGEND

- WORK AREA
- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT (CONSTRUCTED IN PREVIOUS STAGE)
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- TEMPORARY CONCRETE BARRIER WALL W/ TYPE C BARRIER WALL MARKERS
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2
- DRUM OR TYPE II BARRICADE (SPACED 50' C-C OR AS NOTED BELOW) DEVICES IN TAPER (20' C-C) DEVICES IN RADII (10' C-C)
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, WIDE), TEST LEVEL 2
- DOUBLE VERTICAL PANELS (50' C-C) (10' C-C IN RADII)
- (1) EXISTING PAVEMENT MARKING
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- (7) PROPOSED PAVEMENT MARKING (SEE PAVEMENT MARKING PLANS)

USER NAME = RGall	DESIGNED - RG	REVISED -	
	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 2/5/2021	DATE -	REVISED -	

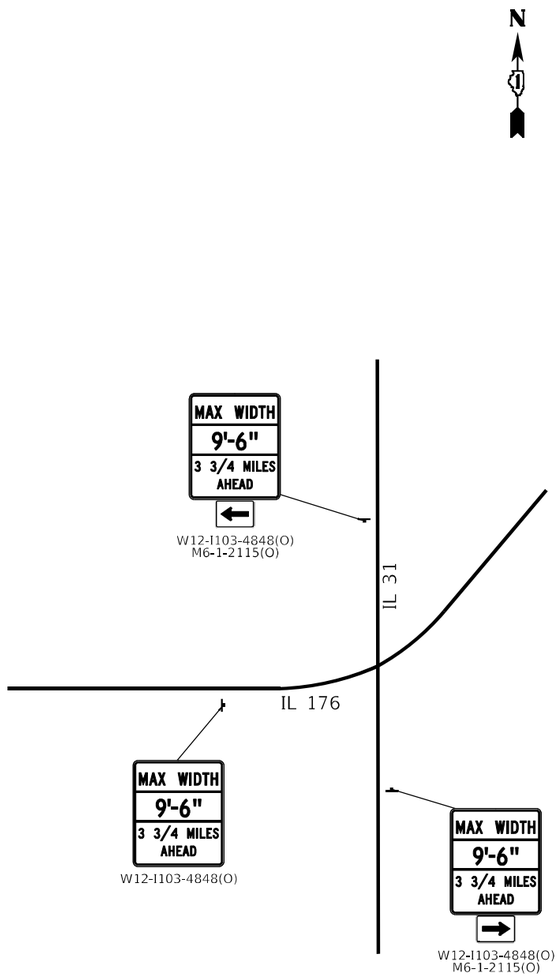
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
MAINTENANCE OF TRAFFIC – STAGE 3

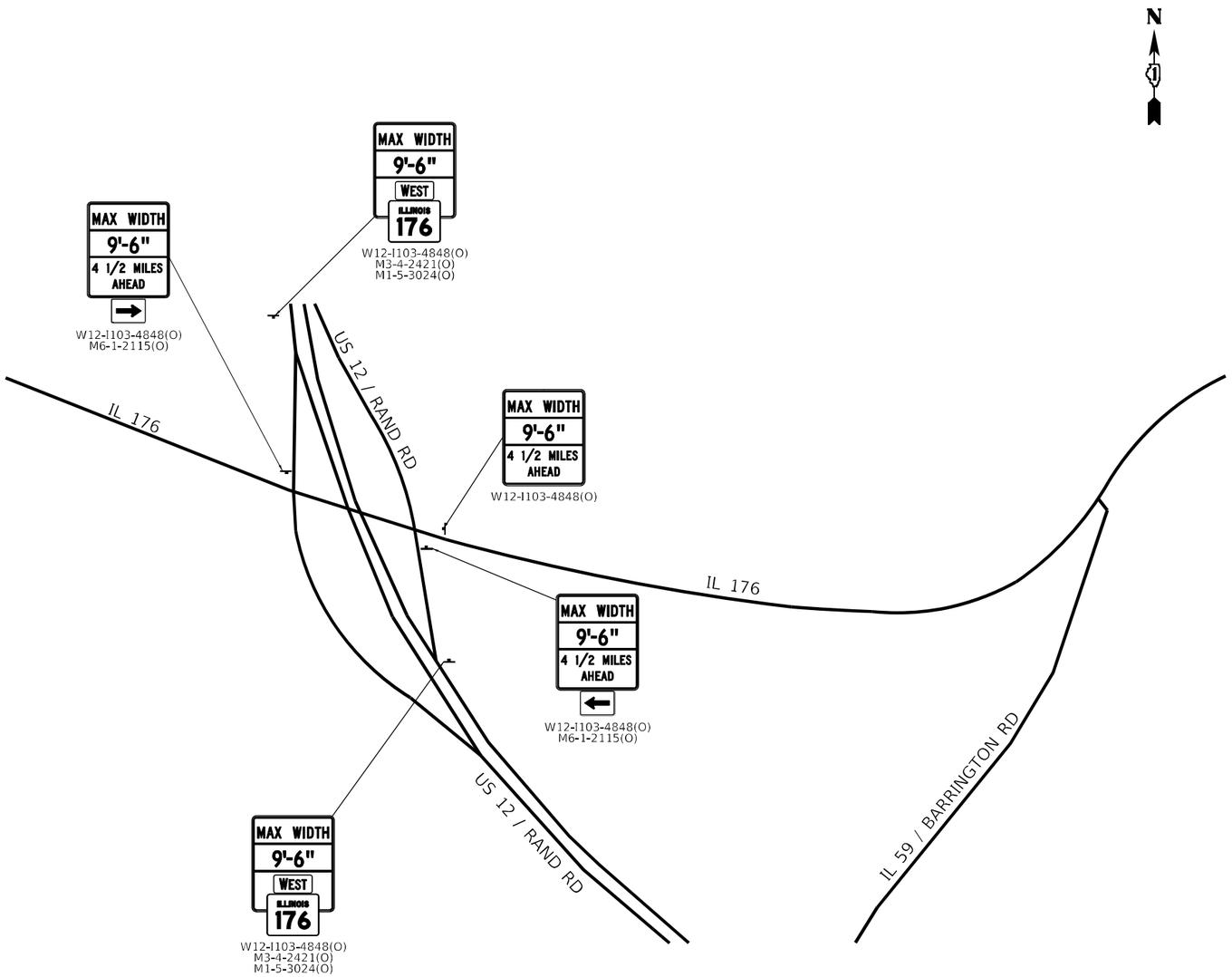
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	53
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

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ADVANCED LANE WIDTH SIGNING DETAIL - IL 176 AT IL 31



ADVANCED LANE WIDTH SIGNING DETAIL - IL 176 AT US 12

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

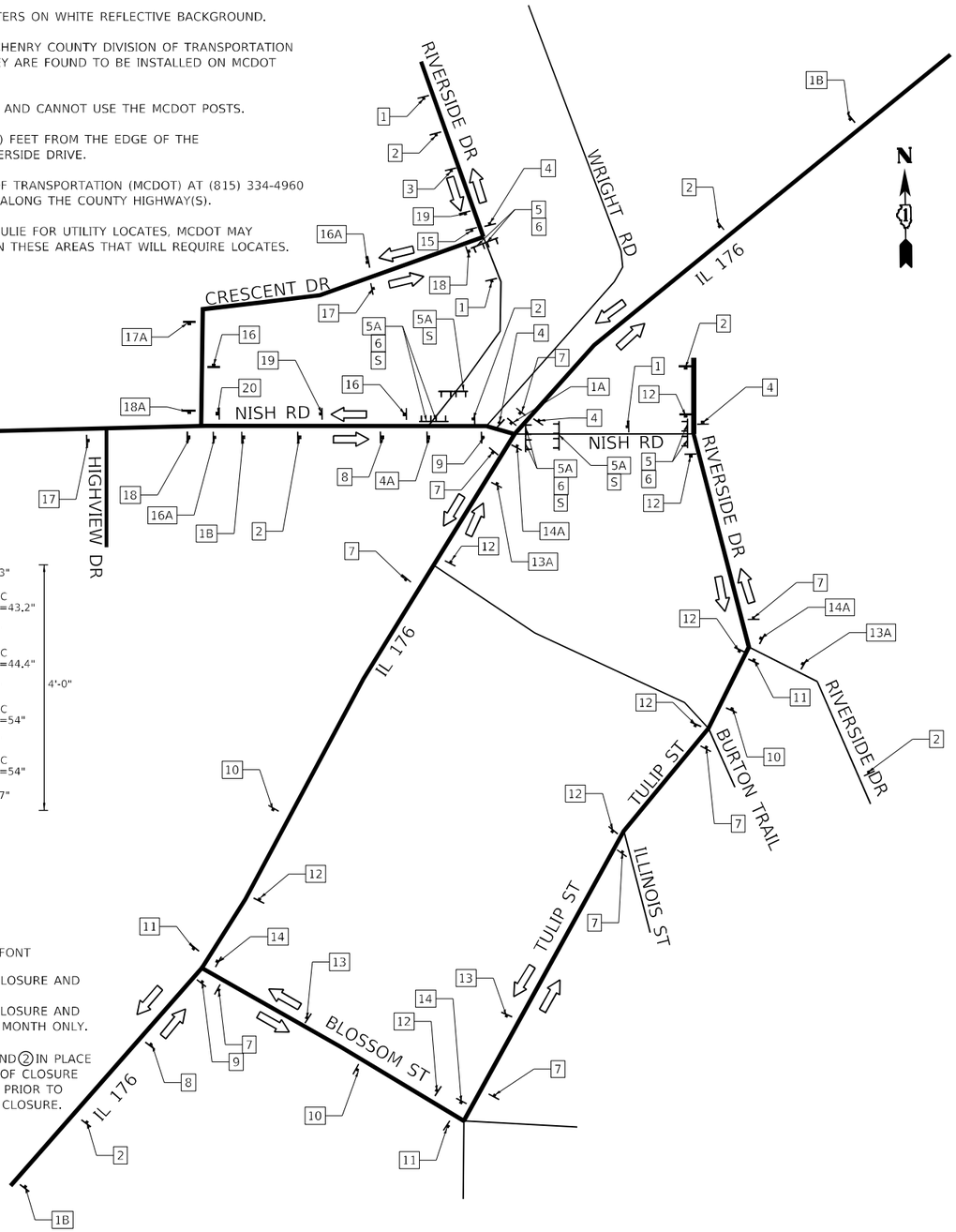
IL 176 AT NISH RD
MAINTENANCE OF TRAFFIC – ADVANCED LANE WIDTH SIGNING

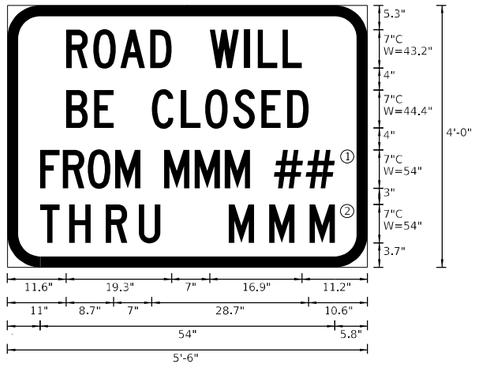
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	54
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

NOTES

1. PLACE "S" AT OR NEAR POINT OF CLOSURE 2 WEEKS PRIOR TO START DATE OF CLOSURE. REMOVE ASSEMBLY AFTER CLOSURE.
2. FOR SPECIAL ROUTE SIGNS USE 5" MINIMUM BLACK LETTERS ON WHITE REFLECTIVE BACKGROUND.
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 POSTS.
5. SIGN POSTS SHALL BE INSTALLED AT LEAST TWELVE (12) FEET FROM THE EDGE OF THE MAINLINE ROADWAY (WHITE PAINTED EDGELINE) ON RIVERSIDE DRIVE.
6. CONTACT AND NOTIFY THE MCHENRY COUNT DIVISION OF TRANSPORTATION (MCDOT) AT (815) 334-4960 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.





6.0" RADIUS, 1.3" BORDER, BLACK ON ORANGE;
"ROAD WILL" C 2K; "BE CLOSED" C 2K;
RECTANGLE ORANGE; RECTANGLE ORANGE; "HIGHWAY C" FONT

OVERLAY PANEL ① TO CONTAIN STARTING DATE OF FULL CLOSURE AND DETOUR IMPLEMENTATION (I.E. "FROM APR 2")
OVERLAY PANEL ② TO CONTAIN ENDING MONTH OF FULL CLOSURE AND 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.

1 — ROAD CLOSED AHEAD — W20-3-4848 (W AMBER BEACON)

1A — ROAD CLOSED AHEAD / NORTH / RIVERSIDE DR — W20-3-4848 (W AMBER BEACON) M3-1-2412 ROUTE SPECIAL-VARIABLE

1B — ROAD CLOSED AHEAD / EAST / NISH RD — W20-3-4848 (W AMBER BEACON) M3-2-2412 CUSTOM-2418

2 — DETOUR AHEAD — W20-2-4848 (W AMBER BEACON)

3 — ROAD CLOSED 500 FT — W20-3-4848

4 — END DETOUR — M4-8A-2418

4A — END DETOUR / SOUTH / RIVERSIDE DR — M4-8A-2418 M3-3-2412 ROUTE SPECIAL-VARIABLE

5 — ROAD CLOSED TO THRU TRAFFIC — R11-4-6030 *

5A — ROAD CLOSED — R11-2-4830 *

6 — DETOUR / DETOUR — M4-10L-4818 * OR M4-10R-4818

7 — EAST / NISH RD / DETOUR — M3-2-2412 SPECIAL-2418 VARIABLE M4-9-3024

8 — EAST / NISH RD / DETOUR — M3-2-2412 SPECIAL-2418 VARIABLE M4-9-3024

9 — EAST / NISH RD / DETOUR — M3-2-2412 SPECIAL-2418 VARIABLE M4-9-3024

10 — EAST / NISH RD / DETOUR — M3-2-2412 SPECIAL-2418 VARIABLE M4-9-3024

11 — EAST / NISH RD / DETOUR — M3-2-2412 SPECIAL-2418 VARIABLE M4-9-3024

12 — WEST / NISH RD / DETOUR — M3-4-2412 SPECIAL-2418 VARIABLE M4-9-3024

13 — WEST / NISH RD / DETOUR — M3-4-2412 SPECIAL-2418 VARIABLE M4-9-3024

13A — WEST / NISH RD / DETOUR — M3-4-2412 SPECIAL-2418 VARIABLE M4-9-3024

14 — WEST / NISH RD / DETOUR — M3-4-2412 SPECIAL-2418 VARIABLE M4-9-3024

14A — WEST / NISH RD / DETOUR — M3-4-2412 SPECIAL-2418 VARIABLE M4-9-3024

15 — SOUTH / RIVERSIDE DR / DETOUR — M3-3-2412 SPECIAL-2418 VARIABLE M4-9-3024

16 — NORTH / RIVERSIDE DR / DETOUR — M3-1-2412 SPECIAL-2418 VARIABLE M4-9-3024

16A — SOUTH / RIVERSIDE DR / DETOUR — M3-3-2412 SPECIAL-2418 VARIABLE M4-9-3024

17 — NORTH / RIVERSIDE DR / DETOUR — M3-1-2412 SPECIAL-2418 VARIABLE M4-9-3024

17A — SOUTH / RIVERSIDE DR / DETOUR — M3-3-2412 SPECIAL-2418 VARIABLE M4-9-3024

18 — NORTH / RIVERSIDE DR / DETOUR — M3-1-2412 SPECIAL-2418 VARIABLE M4-9-3024

18A — SOUTH / RIVERSIDE DR / DETOUR — M3-3-2412 SPECIAL-2418 VARIABLE M4-9-3024

19 — SOUTH / RIVERSIDE DR / DETOUR — M3-3-2412 SPECIAL-2418 VARIABLE M4-9-3024

20 — NORTH / RIVERSIDE DR / DETOUR — M3-1-2412 SPECIAL-2418 VARIABLE M4-9-3024

21 — NORTH / RIVERSIDE DR / DETOUR — M3-1-2412 SPECIAL-2418 VARIABLE M4-9-3024

S — ROAD WILL BE CLOSED FROM MMM ## THRU MMM — CUSTOM (PAID AS TEMPORARY INFORMATION SIGNING)

* MOUNT SIGN ON TYPE III BARRICADE WITH FLASHING LIGHTS.

MODEL: Default
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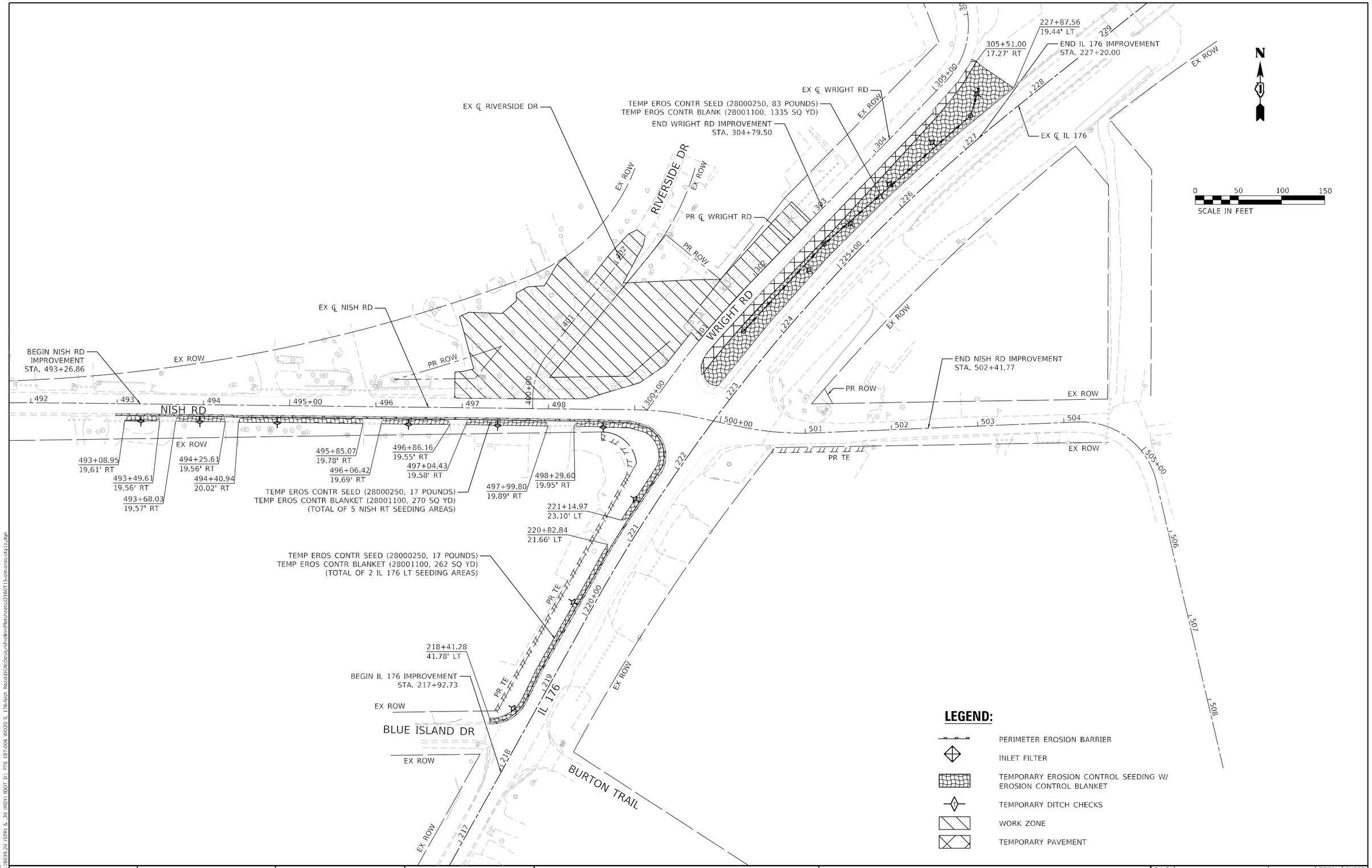
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	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 2/5/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
DETOUR MAP

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	55
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			



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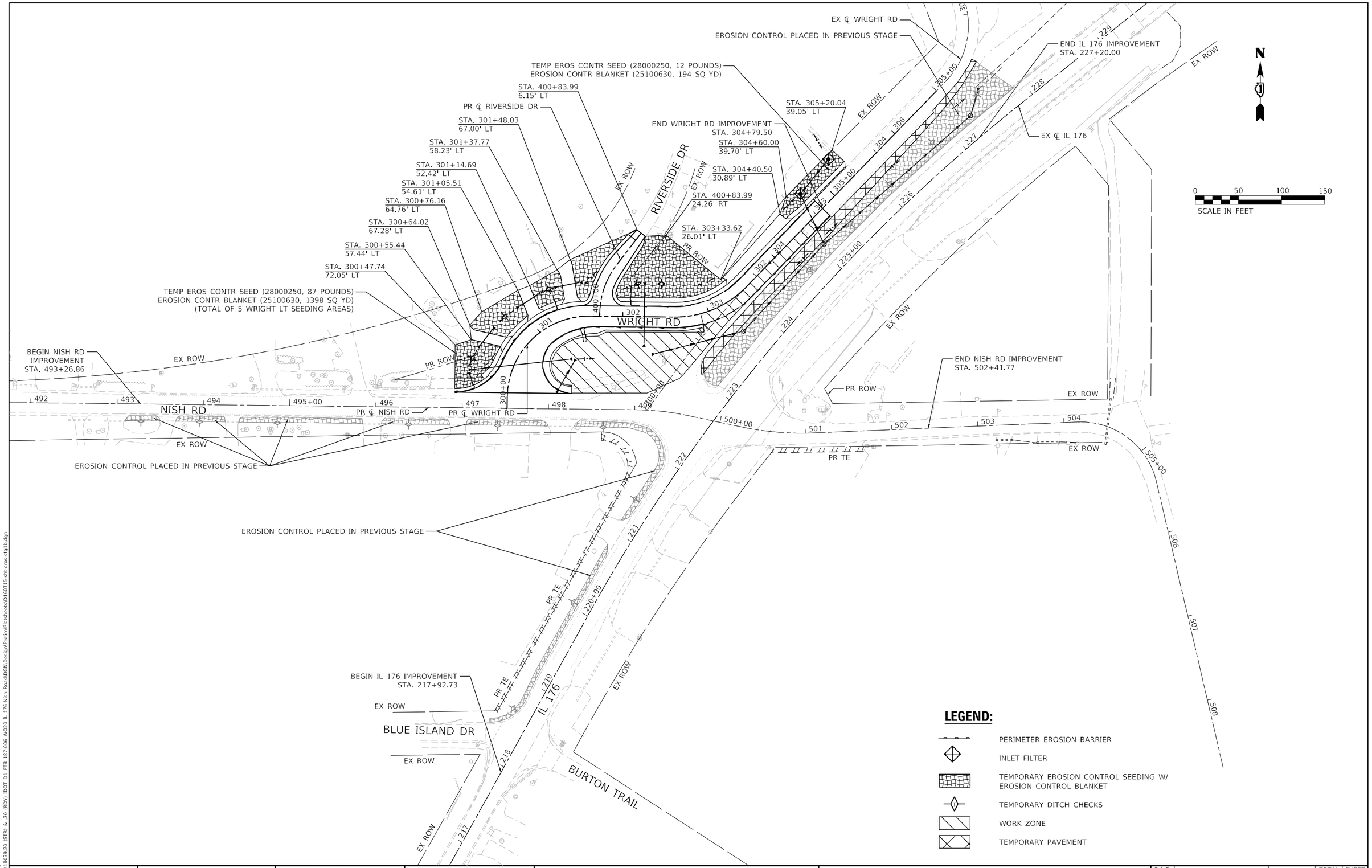
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	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 4/23/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
EROSION CONTROL PLANS – STAGE 1A

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	56
		CONTRACT NO. 60T15		
		ILLINOIS	FED. AID PROJECT	



LEGEND:

- PERIMETER EROSION BARRIER
- INLET FILTER
- TEMPORARY EROSION CONTROL SEEDING W/ EROSION CONTROL BLANKET
- TEMPORARY DITCH CHECKS
- WORK ZONE
- TEMPORARY PAVEMENT

USER NAME = JBerggren	DESIGNED - RG	REVISED -
	DRAWN - CS	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -
PLOT DATE = 4/23/2021	DATE -	REVISED -

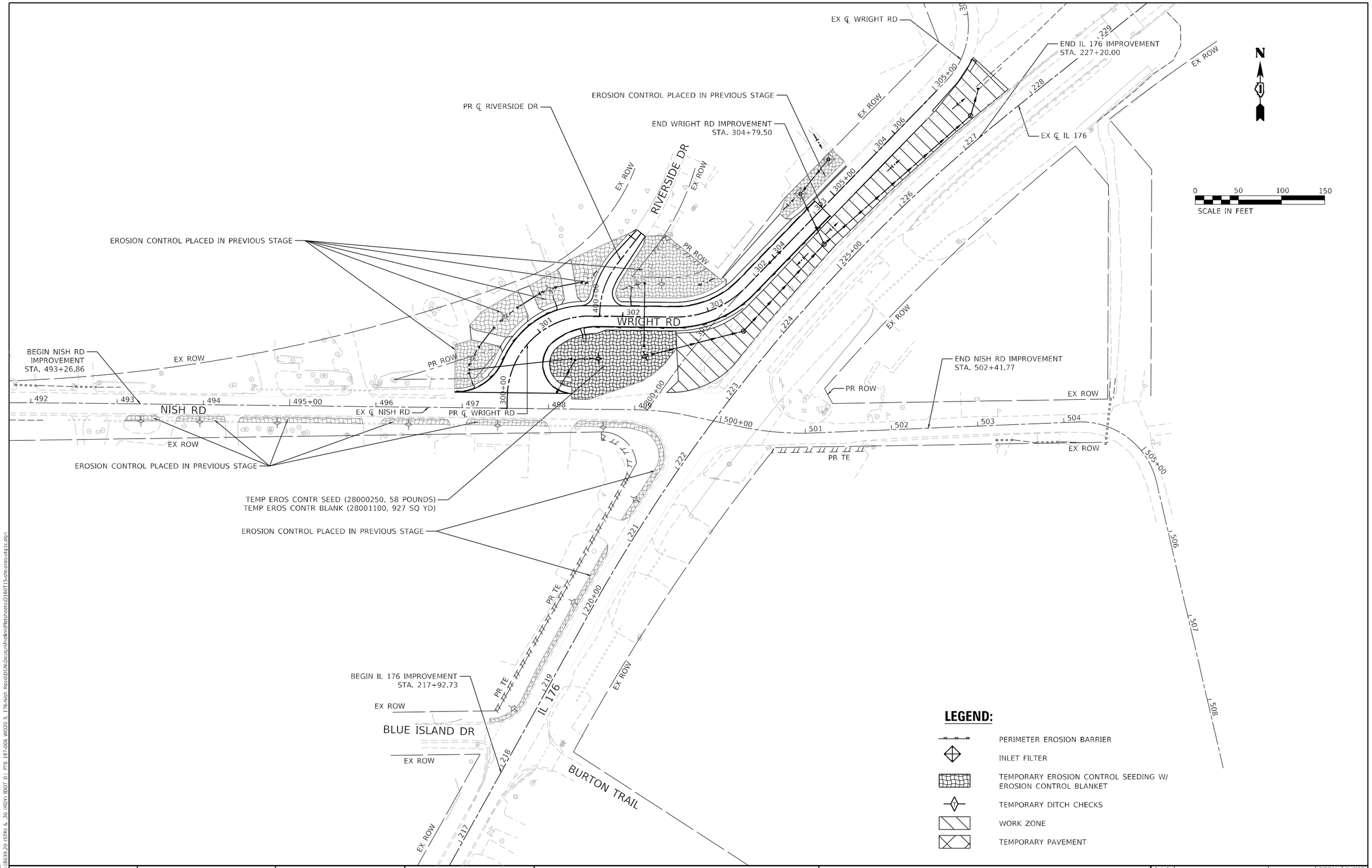
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
EROSION CONTROL PLANS – STAGE 1B

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	57
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

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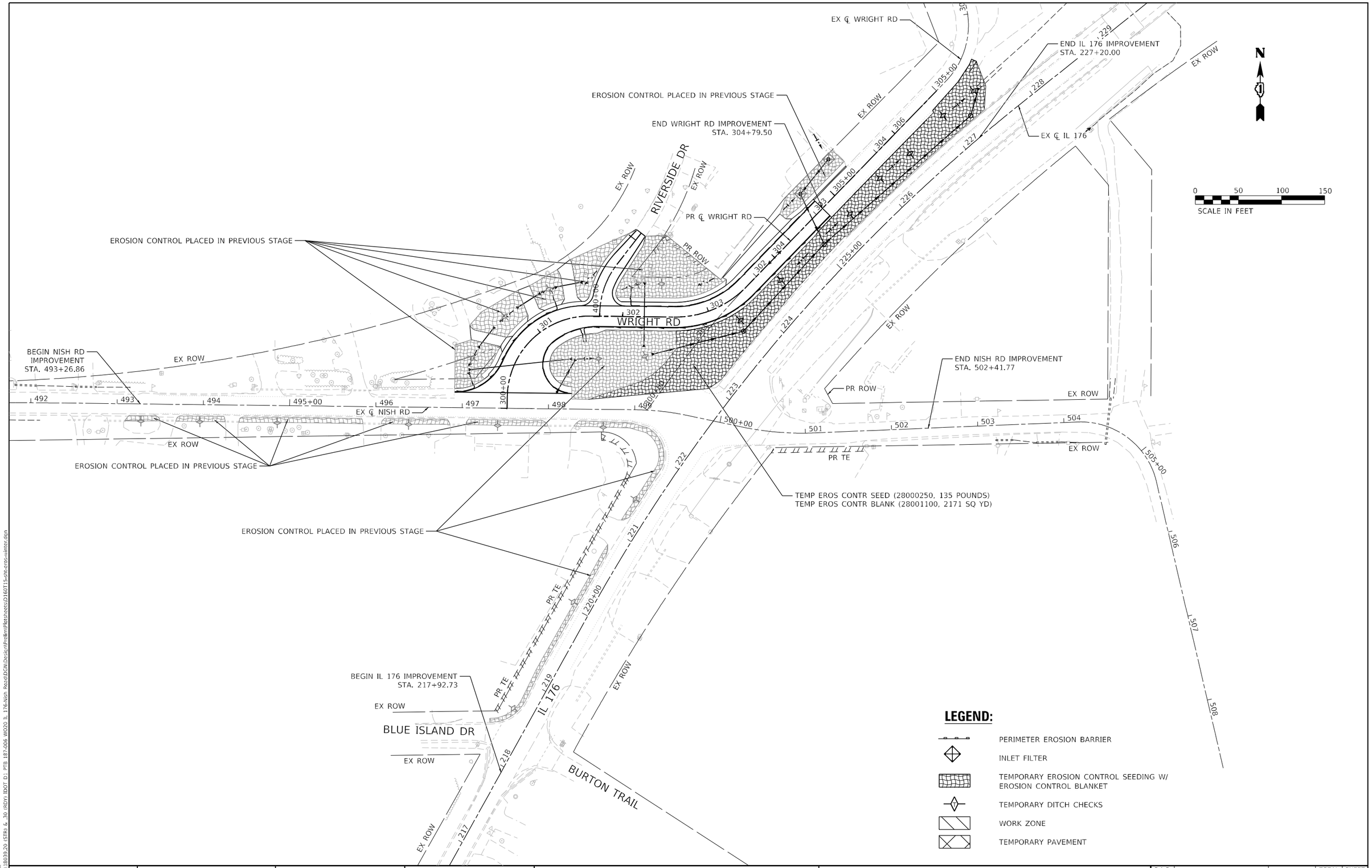
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PLOT DATE = 4/23/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
EROSION CONTROL PLANS – STAGE 1C

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	58
		CONTRACT NO. 60T15		
		ILLINOIS	FED. AID PROJECT	



MODEL: Default
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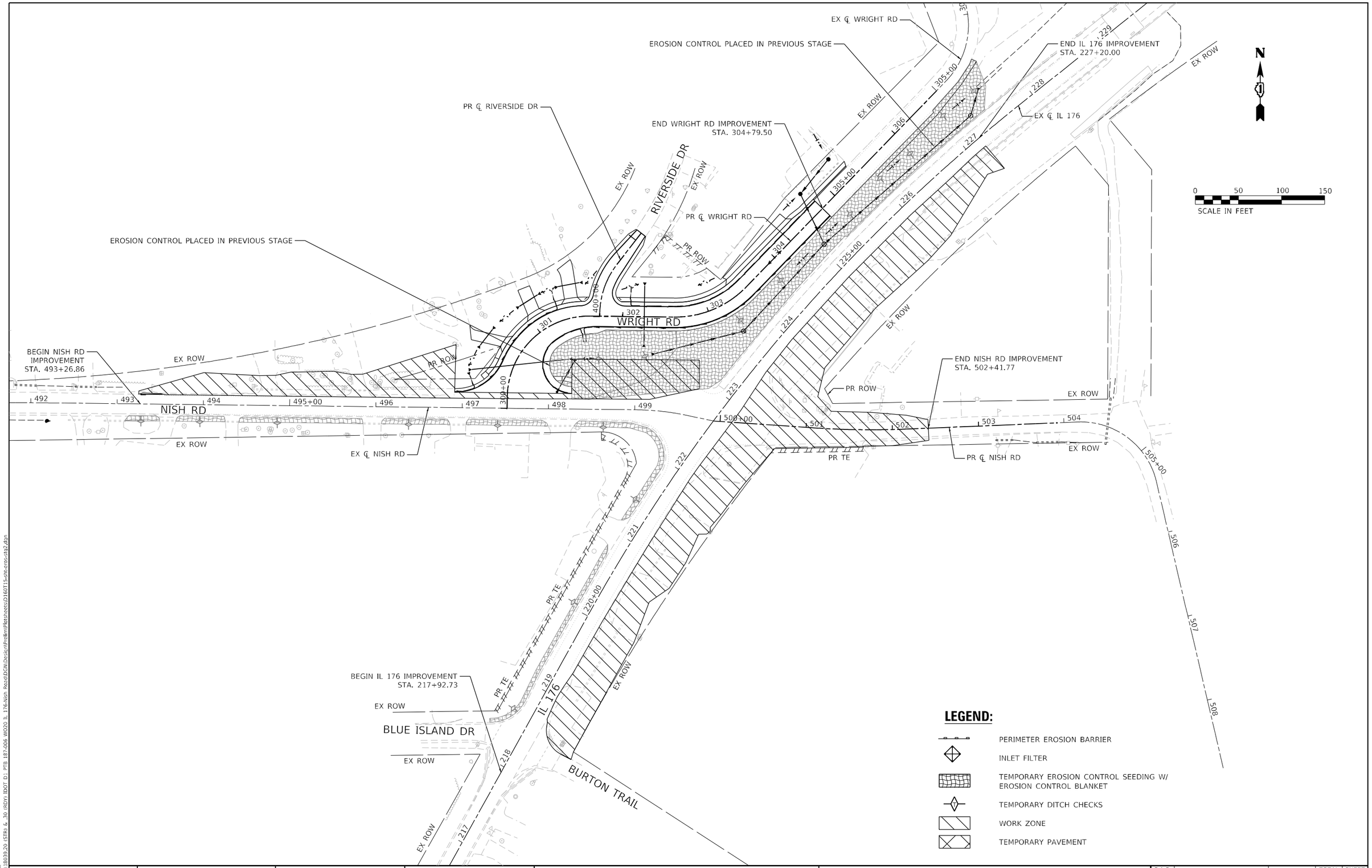
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	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 4/23/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
EROSION CONTROL PLANS – WINTER STAGE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	59
		CONTRACT NO. 60T15		
		ILLINOIS	FED. AID PROJECT	



MODEL: Default
FILE NAME: Z:\18039.20 ISTRI & 30 RDY\ IDOT D1 PTB 187-006 W020 IL 176-Nish Rd\ed\DGN\Design\Prelim\Plots\sheets\D1601T3-sht-ero-sht2.dgn

USER NAME = JBerggren	DESIGNED - RG	REVISED -	
	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 4/23/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
EROSION CONTROL PLANS – STAGE 2

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	60
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

EX ℄ WRIGHT RD

EROSION CONTROL PLACED IN PREVIOUS STAGE

PR ℄ RIVERSIDE DR

END WRIGHT RD IMPROVEMENT
STA. 304+79.50

RIVERSIDE DR

WRIGHT RD

PR ℄ WRIGHT RD

PR ROW

EX ROW

END IL 176 IMPROVEMENT
STA. 227+20.00

EX ℄ IL 176

STA. 227+20.00
35.18' RT

STA. 228+03.04
75.64' RT

STA. 227+00.00
38.22' RT

TEMP EROS CONTR SEED (28000250, 35 POUNDS)
EROSION CONTR BLANKET (25100630, 565 SQ YD)

STA. 226+18.45
62.46' RT

PERIMETER EROS BAR (28000400, 230 FEET)

STA. 225+77.54
65.04' RT

STA. 225+43.69
43.57' RT

STA. 224+93.75
60.08' RT

TEMP EROS CONTR SEED (28000250, 40 POUNDS)
EROSION CONTR BLANKET (25100630, 642 SQ YD)

TEMP EROS CONTR SEED (28000250, 1 POUND)
EROSION CONTR BLANKET (25100630, 10 SQ YD)

END NISH RD IMPROVEMENT
STA. 502+41.77

STA. 224+00.00
62.63' RT

STA. 223+67.96
77.68' RT

PR ROW
STA. 223+64.58
100.65' RT

PR ℄ NISH RD

PR TE
STA. 222+97.33
89.04' RT

STA. 222+86.47
75.85' RT

TEMP EROS CONTR SEED (28000250, 3 POUNDS)
EROSION CONTR BLANKET (25100630, 40 SQ YD)

TEMP EROS CONTR SEED (28000250, 14 POUNDS)
EROSION CONTR BLANKET (25100630, 212 SQ YD)

STA. 222+29.42
71.69' RT

STA. 221+84.84
70.14' RT

TEMP EROS CONTR SEED (28000250, 13 POUNDS)
EROSION CONTR BLANKET (25100630, 210 SQ YD)

STA. 221+12.96
66.60' RT

STA. 220+77.43
65.75' RT

TEMP EROS CONTR SEED (28000250, 11 POUNDS)
EROSION CONTR BLANKET (25100630, 174 SQ YD)

STA. 219+99.02
61.87' RT

STA. 219+18.73
52.37' RT

STA. 218+75.80
61.75' RT

TEMP EROS CONTR SEED (28000250, 12 POUNDS)
EROSION CONTR BLANKET (25100630, 187 SQ YD)

PERIMETER EROS BAR (28000400, 31 FEET)

STA. 218+45.24
63.83' RT

TEMP EROS CONTR SEED (28000250, 5 POUNDS)
EROSION CONTR BLANKET (25100630, 72 SQ YD)

STA. 218+05.82
37.17' RT

STA. 217+93.91
34.32' RT

STA. 496+91.04
72.73' LT

TEMP EROS CONTR SEED (28000250, 24 POUNDS)
EROSION CONTR BLANKET (25100630, 389 SQ YD)

TEMP EROS CONTR SEED (28000250, 10 POUNDS)
EROSION CONTR BLANKET (25100630, 162 SQ YD)

TEMP EROS CONTR SEED (28000250, 16 POUNDS)
EROSION CONTR BLANKET (25100630, 249 SQ YD)

STA. 493+55.95
34.09' LT

STA. 494+85.30
34.97' LT

STA. 494+64.14
34.44' LT

STA. 495+84.20
37.44' LT

STA. 495+69.89
37.08' LT

BEGIN NISH RD
IMPROVEMENT
STA. 493+26.86

NISH RD

EX ℄ NISH RD

TEMP EROS CONTR SEED (28000250, 64 POUNDS)
EROSION CONTR BLANKET (25100630, 1032 SQ YD)

PERIMETER EROS BAR (28000400, 58 FEET)

BEGIN IL 176 IMPROVEMENT
STA. 217+92.73

IL 176

BLUE ISLAND DR

BURTON TRAIL

EX ROW

PR TE

0 50 100 150
SCALE IN FEET

N

LEGEND:

- PERIMETER EROSION BARRIER
- INLET FILTER
- TEMPORARY EROSION CONTROL SEEDING W/ EROSION CONTROL BLANKET
- TEMPORARY DITCH CHECKS
- WORK ZONE
- TEMPORARY PAVEMENT

MODEL: Default
FILE NAME: Z:\18039.20 (STR) & .30 (RDY) IDOT D1 PTB 187-006 WO20 IL 176-Nish Rd\e\IDGN\Docs\nPreliim\Plotsheets\D160T15-sht-eros-ntg3.dgn

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	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 4/23/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
EROSION CONTROL PLANS – STAGE 3

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	61
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

EX ℄ WRIGHT RD

TEMP EROS CONTR SEED (28000250, 84 POUNDS)
EROSION CONTR BLANKET (25100630, 1347 SQ YD)

PR ℄ RIVERSIDE DR

END WRIGHT RD IMPROVEMENT
STA. 304+79.50

END IL 176 IMPROVEMENT
STA. 227+20.00

EX ROW

EX ℄ IL 176

N

0 50 100 150
SCALE IN FEET

RIVERSIDE DR

PR ℄ WRIGHT RD

EROSION CONTROL PLACED IN PREVIOUS STAGE

WRIGHT RD

BEGIN NISH RD IMPROVEMENT
STA. 493+26.86

END NISH RD IMPROVEMENT
STA. 502+41.77

NISH RD

EX ℄ NISH RD

PR ROW

PR ℄ NISH RD

PR TE

STA. 492+12.61
27.46' RT

STA. 492+51.83
26.86' RT

STA. 492+61.09
26.78' RT

STA. 492+90.30
26.63' RT

STA. 493+06.56
26.61' RT

STA. 493+47.33
30.03' RT

STA. 493+64.56
29.83' RT

STA. 494+26.46
33.16' RT

STA. 494+40.57
32.99' RT

STA. 495+85.96
31.20' RT

STA. 496+06.03
30.96' RT

STA. 496+87.34
29.72' RT

STA. 497+04.13
29.51' RT

STA. 498+00.85
27.68' RT

STA. 221+85.90
98.60' LT

STA. 221+84.11
60.57' LT

PERIMETER EROS BAR
(28000400, 140 FEET)

STA. 221+78.80
53.48' LT

STA. 221+69.29
46.93' LT

STA. 221+10.31
40.02' LT

STA. 220+85.38
39.01' LT

PERIMETER EROS BAR
(28000400, 81 FEET)

PERIMETER EROS BAR (28000400, 99 FEET)

TEMP EROS CONTR SEED (28000250, 55 POUNDS)
EROSION CONTR BLANKET (25100630, 886 SQ YD)
(TOTAL OF 10 NISH RT SEEDING AREAS)

TEMP EROS CONTR SEED (28000250, 25 POUNDS)
EROSION CONTR BLANKET (25100630, 405 SQ YD)

STA. 218+53.30
38.21' LT

BEGIN IL 176 IMPROVEMENT
STA. 217+92.73

STA. 218+41.06
59.58' LT

IL 176

BLUE ISLAND DR

BURTON TRAIL

TEMP EROS CONTR SEED (28000250, 3 POUND)
EROSION CONTR BLANKET (25100630, 40 SQ YD)

LEGEND:

- PERIMETER EROSION BARRIER
- INLET FILTER
- TEMPORARY EROSION CONTROL SEEDING W/ EROSION CONTROL BLANKET
- TEMPORARY DITCH CHECKS
- WORK ZONE
- TEMPORARY PAVEMENT

MODEL: Default
FILE NAME: 23-18039.20 (STR) & 30 (RDY) DOT D1 PTB 187-006 WO20 IL 176-Nish Road\DGN\Design\Prelim\Plots\sheets\D1607T15-sht-eros-stg4.dgn

USER NAME = JBerggren	DESIGNED - RG	REVISED -	
	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 4/23/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

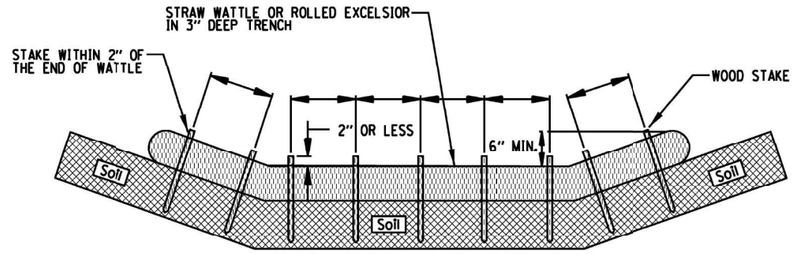
IL 176 AT NISH RD
EROSION CONTROL PLANS – STAGE 4

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	62
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

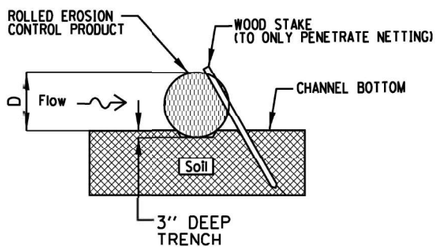
ROLLED EROSION CONTROL PRODUCTS

STAKING PATTERN GUIDE



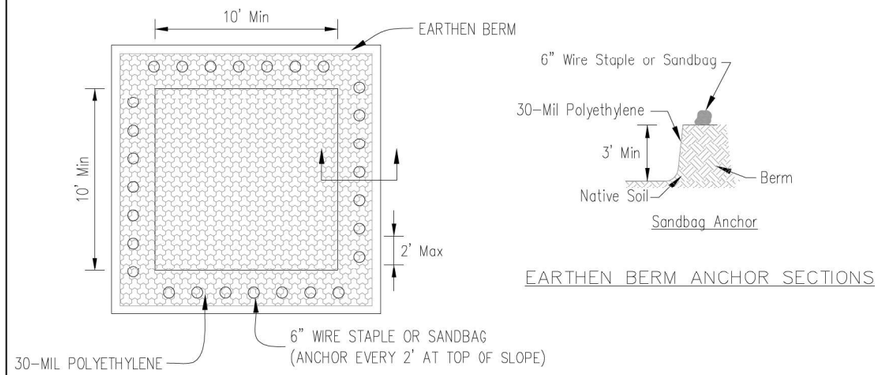
NOTES:
1. OVERLAP MINIMUM IS THE DIAMETER OF THE ROLL.
2. 4' SPACING FOR WATTLES.
3. 2' SPACING FOR ROLLED EXCELSIOR.
4. OR SPACE ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

STAKE DETAIL



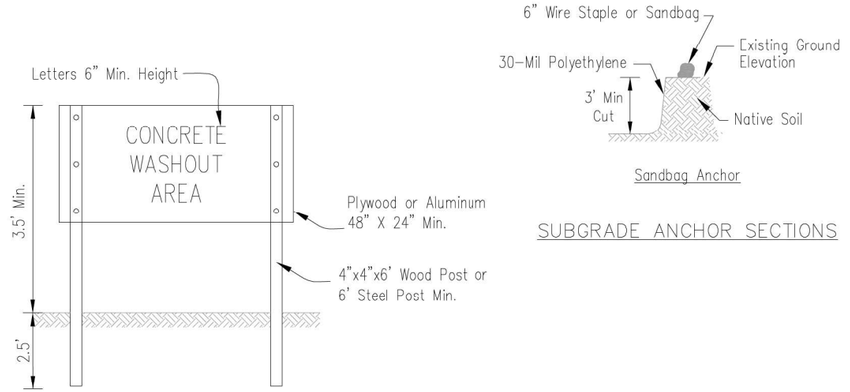
NOTES:
1. DRAWINGS ARE NOT TO SCALE.
2. ENDS OF WATTLES OR ROLLED EXCELSIOR SHALL BE TURNED AT LEAST 6" UPSLOPE.
3. RECOMMENDED STAKES ARE 1 1/8" WIDE x 1 1/8" THICK x 30" LONG.
4. STAKES SHALL NOT EXTEND ABOVE THE STRAW WATTLE MORE THAN 2".
5. SPACING: THE TOE OF THE UPSTREAM DITCH CHECK SHALL CREATE A HORIZONTAL LINE WITH THE TOP OF THE DOWNSTREAM DITCH CHECK.

REFERENCE		STANDARD DWG. NO.
Project		IUM-514
Designed ____ Date ____		SHEET 1 OF 1
Checked ____ Date ____		DATE 08-2-2019
Approved ____ Date ____		



PLAN VIEW

EARTHEN BERM ANCHOR SECTIONS



SIGN DETAIL

SUBGRADE ANCHOR SECTIONS

NOTES:

1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardend concrete and/or slurry and returning the facilities to a functional condition.
2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

Sheet 2 of 3 | Drawing No. IUM-514 | File No.

