

06-11-2021 LETTING ITEM 217

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

F.A.U. ROUTE (0369) CEDAR ROAD (CH4) AT LARAWAY ROAD (CH74)
INTERSECTION IMPROVEMENTS
SECTION 08-00138-28-TL
PROJECT 7Z9S(265)
WILL COUNTY DIVISION OF TRANSPORTATION
C-91-108-09

FUNCTIONAL CLASSIFICATION
CEDAR ROAD - MINOR ARTERIAL
LARAWAY ROAD - MINOR ARTERIAL

2019 ADT:

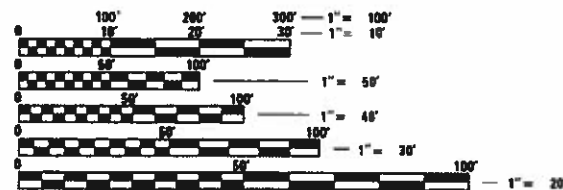
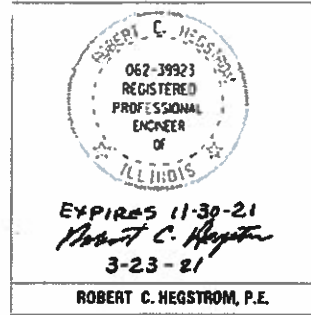
CEDAR ROAD:
NORTH LEG - 10,600 SU=1.7% MU=1.1%
SOUTH LEG - 8,050 SU=2.2% MU=0.7%

CEDAR ROAD:
POSTED SPEED - 40
DESIGN SPEED - 45

LARAWAY ROAD:
EAST LEG - 12,600 SU=3.7% MU=3.6%
WEST LEG - 11,800 SU=1.9% MU=2.1%

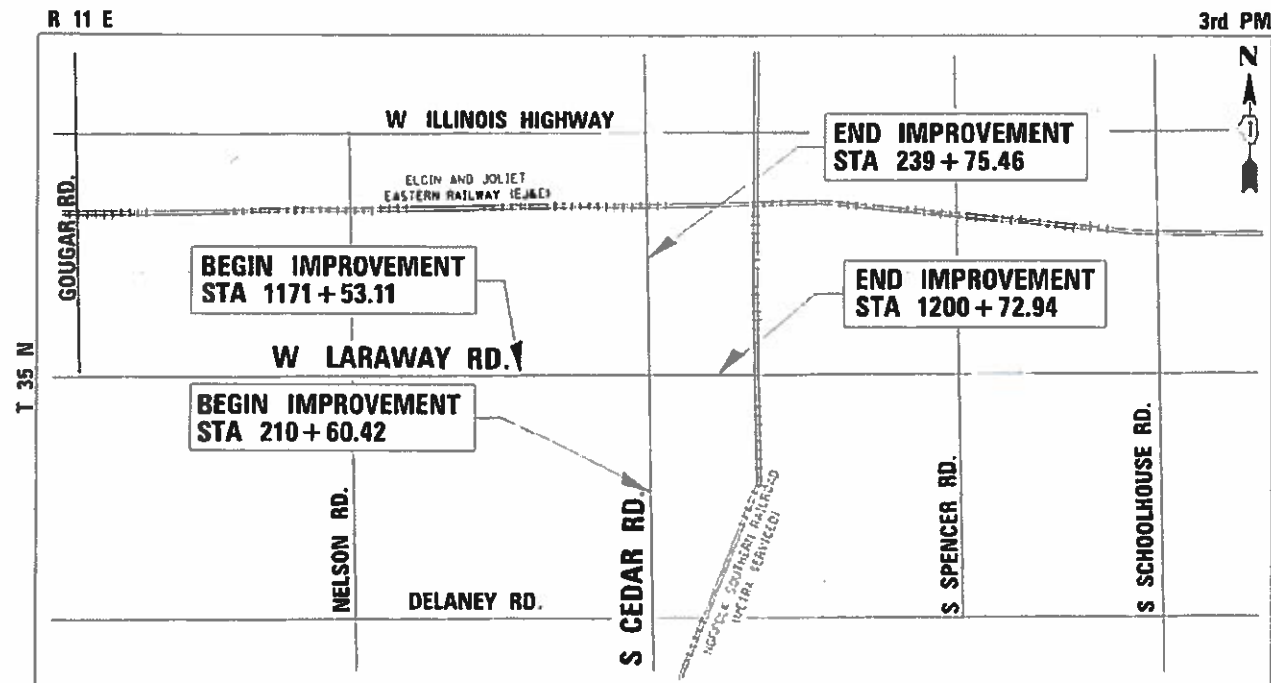
LARAWAY ROAD:
POSTED SPEED - 45
DESIGN SPEED - 50

FEDERAL AID PROGRAM ENGINEER, CARMEN E. RAMOS, PE, SCHAUMBURG, IL



CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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



NEW LENOX TOWNSHIP
NOT TO SCALE

LOCATION MAP

GROSS AND NET LENGTH = 5,835 FT. = 1.11 MILES

F.A.U. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	1

ILLINOIS CONTRACT NO. 61B89



LOCATION OF SECTION INDICATED THIS: -

THIS PROJECT IS LOCATED IN
THE VILLAGE OF NEW LENOX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED 3/26/2021
Jeff L. Ronalder
WILL COUNTY DIVISION OF TRANSPORTATION
DIRECTOR OF TRANSPORTATION -
COUNTY ENGINEER

PASSED APRIL 29 2021
C. P. ...
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW APRIL 29, 2021
April Pries
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

CONTRACT NO. 61B89



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HIGHWAY STANDARDS

000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
 001001-02 AREAS OF REINFORCEMENT BARS
 001006 DECIMAL OF AN INCH AND OF A FOOT
 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
 542301-03 PRECAST REINFORCED CONCRETE FLARED END SECTION
 542311-07 TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTIONS
 601001-05 PIPE UNDERDRAINS
 601101-02 CONCRETE HEADWALL FOR PIPE UNDERDRAINS
 602001-02 CATCH BASIN, TYPE A
 602011-02 CATCH BASIN, TYPE C
 602301-04 INLET, TYPE A
 602401-07 PRECAST MANHOLE, TYPE A
 602506-03 PRECAST VALVE VAULT, TYPE A, 5' DIAMETER
 602601-06 PRECAST REINFORCED CONCRETE FLAT SLAB TOP
 602701-02 MANHOLE STEPS
 604001-05 FRAME AND LIDS, TYPE 1
 604091-04 FRAME AND GRATE, TYPE 24
 606001-07 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
 606201-04 TYPE B GUTTER OUTLET
 606301-04 PC CONCRETE ISLANDS AND MEDIANS
 606306-04 CORRUGATED PC CONCRETE MEDIANS
 630001-12 STEEL PLATE BEAM GUARDRAIL
 631006-08 TRAFFIC BARRIER TERMINAL, TYPE 1B
 701006-05 OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
 701101-05 OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
 701106-02 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
 701326-04 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS >45 MPH
 701426-09 LANE CLOSURE, INTERMITTENT OR MOVING OPERATIONS FOR SPEEDS > 45 MPH
 701427-05 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS =< 40 MPH
 701601-09 URBAN LANE CLOSURE, MULTILANE 1W OR 2W WITH NONTRAVERSABLE MEDIAN
 701606-10 URBAN LANE CLOSURE, MULTILANE 2W WITH MOUNTABLE MEDIAN
 701611-01 URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
 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
 725001-01 OBJECT AND TERMINAL MARKERS
 728001-01 TELESCOPING STEEL SIGN SUPPORT
 780001-05 TYPICAL PAVEMENT MARKINGS
 781001-04 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
 782006-01 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
 814001-03 HANDHOLES
 814006-03 DOUBLE HANDHOLES
 857001-01 STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
 862001-01 UNINTERRUPTABLE POWER SUPPLY (UPS)
 873001-02 TRAFFIC SIGNAL GROUNDING & BONDING
 876001-04 PEDESTRIAN PUSH BUTTON POST
 877001-08 STEEL MAST ARM ASSEMBLY AND POLE 16' THRU 55'
 878001-11 CONCRETE FOUNDATION DETAILS
 880001-01 SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
 880006-01 TRAFFIC SIGNAL MOUNTING DETAILS
 886001-01 DETECTOR LOOP INSTALLATIONS
 886006-01 TYPICAL LAYOUTS FOR DETECTION LOOPS

COMMITMENTS

PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES BETWEEN ADJACENT MUNICIPALITIES, AGENCIES AND RAILROADS, THE CONTRACTOR SHALL COORDINATE ALL LANE CLOSURES AND CONSTRUCTION ACTIVITIES WITH THE CONCERNED AGENCIES AND JURISDICTIONS AND THE ENGINEER TWO WEEKS PRIOR TO CLOSING LANES OR BEGINNING CONSTRUCTION.

WILL COUNTY DIVISION ON TRANSPORTATION
 VILLAGE OF NEW LENOX
 NEW LENOX TOWNSHIP
 NORFOLK-SOUTHERN RAILROAD
 METRA

DISTRICT 1 DETAILS

STD NO.	SHEET NO.	DESCRIPTION
BD03	124	OUTLET FOR CONCRETE CURB AND GUTTER
BD12	66	MANHOLE WITH RESTRICTOR PLATE
BD36	125	FIRE HYDRANT TO BE MOVED
BD37	67	MANHOLE TYPE A 7 FT. DIAMETER
BE215	115	LIGHTING CONTROLLER SINGLE DOOR
BE220	116	ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT
BE300	117	LIGHT POLE FOUNDATION, CONCRETE, <=35 FT. M.H. (11" B.C.)
BE310	120	LIGHT POLE FOUNDATION, OFFSET
BE701	118	LUMINAIRE SAFETY CABLE ASSEMBLY
BE702	119	MISCELLANEOUS DETAILS, SHEET A- CABLE SPLICE, POLE WIRING, TRENCH DETAIL
TC10	126	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC11	121	RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
TC13	122	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC16	127	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TS02	108	MAST ARM MOUNTED STREET NAME SIGNS
TS05	90-96	STANDARD TRAFFIC SIGNAL DESIGN DETAILS (7 SHEETS)

GENERAL NOTES

1. THE CONTRACTOR SHALL CONTACT WILL COUNTY DIVISION OF TRANSPORTATION AT (815) 727-8476 AND THE VILLAGE OF NEW LENOX AT (815) 462-6400 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
2. ALL ELEVATIONS IN THE PLANS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN.
4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE OR COUNTY PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
5. SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.
6. ONLY THOSE TREES DESIGNATED BY THE ENGINEER, LISTED IN THE TREE REMOVAL SCHEDULE, OR SHOWN IN THE PLANS SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO OPERATIONS.
7. THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE, AND THEIR EXACT LOCATION IS TO BE VERIFIED BY THE CONTRACTOR AS PER ARTICLE 105.07 OF THE STANDARD SPECIFICATIONS. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT 800-892-0123 OR 811 FOR FIELD LOCATIONS (48 HOUR NOTIFICATION IS REQUIRED).
8. WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
9. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT, OR ANY AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
10. SPECIAL ATTENTION IS CALLED TO ARTICLE 107.12 REGARDING RAILROAD FLAGGERS. A MINIMUM OF FIVE DAYS ADVANCE NOTIFICATION IS REQUIRED TO ARRANGE FOR FLAGGERS. FLAGGERS ARE REQUIRED FOR WORK WITHIN 25 FEET OF ANY TRACK CENTERLINE AND WILL BE REIMBURSED ACCORDING TO ARTICLE 109.05.
11. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE WITH THE NORFOLK SOUTHERN RAILROAD WHENEVER CONSTRUCTION ACTIVITY IS WITHIN 25 FEET OF THE RAILROAD RIGHT OF WAY. THE CONTRACTOR SHALL RETAIN FLAGMEN EMPLOYED AND DESIGNATED BY THE NORFOLK SOUTHERN RAILROAD TO MONITOR ON-COMING TRAIN TRAFFIC, AND ADVISE CONTRACTOR PERSONNEL WHEN ACTIVITY ON OR NEAR THE RAILROAD RIGHT OF WAY MAY PROCEED.
12. THE CONTRACTOR SHALL MAINTAIN EXISTING STREET ACCESS, AND EXISTING DRIVEWAY ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT, UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE ENGINEER.
13. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANT MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATIONS.
14. THE EXISTING TEMPORARY TRAFFIC SIGNAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO THE CONTROLLER CABINET, SIGNAL HEADS, POLES, WIRES, AND DETECTION EQUIPMENT SHALL BE CAREFULLY DISMANTLED AND STOCKPILED ON THE JOB SITE. THE VILLAGE OF NEW LENOX AT (815-462-6400) WILL BE CONTACTED WHEN IT IS READY FOR PICKUP.
15. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
16. 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.
17. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECT BY THE ENGINEER AT CONTRACTOR EXPENSE.
18. PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6³/₃₂ BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER.
19. BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b, c) OF THE SSRBC WILL NOT BE ALLOWED.

DRAINAGE GENERAL NOTES

1. THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTIVE MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWERS AND APPURTENANCES THAT MUST BE KEPT IN OPERATIONS. IN PARTICULAR, THE CONTRACTOR SHALL TAKE ADEQUATE MEASURES TO PREVENT THE UNDERMINING OF UTILITIES AND SEWERS WHICH ARE STILL IN SERVICE. IF EXISTING UTILITIES ARE DAMAGED, THEY SHALL BE REPAIRED BY THE CONTRACTOR.
2. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO MAINTAIN DRAINAGE FLOWS AT ALL TIMES DURING THE PERFORMANCE OF WORK. METHODS USED BY THE CONTRACTOR SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER.
3. THE LOCATION OF VARIOUS EXISTING UNDERGROUND UTILITIES WHICH ARE SHOWN ARE FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. VERIFY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING CONSTRUCTION OPERATIONS. NOTIFY THE ENGINEER IMMEDIATELY IF ANY CONFLICTS WITH EXISTING UTILITIES OCCUR.
4. STORM SEWER BEDDING SHALL BE 4" (MINIMUM) COMPACTED THICKNESS, GRADATION SHALL BE IDOT FA-6. COMPACTION SHALL BE A MINIMUM OF 95% MODIFIED PROCTOR DENSITY. COMPACTED GRANULAR BACKFILL SHALL EXTEND TO THE SPRINGLINE OF THE STORM SEWERS.
5. BACKFILL FOR ALL CULVERTS AND SEWERS LYING UNDER ROADWAY PAVEMENT TO A POINT 24" BEYOND THE EDGE OF PAVEMENT OR BACK OF CURB SHALL BE CONTROLLED LOW STRENGTH MATERIAL IN ACCORDANCE WITH SECTION 593 OF THE STANDARD SPECIFICATIONS. BACKFILL FOR ALL CULVERTS AND SEWERS LYING UNDER DRIVEWAYS, SIDEWALKS AND FUTURE MULTI-USE PATHS SHALL BE COMPACTED GRANULAR TRENCH BACKFILL IN ACCORDANCE WITH SECTION 208 OF THE STANDARD SPECIFICATIONS. TRENCH BACKFILL GRADATION SHALL BE CA-6.
6. SEE DRAINAGE DETAILS FOR LOCATIONS OF STRUCTURE OFFSETS AND RIM ELEVATION.
7. EXISTING FIELD TILES MAY BE ENCOUNTERED DURING GRADING WORK. SEE FIELD TILE SPECIAL PROVISION FOR INFORMATION ON REPAIR OF DAMAGED TILES.
8. THE CONTRACTOR SHALL DETERMINE WHEN FLAT SLAB TOPS ARE REQUIRED ON MANHOLES AND CATCH BASINS. WHEN ADJUSTING TO GRADE, A MAXIMUM OF 3 RINGS WILL BE ALLOWED. MAXIMUM HEIGHT OF ADJUSTMENT IS 18".

FILE NAME =	USER NAME = mohammed.01	DESIGNED	JDW	REVISED	-	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES CEDAR ROAD AT LARAWAY ROAD			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P:\projects\13003\000\1\CADD_Sheets\401-684-sht-GeneralNotes.dgn		DRAWN	JDW	REVISED	-		369	08-00138-28-TL	WILL	156	3	CONTRACT NO. 61889		
\$MODELNAME\$	PLOT SCALE = 20.0000' / in.	CHECKED	RCH	REVISED	-		SCALE:			SHEET 1	OF 1	SHEETS	STA.	TO STA.
	PLOT DATE = 4/27/2021	DATE	3/31/21	REVISED	-		ILLINOIS FED. AID PROJECT							

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CMAQ/STP FUNDS - 80% FEDERAL, 20% WILL COUNTY			NON-PARTICIPATING ITEMS 100% VILLAGE OF NEW LENOX
				ROADWAY 0004 URBAN	SIGNALIZATION 0021 URBAN	LIGHTING 0021 URBAN	WATERMAIN 0043 URBAN
20101000	TEMPORARY FENCE	FOOT	300	300			
20200100	EARTH EXCAVATION	CU YD	42230	42230			
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	8000	8000			
20800150	TRENCH BACKFILL	CU YD	62	62			
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	13000	13000			
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	21236	21236			
21301052	EXPLORATION TRENCH 52" DEPTH	FOOT	300	300			
25000210	SEEDING, CLASS 2A	ACRE	13.70	13.70			
25000310	SEEDING, CLASS 4	ACRE	2.15	2.15			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1234	1234			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1234	1234			
25100630	EROSION CONTROL BLANKET	SQ YD	66325	66325			
25200110	SODDING, SALT TOLERANT	SQ YD	3778	3778			
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1585	1585			
28000305	TEMPORARY DITCH CHECKS	FOOT	504	504			
28000400	PERIMETER EROSION BARRIER	FOOT	17250	17250			
28000510	INLET FILTERS	EACH	124	124			
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	11381	11381			
28100105	STONE RIPRAP, CLASS A3	SQ YD	326	326			
28100107	STONE RIPRAP, CLASS A4	SQ YD	317	317			
28100109	STONE RIPRAP, CLASS A5	SQ YD	347	347			

* SPECIALTY ITEM

FILE NAME = P:\projects\13003\000\CADD_Sheets\401	USER NAME = mohamed.01	DESIGNED JDW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES CEDAR ROAD AND LARAWAY ROAD			F.A.J. RTE. 369	SECTION 08-00138-28-TL	COUNTY WILL	TOTAL SHEETS 156	SHEET NO. 4
	684-sht-500.dgn	DRAWN JDW	REVISED -		SCALE:	SHEET 1	OF 8	SHEETS	STA.	TO STA.	CONTRACT NO. 61889	
	PLOT SCALE = 2.0000' / in.	CHECKED RCH	REVISED -		ILLINOIS FED. AID PROJECT							
\$MODELNAME\$	PLOT DATE = 4/26/2021	DATE 3/31/21	REVISED -									

S00-1

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CMAQ/STP FUNDS - 80% FEDERAL, 20% WILL COUNTY			NON-PARTICIPATING ITEMS
				ROADWAY 0004 URBAN	SIGNALIZATION 0021 URBAN	LIGHTING 0021 URBAN	WATERMAIN 0043 URBAN
28100705	STONE DUMPED RIPRAP, CLASS A3	SQ YD	115	115			
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	8000	8000			
30300112	AGGREGATE SUBGRADE IMPROVEMENT, 12"	SQ YD	48270	48270			
31101200	SUBBASE GRANULAR MATERIAL, TYPE B, 4"	SQ YD	25	25			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	400	400			
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	101	101			
40700100	BITUMINOUS MATERIALS (TACK COAT)	SQ YD	26500	26500			
40701941	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 13"	SQ YD	38367	38367			
44000100	PAVEMENT REMOVAL	SQ YD	33806	33806			
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	766	766			
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	537	537			
44003100	MEDIAN REMOVAL	SQ FT	5364	5364			
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	1064	1064			
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	4904	4904			
50105220	PIPE CULVERT REMOVAL	FOOT	796	796			
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1			
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	6	6			
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2	2			
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2			
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	11	11			
54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	EACH	1	1			

* SPECIALTY ITEM

FILE NAME : P:\projects\13023\000\CADD\Sheets\401-584-shr-500.dgn	USER NAME : mohammed.ali	DESIGNED JDW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES CEDAR ROAD AND LARAWAY ROAD			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 2.0000 ' / in.	DRAWN JDW	CHECKED RCH	REVISED -					369	08-00138-28-TL	WILL	156	5
PLOT DATE = 5/7/2021	DATE 3/31/21	REVISED -			SCALE: SHEET 2 OF 8 SHEETS STA. TO STA.			CONTRACT NO. 61889				
					ILLINOIS FED. AID PROJECT							

S00-2

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CMAQ/STP FUNDS - 80% FEDERAL, 20% WILL COUNTY			NON-PARTICIPATING ITEMS
				ROADWAY 0004 URBAN	SIGNALIZATION 0021 URBAN	LIGHTING 0021 URBAN	WATERMAIN 0043 URBAN
54213705	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 60"	EACH	1	1			
54261712	STEEL FLARED END SECTIONS 12"	EACH	14	14			
54261724	STEEL FLARED END SECTIONS 24"	EACH	9	9			
54260315	TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTION	FOOT	194	194			
5422D012	PIPE CULVERTS, CLASS D, TYPE 2 12" (TEMPORARY)	FOOT	155	155			
5422D015	PIPE CULVERTS, CLASS D, TYPE 2 15" (TEMPORARY)	FOOT	20	20			
5422D024	PIPE CULVERTS, CLASS D, TYPE 2 24" (TEMPORARY)	FOOT	136	136			
542A1069	PIPE CULVERTS, CLASS A, TYPE 2 24"	FOOT	98	98			
542A1075	PIPE CULVERTS, CLASS A, TYPE 2 30"	FOOT	444	444			
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	261	261			
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	158	158			
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	156	156			
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	2926	2926			
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	115	115			
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	381	381			
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	1549	1549			
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	260	260			
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	314	314			
550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	FOOT	305	305			
550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	FOOT	1739	1739			
550A0490	STORM SEWERS, CLASS A, TYPE 2 54"	FOOT	184	184			

* SPECIALTY ITEM

FILE NAME = P:\projects\13883\000\1\CADD_Sheets\401	USER NAME = mohammed.ols	DESIGNED JDW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES CEDAR ROAD AND LARAWAY ROAD				F.A.U. RTE. 369	SECTION 08-00138-28-TL	COUNTY WILL	TOTAL SHEETS 156	SHEET NO. 6
MODELNAME	PLOT SCALE = 2.0000' / 1"	CHECKED RCH	REVISED -		SCALE:	SHEET 3	OF 8	SHEETS	STA.	TO STA.	CONTRACT NO. 61889		
	PLOT DATE = 4/26/2021	DATE 3/31/21	REVISED -		ILLINOIS FED. AID PROJECT								
S00-3													

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CMAQ/STP FUNDS - 80% FEDERAL, 20% WILL COUNTY			NON-PARTICIPATING ITEMS
				ROADWAY 0004 URBAN	SIGNALIZATION 0021 URBAN	LIGHTING 0021 URBAN	WATERMAIN 0043 URBAN
550A0500	STORM SEWERS, CLASS A, TYPE 2 60"	FOOT	340	340			
550A4720	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 54"	FOOT	384	384			
* 56103400	DUCTILE IRON WATER MAIN 16"	FOOT	202				202
* 56105760	BUTTERFLY VALVES 16"	EACH	3				3
* 56109210	WATER VALVES TO BE ADJUSTED	EACH	2				2
* 56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	4				4
* 56400400	FIRE HYDRANTS TO BE RELOCATED	EACH	8				8
* 56400825	FIRE HYDRANT WITH AUXILIARY VALVE, VALVE BOX AND TEE	EACH	1				1
59300100	CONTROLLED LOW STRENGTH MATERIAL	CU YD	2037	2037			
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	27	27			
60100915	PIPE DRAINS 6"	FOOT	100	100			
60100925	PIPE DRAINS 8"	FOOT	40	40			
60108100	PIPE UNDERDRAINS, 4" (SPECIAL)	FOOT	1656	1656			
60108104	PIPE UNDERDRAINS, TYPE 1, 4"	FOOT	10530	10530			
60201205	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 12 FRAME AND GRATE	EACH	1	1			
60201340	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 24 FRAME AND GRATE	EACH	28	28			
60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	2	2			
60218300	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	11	11			
60221000	MANHOLES, TYPE A, 5' -DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	3	3			
60223700	MANHOLES, TYPE A, 6' -DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	20	20			
60224445	MANHOLES, TYPE A, 7' -DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1			

* SPECIALTY ITEM

FILE NAME =	USER NAME = mohammed.ai:	DESIGNED JDW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES CEDAR ROAD AND LARAWAY ROAD			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P:\projects\130023\000\C\CADD_Sheets\401-684-sh-t-500.dgn	DRAWN JDW	REVISED -	369					08-00138-28-TL	WILL	156	7	
\$MODELNAME\$	PLOT SCALE = 2.0000 ' / in.	CHECKED RCH	REVISED -		SCALE:	SHEET 4 OF 8 SHEETS	STA.	TO STA.	CONTRACT NO. 61889		ILLINOIS FED. AID PROJECT	
	PLOT DATE = 5/7/2021	DATE 3/31/21	REVISED -									

S00-4

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CMAQ/STP FUNDS - 80% FEDERAL, 20% WILL COUNTY			NON-PARTICIPATING ITEMS 100% VILLAGE OF NEW LENOX
				ROADWAY 0004 URBAN	SIGNALIZATION 0021 URBAN	LIGHTING 0021 URBAN	WATERMAIN 0043 URBAN
60224459	MANHOLES, TYPE A, 8' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	4			
60235300	ADD INLETS, TYPE A, TYPE 1, CLOSED LID	EACH	12	12			
60236900	INLETS, TYPE A, TYPE 12 FRAME AND GRATE	EACH	3	3			
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	26	26			
60240315	INLETS, TYPE B, TYPE 12 FRAME AND GRATE	EACH	2	2			
60240328	INLETS, TYPE B, TYPE 24 FRAME AND GRATE	EACH	9	9			
* 60248900	VALVE VAULTS, TYPE A, 5' DIAMETER, TYPE I FRAME, CLOSED LID	EACH	3				3
60250200	CATCH BASINS TO BE ADJUSTED	EACH	2	2			
60255500	MANHOLES TO BE ADJUSTED	EACH	8	8			
60402640	GRATES, TYPE 24	EACH	34	34			
60500040	REMOVING MANHOLES	EACH	2	2			
60500050	REMOVING CATCH BASINS	EACH	3	3			
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	56	56			
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	3608	3608			
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	7915	7915			
60618300	CONCRETE MEDIAN SURFACE, 4"	SQ FT	225	225			
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	4816	4816			
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS	FOOT	100	100			
* 63000370	LONG-SPAN GUARDRAIL OVER CULVERT, 25-FT SPAN	FOOT	25	25			
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1			
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1	1			

* SPECIALTY ITEM

FILE NAME =	USER NAME = mohammed.ols	DESIGNED JDW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES CEDAR ROAD AND LARAWAY ROAD			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
P:\projects\13003\000\VC\CADD_Sheets\401-684-sht-S00.dgn		DRAWN JDW	REVISED -		SCALE:	SHEET 5	OF 8	SHEETS	STA.	TO STA.	WILL	156	8
		CHECKED RCH	REVISED -		CONTRACT NO. 61B89								
\$MODELNAME\$		DATE 3/31/21	REVISED -		ILLINOIS FED. AID PROJECT								

S00-5

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CMAQ/STP FUNDS - 80% FEDERAL, 20% WILL COUNTY			NON-PARTICIPATING ITEMS 100% VILLAGE OF NEW LENOX	
				ROADWAY 0004 URBAN	SIGNALIZATION 0021 URBAN	LIGHTING 0021 URBAN	WATERMAIN 0043 URBAN	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	100	100				
* 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 DAY	5	5				
67100100	MOBILIZATION	LSUM	1	1				
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DAY	100	100				
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	40	40				
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	297	297				
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	89123	89123				
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	787	787				
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	253	253				
70400100	TEMPORARY CONCRETE BARRIER	FOOT	788	788				
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	625	625				
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	4	4				
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2				
* 72000100	SIGN PANEL - TYPE 1	SQ FT	198	198				
* 72000200	SIGN PANEL - TYPE 2	SQ FT	40	40				
* 72000300	SIGN PANEL - TYPE 3	SQ FT	50	50				
* 72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	82	82				
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2				

* SPECIALTY ITEM

FILE NAME =	USER NAME = mohammed.ali	DESIGNED JDW	REVISED -
P:\projects\13003\000\CADD\Sheets\401	684-shr-500.dgn	DRAWN JDW	REVISED -
	PLOT SCALE = 2.0000 "/ in.	CHECKED RCH	REVISED -
\$MODELNAME\$	PLOT DATE = 4/26/2021	DATE 3/31/21	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
CEDAR ROAD AND LARAWAY ROAD

SCALE: SHEET 6 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	9
CONTRACT NO. 61B89			ILLINOIS FED. AID PROJECT	

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CMAQ/STP FUNDS - 80% FEDERAL, 20% WILL COUNTY			NON-PARTICIPATING ITEMS 100% VILLAGE OF NEW LENOX
				ROADWAY 0004 URBAN	SIGNALIZATION 0021 URBAN	LIGHTING 0021 URBAN	WATERMAIN 0043 URBAN
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	410	410			
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1043	1043			
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	26792	26792			
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	5098	5098			
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	412	412			
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	310	310			
* 78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	410	410			
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	245	245			
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	16	16			
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	125	125			
* 78300202	PAVEMENT MARKING REMOVAL-WATERBLASTING	SQ FT	12136	12136			
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1			1	
* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	LSUM	1			1	
* 80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	1		1		
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1142			1142	
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	147		147		
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1177		477	700	
* 81400100	HANDHOLE	EACH	7		7		
* 81400200	HEAVY-DUTY HANDHOLE	EACH	4		4		
* 81400300	DOUBLE HANDHOLE	EACH	1		1		
* 81603051	UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	6650			6650	

* SPECIALTY ITEM

FILE NAME = P:\projects\13003\000\CADD_Sheets\401-684-shit-500.dgn	USER NAME = mohammed.s1	DESIGNED JDW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES CEDAR ROAD AND LARAWAY ROAD			F.A.U. RTE. 369	SECTION 08-00138-28-TL	COUNTY WILL	TOTAL SHEETS 154	SHEET NO. 10
MODELNAME\$	PLOT SCALE = 2.0000' / in.	CHECKED RCH	REVISED -					SCALE:	SHEET 7 OF 8 SHEETS	STA. TO STA.	CONTRACT NO. 61889	
	PLOT DATE = 5/10/2021	DATE 3/31/21	REVISED -		ILLINOIS FED. AID PROJECT							
500-7												

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CMAQ/STP FUNDS - 80% FEDERAL, 20% WILL COUNTY			NON-PARTICIPATING ITEMS
				ROADWAY 0004 URBAN	SIGNALIZATION 0021 URBAN	LIGHTING 0021 URBAN	WATERMAIN 0043 URBAN
* 81702160	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 1/O	FOOT	600			600	
* 82500390	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP (DUAL)	EACH	1			1	
* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	320			320	
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	827		827		
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2162		2162		
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2568		2568		
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2593		2593		
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	57		57		
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	693		693		
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4		4		
* 87700300	STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	3		3		
* 87700320	STEEL MAST ARM ASSEMBLY AND POLE, 55 FT.	EACH	1		1		
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16		16		
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4		
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60		60		
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6		6		
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6		6		
* 88030220	SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2		2		
* 88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2		2		
* 88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	12		12		
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	10		10		

* SPECIALTY ITEM

FILE NAME = P:\projects\13003\000\CADD\Sheets\401	USER NAME = mohammed.eli	DESIGNED JDW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES CEDAR ROAD AND LARAWAY ROAD				F.A.U. RTE. 369	SECTION 08-00138-28-TL	COUNTY WILL	TOTAL SHEETS 156	SHEET NO. 11
#MODELNAME#	684-sh1-500.dgn	DRAWN JDW	REVISED -		SCALE:	SHEET 8	OF 8	SHEETS	STA. TO STA.	CONTRACT NO. 61889			
	PLOT SCALE = 2.0000 ' / in.	CHECKED RCH	REVISED -							ILLINOIS FED. AID PROJECT			
	PLOT DATE = 4/26/2021	DATE 3/31/21	REVISED -										

500-8

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CMAQ/STP FUNDS - 80% FEDERAL, 20% WILL COUNTY			NON-PARTICIPATING ITEMS 100% VILLAGE OF NEW LENOX	
				ROADWAY 0004 URBAN	SIGNALIZATION 0021 URBAN	LIGHTING 0021 URBAN	WATERMAIN 0043 URBAN	
* 88600100	DETECTOR LOOP, TYPE I	FOOT	814		814			
* 88700200	LIGHT DETECTOR	EACH	1		1			
* 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1			
* 89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2		2			
* 89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1		1			
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1			
* X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	827		827			
* X0325273	REMOVE AND REINSTALL VIDEO DETECTION CAMERA	EACH	4		4			
* X0327698	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4		4			
* X1400107	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET	EACH	1		1			
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	1	1				
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	2	2				
X4024000	TEMPORARY ACCESS (FIELD ENTRANCE)	EACH	9	9				
X6020094	MANHOLES, TYPEA, 6' DIAMETER, TYPE I FRAME, CLOSED LID, RESTRICTOR PLACE	EACH	1	1				
X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	12	12				
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1				
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	11017	11017				
* XX009297	LUMINARIE, LED, HORIZONTAL MOUNT, SPECIAL	EACH	51			51		
* X8300001	LIGHT POLE, SPECIAL	EACH	47			47		
* X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	165			165		
* X8620200	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	2		1	1		

* SPECIALTY ITEM

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CMAQ/STP FUNDS - 80% FEDERAL, 20% WILL COUNTY			NON-PARTICIPATING ITEMS 100% VILLAGE OF NEW LENOX	
				ROADWAY 0004 URBAN	SIGNALIZATION 0021 URBAN	LIGHTING 0021 URBAN	WATERMAIN 0043 URBAN	
* X8950115	RELOCATE LIGHT DETECTOR	EACH	2		2			
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1				
* Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	51			51		
* Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6			6		
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	LSUM	1	1				
Z0062456	TEMPORARY PAVEMENT	SQ YD	13320	13320				
Z0064505	SECTION CORNER MARKERS	EACH	1	1				
* Z0068300	STEEL CASING 36"	FOOT	144					144
* Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1		1			
# Z0076600	TRAINEES	HOUR	1500	1500				
# Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1500	1500				

* SPECIALTY ITEM #0042

FILE NAME = P:\projects\13003\000\C\CADD_Sheets\401	USER NAME = mohammed.als	DESIGNED JDW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES CEDAR ROAD AND LARAWAY ROAD			F.A.U. RTE. 369	SECTION 08-00138-28-TL	COUNTY WILL	TOTAL SHEETS 156	SHEET NO. 13
	684-ah-500.dgn	DRAWN JDW	REVISED -		SCALE:	SHEET 8	OF 8 SHEETS	STA.	TO STA.	CONTRACT NO. 61B89		
	PLOT SCALE = 2.0000 ' / in.	CHECKED RCH	REVISED -		ILLINOIS FED. AID PROJECT							
\$MODELNAME\$	PLOT DATE = 4/26/2021	DATE 3/31/21	REVISED -									

800-8

PAVEMENT MARKING								
ROAD	STA. BEGIN	STA. END	LENGTH	AREA	WIDTH	COLOR	TYPE	DESCRIPTION
LARAWAY ROAD	1183+32.83	1185+52.83	220		6"	WHITE	6" - SKIP DASH (DOTTED)	EAST BOUND LANE
LARAWAY ROAD	1180+41.22	1187+68.78	727		6"	WHITE	6" - SKIP DASH	EAST BOUND LANE
LARAWAY ROAD	1189+24.54	1201+33.00	1208		6"	WHITE	6" - SKIP DASH	EAST BOUND LANE
LARAWAY ROAD	1185+33.78	1187+48.78	215		6"	WHITE	6" - SOLID	EAST BOUND LANE
LARAWAY ROAD	1185+33.78	1187+68.78	235		6"	WHITE	6" - SOLID	EAST BOUND LANE
LARAWAY ROAD	1185+52.83	1187+68.78	215		6"	WHITE	6" - SOLID	EAST BOUND LANE
LARAWAY ROAD	1180+91.13	1185+33.78	443		6"	WHITE	6" - SKIP DASH (DOTTED)	EAST BOUND LANE
LARAWAY ROAD	1180+91.13	1187+37.14	646		6"	WHITE	6" - SKIP DASH	WEST BOUND LANE
LARAWAY ROAD	1189+11.72	1201+33.00	1221		6"	WHITE	6" - SKIP DASH	WEST BOUND LANE
LARAWAY ROAD	1189+11.72	1191+26.72	215		6"	WHITE	6" - SOLID	WEST BOUND LANE
LARAWAY ROAD	1189+11.72	1191+26.72	215		6"	WHITE	6" - SOLID	WEST BOUND LANE
LARAWAY ROAD	1189+11.72	1191+33.05	221		6"	WHITE	6" - SOLID	WEST BOUND LANE
LARAWAY ROAD	1191+33.05	1193+54.00	221		6"	WHITE	6" - SKIP DASH (DOTTED)	WEST BOUND LANE
LARAWAY ROAD	1191+26.72	1195+66.72	440		6"	WHITE	6" - SKIP DASH (DOTTED)	WEST BOUND LANE
LARAWAY ROAD	1168+70.00	1176+12.64	743		4"	YELLOW	4" - DOUBLE YELLOW	CENTERLINE
LARAWAY ROAD	1168+70.00	1187+67.05	1997		4"	WHITE	4" - SOLID	EDGE- EB LANE
LARAWAY ROAD	1168+70.00	1187+67.05	1997		4"	WHITE	4" - SOLID	EDGE- WEST BOUND LANE
LARAWAY ROAD	1188+94.15	1201+33.00	1239		4"	WHITE	4" - SOLID	EDGE - EAST BOUND LANE
LARAWAY ROAD	1188+94.30	1201+33.00	1239		4"	WHITE	4" - SOLID	EDGE- WEST BOUND LANE
LARAWAY ROAD	1176+12.64	1187+52.73	1140		4"	YELLOW	4" - SOLID	MEDIAN EDGE - WB LANE
LARAWAY ROAD	1176+12.64	1187+52.73	1140		4"	YELLOW	4" - SOLID	MEDIAN EDGE - EB LANE
LARAWAY ROAD	1189+08.24	1201+33.00	1225		4"	YELLOW	4" - SOLID	MEDIAN EDGE - WB LANE
LARAWAY ROAD	1189+08.24	1201+33.00	1225		4"	YELLOW	4" - SOLID	MEDIAN EDGE - EB LANE
CEDAR ROAD	215+61.11	224+75.81	915		6"	WHITE	6" - SKIP DASH	NORTH BOUND LANE
CEDAR ROAD	226+40.11	231+14.93	475		6"	WHITE	6" - SKIP DASH	NORTH BOUND LANE
CEDAR ROAD	222+40.93	224+75.81	235		6"	WHITE	6" - SOLID	NORTH BOUND LANE
CEDAR ROAD	222+60.93	224+75.81	215		6"	WHITE	6" - SOLID	NORTH BOUND LANE
CEDAR ROAD	220+20.86	222+40.93	220		6"	WHITE	6" - SKIP DASH (DOTTED)	NORTH BOUND LANE
CEDAR ROAD	219+00.89	222+60.93	360		6"	WHITE	6" - SKIP DASH (DOTTED)	NORTH BOUND LANE
CEDAR ROAD	219+20.42	224+59.94	540		6"	WHITE	6" - SKIP DASH	SOUTH BOUND LANE
CEDAR ROAD	226+40.22	231+15.22	475		6"	WHITE	6" - SKIP DASH	SOUTH BOUND LANE
CEDAR ROAD	226+40.22	228+60.41	220		6"	WHITE	6" - SOLID	SOUTH BOUND LANE
CEDAR ROAD	226+40.22	229+15.22	275		6"	WHITE	6" - SOLID	SOUTH BOUND LANE
CEDAR ROAD	228+60.41	230+60.27	200		6"	WHITE	6" - SKIP DASH (DOTTED)	SOUTH BOUND LANE
CEDAR ROAD	229+15.22	231+15.22	200		6"	WHITE	6" - SKIP DASH (DOTTED)	SOUTH BOUND LANE
CEDAR ROAD	207+60.00	224+61.62	1702		4"	YELLOW	4" - DOUBLE YELLOW	CENTERLINE
CEDAR ROAD	226+58.79	242+00.00	1531		4"	YELLOW	4" - DOUBLE YELLOW	CENTERLINE
CEDAR ROAD	215+61.33	224+61.62	220		12"	YELLOW	12" - DIAGONAL	CENTER MEDIAN
CEDAR ROAD	226+59.79	235+14.90	192		12"	YELLOW	12" - DIAGONAL	CENTER MEDIAN
CEDAR ROAD	207+60.00	224+88.83	1729		4"	WHITE	4" - SOLID	EDGE - SB LANE

PAVEMENT MARKING								
ROAD	STA. BEGIN	STA. END	LENGTH	AREA	WIDTH	COLOR	TYPE	DESCRIPTION
LARAWAY ROAD	207+60.00	224+88.54	1729		4"	WHITE	4" - SOLID	EDGE - NB LANE
LARAWAY ROAD	226+28.00	242+00.00	1572		4"	WHITE	4" - SOLID	EDGE- SB LANE
LARAWAY ROAD	226+26.84	242+00.00	1573		4"	WHITE	4" - SOLID	EDGE - NB LANE
CEDAR ROAD	1187+46.23		24		24"	WHITE	STOP BAR	EAST BOUND LANE
CEDAR ROAD	1187+67.83		55		24"	WHITE	STOP BAR	EAST BOUND LANE
CEDAR ROAD	1189+11.72		67		24"	WHITE	STOP BAR	WEST BOUND LANE
CEDAR ROAD	224+55.89		12		24"	WHITE	STOP BAR	NORTH BOUND LANE
LARAWAY ROAD	224+75.89		46		24"	WHITE	STOP BAR	NORTH BOUND LANE
LARAWAY ROAD	226+40.22		46		24"	WHITE	STOP BAR	SOUTH BOUND LANE
LARAWAY ROAD	226+60.22		12		24"	WHITE	STOP BAR	SOUTH BOUND LANE
LARAWAY ROAD	1185+43.78					WHITE	ONLY	EAST BOUND LANE
LARAWAY ROAD	1185+43.78					WHITE	ONLY	EAST BOUND LANE
LARAWAY ROAD	1185+63.78					WHITE	ONLY	EAST BOUND LANE
LARAWAY ROAD	1185+67.78					WHITE	LEFT TURN ARROW	EAST BOUND LANE
LARAWAY ROAD	1185+67.78					WHITE	LEFT TURN ARROW	EAST BOUND LANE
LARAWAY ROAD	1185+87.78					WHITE	RIGHT TURN ARROW	EAST BOUND LANE
LARAWAY ROAD	1187+06.78					WHITE	ONLY	EAST BOUND LANE
LARAWAY ROAD	1187+06.78					WHITE	ONLY	EAST BOUND LANE
LARAWAY ROAD	1187+26.78					WHITE	ONLY	EAST BOUND LANE
LARAWAY ROAD	1187+30.78					WHITE	LEFT TURN ARROW	EAST BOUND LANE
LARAWAY ROAD	1187+30.78					WHITE	LEFT TURN ARROW	EAST BOUND LANE
LARAWAY ROAD	1187+50.78					WHITE	RIGHT TURN ARROW	EAST BOUND LANE
LARAWAY ROAD	1189+31.00					WHITE	LEFT TURN ARROW	WEST BOUND LANE
LARAWAY ROAD	1189+31.00					WHITE	LEFT TURN ARROW	WEST BOUND LANE
LARAWAY ROAD	1189+36.00					WHITE	RIGHT TURN ARROW	WEST BOUND LANE
LARAWAY ROAD	1189+54.00					WHITE	ONLY	WEST BOUND LANE
LARAWAY ROAD	1189+54.00					WHITE	ONLY	WEST BOUND LANE
LARAWAY ROAD	1189+59.00					WHITE	ONLY	WEST BOUND LANE
LARAWAY ROAD	1191+00.00					WHITE	LEFT TURN ARROW	WEST BOUND LANE
LARAWAY ROAD	1191+00.00					WHITE	LEFT TURN ARROW	WEST BOUND LANE
LARAWAY ROAD	1191+05.00					WHITE	RIGHT TURN ARROW	WEST BOUND LANE
CEDAR ROAD	1191+18.00					WHITE	ONLY	WEST BOUND LANE
CEDAR ROAD	1191+18.00					WHITE	ONLY	WEST BOUND LANE
CEDAR ROAD	1191+23.00					WHITE	ONLY	WEST BOUND LANE
CEDAR ROAD	222+51.16					WHITE	ONLY	NB LEFT TURN LANE
CEDAR ROAD	222+71.16					WHITE	ONLY	NB RIGHT TURN LANE
CEDAR ROAD	222+74.16					WHITE	LEFT TURN ARROW	NB LEFT TURN LANE
CEDAR ROAD	222+94.16					WHITE	RIGHT TURN ARROW	NB RIGHT TURN LANE
CEDAR ROAD	224+14.16					WHITE	ONLY	NB LEFT TURN LANE
CEDAR ROAD	224+34.16					WHITE	ONLY	NB RIGHT TURN LANE

REMOVAL									
	20100500	44000100	44000200	44000500	44003100	50105220	60500040	60500050	78300201
	TREE REMOVAL - ACRES	PAVEMENT REMOVAL SQ YD	DRIVEWAY PAVEMENT REMOVAL SQ YD	COMBINATION CURB AND GUTTER REMOVAL FOOT	MEDIAN REMOVAL SQ FT	PIPE CULVERT REMOVAL FOOT	REMOVING MANHOLES EACH	REMOVING CATCHBASINS EACH	PAVEMENT MARKING REMOVAL SQ FT
DRAWING	ACRE	SQ YD	SQ YD	FOOT	SQ FT	FOOT	EACH	EACH	SQ FT
REM-1		7919	336	0		449	2	3	125
REM-2		6758	142	537	5364	131			205
REM-3	0.25	5809	288	0		216			252
MOT-STAGE 2		13320							
TOTAL	0.25	33806	766	537	5364	796	2	3	582

EROSION CONTROL						
	28000250	28000305	28000400	28000510	28001100	28100705
	TEMPORARY EROSION CONTROL SEEDING POUND	TEMPORARY DITCH CHECKS FOOT	PERIMETER EROSION BARRIER FOOT	INLET FILTERS EACH	TEMPORARY EROSION CONTROL BLANKET SQ YD	STONE DUMPED RIPRAP, CLASS A3 (TEMPORARY) SQ YD
DRAWING	POUND	FOOT	FOOT	EACH	SQ YD	SQ YD
EC-1	504	56	5087	21	4992	20.3
EC-2	352	152	4788	54	2080	0
EC-3	382	224	5670	43	3699	80.4
EC-4	132	72	1705	6	610	14.6
TOTAL	1370	504	17250	124	11381	115

FINAL GRADING AND LANDSCAPING						
	25000210	25000310	25000400	25000600	25100630	25200110
	SEEDING, CLASS 2A ACRES	SEEDING, CLASS 4 ACRES	NITROGEN FERTILIZER NUTRIENT POUND	POTASSIUM FERTILIZER NUTRIENT POUND	EROSION CONTROL BLANKET (PERMANENT) SQ YD	SODDING, SALT TOLERANT SQ YD
DRAWING	ACRES	ACRES	POUND	POUND	SQ YD	SQ YD
LS-1	4.63	2.15	418	418	22429	0
LS-2	3.92	0.00	353	353	18989	3778
LS-3	3.82	0.00	344	344	18497	0
LS-4	1.32	0.00	119	119	6410	0
TOTAL	13.70	2.15	1234	1234	66325	3778

RIPRAP			
	28100105	28100107	28100109
	STONE RIPRAP, CLASS A3 (PERMANENT) SQ YD	STONE RIPRAP, CLASS A4 (PERMANENT) SQ YD	STONE RIPRAP, CLASS A5 (PERMANENT) SQ YD
DRAWING	SQ YD	SQ YD	SQ YD
DR-1	102.0	20.4	346.6
DR-2	0.0	0.0	0.0
DR-3	63.9	86.8	0.0
DR-4	14.6	0.0	0.0
DR-5	0.0	0.0	0.0
DR-6	43.8	0.0	0.0
DR-7	22.3	186.6	0.0
DR-8	79.6	23.0	0.0
TOTAL	326	317	347

PAVEMENT AND BARRIER												
	30300112	31101200	40700100	40604060	40701941	48101500	48203029	60603800	60605000	60618300	60619600	Z0062456
	AGGREGATE SUBGRADE IMPROVEMENT 12" SQ YD	SUBBASE GRANULAR MATERIAL, TYPE B 4" SQ YD	BITUMINOUS MATERIALS (TACK COAT) POUND	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 TON	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 13" SQ YD	AGGREGATE SHOULDERS, TYPE B 6" SQ YD	HOT-MIX ASPHALT SHOULDERS, 8" SQ YD	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 FOOT	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 FOOT	CONCRETE MEDIAN SURFACE, 4" SQ FT	CONCRETE MEDIAN, TYPE SB-6.12 SQ FT	TEMPORARY PAVEMENT SQ YD
DRAWING	SQ YD	SQ YD	POUND	TON	SQ YD	SQ YD	SQ YD	FOOT	FOOT	SQ FT	SQ FT	SQ YD
PLN-1	7973		3947	35	5848	358	1744	726	1896	225	0	
PLN-2	15188		8843		13100	0		1810	2975		3230	
PLN-3	3170		1702	15	2522	0		946	946		1586	
PLN-4	2836		1082	24	1603	373	951	0	0		0	
PLN-5	12049		6965	7	10318	0	699	0	1824			
PLN-6	7054	25	3359	20	4976	333	1510	126	274	0	0	
MOT-STAGE 1 (1 OF 3)												5627
MOT-STAGE 1 (2 OF 3)												2914
MOT-STAGE 1 (3 OF 3)												4779
TOTAL	48270	25	25898	101	38367	1064	4904	3608	7915	225	4816	13320

EARTHWORK

		EARTHWORK FOR TEMPORARY PAVEMENT INSTALLATION IN PRE-STAGE					EARTHWORK FOR STAGES 1 THRU 4					TOTAL EARTHWORK QUANTITIES					
LOCATION	BEGIN STA.	END STA.	EARTH EXCAVATION FOR TEMPORARY PAVEMENT TOPSOIL PLACEMENT (4") (CY)	EARTH EXCAVATION FOR TEMPORARY PAVEMENT TOPSOIL STRIP (4") (CY)	EARTH EXCAVATION FOR TEMPORARY PAVEMENT CUT (CY)	EARTH EXCAVATION FOR TEMPORARY PAVEMENT FILL (CY)	UNSUITABLE MATERIAL (CY)	EARTH EXCAVATION FOR TOPSOIL STRIP (6") (CY)	EARTH EXCAVATION FOR TOPSOIL PLACEMENT (CY)	EARTH EXCAVATION CUT (CY)	EARTH EXCAVATION FILL (CY)	TOTAL EARTH EXCAVATION CUT (CY)	TOTAL EARTH EMBANKMENT FOR FILL ADJUSTED FOR SHRINKAGE (15%) (CY)	TOTAL EARTH EXCAVATION FILL (CY)	TOTAL TOPSOIL STRIP (CY)	TOTAL TOPSOIL PLACEMENT (CY)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CY)
LARAWAY ROAD	1166+00.00	1167+00.00	11.5	11.5	20.4	33.0	0.0	75.9	73.1	24.6	10.0	45.0	38.3	43.0	87.4	84.6	-4.7
LARAWAY ROAD	1167+00.00	1168+00.00	23.1	23.1	48.1	78.9	0.0	179.6	175.0	62.2	27.6	110.4	93.8	106.5	202.8	198.1	-12.7
LARAWAY ROAD	1168+00.00	1169+00.00	23.1	23.1	58.1	101.7	0.0	207.4	203.7	89.4	42.0	147.6	125.5	143.7	230.6	226.9	-18.3
LARAWAY ROAD	1169+00.00	1170+00.00	23.1	23.1	65.0	117.4	0.0	211.1	202.4	132.2	56.7	197.2	167.6	174.1	234.3	225.6	-6.4
LARAWAY ROAD	1170+00.00	1171+00.00	37.2	37.2	107.2	164.3	0.0	234.6	223.3	171.3	97.6	278.5	236.7	261.9	271.9	260.6	-25.1
LARAWAY ROAD	1171+00.00	1171+54.11	25.9	25.9	73.3	101.9	0.0	137.1	128.5	92.1	181.2	165.4	140.6	283.1	163.0	154.4	-142.5
LARAWAY ROAD	1171+54.11	1172+00.00	16.0	16.0	49.2	72.0	0.0	115.2	106.6	70.9	182.0	120.0	102.0	254.0	131.2	122.6	-152.0
LARAWAY ROAD	1172+00.00	1173+00.00	24.8	24.8	84.3	141.7	17.4	248.3	227.8	108.3	358.3	192.6	163.7	500.0	273.1	252.6	-336.3
LARAWAY ROAD	1173+00.00	1174+00.00	23.3	23.3	69.1	138.7	34.4	252.0	227.0	94.6	603.9	163.7	139.1	742.6	275.4	250.4	-603.4
LARAWAY ROAD	1174+00.00	1175+00.00	22.2	22.2	60.4	133.0	41.5	252.4	227.6	195.2	636.9	255.6	217.2	769.8	274.6	249.8	-552.6
LARAWAY ROAD	1175+00.00	1176+00.00	21.9	21.9	52.6	148.5	48.5	251.9	234.3	333.0	356.1	385.6	327.7	504.6	273.7	256.1	-176.9
LARAWAY ROAD	1176+00.00	1177+00.00	22.6	22.6	37.6	209.1	70.6	254.3	221.9	437.2	364.4	474.8	403.6	573.5	276.9	244.4	-169.9
LARAWAY ROAD	1177+00.00	1178+00.00	27.4	27.4	32.6	337.4	58.1	262.0	200.4	488.7	771.1	521.3	443.1	1108.5	289.4	227.8	-665.4
LARAWAY ROAD	1178+00.00	1179+00.00	24.6	24.6	25.7	379.4	19.3	260.2	197.2	472.0	934.6	497.8	423.1	1314.1	284.8	221.9	-891.0
LARAWAY ROAD	1179+00.00	1180+00.00	21.9	21.9	30.0	296.7	22.0	253.3	196.9	390.6	956.1	420.6	357.5	1252.8	275.2	218.7	-895.3
LARAWAY ROAD	1180+00.00	1181+00.00	29.6	29.6	117.0	177.0	277.0	252.8	202.4	243.9	1015.9	360.9	306.8	1193.0	282.4	232.0	-886.2
LARAWAY ROAD	1181+00.00	1182+00.00	36.9	36.9	226.3	79.8	572.4	250.9	199.1	168.0	1034.6	394.3	335.1	1114.4	287.8	235.9	-779.3
LARAWAY ROAD	1182+00.00	1183+00.00	37.2	37.2	300.4	61.7	648.5	248.7	180.6	197.4	1140.0	497.8	423.1	1201.7	285.9	217.8	-778.6
LARAWAY ROAD	1183+00.00	1184+00.00	31.1	31.1	240.4	70.9	714.4	240.4	169.6	220.0	1212.0	460.4	391.3	1283.0	271.5	200.7	-891.6
LARAWAY ROAD	1184+00.00	1185+00.00	25.9	25.9	134.8	65.6	796.7	231.5	158.5	270.7	1189.4	405.6	344.7	1255.0	257.4	184.4	-910.3
LARAWAY ROAD	1185+00.00	1186+00.00	24.4	24.4	133.9	48.7	800.9	233.3	133.7	280.4	1139.8	414.3	352.1	1188.5	257.8	158.1	-836.4
LARAWAY ROAD	1186+00.00	1187+00.00	21.9	21.9	124.3	38.5	579.1	244.1	128.7	189.8	860.0	314.1	267.0	898.5	265.9	150.6	-631.6
LARAWAY ROAD	1187+00.00	1188+32.00	12.7	12.7	73.8	19.6	643.6	164.5	88.7	85.8	447.3	159.6	135.7	466.9	177.2	101.4	-331.2
LARAWAY ROAD	1188+32.00	1189+00.00	9.2	9.2	73.4	26.1	338.4	73.3	17.0	67.2	185.7	140.7	119.6	211.8	82.5	26.2	-92.2
LARAWAY ROAD	1189+00.00	1190+00.00	29.8	29.8	166.7	103.1	406.1	206.5	73.5	262.4	525.7	429.1	364.7	628.9	236.3	103.3	-264.2
LARAWAY ROAD	1190+00.00	1191+00.00	28.9	28.9	92.0	115.0	394.8	196.7	97.8	317.8	525.0	409.8	348.4	640.0	225.6	126.7	-291.6
LARAWAY ROAD	1191+00.00	1192+00.00	24.6	24.6	93.3	82.6	388.0	193.0	107.4	277.1	469.6	370.4	314.8	552.2	217.6	132.0	-237.4
LARAWAY ROAD	1192+00.00	1193+00.00	27.0	27.0	132.0	57.8	215.4	191.5	126.5	219.3	452.8	351.3	298.6	510.6	218.5	153.5	-212.0
LARAWAY ROAD	1193+00.00	1194+00.00	25.4	25.4	96.1	44.8	50.0	189.3	144.1	167.0	520.0	263.1	223.7	564.8	214.6	169.4	-341.1
LARAWAY ROAD	1194+00.00	1195+00.00	17.8	17.8	47.0	19.6	36.3	176.5	159.1	131.1	531.9	178.1	151.4	551.5	194.3	176.9	-400.1
LARAWAY ROAD	1195+00.00	1196+00.00	7.4	7.4	23.0	0.2	11.5	164.1	170.2	221.1	439.8	244.1	207.5	440.0	171.5	177.6	-232.5
LARAWAY ROAD	1196+00.00	1197+00.00	0.0	0.0	0.0	0.0	0.0	154.4	173.7	339.3	401.7	339.3	288.4	401.7	154.4	173.7	-113.3
LARAWAY ROAD	1197+00.00	1198+00.00	0.0	0.0	8.9	0.0	0.0	138.0	173.7	317.0	392.4	325.9	277.0	392.4	138.0	173.7	-115.4
LARAWAY ROAD	1198+00.00	1199+00.00	0.0	0.0	23.9	0.0	0.0	139.4	174.1	242.4	342.4	266.3	226.4	342.4	139.4	174.1	-116.1
LARAWAY ROAD	1199+00.00	1200+00.00	0.0	0.0	18.9	0.0	0.0	147.8	175.2	197.4	263.0	216.3	183.9	263.0	147.8	175.2	-79.1
LARAWAY ROAD	1200+00.00	1200+72.94	0.0	0.0	2.9	0.0	0.0	103.9	130.2	149.9	129.9	152.8	129.9	129.9	103.9	130.2	0.0
LARAWAY ROAD	1200+72.94	1201+00.00	0.0	0.0	0.0	0.0	0.0	35.4	40.3	28.4	13.9	28.4	24.1	13.9	35.4	40.3	10.3

EARTHWORK NOTES:

- CALCULATIONS ASSUMES AN EMBANKMENT SHRINKAGE FACTOR OF 15%.
- TEMPORARY PAVEMENT INSTALLED AS PART OF THE MAINTENANCE OF TRAFFIC OPERATIONS IS NOT INCLUDED IN EARTHWORK CALCULATIONS (EXCAVATION) AND IS PAID FOR UNDER THE PAVEMENT REMOVAL PAY ITEM.
- POND EXCAVATION ASSUMES AN INITIAL 6" TOPSOIL STRIP. THE POND IS EXCAVATED TO THE PROPOSED SUBGRADE, WHICH IS 4" LESS THEN THE FINAL GRADES INDICATED ON THE PLANS. A 4" TOPSOIL SHALL BE PLACED ON ALL NON PAVED AREAS.
- HAULED OFF TOPSOIL IS PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE.