TEMPORARY CONCRETE WASHOUT FACILITY - EARTHEN TYPE

	Date
Designed	
Drawn B. JOHNSON	6/08
Checked	
Approved	

MODEL: Default
FILE NAME: 22118039.20 (STR) & 30 (RDY) IDOT D1 PTB 187-006 W020 IL 176-Nish Road\DGN\Design\Prelim\Plotsheets\D160T15-cnt-eros-details.dgn

USER NAME = RCall	DESIGNED - RG	REVISED -
	DRAWN - CS	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -
PLOT DATE = 2/5/2021	DATE -	REVISED -

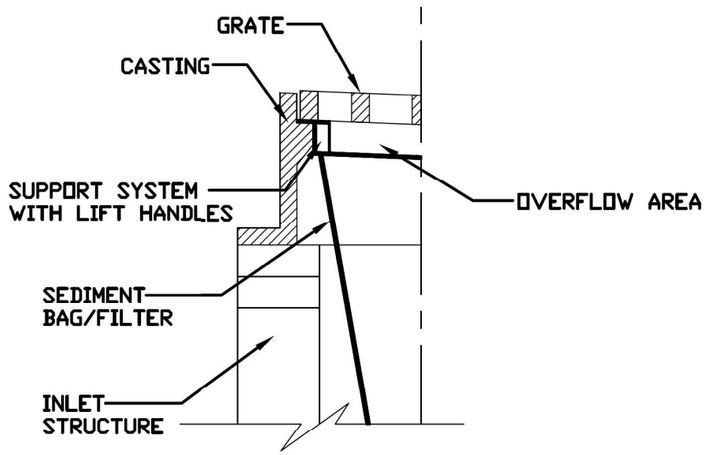
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

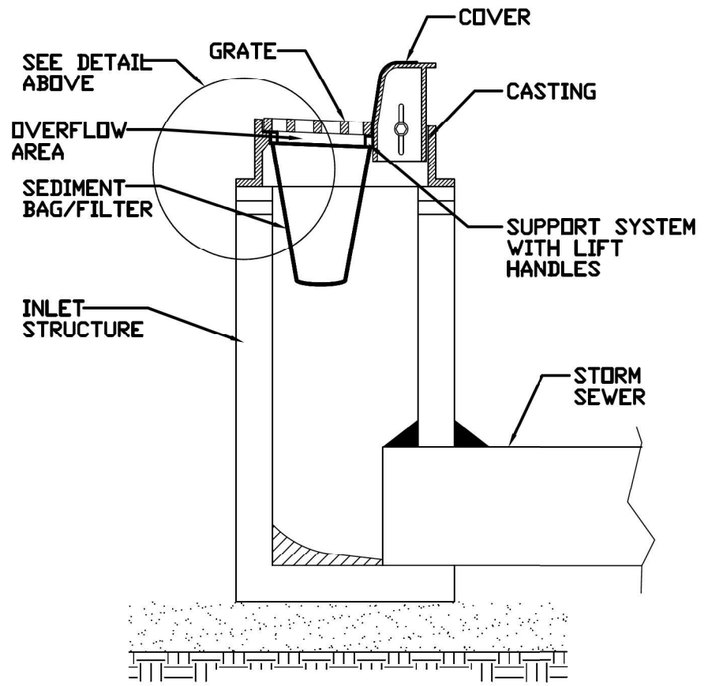
IL 176 AT NISH RD
EROSION CONTROL DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	63
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

INLET PROTECTION - PAVED AREAS
DROP-IN PROTECTION





REFERENCE
Project _____
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

STANDARD DWG. NO.
IUM-561D
SHEET 1 OF 1
DATE 01-11-11

MODEL: Default
FILE NAME: Z:\18039.20 ISTRI & 30 IRDY IDOT D1 PTB 187-006 W020 IL 176-Nish Rd\IDOT\Design\Preliminl\Plots\sheets\D1601T5-ohl-ero-detail.dgn

USER NAME = RCall	DESIGNED - RG	REVISED -	
	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 2/5/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
EROSION CONTROL DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	64
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

STRUCTURE SCHEDULE

STRUC NO	ALIGN	STA	O/S	RIM	INVERTS				54213657 PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	54213660 PRECAST REINFORCED CONCRETE FLARED END SECTION 15"	54213681 PRECAST REINFORCED CONCRETE FLARED END SECTION 36"	54213687 PRECAST REINFORCED CONCRETE FLARED END SECTION 42"	54214521 PRECAST REINFORCED CONCRETE FLARED END SECTION, EQUIVALENT ROUND - SIZE 36"	60200805 CATCH BASIN, TYPE A, 4'DIA, TYPE 8 GRATE	60201330 CATCH BASIN, TYPE A, 4'DIA, TYPE 23 FRAME AND GRATE	60207605 CATCH BASIN, TYPE C, TYPE 8 GRATE	60218400 MANHOLE, TYPE A, 4'DIA, TYPE 1 FRAME, CLOSED LID	60219530 MANHOLE, TYPE A, 4'DIA, TYPE 23 FRAME AND GRATE	60221100 MANHOLE, TYPE A, 5'DIA, TYPE 1 FRAME, CLOSED LID	60223800 MANHOLE, TYPE A, 6'DIA, TYPE 1 FRAME, CLOSED LID	60224439 MANHOLE, TYPE A, 7'DIA, TYPE 23 FRAME AND GRATE	60224446 MANHOLE, TYPE A, 7'DIA, TYPE 1 FRAME, CLOSED LID
					N	S	E	W	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
CB-001	NISH	492+18.98	21.16'RT	746.15			740.17							1									
MH-002	NISH	493+26.21	14.25'RT	746.47		739.23	738.73	738.73												1			
CB-003	NISH	493+25.89	25.67'RT	744.12	739.36											1							
MH-004	NISH	494+13.72	16.70'RT	745.87		738.48	738.27	738.27												1			
CB-005	NISH	494+13.72	24.56'RT	744.41	738.54											1							
MH-006	NISH	495+68.14	20.78'RT	744.50		738.10	737.54	737.54												1			
CB-007	NISH	495+68.21	27.16'RT	743.41	738.16											1							
MH-008	NISH	496+74.77	18.08'RT	743.67		737.45	737.33	737.33														1	
CB-009	NISH	496+74.83	27.91'RT	742.52	737.52											1							
MH-010	NISH	497+89.02	18.00'RT	742.54	737.10	737.95		737.10														1	
CB-011	NISH	497+89.02	25.82'RT	742.11	738.01											1							
MH-012	NISH	498+74.58	18.04'RT	742.08	737.64		737.64	737.64										1					
CB-013	NISH	499+06.36	34.28'RT	743.14				738.00							1								
FES-014	NISH	498+23.10	57.53'LT					737.00		1													
FES-015	NISH	497+10.82	44.43'LT				737.75			1													
CB-016	L 176	223+08.07	79.81'RT	741.70	737.91										1								
CB-017	L 176	223+48.33	76.07'RT	741.44	737.51	737.51									1								
FES-018	NISH	498+28.69	54.39'LT			737.00							1										
FES-019	NISH	498+94.12	53.56'LT			736.89				1													
FES-022	L 176	222+90.17	101.03'LT				736.85					1											
MH-023	L 176	223+71.61	37.00'LT	743.18	736.76			736.76												1			
CB-024	L 176	225+28.80	94.06'LT	740.59	737.25		737.25							1									
MH-025	L 176	225+06.64	33.99'LT	745.14	736.64	736.64		736.64															1
CB-026	L 176	225+77.74	99.53'LT	739.67		737.50										1							
MH-027	L 176	227+29.11	26.02'LT	745.46	736.45	736.45														1			
FES-028	L 176	227+53.29	42.76'LT			736.42						1											
CB-030	L 176	219+00.00	55.31'RT	749.80				747.04								1							
CB-031	L 176	220+68.11	52.69'RT	744.92				741.85								1							
CB-032	L 176	221+59.65	65.20'RT	743.20				739.00								1							
CB-035	L 176	224+10.04	26.00'RT	742.18				737.43							1								
MH-036	L 176	224+00.00	33.75'RT	742.25	736.83	736.83	736.83	736.83															1
MH-037	L 176	226+79.21	25.44'RT	746.28		736.55	736.55													1			
CB-038	L 176	218+05.48	28.90'RT	755.59	750.90											1							
MH-039	L 176	218+02.38	18.85'LT	758.11		754.09	753.09	754.09										1					
CB-040	L 176	219+00.00	22.75'RT	753.28			747.74								1								
CB-041	L 176	220+68.11	27.11'RT	746.62			741.88								1								
CB-042	L 176	221+67.02	27.00'RT	744.12		739.00									1								
CB-043	L 176	224+00.00	26.16'RT	742.14	737.08		737.08								1								
CB-044	L 176	224+00.00	44.70'RT	740.52		736.94		736.94						1									
MH-045	L 176	218+15.08	31.78'RT	756.84	749.75	750.75		750.75												1			
MH-046	L 176	219+00.00	39.34'RT	753.29	746.36	747.36	746.86	747.36											1				
MH-047	L 176	220+68.11	43.69'RT	746.67	740.77	741.77	741.77	741.77											1				
MH-048	L 176	221+14.90'	26.00'RT	745.29			740.50	EXIST										1					
MH-049	L 176	221+67.02	46.32'RT	744.22	737.13	738.13	738.13	738.13												1			
MH-050	L 176	221+14.65	44.11'RT	745.34	738.87	739.87		739.87											1				
FES-051	L 176	227+98.74	70.39'RT					736.36			1												
FES-052	PR WRIGHT	300+70.48	42.48'LT			738.30				1													
FES-053	PR WRIGHT	302+25.00	35.84'LT			738.37				1													
FES-054	PR WRIGHT	300+51.76	45.43'LT		738.37					1													
FES-055	PR WRIGHT	302+25.00	31.14'RT		737.70					1													
FES-056	PR WRIGHT	300+99.30	38.56'LT				738.45			1													
FES-057	PR WRIGHT	301+17.02	38.78'LT					738.52		1													
FES-058	PR WRIGHT	301+35.14	39.04'LT				738.56			1													
FES-059	PR WRIGHT	301+53.01	39.23'LT					738.63		1													
FES-060	NISH	494+58.83	29.37'LT				742.86			1													
FES-061	NISH	494+90.83	30.02'LT					742.63		1													
FES-062	NISH	495+62.01	31.95'LT				741.91			1													
FES-063	NISH	495+91.71	32.62'LT					741.57		1													
FES-064	L 176	218+03.23	33.53'LT				754.20		1														
CB-065	L 176	217+91.91	19.35'LT	757.54	754.50											1							
CB-066	L 176	498+67.50	24.27'RT	741.64			737.74									1							
TOTALS									1	15	1	2	1	3	8	12	1	2	3	8	2	2	

USER NAME = JBerggren	DESIGNED - RG	REVISED -	
	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 4/23/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
DRAINAGE SCHEDULE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	65
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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PIPE SCHEDULE

PIPE NO	SLOPE	FROM STRUC NO	FROM INVERT	TO STRUC NO	TO INVERT	542A0220 PIPE CULVERTS, CLASS A, TYPE 1 - 15"	550A0050 STORM SEWER, CLASS A, TYPE 1 - 12"	550A0070 STORM SEWER, CLASS A, TYPE 1 - 15"	550A0180 STORM SEWERS, CLASS A, TYPE 1 42"	550A0340 STORM SEWER, CLASS A, TYPE 2 - 12"	550A0360 STORM SEWER, CLASS A, TYPE 2 - 15"	550A0380 STORM SEWER, CLASS A, TYPE 2 - 18"	550A0400 STORM SEWER, CLASS A, TYPE 2 - 21"	550A0430 STORM SEWER, CLASS A, TYPE 2 - 30"	550A0450 STORM SEWER, CLASS A, TYPE 2 - 36"	550A0470 STORM SEWER, CLASS A, TYPE 2 - 42"	550A4500 STORM SEWER, CLASS A, TYPE 1 EQUIVALENT ROUND SIZE 36"	550A5300 STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND SIZE 36"	20800150 TRENCH BACKFILL	30300001 AGGREGATE SUBGRADE IMPROVEMENT	44201757 CLASS D PATCHES, TYPE III, 9 INCH	44201891 CLASS D PATCHES, TYPE III, 20 INCH
	%					FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	CU YD	CU YD	SQ YD	SQ YD
1	1.3%	CB-001	740.17	MH-002	738.73									108					125.0			
2	1.1%	CB-003	739.36	MH-002	739.23					12												
3	0.5%	MH-002	738.73	MH-004	738.27										88				115.3			
4	0.7%	CB-005	738.54	MH-004	738.48					8												
5	0.5%	MH-004	738.27	MH-006	737.54										155				187.8			
6	0.9%	CB-007	738.16	MH-006	738.10					7												
7	0.2%	MH-006	737.54	MH-008	737.33										107				113.8			
8	0.7%	CB-009	737.52	MH-008	737.45					10												
9	0.2%	MH-008	737.33	MH-010	737.10													115	122.9			
10	0.7%	CB-011	738.01	MH-010	737.95					8												
11	0.1%	MH-010	737.10	FES-018	737.00												83		12.2		23	
12	0.7%	FES-015	737.75	FES-014	737.00	114																
13	1.0%	CB-013	738.00	MH-012	737.64					36									13.1			
14	1.0%	MH-012	737.64	FES-019	736.89			75											10.8		17	
15	0.3%	FES-054	738.37	FES-052	738.30	24																
16	1.0%	FES-053	738.37	FES-055	737.70	67													8.2			
17	0.1%	FES-022	736.85	MH-023	736.76				106											28.5		
18	0.1%	MH-023	736.76	MH-025	736.64											138			180.6	37.1		
19	0.9%	CB-024	737.25	MH-025	736.64						65								57.4	11.2		
20	0.1%	MH-025	736.64	MH-027	736.45											226			441.4	60.7		
21	0.1%	MH-027	736.45	FES-028	736.42											34				9.2		
22	0.5%	CB-026	737.50	CB-024	737.25		52															
23	4.1%	MH-039	753.09	MH-045	750.75					57									39.7			21
24	2.8%	MH-045	749.75	MH-046	747.36							86							80.7			21
25	2.2%	CB-040	747.74	MH-046	747.36					17									15.1			
26	2.7%	MH-046	746.36	MH-047	741.77							167							162.9			
27	0.6%	CB-041	741.88	MH-047	741.77					17									12.4			
28	2.0%	MH-047	740.77	MH-050	739.87								46						42.3			
29	3.1%	MH-048	740.50	MH-050	739.87						20								14.9			
30	4.4%	CB-042	739.00	MH-049	738.13					20												
31	0.1%	MH-049	737.13	MH-036	736.83									229					223.6			
32	1.0%	CB-017	737.51	CB-044	736.94					59									41.1			
33	1.0%	CB-044	736.94	MH-036	736.83					11												
34	3.5%	CB-035	737.43	CB-043	737.08					10									7.0			
35	3.1%	CB-043	737.08	MH-036	736.83					8									5.9			
36	0.1%	MH-036	736.83	MH-037	736.55													275	72.1			
37	0.2%	MH-037	736.55	FES-051	736.36										126							
38	1.0%	CB-016	737.91	CB-017	737.51					39									14.5			
39	1.5%	CB-038	750.90	MH-045	750.75						10											
40	1.1%	CB-030	747.04	MH-046	746.86					16												
41	0.9%	CB-031	741.85	MH-047	741.77					9												
42	4.1%	CB-032	739.00	MH-049	738.13		21												16.0			
43	1.4%	MH-050	738.87	MH-049	738.13									52					55.5			
44	0.3%	FES-057	738.52	FES-056	738.45	25																
45	0.3%	FES-059	738.63	FES-058	738.56	26																
46	0.7%	FES-060	742.86	FES-061	742.63	32																
47	1.0%	FES-062	741.91	FES-063	741.57	33																
48	1.0%	FES-064	754.20	MH-039	754.09		11															
49	3.7%	CB-065	754.50	MH-039	754.09		11															
50	1.0%	CB-066	737.74	MH-012	737.64					10									3.7			
					TOTAL	321	95	75	106	354	95	253	46	389	476	398	83	390	2196	147	40	42

UNDERDRAIN SCHEDULE

UNDERDRAIN NUMBER	60108100 PIPE UNDERDRAIN 4" (SPECIAL) FOOT	60108204 PIPE UNDERDRAIN TYPE 2, 4" FOOT	60100060 CONCRETE HEADWALL FOR PIPE DRAINS EACH	NOTES
U-101		89		DRAIN TO CB-040
U-102		176		DRAIN TO CB-041
U-103		102		DRAIN TO CB-042
U-104		400		DRAIN TO CB-013
U-105		159		DRAIN TO CB-016
U-106		164		DRAIN TO CB-016
U-107		77		DRAIN TO MH-012
U-108		245		DRAIN TO CB-043
U-109	28	155	1	
U-110	16	225	1	
U-111	16	348	1	
U-112	23	281	1	
U-113		138		DRAIN TO MH-023
U-114		314		DRAIN TO CB-035
U-115		225		DRAIN TO MH-025
U-116	23	152	1	
U-117	17	403	1	
U-118		108		DRAIN TO MH-010
U-119		68		DRAIN TO MH-008
U-120		149		DRAIN TO MH-006
U-121		82		DRAIN TO MH-004
TOTAL	123	4060	6	

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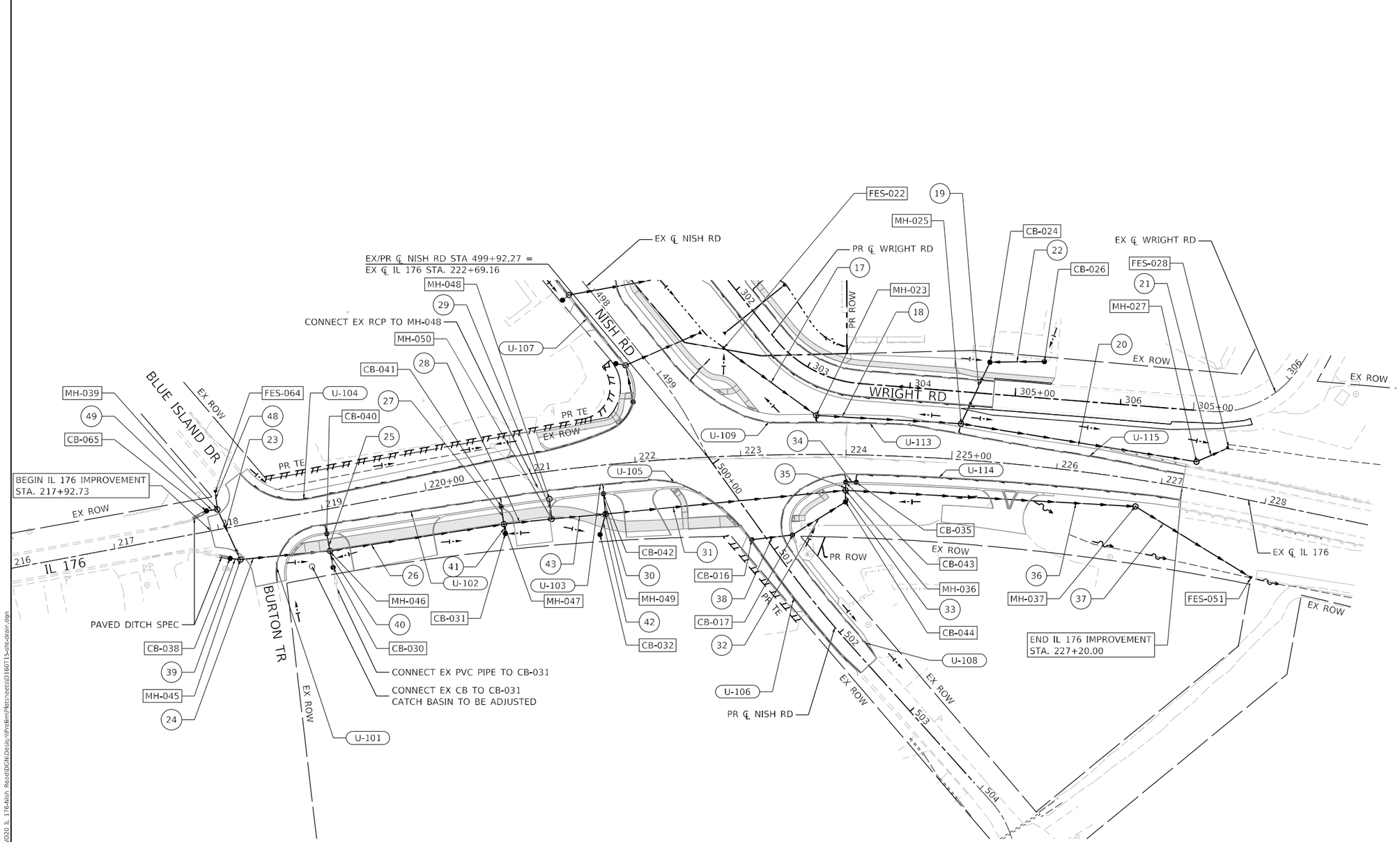
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PLOT DATE = 2/5/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
DRAINAGE SCHEDULE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	66
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		



0 50 100 150

SCALE IN FEET

DRAINAGE LEGEND

- XX — PROPOSED DRAINAGE STRUCTURE
- XX — PROPOSED DRAINAGE PIPE
- XX — PROPOSED PIPE UNDERDRAIN
- PROPOSED CULVERT
- PROPOSED STORMSEWER
- PROPOSED PIPE UNDERDRAIN
- EXISTING STORMSEWER
- EXISTING PIPE UNDERDRAIN

NOTES:

1. SEE DRAINAGE SCHEDULE FOR ADDITIONAL DETAILS AND LOCATIONS OF PIPES AND STRUCTURES.

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	DRAWN - CS	REVISED -	
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PLOT DATE = 4/23/2021	DATE -	REVISED -	

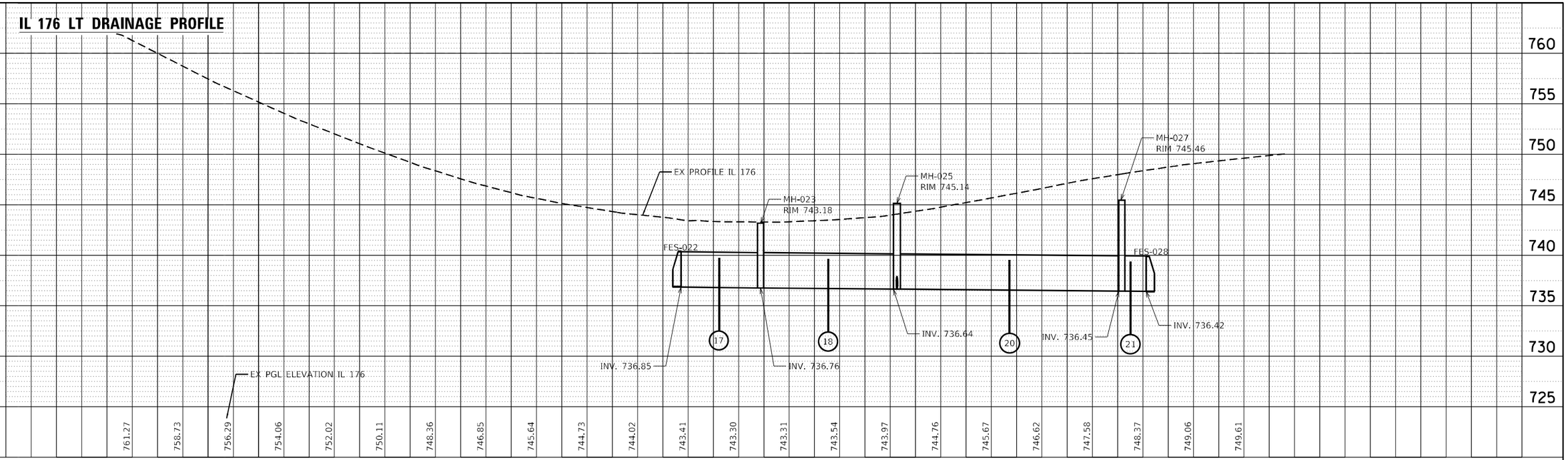
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
DRAINAGE PLAN AND PROFILE – IL 176

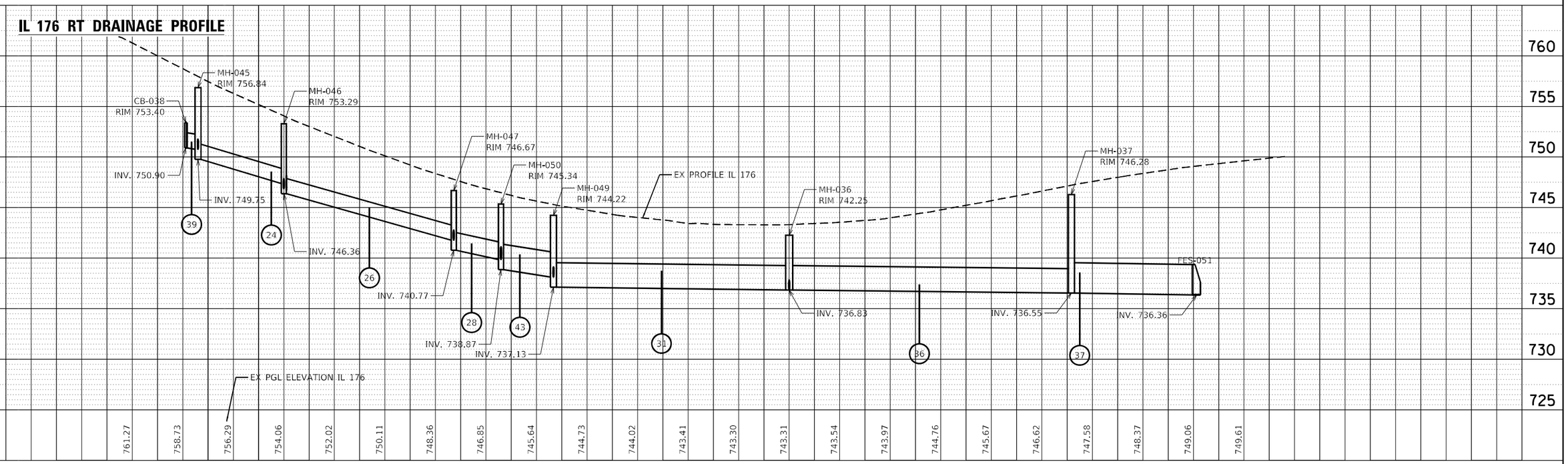
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	67
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

IL 176 LT DRAINAGE PROFILE



IL 176 RT DRAINAGE PROFILE



PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
PLANS CHECKED
R.O.W. CHECKED
CADD FILE NAME
BY
DATE

PROFILE
NOTE BOOK
NO.
SURVEYED
PLOTTED
PLANS CHECKED
R.O.W. NOTED
STRUCTURE NOTATIONS CHKD
BY
DATE

MODEL: Default
FILE NAME: Z:\18039.20 (STRU & .30 (RDY) IDOT D1 PTB 187-006 WO20 IL 176-Nish Road\DGN\Design\Prelim\Plots\sheets\D160T15-sht-drain.dgn

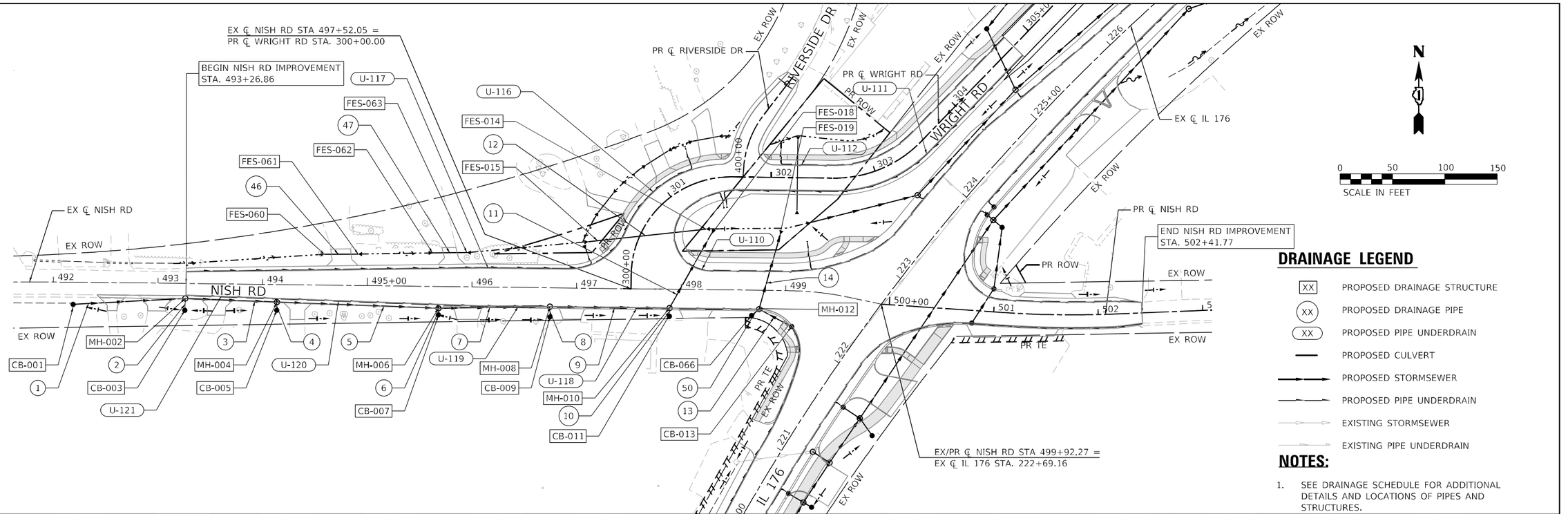
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PLOT DATE = 4/23/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
DRAINAGE PLAN AND PROFILE – IL 176

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	68
		CONTRACT NO. 60T15		
		ILLINOIS	FED. AID PROJECT	

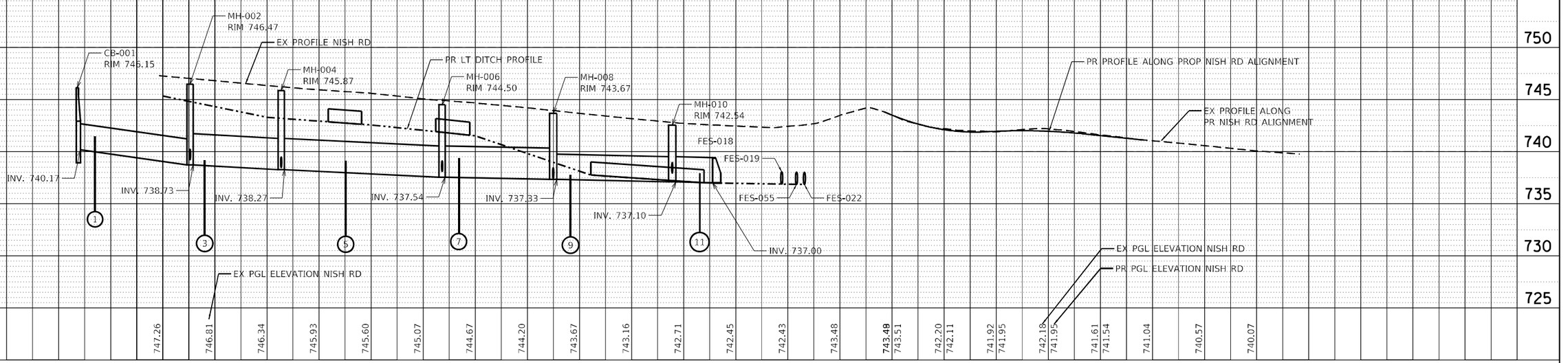


DRAINAGE LEGEND

- XX — PROPOSED DRAINAGE STRUCTURE
- XX — PROPOSED DRAINAGE PIPE
- XX — PROPOSED PIPE UNDERDRAIN
- PROPOSED CULVERT
- PROPOSED STORMSEWER
- PROPOSED PIPE UNDERDRAIN
- EXISTING STORMSEWER
- EXISTING PIPE UNDERDRAIN

NOTES:

1. SEE DRAINAGE SCHEDULE FOR ADDITIONAL DETAILS AND LOCATIONS OF PIPES AND STRUCTURES.



USER NAME = JBerggren	DESIGNED - RG	REVISED -	**STATE OF ILLINOIS**
	DRAWN - CS	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 4/23/2021	DATE -	REVISED -	

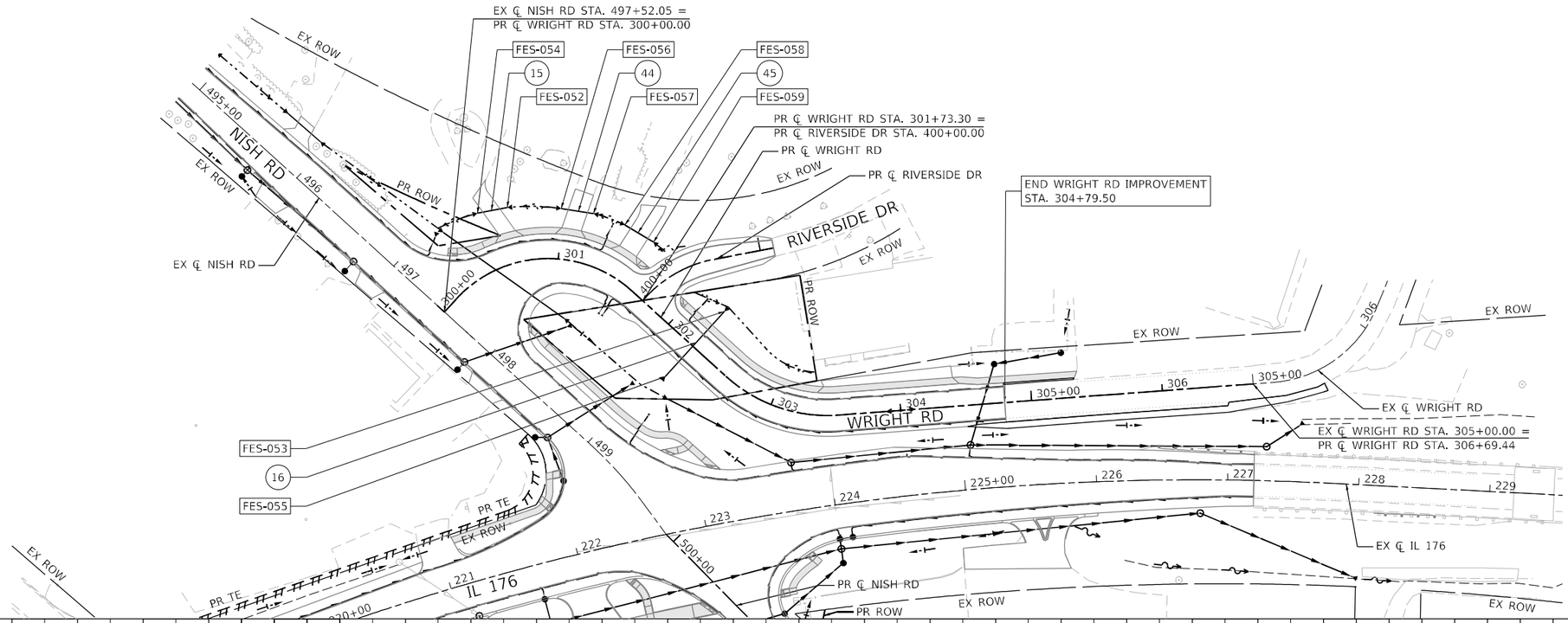
IL 176 AT NISH RD
DRAINAGE PLAN AND PROFILE – NISH RD

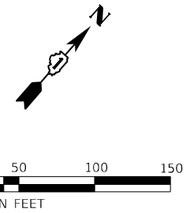
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	69
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

PLAN / PROFILE — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

MODEL: Default
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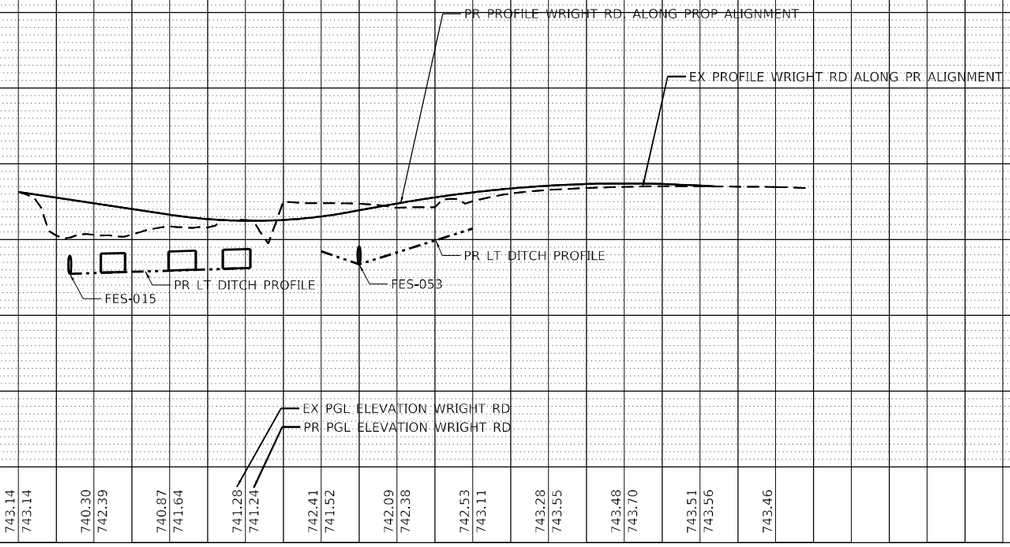


DRAINAGE LEGEND

- XX — PROPOSED DRAINAGE STRUCTURE
- XX — PROPOSED DRAINAGE PIPE
- XX — PROPOSED PIPE UNDERDRAIN
- PROPOSED CULVERT
- PROPOSED STORMSEWER
- PROPOSED PIPE UNDERDRAIN
- EXISTING STORMSEWER
- EXISTING PIPE UNDERDRAIN

NOTES:

1. SEE DRAINAGE SCHEDULE FOR ADDITIONAL DETAILS AND LOCATIONS OF PIPES AND STRUCTURES.



PLAN — SURVEYED; PLOTTED; QUANTITIES CHECKED; ALIGNMENT CHECKED; RT. OF WAY CHECKED; CADD FILE NAME; NOTE BOOK; NO.; BY; DATE

PROFILE — SURVEYED; PLOTTED; QUANTITIES CHECKED; DATA MOTED; STRUCTURE NO(S).(TYP.); BY; DATE

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USER NAME = JBerggren	DESIGNED - RG	REVISED -
	DRAWN - CS	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -
PLOT DATE = 4/23/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
DRAINAGE PLAN AND PROFILE – WRIGHT RD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	70
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

LEGEND

ALL UTILITY INFORMATION HEREON IS DEPICTED TO QUALITY LEVEL "B" (QL-B) UNLESS OTHERWISE NOTED. QL-B INFORMATION IS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO IDENTIFY THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES. QL-B DATA ARE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES AND REDUCED ONTO PLAN DOCUMENTS.
SIZE INFORMATION SHOWN HEREON IS TAKEN FROM AVAILABLE UTILITY RECORDS.

ABBREVIATIONS:

(QL-C)	DEPICTED ACCORDING TO RECORD INFORMATION AND EXISTING ASSOCIATED UTILITY STRUCTURES. NO ELECTRONIC INFORMATION WAS OBTAINED.
(QL-D)	DEPICTED ACCORDING TO RECORD INFORMATION, NO ELECTRONIC INFORMATION WAS OBTAINED.
(DATFI)	DEPICTED ACCORDING TO FIELD INSPECTION
(FO)	FIBER OPTIC
(AATUR)	ABANDONED ACCORDING TO UTILITY RECORDS
(AATFI)	ABANDONED ACCORDING TO FIELD INSPECTION
(EATFI)	EMPTY ACCORDING TO FIELD INSPECTION
EOI	END OF ELECTRONIC DESIGNATING INFORMATION
EORI	END OF UTILITY RECORD INFORMATION
(NAC)	NO ASSOCIATED CABLE FOUND FROM UTILITY STRUCTURE
(NAP)	NO ASSOCIATED PIPING FOUND FROM UTILITY STRUCTURE
———	UTILITY ENDPOINT

UNLESS OTHERWISE NOTED, UTILITY LINE LIMITS DEPICTED REPRESENT FIELD DESIGNATING LIMITS AND NOT ENDPOINTS OF UTILITIES.
UTILITY INFORMATION LABELED "QL-C" OR "QL-D" IS DERIVED FROM FURNISHED RECORDS. SUCH INFORMATION MAY NOT BE ACCURATE OR RELIABLE. SAM, LLC EXPRESSLY DISCLAIMS RESPONSIBILITY FOR THE ACCURACY OR RELIABILITY OF UTILITY INFORMATION DEPICTED ACCORDING TO RECORDS.

ELECTRONIC DEPTH READINGS WERE TAKEN DIRECTLY FROM ELECTRONIC DESIGNATION INSTRUMENTS AND HAVE NOT BEEN VERIFIED BY ANY OTHER MEANS. EQUIPMENT MANUFACTURERS WILL NOT GUARANTEE AND ACCURACY FOR THIS DATA. THEREFORE, THE DEPTH READINGS ARE NOT TO BE CONSIDERED SUITABLE FOR DESIGN DECISIONS. SAM, LLC. DOES NOT WARRANT OR GUARANTEE THE ACCURACY OF RELIABILITY OF ANY ELECTRONIC DEPTH READINGS

SAM®

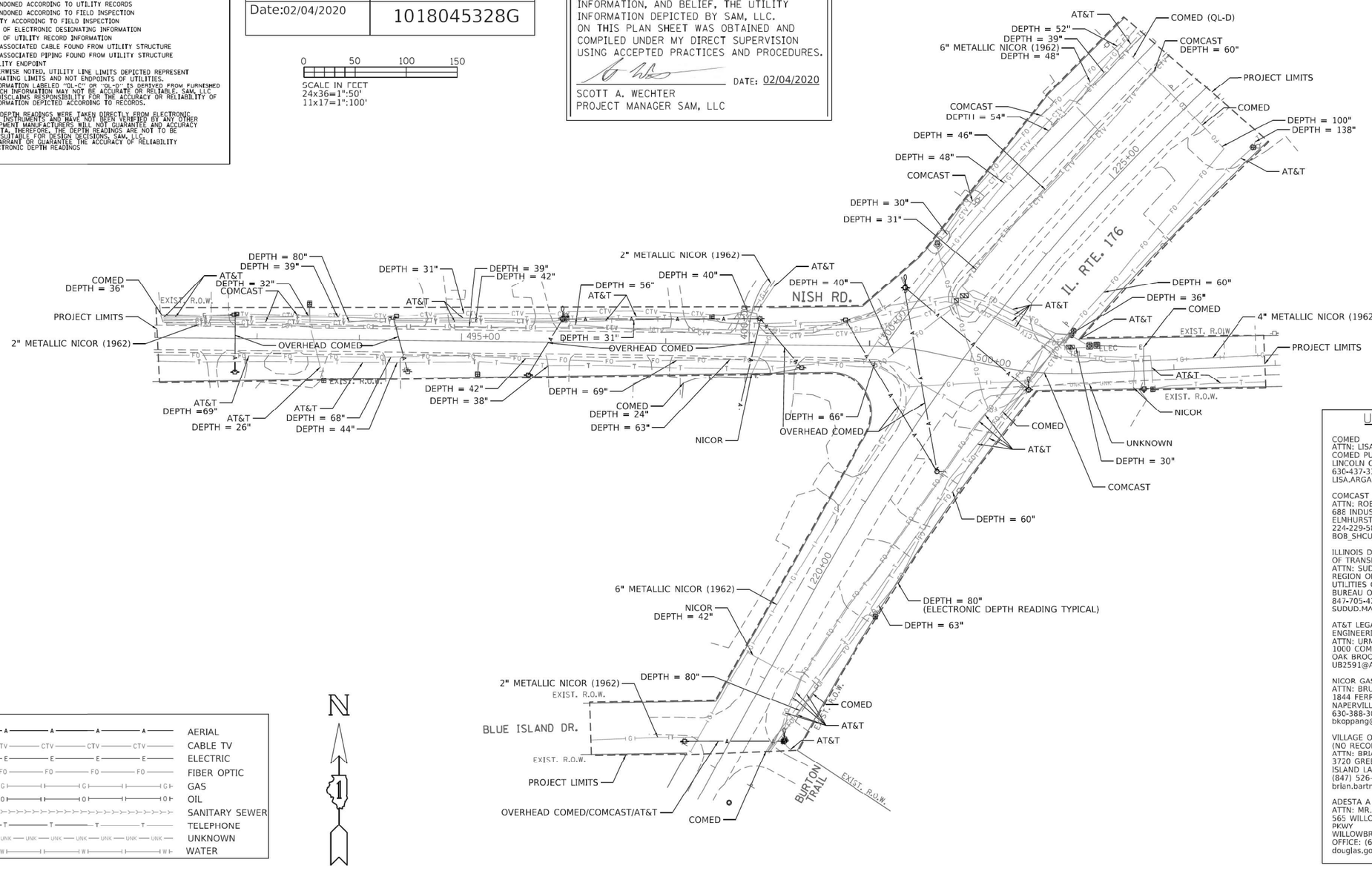
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Scale: 1"=50'	Drafted By: J.B.
Sheet: 1	Checked By: L.P/S.W.
Date:02/04/2020	1018045328G

0 50 100 150
SCALE IN FEET
24x36=1":50'
11x17=1":100'

ILLINOIS
SCOTT A. WECHTER
REG. 62-042188
REGISTERED PROFESSIONAL ENGINEER

I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

DATE: 02/04/2020
SCOTT A. WECHTER
PROJECT MANAGER SAM, LLC



UTILITY OWNERS

COMED
ATTN: LISA ARGAST
COMED PUBLIC RELOCATION
LINCOLN CENTER ONE
630-437-3381
LISA.ARGAST@COMED.COM

COMCAST
ATTN: ROBERT SCHULTER
688 INDUSTRIAL DRIVE
ELMHURST, IL 60126
224-229-5861
BOB_SHCULTER@CABLE.COMOCAST.COM

ILLINOIS DEPARTMENT
OF TRANSPORTATION
ATTN: SUDUD MAHMOUD
REGION ONE
UTILITIES CORODINATOR
BUREAU OF DESIGN
847-705-4258
SUDUD.MAHMOUD@ILLINOIS.GOV

AT&T LEGAL MANDATE
ENGINEERING
ATTN: URMI PICONE
1000 COMMERCE DRIVE
OAK BROOK, IL 60523
UB2591@ATT.COM

NICOR GAS
ATTN: BRUCE KOPPANG
1844 FERRY RAOD
NAPERVILLE, IL 60563
630-388-3046
bkoppang@souternco.com

VILLAGE OF ISLAND LAKE
(NO RECORDS RECEIVED)
ATTN: BRIAN BARTNICK
3720 GREENLEAF AVE.
ISLAND LAKE, IL 60042
(847) 526-8764
brian.bartnick@voilslk.com

ADESTA A G4S COMPANY
ATTN: MR. DOUG GONES
565 WILLOWBROOK CENTRE
PKWY
WILLOWBROOK IL 60527
OFFICE: (630) 343-2826
douglas.gones@usa.g4s.com

AERIAL	A
CABLE TV	CTV
ELECTRIC	E
FIBER OPTIC	FO
GAS	G
OIL	O
SANITARY SEWER	S
TELEPHONE	T
UNKNOWN	UNK
WATER	W

N
1

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PLOT DATE = 1/17/2020	DATE - 02/04/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NISH ROAD
AND HWY 176

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 490+60 | TO STA. 503+10

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	1	1
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

MODEL: 5 scale Plan
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	DRAWN - CS	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 2/5/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
SUE DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	71
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

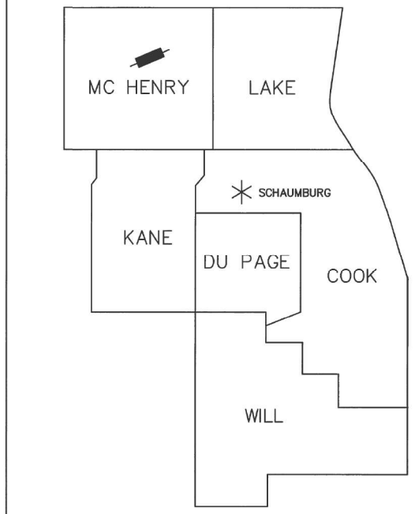
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		McHENRY	5	1
F.H.W.A. REQ.		ILLINOIS	PROJECT	R-91-011-013

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAT OF HIGHWAYS

ROUTE: IL ROUTE 176
SECTION:
COUNTY: McHENRY
LIMITS: AT NISH ROAD

JOB NO. R-91-011-013



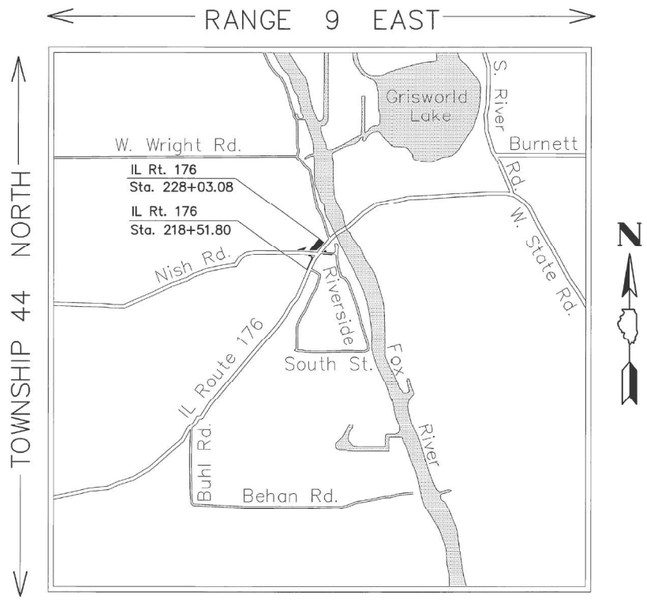
DISTRICT HEADQUARTERS: -
LOCATION OF SECTION INDICATED THUS: -

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

ASM Consultants, Inc.
16 E Wilson St, Batavia IL 60510
Tel (630) 879-0200 Fax (630) 454-3774
advanced@advct.com
Professional Design Firm #184-006014 expires 4/30/2019

ASM PROJECT NO. 777-017

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
1N70001	McHenry County, as Trustee	2	
1N70002	Joseph Penze	2	
1N70003TE	Mirko T. Rogulic, as Trustee of the Mirko T. Rogulic Trust dated December 28, 2009, as to an undivided 1/2 interest, and Sharon R. Rogulic, as Trustee of the Sharon R. Rogulic Trust dated December 28, 2009, as to an undivided 1/2 interest	3	
1N70004TE	Edward L. Dunne, as Trustee under a trust agreement dated the 11th day of January, 2008, and known as the Edward L. Dunne Trust, Trust Number 101	4	
1N70005	JCB Ventures, LLC	5	



LOCATION MAP
Not to Scale

SHEET 1 OF 5 SHEETS

IDOT USE ONLY
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APR 22 2019
PLATS & LEGALS

USER NAME = RCall	DESIGNED - RG	REVISED -	
	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 2/5/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
PLAT OF HIGHWAYS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	72
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: Z:\18039_20_ISTRI & _30_IRDY\IDOT D1 - PTB 187-006 W020\IL 176-Nish Road\DGN\Design\Preliminl\Plat\sheets\d1760113-sht-POH.dgn

PARTS OF NW 1/4 OF SECTION 19, TWP. 44 N., R. 9 E., OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
1N70001	0.037	0.037		0.00			15-19-180-001
1N70002	0.330	0.330		0.00			15-19-177-074 15-19-177-075 15-19-177-082

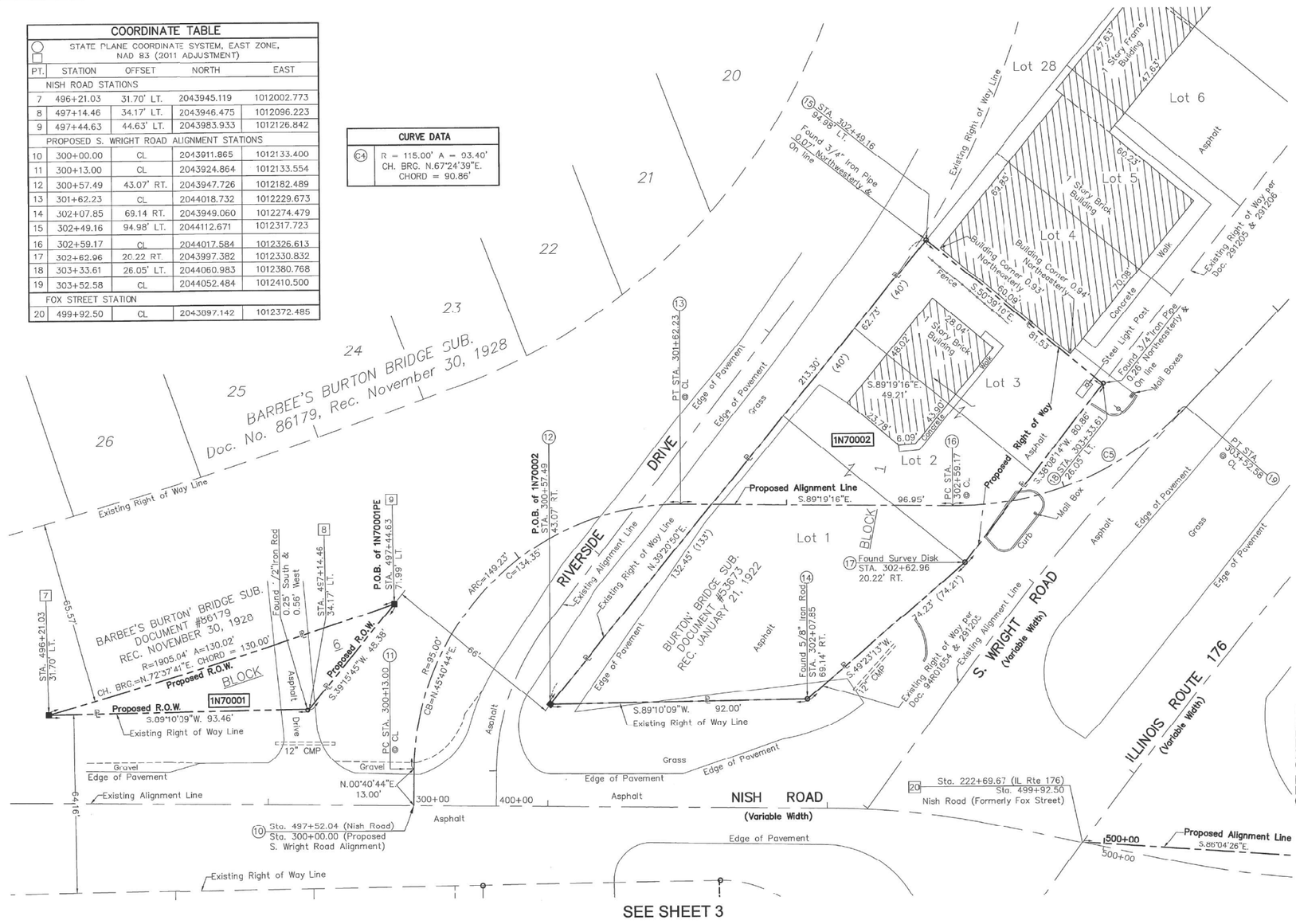
COORDINATE TABLE

STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83 (2011 ADJUSTMENT)

PT.	STATION	OFFSET	NORTH	EAST
	NISH ROAD STATIONS			
7	496+21.03	31.70' LT.	2043945.119	1012002.773
8	497+14.46	34.17' LT.	2043946.475	1012096.223
9	497+44.63	44.63' LT.	2043983.933	1012126.842
	PROPOSED S. WRIGHT ROAD ALIGNMENT STATIONS			
10	300+00.00	CL	2043911.865	1012133.400
11	300+13.00	CL	2043924.864	1012133.554
12	300+57.49	43.07' RT.	2043947.726	1012182.489
13	301+62.23	CL	2044018.732	1012229.673
14	302+07.85	69.14 RT.	2043949.060	1012274.479
15	302+49.16	94.98' LT.	2044112.671	1012317.723
16	302+59.17	CL	2044017.584	1012326.613
17	302+62.96	20.22' RT.	2043997.382	1012330.832
18	303+33.61	26.05' LT.	2044060.983	1012380.768
19	303+52.58	CL	2044052.484	1012410.500
	FOX STREET STATION			
20	499+92.50	CL	2043897.142	1012372.485

CURVE DATA

C4	R = 115.00' A = 93.40' CH. BRG. N.67°24'39"E. CHORD = 90.86'



LEGEND

SECTION CORNER (19 20 30 29) — QUARTER SECTION CORNER (19—20)

N

SECTION / QUARTER SECTION LINE
PLATTED LOT LINES
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
EXISTING CENTERLINE
PROPOSED CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
129.32' MEASURED DIMENSION
129.32' (COMP) COMPUTED DIMENSION
(129.32') RECORDED DIMENSION
EXISTING BUILDING

0 20 40
SCALE: 1" = 20'

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99997590 AREAS SHOWN ON THIS PLAT ARE GROUND. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

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

■ **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. STANDARD 667101-02 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
) SS
COUNTY OF KANE)

THIS IS TO CERTIFY THAT WE, ASM CONSULTANTS, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-6014, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 19, TOWNSHIP 44 NORTH, RANGE 9 EAST 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 BATAVIA, ILLINOIS THIS th DAY OF JANUARY 2019, A.D.