FILE NAME :	USER NAME :	DESIGNED :	REVISED :
P:\projects\13003\000\CADD\Sheets\401-684-sht-Schedule00.dgn	mohammed.ai	JDW	-
		DRAWN :	REVISED :
		JDW	-
		CHECKED :	REVISED :
		RCH	-
		DATE :	REVISED :
		3/31/21	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
CEDAR ROAD AND LARAWAY ROAD**

SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	17
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G89	

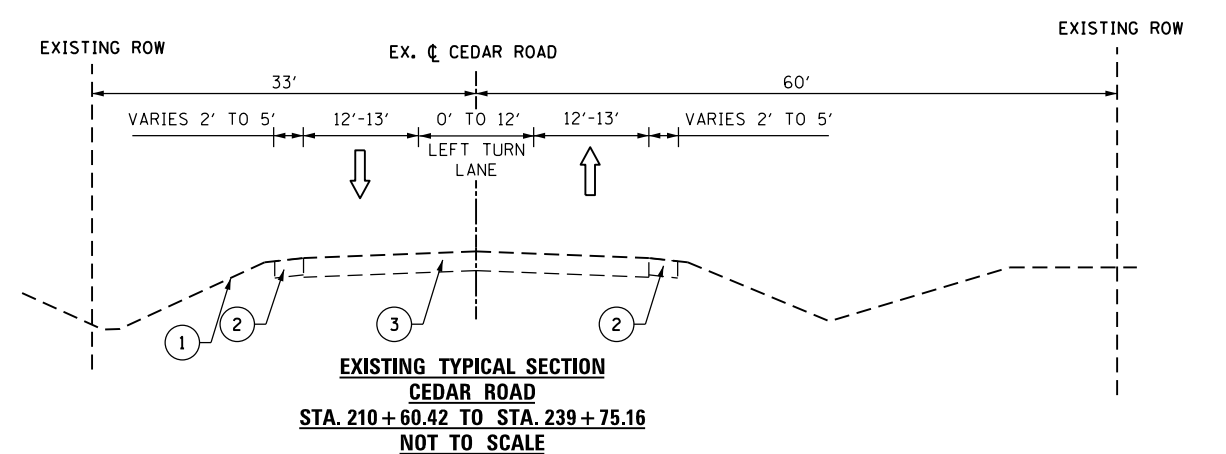
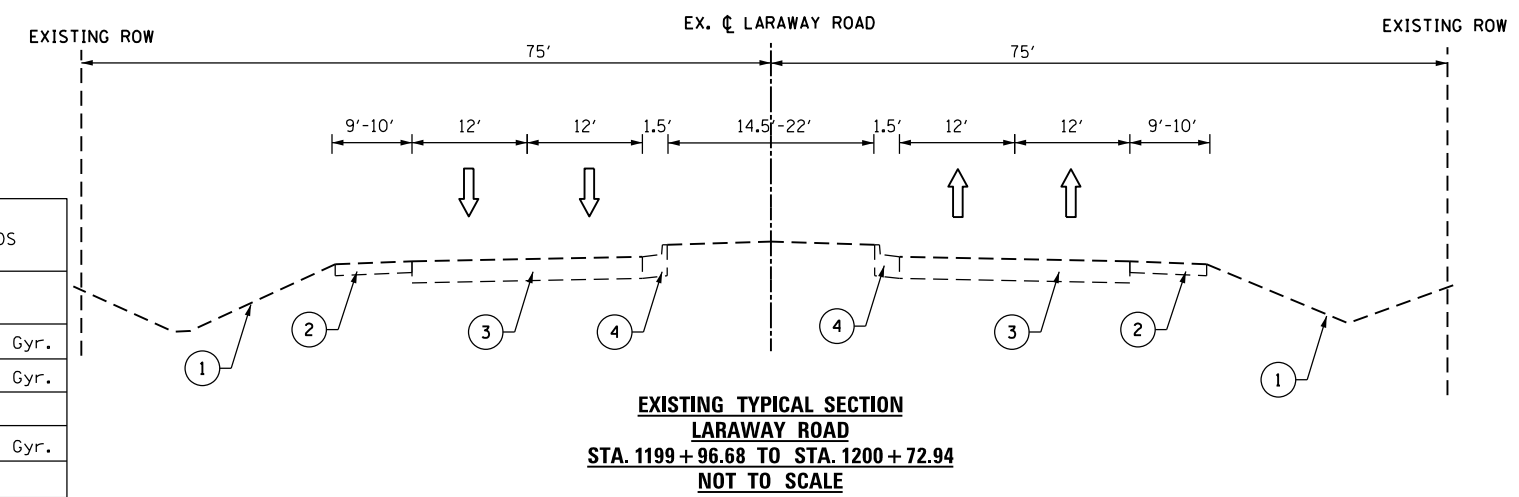
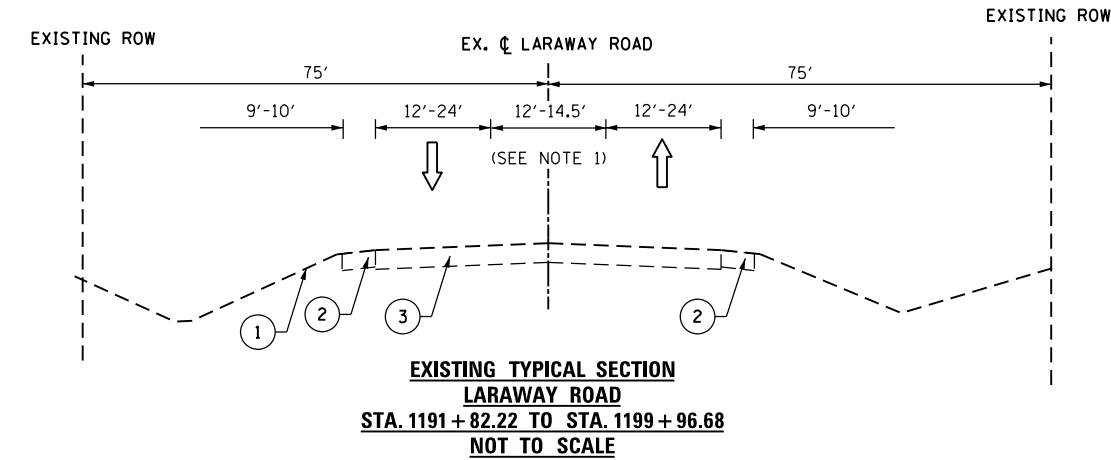
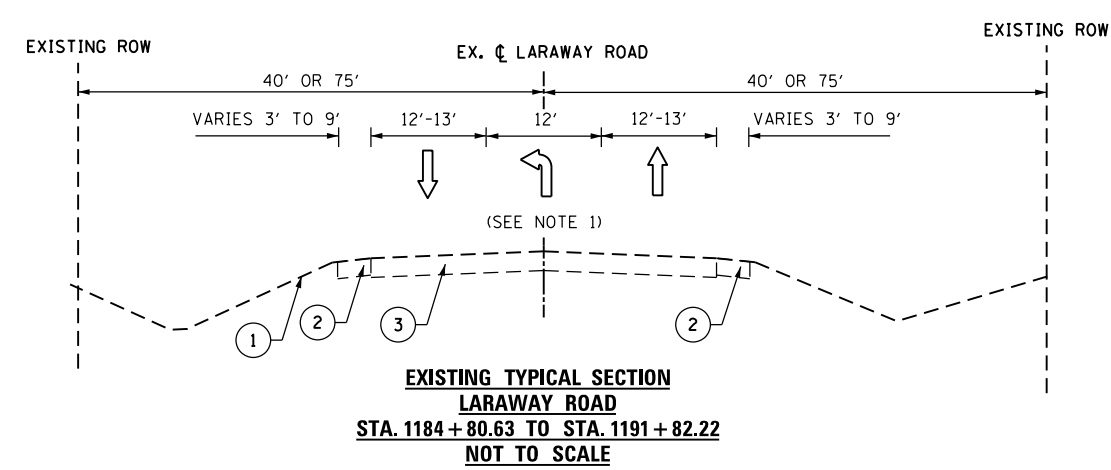
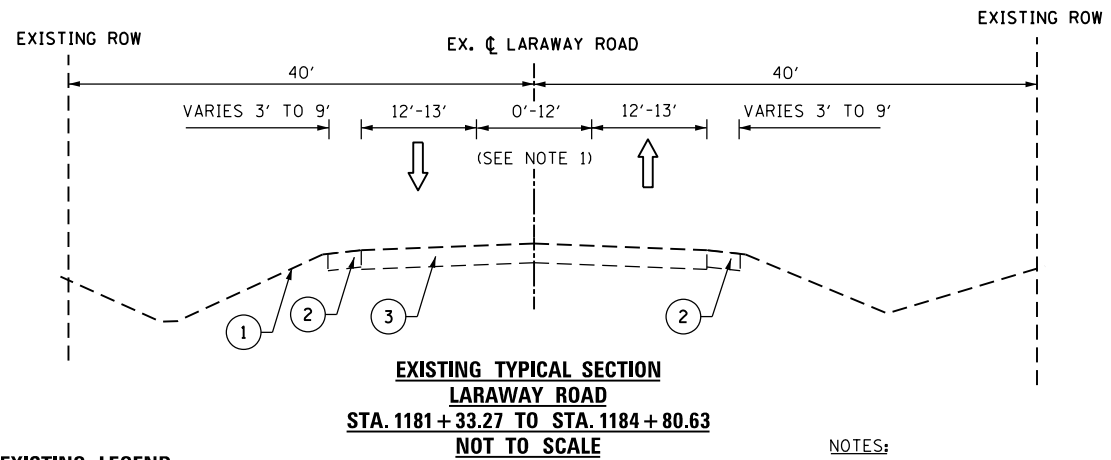
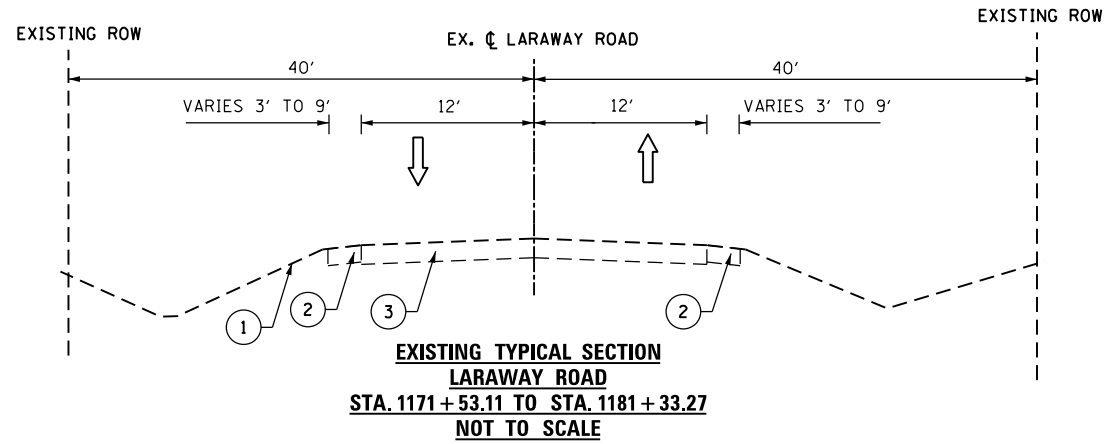
SCH0-4

EARTHWORK

			EARTHWORK FOR TEMPORARY PAVEMENT INSTALLATION IN PRE-STAGE				EARTHWORK FOR STAGES 1 THRU 4					TOTAL EARTHWORK QUANTITIES					
LOCATION	BEGIN STA.	END STA.	EARTH EXCAVATION FOR TEMPORARY PAVEMENT TOPSOIL PLACEMENT (4") (CY)	EARTH EXCAVATION FOR TEMPORARY PAVEMENT TOPSOIL STRIP (4") (CY)	EARTH EXCAVATION FOR TEMPORARY PAVEMENT CUT (CY)	EARTH EXCAVATION FOR TEMPORARY PAVEMENT FILL (CY)	UNSUITABLE MATERIAL (CY)	EARTH EXCAVATION FOR TOPSOIL STRIP (6") (CY)	EARTH EXCAVATION FOR TOPSOIL PLACEMENT (CY)	EARTH EXCAVATION CUT (CY)	EARTH EXCAVATION FILL (CY)	TOTAL EARTH EXCAVATION CUT (CY)	TOTAL EARTH EMBANKMENT FOR FILL ADJUSTED FOR SHRINKAGE (15%) (CY)	TOTAL EARTH EXCAVATION FILL (CY)	TOTAL TOPSOIL STRIP (CY)	TOTAL TOPSOIL PLACEMENT (CY)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CY)
ALIGNED	205+00.00	206+00.00	8.1	8.1	15.6	12.4	0.0	23.1	21.5	8.3	13.5	23.9	20.3	25.9	31.3	29.6	-5.6
CEDAR ROAD	206+00.00	207+00.00	15.9	15.9	33.5	28.9	0.0	55.6	53.0	22.2	35.2	55.7	47.4	64.1	71.5	68.9	-16.7
CEDAR ROAD	207+00.00	208+00.00	15.2	15.2	32.2	42.8	0.0	64.8	63.0	34.4	38.1	66.7	56.7	80.9	80.0	78.1	-24.3
CEDAR ROAD	208+00.00	209+00.00	14.6	14.6	28.0	54.3	0.0	74.1	62.0	22.2	59.4	50.2	42.7	113.7	88.7	76.7	-71.0
CEDAR ROAD	209+00.00	210+00.00	14.3	14.3	62.6	30.9	0.0	85.6	64.3	17.6	85.2	80.2	68.2	116.1	99.8	78.5	-48.0
CEDAR ROAD	210+00.00	210+60.42	8.2	8.2	36.3	26.4	44.7	64.7	56.0	106.3	40.6	142.6	121.2	67.0	73.0	64.3	54.2
CEDAR ROAD	210+60.42	211+00.00	5.2	5.2	9.2	29.8	61.5	54.2	47.5	116.0	20.9	125.2	106.4	50.6	59.4	52.7	55.8
CEDAR ROAD	211+00.00	212+00.00	13.9	13.9	28.1	63.7	176.5	153.0	107.4	276.1	57.4	304.3	258.6	121.1	166.9	121.3	137.5
CEDAR ROAD	212+00.00	213+00.00	14.1	14.1	33.3	50.6	192.8	153.0	97.2	284.1	59.1	317.4	269.8	109.6	167.0	111.3	160.2
CEDAR ROAD	213+00.00	214+00.00	14.1	14.1	30.9	58.1	210.4	154.1	104.6	266.1	82.2	297.0	252.5	140.4	168.1	118.7	112.1
CEDAR ROAD	214+00.00	215+00.00	13.9	13.9	22.0	81.3	182.4	153.9	97.6	228.5	123.5	250.6	213.0	204.8	167.8	111.5	8.2
CEDAR ROAD	215+00.00	216+00.00	13.9	13.9	16.9	93.5	153.7	153.7	89.3	209.6	173.5	226.5	192.5	267.0	167.6	103.1	-74.5
CEDAR ROAD	216+00.00	217+00.00	14.1	14.1	15.2	95.2	171.9	154.4	81.9	177.2	280.9	192.4	163.5	376.1	168.5	95.9	-212.6
CEDAR ROAD	217+00.00	218+00.00	14.8	14.8	11.5	96.7	202.0	177.8	102.2	142.6	655.2	154.1	131.0	376.1	192.6	117.0	-620.9
CEDAR ROAD	218+00.00	219+00.00	16.3	16.3	11.7	104.6	234.1	200.4	117.8	126.1	973.9	137.8	117.1	1078.5	216.7	134.1	-961.4
CEDAR ROAD	219+00.00	220+00.00	16.3	16.3	18.7	87.2	270.7	207.4	116.3	144.4	707.8	163.1	138.7	795.0	223.7	132.6	-656.3
CEDAR ROAD	220+00.00	221+00.00	15.0	15.0	33.9	39.4	175.6	212.6	127.8	402.8	209.4	436.7	371.2	248.9	227.6	142.8	122.3
CEDAR ROAD	221+00.00	222+00.00	14.6	14.6	46.9	9.3	27.6	207.2	127.4	1172.0	0.0	1218.9	1036.1	9.3	221.9	142.0	1026.8
CEDAR ROAD	222+00.00	223+00.00	15.2	15.2	43.1	6.3	23.5	200.9	120.7	1891.7	0.0	1934.8	1644.6	6.3	216.1	135.9	1638.3
CEDAR ROAD	223+00.00	224+00.00	14.4	14.4	32.0	10.6	35.6	193.0	115.0	1820.9	0.0	1853.0	1575.0	10.6	207.4	129.4	1564.5
CEDAR ROAD	224+00.00	224+68.00	11.6	11.6	77.7	25.3	30.3	185.5	78.1	727.3	17.0	805.0	684.3	42.3	197.1	89.7	642.0
CEDAR ROAD	224+68.00	225+00.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CEDAR ROAD	225+00.00	226+32.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CEDAR ROAD	226+32.00	227+00.00	9.8	9.8	25.8	11.5	25.8	191.4	73.9	81.3	445.1	107.2	91.1	456.6	201.2	83.7	-365.5
CEDAR ROAD	227+00.00	228+00.00	17.0	17.0	34.4	32.0	48.3	169.1	93.7	45.7	561.5	80.2	68.2	593.5	186.1	110.7	-525.4
CEDAR ROAD	228+00.00	229+00.00	17.2	17.2	37.2	45.2	48.1	177.4	102.0	67.8	705.2	105.0	89.3	750.4	194.6	119.3	-661.1
CEDAR ROAD	229+00.00	230+00.00	19.3	19.3	45.7	68.3	37.4	183.5	104.4	209.3	677.6	255.0	216.8	745.9	202.8	123.7	-529.2
CEDAR ROAD	230+00.00	231+00.00	17.6	17.6	38.0	89.3	37.2	190.6	111.7	272.6	392.0	310.6	264.0	481.3	208.1	129.3	-217.3
CEDAR ROAD	231+00.00	232+00.00	13.1	13.1	23.3	76.1	48.3	196.3	102.0	297.8	145.2	321.1	272.9	221.3	209.4	115.2	51.6
CEDAR ROAD	232+00.00	233+00.00	11.9	11.9	22.4	57.6	48.3	185.7	89.3	382.0	67.6	404.4	343.8	125.2	197.6	101.1	218.6
CEDAR ROAD	233+00.00	234+00.00	13.1	13.1	30.2	48.1	154.8	172.8	97.6	375.6	76.7	405.7	344.9	124.8	185.9	110.7	220.1
CEDAR ROAD	234+00.00	235+00.00	15.2	15.2	43.0	36.5	250.9	160.4	105.2	349.6	69.6	392.6	333.7	106.1	175.6	120.4	227.6
CEDAR ROAD	235+00.00	236+00.00	16.3	16.3	52.2	32.6	220.6	157.2	113.1	310.6	46.7	362.8	308.4	79.3	173.5	129.4	229.1
CEDAR ROAD	236+00.00	237+00.00	16.1	16.1	50.2	33.0	150.0	168.3	121.7	291.7	43.1	341.9	290.6	76.1	184.4	137.8	214.5
CEDAR ROAD	237+00.00	238+00.00	15.2	15.2	48.1	31.9	127.2	167.4	129.3	280.9	44.4	329.1	279.7	76.3	182.6	144.4	203.4
CEDAR ROAD	238+00.00	239+00.00	14.8	14.8	48.1	35.2	111.5	166.3	136.7	262.0	52.0	310.2	263.7	87.2	181.1	151.5	176.4
CEDAR ROAD	239+00.00	239+75.16	16.3	16.3	34.1	56.0	48.1	125.9	106.3	174.3	28.0	208.4	177.2	84.0	142.2	122.6	93.2
CEDAR ROAD	239+75.16	240+00.00	7.8	7.8	12.1	28.6	8.0	38.4	33.6	41.1	8.8	53.2	45.2	37.4	46.2	41.4	7.8
CEDAR ROAD	240+00.00	241+00.00	30.2	30.2	40.7	89.8	0.0	122.6	111.5	88.0	54.1	128.7	109.4	143.9	152.8	141.7	-34.5
CEDAR ROAD	241+00.00	242+00.00	21.7	21.7	30.9	63.5	0.0	120.7	111.5	68.5	85.6	99.4	84.5	149.1	142.4	133.1	-64.5
CEDAR ROAD	242+00.00	243+00.00	13.7	13.7	25.6	51.3	0.0	101.3	96.5	51.9	68.0	77.4	65.8	119.3	115.0	110.2	-53.5
CEDAR ROAD	243+00.00	244+00.00	14.3	14.3	24.8	37.0	0.0	74.3	72.2	54.4	20.2	79.3	67.4	57.2	88.5	86.5	10.1
CEDAR ROAD	244+00.00	245+00.00	14.1	14.1	20.7	18.1	0.0	55.6	53.7	39.6	21.3	60.4	51.3	39.4	69.6	67.8	11.9
ROADWAY TOTALS			1337.0	1337.0	4269.6	5453.4	10742.9	13025.3	9686.0	19697.2	26057.1	23966.8	20371.8	31510.5	14362.3	11023.0	-11138.7
OFF SITE STORM SEWER AND DETENTION POND	EXISTING GROUND MINUS 6" TOPSOIL STRIP	BOTTOM SUBGRADE (MINUS 4" TOPSOIL)	0.0	0.0	0.0	0.0	0.0	6874.0	3766.0	18263.0	1901.8	18263.0	15523.6	1901.8	6874.0	3766.0	13621.8
PROJECT TOTALS			1337.0	1337.0	4269.6	5453.4	10742.9	19899.3	13452.0	37960.2	27958.9	42229.8	35895.3	33412.3	21236.3	14789.0	2483.1

FILE NAME =	USER NAME = mohammed.aj	DESIGNED JDW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES CEDAR ROAD AND LARAWAY ROAD	F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P:\projects\13003\000\CADD_Sheets\401-684-sht-Schedule00.dgn	DRAWN JDW	REVISED -	369			08-00138-28-TL	WILL	156	18	
PLOT SCALE = 2.0000' / 1"	CHECKED RCH	REVISED -	CONTRACT NO. 61G89							
MODELNAME	DATE 3/31/21	REVISED -	SCALE:			SHEET 4 OF 4 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		

SCH0-4



EXISTING LEGEND

- ① EXISTING GROUND
- ② EXISTING AGGREGATE SHOULDER THICKNESS VARIES 3"-6"
- ③ EXISTING ASPHALT PAVEMENT THICKNESS VARIES 12.75" TO 14.5"
- ④ EXISTING B-6.12 CURB & GUTTER (REVERSE PITCH)

PROPOSED LEGEND

- (A) HOT MIX ASPHALT PAVEMENT, FULL DEPTH, 13" (SEE MIXTURE TABLE)
- (B) NOT USED
- (C) NOT USED
- (D) AGGREGATE SUBGRADE IMPROVEMENT, (12")
- (E) HOT-MIX ASPHALT SHOULDERS, 8"
- (F) COMBINATION CONCRETE CURB & GUTTER, B.6-24 (GUTTER THICKNESS TO MATCH PAVEMENT THICKNESS (13"))
- (G) COMBINATION CONCRETE CURB & GUTTER, B.6-12 (GUTTER THICKNESS TO MATCH PAVEMENT THICKNESS (13"))
- (H) COMBINATION CONCRETE CURB & GUTTER, B.6-12 (REVERSE PITCH) (GUTTER THICKNESS TO MATCH PAVEMENT THICKNESS (13"))
- (I) TOPSOIL EXCAVATION AND PLACEMENT,, SEEDING CLASS 2A, NITROGEN FERTILIZER NUTRIENTS, AND EROSION CONTROL BLANKET
- (J) TEMPORARY PAVEMENT
- (K) CONCRETE MEDIAN, TYPE SB-6.12
- (L) CONCRETE MEDIAN SURFACE, 4" AND SUB-BASE GRANULAR MATERIAL, TYPE B, 4"

NOTES:

1. PAINTED MEDIAN / LEFT TURN LANE
2. RAISED BARRIER MEDIAN BEGINS AT STA 1177+33.65
3. GUTTER SLOPE TO MATCH ADJACENT PAVEMENT SLOPE

MIXTURE TABLE

MIXTURE TYPE	AIR Voids
HMA PAVT (FD) 13"	
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70; 2"	4% @ 70 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 11"	4% @ 70 Gyr.
DRIVEWAY PAVEMENT	
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 2 1/2"	4% @ 50 Gyr.
TEMPORARY PAVEMENT (SEE NOTE 3)	
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 (IL 9.5), 2"	4% @ 70 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 4"	4% @ 70 Gyr.
HMA SHOULDER 8"	
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70; 2"	4% @ 70 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 6"	4% @ 70 Gyr.

PAVEMENT NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2. 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.
3. PCC TEMPORARY PAVEMENT OPTION SHALL CONFIRM TO THE SPECIAL PROVISIONS FOR TEMPORARY PAVEMENT.

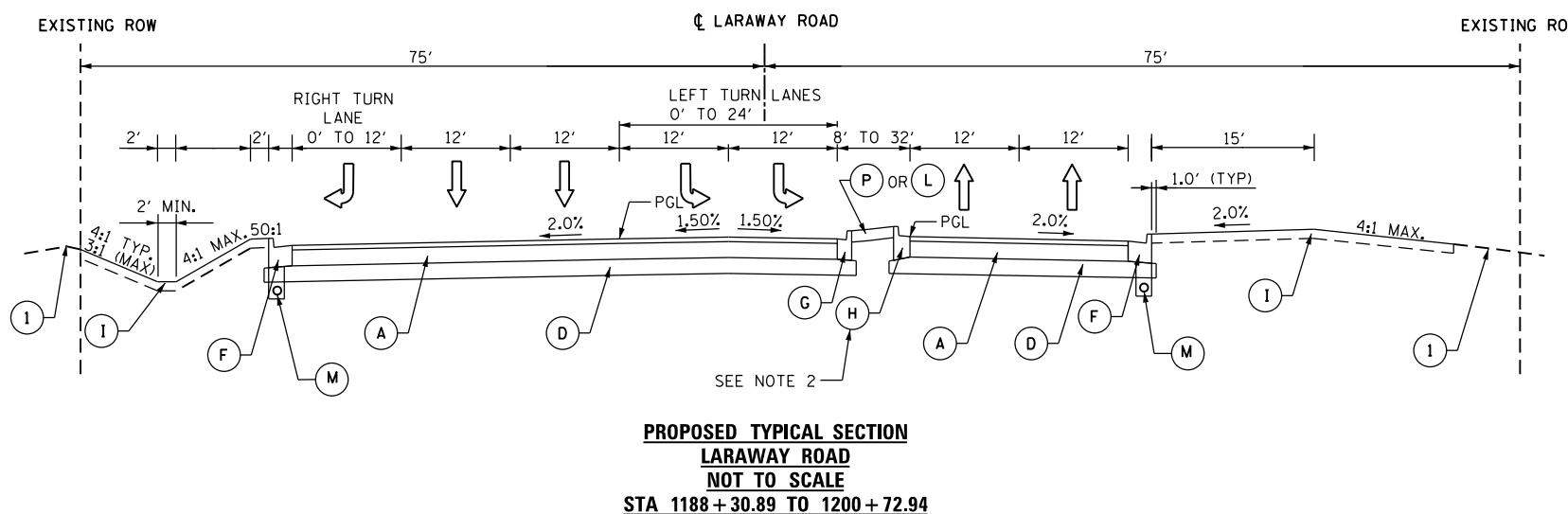
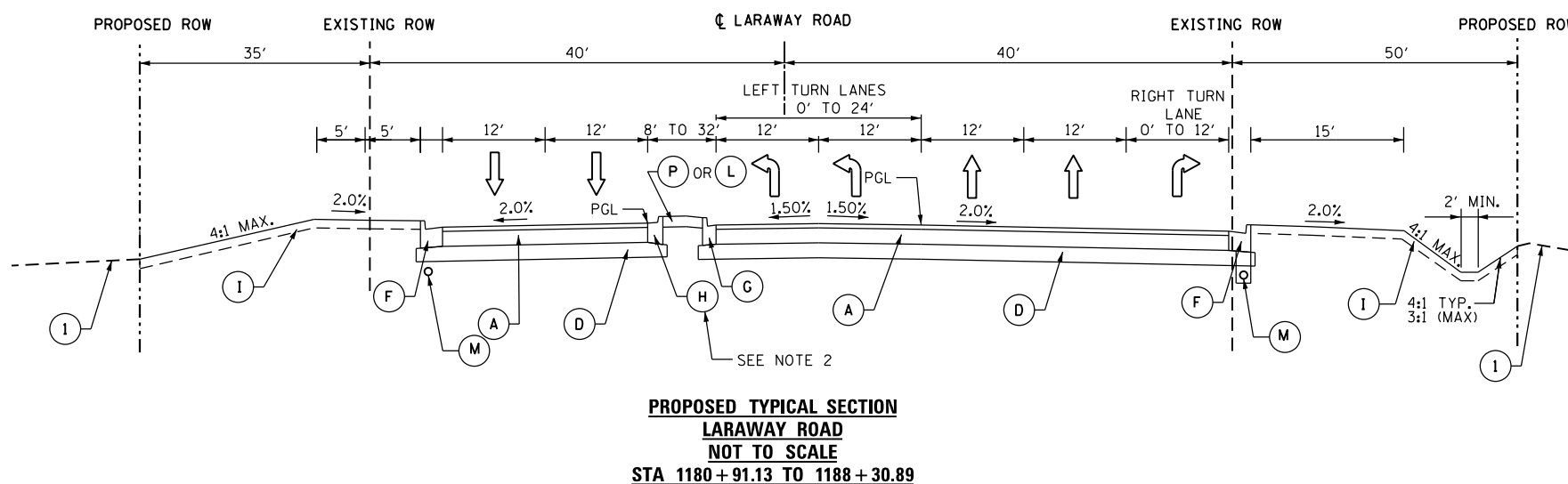
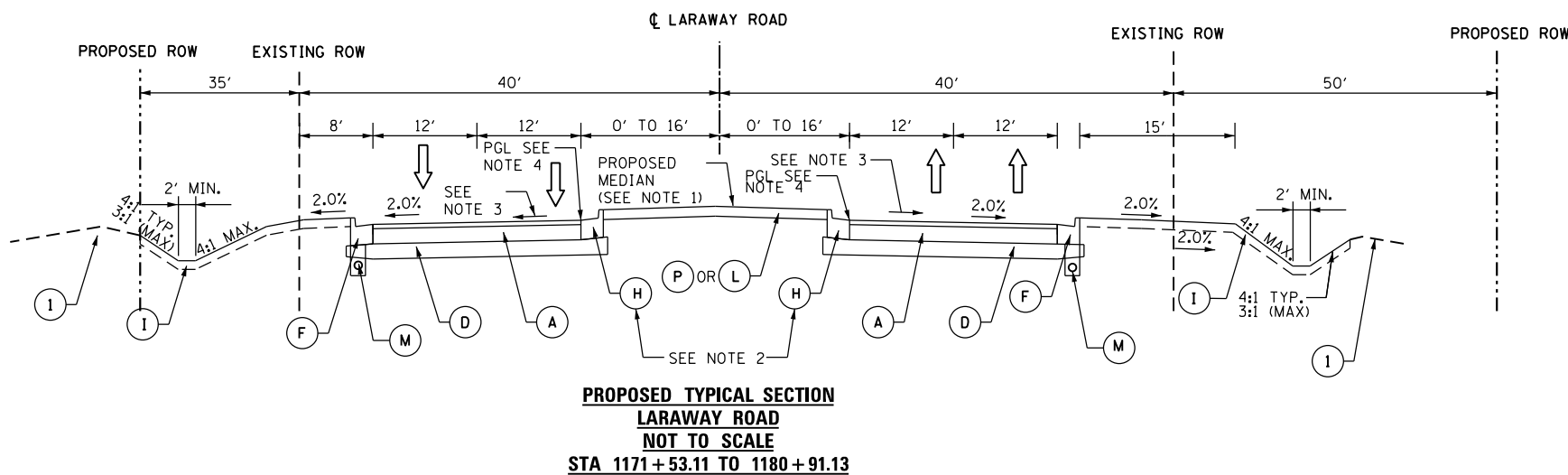
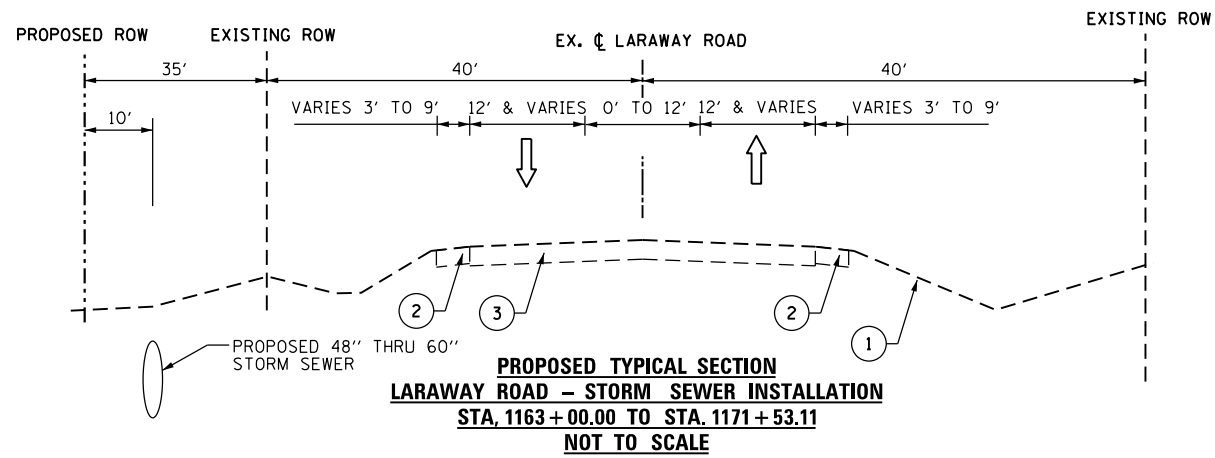
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P:\projects\13003\000\CADD\Sheets\401-684-sht-Typical01.dgn		DRAWN JDW	REVISED -
	PLOT SCALE = 20.0000' / in.	CHECKED RCH	REVISED -
#MODELNAME#	PLOT DATE = 4/26/2021	DATE 3/31/21	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS - EXISTING
LARAWAY ROAD AND CEDAR ROAD**

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	19
CONTRACT NO. 61889				
ILLINOIS FED. AID PROJECT				



EXISTING LEGEND

- ① EXISTING GROUND
- ② EXISTING AGGREGATE SHOULDER THICKNESS VARIES 3"-6"
- ③ EXISTING ASPHALT PAVEMENT THICKNESS VARIES 12.75" TO 14.5"
- ④ EXISTING B-6.12 CURB & GUTTER (REVERSE PITCH)

PROPOSED LEGEND

- A HOT MIX ASPHALT, FULL DEPTH, 13" (SEE MIXTURE TABLE)
- B NOT USED
- C NOT USED
- D AGGREGATE SUBGRADE IMPROVEMENT, (12")
- E HOT-MIX ASPHALT SHOULDERS, 8"
- F COMBINATION CONCRETE CURB & GUTTER, B.6-24 (GUTTER THICKNESS TO MATCH PAVEMENT THICKNESS (13"))
- G COMBINATION CONCRETE CURB & GUTTER, B.6-12 (GUTTER THICKNESS TO MATCH PAVEMENT THICKNESS (13"))
- H COMBINATION CONCRETE CURB & GUTTER, B.6-12 (REVERSE PITCH) (GUTTER THICKNESS TO MATCH PAVEMENT THICKNESS (13"))
- I TOPSOIL EXCAVATION AND PLACEMENT, 4" SEEDING CLASS 2A, NITROGEN FERTILIZER NUTRIENTS, AND EROSION CONTROL BLANKET
- J TEMPORARY PAVEMENT
- K CONCRETE MEDIAN, TYPE SB-6.12
- L CONCRETE MEDIAN SURFACE, 4" AND SUB-BASE GRANULAR MATERIAL, TYPE B, 4"
- M PIPE UNDERDRAIN, 4"
- N PIPE UNDERDRAIN (SPECIAL), 4"
- O CONCRETE HEADWALL FOR UNDERDRAIN
- P SODDING, SALT TOLERANT, TOP SOIL EXCAVATION AND PLACEMENT, 30"

NOTES:

1. RAISED BARRIER MEDIAN BEGINS AT STA 1177+40.16
2. GUTTER SLOPE TO MATCH ADJACENT PAVEMENT SLOPE
3. INSIDE LANE CROSS-SLOPE VARIES FROM 1.5% AT STA. 1171+53.11 TO 2% AT STA. 1172+53.11.
4. FROM STA 1172+03.11 TO MEDIAN AT STA. 1177+37 PGL IS 9' FROM CENTERLINE ON BOTH SIDES. FROM STA 1172+03.11 TO STA 1171+53.11 PGL TRANSITIONS FROM 9' FROM CENTERLINE ON BOTH SIDES TO 0' FROM CENTERLINE TO MATCH EXISTING ROADWAY CENTERLINE.

FILE NAME =	USER NAME = mohammed.a1	DESIGNED JDW	REVISED -
P:\projects\13003\000\CADD\Sheets\401-684-sht-Typical01.dgn		DRAWN JDW	REVISED -
	PLOT SCALE = 20.0000' / in.	CHECKED RCH	REVISED -
MODELNAME	PLOT DATE = 4/26/2021	DATE 3/31/21	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS - PROPOSED
LARAWAY ROAD

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

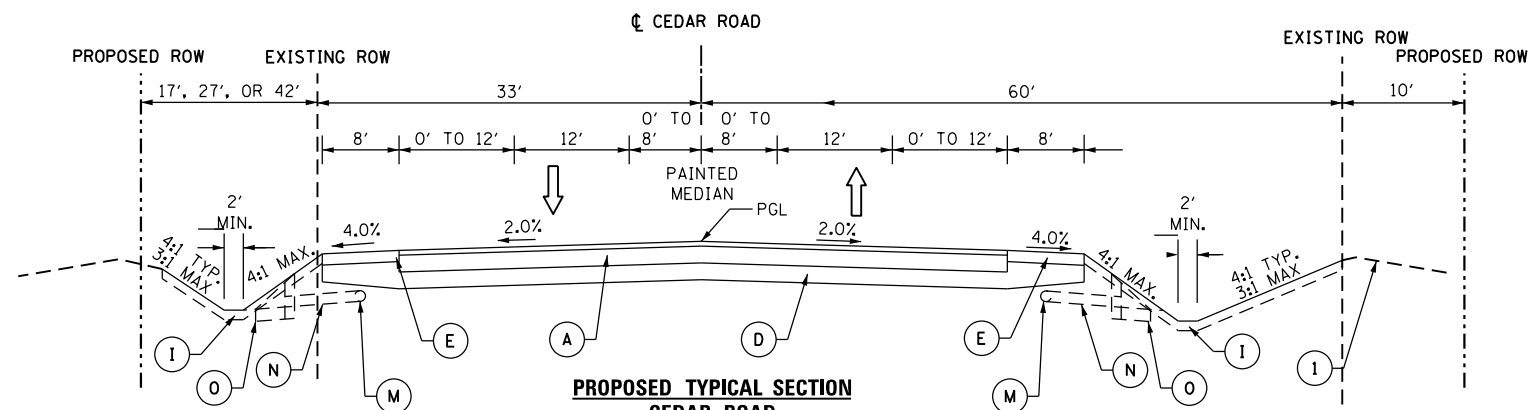
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	20
CONTRACT NO. 61889				
ILLINOIS FED. AID PROJECT				

EXISTING LEGEND

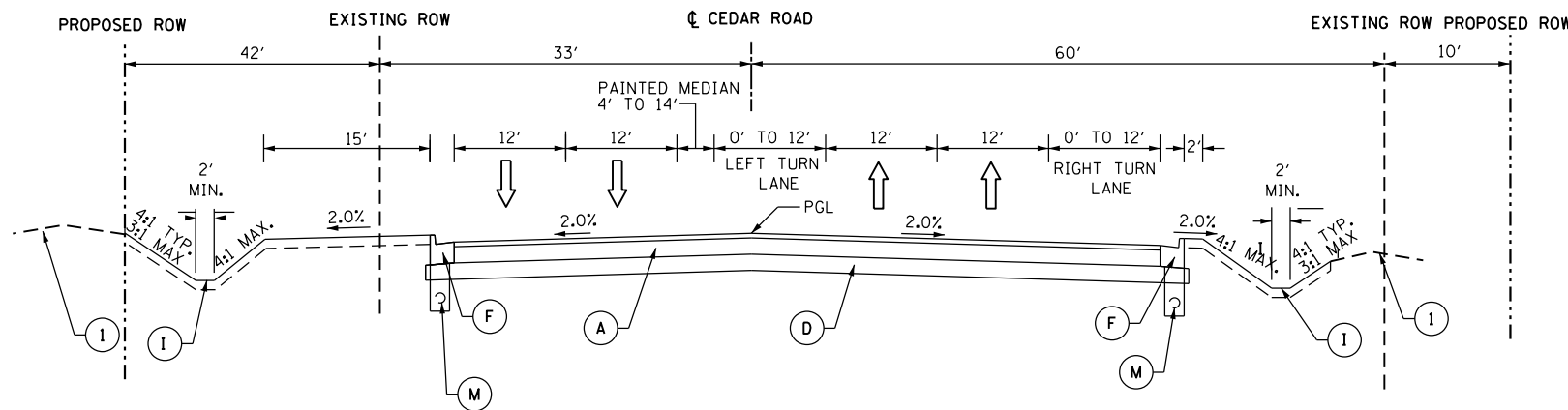
- ① EXISTING GROUND
- ② EXISTING AGGREGATE SHOULDER THICKNESS VARIES 3"-6"
- ③ EXISTING ASPHALT PAVEMENT THICKNESS VARIES 12.75" TO 14.5"
- ④ EXISTING B-6.12 CURB & GUTTER (REVERSE PITCH)

PROPOSED LEGEND

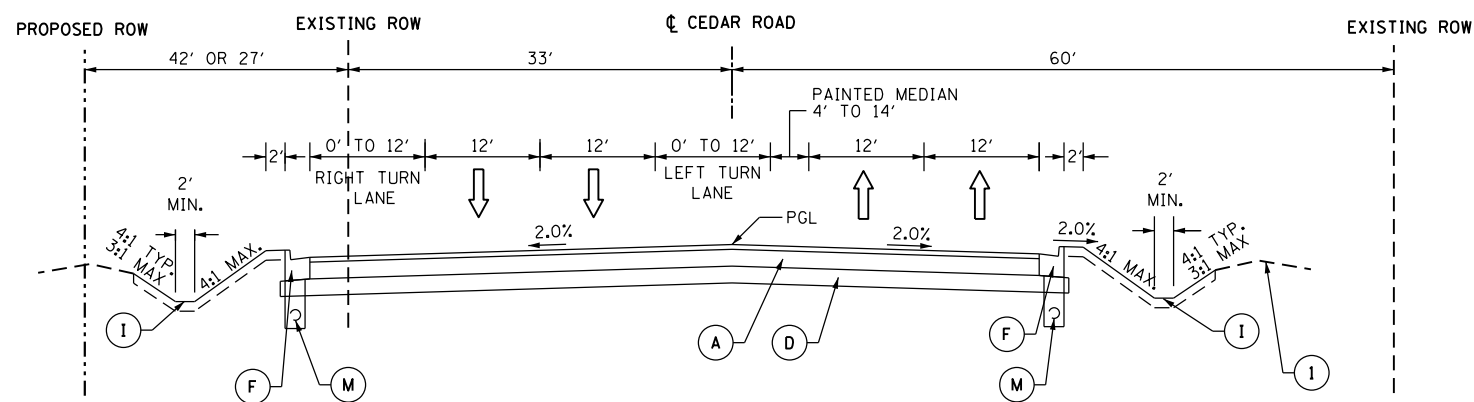
- Ⓐ HOT MIX ASPHALT PAVEMENT, FULL DEPTH, 13"
- Ⓑ NOT USED
- Ⓒ NOT USED
- Ⓓ AGGREGATE SUBGRADE IMPROVEMENT, (12")
- Ⓔ HOT-MIX ASPHALT SHOULDERS, 8"
- Ⓕ COMBINATION CONCRETE CURB & GUTTER, B.6-24 (GUTTER THICKNESS TO MATCH PAVEMENT THICKNESS (13"))
- Ⓖ COMBINATION CONCRETE CURB & GUTTER, B.6-12 (GUTTER THICKNESS TO MATCH PAVEMENT THICKNESS (13"))
- Ⓗ COMBINATION CONCRETE CURB & GUTTER, B.6-12 (REVERSE PITCH) (GUTTER THICKNESS TO MATCH PAVEMENT THICKNESS (13"))
- Ⓘ TOPSOIL EXCAVATION AND PLACEMENT,, SEEDING CLASS 2A, NITROGEN FERTILIZER NUTRIENTS, AND EROSION CONTROL BLANKET
- Ⓝ TEMPORARY PAVEMENT
- Ⓚ CONCRETE MEDIAN, TYPE SB-6.12
- Ⓛ CONCRETE MEDIAN SURFACE, 4" AND SUB-BASE GRANULAR MATERIAL, TYPE B, 4"
- Ⓜ PIPE UNDERDRAIN TYPE 2, 4"
- Ⓝ PIPE UNDERDRAIN (SPECIAL), 4"
- Ⓞ CONCRETE HEADWALL FOR UNDERDRAIN



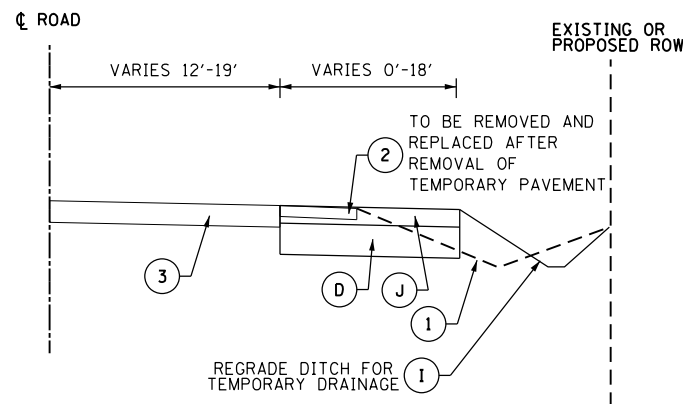
**PROPOSED TYPICAL SECTION
CEDAR ROAD
STA. 210+60.42 TO STA. 218+81.15 LT
STA. 210+60.42 TO STA. 220+11.33 RT
STA. 231+39.25 TO STA. 239+75.46 LT
STA. 231+44.36 TO STA. 239+75.46 RT
NOT TO SCALE**



**PROPOSED TYPICAL SECTION
CEDAR ROAD
STA. 218+81.15 TO STA. 225+57.91 LT
STA. 220+11.33 TO STA. 225+87.91 RT
NOT TO SCALE**



**PROPOSED TYPICAL SECTION
CEDAR ROAD
STA. 225+57.91 TO STA. 231+39.25 LT
STA. 225+87.91 TO STA. 231+44.36 RT
NOT TO SCALE**



**TEMPORARY PAVEMENT TYPICAL SECTION
LARAWAY ROAD AND CEDAR ROAD
SEE MOT PLANS FOR LOCATIONS
NOT TO SCALE**

FILE NAME =	USER NAME = mohammed.a1	DESIGNED	JDW	REVISED	-
P:\projects\13003\000\CADD\Sheets\401	684-sht-Typical02.dgn	DRAWN	JDW	REVISED	-
	PLOT SCALE = 20.0000' / in.	CHECKED	RCH	REVISED	-
MODELNAME	PLOT DATE = 4/26/2021	DATE	3/31/21	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS - PROPOSED
CEDAR ROAD**

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

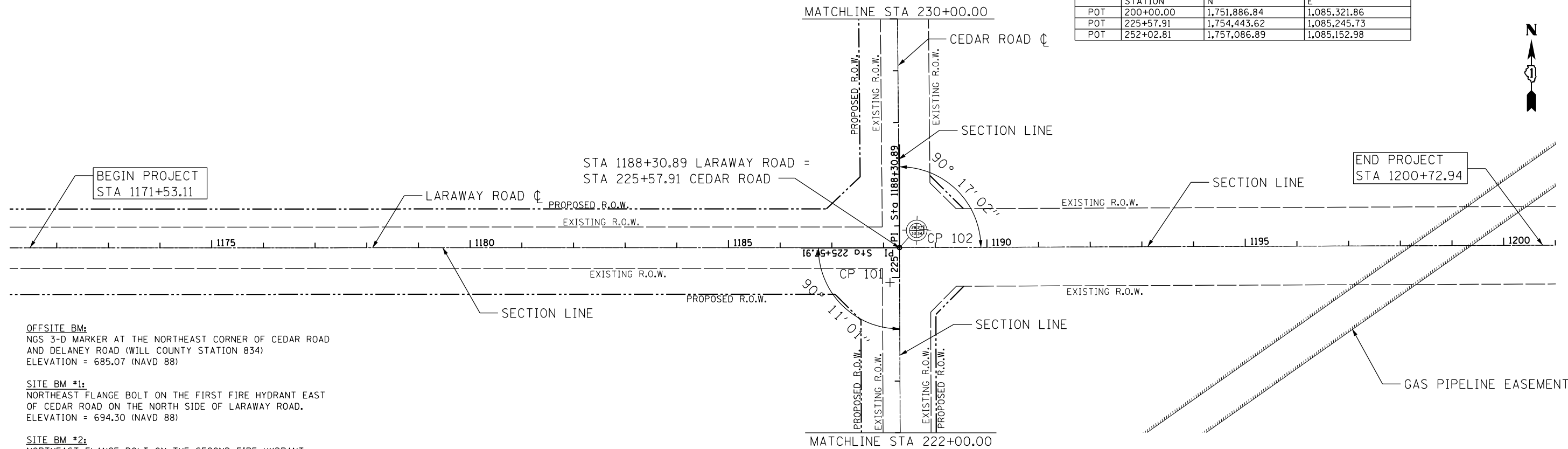
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	21
			CONTRACT NO. 61889	
ILLINOIS FED. AID PROJECT				

CONTROL POINT DATA

POINT	GROUND NORTHING	GROUND EASTING	ELEVATION	TYPE	GRID NORTHING	GRID EASTING	COMMENT
101	1754377.028	10852299.100	694.119	828	1754377.028	1085229.100	PRIMARY CPT
102	1754481.109	1085292.052	693.310	828	1754481.105	1085292.049	PRIMARY CPT - ELEVATION LEVELED FROM 101

ALIGNMENT COORDINATES - LARAWAY ROAD			
POT	STATION	N	E
POT	1161+00.00	1,754,371.09	1,082,515.81
POT	1188+30.89	1,754,443.62	1,085,245.73
POT	1210+96.90	1,754,511.86	1,087,510.72

ALIGNMENT COORDINATES - CEDAR ROAD			
POT	STATION	N	E
POT	200+00.00	1,751,886.84	1,085,321.86
POT	225+57.91	1,754,443.62	1,085,245.73
POT	252+02.81	1,757,086.89	1,085,152.98



OFFSITE BM:
 NGS 3-D MARKER AT THE NORTHEAST CORNER OF CEDAR ROAD AND DELANEY ROAD (WILL COUNTY STATION 834)
 ELEVATION = 685.07 (NAVD 88)

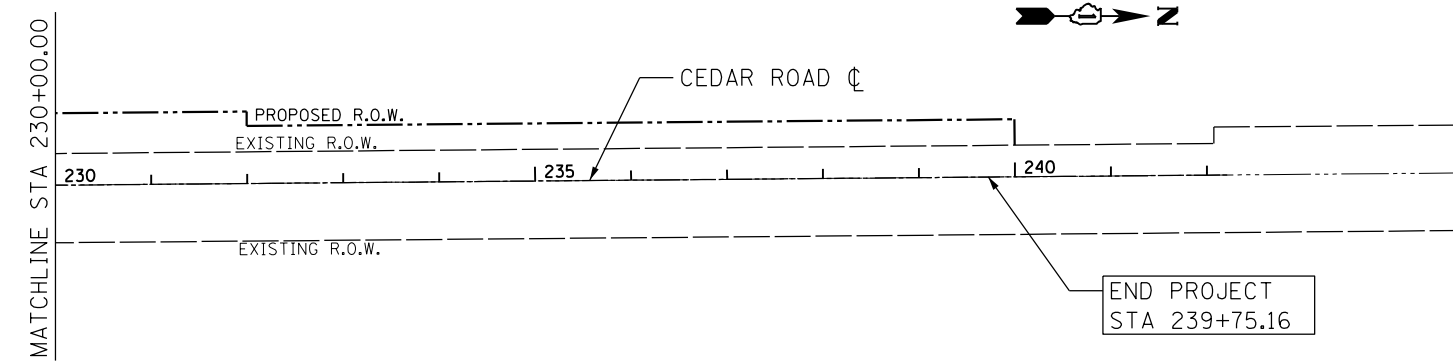
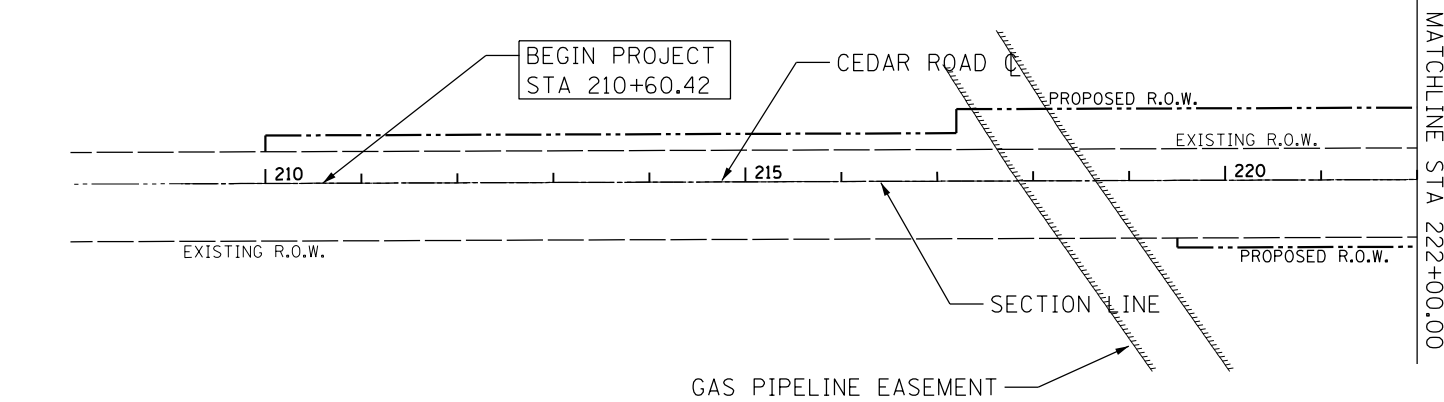
SITE BM #1:
 NORTHEAST FLANGE BOLT ON THE FIRST FIRE HYDRANT EAST OF CEDAR ROAD ON THE NORTH SIDE OF LARAWAY ROAD.
 ELEVATION = 694.30 (NAVD 88)

SITE BM #2:
 NORTHEAST FLANGE BOLT ON THE SECOND FIRE HYDRANT NORTH OF LARAWAY ROAD ON THE EAST SIDE OF CEDAR ROAD.
 ELEVATION = 690.00 (NAVD 88)

SITE BM #3:
 CROSS CUT ON THE TOP OF CURB APPROXIMATELY TWO FEET NORTH FROM THE END OF THE CURB LOCATED JUST SOUTH OF THE ENTRANCE TO THE HIGH SCHOOL ATHLETIC FIELDS ON THE WEST SIDE OF CEDAR ROAD, WHICH IS APPROXIMATELY 1000 FEET NORTH OF LARAWAY ROAD (SEC C.P. #3)
 ELEVATION = 691.50 (NAVD 88)

BENCHMARK DATA

NO.	STATION	OFFSET	NORTHING	EASTING
-	(OFFSITE BENCHMARK)	-----	1749203.883	1085433.505
1	1001+80.24 (C.H.74 LARAWAY ROAD)	69.43'LT	1754519.213	1085424.480
2	5005+72.08 (C.H.4 CEDAR ROAD)	38.92'RT	1755016.762	1085264.843
3	5009+27.75 (C.H.4 CEDAR ROAD)	25.76'LT	1755369.873	1085187.450



NOTES:

1. THE CENTERLINES ON LARAWAY ROAD AND CEDAR ROAD ARE IDENTICAL TO THE SECTION LINES.

FILE NAME =	USER NAME = mohammed.aj	DESIGNED -	REVISED -
P:\projects\13003\000\CADD\Sheets\401-684-sht-Align&Ties.dgn		DRAWN -	REVISED -
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#MODELNAME#	PLOT DATE = 4/26/2021	DATE 3/31/21	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT AND BENCHMARKS
 CEDAR ROAD AND LARAWAY ROAD

SCALE: 1" = 100' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	22
CONTRACT NO. 61B89				
ILLINOIS FED. AID PROJECT				

NOTES:

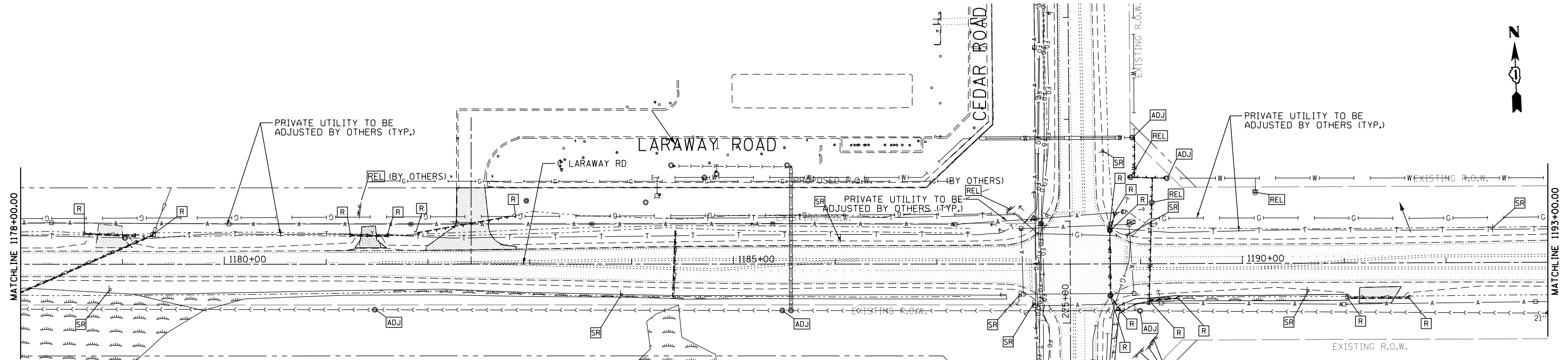
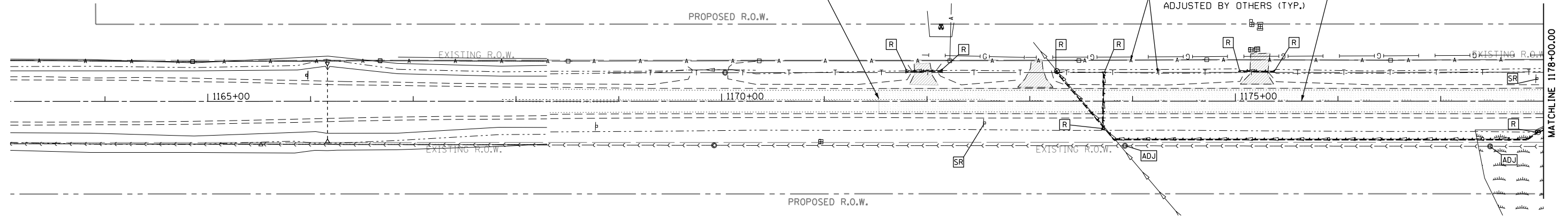
1. PUBLIC UTILITIES ARE SHOWN AT EXISTING LOCATIONS AND ARE TO BE RELOCATED BY OTHERS PRIOR TO START OF ROADWAY CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR THE NEW LOCATION OF ALL RELOCATED UNDERGROUND UTILITIES. THE UNDERGROUND UTILITIES BEING RELOCATED ARE TELEPHONE, AERIAL ELECTRIC, FIBER OPTIC, NATURAL GAS, AND CABLE.
2. CONTRACTOR SHALL COORDINATE WITH THE VILLAGE OF NEW LENOX REMOVAL OF EXISTING SIGNAL EQUIPMENT WITH THE INSTALLATION OF TEMPORARY SIGNALIZATION DURING CONSTRUCTION. PERMANENT LOCATIONS OF SIGNALS AND EQUIPMENT ARE PROVIDED ON THE TRAFFIC SIGNAL SHEETS.
3. EXISTING END SECTIONS FOR EACH CULVERT REMOVAL SHOWN SHALL BE INCLUDED IN THE COST OF PIPE CULVERT REMOVAL PER IDOT ARTICLE 501.04.
4. CONTRACTOR SHALL COORDINATE WITH THE ENGINEER FOR THE RELOCATION OF PRIVATE SIGNS BY OTHERS.