CHARLES S. MARSHALL — STATE OF — NO 035-003377 — BATAVIA — ILLINOIS — PROFESSIONAL LAND SURVEYOR

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003377
LICENSE EXPIRATION DATE: 11/30/2020.

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

ADVANCED SURVEYING & MAPPING — Since 1984

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16 E Wilson St, Batavia IL 60510
Tel (630) 879-0200 Fax (630) 454-3774
advanced@advct.com
Professional Design Firm #184-006014 expires 4/30/2019

ASM PROJECT NO. 777-017

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 176 AT NISH ROAD

SECTION: WILL COUNTY
PROJECT: JOB NO. R-91-011-013
STATION: 300+00.00 TO STATION: 303+52.58
SCALE: 1" = 20' SHEET 2 OF 5

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

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APR 22 2019
PLATS & LEGALS

REVISION DATE: / / REVISION MADE BY: Sheet Number (Title)

USER NAME = RCall	DESIGNED - RG	REVISED -	
	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / In.	CHECKED - JH	REVISED -	
PLOT DATE = 2/5/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
PLAT OF HIGHWAYS

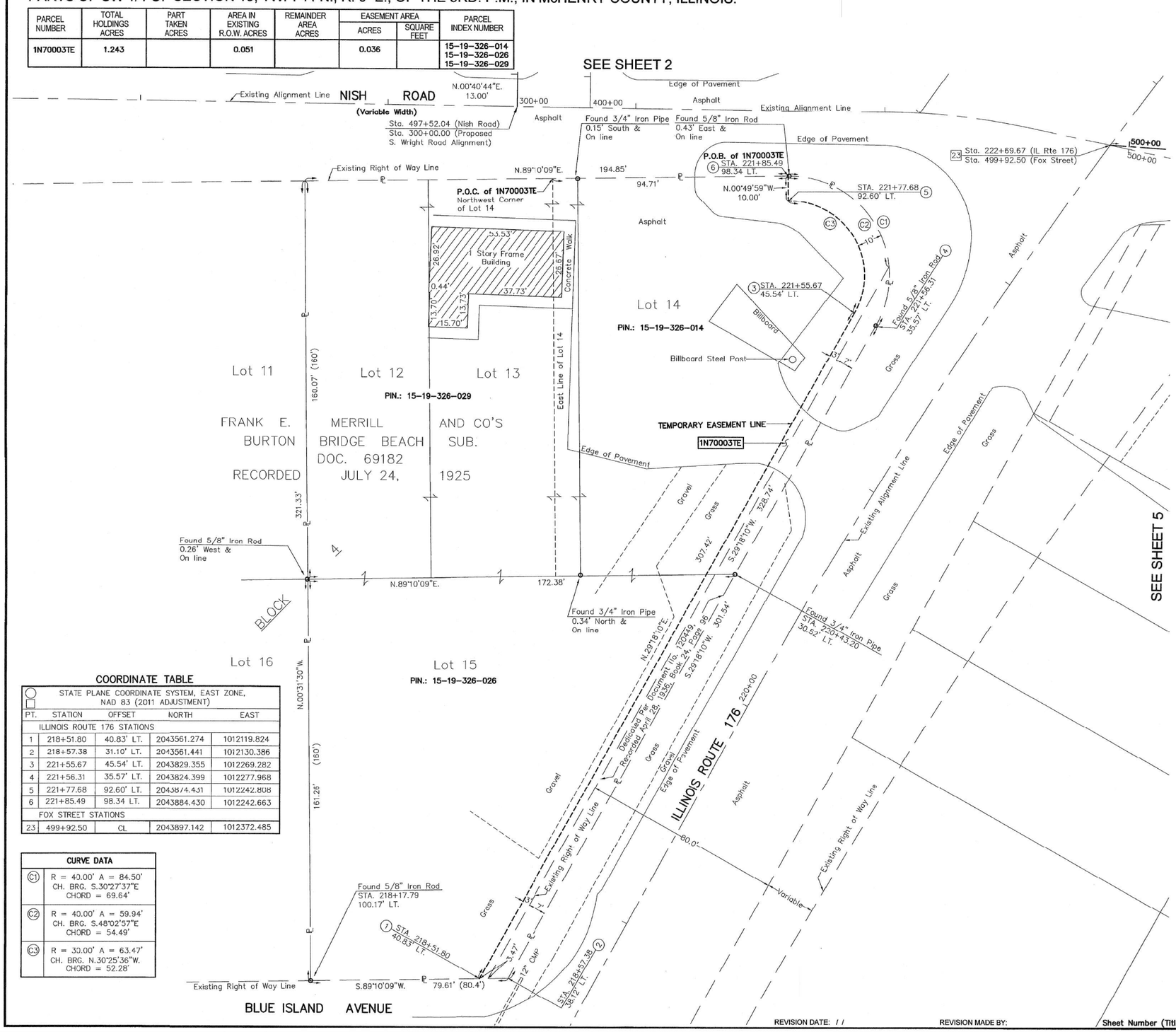
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	73
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: Z:\18039_20 (STR) & _30 (RDY) IDOT D1 PTB 187-006 W020 IL 176-Nish Rd\e\DGN\Design\Preliminl\Plotsheets\D1601T15-sht-POH.dgn

PARTS OF SW 1/4 OF SECTION 19, TWP. 44 N., R. 9 E., OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
1N70003TE	1.243		0.051		0.036		15-19-326-014 15-19-326-026 15-19-326-029



COORDINATE TABLE

STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83 (2011 ADJUSTMENT)

PT.	STATION	OFFSET	NORTH	EAST
	ILLINOIS ROUTE 176 STATIONS			
1	218+51.80	40.83' LT.	2043561.274	1012119.824
2	218+57.38	31.10' LT.	2043561.441	1012130.386
3	221+55.67	45.54' LT.	2043829.355	1012269.282
4	221+56.31	35.57' LT.	2043824.399	1012277.968
5	221+77.68	92.60' LT.	2043874.431	1012242.808
6	221+85.49	98.34 LT.	2043884.430	1012242.663
	FOX STREET STATIONS			
23	499+92.50	CL	2043897.142	1012372.485

CURVE DATA

C1	R = 40.00' A = 84.50' CH. BRG. S.30°27'37"E CHORD = 69.64'
C2	R = 40.00' A = 59.94' CH. BRG. S.48°02'57"E CHORD = 54.49'
C3	R = 30.00' A = 63.47' CH. BRG. N.30°25'36"W. CHORD = 52.28'

LEGEND

SECTION CORNER (19 20 30 29) — QUARTER SECTION CORNER (19 — 20)

N

0 20 40
SCALE: 1" = 20'

	SECTION / QUARTER SECTION LINE
	PLATTED LOT LINES
PL	PROPERTY (DEED) LINE
APL	APPARENT PROPERTY LINE
	EXISTING CENTERLINE
	PROPOSED CENTERLINE
	EXISTING RIGHT OF WAY LINE
	PROPOSED RIGHT OF WAY LINE
	EXISTING EASEMENT
	PROPOSED EASEMENT
AC	EXISTING ACCESS CONTROL LINE
AC	PROPOSED ACCESS CONTROL LINE
129.32'	MEASURED DIMENSION
129.32' (COMP)	COMPUTED DIMENSION
(129.32')	RECORDED DIMENSION
	EXISTING BUILDING

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99997590 AREAS SHOWN ON THIS PLAT ARE GROUND. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

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- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101-02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
) SS
COUNTY OF KANE)

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DATED AT BATAVIA, ILLINOIS THIS th DAY OF JANUARY 2019, A.D.

CHARLES S. MARSHALL — STATE OF — NO 035-003377 — BATAVIA — ILLINOIS — PROFESSIONAL LAND SURVEYOR

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003377
LICENSE EXPIRATION DATE: 11/30/2020.

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ADVANCED SURVEYING & MAPPING — Since 1994

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Tel (630) 879-0200 Fax (630) 454-3774
advanced@advct.com
Professional Design Firm #184-006014 expires 4/30/2019

ASM PROJECT NO. 777-017

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 176 AT NISH ROAD

SECTION: WILL COUNTY
PROJECT: JOB NO. R-91-011-013
STATION: 218+51.80 TO STATION: 222+69.67
SCALE: 1" = 20' SHEET 3 OF 5

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

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PLATS & LEGALS

REVISION DATE: / / REVISION MADE BY: Sheet Number (Title)

USER NAME = RGall	DESIGNED - RG	REVISED -	
	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 2/5/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
PLAT OF HIGHWAYS

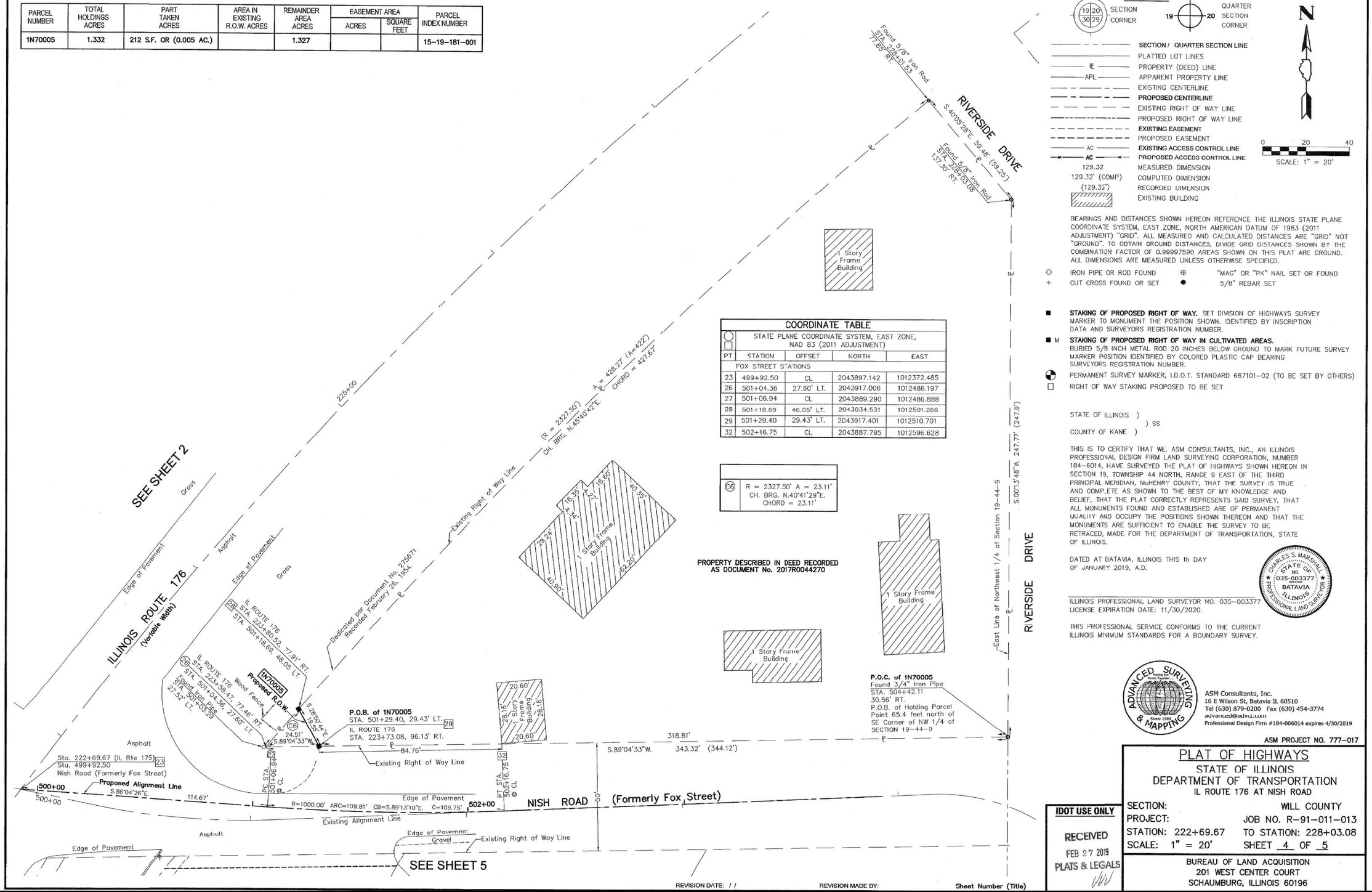
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	74
		CONTRACT NO. 60T15		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: Z:\18039.20 /STRL & .30 IRDY IDOT D1 PTB 187-006 W020 IL 176-Nish Rosd\DGN\Design\Preliminl\Plats\sheets\d1601T3-sht-PGH.dgn

PARTS OF NW 1/4 OF SECTION 19, TWP. 44 N., R. 9 E., OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
1N70005	1.332	212 S.F. OR (0.005 AC.)		1.327			15-19-181-001



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- 129.32 MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

N

0 20 40
SCALE: 1" = 20'

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99997590 AREAS SHOWN ON THIS PLAT ARE GROUND. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

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- \+ CUT CROSS FOUND OR SET
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- ■ 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. STANDARD 667101-02 (TO BE SET BY OTHERS)
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STATE OF ILLINOIS)
) SS
COUNTY OF KANE)

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DATED AT BATAVIA, ILLINOIS THIS th DAY OF JANUARY 2019, A.D.

CHARLES S. MARSHALL STATE OF ILLINOIS NO. 035-003377 BATAVIA ILLINOIS PROFESSIONAL LAND SURVEYOR

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003377
LICENSE EXPIRATION DATE: 11/30/2020.

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ASM PROJECT NO. 777-017

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 176 AT NISH ROAD

SECTION: WILL COUNTY
PROJECT: JOB NO. R-91-011-013
STATION: 222+69.67 TO STATION: 228+03.08
SCALE: 1" = 20' SHEET 4 OF 5

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

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REVISION DATE: / / REVISION MADE BY: Sheet Number (Title)

USER NAME = RCall	DESIGNED - RG	REVISED -
	DRAWN - CS	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -
PLOT DATE = 2/5/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
PLAT OF HIGHWAYS

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

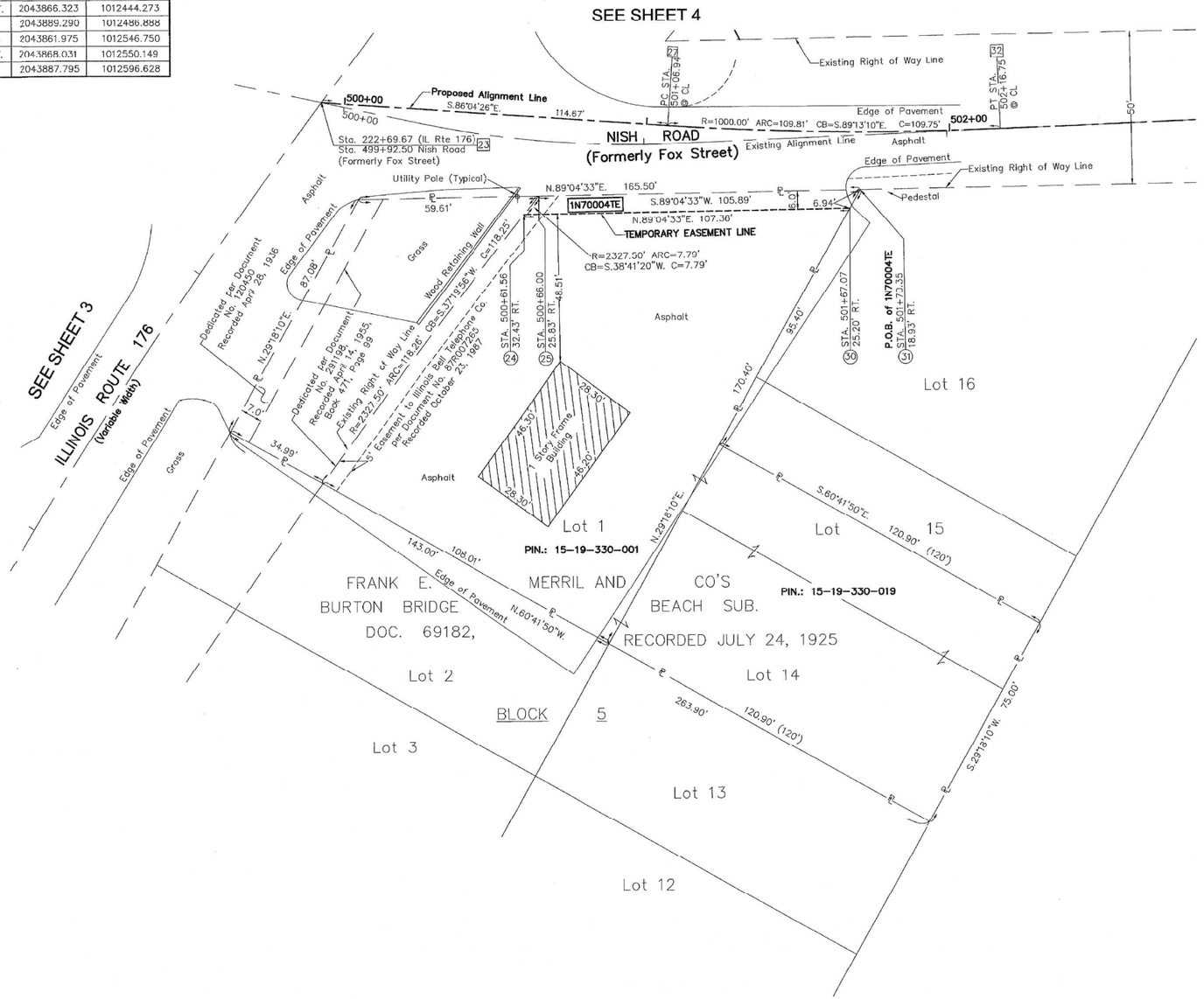
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	75
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: 22\18039.20 (STH. & .30 (RDY) IDOT D1 PTB 187-006 W020 IL 176-Nish Road\DGN\Design\Prelim\Plats\sheets\D160T13-ont-PGM.dgn

PARTS OF SW 1/4 OF SECTION 19, TWP. 44 N., R. 9 E., OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
1N70004TE	0.631		0.097		0.015		15-19-330-001 15-19-330-019

COORDINATE TABLE				
○ □	STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83 (2011 ADJUSTMENT)			
PT.	STATION	OFFSET	NORTH	EAST
FOX STREET STATIONS				
23	499+92.50	CL	2043897.142	1012372.485
24	500+61.56	32.23' RT.	2043860.244	1012439.404
25	500+66.00	25.83' RT.	2043866.323	1012444.273
27	501+06.94	CL	2043889.290	1012486.888
30	501+67.07	25.00 RT.	2043861.975	1012546.750
31	501+70.35	18.93' RT.	2043868.031	1012550.149
32	502+16.75	CL	2043887.795	1012596.628



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- 120.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

N

0 20 40
SCALE: 1" = 20'

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99997590 AREAS SHOWN ON THIS PLAT ARE GROUND. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

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

■ **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. STANDARD 667101-02 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
) SS
COUNTY OF KANE)

THIS IS TO CERTIFY THAT WE, ASM CONSULTANTS, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184 6014, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 19, TOWNSHIP 44 NORTH, RANGE 9 EAST 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 BATAVIA, ILLINOIS THIS th DAY OF JANUARY 2019, A.D.

CHARLES S. MARSHALL STATE OF ILLINOIS NO. 035-003377 BATAVIA ILLINOIS PROFESSIONAL LAND SURVEYOR

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003377
LICENSE EXPIRATION DATE: 11/30/2020.

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

ADVANCED SURVEYING & MAPPING Since 1994

ASM Consultants, Inc.
16 E Wilson St, Batavia IL 60510
Tel (630) 879-0200 Fax (630) 454-3774
advanced@advct.com
Professional Design Firm #184-006014 expires 4/30/2019

ASM PROJECT NO. 777-017

IDOT USE ONLY
RECEIVED
FEB 27 2019
PLATS & LEGALS

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 176 AT NISH ROAD

SECTION: WILL COUNTY
PROJECT: JOB NO. R-91-011-013
STATION: 499+92.50 TO STATION: 502+16.75
SCALE: 1" = 20' SHEET 5 OF 5

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

REVISION DATE: / / REVISION MADE BY: Sheet Number (Title)

USER NAME = RCall	DESIGNED - RG	REVISED -	
	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 2/5/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
PLAT OF HIGHWAYS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	76
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: Z:\18039_20 (STRI & _30 (ROY) IDOT D1 - PTB 187-006 WO20 IL 176-Nish Road\DGN\Design\Preliminl\Plats\sheets\d1760T15-sht-PQH.dgn

N

0 20 40 60

SCALE IN FEET

RIVERSIDE DR

WRIGHT RD

NISH RD

IL 176

EX ROW

PR ROW

PR TE

CE HMA

PE HMA

MATCHLINE STA 303+75.00

MATCHLINE STA 224+50.00

MATCHLINE STA 496+50.00

MATCHLINE STA 221+25.00

400+83.99
6.15' LT
EL. (741.39)

400+83.99
11.10' LT

400+83.99
5.85' RT
EL. (741.59)

400+74.19
9.54' LT
EL. 741.22

400+83.99
10.71' RT

400+21.98
10.00' LT
EL. 740.90

400+56.43
10.00' RT
EL. 741.11

400+36.28
10.00' RT
EL. 740.99

303+52.58
12.00' LT
EL. 743.39

303+52.58
12.00' RT
EL. 743.39

302+02.57
12.00' LT
EL. 741.38

302+59.17
12.00' LT
EL. 742.35

302+59.17
12.00' RT
EL. 742.35

301+52.73
12.39' LT
EL. 741.04

301+70.49
12.00' RT
EL. 741.09

301+08.61
17.35' RT
EL. 741.29

301+80.49
16.00' RT

301+70.49
20.00' RT

300+92.97
14.00' LT
EL. 741.53

300+50.51
14.00' LT
EL. 742.17

MH-023
RIM 743.18

224+04.91
18.00' RT
EL. 742.52

CB-035
RIM 742.18

224+04.91
26.00' RT
EL. 742.16

CB-043
RIM 742.14

223+06.96
36.48' LT
EL. 743.17

223+39.24
30.00' LT
EL. 743.47

223+39.24
18.00' LT
EL. 743.89

223+02.36
38.58' LT
EL. 743.18

223+56.84
42.91' RT
EL. 741.80

223+51.67
36.72' RT
EL. 741.99

499+55.52
35.00' LT
EL. 743.23

497+97.47
34.59' LT
EL. 741.74

497+28.10
30.81' LT
EL. 742.54

223+36.35
18.08' RT
EL. 742.49

222+99.43
18.00' LT
EL. 744.01

500+82.81
31.33' LT
EL. 741.67

CB-017
RIM 741.44

501+06.29
20.00' LT
EL. 741.48

501+17.11
16.00' LT

500+76.26
26.71' LT
EL. 741.70

502+16.73
12.00' LT
EL. 741.19

502+41.69
9.97' LT
EL. (740.92)

499+65.57
18.00' LT
EL. 743.93

499+08.83
36.06' RT
EL. 743.22

499+35.24
18.00' RT
EL. 743.37

500+57.30
12.00' LT
EL. 741.80

501+06.94
12.00' LT
EL. 741.80

501+06.94
12.00' RT
EL. 741.80

500+78.79
12.00' RT
EL. 741.70

222+66.44
17.98' RT
EL. 743.04

222+48.30
27.04' RT
EL. 743.03

222+60.93
18.00' LT
EL. 744.50

222+12.64
18.00' LT
EL. 745.12

222+11.48
18.00' RT
EL. 743.74

221+92.71
40.15' LT
EL. 744.19

221+78.91
31.98' LT
EL. 744.92

221+85.45
54.97' RT

221+58.44
45.81' RT

221+53.68
54.66' RT

CB-016
RIM 741.70

CB-042
RIM 744.12

CB-013
RIM-743.14

MH-012
RIM 742.08

MH-010
RIM 742.54

MH-008
RIM 743.67

496+91.04
18.00' LT
EL. 743.50

497+38.16
18.00' LT
EL. 743.01

497+69.64
18.00' LT
EL. 742.71

498+26.67
18.00' LT
EL. 742.30

498+97.75
18.00' LT
EL. 742.14

498+74.58
18.00' RT
EL. 742.08

502+16.75
12.00' RT
EL. 741.19

502+41.86
9.87' RT
EL. (740.86)

END NISH RD IMPROVEMENT
STA. 502 + 41.77

LEGEND:

XXX.XX	PROPOSED ELEVATION
(XXX.XX)	EXISTING ELEVATION
	PROPOSED WIDENING

NOTES:

1. SEE ADA CURB RAMP DETAILS FOR LOCATIONS AND DETAILS AT PROPOSED CURB RAMPS.
2. SEE DRAINAGE SCHEDULE AND PLANS FOR ADDITIONAL DETAILS AND LOCATIONS OF PIPES AND STRUCTURES.

MODEL: Default
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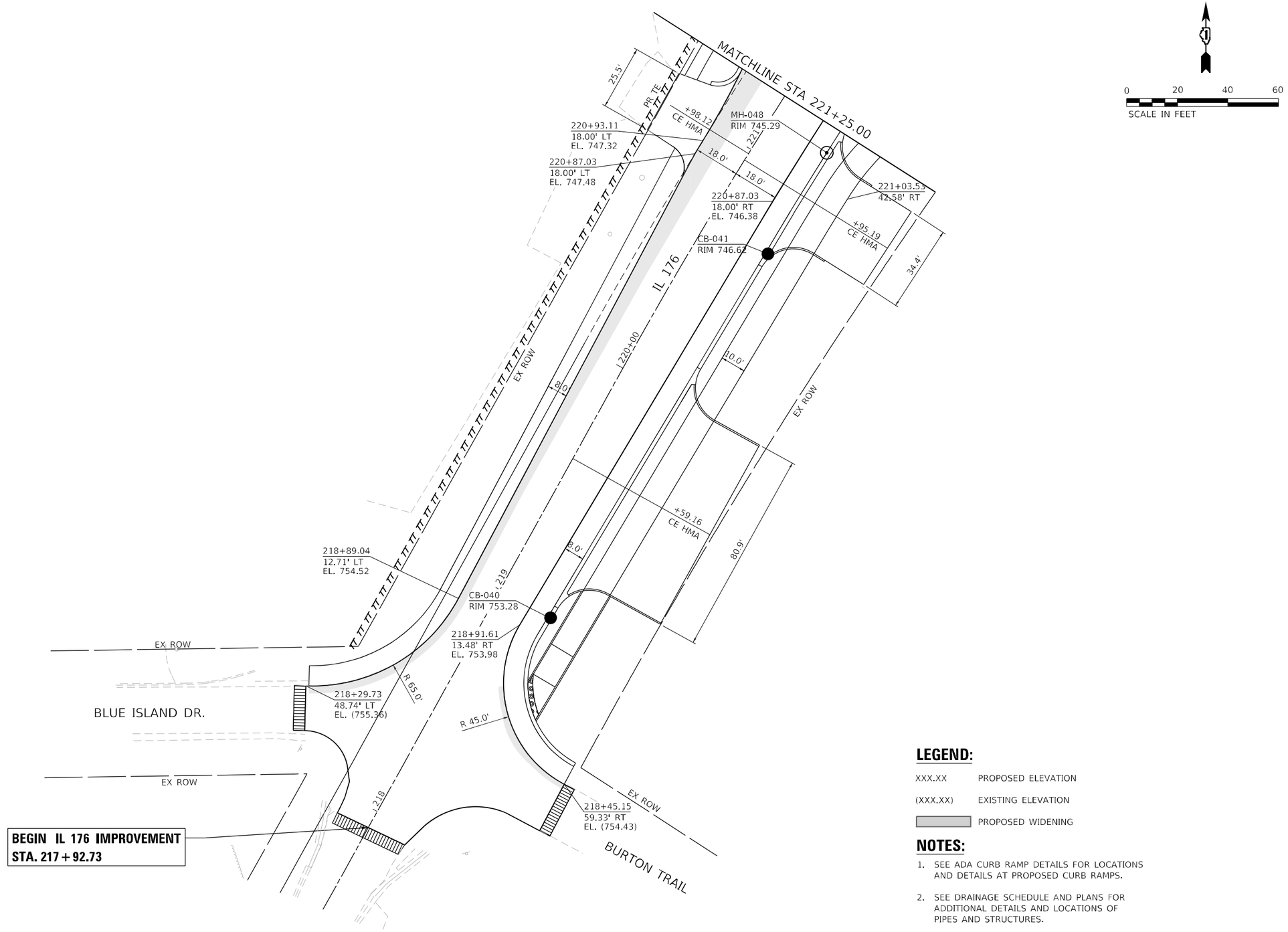
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PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/5/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
INTERSECTION DETAILS & ELEVATION

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	77
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		



LEGEND:

XXX.XX	PROPOSED ELEVATION
(XXX.XX)	EXISTING ELEVATION
	PROPOSED WIDENING

NOTES:

1. SEE ADA CURB RAMP DETAILS FOR LOCATIONS AND DETAILS AT PROPOSED CURB RAMPS.
2. SEE DRAINAGE SCHEDULE AND PLANS FOR ADDITIONAL DETAILS AND LOCATIONS OF PIPES AND STRUCTURES.

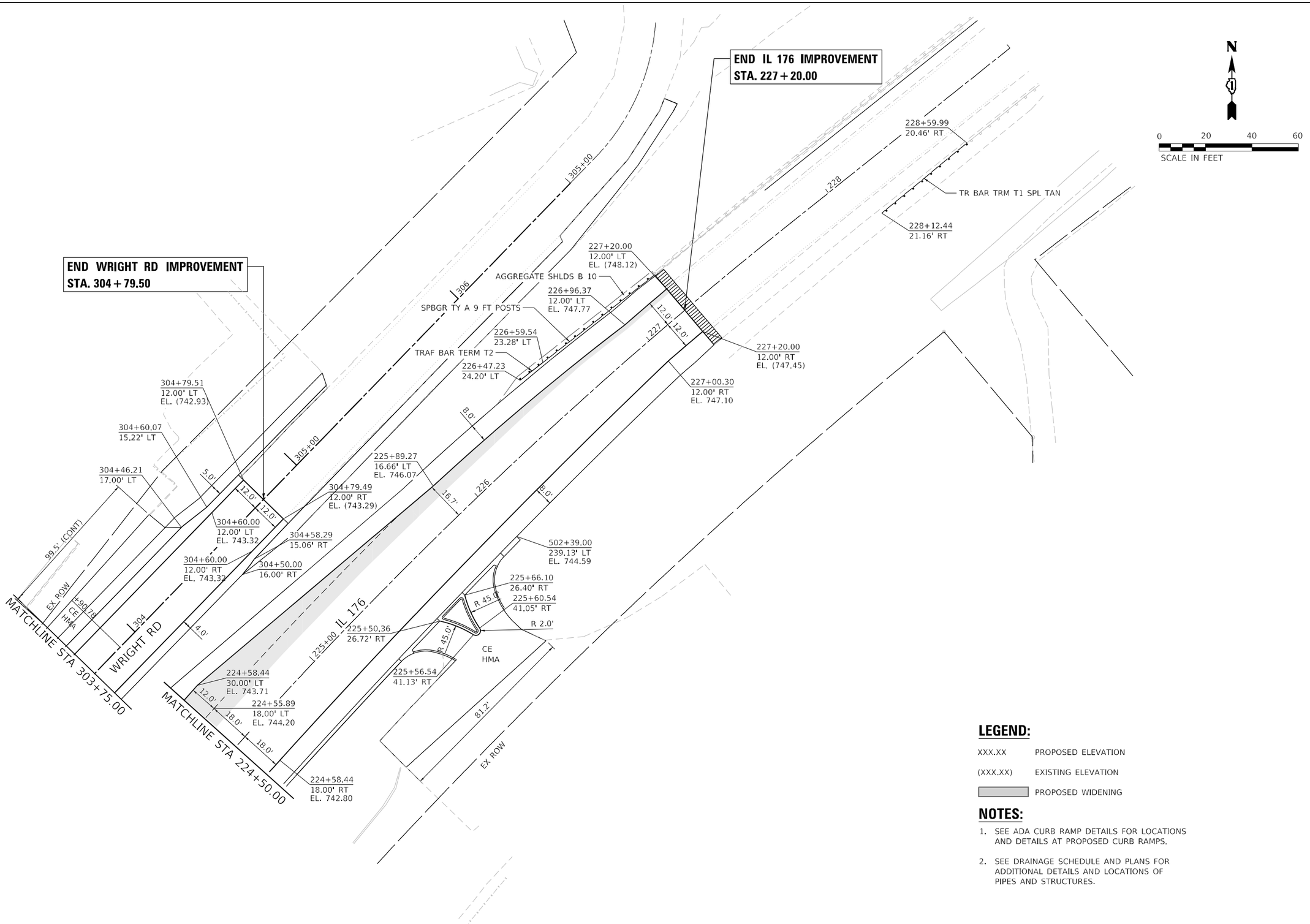
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	DRAWN -	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 2/5/2021	DATE -	REVISED -	

IL 176 AT NISH RD
INTERSECTION DETAILS & ELEVATION

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	78
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		



LEGEND:

XXX.XX	PROPOSED ELEVATION
(XXX.XX)	EXISTING ELEVATION
	PROPOSED WIDENING

NOTES:

1. SEE ADA CURB RAMP DETAILS FOR LOCATIONS AND DETAILS AT PROPOSED CURB RAMPS.
2. SEE DRAINAGE SCHEDULE AND PLANS FOR ADDITIONAL DETAILS AND LOCATIONS OF PIPES AND STRUCTURES.

USER NAME = RCall	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 2/5/2021	DATE -	REVISED -

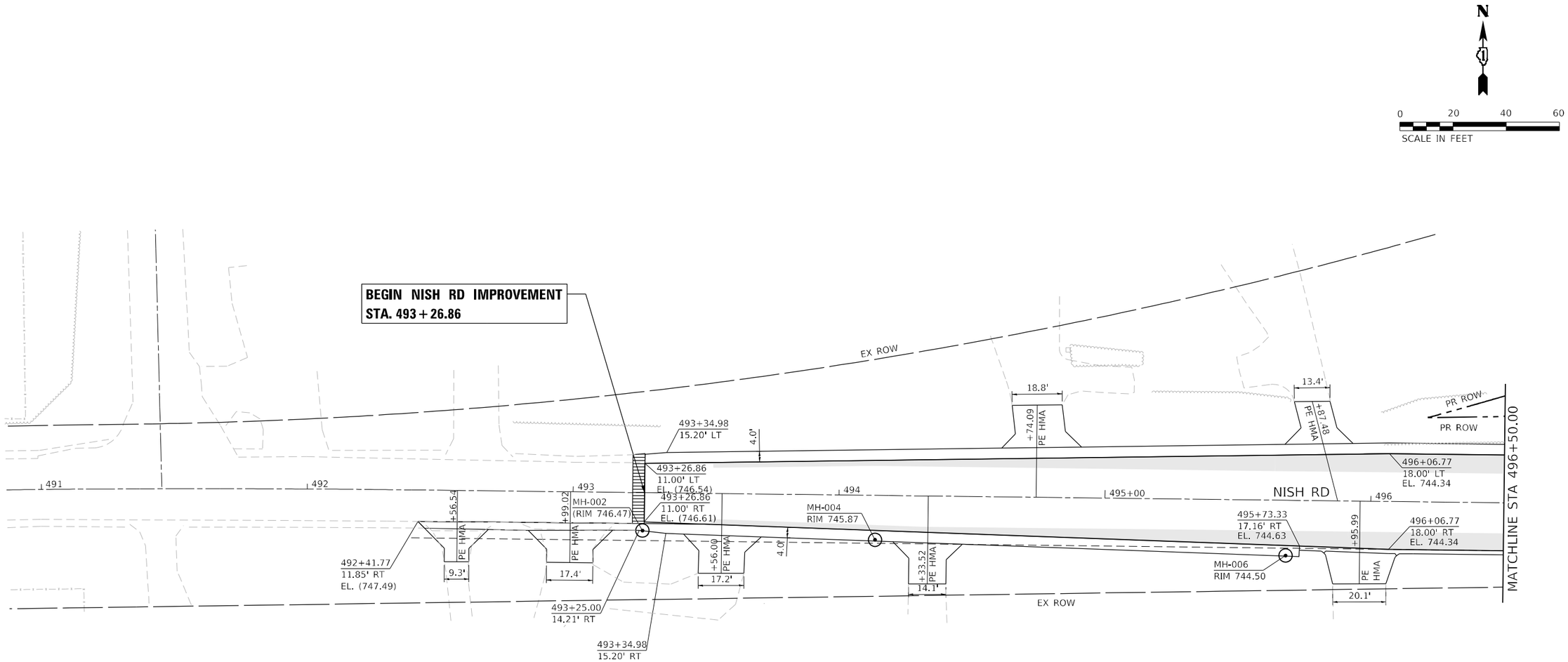
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
INTERSECTION DETAILS & ELEVATION

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	79
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
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LEGEND:

XXX.XX	PROPOSED ELEVATION
(XXX.XX)	EXISTING ELEVATION
	PROPOSED WIDENING

NOTES:

1. SEE ADA CURB RAMP DETAILS FOR LOCATIONS AND DETAILS AT PROPOSED CURB RAMPS.
2. SEE DRAINAGE SCHEDULE AND PLANS FOR ADDITIONAL DETAILS AND LOCATIONS OF PIPES AND STRUCTURES.

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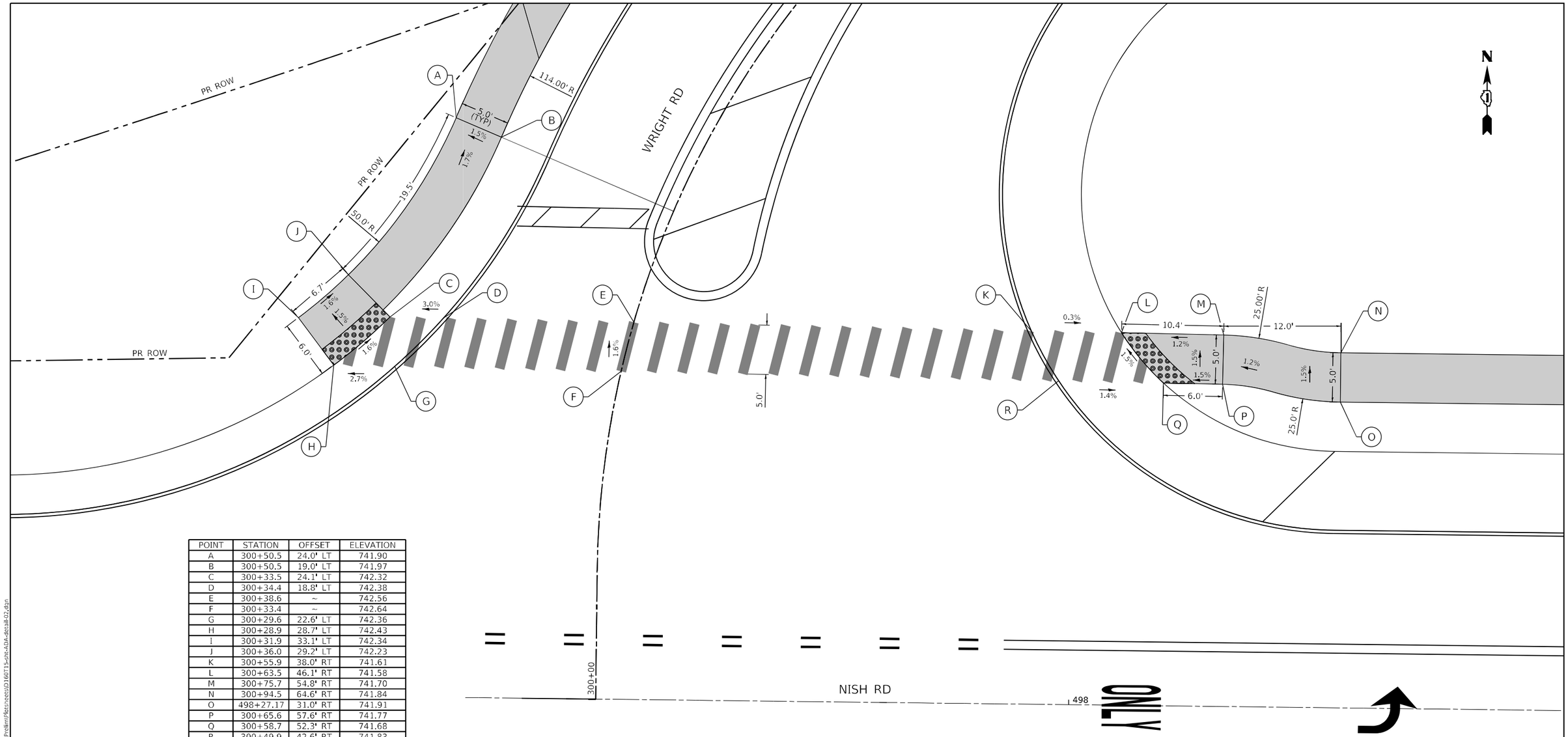
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PLOT DATE = 2/5/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
INTERSECTION DETAILS & ELEVATION

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	80
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		



POINT	STATION	OFFSET	ELEVATION
A	300+50.5	24.0' LT	741.90
B	300+50.5	19.0' LT	741.97
C	300+33.5	24.1' LT	742.32
D	300+34.4	18.8' LT	742.38
E	300+38.6	~	742.56
F	300+33.4	~	742.64
G	300+29.6	22.6' LT	742.36
H	300+28.9	28.7' LT	742.43
I	300+31.9	33.1' LT	742.34
J	300+36.0	29.2' LT	742.23
K	300+55.9	38.0' RT	741.61
L	300+63.5	46.1' RT	741.58
M	300+75.7	54.8' RT	741.70
N	300+94.5	64.6' RT	741.84
O	498+27.17	31.0' RT	741.91
P	300+65.6	57.6' RT	741.77
Q	300+58.7	52.3' RT	741.68
R	300+49.9	42.6' RT	741.83

NOTES:

1. AT DEPRESSED CURBS, ADJACENT TO CURB RAMPS ACCESSIBLE TO THE DISABLED, THE GUTTER FLAG SLOPE SHALL BE -5% UNLESS NOTED OTHERWISE.

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER

USER NAME = JBerggren	DESIGNED - RG	REVISED -
	DRAWN - CS	REVISED -
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PLOT DATE = 4/29/2021	DATE -	REVISED -

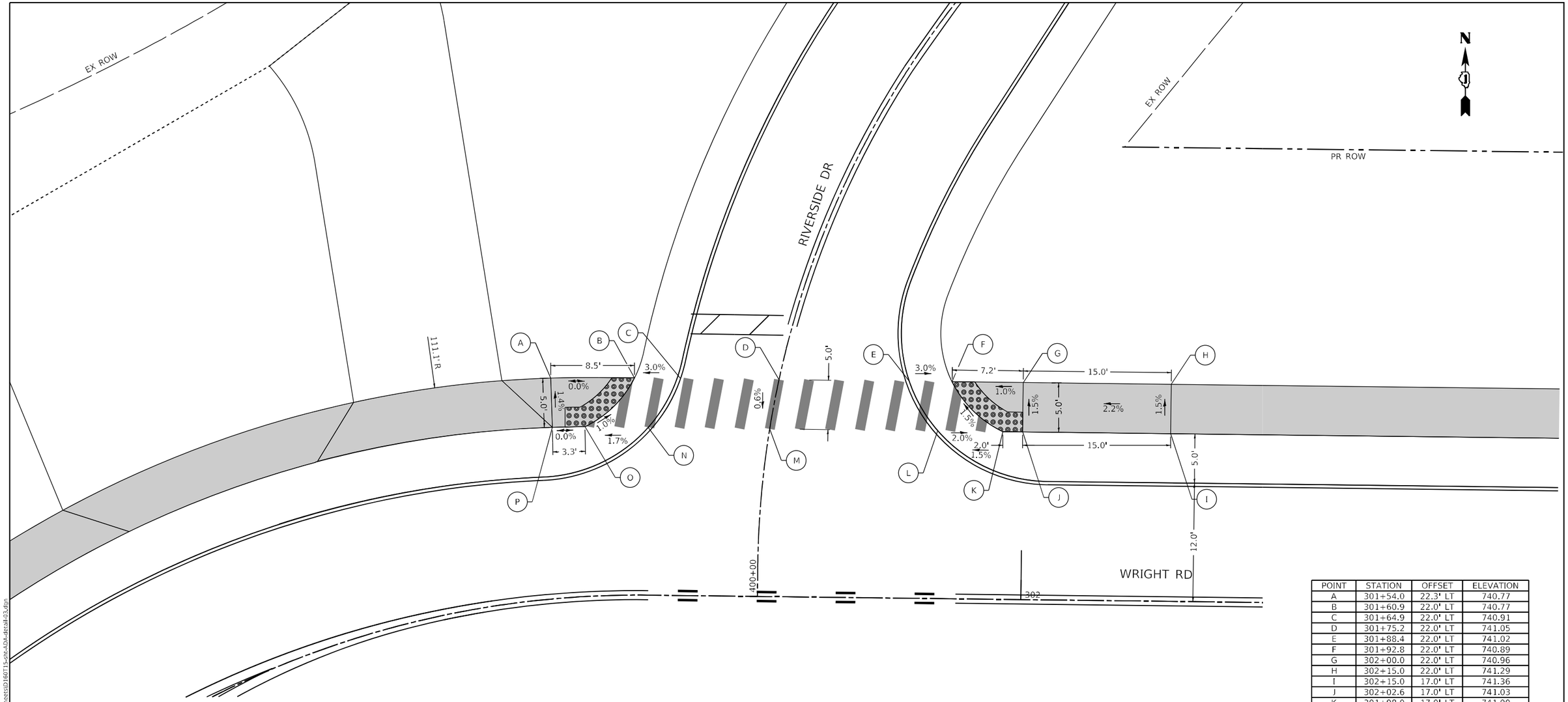
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
ADA DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	81
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: Z:\18039.20 (STFI & _39 (RDY) IDOT D1 PTB 187-006 WO20 IL 176-Nish Rd\cIDGN\Design\Preliem\Plansheets\D160T15-sht-ADA-detail-02.dgn



POINT	STATION	OFFSET	ELEVATION
A	301+54.0	22.3' LT	740.77
B	301+60.9	22.0' LT	740.77
C	301+64.9	22.0' LT	740.91
D	301+75.2	22.0' LT	741.05
E	301+88.4	22.0' LT	741.02
F	301+92.8	22.0' LT	740.89
G	302+00.0	22.0' LT	740.96
H	302+15.0	22.0' LT	741.29
I	302+15.0	17.0' LT	741.36
J	302+02.6	17.0' LT	741.03
K	301+98.0	17.0' LT	741.00
L	301+91.4	17.0' LT	741.13
M	301+74.3	17.0' LT	741.02
N	301+62.1	17.0' LT	740.95
O	301+56.6	17.2' LT	740.84
P	301+53.8	17.3' LT	740.84

NOTES:

1. AT DEPRESSED CURBS, ADJACENT TO CURB RAMPS ACCESSIBLE TO THE DISABLED, THE GUTTER FLAG SLOPE SHALL BE -5% UNLESS NOTED OTHERWISE.