BEGIN PROJECT
STA. 1171+53.11

LARAWAY ROAD

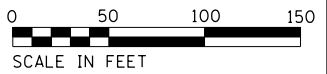
PRIVATE UTILITY TO BE
ADJUSTED BY OTHERS (TYP.)

CL LARAWAY RD



REMOVAL LEGEND

	SIGN REMOVAL
	CULVERT REMOVAL
	PAVEMENT REMOVAL
	DRIVEWAY REMOVAL
	UTILITY STRUCTURE REMOVAL
	ITEM RELOCATION
	STRUCTURE ADJUSTMENT
	STRUCTURE ABANDONMENT
	WETLANDS



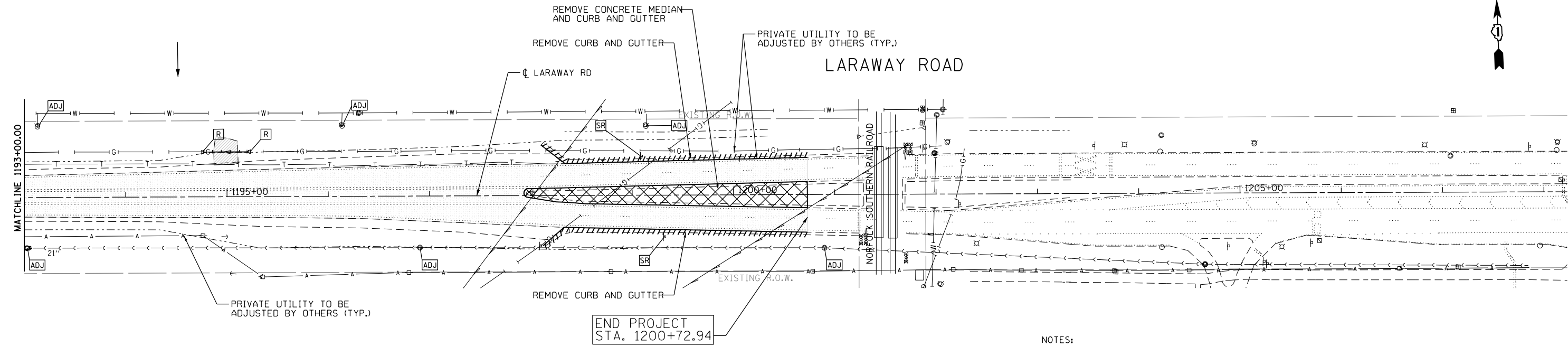
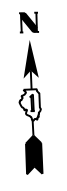
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#MODELNAME#	PLOT DATE = 4/26/2021	DATE 3/31/21	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

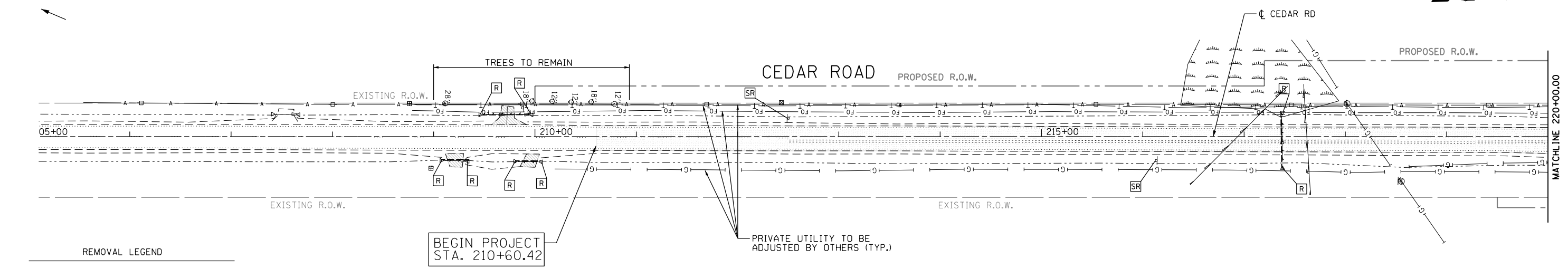
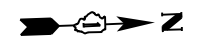
DEMOLITION AND REMOVAL PLANS
CEDAR ROAD AND LARAWAY ROAD

SCALE: 1" = 50' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	23
CONTRACT NO. 61B89				
ILLINOIS FED. AID PROJECT				



- NOTES:
1. PUBLIC UTILITIES ARE SHOWN AT EXISTING LOCATIONS AND ARE TO BE RELOCATED PRIOR TO START OF ROADWAY CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR THE NEW LOCATION OF ALL RELOCATED UNDERGROUND UTILITIES. THE UNDERGROUND UTILITIES BEING RELOCATED ARE TELEPHONE, AERIAL ELECTRIC, FIBER OPTIC, NATURAL GAS, AND CABLE.
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 3. EXISTING END SECTIONS FOR EACH CULVERT REMOVAL SHOWN SHALL BE CONSIDERED INCLUDED IN THE COST OF PIPE CULVERT REMOVAL PER IDOT ARTICLE 501.04.

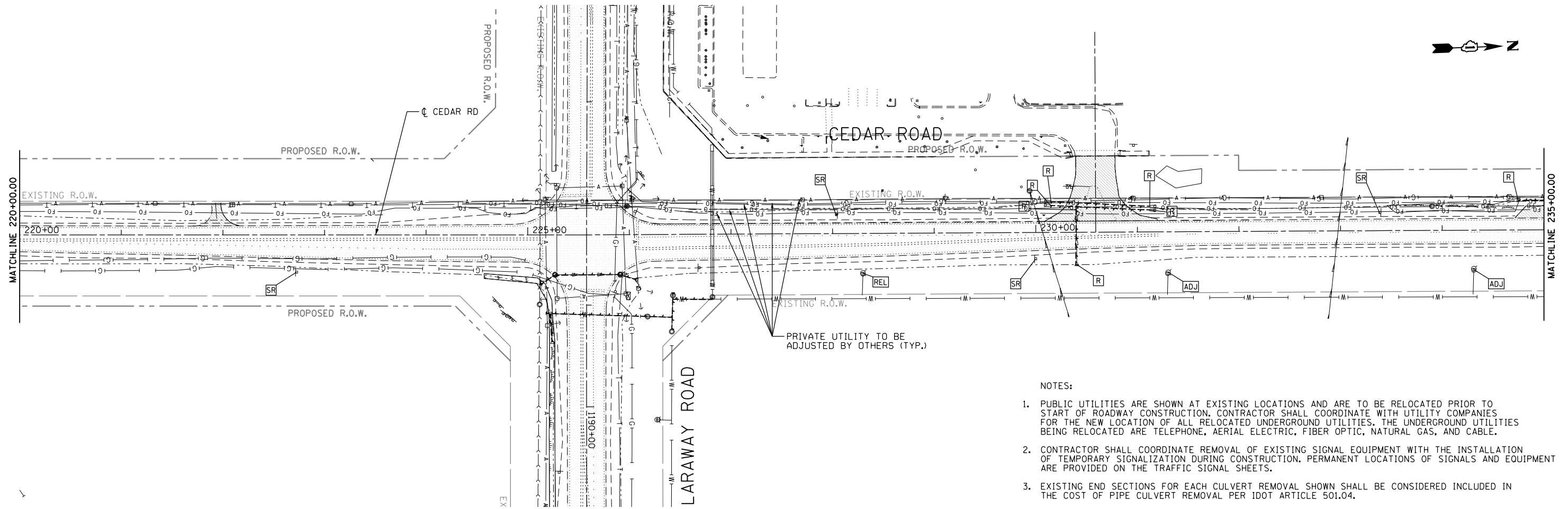


REMOVAL LEGEND

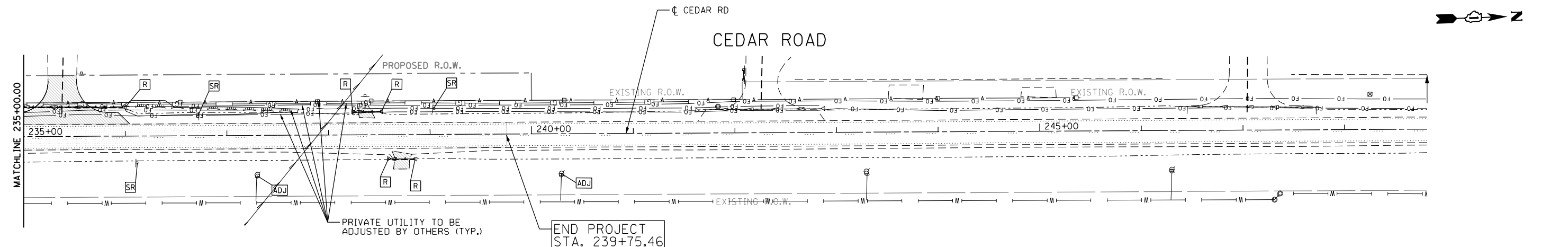
	SIGN REMOVAL
	CULVERT REMOVAL
	PAVEMENT REMOVAL
	DRIVEWAY REMOVAL
	UTILITY STRUCTURE REMOVAL
	ITEM RELOCATION
	STRUCTURE ADJUSTMENT
	STRUCTURE ABANDONMENT
	WETLANDS



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PLOT SCALE = 100.0000' / 1" =	CHECKED RCH	REVISIED -	SCALE: 1" = 50'			SHEET 2 OF 3 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT					
MODELNAME	PLOT DATE = 4/26/2021	DATE 3/31/21	REVISIED -										



- NOTES:
1. PUBLIC UTILITIES ARE SHOWN AT EXISTING LOCATIONS AND ARE TO BE RELOCATED PRIOR TO START OF ROADWAY CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR THE NEW LOCATION OF ALL RELOCATED UNDERGROUND UTILITIES. THE UNDERGROUND UTILITIES BEING RELOCATED ARE TELEPHONE, AERIAL ELECTRIC, FIBER OPTIC, NATURAL GAS, AND CABLE.
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 3. EXISTING END SECTIONS FOR EACH CULVERT REMOVAL SHOWN SHALL BE CONSIDERED INCLUDED IN THE COST OF PIPE CULVERT REMOVAL PER IDOT ARTICLE 501.04.



REMOVAL LEGEND

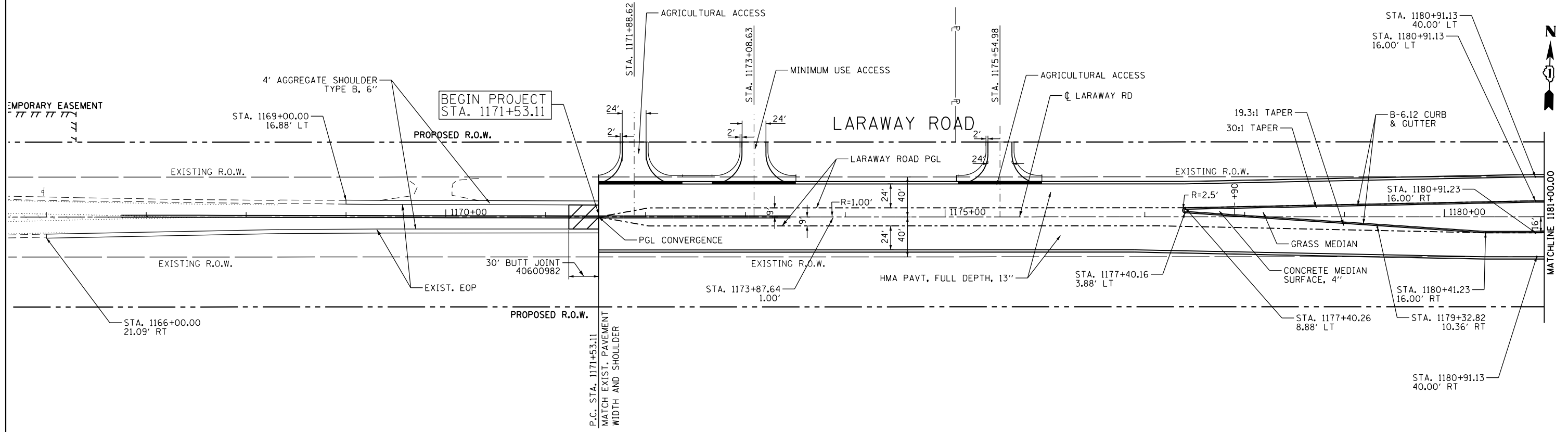
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---	CULVERT REMOVAL
▨	PAVEMENT REMOVAL
▩	DRIVEWAY REMOVAL
R	UTILITY STRUCTURE REMOVAL
REL	ITEM RELOCATION
ADJ	STRUCTURE ADJUSTMENT
AB	STRUCTURE ABANDONMENT
W	WETLANDS



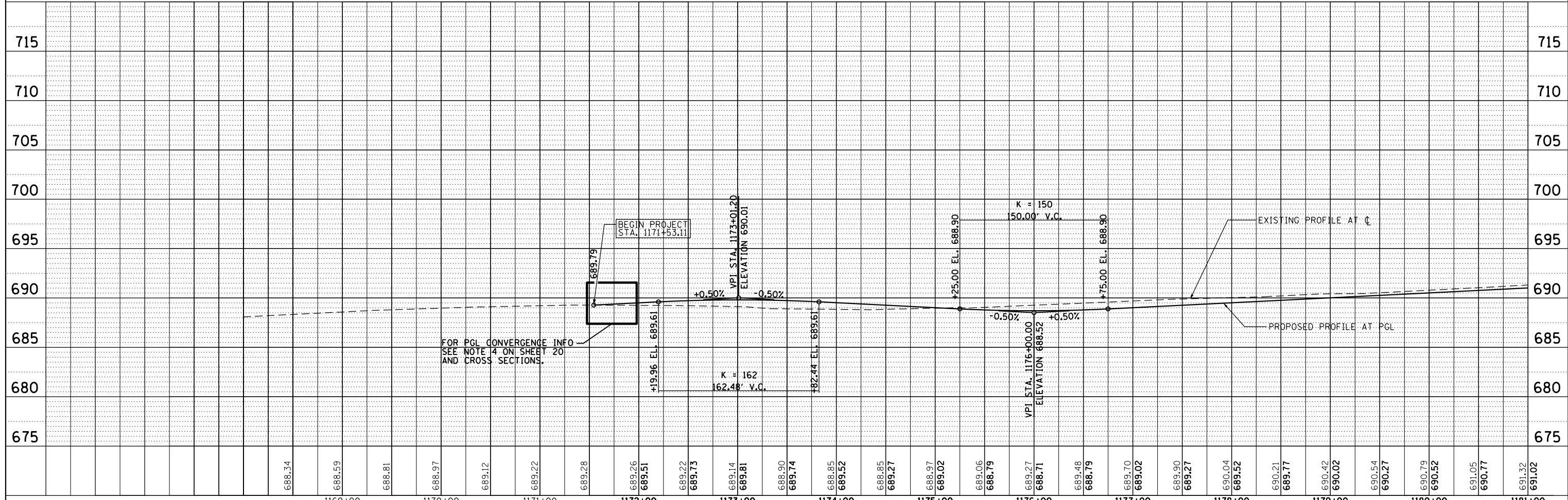
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PLOT SCALE = 100.0000' / 1" =	CHECKED RCH	REVISED -	369			08-00138-28-TL	WILL	156	25	
DATE 3/31/21	REVISI	REVISED -	CONTRACT NO. 61889							
DATE 3/31/21	REVISI	REVISED -	ILLINOIS FED. AID PROJECT							
				SCALE: 1" = 50'		SHEET 3 OF 3 SHEETS		STA. TO STA.		

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

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
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	STRUCTURE	
	NOTATIONS	
	CPAD	
	NO.	
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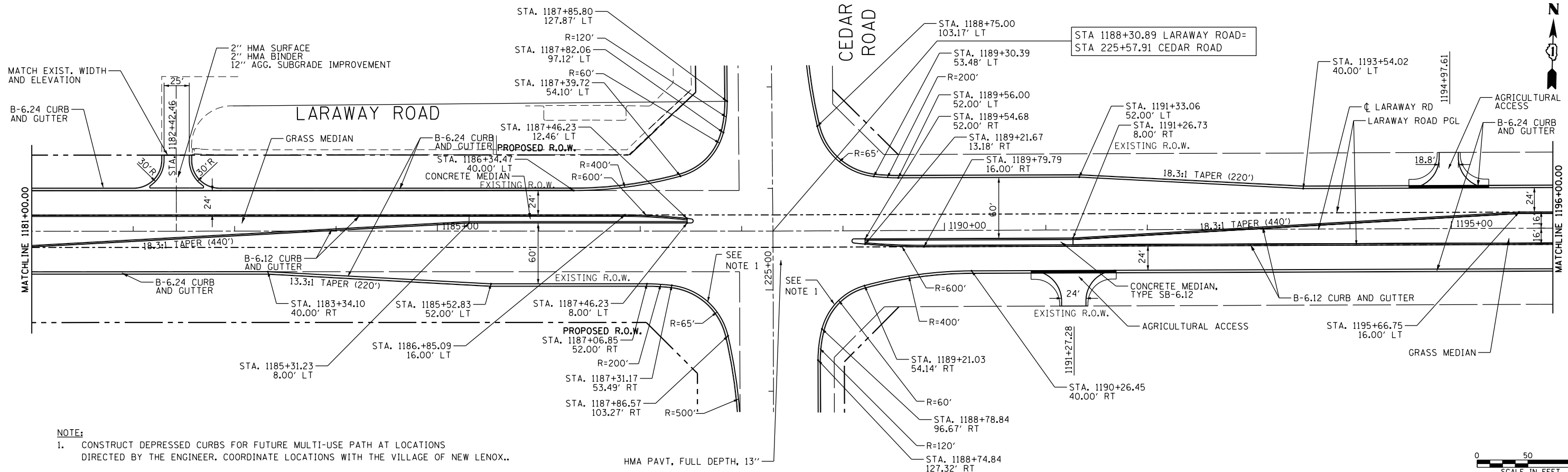
NOTE:
1. SEE WCDOT DETAILS FOR AGRICULTURAL ACCESS AND MINIMUM USE ACCESS.



FILE NAME =	USER NAME = mohammed.oi	DESIGNED JDW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE LARAWAY ROAD			F.A.U. RT. 369	SECTION 08-00138-28-TL	COUNTY WILL	TOTAL SHEETS 156	SHEET NO. 26
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#MODELNAME\$	PLOT DATE = 4/26/2021	CHECKED RCH	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE 3/31/21	REVISED -									

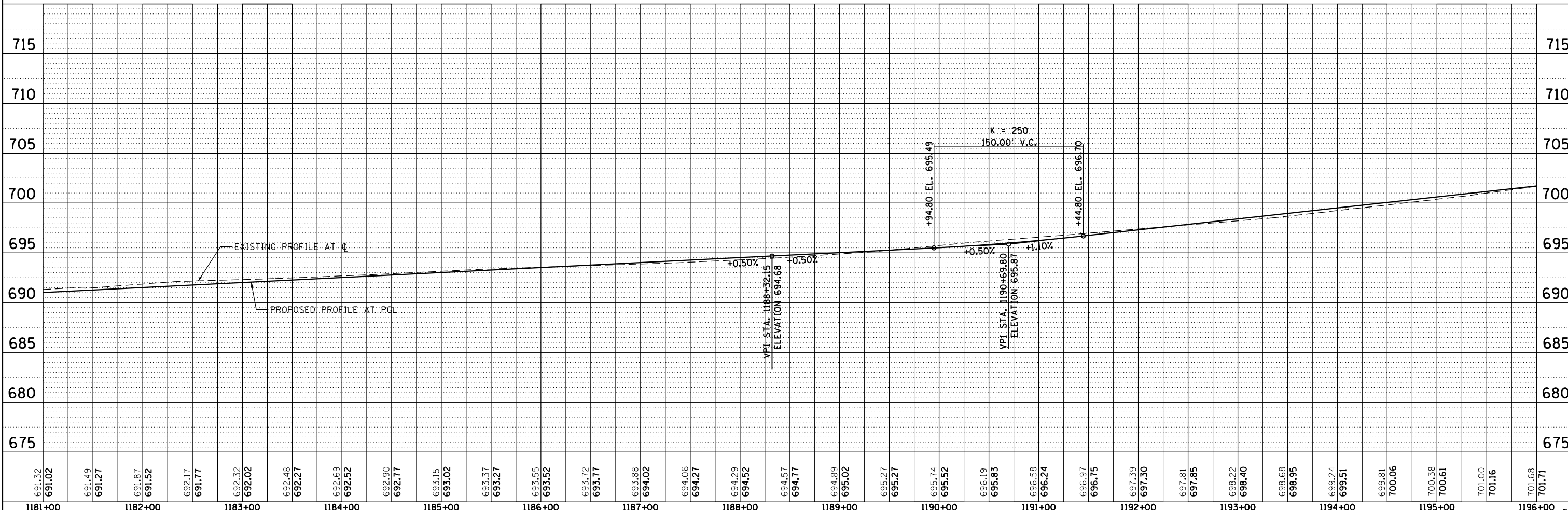
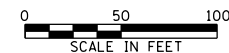
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	PLOTTED	BY
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	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

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



NOTE:
 1. CONSTRUCT DEPRESSED CURBS FOR FUTURE MULTI-USE PATH AT LOCATIONS DIRECTED BY THE ENGINEER. COORDINATE LOCATIONS WITH THE VILLAGE OF NEW LENOX..

HMA PAVT, FULL DEPTH, 13"



FILE NAME =	USER NAME = mohammed.oi	DESIGNED	JDW	REVISED	-
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MODELNAME =		CHECKED	RCH	REVISED	-
		DATE	3/31/21	REVISED	-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
 LARAWAY ROAD

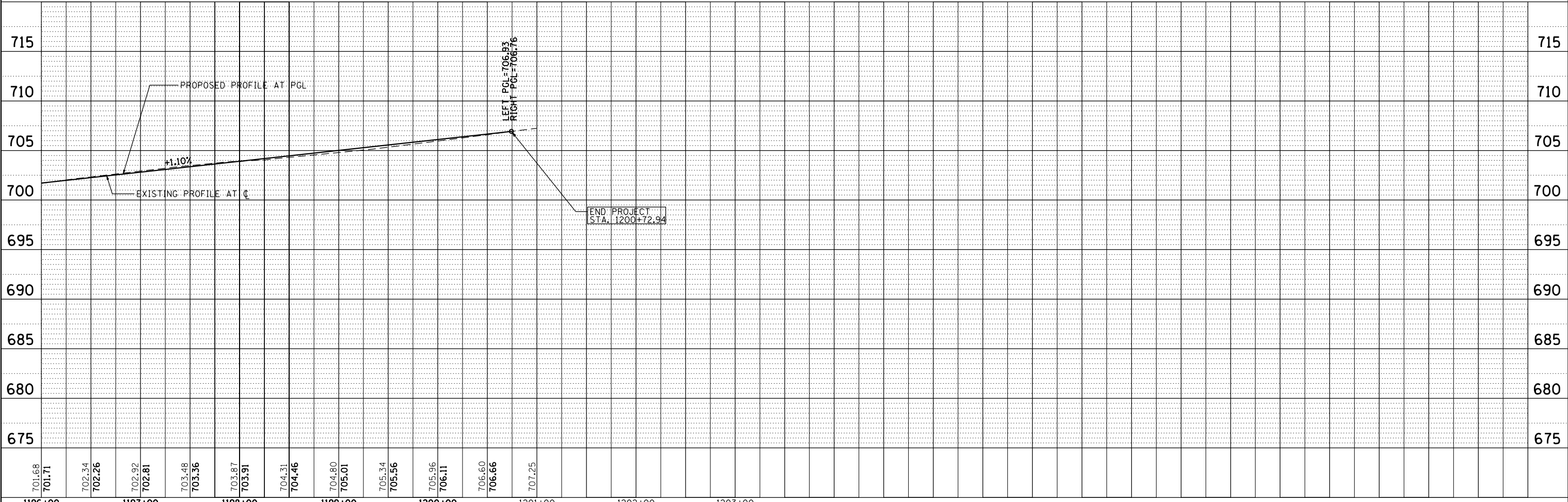
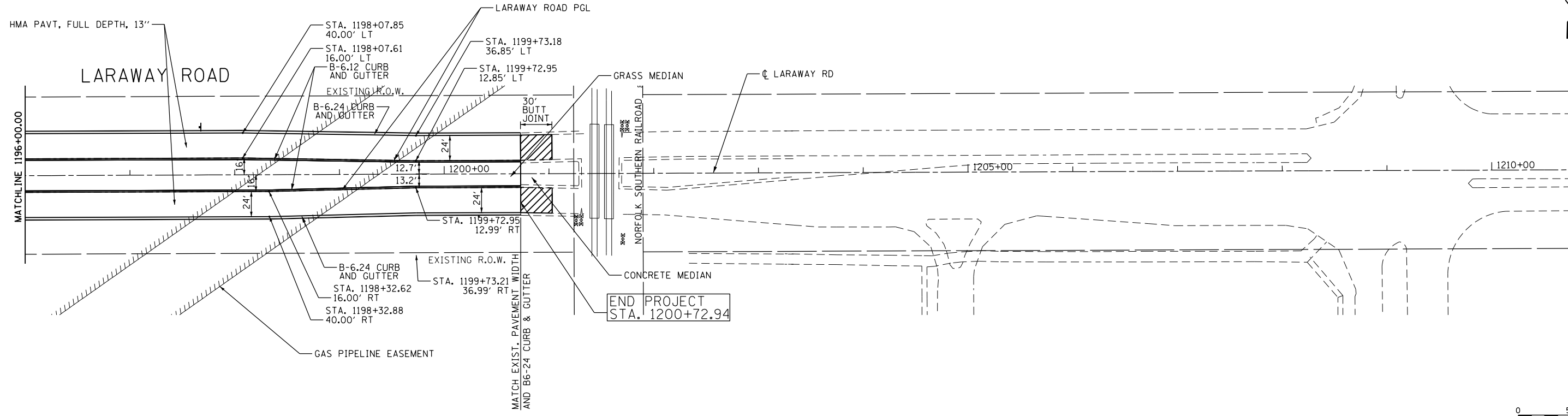
SCALE: SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.U. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	27
CONTRACT NO. 61889			ILLINOIS FED. AID PROJECT	



PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	ROAD FILE NAME		
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PROFILE	SURVEYED	BY	DATE
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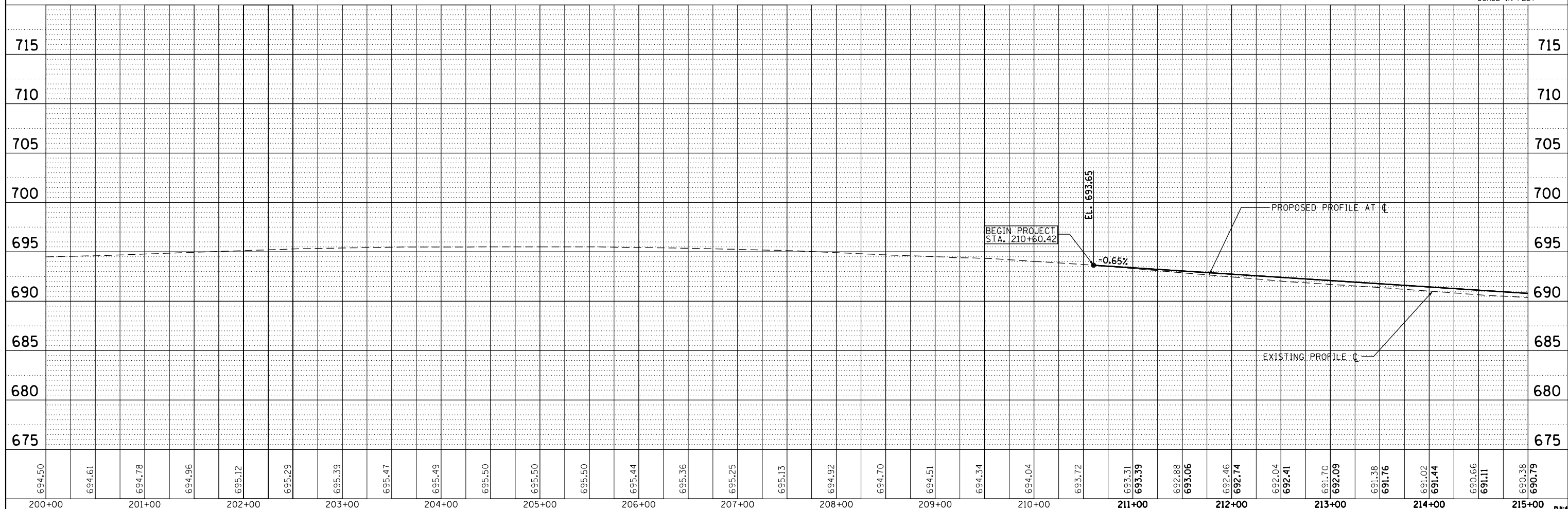
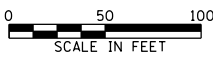
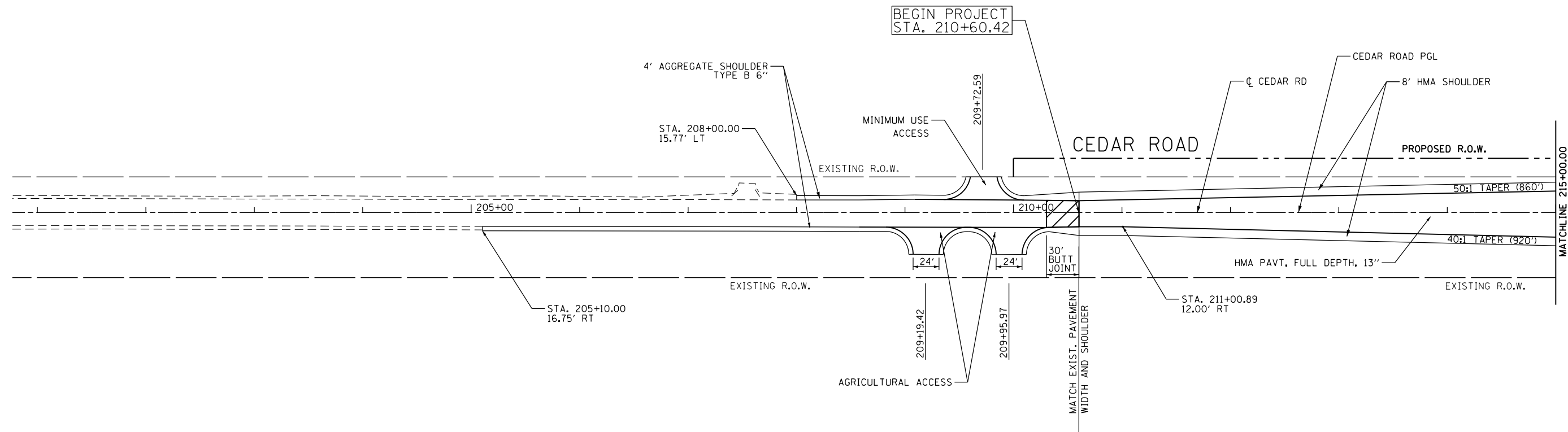
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	PLOT DATE = 4/26/2021	DATE 3/31/21	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE
LARAWAY ROAD**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	28
CONTRACT NO. 61889				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.



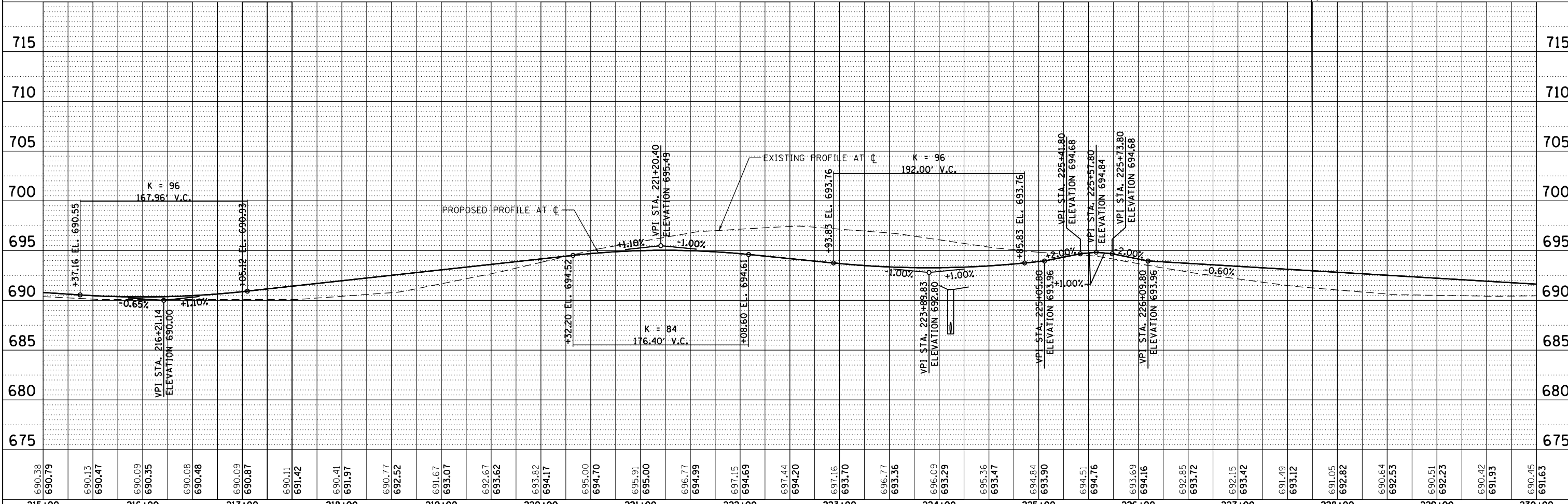
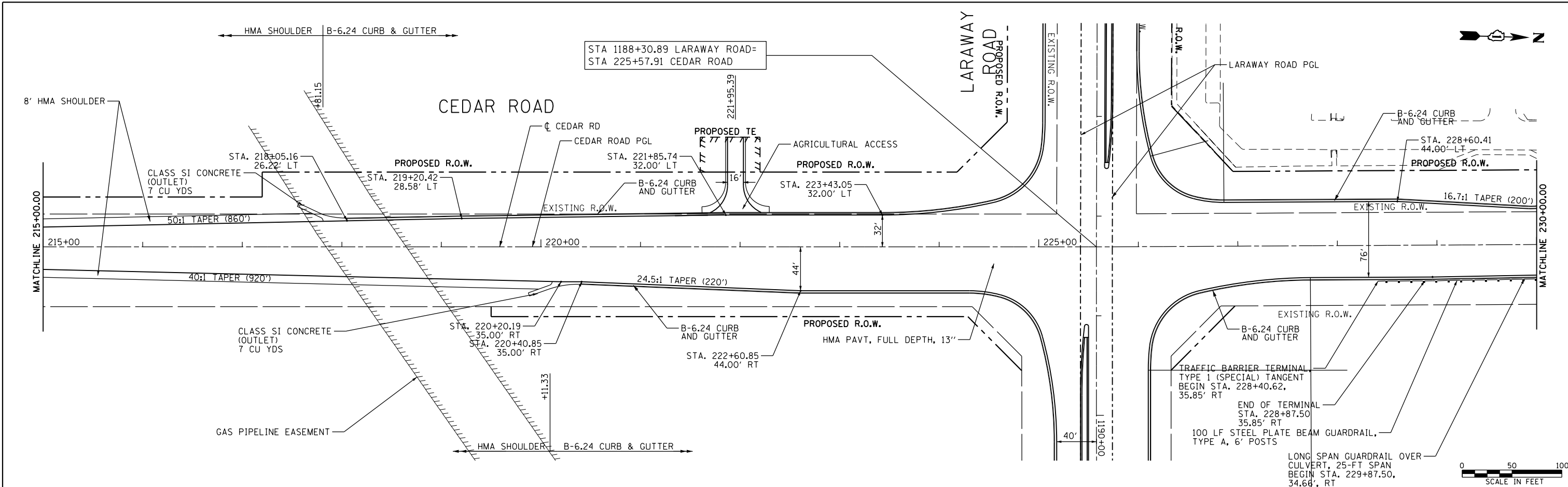
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	FILE NAME		

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	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	FILE NAME		

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	PLOT DATE = 4/26/2021	DATE 3/31/21	REVISED -			ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
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PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
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	STRUCTURE	
	NOTATIONS	
	CPAD	
	NO.	



FILE NAME =	USER NAME = mohammed.a.i	DESIGNED	JDW	REVISED	-
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MODELNAMEs		CHECKED	RCH	REVISED	-
		DATE	3/31/21	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE
CEDAR ROAD**

SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	30
CONTRACT NO. 61889			ILLINOIS FED. AID PROJECT	

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. THE MAINTENANCE OF TRAFFIC CONTROL (MOT) SHALL SERVE AS A GUIDE FOR SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT. HOWEVER, THE CONTRACTOR MAY MODIFY THE MOT PLANS TO MEET CONSTRUCTION NEEDS BUT NOT AT THE EXPENSE OF THE PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE MOT PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
2. THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE TO THE MOT PLANS.
3. ALL EXISTING PAVEMENT MARKINGS IN CONFLICT WITH THE MAINTENANCE OF TRAFFIC STRIPING SHALL BE REMOVED. THIS WORK WILL BE PAID FOR AS "PAVEMENT MARKING REMOVAL - WATER BLASTING".
4. THE CONTRACTOR SHALL REMOVE ALL THE TEMPORARY PAVEMENT MARKING TAPE WHICH CONFLICTS WITH THE NEXT STAGE OR FINAL STRIPING. REMOVAL OF TEMPORARY PAVEMENT MARKING TAPE WILL BE PAID FOR AS "PAVEMENT MARKING REMOVAL - WATER BLASTING".
5. THE WORKERS AND/OR FLAGGERS SIGN TO BE REMOVED WHEN WORKERS AND FLAGGERS NOT PRESENT FOR MORE THAN ONE HOUR.
6. TEMPORARY, OFF-PEAK HOUR LANE CLOSURES MUST BE REQUESTED THROUGH THE ENGINEER. TEMPORARY CLOSURES WILL ONLY BE PERMITTED DURING THE OFF-PEAK TRAFFIC VOLUMES HOURS. PEAK TRAFFIC VOLUME HOURS ARE DEFINED AS WEEKDAYS (MONDAY THROUGH FRIDAY) FROM 7:00 AM TO 9:00 AM AND 4:00 PM TO 6:00 PM. A PORTABLE CHANGEABLE MESSAGE SIGN SHALL BE INSTALLED ONE WEEK PRIOR TO THE CLOSURE. THE MESSAGE SIGN WORDING AND LOCATION WILL BE DETERMINED BY THE ENGINEER.
7. THE CONTRACTOR SHALL PLACE CHANGEABLE MESSAGE SIGN AT EACH END OF THE PROJECT AND/OR AS DIRECTED BY THE ENGINEER TO REINFORM MOTORISTS OF UPCOMING CONSTRUCTION ACTIVITIES. THE MESSAGE SIGNS WITH THE APPROPRIATE INFORMATION SHALL BE IN PLACE TWO WEEKS BEFORE START OF CONSTRUCTION ACTIVITY. THIS WORK IS TO BE PAID AS "CHANGEABLE MESSAGE SIGN".
8. DRUMS, VERTICAL PANELS AND BARRICADES AT ENTRANCES SHALL BE SPACED TO ALLOW FOR ACCESS DURING CONSTRUCTION. CONSTRUCT TEMPORARY ACCESS IN CONFORMANCE WITH THE SPECIAL PROVISION FOR "AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS". ACCESS TO PRIVATE PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL REPLACE ANY SIGNS THAT ARE SUPPLIED BY OTHERS AND DAMAGED BY THE CONTRACTORS WORK FORCE OR SUBCONTRACTORS DURING RELOCATION OR CONSTRUCTION OPERATIONS.
10. TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN CIRCUMSTANCES MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY OR REMOVE LANE CLOSURES OR REPAIR EXISTING TRAFFIC CONTROL. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENT AS DIRECTED BY THE ENGINEER WITHOUT DELAY. THE CONTRACTOR SHALL RESPOND WITHIN 30 MINUTES FROM THE TIME OF NOTIFICATION BY THE ENGINEER TO ANY REQUEST MADE BY THE ENGINEER FOR CORRECTION.
11. TYPE III BARRICADES WILL BE PROVIDED AT LOCATIONS SHOWN IN THE PLANS TO PROVIDE A PROPER CLOSER AS APPROVED BY THE ENGINEER.
12. ANY WORK NEAR RAILROAD TRACKS SHALL BE COORDINATED WITH THE METRA RAILROAD AND SHOULD NOT CONFLICT WITH RAILROAD STRIPING.
13. PIN BOTH SIDES OF TEMPORARY CONCRETE BARRIER WHENEVER POSSIBLE.
14. STORM SEWER LATERALS SHALL BE CONSTRUCTED IN THE SAME STAGE AS PAVEMNET CONSTRUCTION.
15. RAISED REFLECTIVE PAVEMENT MARKER REMOVAL SHALL BE INCLUDED FOR PAYMENT AS PART OF PAVEMENT REMOVAL.

SUGGESTED SEQUENCE OF CONSTRUCTION:

PRE-STAGE

1. CONSTRUCT TEMPORARY PAVEMENT ON SOUTH SIDE OF LARAWAY ROAD AND EAST SIDE OF CEDAR ROAD AS SHOWN ON STAGE I PLANS AND TYPICAL SECTION SHEET 33.
2. REMOVE THE CONCRETE MEDIAN WEST OF THE RAILROAD GRADE CROSSING.
3. INSTALL TEMPORARY PAVEMENT MARKING.

STAGE I

1. SHIFT TRAFFIC TO THE SOUTH SIDE OF LARAWAY ROAD AND THE EAST SIDE OF CEDAR ROAD.
2. CONSTRUCT THE PERMANENT PAVEMENT ON THE NORTH SIDE OF LARAWAY ROAD AND THE WEST SIDE OF CEDAR ROAD, EXCEPT AS SHOWN IN INTERSECTION SUB-STAGES.
3. CONSTRUCT A PORTION OF THE PERMANENT PAVEMENT ON THE SOUTH SIDE OF LARAWAY ROAD WEST OF THE INTERSECTION.
4. COMPLETE THE PERMANENT PAVEMENT IN SUB-STAGE IA
5. COMPLETE THE PERMANENT PAVEMENT IN SUB-STAGE IB
6. COMPLETE THE PERMANENT PAVEMENT IN SUB-STAGE IC
7. INSTALL TEMPORARY PAVEMENT MARKING FOR EACH SUB-STAGE.

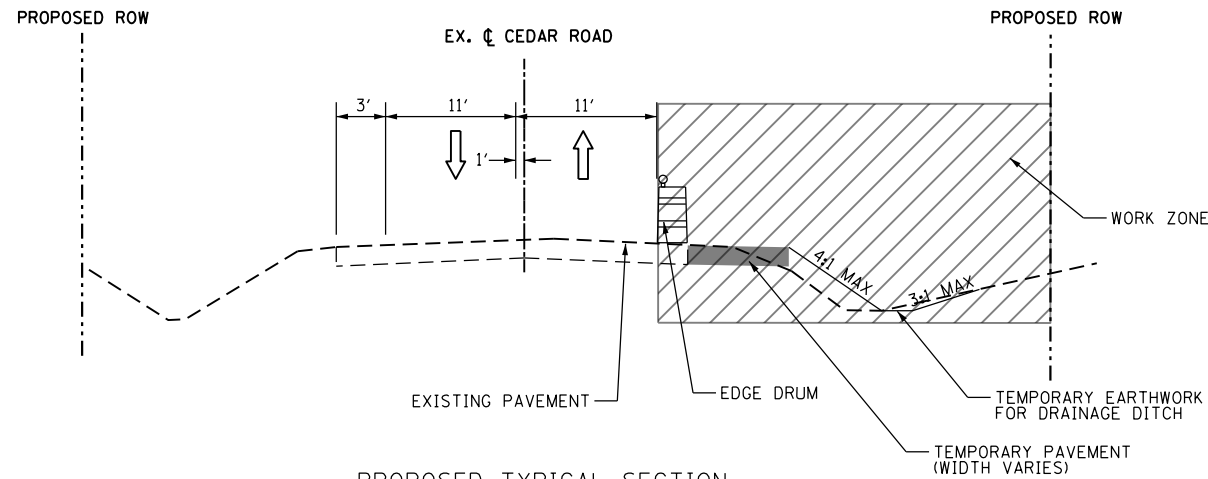
STAGE II

1. SHIFT TRAFFIC TO THE NORTH SIDE OF LARAWAY ROAD AND THE WEST SIDE OF CEDAR ROAD.
2. REMOVE TEMPORARY PAVEMENT PLACED IN THE PRE-STAGE.
3. CONSTRUCT THE PERMANENT PAVEMENT ON THE SOUTH SIDE OF LARAWAY ROAD AND THE EAST SIDE OF CEDAR ROAD.
4. PLACE PERMANENT PAVEMENT MARKING.
5. OPEN ALL LANES TO TRAFFIC EXCEPT AS SHOWN FOR STAGE III.

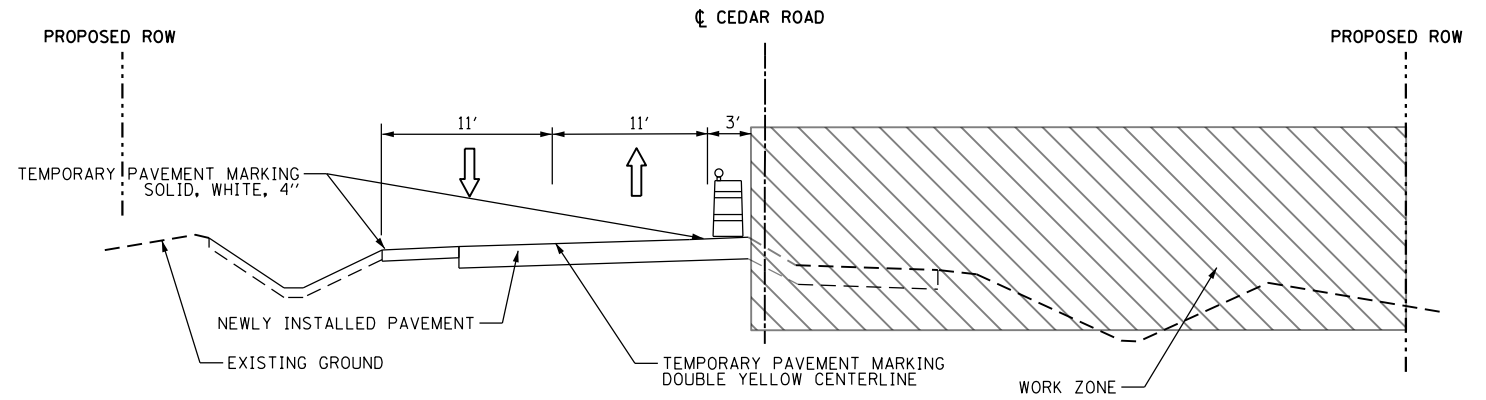
STAGE III

1. CLOSE THE INSIDE LANES OF LARAWAY ROAD EAST OF THE INTERSECTION TO EAST OF THE RAILROAD GRADE CROSSING.
2. CONSTRUCT MEDIAN.
3. COMPLETE FINAL PAVEMENT MARKING.
4. FULLY OPEN ALL LANES TO TRAFFIC.

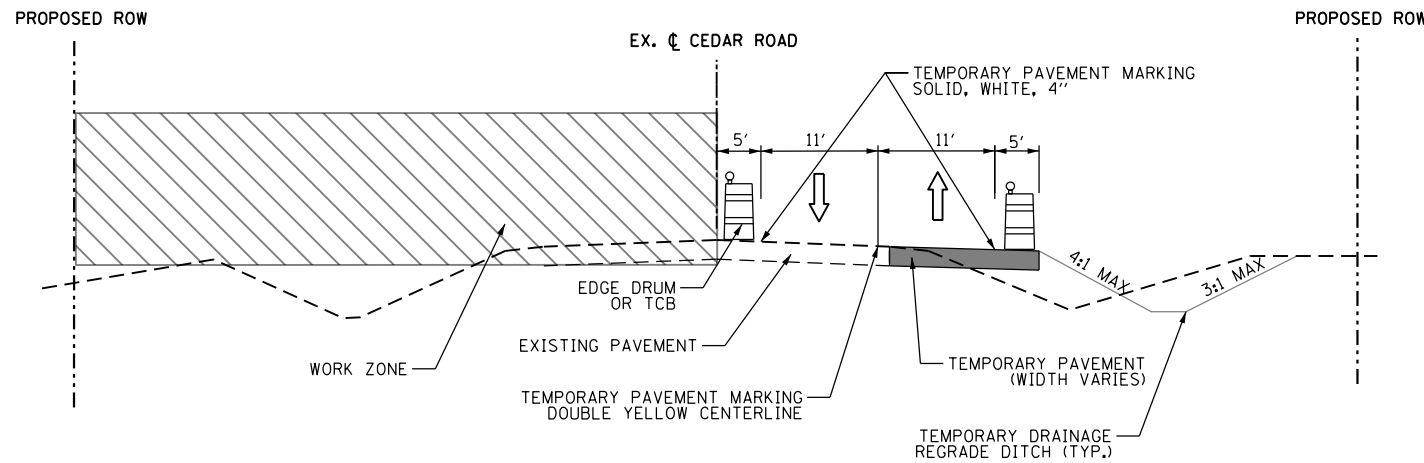
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	PLOT DATE = 4/26/2021	DATE 3/31/21	REVISED -			SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	



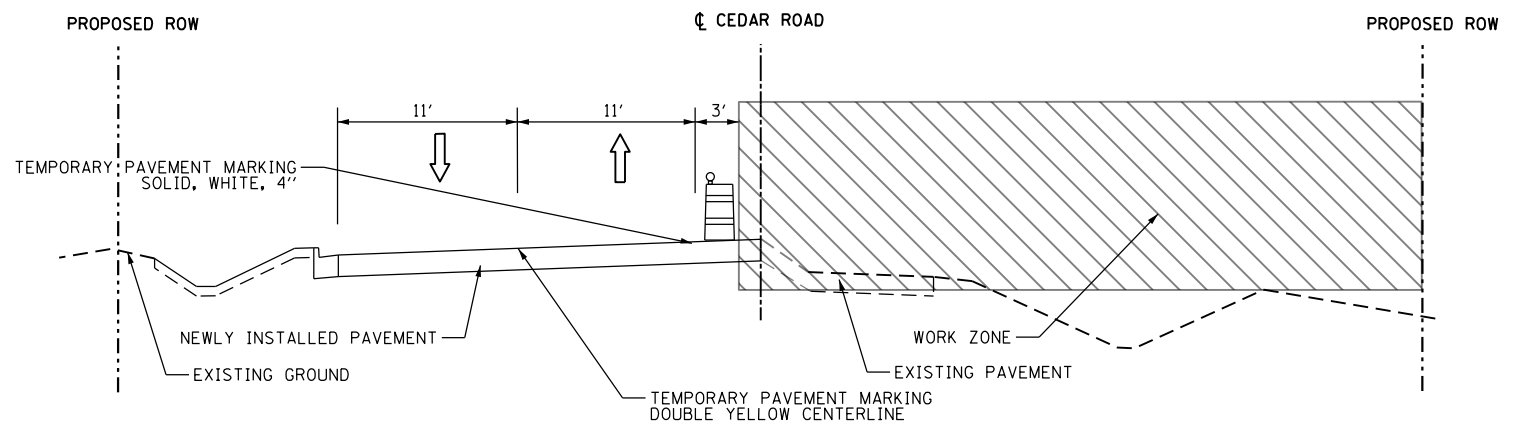
PROPOSED TYPICAL SECTION
CEDAR ROAD-PRESTAGE
STA. 205+10 TO STA. 245+00
NOT TO SCALE



PROPOSED TYPICAL SECTION
CEDAR ROAD - STAGE II
STA. 208+96 TO STA. 217+81.15
STA. 231+15.22 TO STA. 240+62
NOT TO SCALE



PROPOSED TYPICAL SECTION
CEDAR ROAD - STAGE I
STA. 210+60 TO STA. 242+83.50
(LANES TAPER STA. 205+10 TO 210+60 AND STA. 239+79 TO STA. 245+00)
NOT TO SCALE



PROPOSED TYPICAL SECTION
CEDAR ROAD - STAGE II
STA 217+81.15 TO 231+15.22
NOT TO SCALE

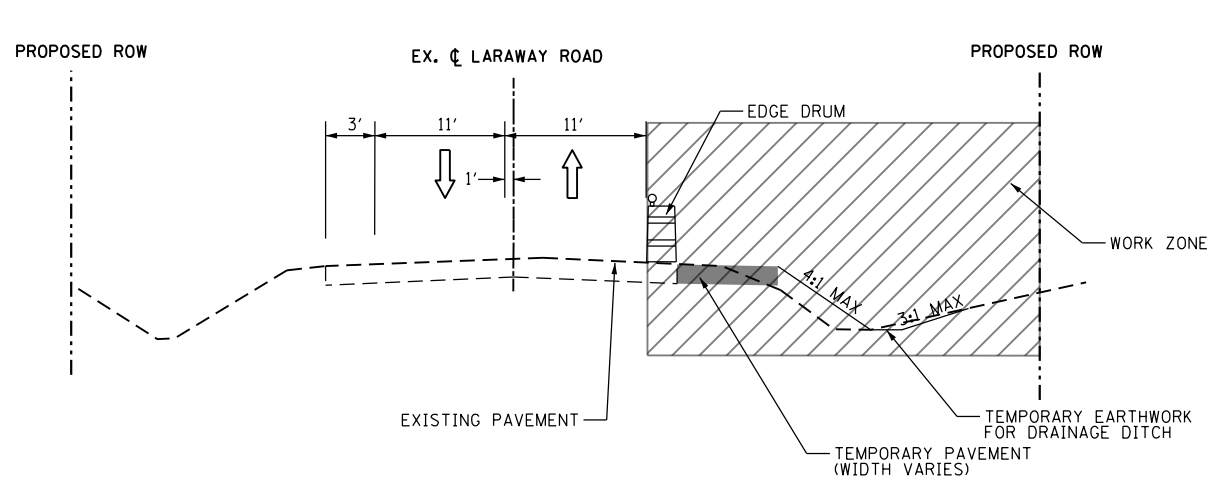
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#MODELNAME#	PLOT DATE = 4/26/2021	DATE 3/31/21	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