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER

USER NAME = JBerggren	DESIGNED - RG	REVISED -
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PLOT DATE = 4/29/2021	DATE -	REVISED -

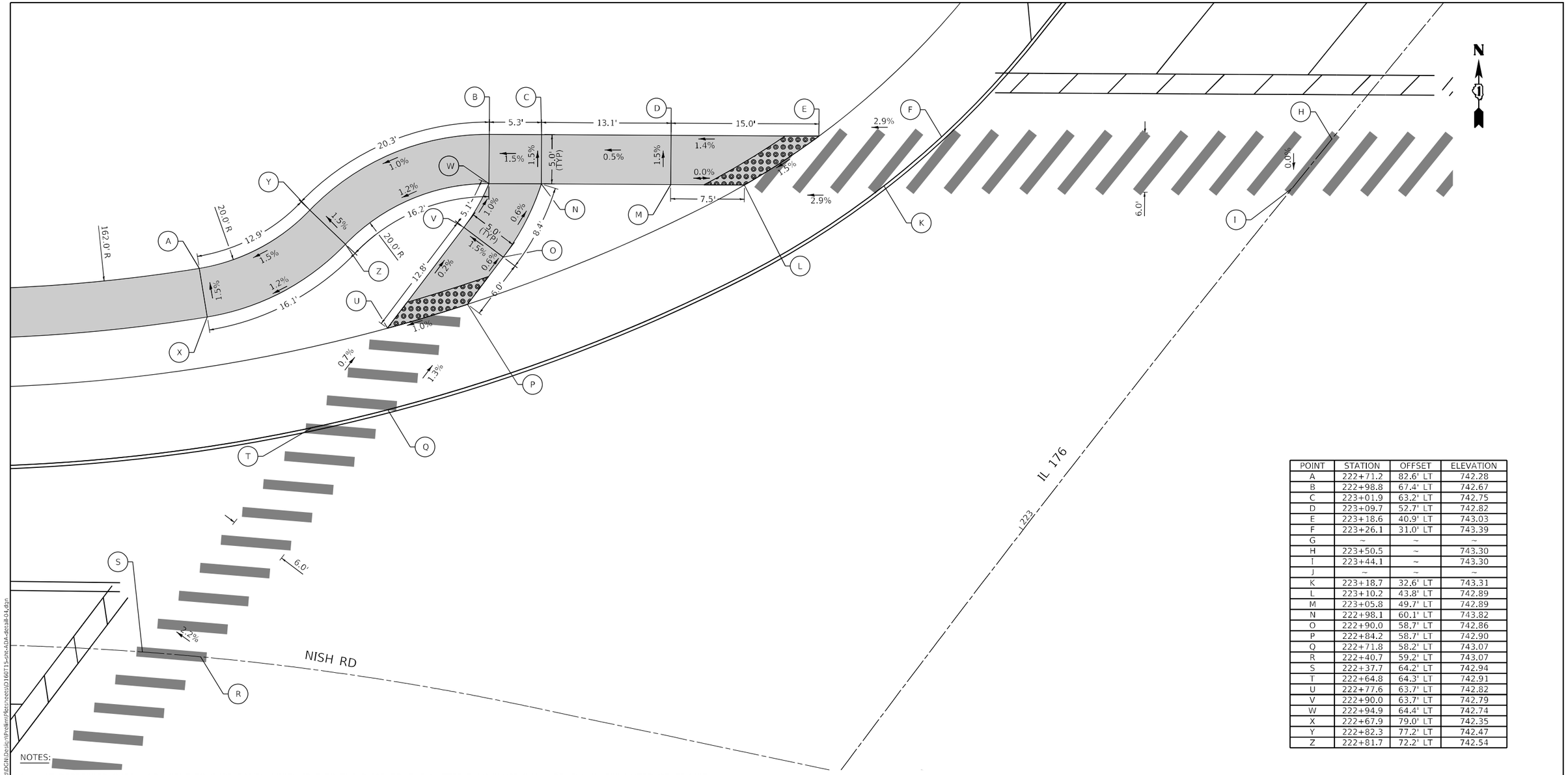
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
ADA DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	82
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: Z:\18039.20 (STR) & .30 (RDY) IDOT D1 PTB 187-006 W020 IL 176-Nish Road\DGN\Design\Preliminplans\sheets\D160T15-cht-ADA-detail03.dgn



POINT	STATION	OFFSET	ELEVATION
A	222+71.2	82.6' LT	742.28
B	222+98.8	67.4' LT	742.67
C	223+01.9	63.2' LT	742.75
D	223+09.7	52.7' LT	742.82
E	223+18.6	40.9' LT	743.03
F	223+26.1	31.0' LT	743.39
G	~	~	~
H	223+50.5	~	743.30
I	223+44.1	~	743.30
J	~	~	~
K	223+18.7	32.6' LT	743.31
L	223+10.2	43.8' LT	742.89
M	223+05.8	49.7' LT	742.89
N	222+98.1	60.1' LT	743.82
O	222+90.0	58.7' LT	742.86
P	222+84.2	58.7' LT	742.90
Q	222+71.8	58.2' LT	743.07
R	222+40.7	59.2' LT	743.07
S	222+37.7	64.2' LT	742.94
T	222+64.8	64.3' LT	742.91
U	222+77.6	63.7' LT	742.82
V	222+90.0	63.7' LT	742.79
W	222+94.9	64.4' LT	742.74
X	222+67.9	79.0' LT	742.35
Y	222+82.3	77.2' LT	742.47
Z	222+81.7	72.2' LT	742.54

NOTES:

1. AT DEPRESSED CURBS, ADJACENT TO CURB RAMPS ACCESSIBLE TO THE DISABLED, THE GUTTER FLAG SLOPE SHALL BE -5% UNLESS NOTED OTHERWISE.

LEGEND

- XX.XX' — EXISTING LENGTH
- ( ) — EXISTING ELEVATION / SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER

MODEL: Default
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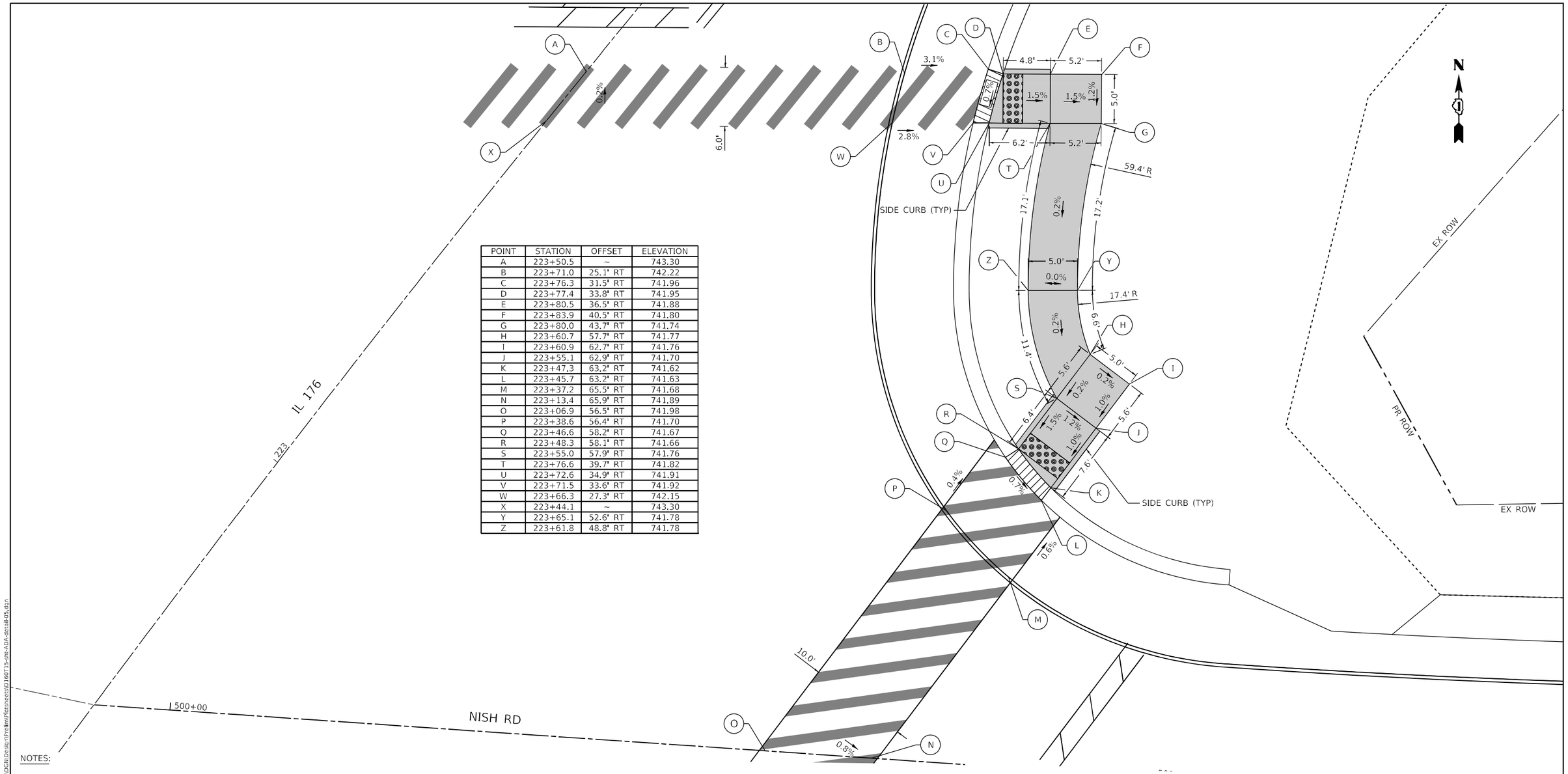
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PLOT DATE = 2/5/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
ADA DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	83
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			



POINT	STATION	OFFSET	ELEVATION
A	223+50.5	~	743.30
B	223+71.0	25.1' RT	742.22
C	223+76.3	31.5' RT	741.96
D	223+77.4	33.8' RT	741.95
E	223+80.5	36.5' RT	741.88
F	223+83.9	40.5' RT	741.80
G	223+80.0	43.7' RT	741.74
H	223+60.7	57.7' RT	741.77
I	223+60.9	62.7' RT	741.76
J	223+55.1	62.9' RT	741.70
K	223+47.3	63.2' RT	741.62
L	223+45.7	63.2' RT	741.63
M	223+37.2	65.5' RT	741.68
N	223+13.4	65.9' RT	741.89
O	223+06.9	56.5' RT	741.98
P	223+38.6	56.4' RT	741.70
Q	223+46.6	58.2' RT	741.67
R	223+48.3	58.1' RT	741.66
S	223+55.0	57.9' RT	741.76
T	223+76.6	39.7' RT	741.82
U	223+72.6	34.9' RT	741.91
V	223+71.5	33.6' RT	741.92
W	223+66.3	27.3' RT	742.15
X	223+44.1	~	743.30
Y	223+65.1	52.6' RT	741.78
Z	223+61.8	48.8' RT	741.78

NOTES:

1. AT DEPRESSED CURBS, ADJACENT TO CURB RAMPS ACCESSIBLE TO THE DISABLED, THE GUTTER FLAG SLOPE SHALL BE -5% UNLESS NOTED OTHERWISE.

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER

MODEL: Default
FILE NAME: 21118039.20 (STH) & 30 (RDY) IDOT D1 PTB 187-006 W020 IL 176-Nish Road\DGN\Design\Prelim\Plots\sheets\D160715-sht-ADA-detail-05.dgn

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PLOT DATE = 4/29/2021	DATE -	REVISED -	

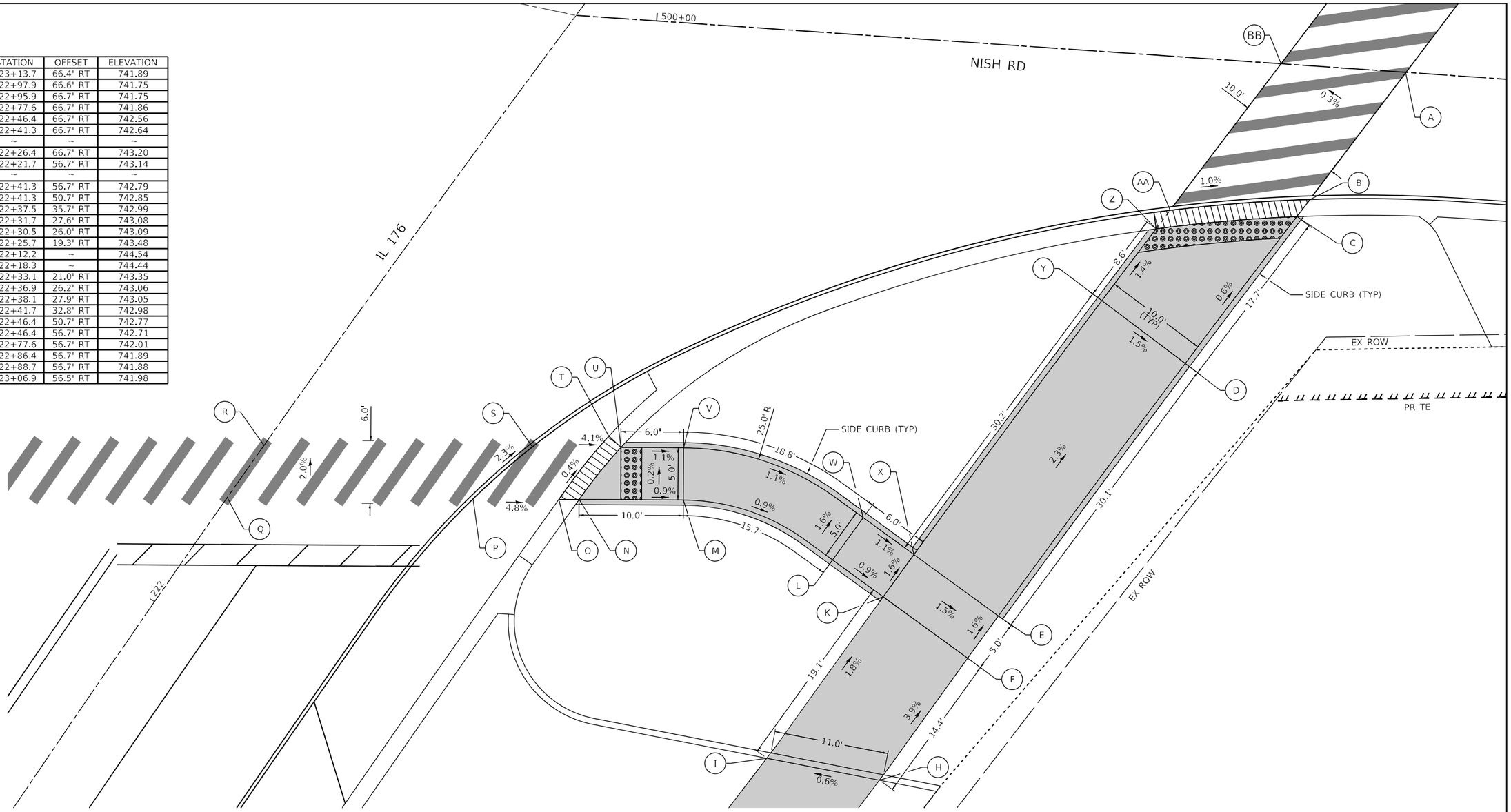
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
ADA DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	84
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

POINT	STATION	OFFSET	ELEVATION
A	223+13.7	66.4' RT	741.89
B	222+97.9	66.6' RT	741.75
C	222+95.9	66.7' RT	741.75
D	222+77.6	66.7' RT	741.86
E	222+46.4	66.7' RT	742.56
F	222+41.3	66.7' RT	742.64
G	~	~	~
H	222+26.4	66.7' RT	743.20
I	222+21.7	56.7' RT	743.14
J	~	~	~
K	222+41.3	56.7' RT	742.79
L	222+41.3	50.7' RT	742.85
M	222+37.5	35.7' RT	742.99
N	222+31.7	27.6' RT	743.08
O	222+30.5	26.0' RT	743.09
P	222+25.7	19.3' RT	743.48
Q	222+12.2	~	744.54
R	222+18.3	~	744.44
S	222+33.1	21.0' RT	743.35
T	222+36.9	26.2' RT	743.06
U	222+38.1	27.9' RT	743.05
V	222+41.7	32.8' RT	742.98
W	222+46.4	50.7' RT	742.77
X	222+46.4	56.7' RT	742.71
Y	222+77.6	56.7' RT	742.01
Z	222+86.4	56.7' RT	741.89
AA	222+88.7	56.7' RT	741.88
BB	223+06.9	56.5' RT	741.98



NOTES:

1. AT DEPRESSED CURBS, ADJACENT TO CURB RAMPS ACCESSIBLE TO THE DISABLED, THE GUTTER FLAG SLOPE SHALL BE -5% UNLESS NOTED OTHERWISE.

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER

MODEL: Default
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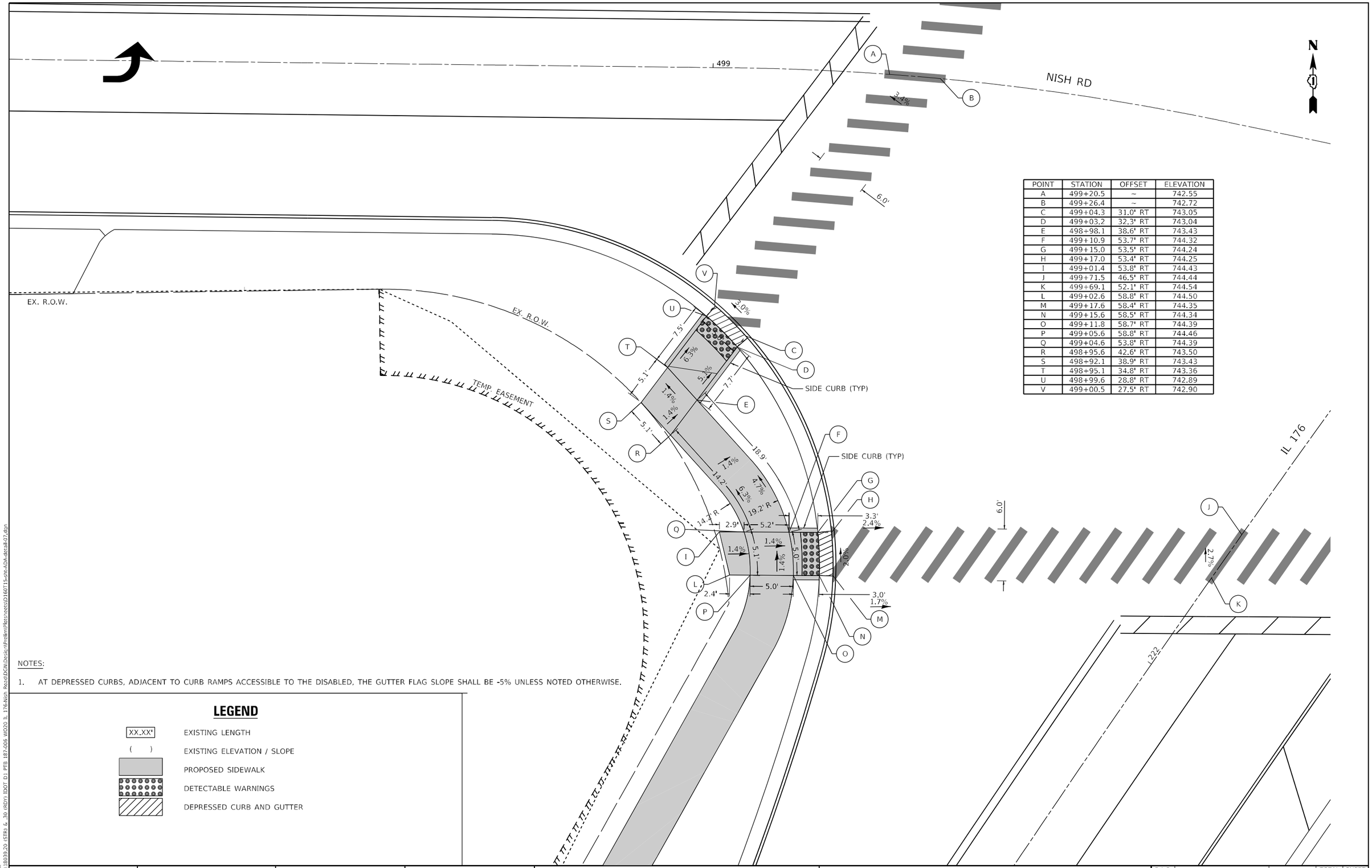
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PLOT DATE = 4/29/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
ADA DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	85
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		



POINT	STATION	OFFSET	ELEVATION
A	499+20.5	~	742.55
B	499+26.4	~	742.72
C	499+04.3	31.0' RT	743.05
D	499+03.2	32.3' RT	743.04
E	498+98.1	38.6' RT	743.43
F	499+10.9	53.7' RT	744.32
G	499+15.0	53.5' RT	744.24
H	499+17.0	53.4' RT	744.25
I	499+01.4	53.8' RT	744.43
J	499+71.5	46.5' RT	744.44
K	499+69.1	52.1' RT	744.54
L	499+02.6	58.8' RT	744.50
M	499+17.6	58.4' RT	744.35
N	499+15.6	58.5' RT	744.34
O	499+11.8	58.7' RT	744.39
P	499+05.6	58.8' RT	744.46
Q	499+04.6	53.8' RT	744.39
R	498+95.6	42.6' RT	743.50
S	498+92.1	38.9' RT	743.43
T	498+95.1	34.8' RT	743.36
U	498+99.6	28.8' RT	742.89
V	499+00.5	27.5' RT	742.90

NOTES:

1. AT DEPRESSED CURBS, ADJACENT TO CURB RAMPS ACCESSIBLE TO THE DISABLED, THE GUTTER FLAG SLOPE SHALL BE -5% UNLESS NOTED OTHERWISE.

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER

MODEL: Default
FILE NAME: Z:\18039.20 (STP) & 30 (RDY) IDOT D1 PTB 187-006 WO20 IL 176-Nish Rd\ODOT\Design\Preliminary\Plansheets\D160715-sht-ADA-detail-07.dgn

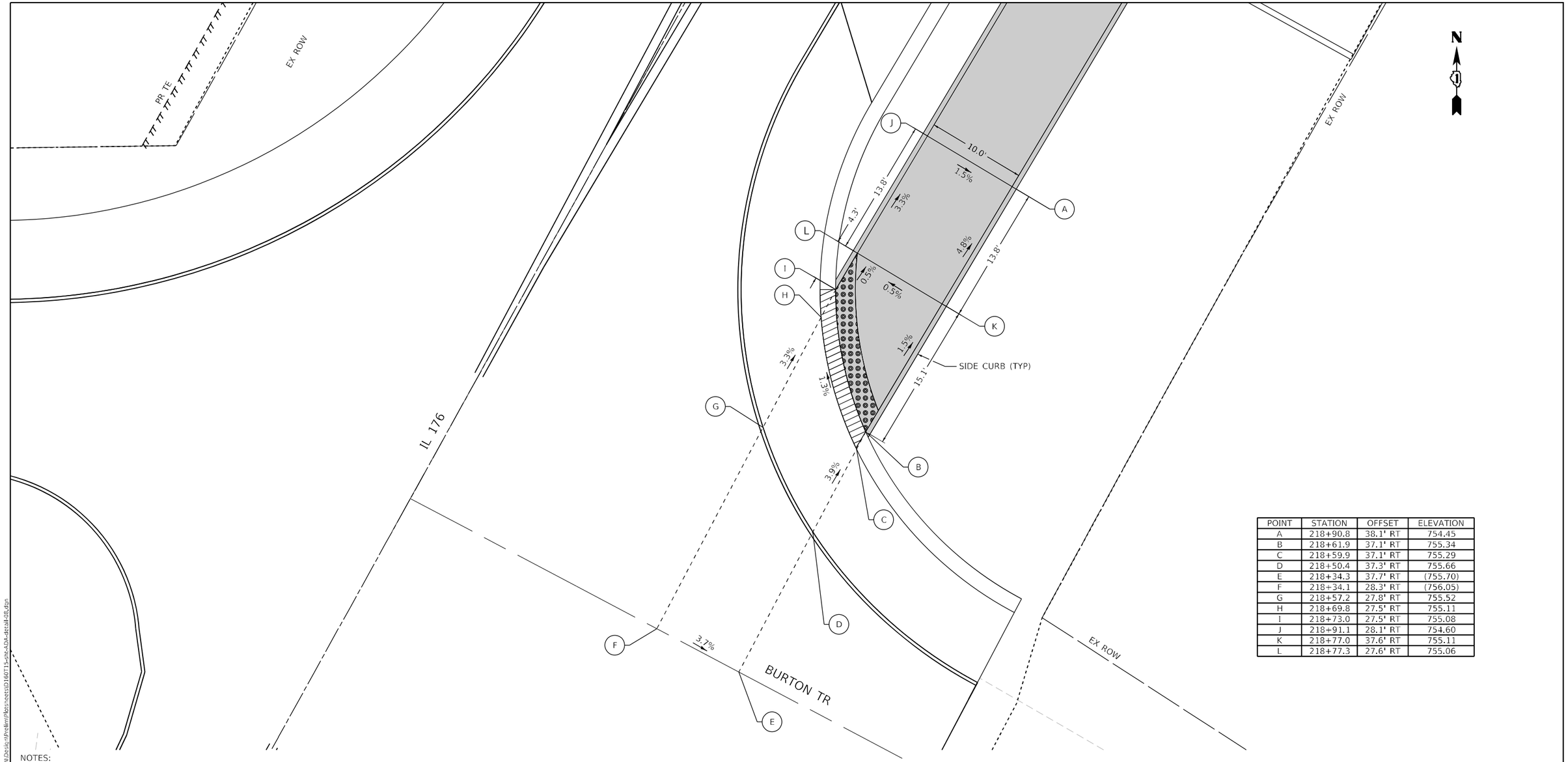
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PLOT SCALE = 10.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 2/5/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
ADA DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	86
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			



POINT	STATION	OFFSET	ELEVATION
A	218+90.8	38.1' RT	754.45
B	218+61.9	37.1' RT	755.34
C	218+59.9	37.1' RT	755.29
D	218+50.4	37.3' RT	755.66
E	218+34.3	37.7' RT	(755.70)
F	218+34.1	28.3' RT	(756.05)
G	218+57.2	27.8' RT	755.52
H	218+69.8	27.5' RT	755.11
I	218+73.0	27.5' RT	755.08
J	218+91.1	28.1' RT	754.60
K	218+77.0	37.6' RT	755.11
L	218+77.3	27.6' RT	755.06

NOTES:

1. AT DEPRESSED CURBS, ADJACENT TO CURB RAMPS ACCESSIBLE TO THE DISABLED, THE GUTTER FLAG SLOPE SHALL BE -5% UNLESS NOTED OTHERWISE.

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER

MODEL: Default
FILE NAME: Z:\18039.20 (STFI & _30 (RDY) IDOT D1 PTB 187-006 WO20 IL 176-Nish Rd\IDGN\Design\Preliminary\Plansheets\D160T15-sht-ADA-detail-08.dgn

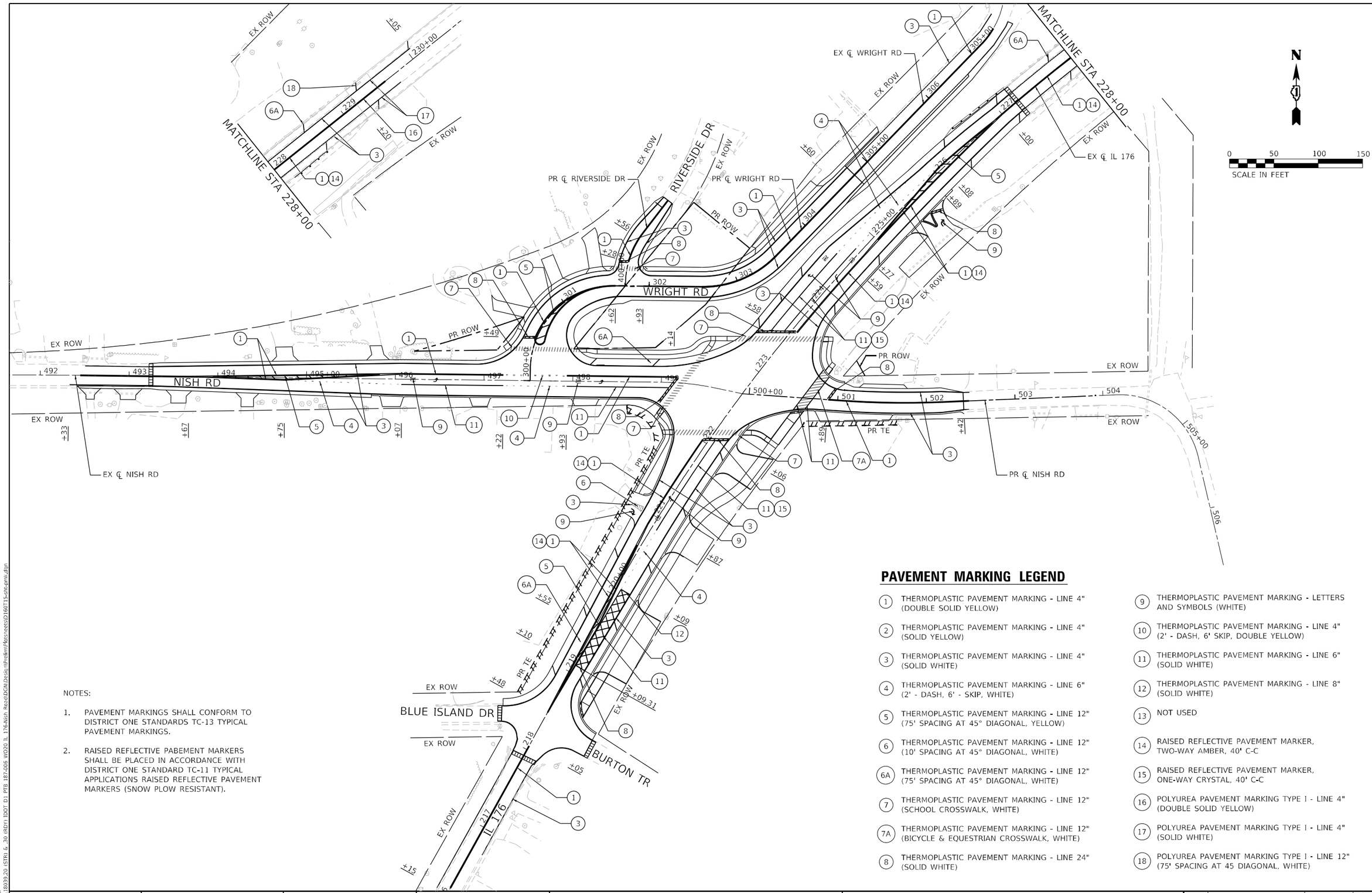
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PLOT SCALE = 10.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 2/5/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
ADA DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	87
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		



NOTES:

1. PAVEMENT MARKINGS SHALL CONFORM TO DISTRICT ONE STANDARDS TC-13 TYPICAL PAVEMENT MARKINGS.
2. RAISED REFLECTIVE PABEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH DISTRICT ONE STANDARD TC-11 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT).

PAVEMENT MARKING LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE SOLID YELLOW)
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
4. THERMOPLASTIC PAVEMENT MARKING - LINE 6" (2' - DASH, 6' - SKIP, WHITE)
5. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (75' SPACING AT 45° DIAGONAL, YELLOW)
6. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (10' SPACING AT 45° DIAGONAL, WHITE)
6A. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (75' SPACING AT 45° DIAGONAL, WHITE)
7. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SCHOOL CROSSWALK, WHITE)
7A. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (BICYCLE & EQUESTRIAN CROSSWALK, WHITE)
8. THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE)
9. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
10. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (2' - DASH, 6' SKIP, DOUBLE YELLOW)
11. THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE)
12. THERMOPLASTIC PAVEMENT MARKING - LINE 8" (SOLID WHITE)
13. NOT USED
14. RAISED REFLECTIVE PAVEMENT MARKER, TWO-WAY AMBER, 40' C-C
15. RAISED REFLECTIVE PAVEMENT MARKER, ONE-WAY CRYSTAL, 40' C-C
16. POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (DOUBLE SOLID YELLOW)
17. POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (SOLID WHITE)
18. POLYUREA PAVEMENT MARKING TYPE I - LINE 12" (75' SPACING AT 45 DIAGONAL, WHITE)

USER NAME = JBerggren	DESIGNED - RG	REVISED -
	DRAWN - CS	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -
PLOT DATE = 4/29/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
PAVEMENT MARKING PLANS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	88
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: 2:\18039.20 (STA) & 30 (RDY) IDOT D1 PTB 187-006 WO20 IL 176-Nish Road\DGN\Design\Prelim\Plots\sets\D160715-sht-pmrk.dgn

SIGNING SCHEDULE

SIGN NUMBER	EXISTING STATION	EXISTING OFFSET	PROPOSED STATION	PROPOSED OFFSET	DESIGNATION	DESCRIPTION	PANEL WIDTH	PANEL HEIGHT	PANEL AREA	72000100 SIGN PANEL T1	72400100 REMOV SIN PAN ASSY TA	72400200 REMOV SIN PAN ASSY TB	72400310 REMOV SIGN PANEL T1	72400500 RELOC SIN PAN ASSY TA	72400600 RELOC SIN PAN ASSY TB	72400710 RELOC SIGN PANEL T1	72800100 TELESCOPING STEEL SIGN SUPPORT	72900100 METAL POST TYPE A			72900200 METAL POST TYPE B	73100100 BASE FOR TELESCOPING STEEL SIGN SUPPORT
							(IN)	(IN)	(SQ FT)	(SQ FT)	(EA)	(EA)	(SQ FT)	(EA)	(EA)	(SQ FT)	(LF) P1	(FT) P1	P2	P3	(FT) P1	(EA) P1
EX-01	305+71	25.4'RT			W16-6L	LARGE LEFT ARROW	48	24	8.0													
EX-02	305+59	32.3'RT			W16-6R	LARGE RIGHT ARROW	48	24	8.0													
EX-03	503+53	14.1'RT			R2-1	SPEED LIMIT	18	24	3.0													
EX-04	503+53	14.1'RT			CUSTOM	PARKING RESTRICTIONS	12	18	1.5													
EX-05	503+53	14.1'RT			CUSTOM	NEIGHBORHOOD WATCH	24	12	2.0													
EX-06	218+07	38.5'LT			D3-1	STREET NAME	70	12	5.8													
EX-07	218+07	38.5'LT			D3-1	STREET NAME	70	12	5.8													
EX-08	218+07	38.5'LT			R1-1	STOP	36	36	9.0													
REM-01	492+77	17.2'RT			W3-1	STOP AHEAD	30	30	6.3				6.3									
REM-02	400+26	24.5'LT			D3-1	STREET NAME	55	12	4.6				4.6									
REM-03	400+26	24.5'LT			D3-1	STREET NAME	55	12	4.6				4.6									
REM-04	400+65	13.7'LT			W14-1	DEAD END	24	24	4.0		1											
REM-05	400+65	13.7'LT			R2-1	SPEED LIMIT	18	24	3.0													
REM-06	498+53	19.9'RT			W4-4bP	ONCOMING TRAFFIC DOES NOT STOP	24	12	2.0				2.0									
REM-07	498+53	19.9'RT			R10-6100	STOP AT LINE	30	18	3.8				3.8									
REM-08	498+82	17.0'RT			R10-7	DO NOT BLOCK INTERSECTION	24	30	5.0			1										
REM-09	498+82	17.0'RT			R10-7	DO NOT BLOCK INTERSECTION	24	30	5.0													
REM-10	300+56	19.2'LT			W4-4aP	TRAFFIC FROM LEFT DOES NOT STOP	24	12	2.0				2.0									
REM-11	300+56	19.2'LT			CUSTOM	STOP AT LINE	18	8	1.0				1.0									
REM-12	300+91	24.7'RT			CUSTOM	PARKING RESTRICTIONS	12	18	1.5				1.5									
REM-13	223+08	31.8'LT			D3-1a	STREET NAME	43	12	3.6													
REM-14	223+08	31.8'LT			D3-1a	STREET NAME	43	12	3.6			1										
REM-15	223+08	31.8'LT			D3-1a	STREET NAME	56	12	4.7													
REM-16	223+08	31.8'LT			D3-1a	STREET NAME	56	12	4.7													
REM-17	500+94	49.1'LT			D3-1	STREET NAME	32	12	2.7													
REM-18	500+94	49.1'LT			D3-1	STREET NAME	32	12	2.7			1										
REM-19	500+94	49.1'LT			D3-1	STREET NAME	46	12	3.8													
REM-20	500+94	49.1'LT			D3-1	STREET NAME	46	12	3.8													
REM-21	500+84	26.6'LT			R1-1	STOP	30	30	6.3				6.3									
REM-22	302+83	20.6'LT			W3-1	STOP AHEAD	30	30	6.3				6.3									
REM-23	302+72	21.6'RT			R7-1	PARKING RESTRICTIONS	12	18	1.5				1.5									
REM-24	506+80	14.0'LT			W3-1	STOP AHEAD	30	30	6.3				6.3									
REM-25	219+06	26.4'RT			W2-1	INTERSECTION WARNING	30	30	6.3													
REM-26	219+06	26.4'RT			CUSTOM	INTERSECTION WARNING: NISH RD	24	12	2.0		1											
REM-27	229+01	26.2'RT			W2-1	INTERSECTION WARNING	30	30	6.3													
REM-28	229+01	26.2'RT			CUSTOM	INTERSECTION WARNING: NISH RD	24	12	2.0		1											
REL-01	400+26	24.5'LT	300+29	35.5'LT	D3-1	STREET NAME	32	12	2.7													
REL-02	400+26	24.5'LT	300+29	35.5'LT	D3-1	STREET NAME	32	12	2.7					1								
REL-03	401+77	16.4'RT	400+38	16.7'RT	R2-1	SPEED LIMIT	24	30	5.0							5.0						
REL-04	498+16	19.8'LT	498+57	28.8'LT	R2-1	SPEED LIMIT	24	30	5.0													
REL-05	498+16	19.8'LT	498+57	28.8'LT	CUSTOM	THIS ROAD MAINTAINED BY YOUR LOCAL TOWNSHIP ROAD DIST.	12	18	1.5					1								
REL-06	498+16	19.8'LT	498+57	28.8'LT	CUSTOM	NUNDA TWP	12	6	0.5													
REL-07	498+53	19.9'RT	300+44	17.3'LT	R1-1	STOP	30	30	6.3							6.3						
REL-08	499+18	29.9'RT	400+25	12.0'LT	R1-1	STOP	30	30	6.3							6.3						
REL-09	300+56	19.2'LT	225+82	34.5'RT	R1-1	STOP	36	36	9.0							9.0						
REL-10	300+91	24.7'RT	302+30	20.8'RT	CUSTOM	THIS ROAD MAINTAINED BY YOUR LOCAL TOWNSHIP ROAD DIST.	12	18	1.5					1								
REL-11	300+91	24.7'RT	302+30	20.8'RT	CUSTOM	NUNDA TWP	12	6	0.5													
REL-12	301+67	26.0'RT	304+02	21.0'RT	W11-2	PEDESTRIAN	30	30	6.3					1								
REL-13	301+67	26.0'RT	304+02	21.0'RT	W16-9P	AHEAD	24	12	2.0													
REL-14	226+02	24.3'LT	226+02	29.3'LT	I1-1107a	LOVE THE LAND OF LINCOLN	30	36	7.5													
REL-15	226+02	24.3'LT	226+02	29.3'LT	I1-1107b	ADOPT A HIGHWAY	30	18	3.8						1							
REL-16	226+02	24.3'LT	226+02	29.3'LT	I1-1107c	CLEANUP CREW WORKING / KEEP ILLINOIS CLEAN	36	36	9.0													
REL-17	501+01	18.3'LT	501+08	26.3'LT	R12-1	WEIGHT LIMIT	24	30	5.0							5.0						
REL-18	220+76	24.5'LT	220+28	25.8'LT	R2-1	SPEED LIMIT	30	36	7.5							7.5						
REL-19	220+65	24.2'RT	224+52	30.2'RT	R2-1	SPEED LIMIT	30	36	7.5							7.5						
REL-20	218+55	38.1'RT	218+61	48.7'RT	R1-1	STOP	36	36	9.0							9.0						
REL-21	218+60	45.7'RT	218+63	41.8'RT	D3-1	STREET NAME	40	12	3.3													
REL-22	218+60	45.7'RT	218+63	41.8'RT	D3-1	STREET NAME	40	12	3.3						1							
REL-23	218+60	45.7'RT	218+63	41.8'RT	D3-1	STREET NAME	46	12	3.8													
REL-24	218+60	45.7'RT	218+63	41.8'RT	D3-1	STREET NAME	46	12	3.8													
REL-25	223+84	25.4'LT	221+50	30.1'LT	W11-8	EMERGENCY VEHICLE	36	36	9.0							9.0						
PR-01			492+77	17.2'RT	W3-3	SIGNAL AHEAD	36	36	9.0	9.0												
PR-02			492+77	17.2'RT	W16-8P	ADVANCE STREET NAME	48	9	3.0	3.0								23.0	23.0			
PR-03			300+29	35.5'LT	D3-1	STREET NAME	36	12	3.0	3.0												
PR-04			300+29	35.5'LT	D3-1	STREET NAME	36	12	3.0	3.0												
PR-05			302+30	14.4'LT	W1-1	LEFT TURN	30	30	6.3	6.3								22.0	22.0			
PR-06			302+30	20.8'RT	R2-1	SPEED LIMIT	24	30	5.0	5.0											13.5	
PR-07			304+52	26.2'LT	W1-1	ADVANCE WARNING: RIGHT TURN	30	30	6.3	6.3											13.0	
PR-08			304+52	26.2'LT	W13-1P	ADVISORY SPEED	18	18	2.3	2.3												
PR-09			225+88	37.8'RT	R3-5	RIGHT TURN ONLY	30	36	7.5	7.5											12.0	
PR-10			225+88	37.8'RT	R5-1	DO NOT ENTER	30	30	6.3	6.3												
PR-11			503+79	14.0'LT	W3-3	SIGNAL AHEAD	36	36	9.0	9.0								24.5	24.5			
PR-12			503+79	14.0'LT	W16-8P	ADVANCE STREET NAME	48	9	3.0	3.0												
PR-13			220+80	28.2'LT	R3-5	RIGHT TURN ONLY	30	36	7.5	7.5											12.0	
PR-14			220+80	28.2'LT	R3-2	NO LEFT TURN	30	30	6.3	6.3												
PR-15			219+06	26.4'RT	W3-3	SIGNAL AHEAD	36	36	9.0	9.0												
PR-16			219+06	26.4'RT	W16-8P	ADVANCE STREET NAME	36	8	2.0	2.0								28.5	28.5			
PR-17			225+58	32.6'RT	R3-2	NO LEFT TURN	30	30	6.3	6.3							9.5					1
PR-18			227+40	15.7'LT	W3-3	SIGNAL AHEAD	36	36	9.0	9.0												
PR-19			227+40	15.7'LT	W16-8P	ADVANCE STREET NAME	36	8	2.0	2.0								28.5	28.5			
PR-20			223+46	42.0'LT	R3-5	RIGHT TURN ONLY	30	36	7.5	7.5								27.0	27.0			
PR-21			302+30	14.4'LT	W13-1P	ADVISORY SPEED	18	18	2.3	2.3												
PR-22			300+44	17.3'LT	W4-4P	CROSS TRAFFIC DOES NOT STOP	24	12	2.0	2.0												
PR-23			400+25	12.0'LT	W4-4P	CROSS TRAFFIC DOES NOT STOP	24	12	2.0	2.0												
									TOTAL	120	3	3	46	4	2	65	10	307			51	1

USER NAME = RCall	DESIGNED - RG	REVISED -	**STATE OF ILLINOIS**
	DRAWN - CS	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 10.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 2/5/2021	DATE -	REVISED -	

IL 176 AT NISH RD
SIGNING SCHEDULE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	89
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: 221B039.20 (STH) & 30 (RDV) IDOT D1 PTB 187-006 WO20 IL 176-Nish Road\DGN\Design\Prelim\Plansheets\D160T15-cnt-sht-nus-schedule.dgn

EX-01, W1-6L-4824

EX ℄ WRIGHT RD

REM-22, W3-1-3030

REM-23, R7-1-1218

WRIGHT RD

EX ROW

EX ℄ IL 176

Nish Rd

REM-27, W2-1-3030
REM-28, CUSTOM-2412

EX-02, W1-6R-4824

REL-10, CUSTOM-1218
REL-11, CUSTOM-1206
REM-12, CUSTOM-1218

SPEED LIMIT 10 REL

REL-03, R2-1-2430

RIVERSIDE DR

AHEAD REL

REL-12, W11-2-3030
REL-13, W16-9P-2412

DEAD END

SPEED LIMIT 10

REM-04, W14-1-2424
REM-05, R2-1-1824

EX ℄ RIVERSIDE DR

Nish Rd (2) REL
S Riverside Dr (2)

REL-01 & 02, D3-1-3212
REM-02 & 03, D3-1-5512

PR ROW

REL-25, W11-8-3030

Love the Land of Lincoln REL
ADOPT-A-HIGHWAY REL
KEEP ILLINOIS CLEAN REL

REL-14, I1-I107a-3036
REL-15, I1-I107b-3018
REL-16, I1-I107c-3636 (HINGED)

(2) Nish Rd
(2) IL Rte 176

REM-13 & 14, D3-1a-4312
REM-15 & 16, D3-1a-5612

(2) Nish Rd
(2) IL Rte 176

REM-17 & 18, D3-1-3212
REM-19 & 20, D3-1-4612

REM-24, W3-1-3030

PR ROW

NISH RD

EX ROW

REM-01, W3-1-3030

SPEED LIMIT 35 REL

REL-04, R2-1-2430
REL-05, CUSTOM-1218
REL-06, CUSTOM-1206

STOP REL
STOP AT LINE

REL-07, R1-1-3030
REM-06, W4-4bP-2412
REM-07, R10-I100-3018

DO NOT BLOCK INTERSECTION (2)

REM-08 & 09, R10-7-2430

PR TE

STOP

REM-21, R1-1-3030

EX ℄ NISH RD

WEIGHT LIMIT 5 TONS REL

REL-17, R12-1-2430

SPEED LIMIT 25

EX-03, R2-1-1824
EX-04, CUSTOM-1218
EX-05, CUSTOM-2412

STOP REL

REL-08, R1-1-3030

STOP REL

REL-09, R1-1-3030
REM-10, W4-4aP-2412
REM-11, CUSTOM-1808

SPEED LIMIT 40 REL

REL-18, R2-1-2430

SPEED LIMIT 40 REL

REL-19, R2-1-2430

Nish Rd

REM-25, W2-1-3030
REM-26, CUSTOM-2412

STOP REL

REL-20, R1-1-3030

BLUE ISLAND DR

Blue Island Ave (2)

STOP

EX-06 & 07, D3-1-7012
EX-08, R1-1-3030

BURTON TR

(2) Burton Tr REL
(2) IL Rte 176 REL

REL-21 & 22, D3-1-4012
REL-23 & 24, D3-1-4612

IL 176

SIGNING LEGEND

EX-XX	EXISTING SIGN TO REMAIN
REL-XX	RELOCATED SIGN
REM-XX	REMOVED SIGN
PR-XX	PROPOSED SIGN

MODEL: Default
FILE NAME: Z:\18039.20 ISTRI & 30 RDY\ IDOT D1 PTB 187-006 W020 IL 176-Nish Rd\DGN\Design\Preliminl\Plots\sheets\D1601T3-sht-dsn-ex.dgn

USER NAME = RCall	DESIGNED - RG	REVISED -	
	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 2/5/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
EXISTING SIGNING PLAN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	90
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

SPEED LIMIT 30
THIS ROAD IMPROVED BY YOUR LOCAL TOWNSHIP/ROAD DIST.
FUNDS TYP
REL
PR-06, R2-1-2430
REL-10, CUSTOM-1218
REL-11, CUSTOM-1206

15 M.P.H.
PR-05, W1-1-3030
PR-21, W13-1P-1818

AHEAD
REL-12, W11-2-3030
REL-13, W16-9P-2412

15 M.P.H.
PR-07, W1-1-3030
PR-08, W13-1P-1818

EX-01, W1-6L-4824

EX ℄ WRIGHT RD

EX ℄ IL 176

SCALE IN FEET 0 50 100 150

EX-02, W1-6R-4824

NEW
Nish Rd
W16-15P-2412
PR-01, W3-3-3636
PR-02, W16-8P-4809

STOP
CROSS TRAFFIC DOES NOT STOP
REL-08, R1-1-3030
PR-23, W4-4P-2412

SPEED LIMIT 10
REL-03, R2-1-2430

ONLY
PR-20, R3-5R-3036

STOP
CROSS TRAFFIC DOES NOT STOP
REL-07, R1-1-3030
PR-22, W4-4P-2412

Nish Rd (2)
Wright Rd (2)
REL-01 & 02, D3-1-3212
PR-03 & 04, D3-1-3612

PR ℄ RIVERSIDE DR
PR ℄ WRIGHT RD
RIVERSIDE DR
WRIGHT RD
EX ROW
PR ROW
NISH RD
PR TE
PR ℄ NISH RD

SPEED LIMIT 40
REL-19, R2-1-3036

PR-17, R3-2-3030

STOP
REL-09, R1-1-3636

FACING WEST
ONLY
PR-09, R3-5-3036

FACING EAST
DO NOT ENTER
PR-10, R5-1-3030

NEW
18" X 18" RED FLAGS (TYP)
IL Rte 176
W16-15P-2412
PR-01, W3-3-3636
PR-02, W16-8P-4809

SPEED LIMIT 35
REL-04, R2-1-2430
REL-05, CUSTOM-1218
REL-06, CUSTOM-1206

REL-25, W11-8-3636

WEIGHT LIMIT 5 TONS
REL-17, R12-1-2430

SPEED LIMIT 25
EX-03, R2-1-1824
EX-04, CUSTOM-1218
EX-05, CUSTOM-2412

NEW
IL Rte 176
W16-15P-2412
PR-01, W3-3-3636
PR-02, W16-8P-4809

REFER TO TRAFFIC SIGNAL PLANS FOR MAST ARM MOUNTED STREET NAME SIGNS AT INTERSECTION OF IL 176 AND NISH RD

FACING EAST
FACING NORTH
ONLY
PR-13, R3-5-3036

PR-14, R3-2-3030

NEW
Nish Rd
W16-15P-2412
PR-01, W3-3-3636
PR-02, W16-8P-4809

Love the Land of Lincoln
ADOPT-A-HIGHWAY
IN MEMORY
JOE CASELLI
REL
KEEP ILLINOIS CLEAN
REL-14, I1-I107a-3036
REL-15, I1-I107b-3018
REL-16, I1-I107c-3636 (HINGED)

SPEED LIMIT 40
REL-18, R2-1-3036

(2) Burton Tr
(2) IL Rte 176
REL-21 & 22, D3-1-4012
REL-23 & 24, D3-1-4612

STOP
REL-20, R1-1-3636

BLUE ISLAND DR
EX ROW
PR TE
BURTON TR
IL 176

Blue Island Ave (2)
STOP
EX-06 & 07, D3-1-7012
EX-08, R1-1-3636

SIGNING LEGEND

EX-XX	EXISTING SIGN TO REMAIN	
REL	REL-XX	RELOCATED SIGN
REM	REM-XX	REMOVED SIGN
PR	PR-XX	PROPOSED SIGN

* ALL SIGNAL WARNING AHEAD SIGN ASSEMBLIES SHALL BE INSTALLED AND VISIBLE TO TRAFFIC AT THE TIME OF THE NEW TRAFFIC SIGNAL ACTIVICATION - THE "NEW" (W16-15P) SIGNS & RED FLAGS SHALL BE REMOVED NO LATER THAN 6 MONTHS AFTER THE REGULATION HAS BEEN IN EFFECT.