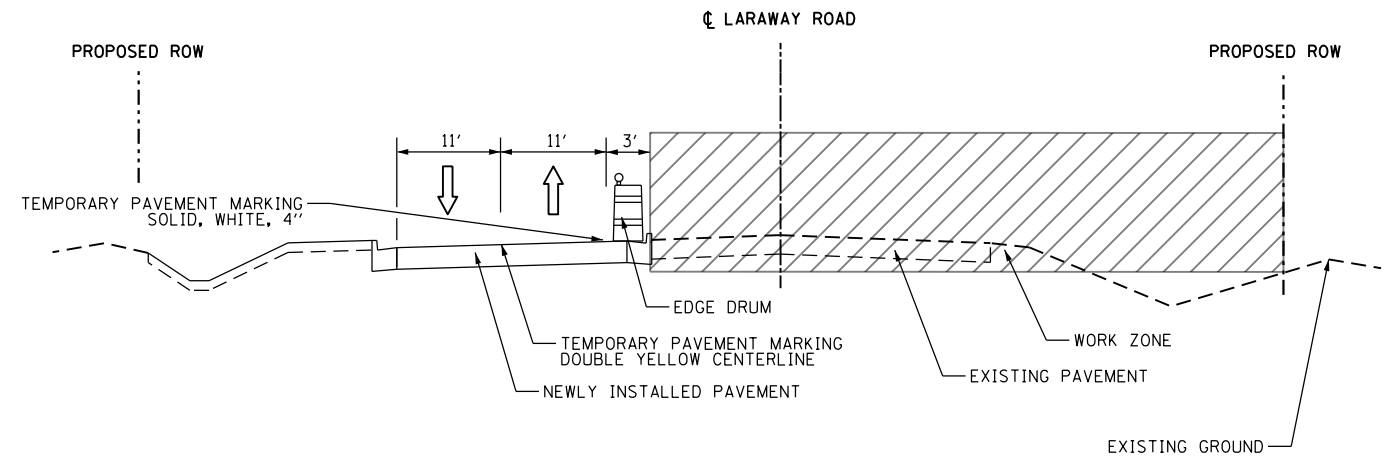
MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS
CEDAR ROAD

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

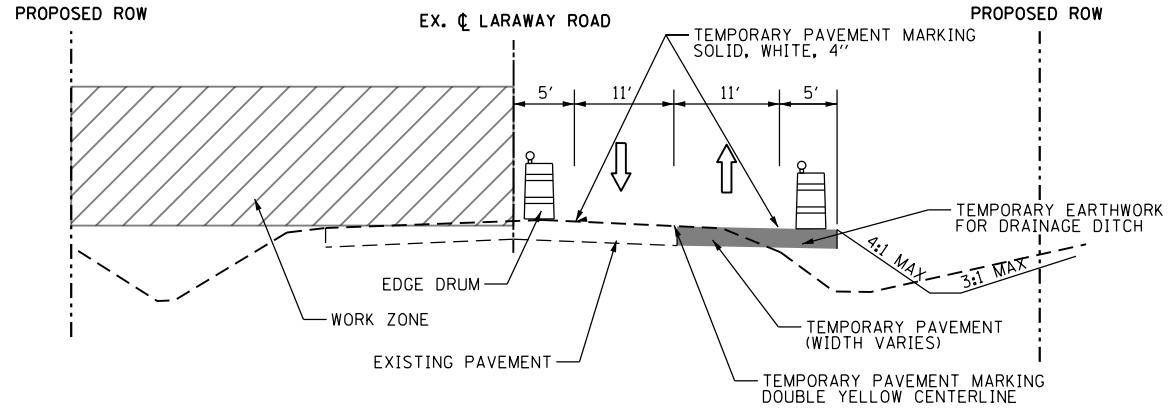
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	33
				CONTRACT NO. 61B89
ILLINOIS FED. AID PROJECT				



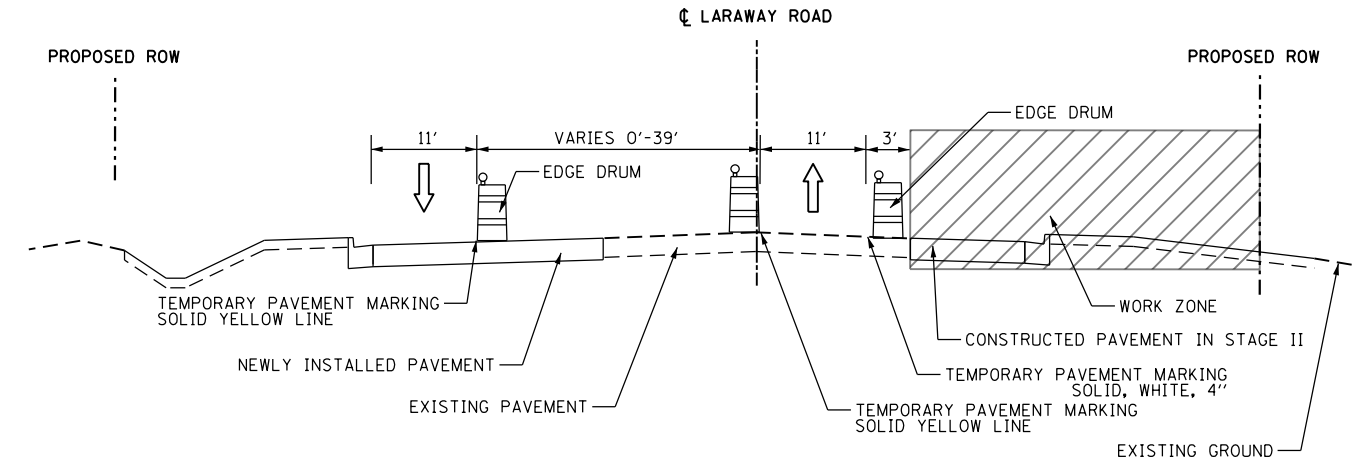
PROPOSED TYPICAL SECTION
LARAWAY ROAD - PRE-STAGE
STA. 1166+28 TO STA. 1195+86.51
NOT TO SCALE



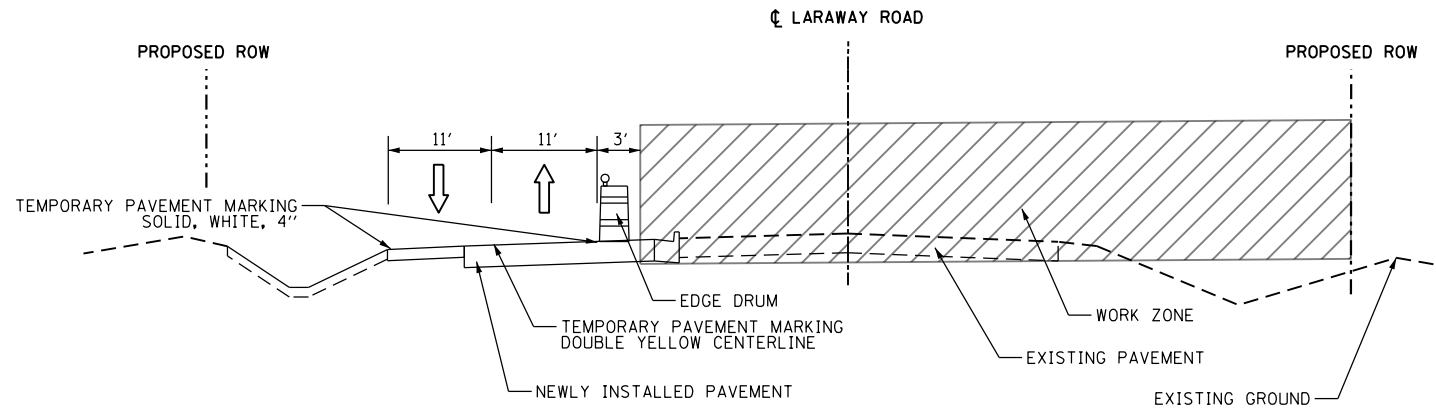
PROPOSED TYPICAL SECTION
LARAWAY ROAD - STAGE II
STA 1178+81 TO 1193+10.00
NOT TO SCALE



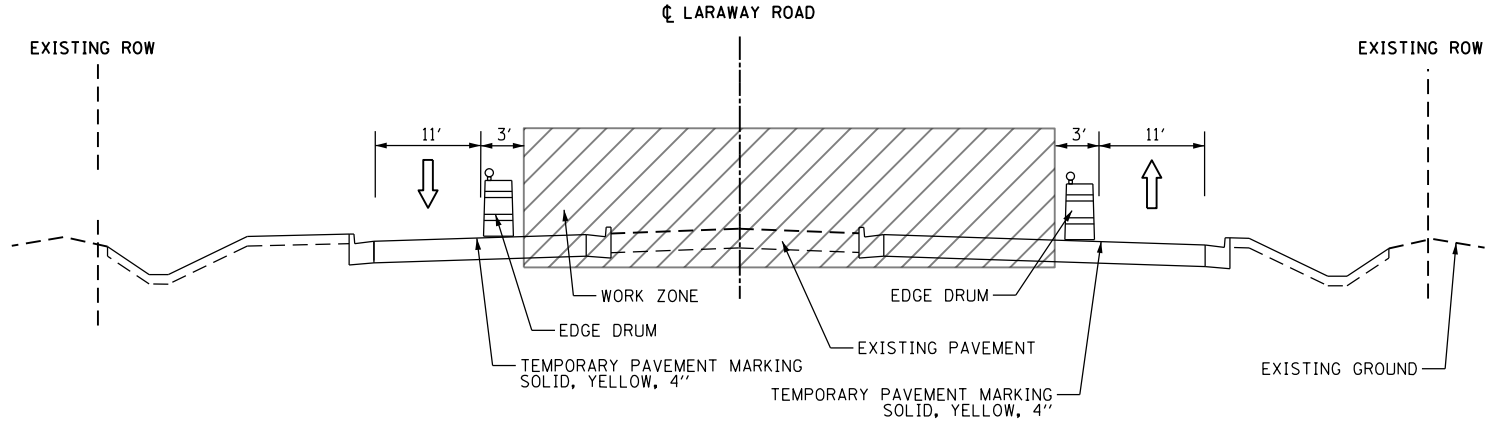
PROPOSED TYPICAL SECTION
LARAWAY ROAD - STAGE I
STA. 1171+50 TO STA. 1200+72.94
(LANES TAPER STA. 1166+28 TO STA. 1171+50 AND STA. 1195+86.51 TO STA. 1200+72.94)
NOT TO SCALE



PROPOSED TYPICAL SECTION
LARAWAY ROAD - STAGE II
STA 1193+10.00 TO 1200+72.94
NOT TO SCALE



PROPOSED TYPICAL SECTION
LARAWAY ROAD - STAGE II
STA 1170+03 TO 1178+81
NOT TO SCALE



PROPOSED TYPICAL SECTION
LARAWAY ROAD - STAGE III
STA 1193+77.49 TO 1200+72.94
NOT TO SCALE

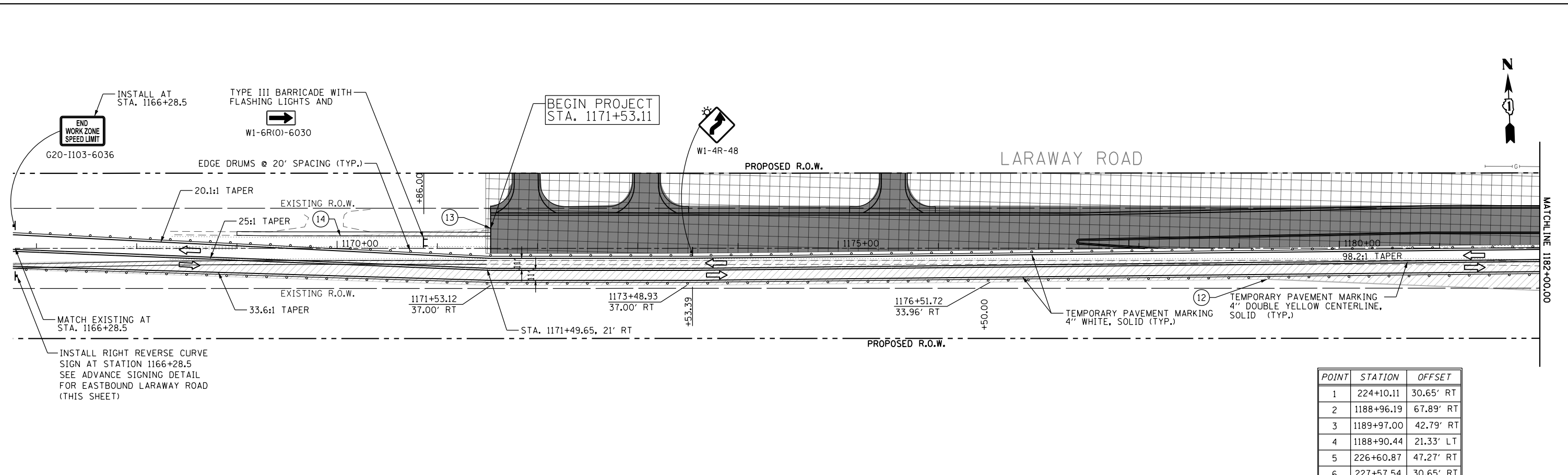
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#MODELNAME#	PLOT DATE = 4/26/2021	CHECKED RCH	REVISED -
		DATE 3/31/21	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

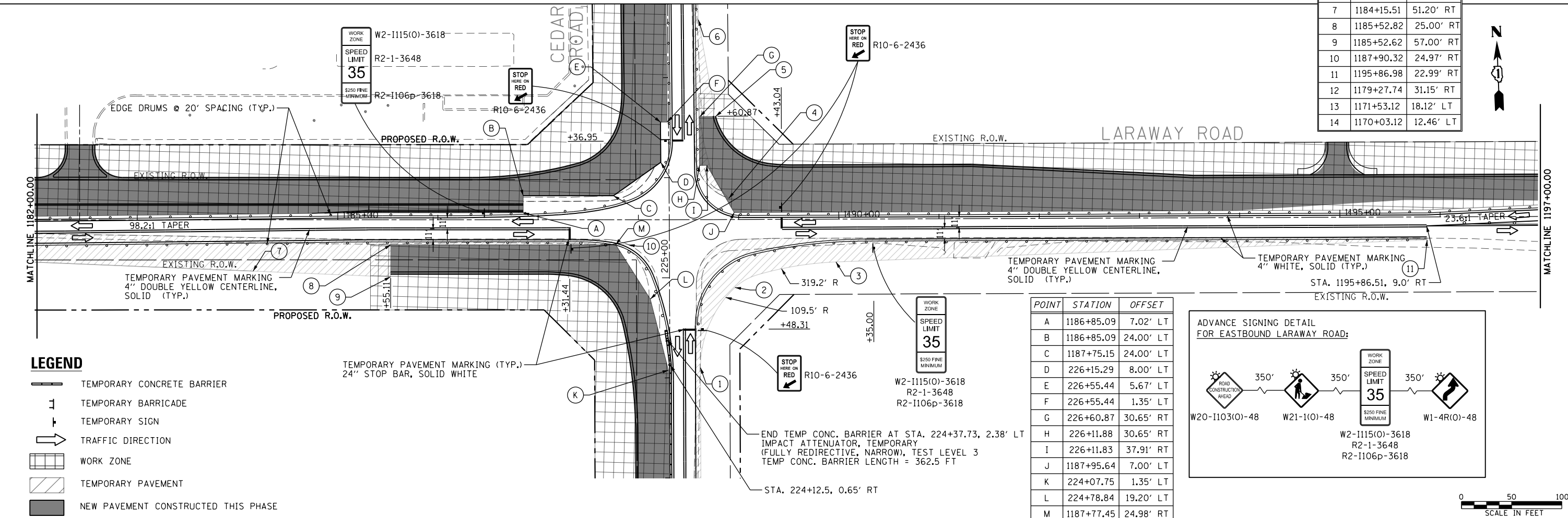
MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS
LARAWAY ROAD

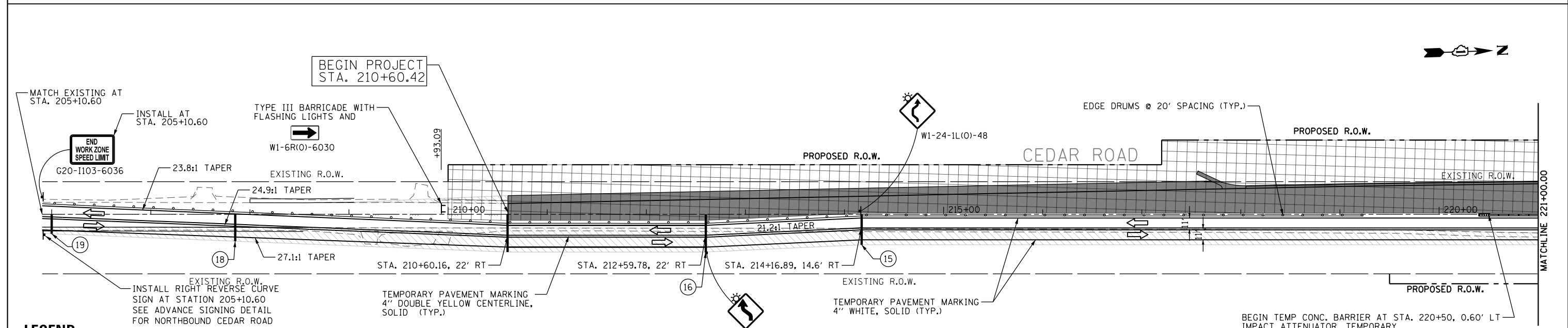
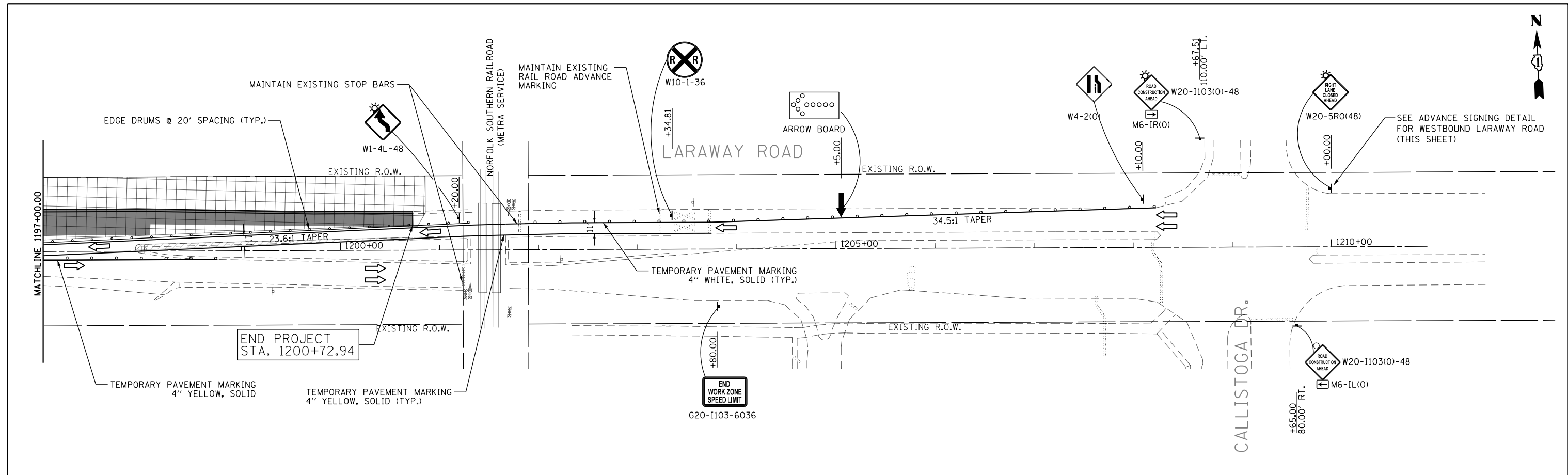
F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	34
CONTRACT NO. 61B89				
ILLINOIS FED. AID PROJECT				

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



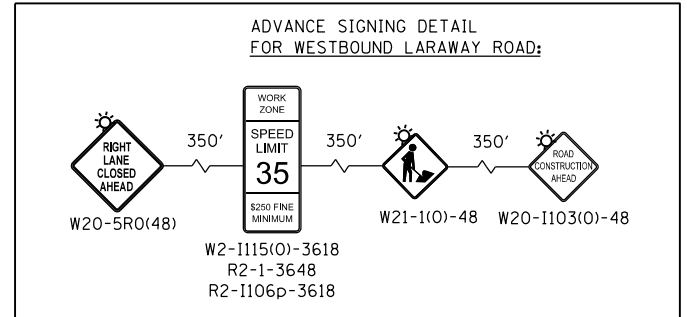
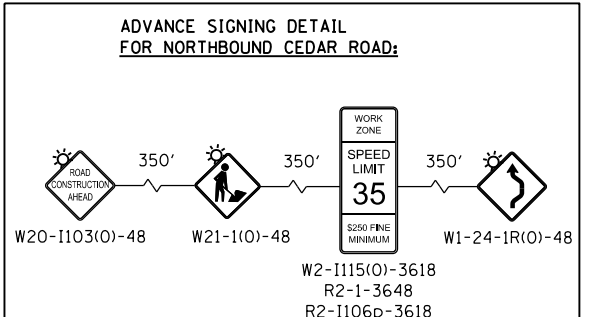
POINT	STATION	OFFSET
1	224+10.11	30.65' RT
2	1188+96.19	67.89' RT
3	1189+97.00	42.79' RT
4	1188+90.44	21.33' LT
5	226+60.87	47.27' RT
6	227+57.54	30.65' RT
7	1184+15.51	51.20' RT
8	1185+52.82	25.00' RT
9	1185+52.62	57.00' RT
10	1187+90.32	24.97' RT
11	1195+86.98	22.99' RT
12	1179+27.74	31.15' RT
13	1171+53.12	18.12' LT
14	1170+03.12	12.46' LT



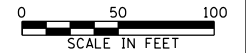


LEGEND

- TEMPORARY CONCRETE BARRIER
- TEMPORARY BARRICADE
- TEMPORARY SIGN
- ARROW BOARD
- TRAFFIC DIRECTION
- WORK ZONE
- TEMPORARY PAVEMENT
- NEW PAVEMENT CONSTRUCTED THIS PHASE



POINT	STATION	OFFSET
15	213+17.27	30.64' RT
16	212+60.11	38.05' RT
17	210+59.93	38.05' LT
18	207+85.14	27.02' RT
19	206+00.00	19.60' RT



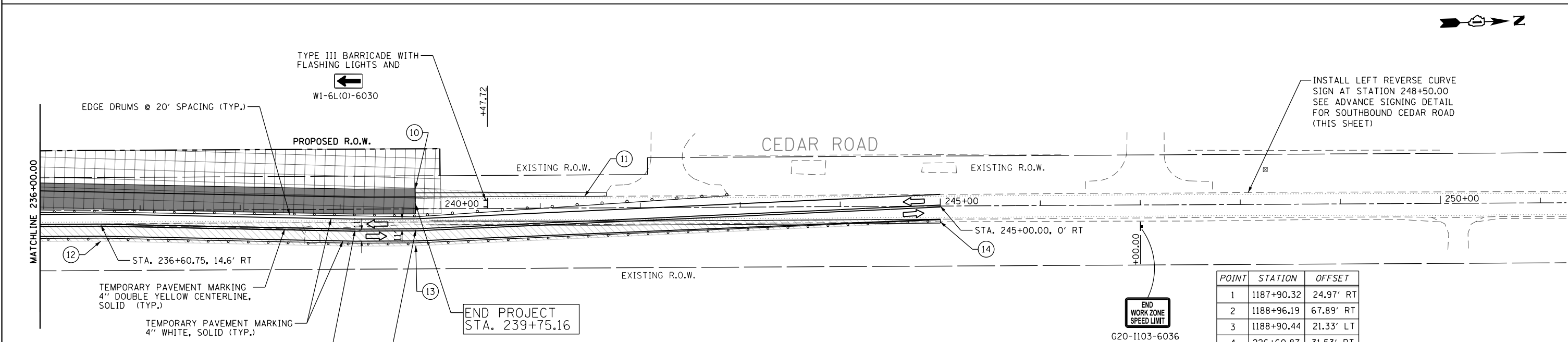
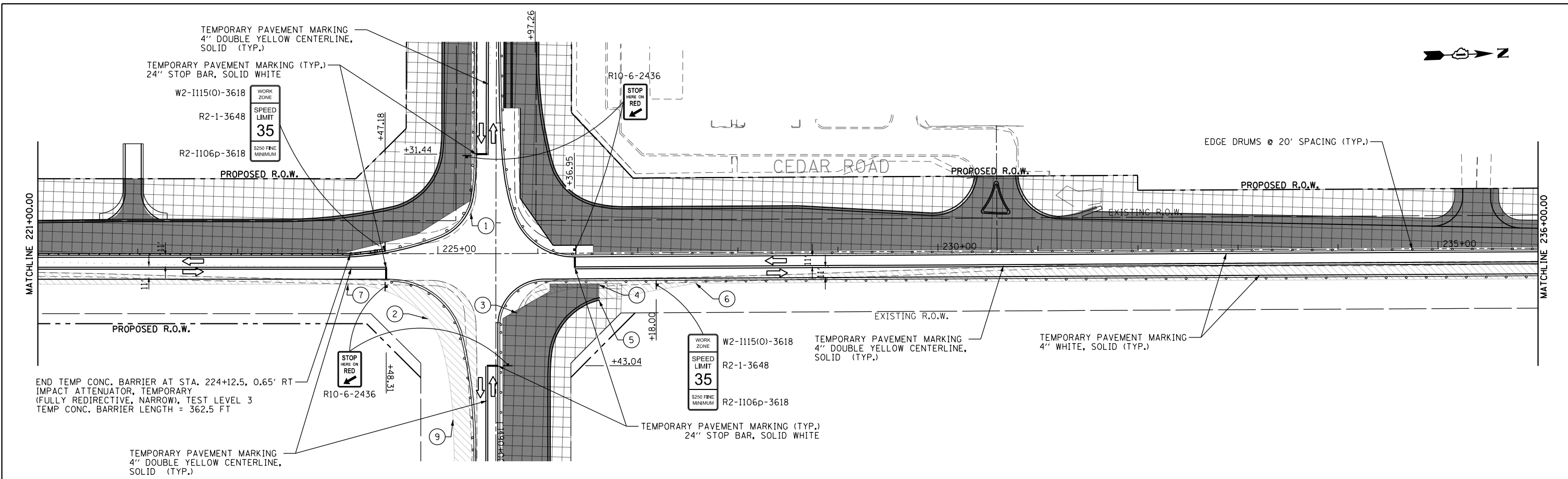
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#MODELNAME#	PLOT DATE = 4/26/2021	DATE	3/31/21	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - STAGE I
LARAWAY ROAD AND CEDAR ROAD**

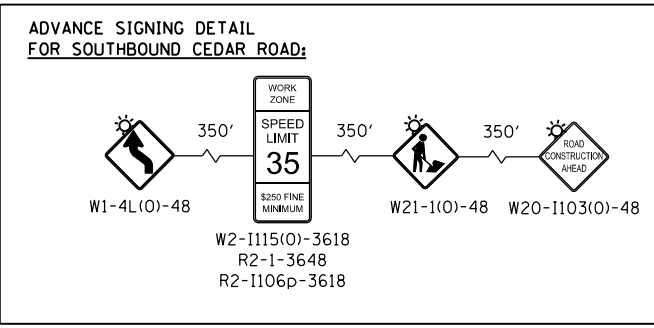
SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	36
CONTRACT NO. 61889			ILLINOIS FED. AID PROJECT	



LEGEND

- TEMPORARY CONCRETE BARRIER
- TEMPORARY BARRICADE
- TEMPORARY SIGN
- TRAFFIC DIRECTION
- WORK ZONE
- TEMPORARY PAVEMENT
- NEW PAVEMENT CONSTRUCTED THIS PHASE



POINT	STATION	OFFSET
1	1187+90.32	24.97' RT
2	1188+96.19	67.89' RT
3	1188+90.44	21.33' LT
4	226+60.87	31.53' RT
5	226+60.87	47.27' RT
6	227+57.54	30.65' RT
7	224+10.11	30.65' RT
8	222+56.09	30.65' RT
9	1189+97.00	42.79' RT
10	239+75.16	20.00' LT
11	241+44.45	11.63' LT
12	236+60.55	30.65' RT
13	239+75.49	37.00' RT
14	245+00.07	15.77' RT