MODEL: Default
FILE NAME: z:\18039.20 (STR) & .30 (RDY) IDOT D1 PTB 187-006 WO20 IL 176-Nish Rd\D&M\Design\Prelim\Plans\sheets\D160715-sht-illrte-sht.dgn

USER NAME = JBerggren	DESIGNED - RG	REVISED -	
	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 4/29/2021	DATE -	REVISED -	

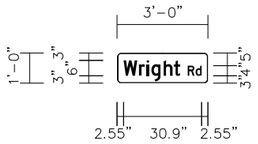
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
PROPOSED SIGNING PLAN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	91
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

SIGN DETAIL
1:75

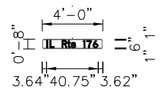


SIGN NUMBER	PR-03 & 04
WIDTH x HGHT.	3'-0" x 1'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)															LENGTH	SERIES/SIZE
W	r	i	g	h	t		R	d								D 2000
2.5	8.7	11.7	13.6	18.4	22.5	24.9	27.9	31.1							30.9	6/4.5,4/3

SIGN DETAIL
1:75

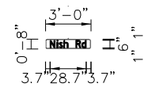


SIGN NUMBER	PR-02 & 12
WIDTH x HGHT.	4'-0" x 0'-8"
BORDER WIDTH	0.5"
CORNER RADIUS	1"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Yellow
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)															LENGTH	SERIES/SIZE
l	L		R	t	e		1	7	6							D 2000
3.6	6	9.8	15.8	20.2	23	26.6	32.6	35.2	40.3						40.7	6/4.5

SIGN DETAIL
1:75



SIGN NUMBER	PR-16 & 19
WIDTH x HGHT.	3'-0" x 0'-8"
BORDER WIDTH	0.5"
CORNER RADIUS	1"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Yellow
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)															LENGTH	SERIES/SIZE
N	i	s	h		R	d										D 2000
3.7	9.1	10.9	14.5	18	24	28.7									28.7	6/4.5

MODEL: Default
FILE NAME: Z:\18039.20_ISTRI & _30_IROY_IDOT_D1_PTB_187-008_WO20_IL_176-Nish_Road\DGN\Design\Prelim\Plansheets\D16011S-plns-sfns-sp-detail.dgn

USER NAME = RCall	DESIGNED - RG	REVISED -	**STATE OF ILLINOIS**
	DRAWN - CS	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 10.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 2/5/2021	DATE -	REVISED -	

IL 176 AT NISH RD
SIGNING PLAN DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	92
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

TOPSOIL 4" (102 SQ YD)
SEEDING CL 2A (25000210, 0.02 AC)
EROSION CONTR BLANKET (25100630, 102 SQ YD)
(TOTAL OF 2 NISH LT SEEDING AREAS)

TREE, QUERCUS BICOLOR (SWAMP WHITE OAK) (A2006520, 5 EACH)
TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY) (A2002916, 6 EACH)
5' MULCH RING, INFORMAL PLANTING

STA. 400+83.99
11.10' LT

TREE ROOT PRUNING (20101200, 1 EACH)

PR ℄ RIVERSIDE DR

STA. 301+48.03
67.00' LT

STA. 301+37.69
58.16' LT

STA. 301+14.69
52.42' LT

STA. 301+05.51
54.61' LT

TREE ROOT PRUNING
(20101200, 4 EACH)

STA. 300+64.02
67.28' LT

STA. 300+55.44
57.44' LT

TOPSOIL 4" (1978 SQ YD)
SEEDING CL 2A (25000210, 0.41 AC)
EROSION CONTR BLANKET (25100630, 1978 SQ YD)
(TOTAL OF 6 WRIGHT LT SEEDING AREAS)

TOPSOIL 4" (398 SQ YD)
SEEDING CL 2A (25000210, 0.08 AC)
EROSION CONTR BLANKET (25100630, 398 SQ YD)
(TOTAL OF 2 NISH LT SEEDING AREAS)

STA. 494+83.50
34.92' LT

STA. 494+64.68
34.45' LT

STA. 494+00.00
37.23' LT

STA. 495+84.20
37.44' LT

STA. 495+70.77
37.11' LT

BEGIN NISH RD
IMPROVEMENT
STA. 493+26.86

EX ROW

PR ROW

STA. 492+13.28
11.90' RT

NISH RD

PR ℄ NISH RD

EX ROW

STA. 492+12.61
27.46' RT

STA. 492+51.83
26.86' RT

STA. 492+61.09
26.75' RT

STA. 492+90.30
26.63' RT

STA. 493+07.72
26.61' RT

STA. 493+47.33
30.03' RT

STA. 493+64.56
29.83' RT

STA. 495+85.96
31.20' RT

STA. 496+06.03
30.96' RT

TREE ROOT PRUNING
(20101200, 3 EACH)

STA. 496+87.34
29.72' RT

STA. 497+04.13
29.51' RT

STA. 498+02.30
27.41' RT

STA. 221+85.50
98.34' LT

STA. 221+87.01
89.33' LT

STA. 221+84.11
60.57' LT

STA. 221+78.80
53.48' LT

STA. 221+69.29
46.93' LT

STA. 221+10.31
40.02' LT

STA. 220+85.38
39.01' LT

TOPSOIL 4" (669 SQ YD)
SEEDING CL 2A (25000210, 0.14 AC)
EROSION CONTR BLANKET (25100630, 669 SQ YD)
(TOTAL OF 7 NISH RT SEEDING AREAS)

TREE, CORNUS MAS (CORNELIAN CHERRY DOGWOOD)
15' O.C., STAGGERED - (B2001466, 3 EACH)

STA. 494+26.46
33.16' RT

STA. 494+40.57
32.99' RT

TOPSOIL 4" (622 SQ YD)
SEEDING CL 2A (25000210, 0.13 AC)
EROSION CONTR BLANKET (25100630, 622 SQ YD)
(TOTAL OF 4 IL 176 LT SEEDING AREAS)

3 GROUPS OF 5 - SHRUB, HAMAMELIS VIRGINIANA (COMMON WITCHHAZEL)
5' O.C., STAGGERED - (C2003348, 15 EACH)

2 GROUPS OF 12 - SHRUB, ARONIA ABRUTIFOLIA BRILLIANTISSIMA (BRILLIANT RED CHOKEBERRY)
3' O.C., STAGGERED, 2 ROWS - (C2000436, 24 EACH)

STA. 218+53.30
38.21' LT

BEGIN IL 176 IMPROVEMENT
STA. 217+92.73

STA. 218+41.06
59.58' LT

EX ROW

BLUE ISLAND DR

EX ROW

STA. 218+11.96
44.56' LT

TOPSOIL 4" (40 SQ YD)
SEEDING CL 2A (25000210, 0.01 AC)
EROSION CONTR BLANKET (25100630, 40 SQ YD)

STA. 217+90.33
13.39' LT

EX ROW

STA. 218+05.82
37.17' RT

TREE ROOT PRUNING
(20101200, 1 EACH)

STA. 217+93.91
34.32' RT

STA. 217+92.22
17.56' RT

STA. 218+24.53
64.25' RT

TOPSOIL 4" (73 SQ YD)
SEEDING CL 2A (25000210, 0.02 AC)
EROSION CONTR BLANKET (25100630, 73 SQ YD)

PR TE

PR CONSTRUCTION LIMITS (TYP)

STA. 218+54.07
61.89' RT

TOPSOIL 4" (768 SQ YD)
SEEDING CL 2A (25000210, 0.16 AC)
EROSION CONTR BLANKET (25100630, 768 SQ YD)
(TOTAL OF 9 IL 176 RT SEEDING AREAS)

STA. 219+18.73
62.07' RT

STA. 219+99.60
61.87' RT

STA. 220+50.00
53.97' RT

STA. 220+77.43
65.75' RT

STA. 221+12.96
66.60' RT

STA. 221+50.00
61.31' RT

STA. 221+60.22
70.77' RT

STA. 221+64.50
67.98' RT

STA. 221+84.84
70.14' RT

STA. 222+29.42
71.69' RT

STA. 222+86.47
75.85' RT

PR TE

PR ℄ NISH RD

STA. 224+16.24
208.68' RT

TOPSOIL 4" (40 SQ YD)
SEEDING CL 2A (25000210, 0.01 AC)
EROSION CONTR BLANKET (25100630, 40 SQ YD)

END NISH RD IMPROVEMENT
STA. 502+41.77

EX ROW

TREE ROOT PRUNING (20101200, 1 EACH)

TOPSOIL 4" (10 SQ YD)
SEEDING CL 2A (25000210, 0.01 AC)
EROSION CONTR BLANKET (25100630, 10 SQ YD)

STA. 224+00.00
62.63' RT

STA. 223+67.96
77.68' RT

PR ROW

EX ROW

STA. 224+94.27
44.06' RT

STA. 224+93.74
60.21' RT

STA. 225+43.69
43.57' RT

STA. 225+78.08
65.06' RT

STA. 226+18.45
62.46' RT

TOPSOIL 4" (1197 SQ YD)
SEEDING CL 2A (25000210, 0.25 AC)
EROSION CONTR BLANKET (25100630, 1197 SQ YD)
(TOTAL OF 3 IL 176 RT SEEDING AREAS)

STA. 227+00.00
38.22' RT

STA. 228+02.16
75.33' RT

STA. 228+04.62
69.13' RT

STA. 227+20.00
35.18' RT

EX ℄ IL 176

END IL 176 IMPROVEMENT
STA. 227+20.00

STA. 227+37.33
12.64' LT

STA. 227+64.14
41.47' LT

STA. 227+73.21
70.66' LT

STA. 227+70.40
75.91' LT

STA. 226+99.56
56.71' LT

STA. 227+00.33
59.40' LT

SEEDING CL 4B (25000314, 0.47 AC)
SEEDING CL 5B (25000324, 0.47 AC)
EROSION CONTR BLANKET (25100630, 2276 SQ YD)

EX ℄ WRIGHT RD

END WRIGHT RD IMPROVEMENT
STA. 304+79.50

STA. 305+20.04
39.05' LT

STA. 304+60.00
39.70' LT

STA. 304+40.50
30.89' LT

STA. 400+83.99
24.26' RT

PR ℄ WRIGHT RD

STA. 303+33.62
26.01' LT

RIVERSIDE DR

WRIGHT RD

IL 176

EX ROW

PR ROW

N

0 50 100 150
SCALE IN FEET

LEGEND:

- TOPSOIL 4" EROSION CONTROL BLANKET SEEDING CLASS 2A
- EROSION CONTROL BLANKET SEEDING CLASS 4B SEEDING CLASS 5B
- EXISTING ROW
- PROPOSED ROW
- PROPOSED PERMANENT EASEMENT
- PROPOSED TEMPORARY EASEMENT

MODEL: Default
FILE NAME: 2218039.20 (STRI & .30 (RDY) IDOT D1 PTB 187-006 W020 IL 176-Nish Rood\DGN\Design\PlanImiPlots\neets\D16013-sht-tndscp.dgn

USER NAME = RGall	DESIGNED - RG	REVISED -	
	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 2/5/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
LANDSCAPING PLANS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	93
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED
CONTROLLER CABINET		
COMMUNICATION CABINET	CC	CC
MASTER CONTROLLER	MC	MC
MASTER MASTER CONTROLLER	MMC	MMC
UNINTERRUPTABLE POWER SUPPLY		
SERVICE INSTALLATION -(P) POLE MOUNTED	P	P
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	G GM	G GM
TELEPHONE CONNECTION	ET	T
STEEL MAST ARM ASSEMBLY AND POLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY		BM
WOOD POLE		
GUY WIRE		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD OPTICALLY PROGRAMMED	P P	P P
FLASHER INSTALLATION -(FS) SOLAR POWERED	F FS F FS	F FS F FS
PEDESTRIAN SIGNAL HEAD		
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	APS	APS
RADAR DETECTION SENSOR	R	R
VIDEO DETECTION CAMERA	V	V
RADAR/VIDEO DETECTION ZONE		
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	PTZ
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIMATION BEACON		
WIRELESS INTERCONNECT		
WIRELESS INTERCONNECT RADIO REPEATER	ERR	RR

ITEM	EXISTING	PROPOSED
HANDHOLE -SQUARE -ROUND		
HEAVY DUTY HANDHOLE -SQUARE -ROUND	H	H
DOUBLE HANDHOLE		
JUNCTION BOX		
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER CABINET	RR	RR
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
SYSTEM ITEM	S	SP
INTERSECTION ITEM	I	IP
REMOVE ITEM		R
RELOCATE ITEM		RL
ABANDON ITEM		A
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF
MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF
SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF
DETECTOR LOOP, TYPE I		
PREFORMED DETECTOR LOOP	P P	P P
SAMPLING (SYSTEM) DETECTOR	S S	S S
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	IS IS	IS IS
QUEUE AND SAMPLING (SYSTEM) DETECTOR	QS QS	QS QS
WIRELESS DETECTOR SENSOR	W	W
WIRELESS ACCESS POINT		

ITEM	EXISTING	PROPOSED
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	P	P
SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE	P RB	P RB
PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	C D	C D
ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED	5	5
GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)	1#6	1#6
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C	1	1
COAXIAL CABLE	C	C
VENDOR CABLE	V	V
COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	6#18	6#18
FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	12F 24F 36F	12F 24F 36F
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	C M P S	C M P S

TS SHT NO. 1

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 1 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	94
	TS-05	CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

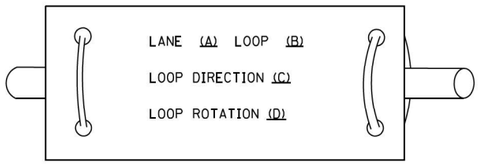
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

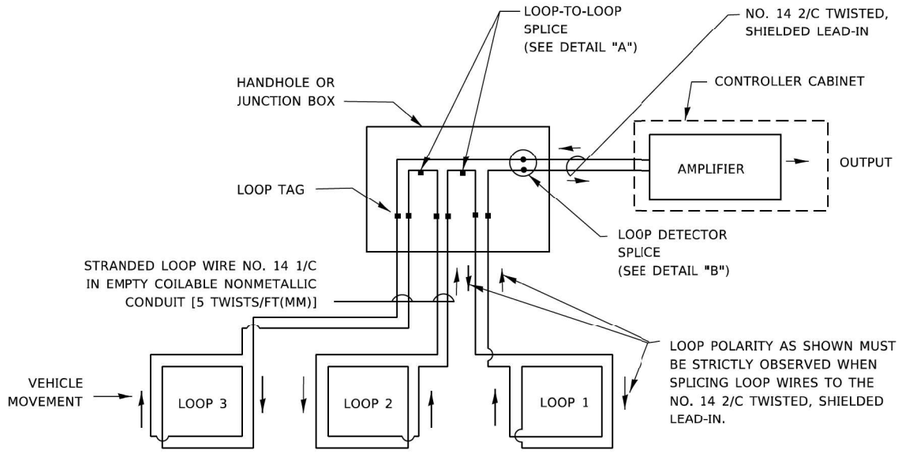


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

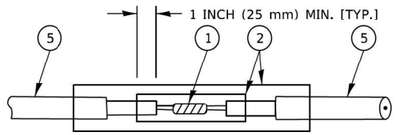
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

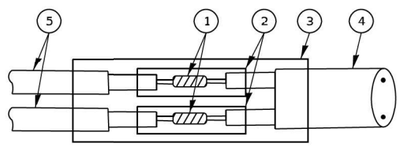


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

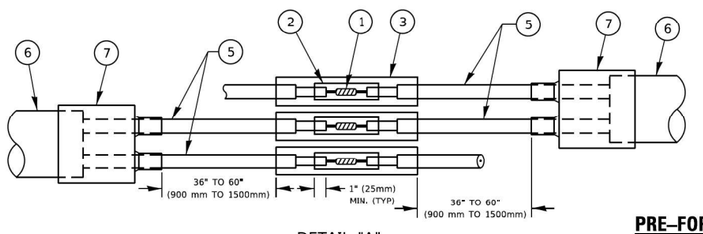


DETAIL "A"
LOOP-TO-LOOP SPLICE



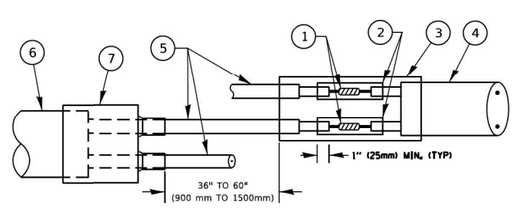
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

(1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.

(2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.

(3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP

(6) XL POLYOLEFIN 2 CONDUCTOR

(7) BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

TS SHT NO. 2

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

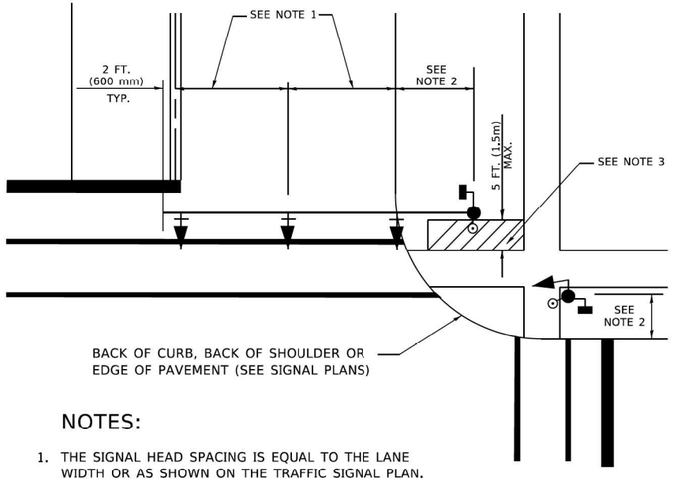
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 2 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	95
	TS-05	CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

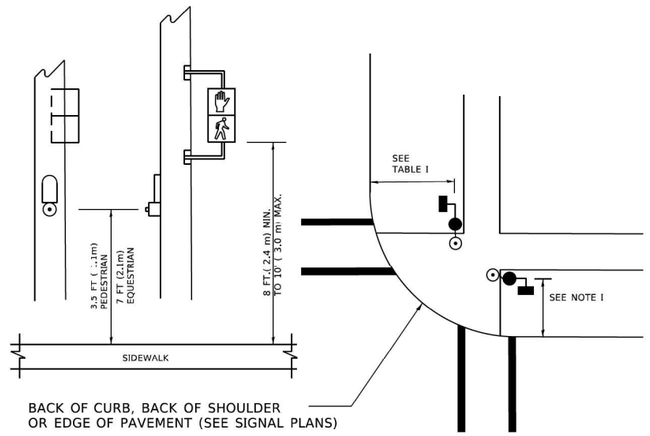
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

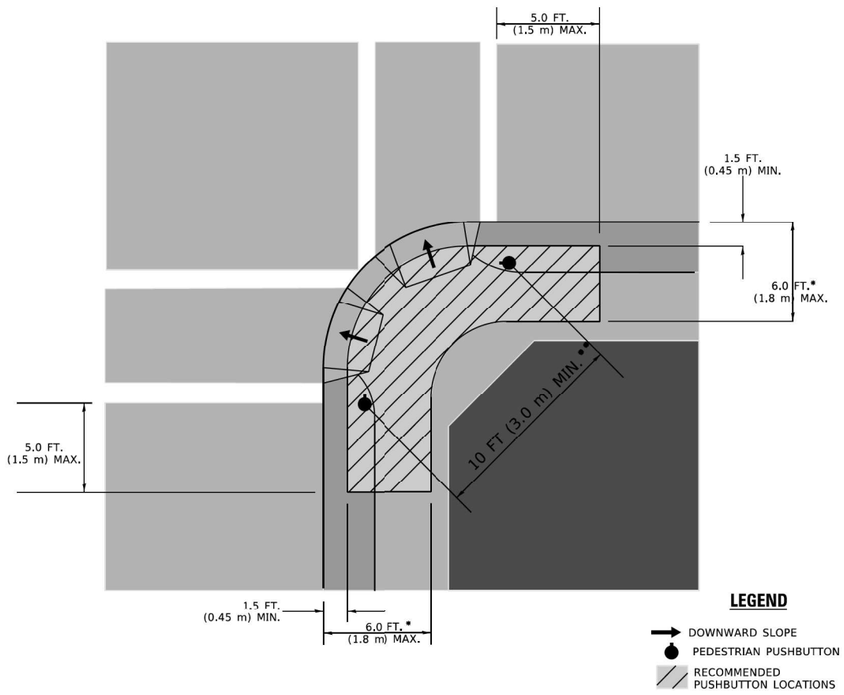
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TOTHE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE 'TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

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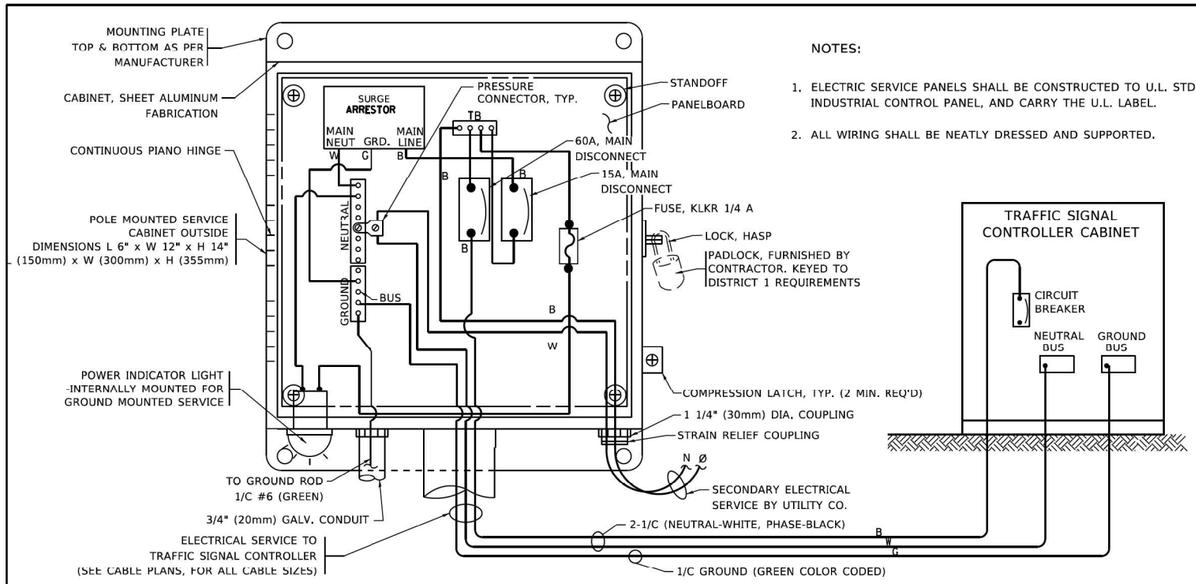
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 3 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	96
	TS-05	CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			



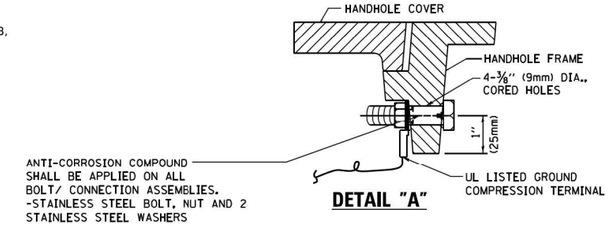
NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

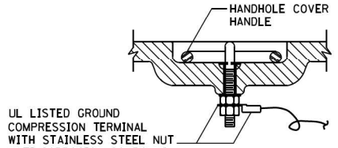
ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

(NOT TO SCALE)



DETAIL "A"

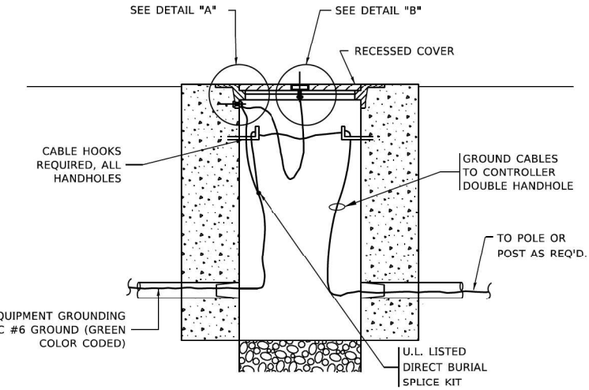


DETAIL "B"

NOTES:

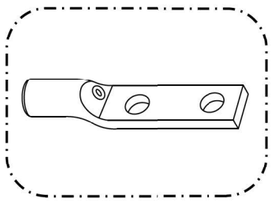
GROUNDING SYSTEM

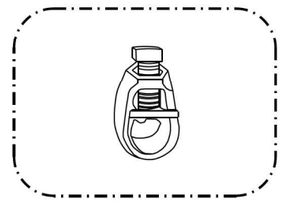
1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC,). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINCIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDJCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



HANDHOLE COVER & FRAME – GROUNDING DETAIL

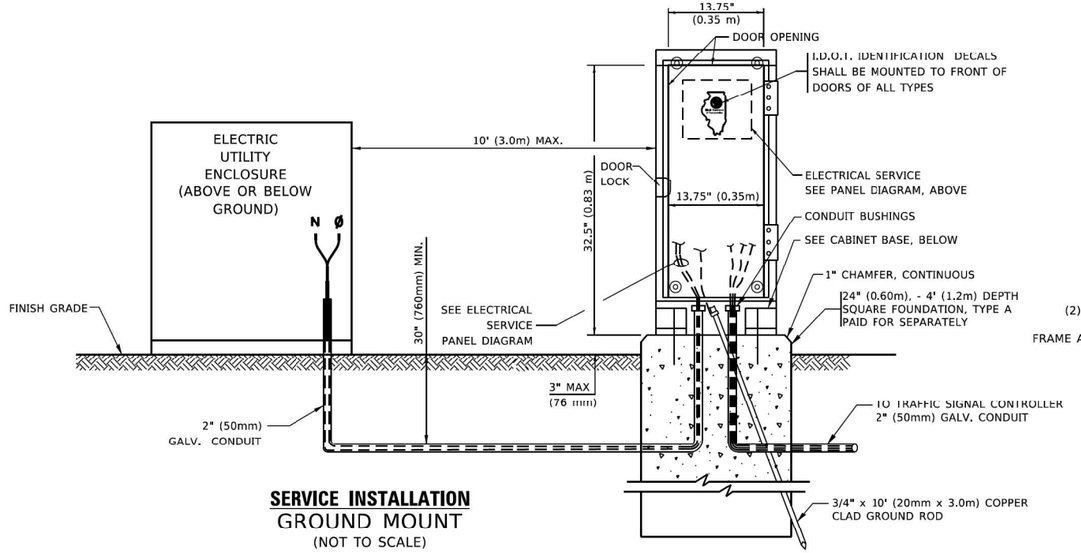
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NOTES:

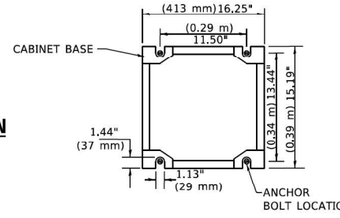
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



SERVICE INSTALLATION

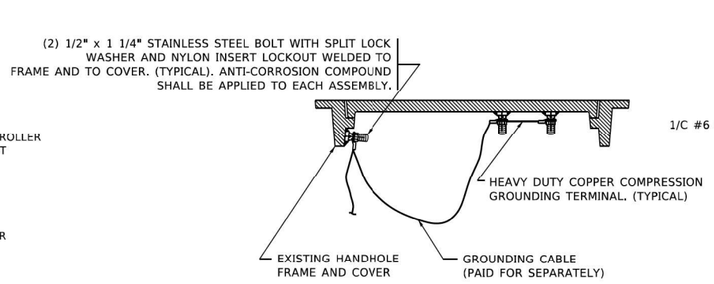
GROUND MOUNT

(NOT TO SCALE)



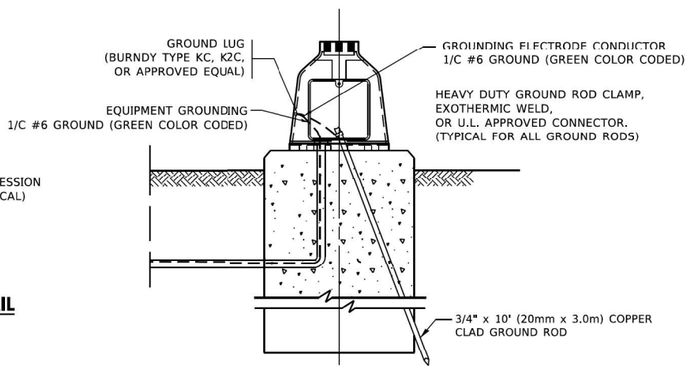
CABINET – BASE BOLT PATTERN

(NOT TO SCALE)



EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



MAST ARM POLE /POST–GROUNDING DETAIL

(NOT TO SCALE)

TS SHT NO. 4

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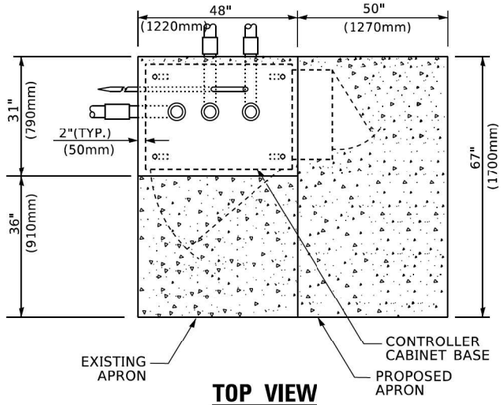
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

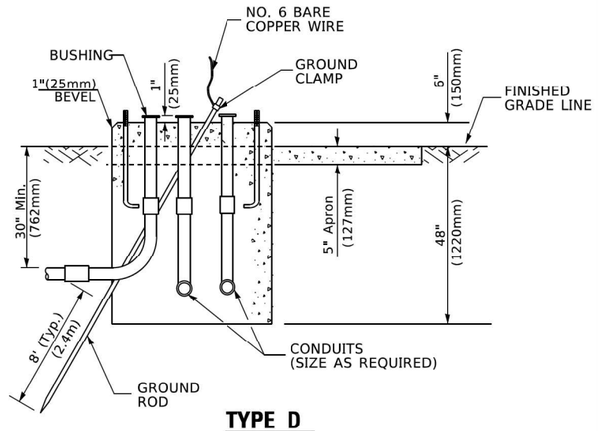
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 4 OF 7 SHEETS | STA. | TO STA.

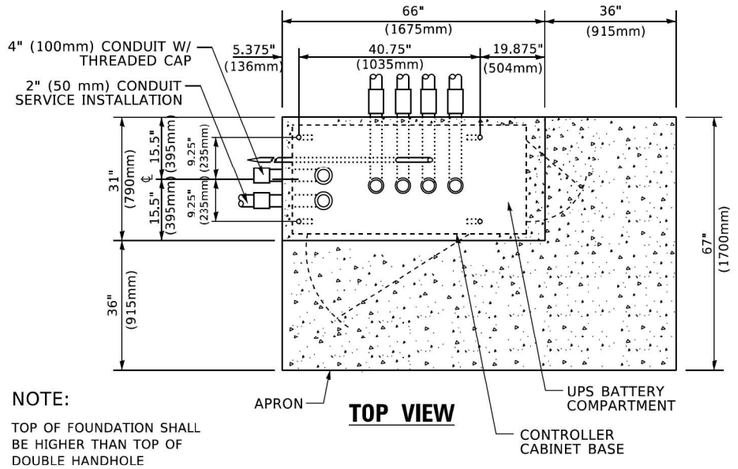
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	TS-05	CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			



TOP VIEW



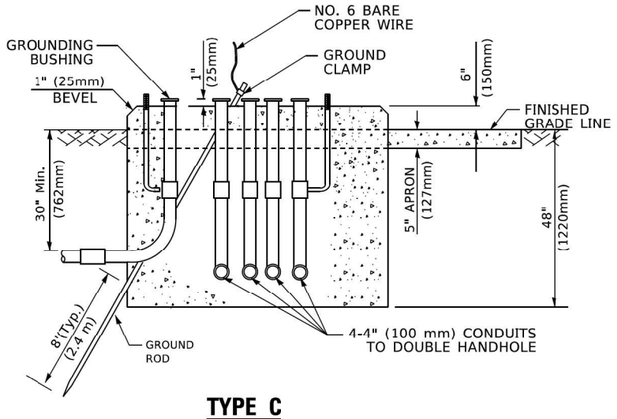
TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



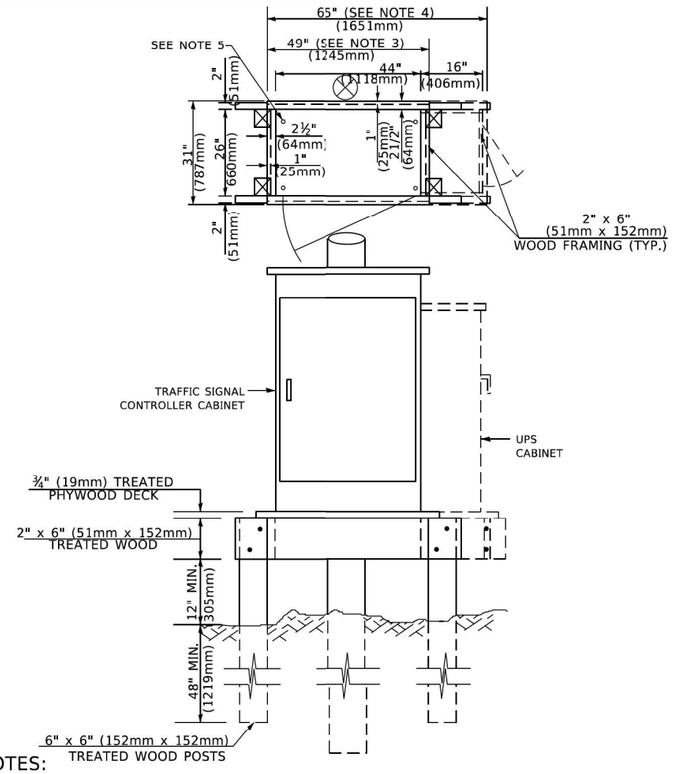
NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

TOP VIEW



TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH EASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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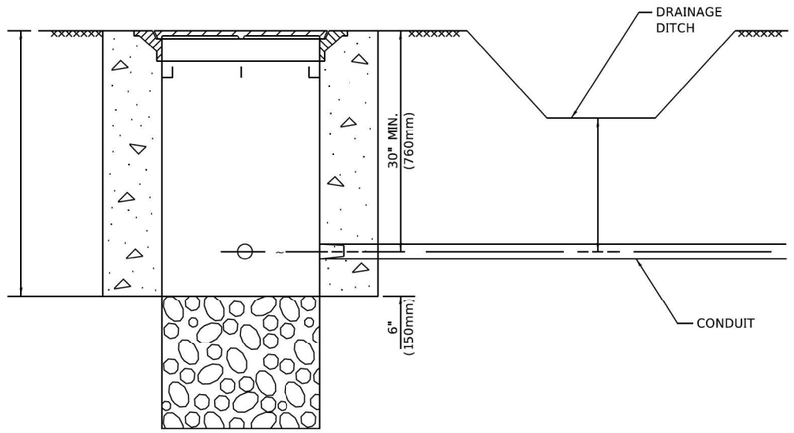
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 5 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	TS-05	CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

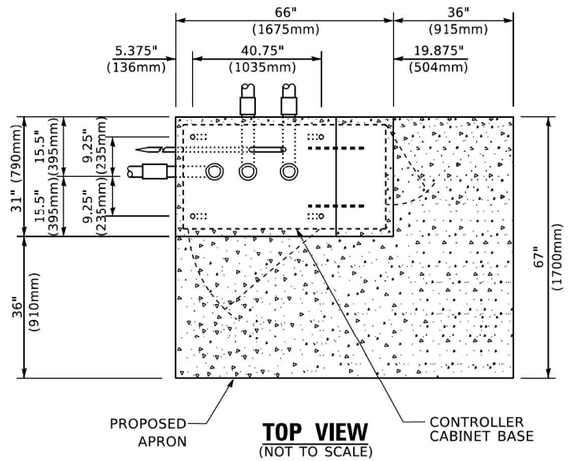


NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

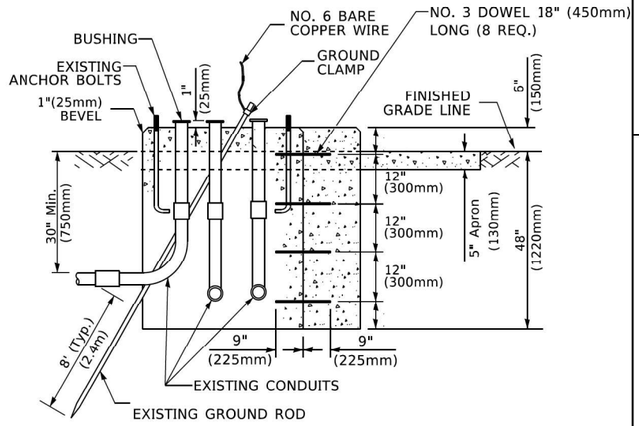
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



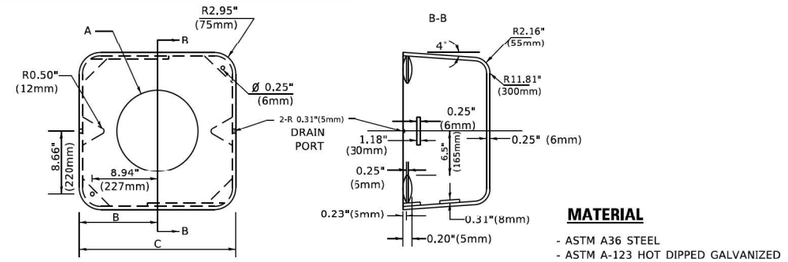
TOP VIEW

(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

(NOT TO SCALE)



MATERIAL

- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

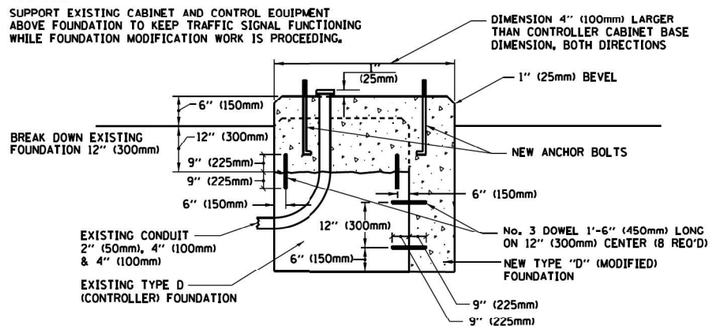
SHROUD

NOTES:

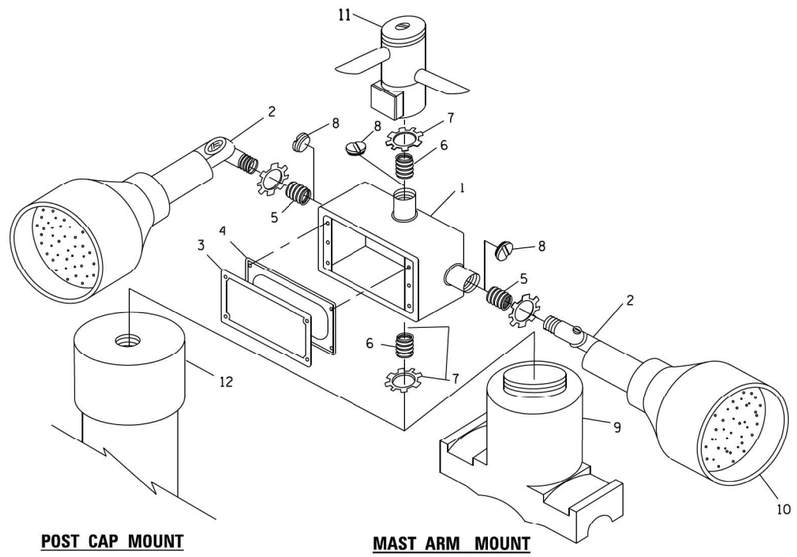
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



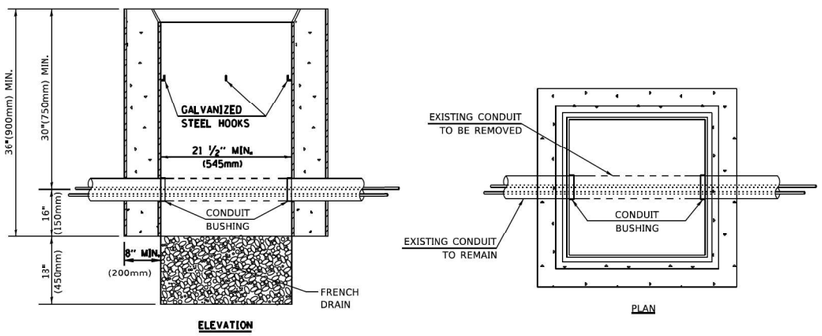
POST CAP MOUNT **MAST ARM MOUNT**

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
   ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
   ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 "(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

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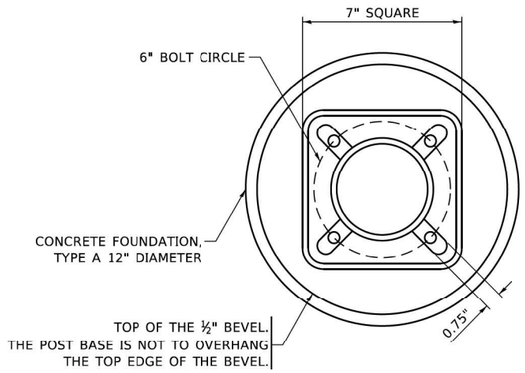
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PLOT DATE = 1/19/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 6 OF 7 SHEETS | STA. | TO STA.

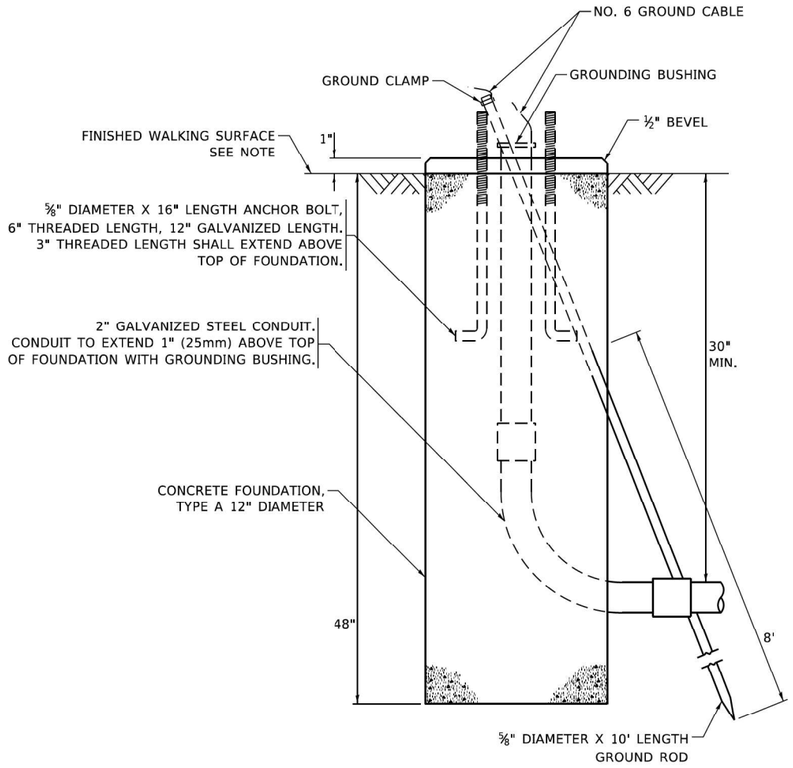
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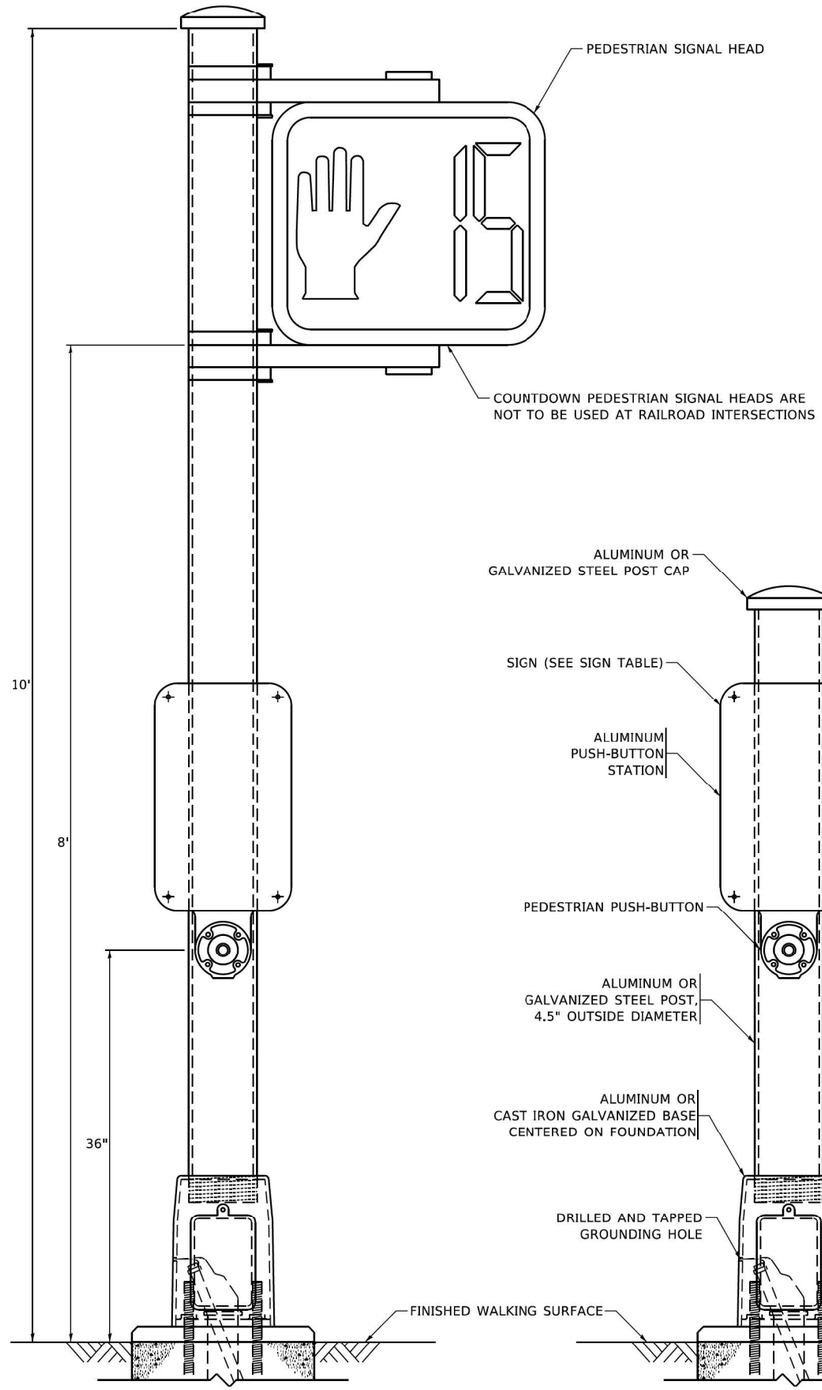
BOLT PATTERN

NOTE:

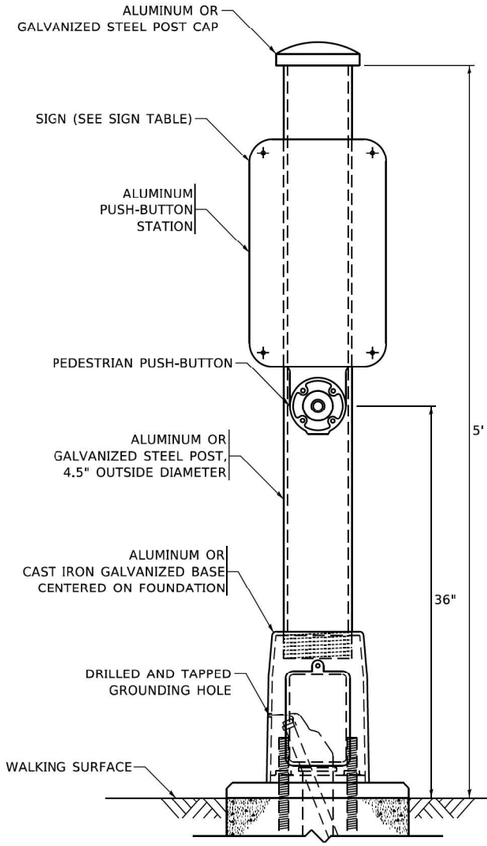
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



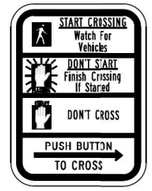
CONCRETE FOUNDATION, TYPE A 12–INCH DIAMETER



PEDESTRIAN SIGNAL POST, 10 FT.



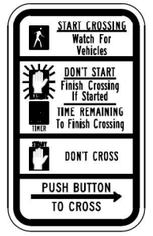
PEDESTRIAN SIGNAL POST, 5 FT.



R10–3b



R10–3d



R10–3e

SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 12"

NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

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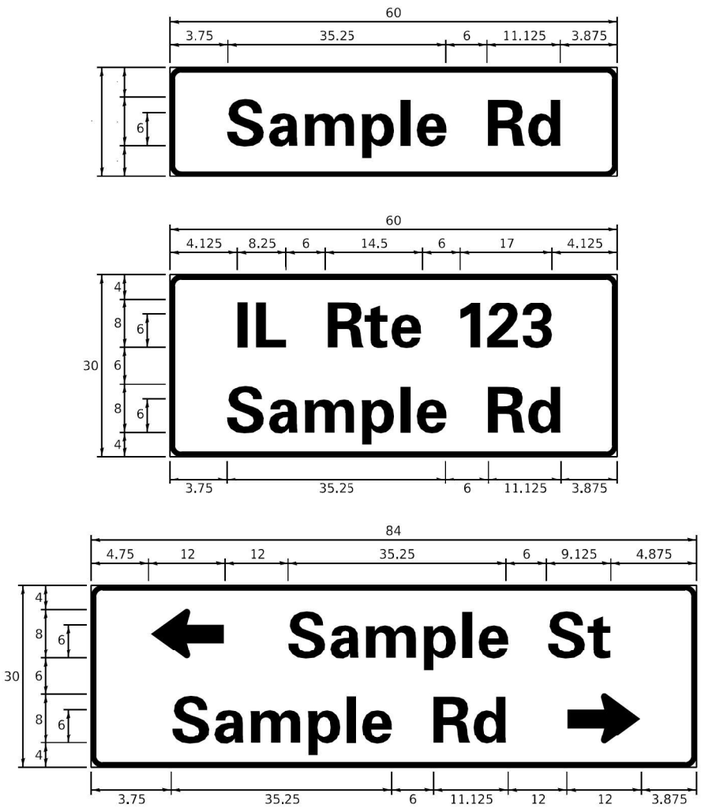
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 7 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	100
	TS–05	CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

1. WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
2. ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
3. THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
4. A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8"-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
5. LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
6. SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

- J.O. HERBERT COMPANY, INC
  MIDLOTHIAN, VA
- WESTERN REMAC, INC.
  WOODRIDGE, IL

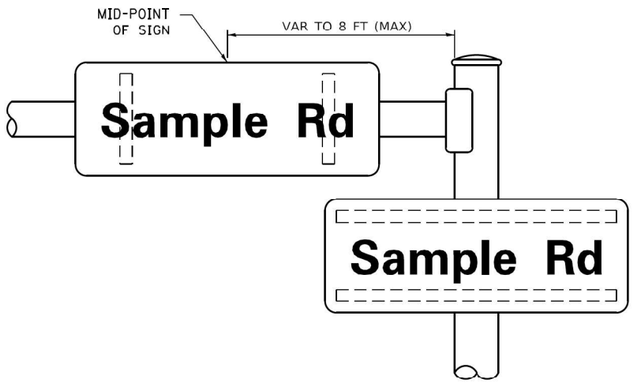
PARTS LISTING:

SIGN CHANNEL	PART #HPN053 (MED. CHANNEL)
SIGN SCREWS	1/4" x 14 x 1" H.W.H. #3 SELF TAPPING WITH NEOPRENE WASHER
BRACKETS	PART #HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

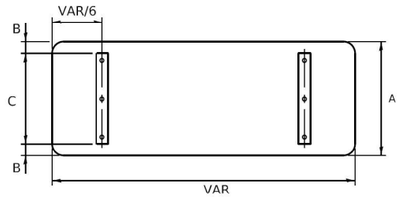
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION

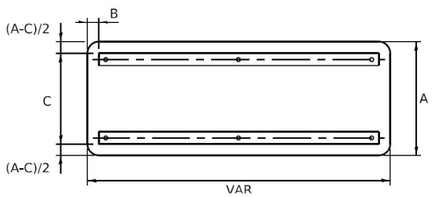
ARM OR POLE MOUNTED



SUPPORTING CHANNELS



A	B	C
18"	2"	14"
30"	2"	24"



A	B	C
18"	2"	12"
30"	2"	22"

STANDARD ALPHABETS SPACING CHART

(8") UPPER CASE AND (6") LOWER CASE

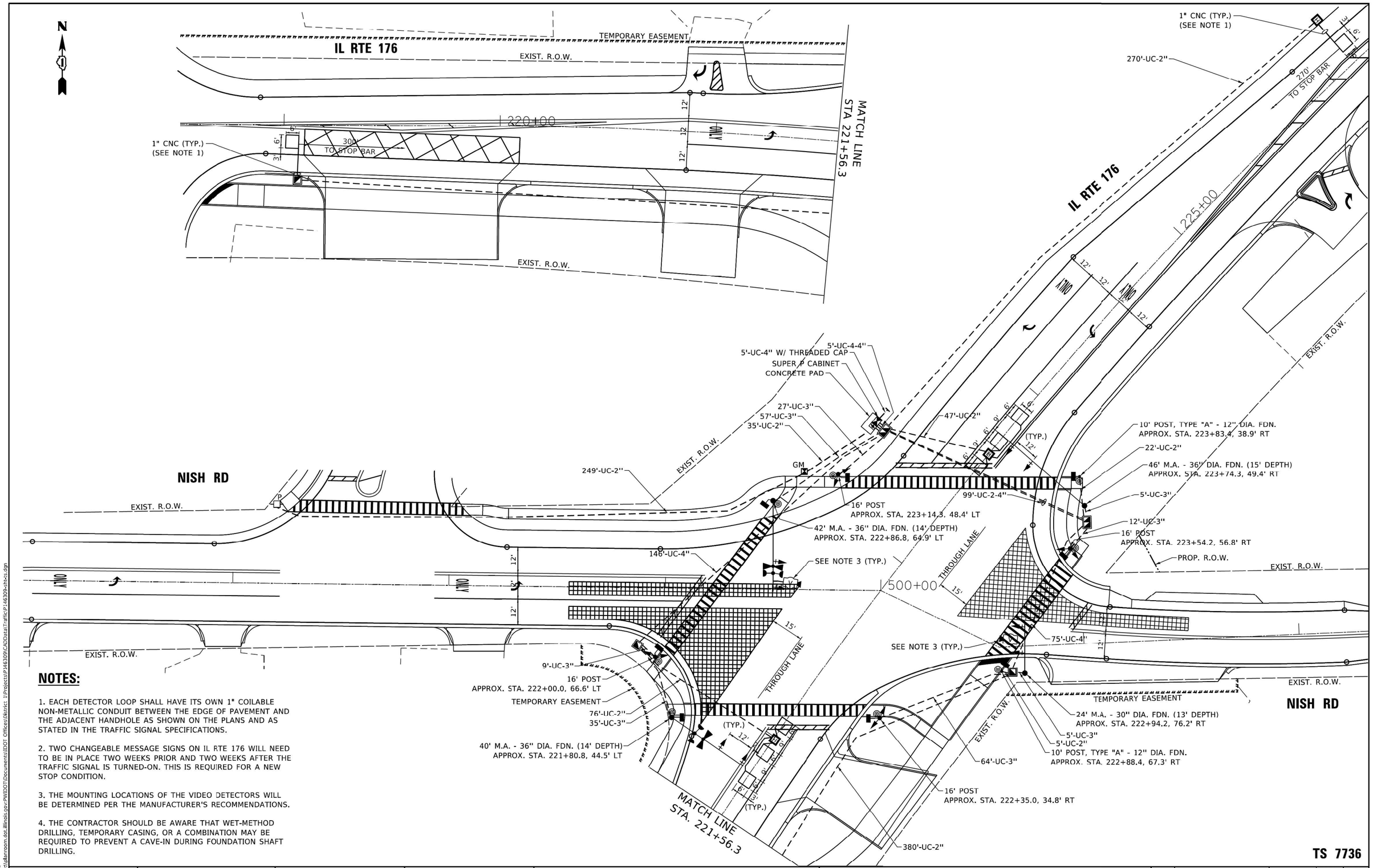
FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.432	0.480	B	0.960	5.446	0.400
C	0.720	4.432	0.720	C	0.800	5.446	0.800
D	0.880	4.432	0.720	D	0.960	5.446	0.800
E	0.880	4.032	0.480	E	0.960	4.962	0.400
F	0.880	4.032	0.240	F	0.960	4.962	0.240
G	0.720	4.432	0.720	G	0.800	5.446	0.800
H	0.880	4.432	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.032	0.880	J	0.240	5.122	0.960
K	0.880	4.432	0.480	K	0.960	5.604	0.400
L	0.880	4.032	0.240	L	0.960	4.962	0.240
M	0.880	5.234	0.880	M	0.960	6.244	0.960
N	0.880	4.432	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.432	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.432	0.480	R	0.960	5.446	0.400
S	0.480	4.432	0.480	S	0.400	5.446	0.400
T	0.240	4.032	0.240	T	0.240	4.962	0.240
U	0.880	4.432	0.880	U	0.960	5.446	0.960
V	0.240	4.952	0.240	V	0.240	6.084	0.240
W	0.240	6.034	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.432	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.032	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.032	0.720	d	0.480	4.802	0.800
e	0.480	4.032	0.320	e	0.480	4.722	0.320
f	0.320	2.430	0.160	f	0.320	2.882	0.160
g	0.480	4.032	0.720	g	0.480	4.802	0.800
h	0.720	4.032	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.032	0.640	n	0.800	4.722	0.720
o	0.480	4.032	0.480	o	0.480	4.882	0.480
p	0.720	4.032	0.480	p	0.800	4.802	0.480
q	0.480	4.032	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.352	0.240	s	0.320	3.762	0.240
t	0.080	2.832	0.080	t	0.080	3.202	0.080
u	0.640	4.032	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.952	0.160	y	0.160	6.004	0.160
z	0.240	3.352	0.240	z	0.240	4.002	0.240
1	0.720	1.630	0.880	1	0.800	2.000	0.960
2	0.480	4.432	0.480	2	0.800	5.446	0.800
3	0.480	4.432	0.480	3	1.440	5.446	0.800
4	0.240	4.952	0.720	4	0.160	6.004	0.960
5	0.480	4.432	0.480	5	0.800	5.446	0.800
6	0.720	4.432	0.720	6	0.800	5.446	0.800
7	0.240	4.432	0.720	7	0.560	5.446	0.560
8	0.480	4.432	0.480	8	0.800	5.446	0.800
9	0.480	4.432	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

TS SHT NO. 8

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USER NAME = kobylkaka	DESIGNED - LP/IP	REVISED - LP 07/01/2015	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS
	DRAWN - LP	REVISED -		
PLOT SCALE = 100.0000 ' / in.	CHECKED - IP	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.
PLOT DATE = 1/19/2021	DATE - 10/01/2014	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	101
	TS-02	CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		



NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

2. TWO CHANGEABLE MESSAGE SIGNS ON IL RTE 176 WILL NEED TO BE IN PLACE TWO WEEKS PRIOR AND TWO WEEKS AFTER THE TRAFFIC SIGNAL IS TURNED-ON. THIS IS REQUIRED FOR A NEW STOP CONDITION.

3. THE MOUNTING LOCATIONS OF THE VIDEO DETECTORS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.

4. THE CONTRACTOR SHOULD BE AWARE THAT WET-METHOD DRILLING, TEMPORARY CASING, OR A COMBINATION MAY BE REQUIRED TO PREVENT A CAVE-IN DURING FOUNDATION SHAFT DRILLING.

TS SHT NO. 9

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USER NAME = kobylkaka	DESIGNED - KK	REVISED - 10-02-2020	
	DRAWN - KK	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - LP	REVISED -	
PLOT DATE = 1/19/2021	DATE - 09/20/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

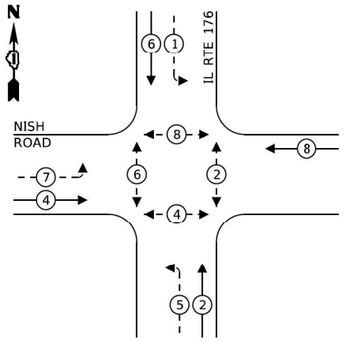
TRAFFIC SIGNAL INSTALLATION PLAN
IL 176 AT NISH ROAD

SCALE: 1"=20' | SHEET OF SHEETS | STA. 119+00.00 | TO STA. 127+00.00

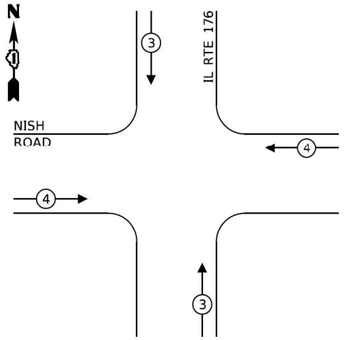
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	102
		CONTRACT NO. 60T15		
		ILLINOIS	FED. AID PROJECT	

TS 7736

PROPOSED CONTROLLER SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP

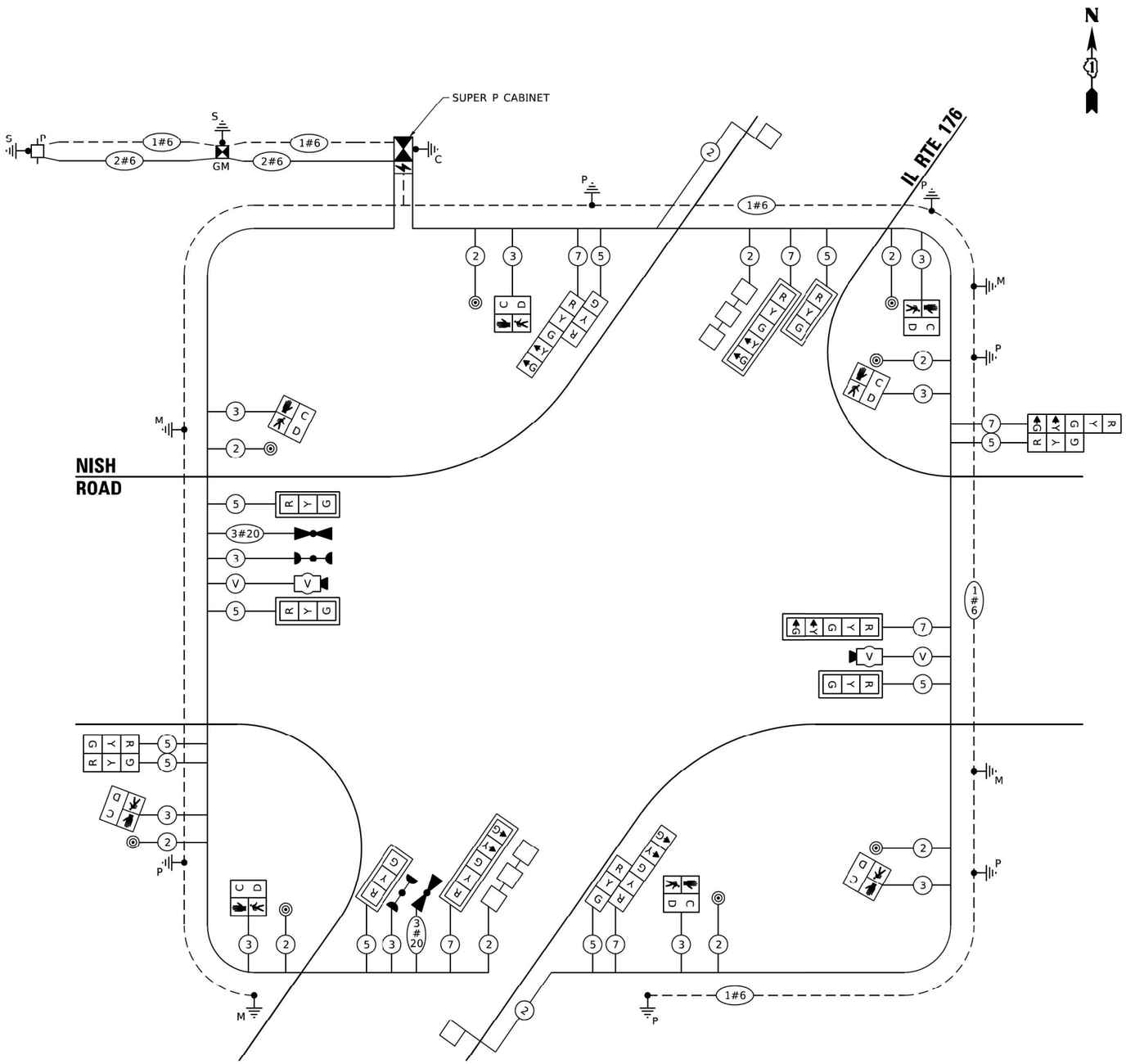
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	86.4
PERMISSIVE ARROW	12	10	10	12.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	637.4

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W CENTER COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: ADAM SADKOWSKI
PHONE: (815)-263-3123
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 32440-75020



CABLE PLAN
(NOT TO SCALE)

TS 7736

TS SHT NO. 10

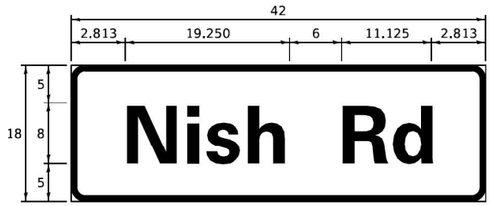
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USER NAME = kobylkaka	DESIGNED - KK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE IL 176 AT NISH ROAD
	DRAWN - KK	REVISED -		
PLOT SCALE = 40.0000 ' / in.	CHECKED - LP	REVISED -		SCALE: 1"=20' SHEET OF SHEETS STA. 119+00.00 TO STA. 127+00.00
PLOT DATE = 1/19/2021	DATE - 09/20/2020	REVISED -		

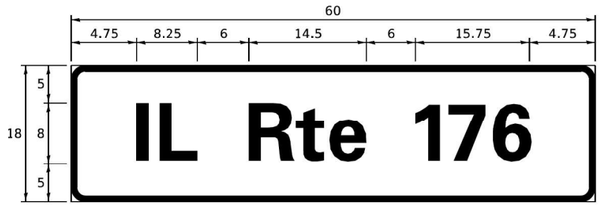
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	103
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	5.25	1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	7.5	1	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNITS	TOTAL QTY
	CHANGEABLE MESSAGE SIGN	CAL DA	60
	SIGN PANEL - TYPE 1	SQ FT	25.5
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,084
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	205
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	444
	HANDHOLE	EACH	3
	HEAVY-DUTY HANDHOLE	EACH	3
	DOUBLE HANDHOLE	EACH	2
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,419
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,877
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,925
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,280
	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,235
	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	317
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,022
	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1
	CONCRETE FOUNDATION, TYPE A	FOOT	20
	CONCRETE FOUNDATION, TYPE C	FOOT	4
	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	13
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	43
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	5
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3
	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8
	INDUCTIVE LOOP DETECTOR	EACH	4
	DETECTOR LOOP, TYPE I	FOOT	246
✱	LIGHT DETECTOR	EACH	2
✱	LIGHT DETECTOR AMPLIFIER	EACH	1
	PEDESTRIAN PUSH-BUTTON	EACH	8
✱	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	406
	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET	EACH	1
	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
	PEDESTRIAN SIGNAL POST, 10 FT	EACH	2
	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2
	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8

✱ 100% COST TO THE NUNDA RURAL FIRE PROTECTION DISTRICT

TS SHT NO. 11

MODEL: Default
FILE NAME: pw:\\utilsroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\P146309\CADData\Traffic\P146309-sht-ts.dgn

TS 7736

USER NAME = kobylkaka	DESIGNED - KK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES IL 176 AT NISH ROAD	
	DRAWN - KK	REVISED -			
PLOT SCALE = 40.0000 ' / in.	CHECKED - LP	REVISED -			
PLOT DATE = 1/19/2021	DATE - 09/20/2020	REVISED -		SCALE: 1"=20' SHEET OF SHEETS STA. 119+00.00 TO STA. 127+00.00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	104
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Bureau of Materials, District

SOIL BORING LOG

Date 12/3/19

ROUTE FAP 335 DESCRIPTION Illinois Rte 176 at Nish Road LOGGED BY M. Esposito

SECTION 146N-2 LOCATION N side of IL 176, SEC. 19, TWP. 44N, RNG. 9E, 3rd PM,
Latitude 42°16'42.5892", Longitude -88°13'43.734"

COUNTY McHenry DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. -
Station -

BORING NO. SB-01
Station 218+51
Offset 40.0 ft LT
Ground Surface Elev. 755.72 ft

Surface Water Elev. NA ft
Stream Bed Elev. NA ft

Groundwater Elev.:
First Encounter 745.7 ft ▼
Upon Completion None ft
After - Hrs. - ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Aggregate Shoulder	754.72			
Brown, Moist GRAVEL	753.22			8
Medium Stiff, Black, Moist, SILTY CLAY		0		
		2 4	0.9 B	27
Stiff, Gray, Moist, SILT	751.22	-5		
		2	1.8	
		1 2	1.0 P	24
Very Stiff, Gray, Moist, CLAY	748.72	3		
		4 5	2.1 B	23
Loose, Brown, Gray, Moist, SANDY LOAM	746.22	▼-10		
	744.72	1		
		1 1	1.0 P	24
Stiff, Brown, Moist, CLAY	744.22			
End of Boring				
		-15		
		-20		

SOIL BORING IL 176 AT NISH.GPJ IL_DOT.GDT 1/13/20

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Bureau of Materials, District

SOIL BORING LOG

Date 12/3/19

ROUTE FAP 335 DESCRIPTION Illinois Rte 176 at Nish Road LOGGED BY M. Esposito

SECTION 146N-2 LOCATION S side of IL 176, SEC. 19, TWP. 44N, RNG. 9E, 3rd PM,
Latitude 42°16'42.5892", Longitude -88°13'43.734"

COUNTY McHenry DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. -
Station -

BORING NO. SB-02
Station 220+41
Offset 18.0 ft RT
Ground Surface Elev. 748.12 ft

Surface Water Elev. NA ft
Stream Bed Elev. NA ft

Groundwater Elev.:
First Encounter 741.1 ft ▼
Upon Completion None ft
After - Hrs. - ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Aggregate Shoulder	747.12			
Stiff, Black, Moist, SILTY CLAY		2		12
		3 4	1.5 B	22
	742.62	-5		
		2	1.2	22
Medium Stiff, Gray, Moist, SILTY LOAM	741.12 ▼	2 2	0.8 P	17
Brown, Fine Grain, Moist, SAND	740.12	4		
Very Stiff, Gray, Moist, CLAY	738.62	7 12	3.4 B	23
Loose, Brown, Coarse Grain, Moist, SAND	-10	4		
	737.12	2 1		
End of Boring				
		-15		
		-20		

SOIL BORING IL 176 AT NISH.GPJ IL_DOT.GDT 1/13/20

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

MODEL: Default
FILE NAME: Z:\18039.20 /STRL & _30 IRDY IDOT D1 PTB 187-006 W020 IL 176-Nish Rd\ed\DGN\Design\Preliminary\Retrieved\d1016015-sht-borings.dgn

USER NAME = RGall	DESIGNED - RG	REVISED -	
	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 2/5/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
SOIL BORINGS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	105
		CONTRACT NO. 60T15		
		ILLINOIS FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Bureau of Materials, District

SOIL BORING LOG

Date 12/12/19

ROUTE FAP 335 DESCRIPTION Illinois Rte 176 at Nish Road LOGGED BY M. Esposito

SECTION 146N-2 LOCATION SW corner of IL 176 and Nish Rd, SEC. 19, TWP. 44N, RNG. 9E, 3rd PM, Latitude 42°16'42.5892", Longitude -88°13'43.734"

COUNTY McHenry DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. -
Station -

BORING NO. SB-03
Station 222+04
Offset 39.0 ft LT
Ground Surface Elev. 742.86 ft

Surface Water Elev. NA ft
Stream Bed Elev. NA ft

Groundwater Elev.:
First Encounter 735.9 ft ▼
Upon Completion None ft
After - Hrs. - ft

DEPTH (ft)	Description	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	Brown, Moist, LOAM with gravel			
740.86				12
	Stiff, Brown and Gray Mottled, Moist, SILTY CLAY	2		
		2 4	1.9 B	26
738.36				
-5	Stiff, Brown, Moist, SILTY CLAY LOAM	5		
736.86		8	1.2	17
	Brown, Moist, SILT	10	S at 10%	
735.86 ▼				
	Brown, Coarse Grain, Moist, SAND	5		
734.86				
	Very Stiff, Brown, Moist, CLAY	4 5	2.2 B	12
-10		12		
	encountered cobble at 10.5 feet	25 33		15
730.86				
	Very Stiff to Hard, Brown, Moist, SILTY CLAY	13		
		18 23	3.1 S at 6%	7
-15		14		
		21 26	8.2 S at 14%	7
		10		
		22 28	2.6 B	9
-20				
-25	Very Stiff to Hard, Brown, Moist, SILTY CLAY *(continued)*	11		
		31 38	3.9 B	11
		10		
		18 23	4.3 B	9
		7		
		15 33	3.1 S at 13%	8
		8		
		20 21	4.0 B	8
-30		8		
		18 31	8.5 B	8
711.36				
	End of Boring			
-35				
-40				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Bureau of Materials, District

SOIL BORING LOG

Date 1/3/20

ROUTE FAP 335 DESCRIPTION Illinois Rte 176 at Nish Road LOGGED BY M. Esposito

SECTION 146N-2 LOCATION NW corner of IL 176 and Nish Rd, SEC. 19, TWP. 44N, RNG. 9E, 3rd PM, Latitude 42°16'42.5892", Longitude -88°13'43.734"

COUNTY McHenry DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. -
Station -

BORING NO. SB-04
Station 223+52
Offset 39.0 ft LT
Ground Surface Elev. 741.76 ft

Surface Water Elev. NA ft
Stream Bed Elev. NA ft

Groundwater Elev.:
First Encounter None ft
Upon Completion None ft
After - Hrs. - ft

DEPTH (ft)	Description	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	Black, Moist, Loam (TOPSOIL)			
739.76				30
	Medium Stiff, Brown, Moist, SILTY CLAY	1		
		3 4		25
-5		0		
735.76		0 2	0.5 B	22
	Loose, Brown, Moist, SANDY LOAM	1		
733.26		2 3	0.5 P	28
	Stiff, Brown, Moist, SILT	1		
-10				
730.26		2 4	1.0 P	27
	End of Boring			
-15				
-20				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

SOIL BORING IL 176 AT NISH.GPJ IL_DOT.GDT 1/13/20

MODEL: Default
FILE NAME: 21-18039-20 (STRI & .30 IRDY) IDOT D1 PTB 187-006 W020 IL 176-Nish Road\DGN\Design\Prelim\Plates\sheets\D160715-sht-borings.dgn

USER NAME = RCall	DESIGNED - RG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 2/5/2021	DATE -	REVISED -	

IL 176 AT NISH RD
SOIL BORINGS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	106
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

Illinois Department of Transportation

Division of Highways
Bureau of Materials, District

SOIL BORING LOG

Date 12/26/19

ROUTE FAP 335 **DESCRIPTION** Illinois Rte 176 at Nish Road **LOGGED BY** M. Esposito

SECTION 146N-2 **LOCATION** NE corner of IL 176 and Nish Rd, **SEC.** 19, **TWP.** 44N, **RNG.** 9E, 3rd **PM**,
Latitude 42°16'42.5892", **Longitude** -88°13'43.734"

COUNTY McHenry **DRILLING METHOD** HSA **HAMMER TYPE** Auto

STRUCT. NO. -
Station -

BORING NO. SB-05
Station 223+64
Offset 23.0 ft RT
Ground Surface Elev. 742.26 ft

Surface Water Elev. NA ft
Stream Bed Elev. NA ft

Groundwater Elev.:
First Encounter 735.3 ft ▼
Upon Completion None ft
After - **Hrs.** - ft

Material	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Aggregate Shoulder 741.76				
Gray, Moist, LOAM 740.76				
Stiff, Black and Brown, Moist, SILTY CLAY		2		11
		3 4	1.9 B	26
737.76				
Brown, Moist, LOAM 736.76	-5	2		
Loose, Brown, Coarse Grain, Moist, SAND ▼		2 3		23
734.26		2		
Medium Stiff, Brown, Moist, SILT 732.76		3 4	0.5 P	25
Stiff, Brown, Moist, LOAM	-10	4		
		6 4	1.0 P	18
730.26				
Medium Dense, Brown, Fine Grain, Moist, SAND		2		
		5 5		22
727.76				
Stiff, Gray, Moist, SILT	-15	4		
		7 5		23
725.26				
Medium Dense to Dense, Gray, Moist, GRAVEL		7		
		6 7		9
	-20			

Material	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium Dense to Dense, Gray, Moist, GRAVEL *(continued)*		6		
		13 21		15
		39		
		50		15
717.76				
Very Stiff to Hard, Brown, Moist, SILTY CLAY	-25	25		
		35 44	10.5 S at 6%	9
		21		
		35 39	2.6 B	11
	-30	10		
		19 30	8.8 B	16
710.76				
End of Boring				
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

SOIL BORING IL 176 AT NISH.GPJ IL_DOT.GDT 1/13/20

Illinois Department of Transportation

Division of Highways
Bureau of Materials, District

SOIL BORING LOG

Date 1/3/20

ROUTE FAP 335 **DESCRIPTION** Illinois Rte 176 at Nish Road **LOGGED BY** M. Esposito

SECTION 146N-2 **LOCATION** N side of Nish Rd, **SEC.** 19, **TWP.** 44N, **RNG.** 9E, 3rd **PM**,
Latitude 42°16'42.5892", **Longitude** -88°13'43.734"

COUNTY McHenry **DRILLING METHOD** HSA **HAMMER TYPE** Auto

STRUCT. NO. -
Station -

BORING NO. SB-06
Station 400+82
Offset 5.0 ft RT
Ground Surface Elev. 741.14 ft

Surface Water Elev. NA ft
Stream Bed Elev. NA ft

Groundwater Elev.:
First Encounter 731.1 ft ▼
Upon Completion None ft
After - **Hrs.** - ft

Material	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hot Mix Asphalt 740.64				
Aggregate Subgrade 740.14				
Brown, Moist, GRAVEL 739.14				8
Medium Stiff, Black, Moist, SILTY CLAY		2		
737.64		1 2	0.7 B	21
Medium Stiff to Stiff, Gray and Mottled Gray, Moist, CLAY	-5	0		
		1 2	1.5 B	28
733.64				
Loose, Gray, Moist, SAND		0 2		25
731.14 ▼	-10	1		
Loose, Gray, Moist, GRAVEL 729.64		2 3		20
End of Boring				
	-15			
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

SOIL BORING IL 176 AT NISH.GPJ IL_DOT.GDT 1/13/20

MODEL: Default
FILE NAME: Z:\18039.20 (STR) & .30 (HDY) IDOT D1 PTB 187-006 W020 IL 176-Nish Rosell\DGN\Design\Pell\mPlots\sheets\D160T15-cht-borings.dgn

USER NAME = RCall	DESIGNED - RG	REVISED -	
	DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 2/5/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176 AT NISH RD
SOIL BORINGS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	107
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 355-2848

GSI Job No. 16131-E

SOIL BORING LOG

Page 1 of 1

Date 7/28/20

ROUTE IL-176 DESCRIPTION Proposed from Storm Sewer Installation Project at Il-176 & Nish Rd. LOGGED BY TZ

SECTION LOCATION NW 1/4, SEC. 19, TWP. T44N, RNG. R9E, 3rd PM

COUNTY McHenry DRILLING METHOD HSA/Rotary HAMMER TYPE CME Automatic

STRUCT. NO.
Station

BORING NO. B-08
Station 226+53
Offset 15.30ft Right
Ground Surface Elev. 746.00 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 730.0 ft ▼
Upon Completion 733.0 ft ▽
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
4.5" ASPHALT, 9.75" CONCRETE				SILT-brown-loose to medium dense *(continued)*			
744.81					5		
CLAYEY SAND & GRAVEL-brown-medium dense (Fill)	6				4		18
	10		8		4		
	11						
743.00							
SANDY CLAY LOAM-dark brown & gray spotted black-very stiff (Fill)	5				5		
	9	2.5	9		8		18
-5	11	P		-25	8		
	8				4		
	9	3.0	15		5		21
	19	P			5		
738.00							
CLAY LOAM-dark brown & gray spotted black-very stiff (Fill)	2				3		
	3	1.7	24		4		19
becoming gray @ -10.0' -10	4	B		716.00 -30	4		
735.50				End Of Boring @ -30.0'. Boring Backfilled With Cuttings.			
SILTY LOAM-brown-loose	3						
	3		15				
	6						
733.00 ▽							
SILT-brown-loose to medium dense	4						
	7		15				
-15	9			-35			
▼	7						
	10		21				
	10						
	8						
	9		18				
-20	8			-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206), GP-Geoprobe Hand Auger
BBS, from 137 (Rev. 8-99)

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 355-2848

GSI Job No. 16131-E

SOIL BORING LOG

Page 1 of 1

Date 7/28/20

ROUTE IL-176 DESCRIPTION Proposed from Storm Sewer Installation Project at Il-176 & Nish Rd. LOGGED BY TZ

SECTION LOCATION NW 1/4, SEC. 19, TWP. T44N, RNG. R9E, 3rd PM

COUNTY McHenry DRILLING METHOD HSA/Rotary HAMMER TYPE CME Automatic

STRUCT. NO.
Station

BORING NO. B-09
Station 494+85
Offset 9.50ft Left
Ground Surface Elev. 745.37 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 738.4 ft ▼
Upon Completion 739.4 ft ▽
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
9.0" ASPHALT, 3.0" SAND & GRAVEL-brown				SILT-brown-loose to medium dense *(continued)* becoming gray @ -20.5'			
744.37					6		
CLAY LOAM-dark brown-stiff (Fill)	4				8		23
	3	2.1	17		8		
	4	B					
742.37							
SAND & GRAVEL-brown-loose to medium dense	3				4		
	4		4		5		19
-5	5			-25	6		
▽							
	6				3		
▼	10		5		4		16
	12				5		
737.37				717.37			
SAND-brown-medium dense	4			SILTY SAND & GRAVEL-gray-medium dense	5		
	6		19		7		9
-10	6			715.37 -30	8		
734.87				End Of Boring @ -30.0'. Boring Backfilled With Cuttings.			
SILT-brown-loose to medium dense	4						
	5		26				
	5						
	6						
	7		21				
-15	6			-35			
	6						
	8		21				
	9						
	4						
	6		20				
-20	7			-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206), GP-Geoprobe Hand Auger
BBS, from 137 (Rev. 8-99)

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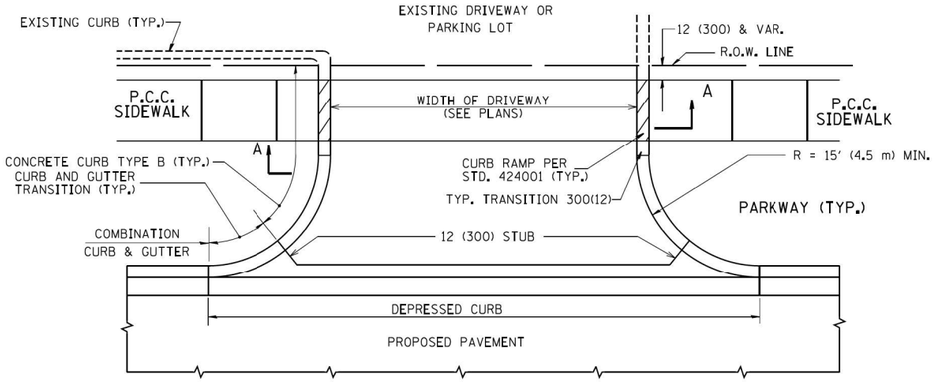
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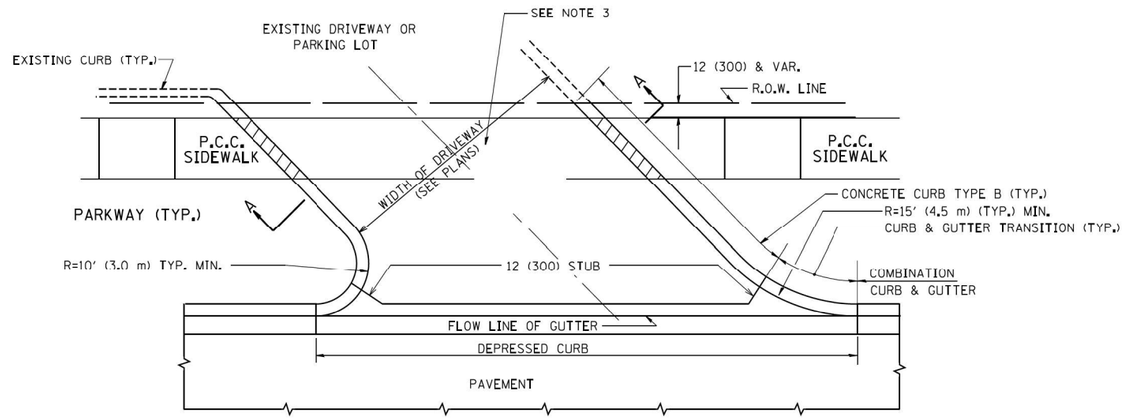
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PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -		
PLOT DATE = 2/5/2021	DATE -	REVISED -		

SCALE: SHEET OF SHEETS STA. TO STA.

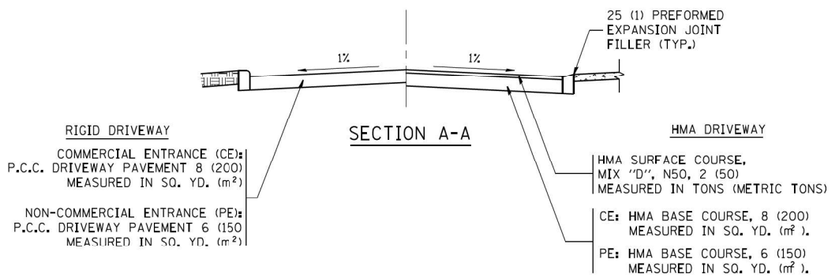
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	108
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

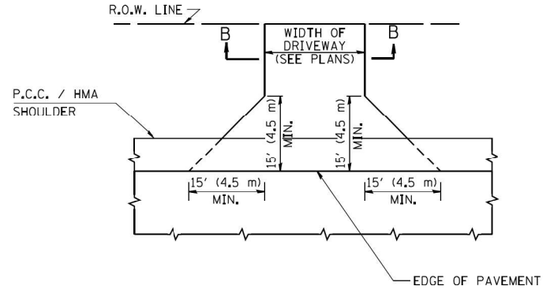


WITH CONCRETE CURB, TYPE B

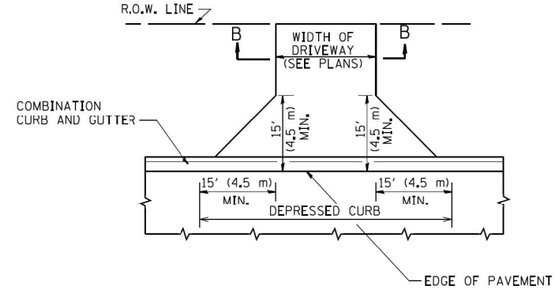


WITH CONCRETE CURB, TYPE B

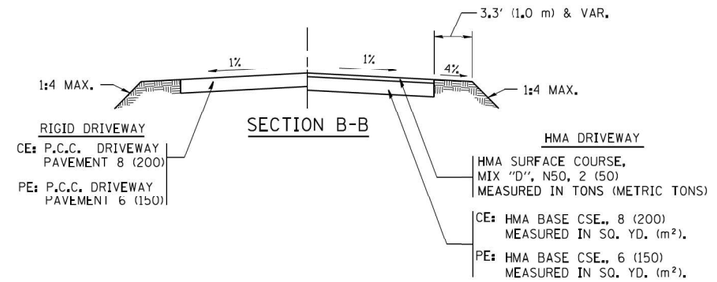




ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



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.

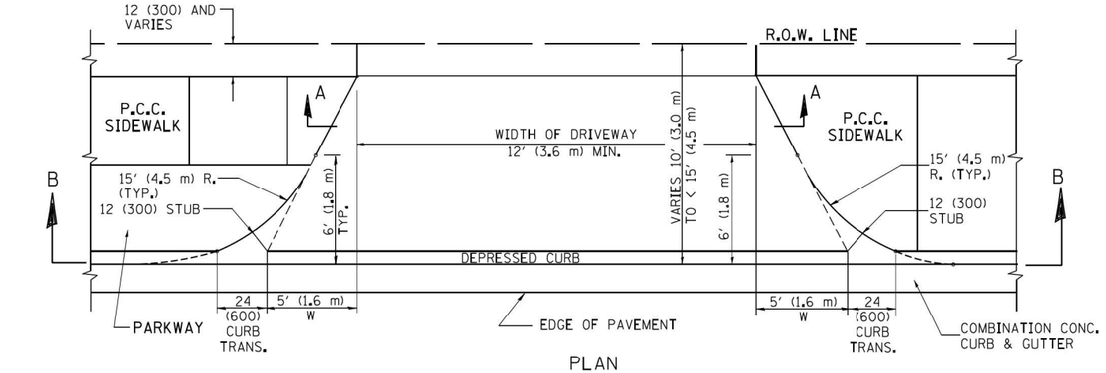
COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

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.

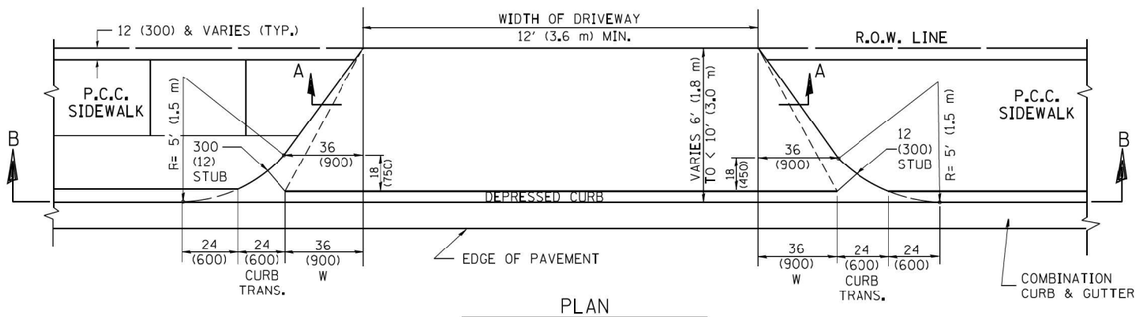
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		DRAWN -	REVISED - R. BORO 01-01-07				335	146N-2	MCHENRY	135	109
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - R. BORO 06-11-08					BD0156-07 (BD-01)		CONTRACT NO. 60T15	
	PLOT DATE = 9/6/2011	DATE - 11-04-95	REVISED - R. BORO 09-06-11		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.		FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	

bd01.dgn 9/6/2011 11:50:24 AM User:leysa



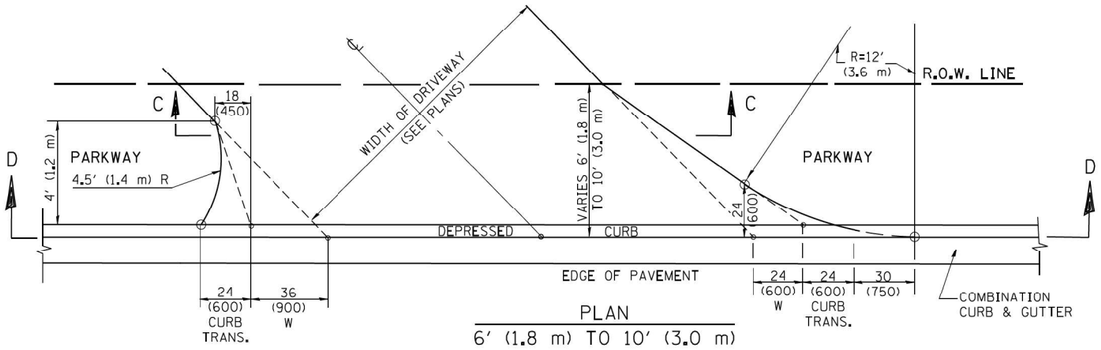
PLAN

10' (3.0 m) TO < 15' (4.5 m)



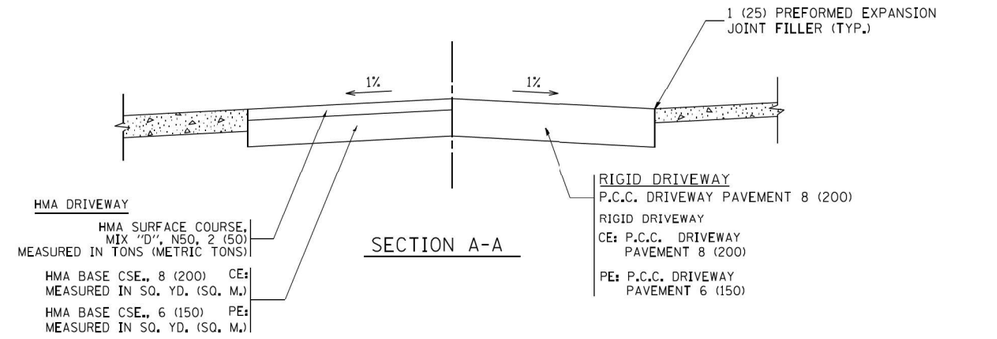
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6' (1.8 m) TO < 10' (3.0 m)

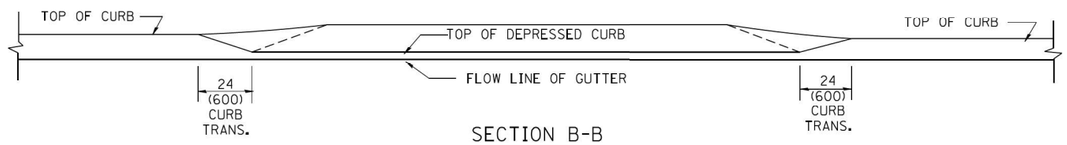


PLAN

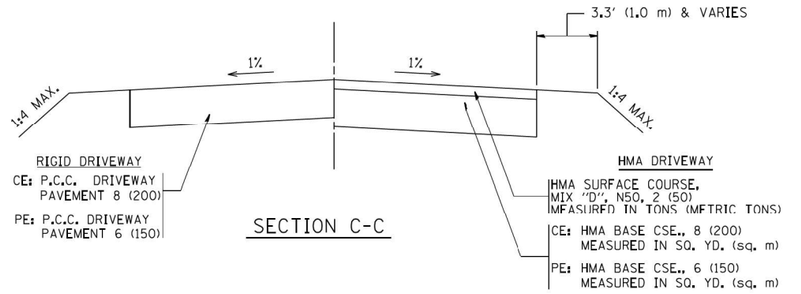
6' (1.8 m) TO 10' (3.0 m)



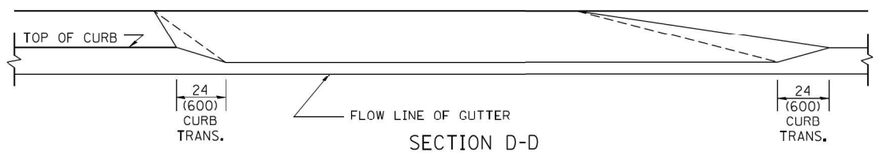
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

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 ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF 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.

THE 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.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

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	PLOT DATE = 10/28/2011	DATE - 11-06-95	REVISED - R. BORO 09-06-11

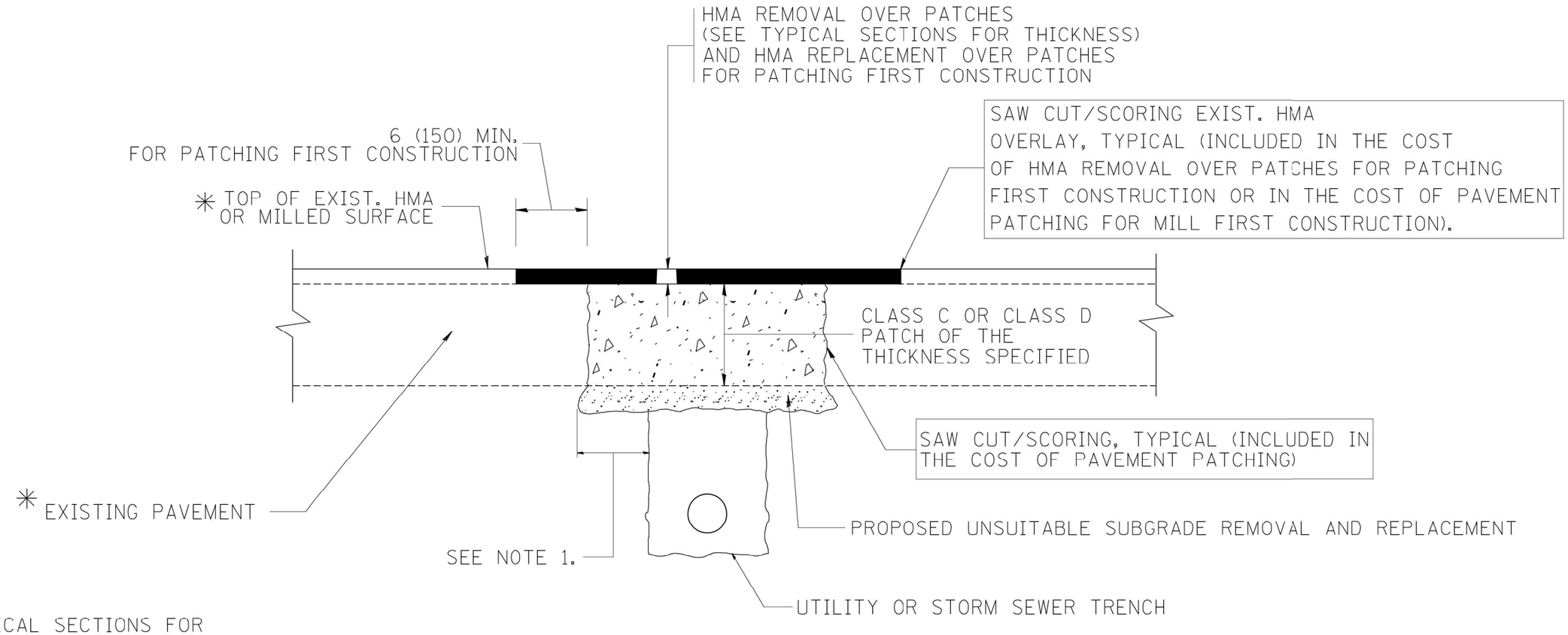
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	110
	BD400-02 (BD-02)	CONTRACT NO. 60T15		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

bd02.dgn 10/28/2011 1:00:32 PM User:leyse



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

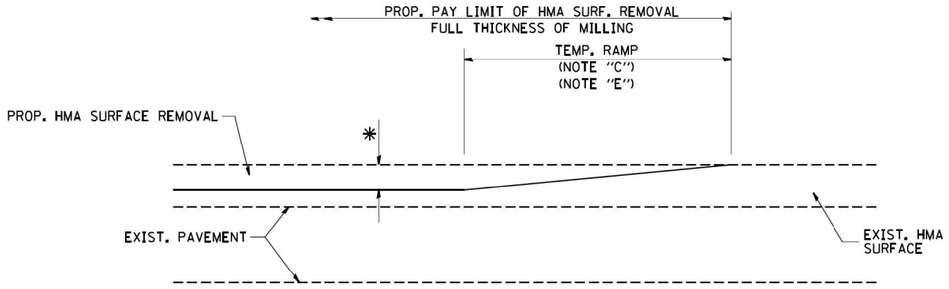
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST $4\frac{1}{2}$ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

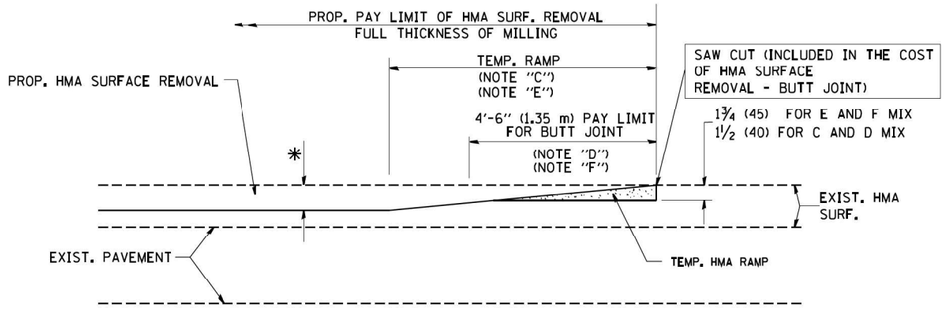
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	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - R. BORO 09-04-07			BD400-04 (BD-22)		CONTRACT NO. 60T15		
	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

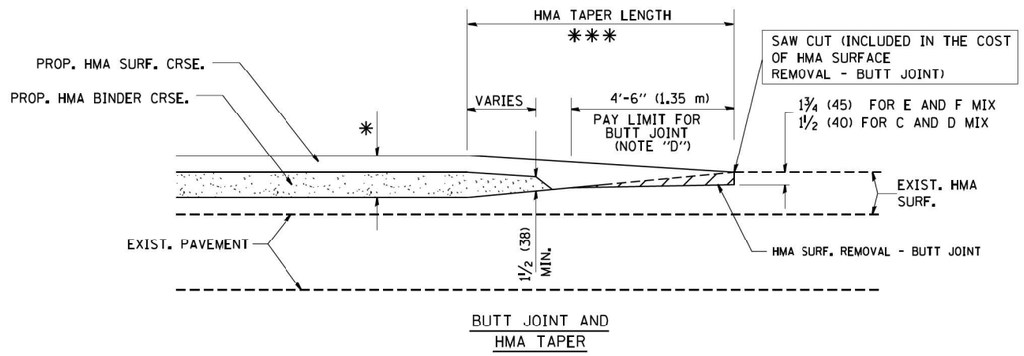


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

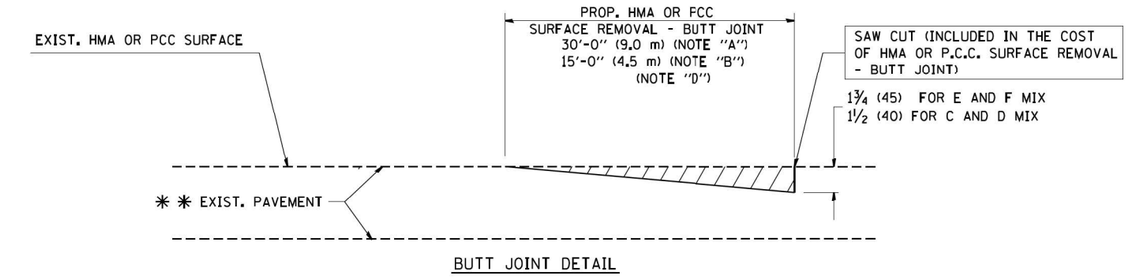
OPTION 2

TYPICAL TEMPORARY RAMP

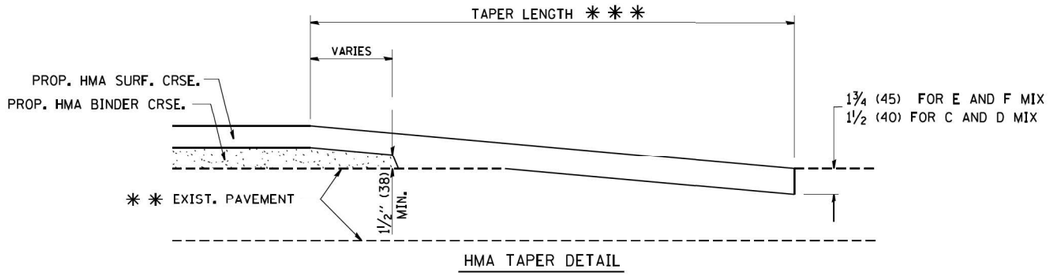


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER 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.

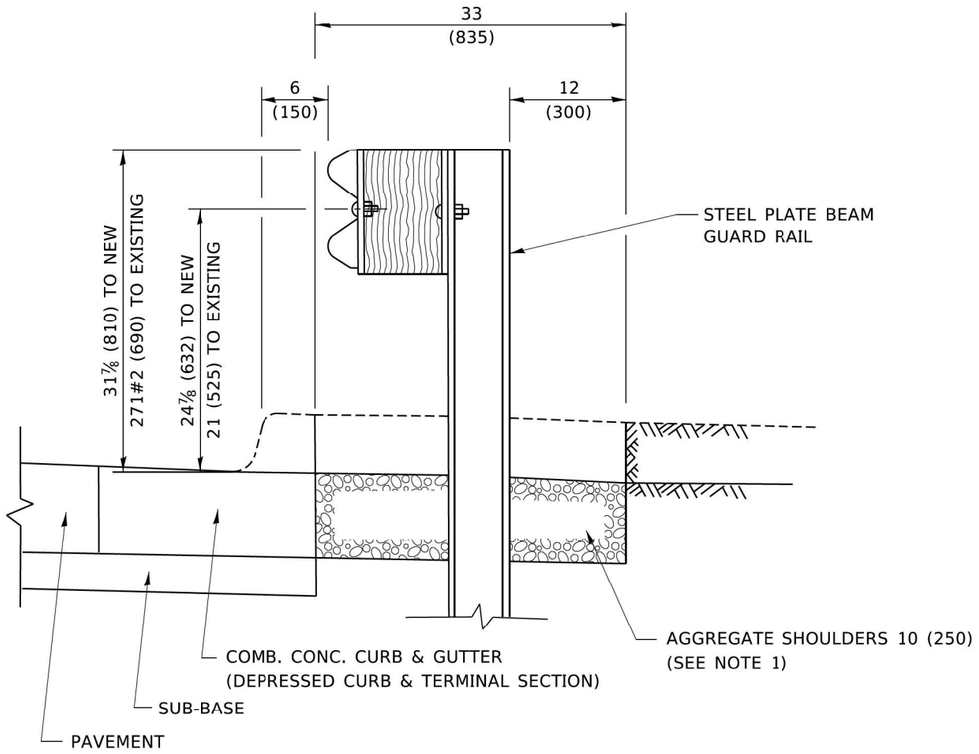
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

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	DATE - 06-13-90	REVISED - R. BORO 01-01-07		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.		FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	

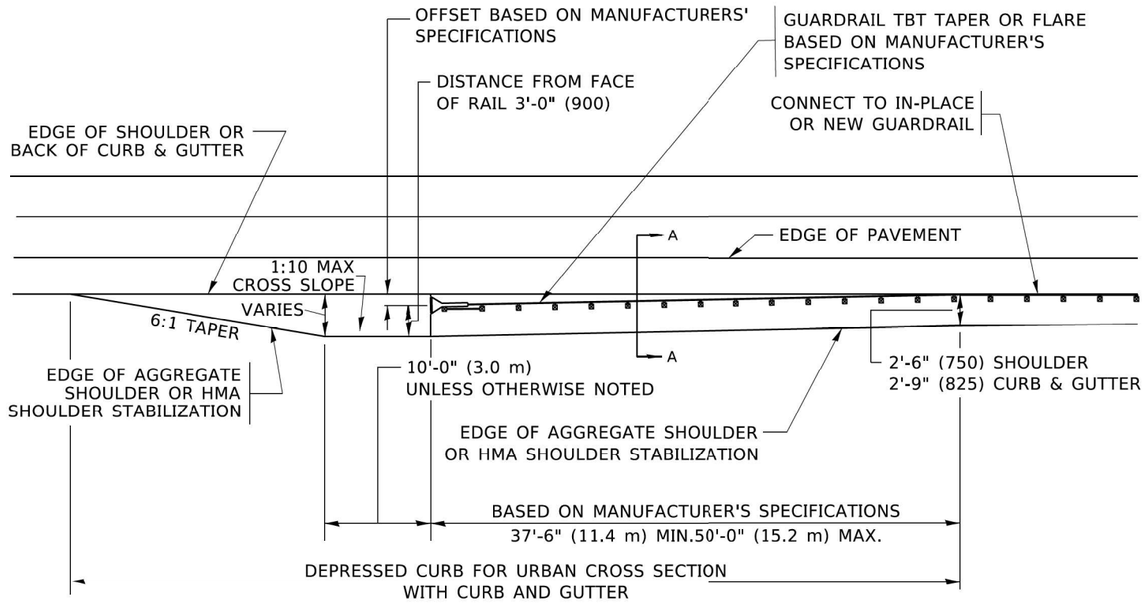


SECTION A–A

NOTES:

1. THE AGGREGATE SHOULDER, 10 (250) OR HMA SHOULDER, 6 (150) (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION HEIGHT TO BE PLACED MUST MATCH THE HEIGHT OF THE IN-PLACE GUARDRAIL.

DETAILS FOR STEEL PLATE BEAM GUARD RAIL ADJACENT TO CURB AND GUTTER [FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]



DEPRESSED CURB AND GUTTER AND SHOULDER TREATMENT AT TBT TY. 1 SPL.

AGGREGATE SHOULDER, 10 (250) WILL BE PAID ACCORDING TO SECTION 481.

HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID ACCORDING TO SECTION 482.

COMB. CONC. C&G, STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

TBT = TRAFFIC BARRIER TERMINAL

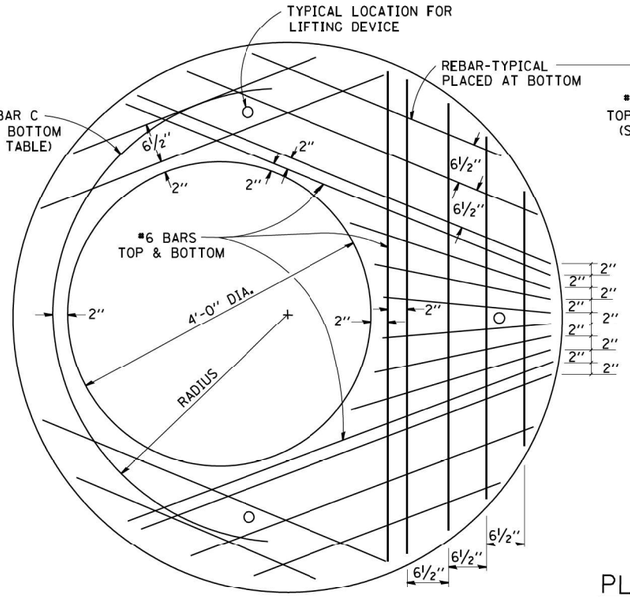
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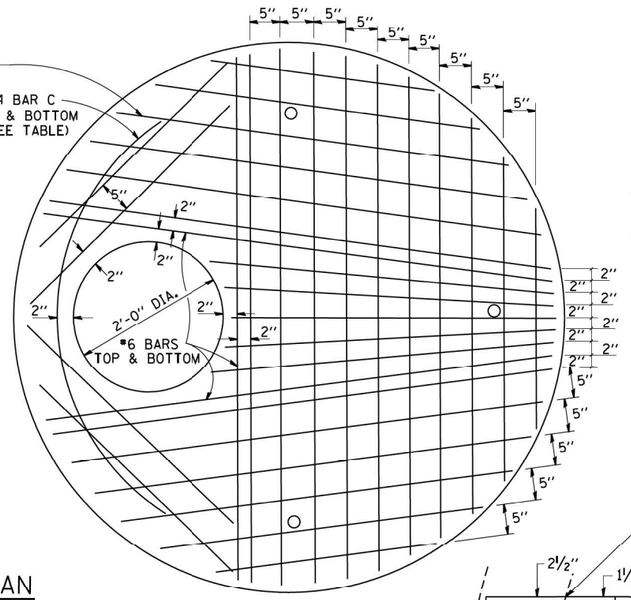
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	DRAWN -	REVISED - R. BORO 09-14-2009			
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - R. BORO 08-06-2012			
PLOT DATE = 3/27/2019	DATE - 09-22-90	REVISED - R. BORO 05-08-2015		SCALE: NONE / SHEET 1 OF 1 SHEETS / STA. / TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD600–10 (BD 34)		CONTRACT NO. 60T15		
ILLINOIS	FED. AID PROJECT			

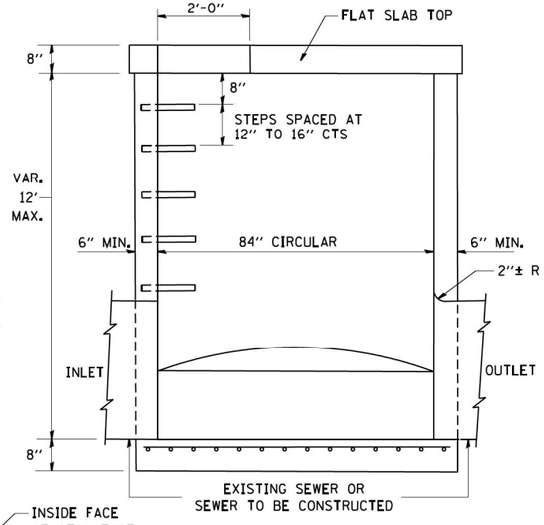
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PLAN

SHOWING REBAR REINFORCEMENT



ELEVATION

GENERAL NOTES

ALTERNATE MATERIAL FOR THE WALLS MAY BE CONCRETE MASONRY UNITS, PRECAST REINFORCED CONCRETE SECTIONS OR CAST-IN-PLACE CONCRETE. THE CAST IRON STEPS AS DETAILED HEREON ARE TYPICAL. STEPS OF OTHER DESIGN AND MATERIAL THAT CONFORM TO THE MINIMUM REQUIREMENTS OF THE STEPS SHOWN MAY BE USED WHEN APPROVED BY THE ENGINEER.

CAST IRON STEPS SHALL BE GRAY IRON CONFORMING TO THE REQUIREMENTS OF ARTICLE 1006.14 OF THE STANDARD SPECIFICATIONS.

STEPS SHALL BE EMBEDDED INTO THE WALL A MINIMUM OF THREE (3) INCHES. STEPS SHALL NOT BE EXTENDED ON THE OUTSIDE.

STEPS SHALL BE OMITTED FOR WORK IN COOK COUNTY WHEN THE DEPTH OF THE MANHOLE IS TEN (10') OR LESS.

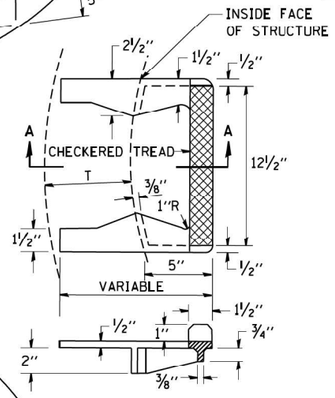
IN ADDITION TO THE REQUIREMENTS OF ARTICLE 612.13 OF THE STANDARD SPECIFICATIONS, THE CONTRACT UNIT PRICE FOR MANHOLES, TYPE A, 7'-DIAMETER SHALL INCLUDE THE SAND CUSHION WHEN REQUIRED, FURNISHING AND INSTALLING STEPS WHEN REQUIRED, FURNISHING AND COMPACTING THE SPECIFIED BACKFILL MATERIAL, AND FURNISHING AND INSTALLING FLAT SLAB TOP.

PRECAST FLAT SLAB TOP SHALL CONFORM TO ARTICLES 505.01 THRU 505.05 OF THE STANDARD SPECIFICATIONS EXCEPT THAT THE CONCRETE STRENGTH SHALL BE 4,000 PSI AFTER 28 DAYS. REINFORCEMENT BARS AND WELDED WIRE FABRIC SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 1006.10. ONLY GRADE 60 REINFORCEMENT BARS WILL BE PERMITTED.

BOTTOM SLAB SHALL BE REINFORCED BY EITHER REINFORCEMENT BARS OR WELDED WIRE FABRIC. THE MINIMUM REINFORCEMENT SHALL BE 0.46 SQUARE INCH PER LINEAR FOOT IN BOTH DIRECTIONS.

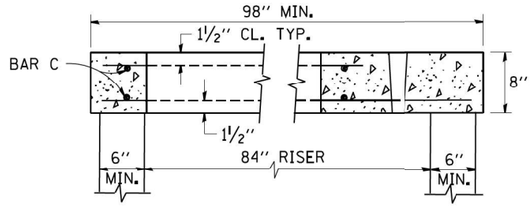
JOINT CONFIGURATION AND DIMENSIONS OF FLAT SLAB TOP SHALL MATCH AND FIT THE RISER JOINT DETAIL.

LIFTING DEVICES SHALL BE APPROVED BY THE ENGINEER.

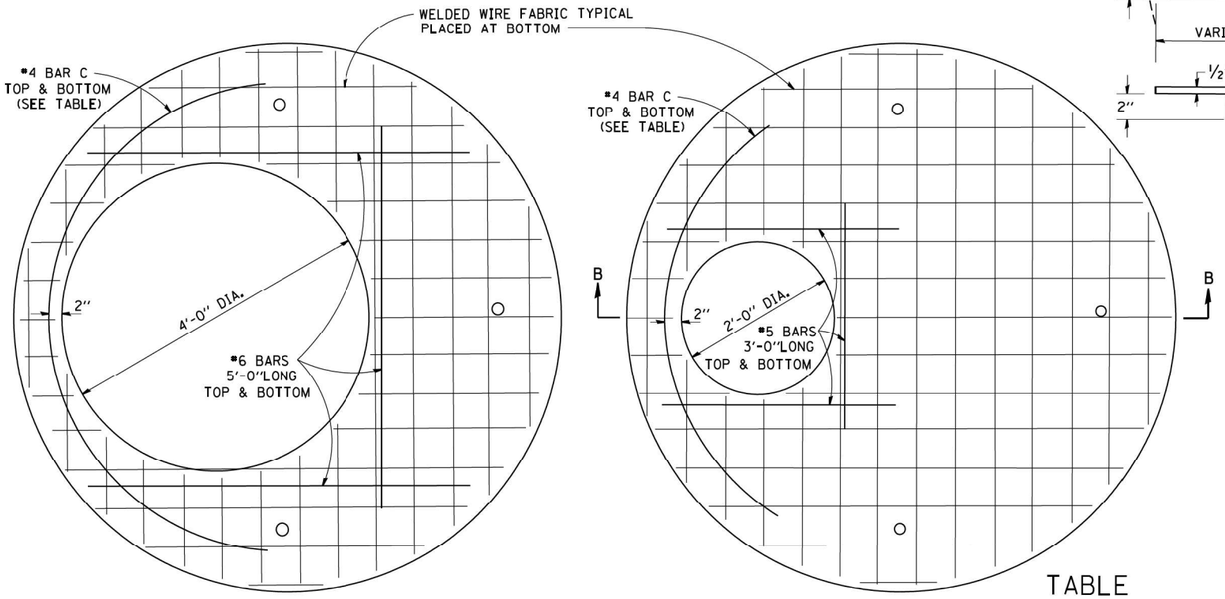


SEC. A-A

CAST IRON STEPS



SECTION B-B



PLAN

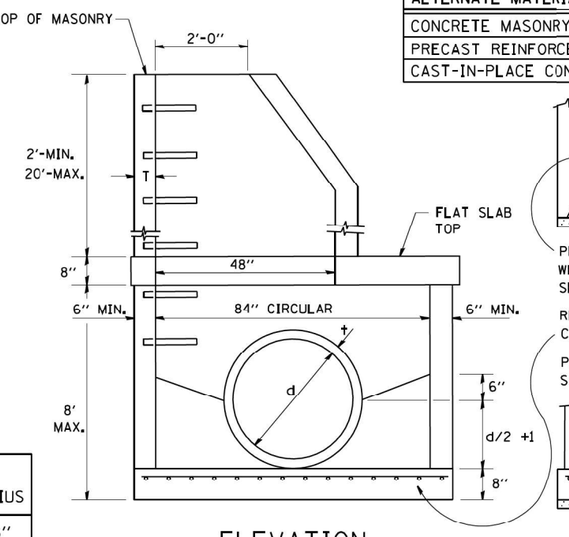
SHOWING WELDED WIRE FABRIC REINFORCEMENT

NOTE: THIS STRUCTURE SHOULD BE USED WITH PIPES SIZE 54" DIA. OR SMALLER.

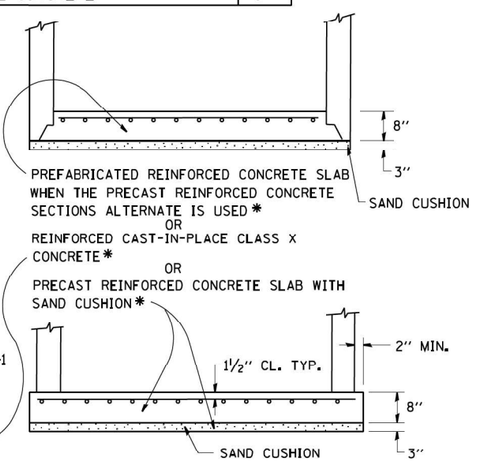
ALTERNATE MATERIALS FOR RISERS	T (MIN.)
CONCRETE MASONRY UNITS	5"
PRECAST REINFORCED CONCRETE SECTIONS	4"
CAST-IN-PLACE CONCRETE	6"

TABLE

DIAMETER OF OPENING	REINFORCEMENT "AS" WWF OR EACH DIRECTION	BAR SIZE	BAR C SIZE	BAR C LENGTH	BAR C RADIUS
2'-0"	1.06 SQ.IN./LIN.FT.	#6	#4	6'-0"	38"
4'-0"	0.82 SQ.IN./LIN.FT.	#6	#4	9'-0"	38"



ELEVATION



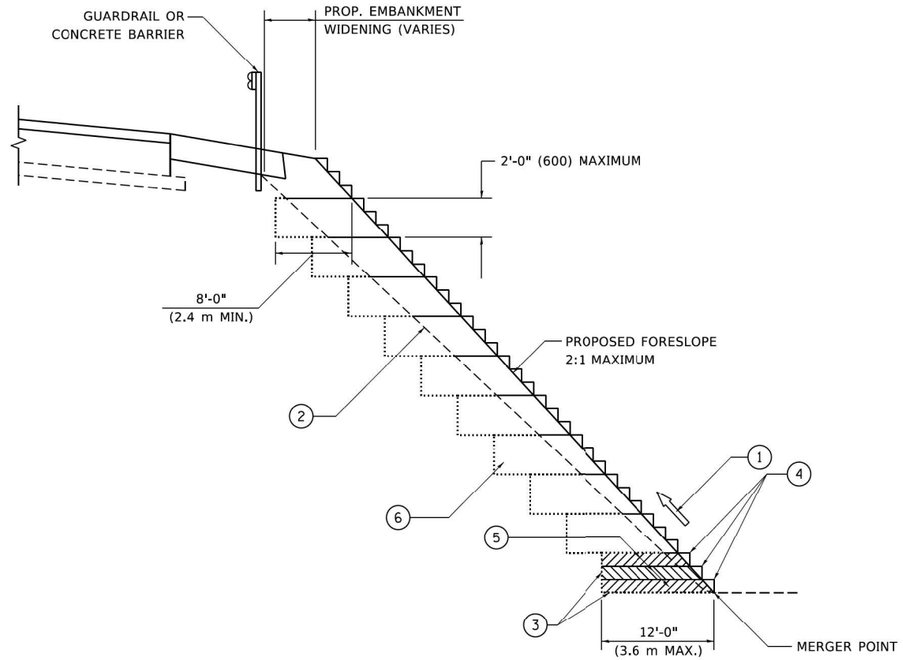
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MANHOLE TYPE A
7 FOOT DIAMETER

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	114
	BD600-11 (BD-37)	CONTRACT NO. 60T15		
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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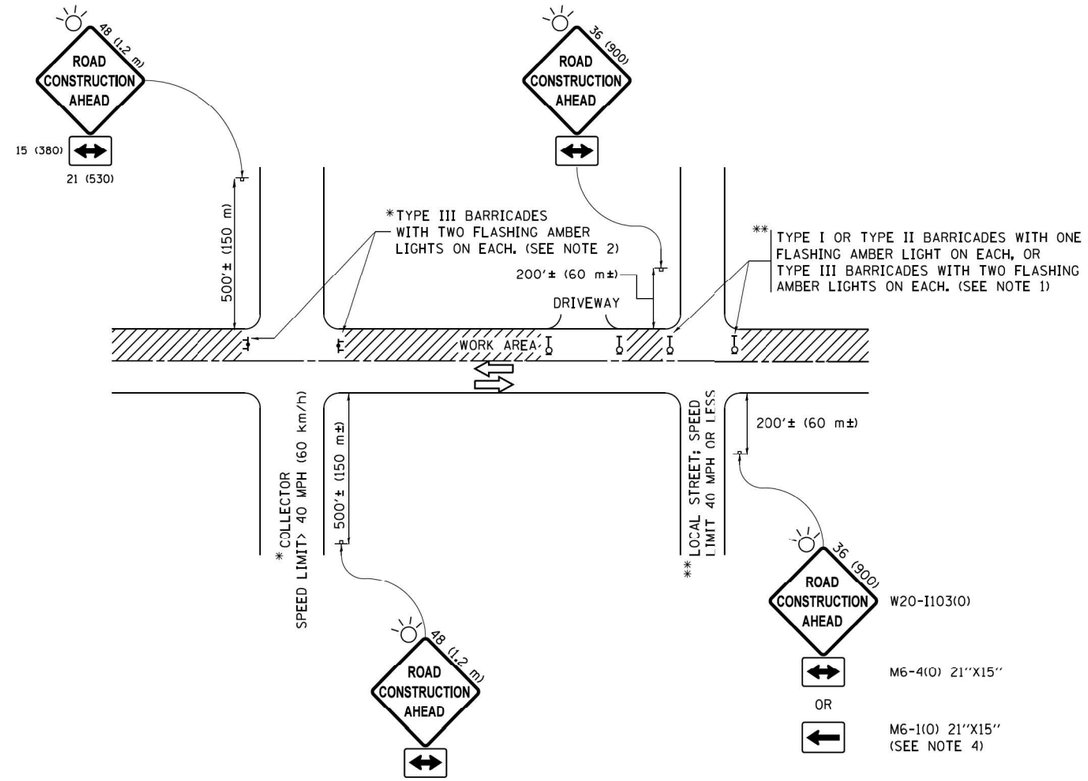
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BENCHING DETAIL
FOR EMBANKMENT WIDENING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	115
	BD-51	CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

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NOTES:

1. 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:
   a) 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.
   b) 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.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) 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.
   b) 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.
3. 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.
4. 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).
5. 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.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. 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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Default	PLOT DATE = 9/15/2016	DRAWN -	REVISED - A. SCHUETZE 07-01-13
		DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

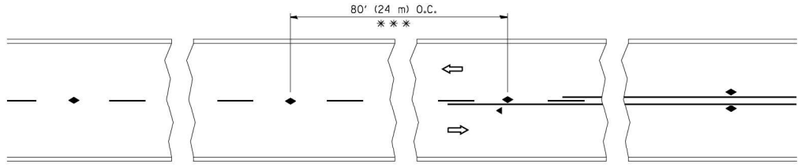
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

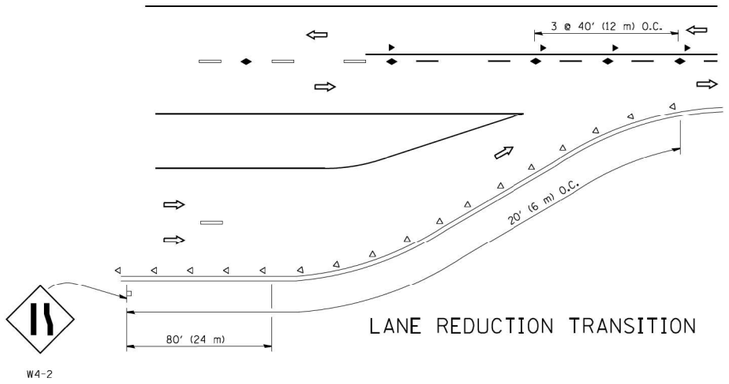
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	TC-10	CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

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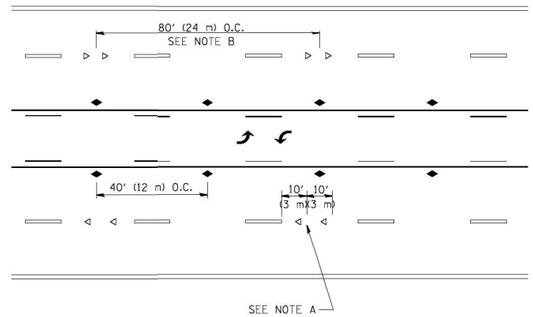


* * * REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

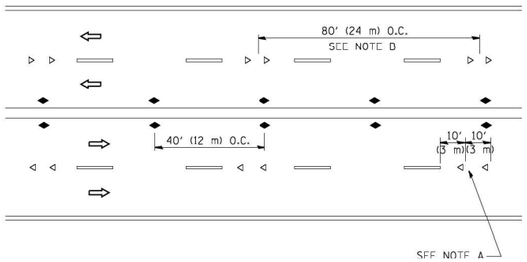
TWO-LANE/TWO-WAY



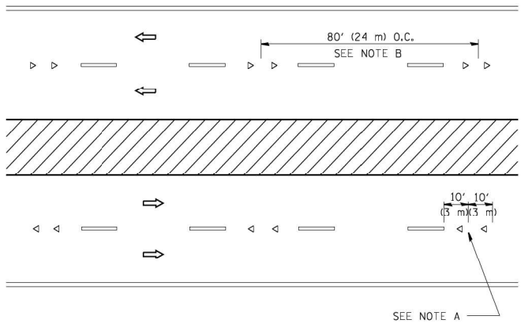
LANE REDUCTION TRANSITION



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

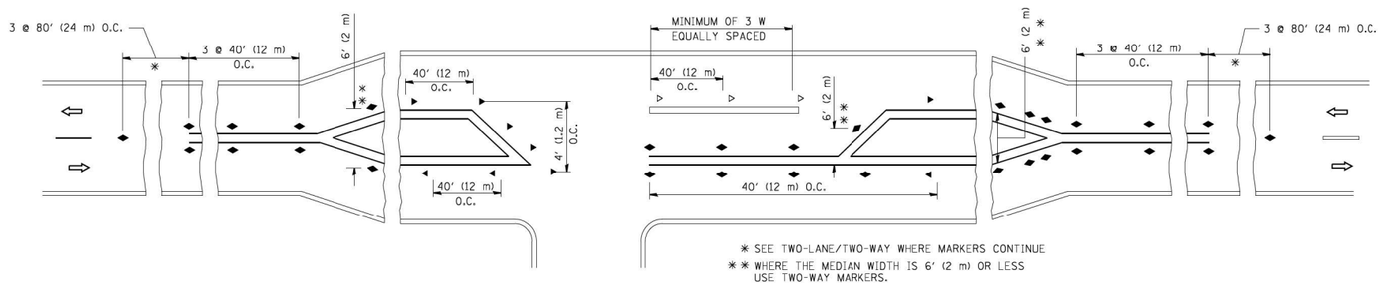
LANE MARKER NOTES

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.



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

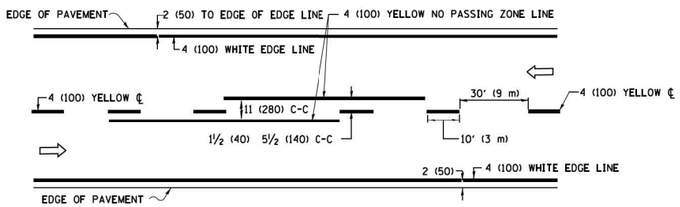
* * WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

LEFT TURN

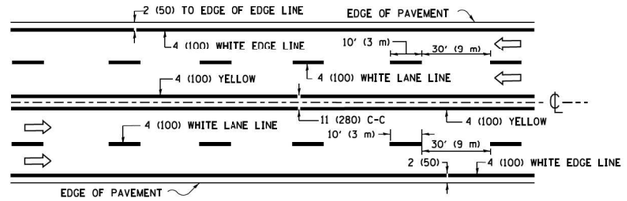
All dimensions are in inches (millimeters) unless otherwise shown.

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		DRAWN -	REVISED - T. RAMMACHER 03-12-99		
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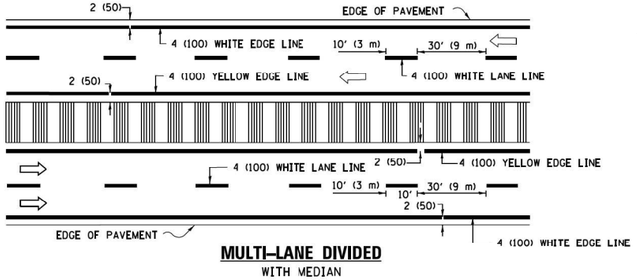
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	117
	TC-11	CONTRACT NO. 60T15		



2–LANE ROADWAY

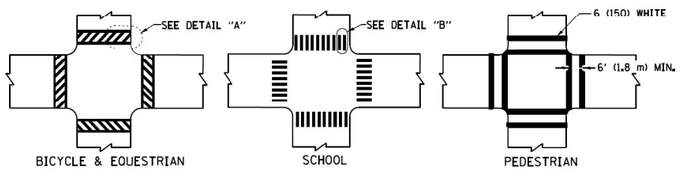


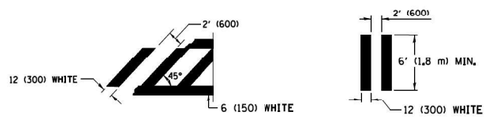
MULTI–LANE UNDIVIDED



MULTI–LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

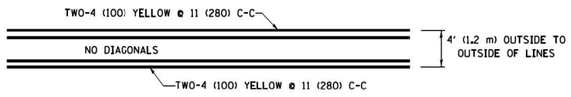




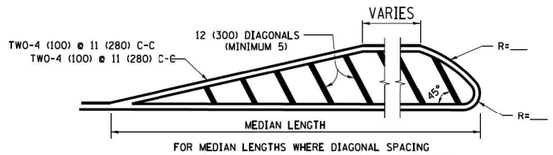
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

✳ MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



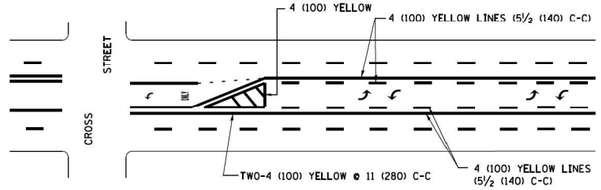
4' (1.2 m) WIDE MEDIANS ONLY



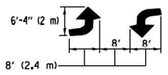
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

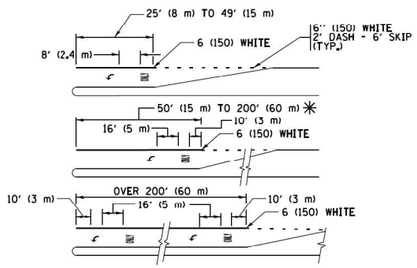


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

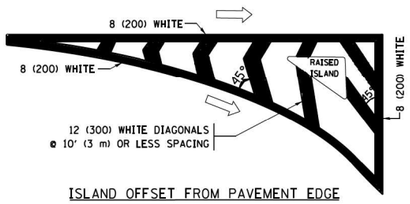


FULL SIZE LETTERS 8' (2,4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1,5 m²) **ONLY** AREA = 20.8 SQ. FT. (1,9 m²)

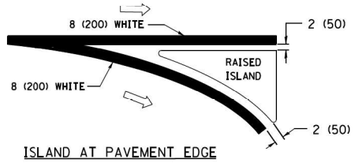
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

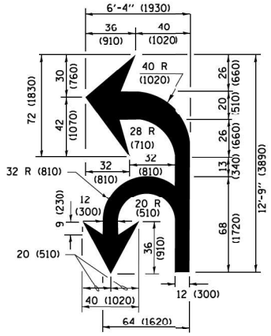


ISLAND OFFSET FROM PAVEMENT EDGE

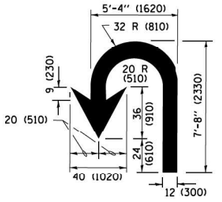


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

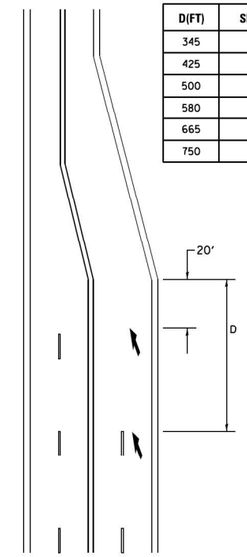


COMBINATION LEFT AND U–TURN



U–TURN

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55



LANE REDUCTION TRANSITION

✳ LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

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 FOR BOTH DIRECTIONS	4 (100) 2 ⌀ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 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 MEDIANS IN YELLOW
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 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE 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 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 m²) EACH "X"=54,0 SQ. FT. (5,0 m2)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	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))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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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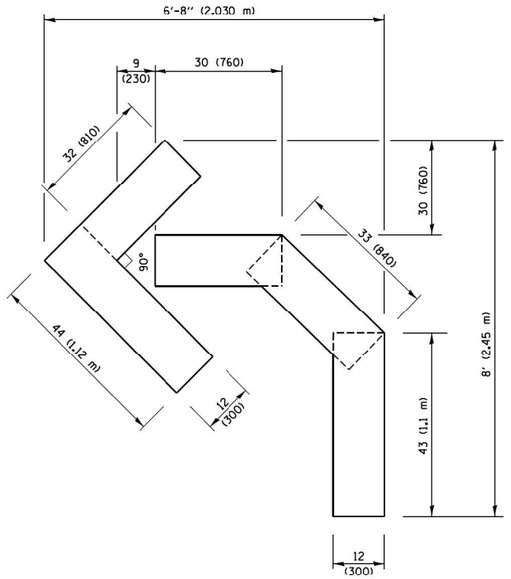
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

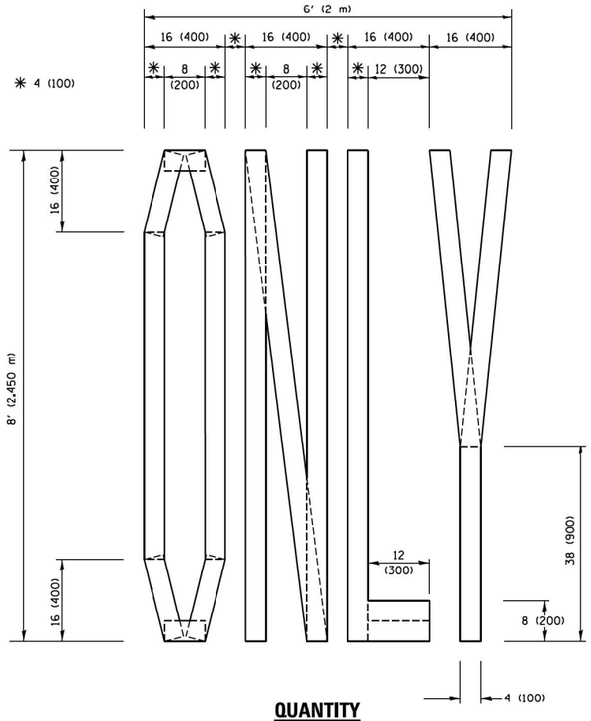
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335	146N-2	MCHENRY	135	118
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		ILLINOIS FED. AID PROJECT		

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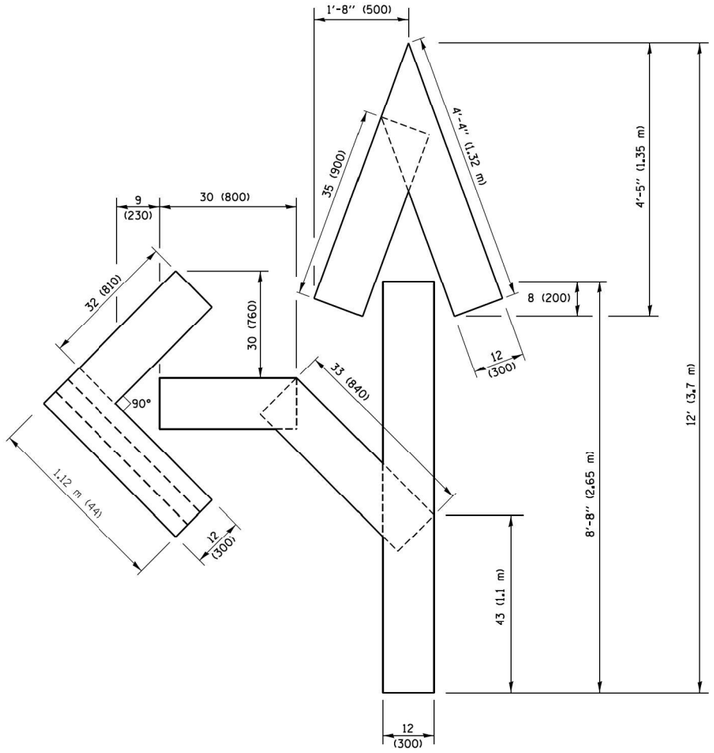
QUANTITY

4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.41 sq. m)



QUANTITY

4 (100) LINE = 64.1 ft. (19.5 m)
21.4 sq. ft. (1.99 sq. m)

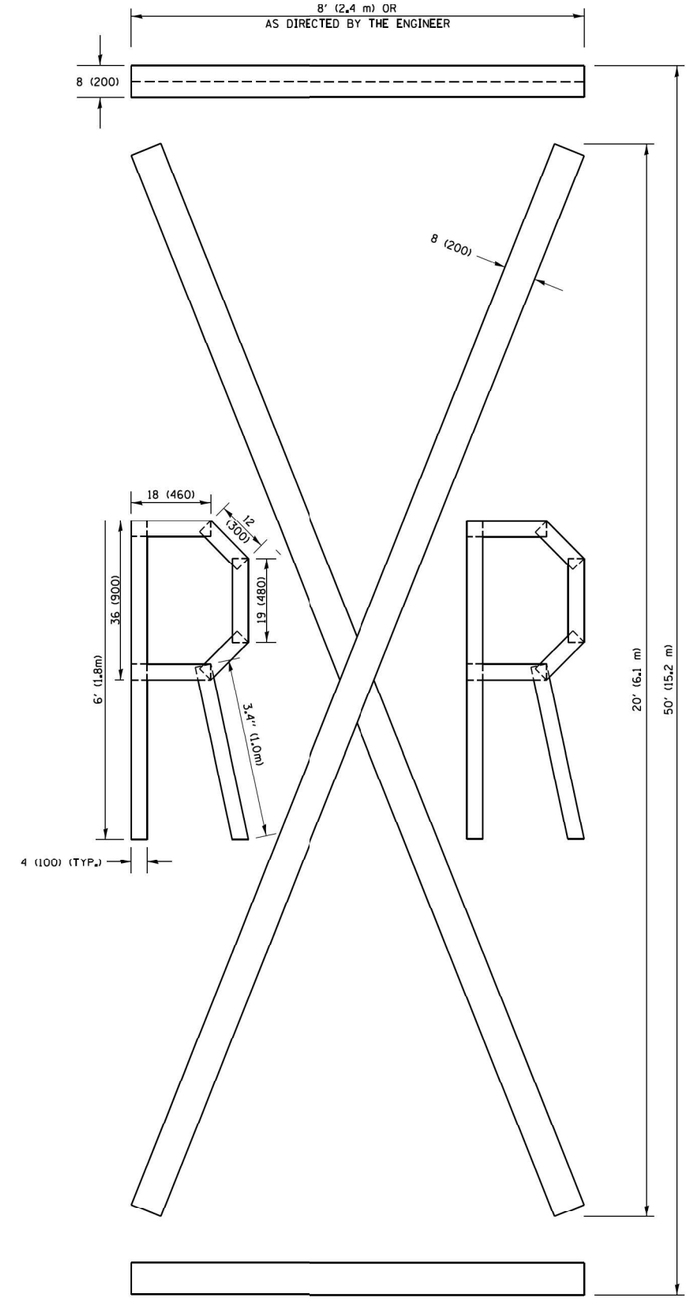


QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY

4 (100) LINE = 225.9 ft. (68.9 m)
75.3 sq. ft. (6.99 sq. m)

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

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist 1 Standards\CADData\CADsheets\tc16.dgn	USER NAME = footemj	DESIGNED -	REVISED -T. RAMMACHER 03-02-98
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	PLOT DATE = 9/15/2016	DATE - 09-18-94	REVISED -A. SCHUETZE 09-15-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	119
	TC-16	CONTRACT NO. 60T15		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

tc16.dgn 9/15/2016 12:45:20 PM User:footemj

ROUTE MARKERS

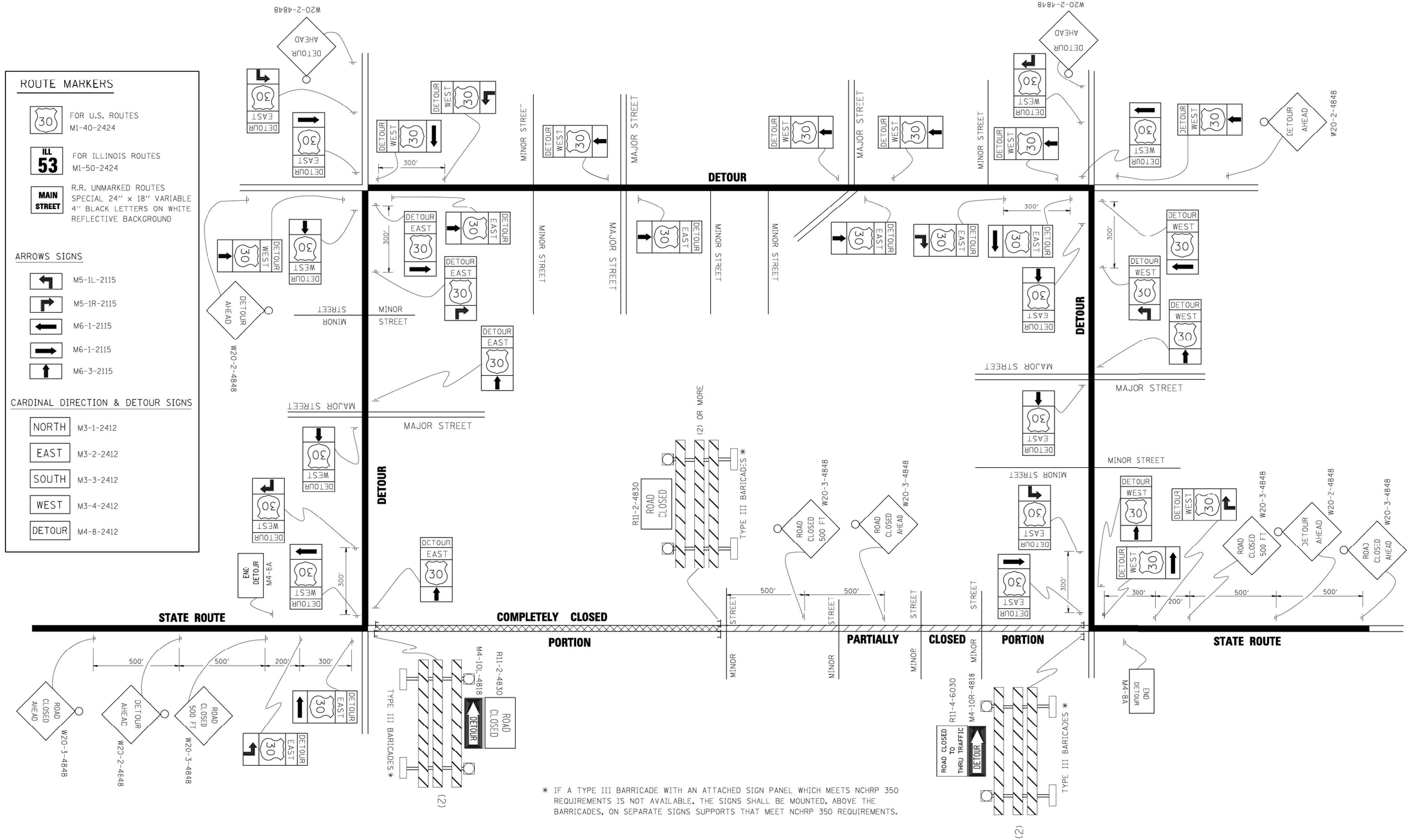
- 30 — FOR U.S. ROUTES M1-40-2424
- ILL 53 — FOR ILLINOIS ROUTES M1-50-2424
- MAIN STREET — R.R. UNMARKED ROUTES SPECIAL 24" x 18" VARIABLE 4" BLACK LETTERS ON WHITE REFLECTIVE BACKGROUND

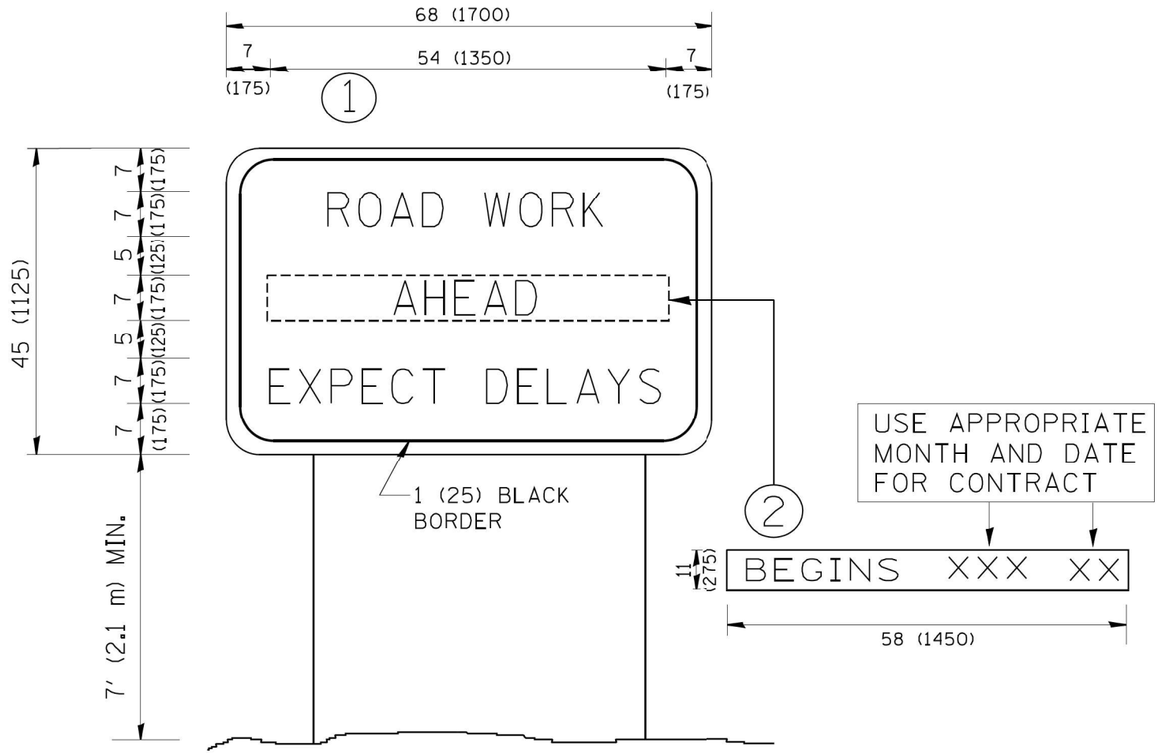
ARROWS SIGNS

- M5-1L-2115
- M5-1R-2115
- M6-1-2115
- M6-1-2115
- M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

- NORTH M3-1-2412
- EAST M3-2-2412
- SOUTH M3-3-2412
- WEST M3-4-2412
- DETOUR M4-8-2412


DETOUR AHEAD
W20-2-4848
DETOUR EAST 30
DETOUR WEST 30
300'
MINOR STREET
MAJOR STREET
DETOUR
DETOUR EAST 30
DETOUR WEST 30
DETOUR AHEAD
W20-2-4848



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN (1) WITH INSTALLED PANEL (2) ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL (2) SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

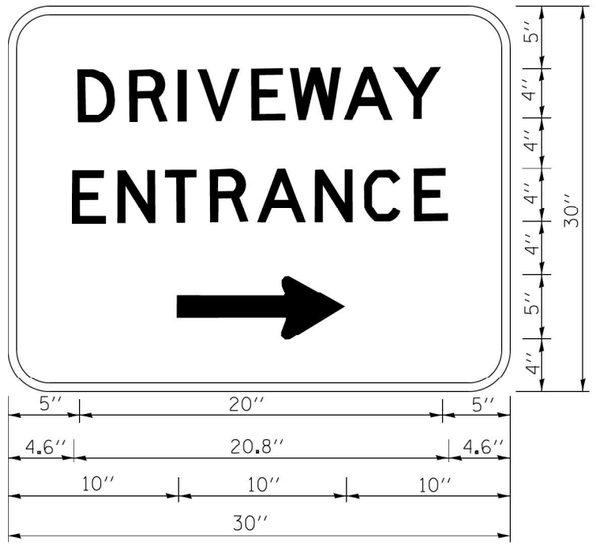
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		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	121
	TC-22	CONTRACT NO. 60T15		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



3.0'' RADIUS, 0.5'' BORDER, WHITE ON GREEN; REFLECTORIZED
''DRIVEWAY'' D; ''ENTRANCE'' D; STANDARD ARROW CUSTOM 12.0'' x 5.0''

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM ''TEMPORARY INFORMATION SIGNING''.

FILE NAME = c:\pw_work\pwidot\gaglianobt\d0108315\tc26.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - C. JUCIUS 02-15-07
		DRAWN -	REVISED -
	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/13/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

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

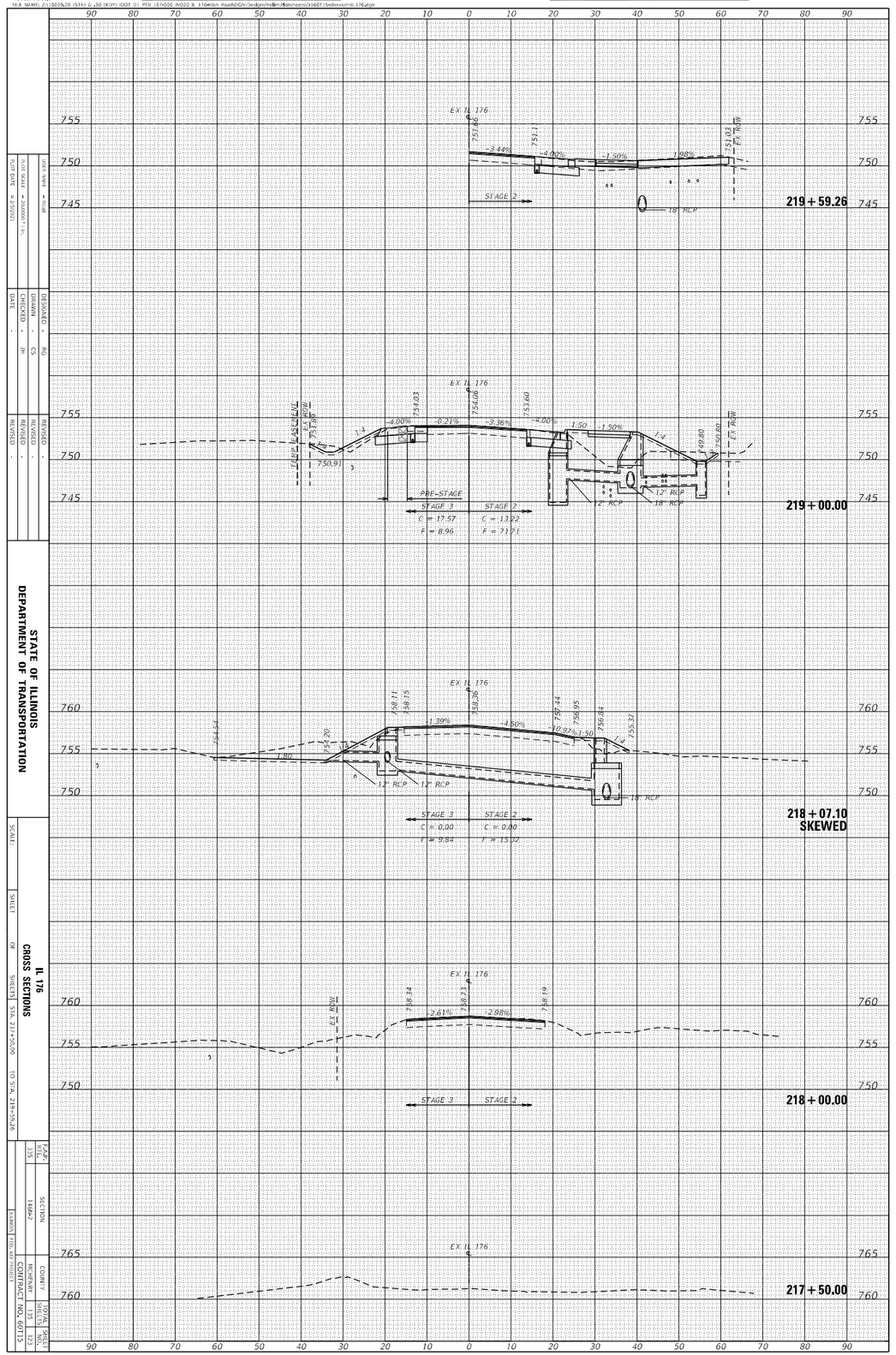
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	122
	TC-26	CONTRACT NO. 60T15		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

tc26.dgn 12/13/2012 2:26:37 PM User:gaglianobt

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

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

MODEL: Default
FILE NAME: Z:\1803%20 (STA) & 20 (ROY) IDOT D1 PDP 1 87+00 90+00 & 176\Mich Road\EDC\Design\Pe8m\Plan\sheets\216815mshr-sht-IL176.dgn



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176
CROSS SECTIONS

SCALE: 1" = 10'

SHEET 07 OF SHEETS

STA. 217+50.00 TO STA. 219+59.26

PLOT SCALE = 20.0000 ' / in.

PLOT DATE = 2/20/20

DESIGNED	-	RG
DRAWN	-	CS
CHECKED	-	JH
DATE	-	

REVISED	-	
REVISED	-	
REVISED	-	

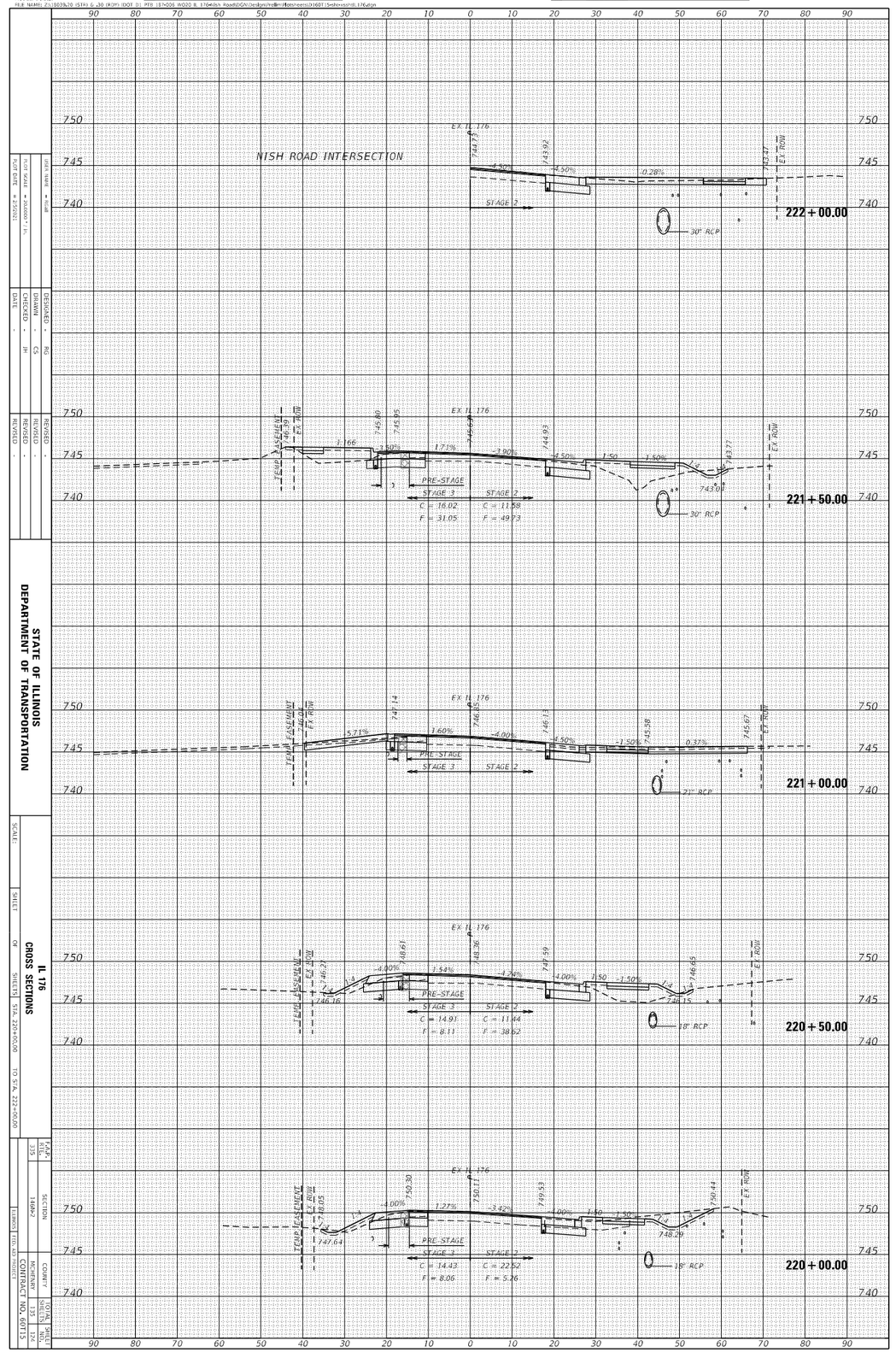
F.A.P. RTE.	515	
SECTION	1808-7	
COUNTY	MCHENRY	
CONTRACT NO.	60715	
TOTAL SHEETS	12	
SHEET NO.	7	

LEGEND: FED. AID PROJECT

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

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

MODEL: Default
FILE NAME: Z:\1803%20 (STA\ 5_20 (ROY) (DOT D) 1ED (1)\20 (DOT D) 1ED (1) 1ED (1)\M-ROAD\Roadway\Design\Profile\Plan\Sheets\216815mhr-sht05.176.dgn



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176
CROSS SECTIONS

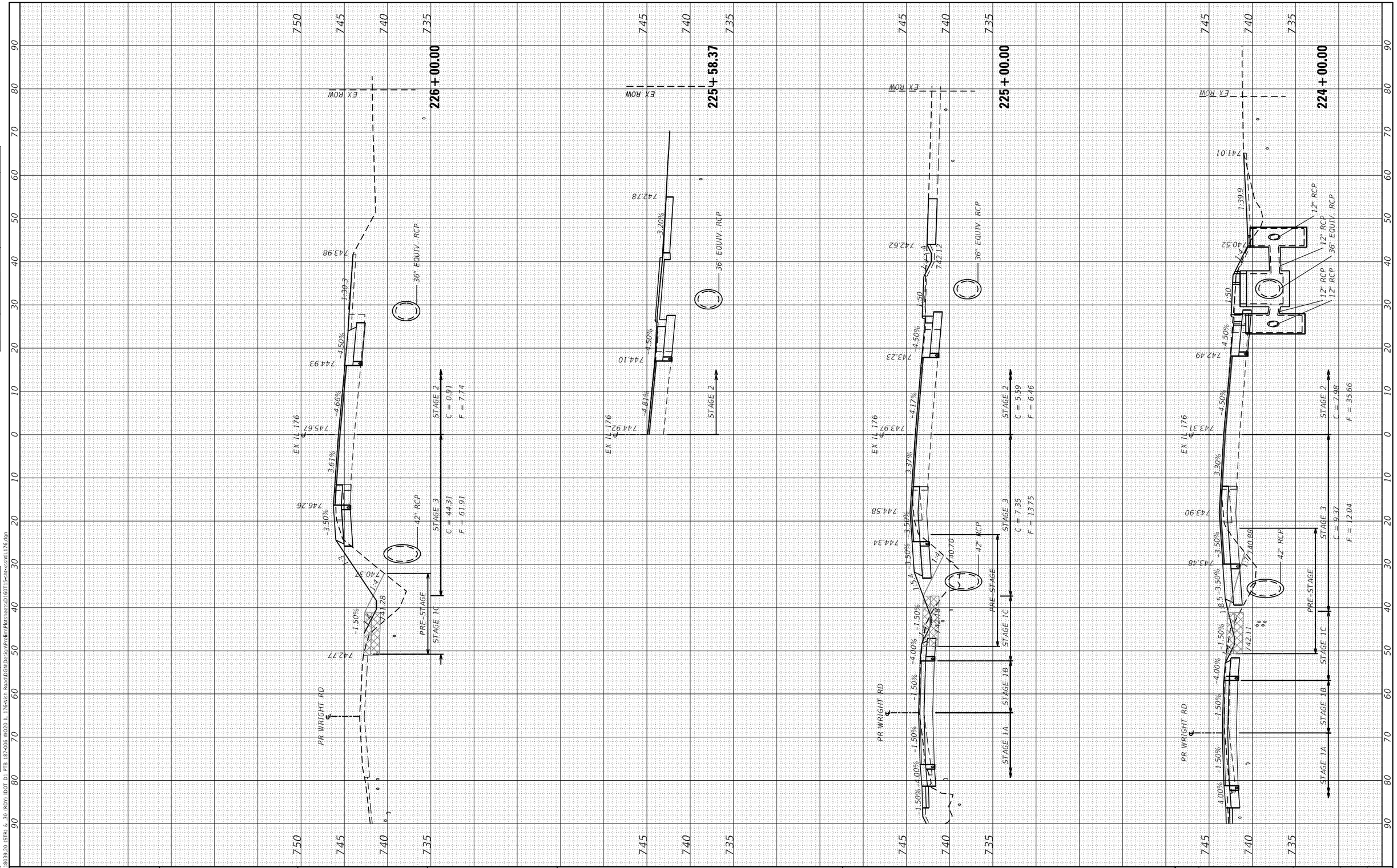
SCALE: 1"=10ft
SHEET OF SHEETS: STA. 220+00.00 TO STA. 222+00.00

PLOT SCALE = 20.0000 ' / In.
PLOT DATE = 2/20/20

	DESIGNED	-	RG
	DRAWN	-	CS
DATE	CHECKED	-	JH
-			

REVISED	-
REVISED	-
REVISED	-

F.A.P. RTE.	515		
		SECTION	
	1606-2		
		COUNTY	
	MCHENRY		
CONTRACT NO. 60T15		SHEET NO.	SHEETS
		175	176



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

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

MODEL: Default
FILE NAME: Z:\18039.20 (STRI & .30 (RDY) IDOT D) PTB 187-006 W020 IL 176-Nish Road\DGN\Design\Prelim\Pletsheets\D160T15-sht-xsshtIL176.dgn

USER NAME = JBerggren	DESIGNED - RG		REVISED -
	DRAWN - CS		REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - JH		REVISED -
PLOT DATE = 4/23/2021	DATE -		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

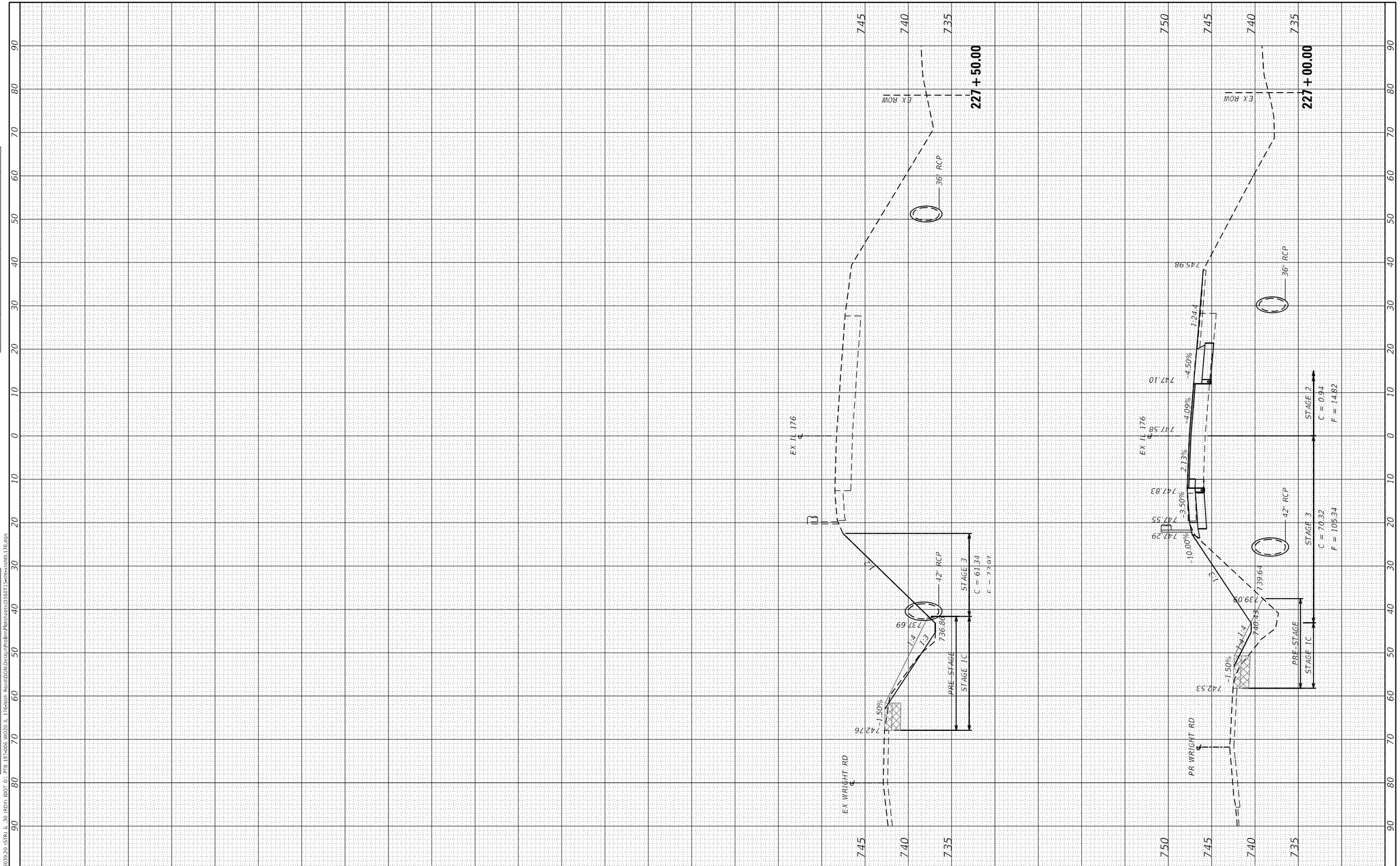
IL 176
CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 224+00.00 | TO STA. 226+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	125
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			

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

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



MODEL: Default
FILE NAME: Z:\18039.20 ISTRI & 30 (RDY) IDOT D1 PTB 187-206 W20D IL 176\Wish Road\DGN\Desk\n\Prelim\Plotsheets\D160T15-sht-xsIL176.dgn

USER NAME = JBerggren	DESIGNED - RG	REVISED -	
	DRAWN - CS	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 4/23/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 176
CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 227+00.00 | TO STA. 227+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	126
		CONTRACT NO. 60T15		
	ILLINOIS	FED. AID PROJECT		

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

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

MODEL: Default
FILE NAME: Z:\1603420 (STA) & 20 (ROY) IDOT D1 PTB 183+006 NISH & 176th Ash\RDGN\Design\Preliminary\sheets\216815nishxsecnishWest.dgn

PLOT DATE = 2/20/25 | PLOT SCALE = 40.0000 ' / in. | PLOT NAME = mcdot

DESIGNED - RG
DRAWN - CS
CHECKED - JH
DATE -

REVISED -
REVISED -
REVISED -

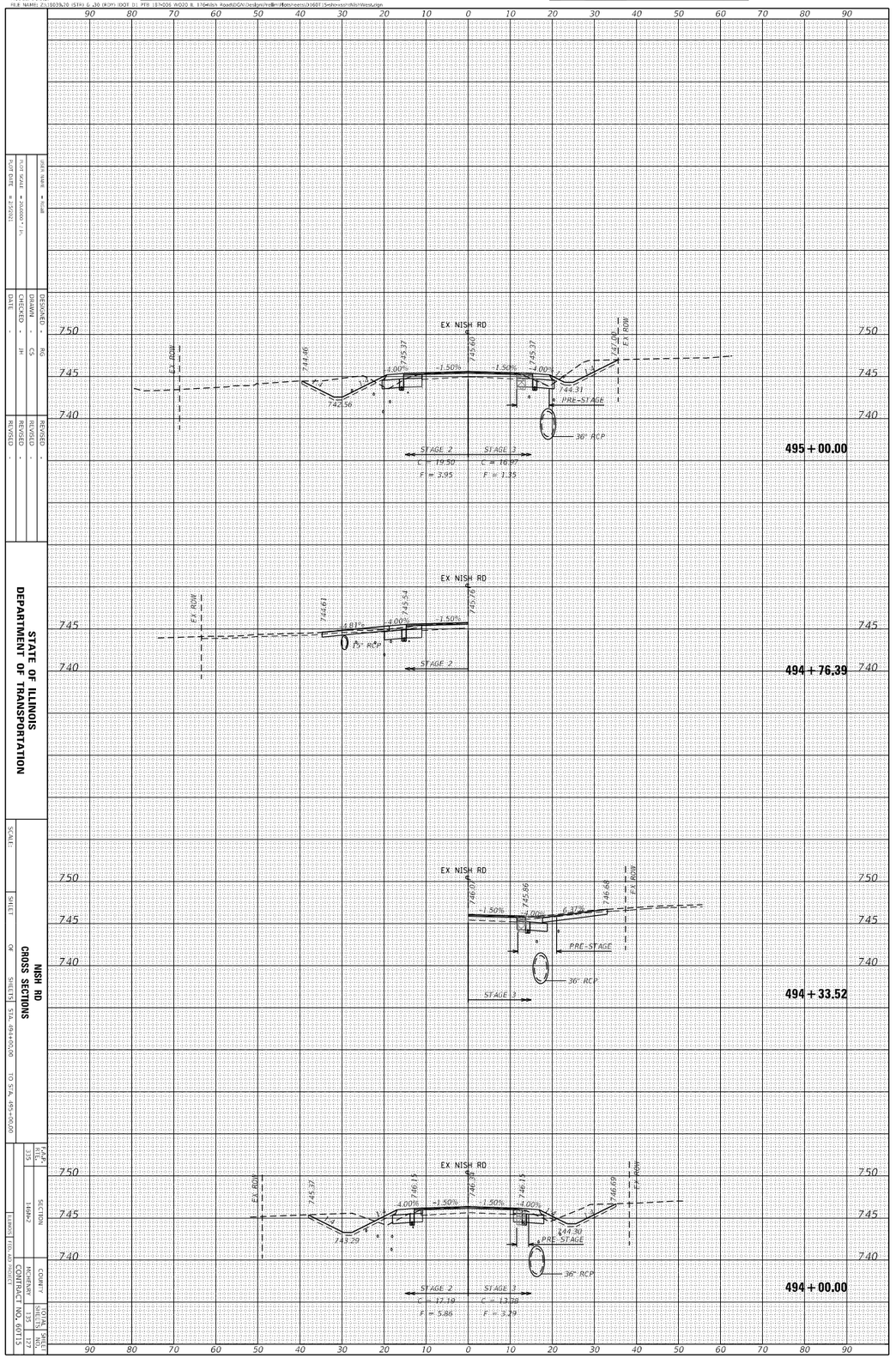
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NISH RD
CROSS SECTIONS

SCALE:
SHEET OF SHEETS STA. 494+00.00 TO STA. 495+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
315	14HBK7	MCHENRY	135
		CONTRACT NO. 60115	

ILLINOIS FED. AID PROJECT



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

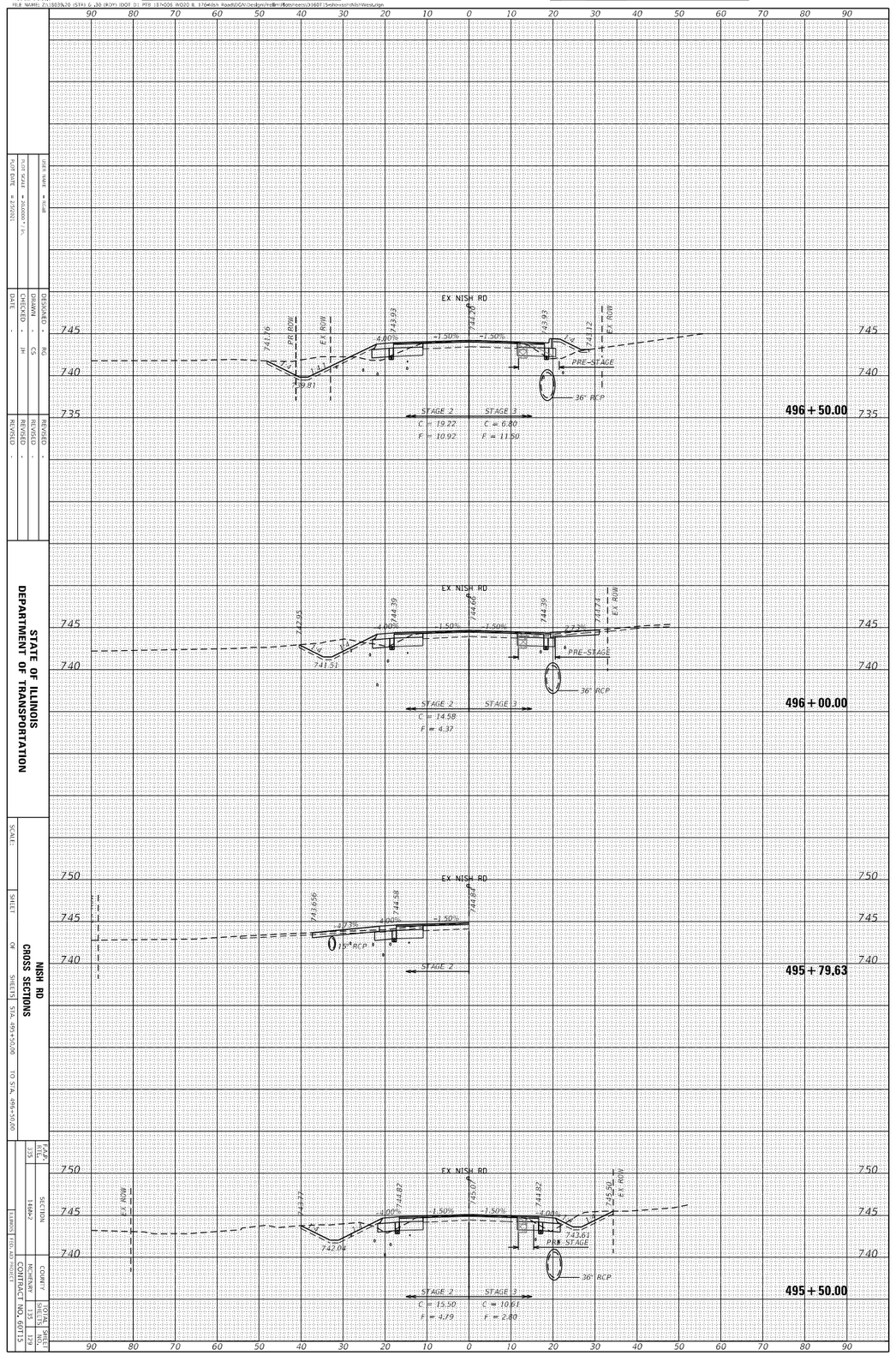
FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

MODEL: Default
FILE NAME: Z:\1603%20 (STA) & 20 (ROY) IDOT D1 PTB 183+006 ROUD & 176\Nish Road\ROW\Design\Roadway\Sheets\D1PTB183+006-sht-NishWestEdge

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

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

MODEL: Default
FILE NAME: Z:\1803%20 (STA\ 5_20 (ROY) IDOT D1 MSI 18\400-ROAD & STR\Walsh Road\EDGN\Design\Roadway\sheets\216815sht-xsect-NishWest.dgn



DESIGNED - RG
DRAWN - CS
CHECKED - JH
DATE -

REVISED -
REVISED -
REVISED -

PLOT SCALE = 40.0000 ' / in.
PLOT DATE = 3/2/2021

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NISH RD
CROSS SECTIONS

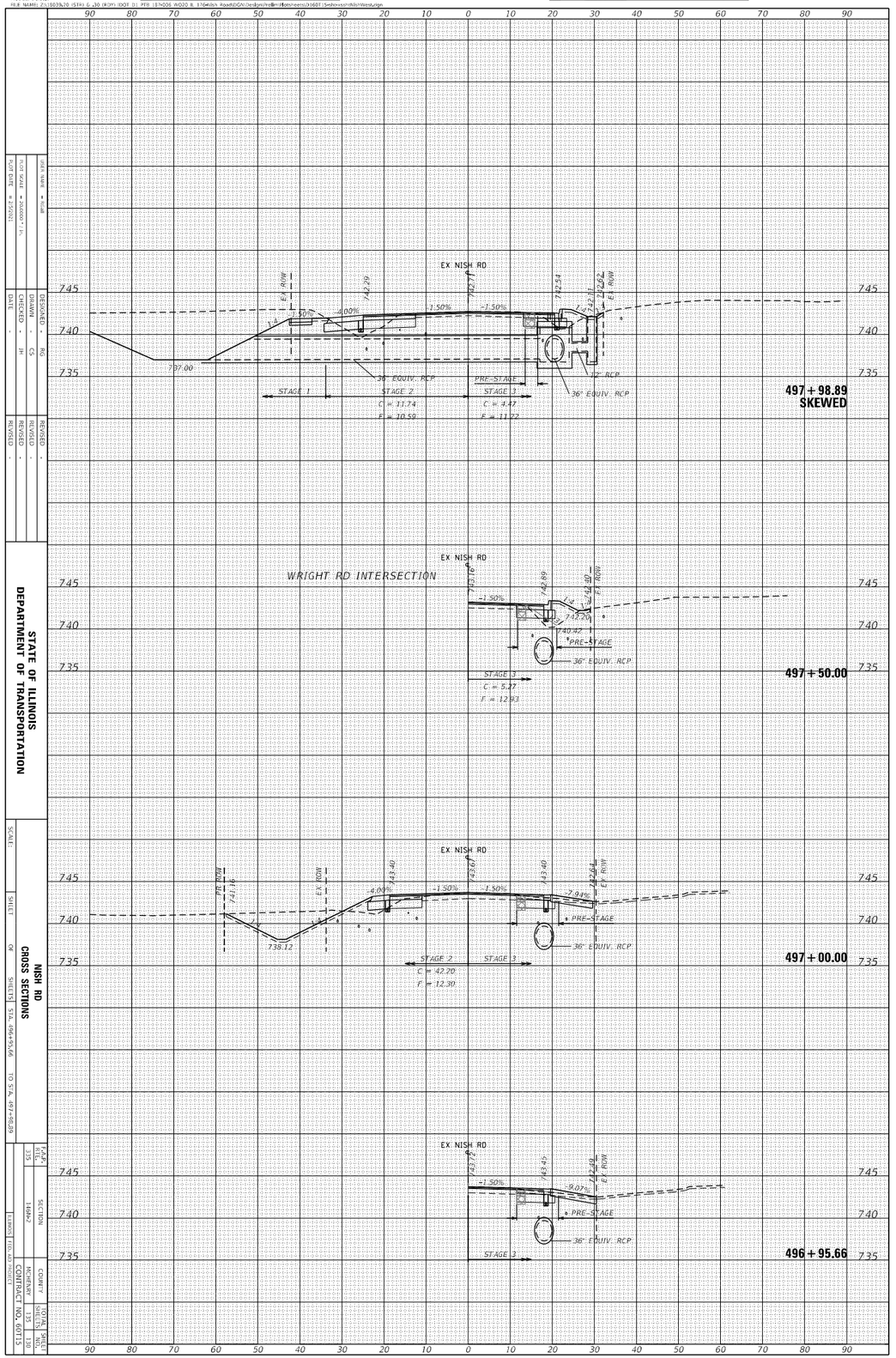
SCALE
SHEET OF SHEETS STA. 495+50.00
TO STA. 496+50.00

FAP RTE.	SECTION	COUNTY	TOTAL SHEET
315	1148RZ	MCHENRY	379
	CONTRACT NO. 60115		

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

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

MODEL: Default
FILE NAME: Z:\1803%20 (STA) & 20 (ROY) IDOT D1 PTB 183+006 ROUD & 176\Wish Road\ROY\Design\Wright\Plan\Sheets\216815mhr-xsec\Nish\West.dgn



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NISH RD
CROSS SECTIONS

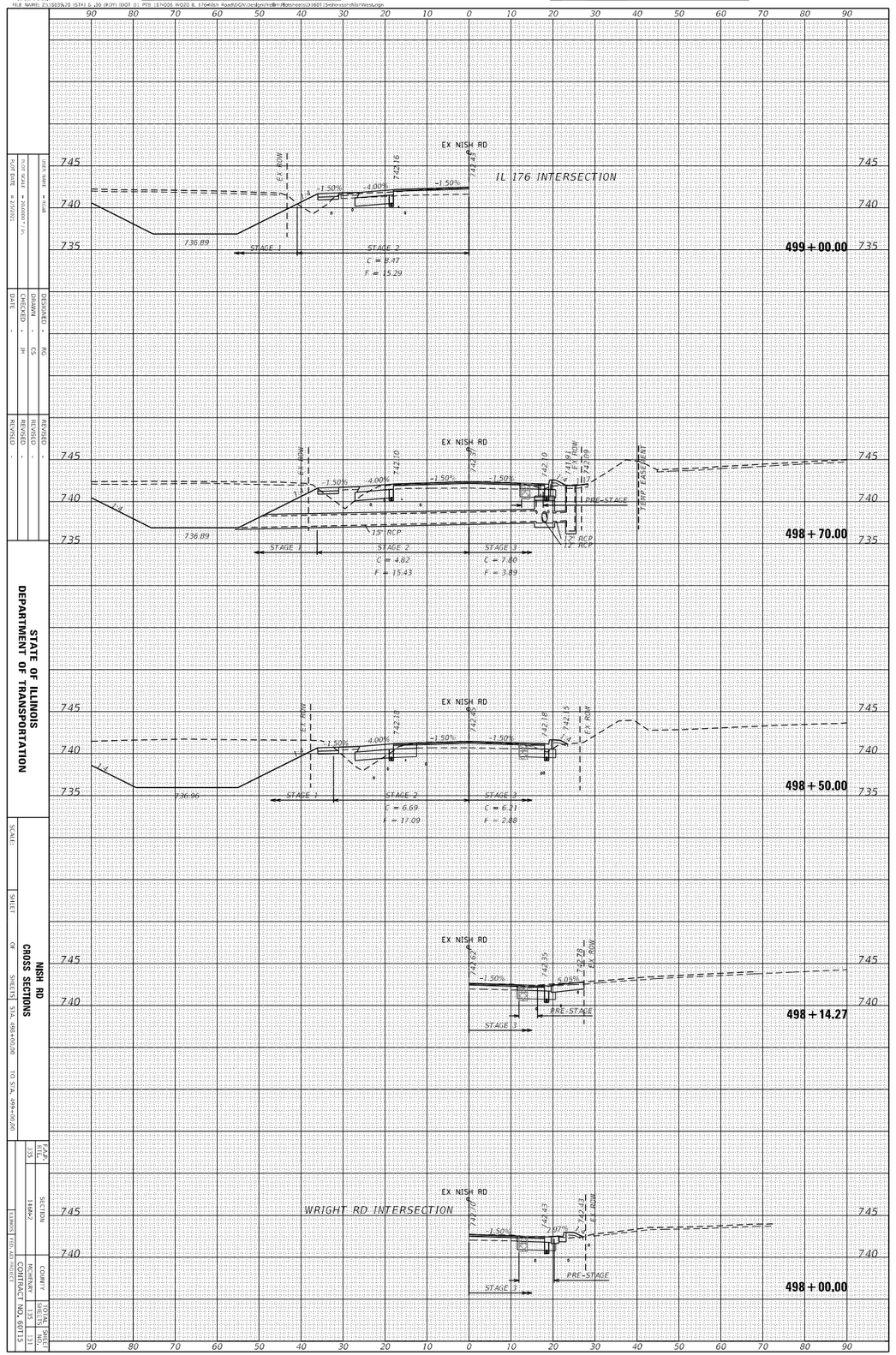
SCALE:	SHEET NAME = NISH
SHEET	PLOT SCALE = 40.0000 ' / in.
OF SHEETS	PLOT DATE = 2/20/2025
STA. 496+95.66	DESIGNED - RG
TO STA. 497+98.89	DRAWN - CS
	CHECKED - JH
	DATE -
	REVISED -
	REVISED -
	REVISED -

F.A.P. RTE.	SECTION NUMBER	COUNTY	TOTAL SHEETS
315	1448A7	MCHENRY	135
	CONTRACT NO. 60115		

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

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

MODEL: Default
FILE NAME: Z:\1803%20 (STA) & 20 (ROY) IDOT D1 RTE 1\1400 ROAD & 176\Nish Road\ENGN\Design\Roll\Roll\sheets\216815-sht-xsect-NishWest.dgn



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NISH RD
CROSS SECTIONS

PLOT DATE = 2/20/20
PLOT SCALE = 40.0000 ' / in.
PLOT BY = mcnall

DESIGNED - RG
DRAWN - CS
CHECKED - JH
DATE -

REVISED -
REVISED -
REVISED -

SCALE:
SHEET OF SHEETS
STA. 498+00.00 TO STA. 499+00.00

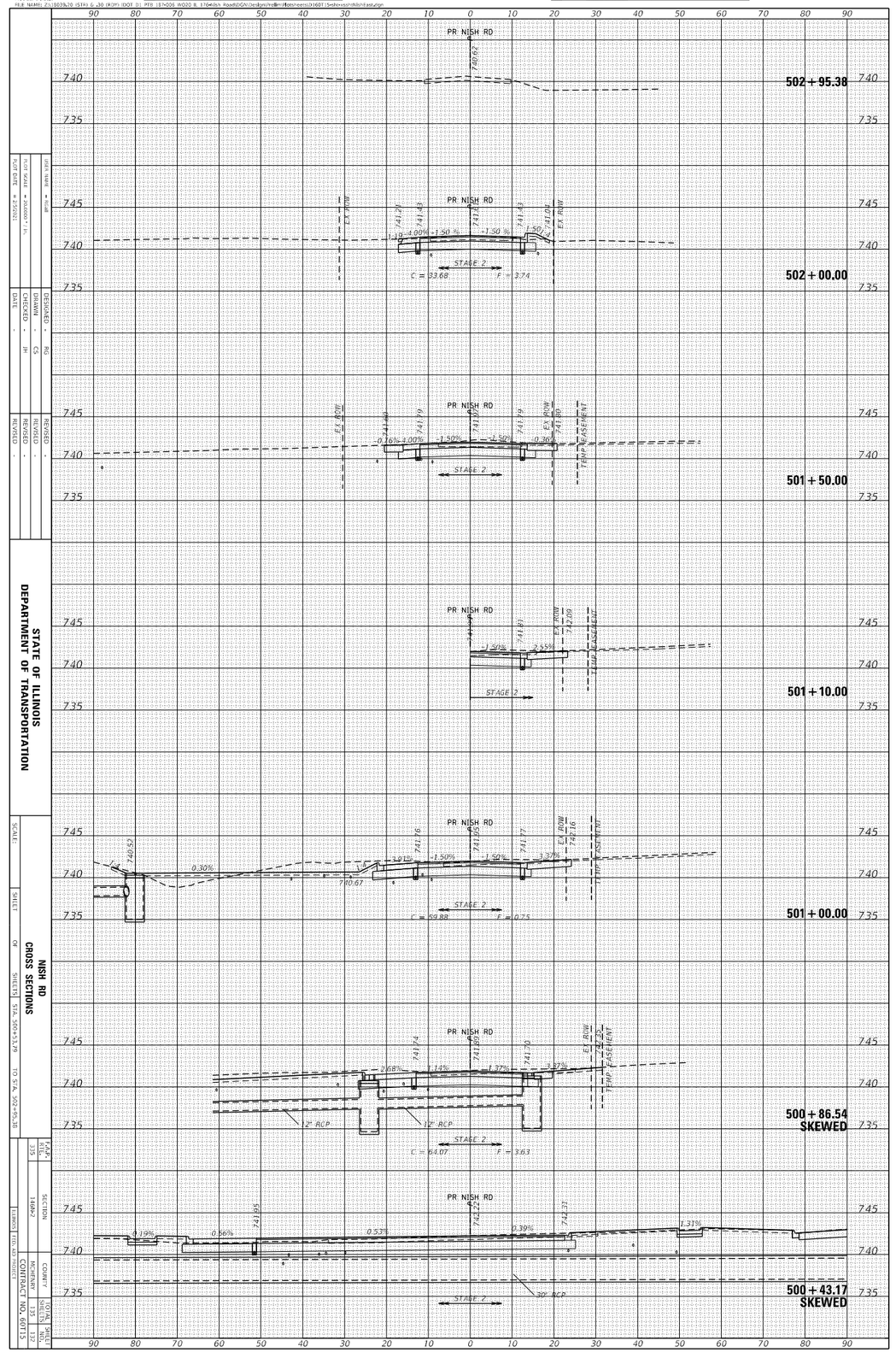
F.A.P. RTE. 176
SECTION 1400R-7
COUNTY MCHENRY
CONTRACT NO. 60T15
TOTAL SHEETS 131
SHEET NO. 115

SUBMITTED FED. AID PROJECT

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

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

MODEL: Default
FILE NAME: Z:\1803%20 (STA\ 5_20 (ROY) (DOT D) #19 (1)\502 & 1704dsh Roads\EDGV\Design\Preliminary\sheets\216815nishrdxsnishtest.dgn



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NISH RD
CROSS SECTIONS

SCALE: 1" = 10'
PLOT SCALE = 20.0000 ' / in.
PLOT DATE = 2/7/2021

DESIGNED - RG
DRAWN - CS
CHECKED - JH
DATE -

REVISED -
REVISED -
REVISED -

SHEET NO. 15 OF SHEETS
STA. 500+43.18 TO STA. 502+95.38

F.A.P. RTE. 115
SECTION 1808-7
(3 BRIDGES) FED. AID PROJECT
COUNTY MCHENRY
CONTRACT NO. 60715
TOTAL SHEET NO. 15

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

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

MODEL: Default
FILE NAME: Z:\1803%20 (STA) & 20 (ROY) IDOT D1 MSR 18 134-026 ROUD 8, 176\Wash Road\ROY\Design\Preliminary\sheets\2160715xsht-xsroywrightrd.dgn

PLOT DATE = 2/2/2021 | PLOT SCALE = 40.0000 ' / in. | PLOT NAME = mcduff

DESIGNED	-	RG
DRAWN	-	CS
CHECKED	-	JH
DATE	-	

REVISED	-	
REVISED	-	
REVISED	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

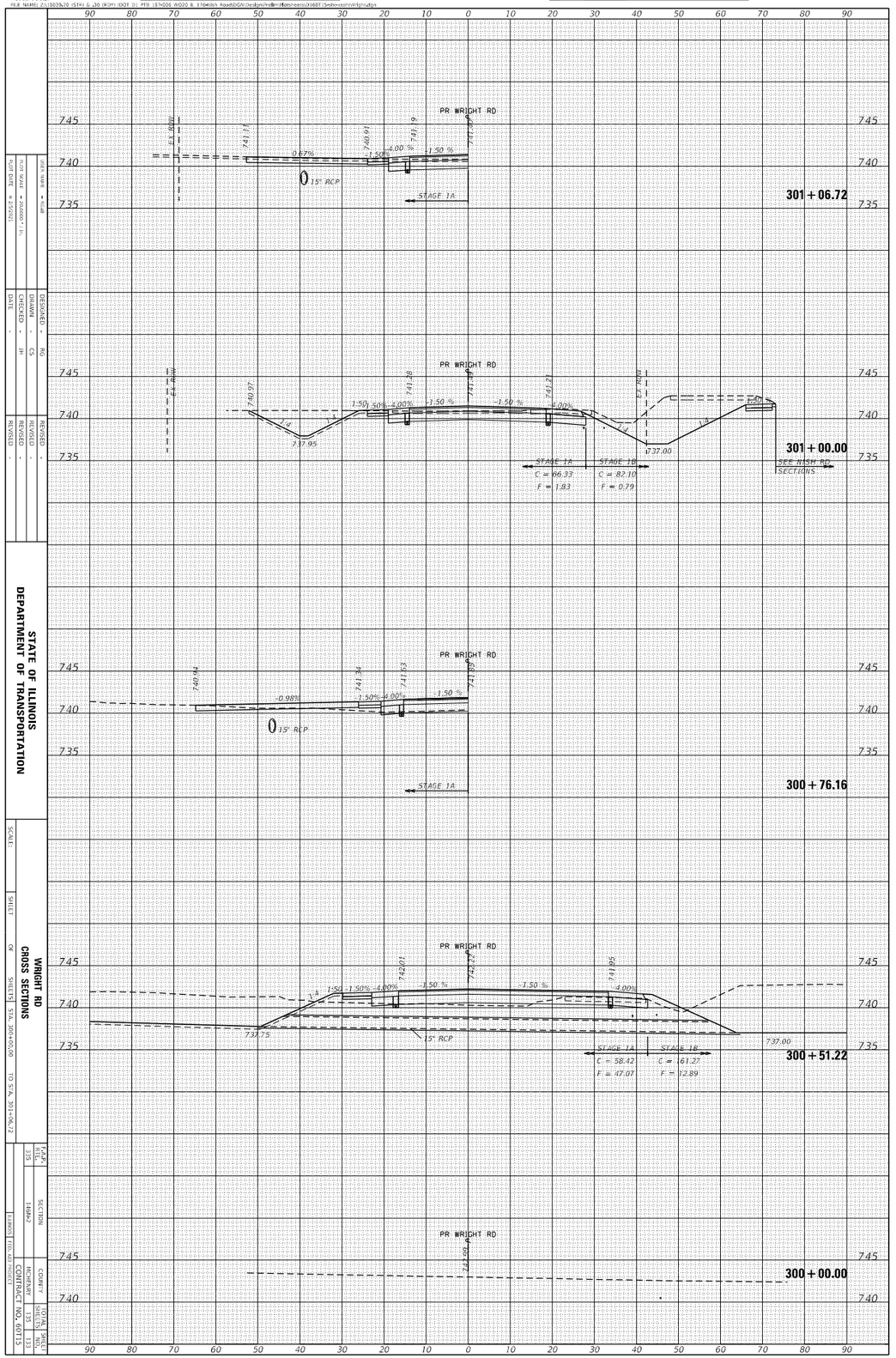
WRIGHT RD
CROSS SECTIONS

SCALE:

SHEET OF SHEETS STA. 300+00.00 TO STA. 303+06.72

F.A.P. RTE.	315	SECTION	
		1484-7	
		DISTRICT ONE	FED. AID PROJECT
		COUNTY	
		MCHENRY	
CONTRACT NO. 60715			

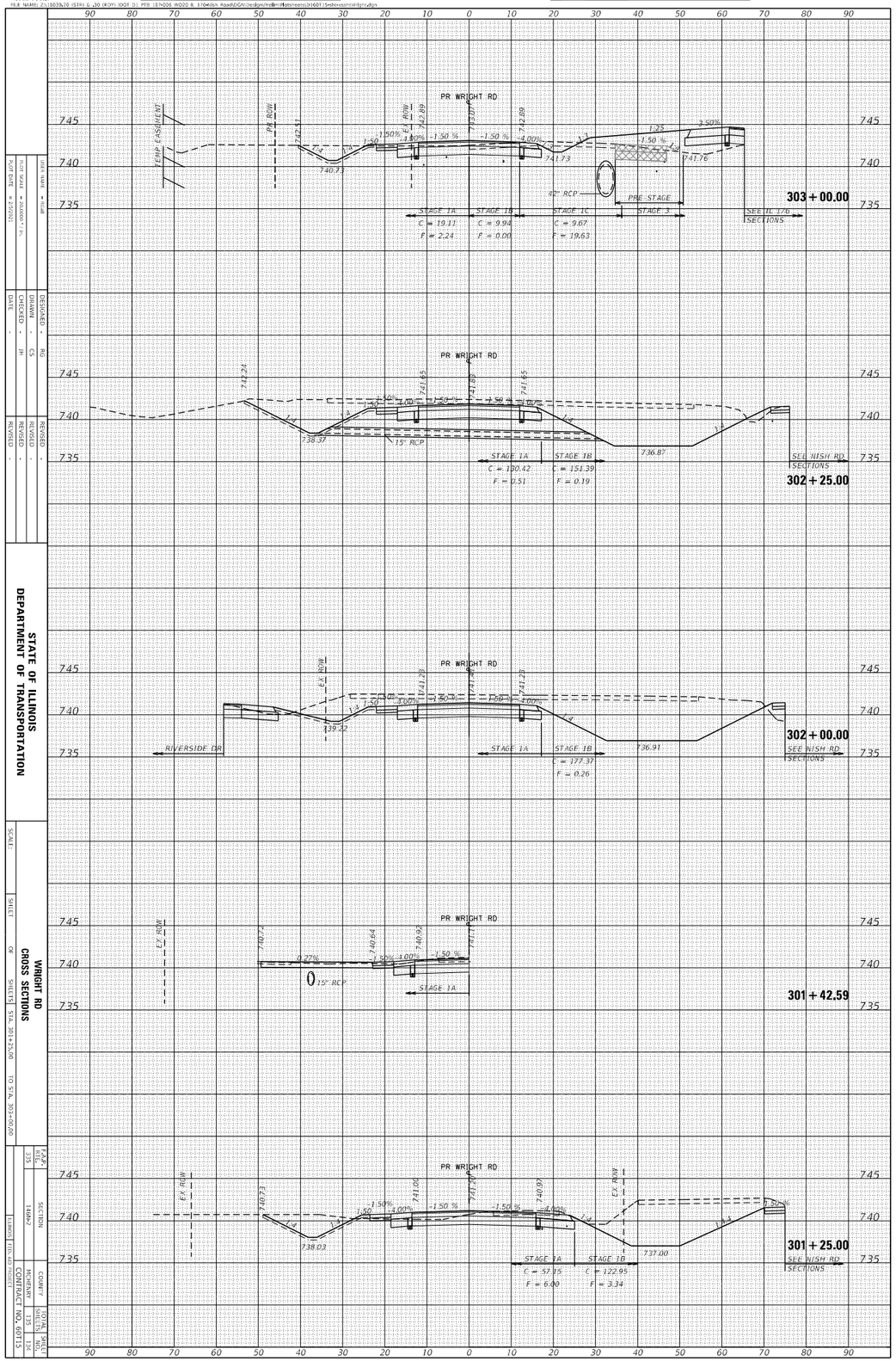
SHEET NO.	13	
TOTAL SHEETS	13	
ILL. FED. AID PROJECT		



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

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

MODEL: Default
FILE NAME: Z:\1603\20 (STA) & 20 (ROY) IDOT D1 RTE 137\20 ROAD & 176\Wish Road\ROY\Design\Preliminary\sheets\2160715mshxsectWright.dgn



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WRIGHT RD
CROSS SECTIONS

SCALE: 1" = 10'
PLOT SCALE = 100.000 ' / in.
PLOT DATE = 2/22/21

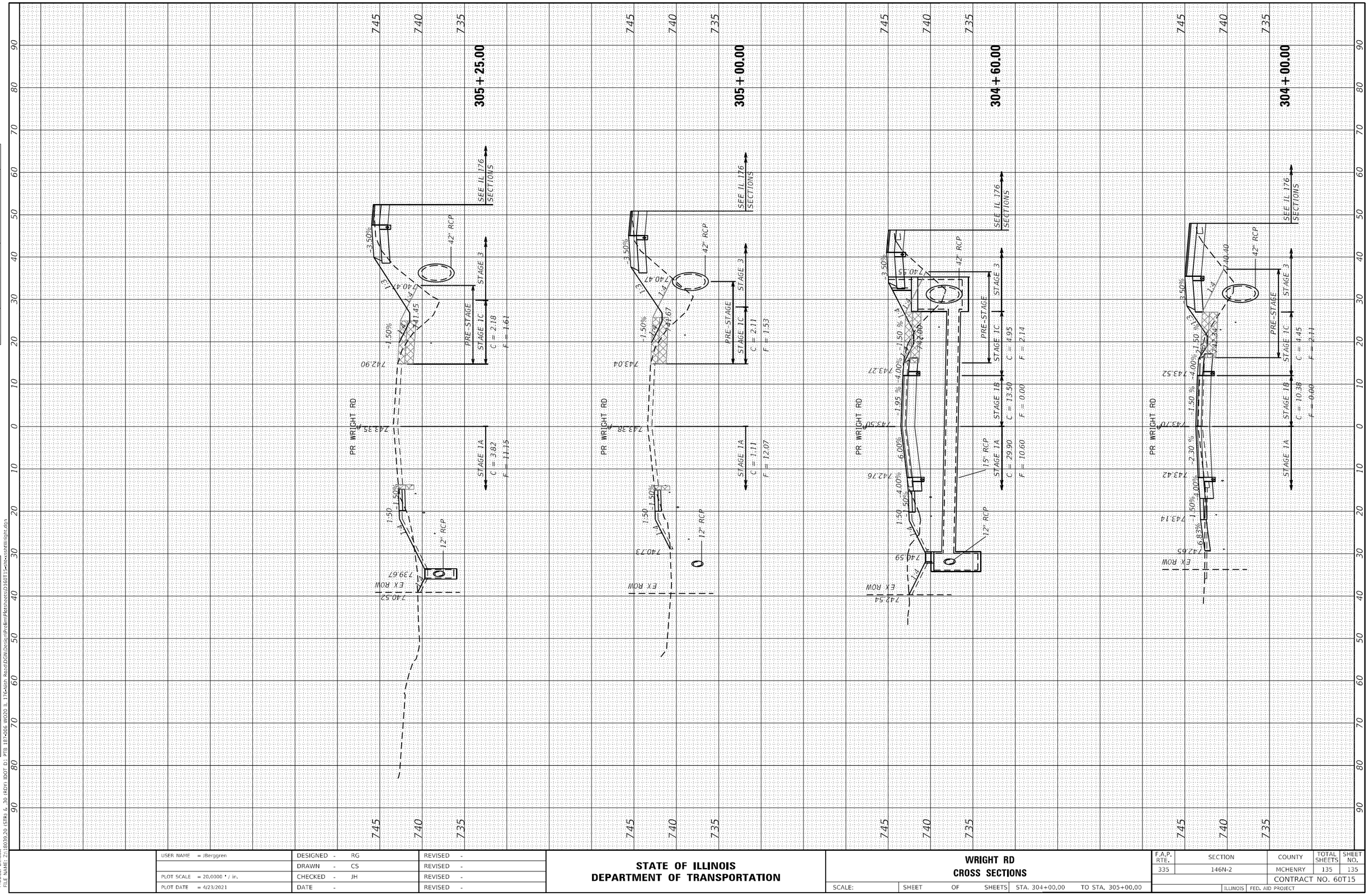
DESIGNED - RG
DRAWN - CS
CHECKED - JH
DATE -

REVISED -
REVISED -
REVISED -

SHEET 15 OF 15 SHEETS
STA. 301+25.00 TO STA. 303+00.00

F.A.P. RTE. 137
SECTION 1600-7
JURISDICTIONAL INVOLVEMENT
COUNTY
MCHENRY
CONTRACT NO. 60715
TOTAL SHEETS IN CONTRACT 134
SHEET NO.

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



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

MODEL: Default
FILE NAME: Z:\18039.20 (STRI & .30 (RDY) IDOT D:\ PTB 187-006 W020 IL 176-Wish Road\DGN\Design\Prelim\Pletsheets\D160T15-sht-xsshtWright.dgn

USER NAME = JBerggren	DESIGNED - RG	REVISED -	
	DRAWN - CS	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 4/23/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WRIGHT RD
CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 304+00.00 | TO STA. 305+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	146N-2	MCHENRY	135	135
		CONTRACT NO. 60T15		
	ILLINOIS FED. AID PROJECT			