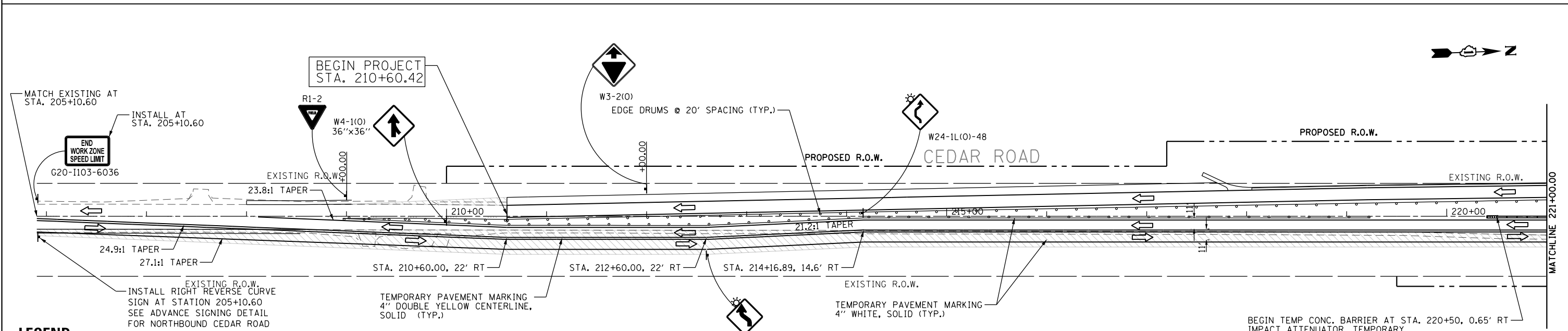
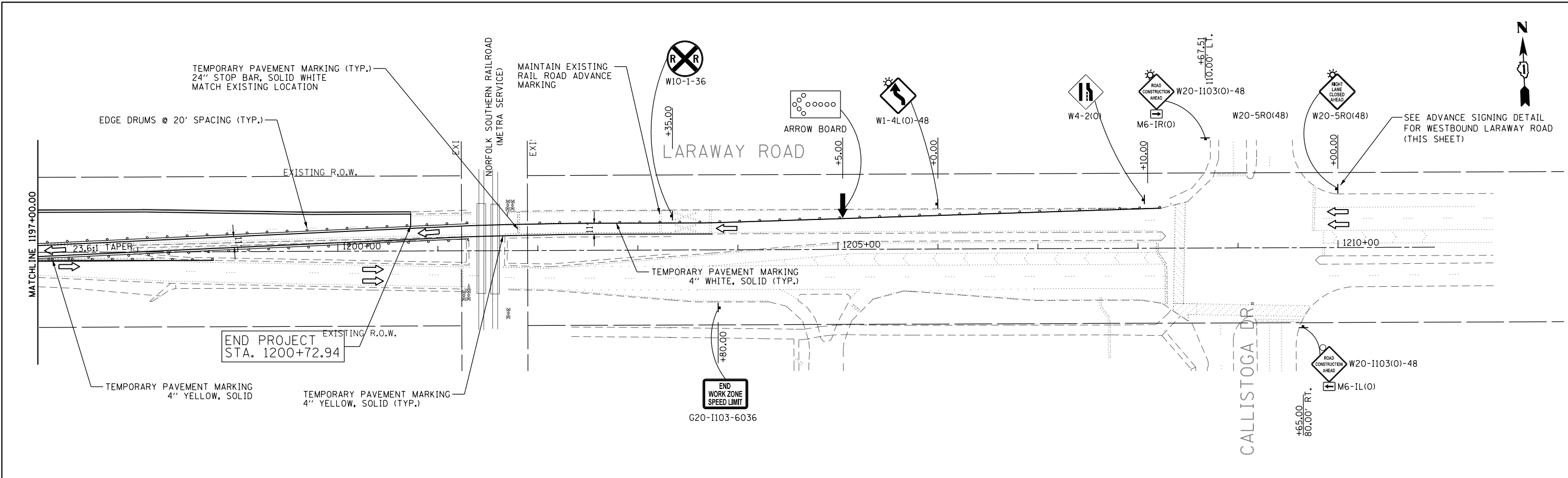
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	PLOT DATE = 4/26/2021	DATE 3/31/21	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - STAGE I
CEDAR ROAD**

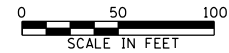
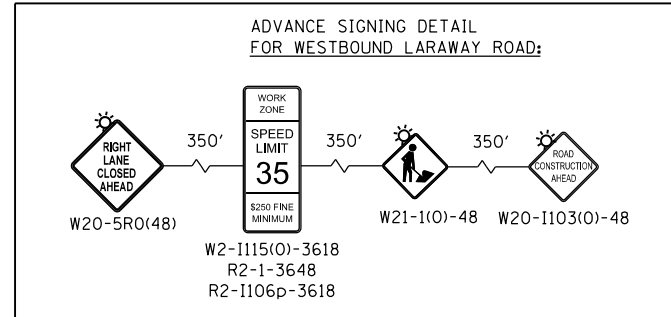
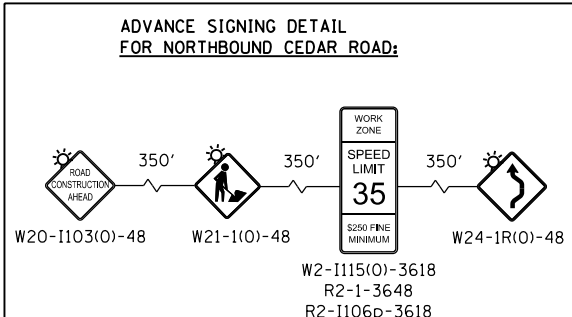
SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	37
CONTRACT NO. 61889				
ILLINOIS FED. AID PROJECT				



LEGEND

- TEMPORARY CONCRETE BARRIER
- TEMPORARY BARRICADE
- TEMPORARY SIGN
- ARROW BOARD
- TRAFFIC DIRECTION
- WORK ZONE
- TEMPORARY PAVEMENT
- NEW PAVEMENT CONSTRUCTED THIS PHASE

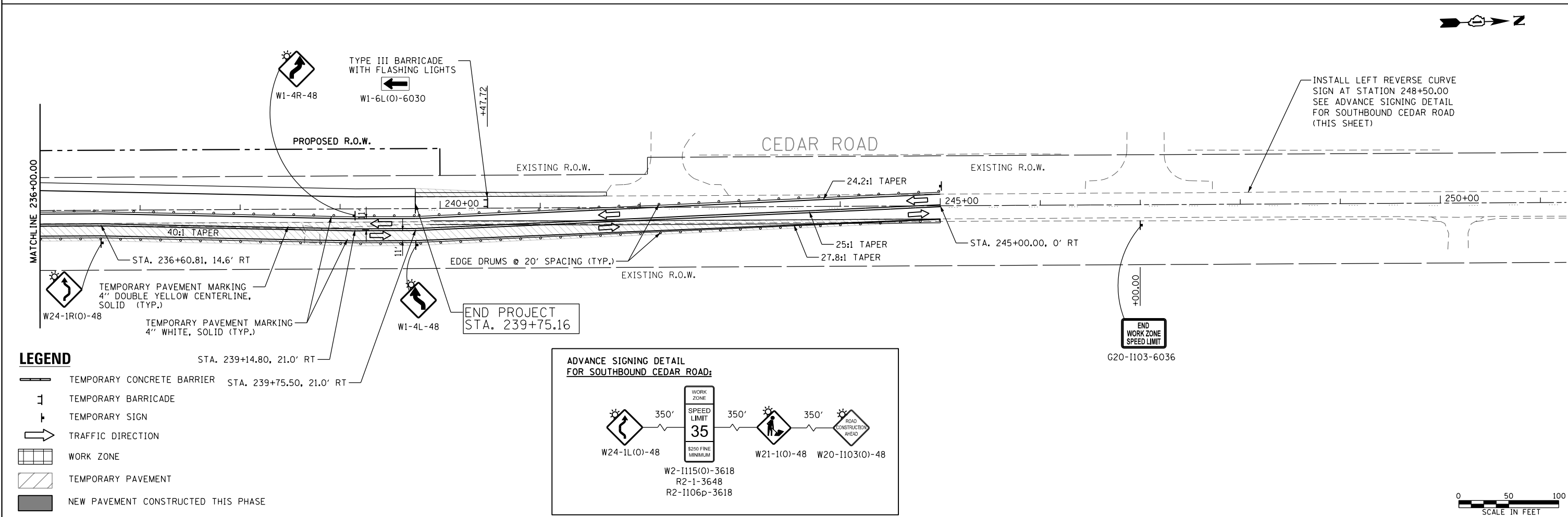
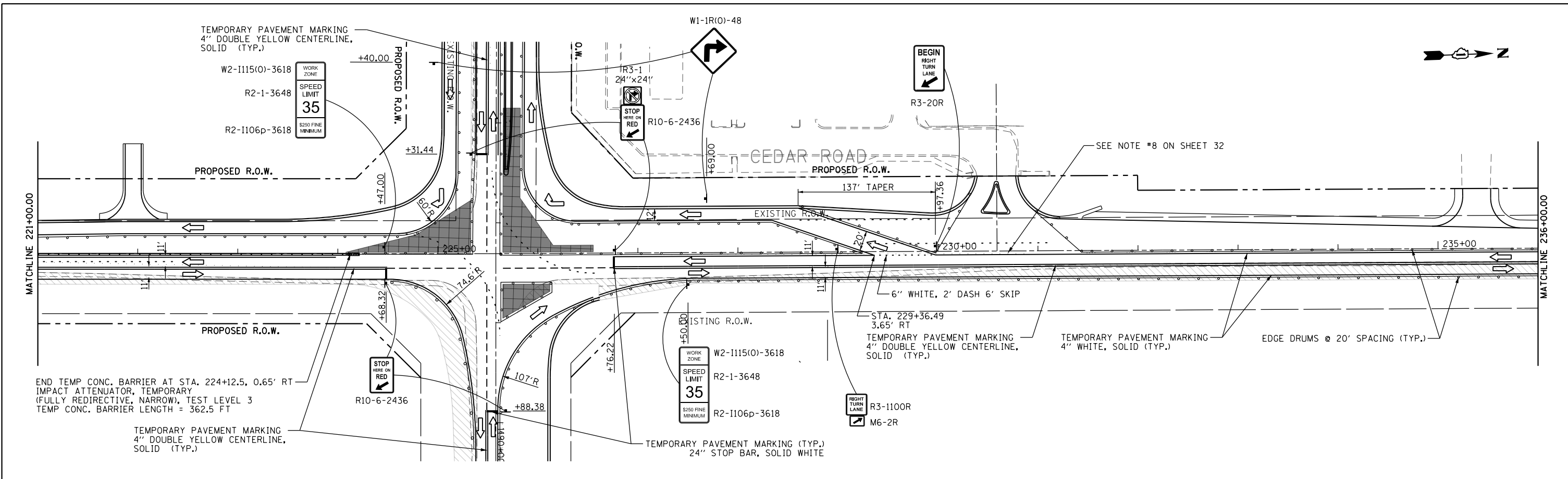


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\$MODELNAME\$	PLOT DATE = 4/26/2021	DATE 3/31/21	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

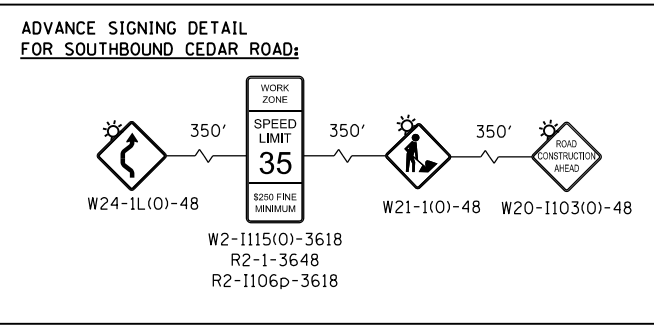
MAINTENANCE OF TRAFFIC - STAGE IA	
LARAWAY ROAD AND CEDAR ROAD	
SCALE:	SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	39
CONTRACT NO. 61889			ILLINOIS FED. AID PROJECT	



LEGEND

- TEMPORARY CONCRETE BARRIER STA. 239+75.50, 21.0' RT
- TEMPORARY BARRICADE
- TEMPORARY SIGN
- TRAFFIC DIRECTION
- WORK ZONE
- TEMPORARY PAVEMENT
- NEW PAVEMENT CONSTRUCTED THIS PHASE



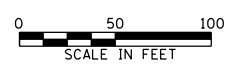
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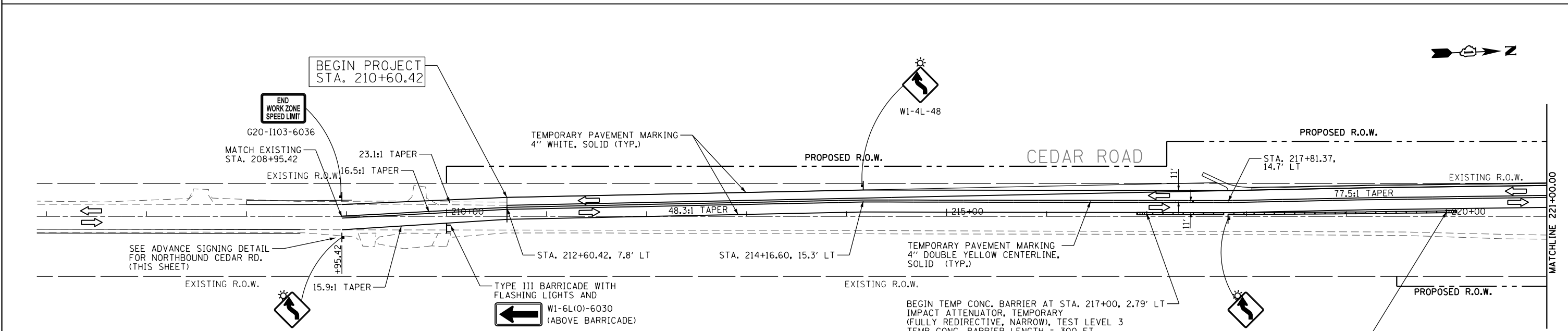
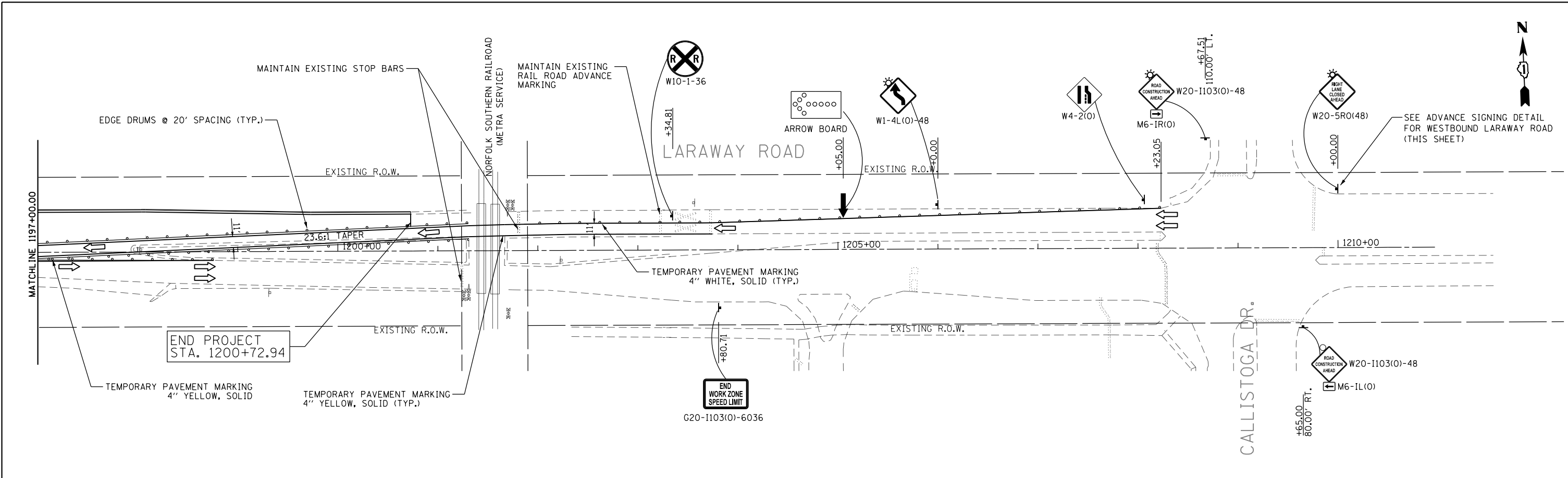
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC – STAGE IA
CEDAR ROAD**

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

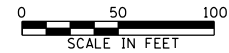
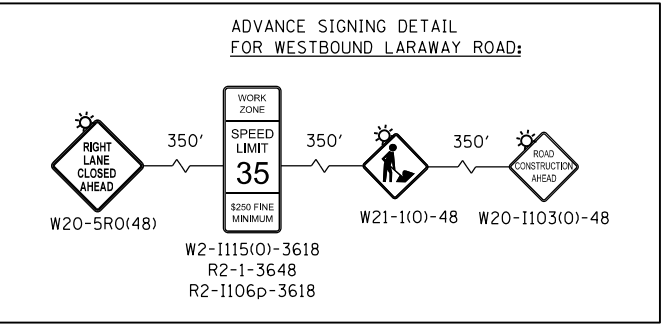
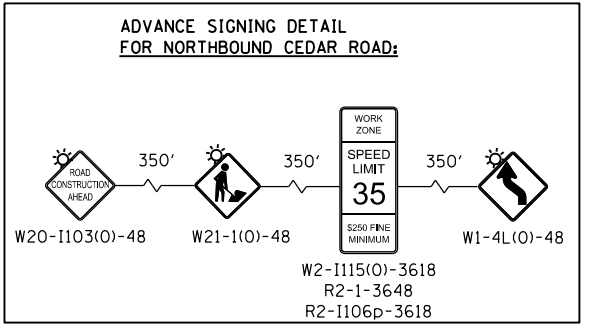
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	40
CONTRACT NO. 61889				
ILLINOIS FED. AID PROJECT				





LEGEND

- TEMPORARY BARRICADE
- TEMPORARY SIGN
- ARROW BOARD
- TRAFFIC DIRECTION
- WORK ZONE
- TEMPORARY PAVEMENT
- NEW PAVEMENT CONSTRUCTED THIS PHASE



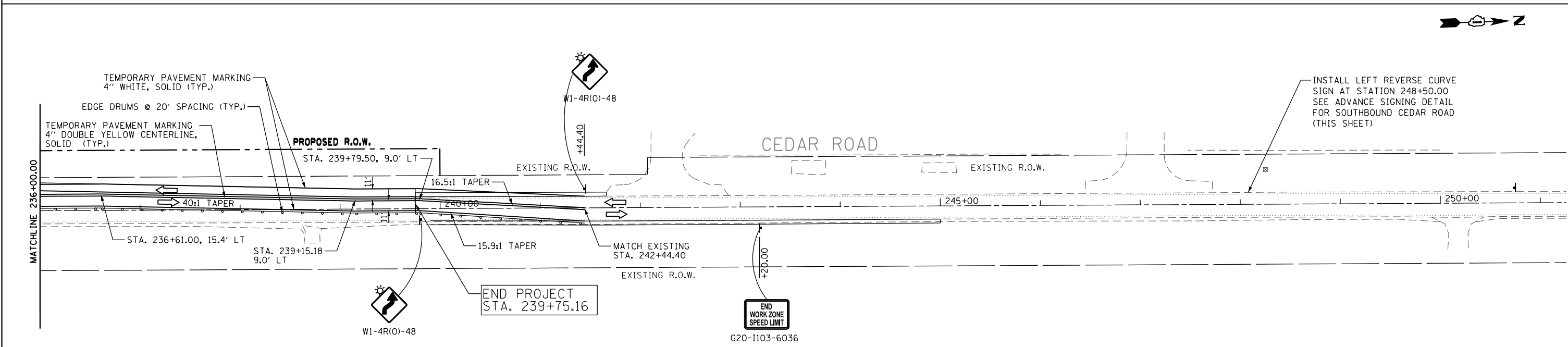
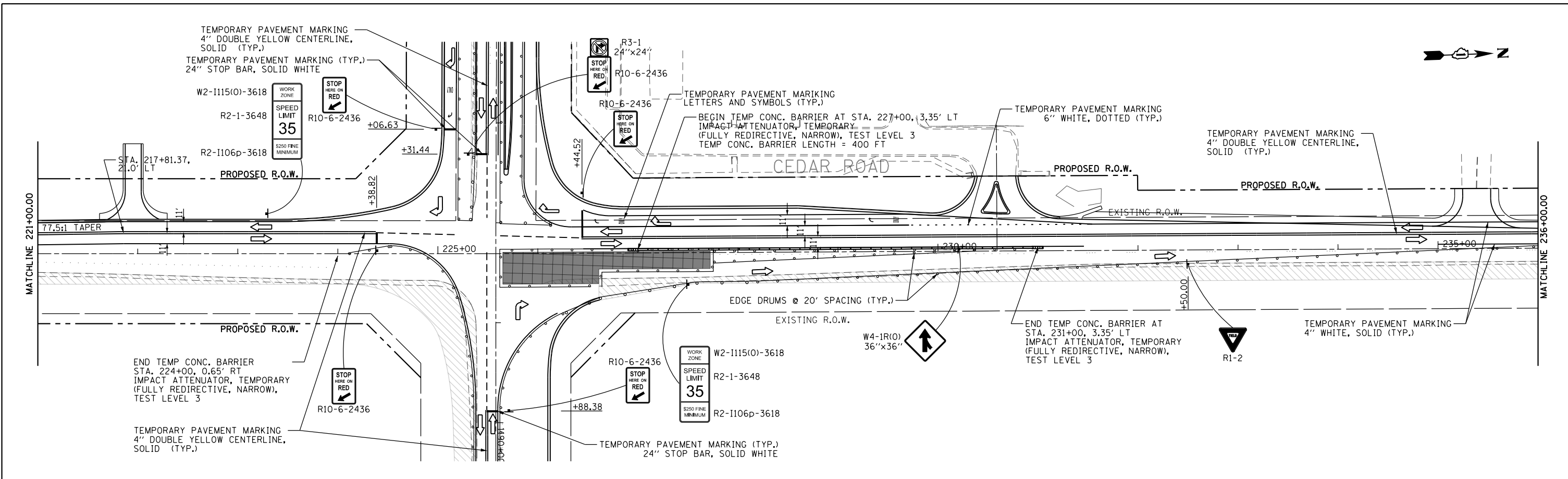
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\$MODELNAME\$	PLOT DATE = 4/26/2021	DATE	3/31/21	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC – STAGE IB
LARAWAY ROAD AND CEDAR ROAD**

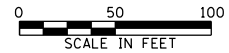
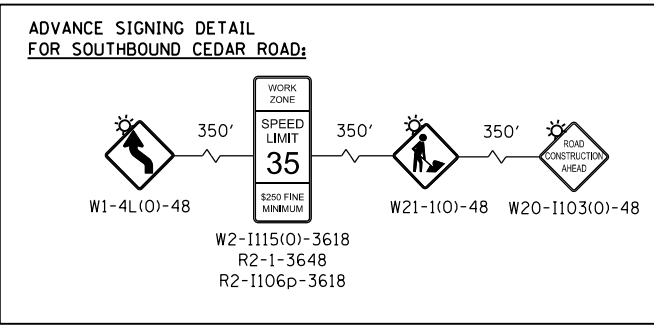
SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	42
CONTRACT NO. 61889				
ILLINOIS FED. AID PROJECT				



LEGEND

- TEMPORARY BARRICADE
- TEMPORARY SIGN
- TRAFFIC DIRECTION
- WORK ZONE
- TEMPORARY PAVEMENT
- NEW PAVEMENT CONSTRUCTED THIS PHASE



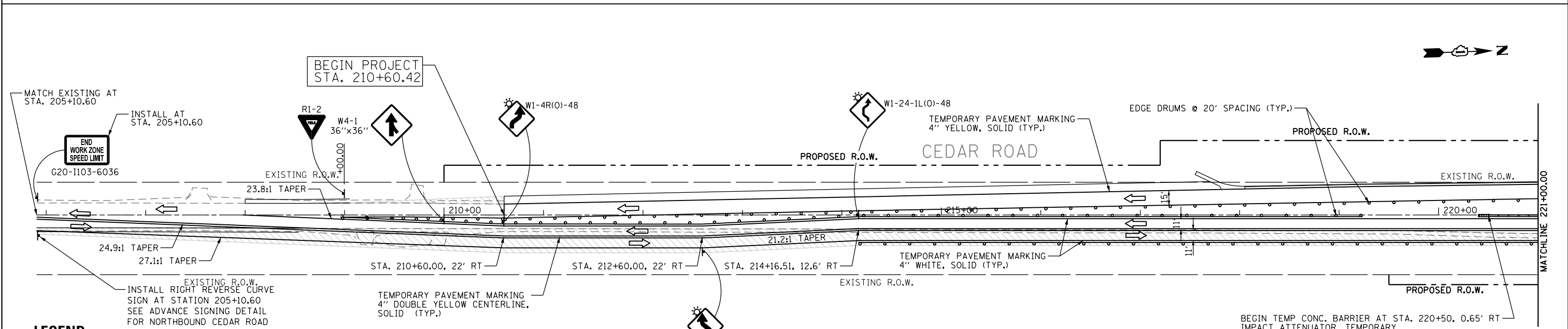
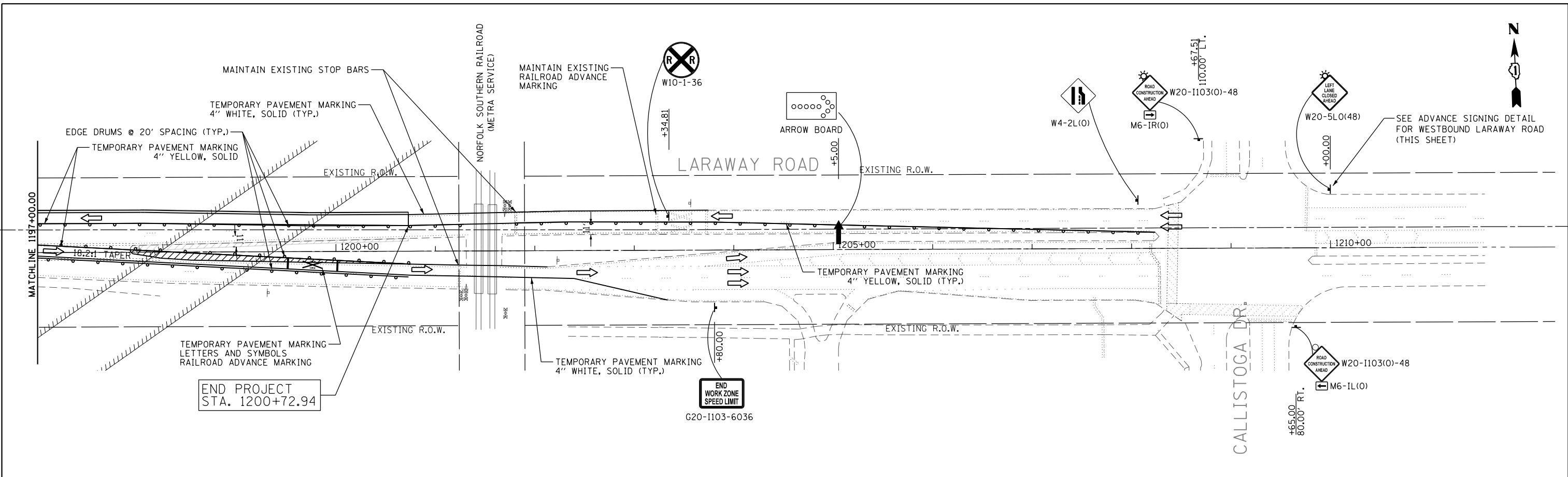
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	PLOT DATE = 4/26/2021	DATE	3/31/21	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC – STAGE IB
CEDAR ROAD**

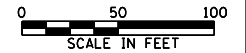
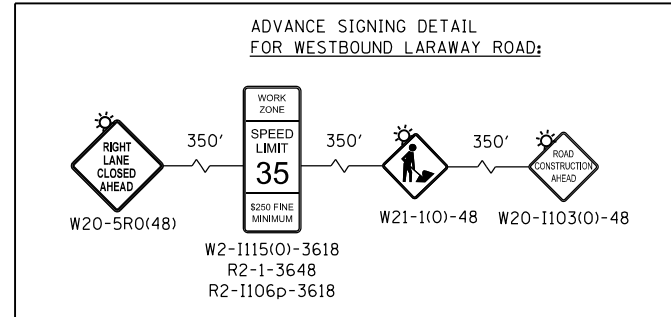
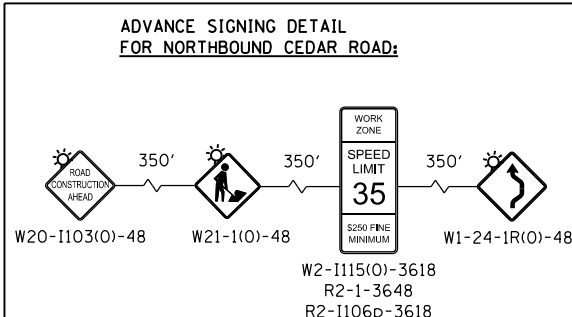
SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	43
CONTRACT NO. 61889				
ILLINOIS FED. AID PROJECT				



LEGEND

- TEMPORARY CONCRETE BARRIER
- TEMPORARY BARRICADE
- TEMPORARY SIGN
- ARROW BOARD
- TRAFFIC DIRECTION
- WORK ZONE
- TEMPORARY PAVEMENT
- NEW PAVEMENT CONSTRUCTED THIS PHASE

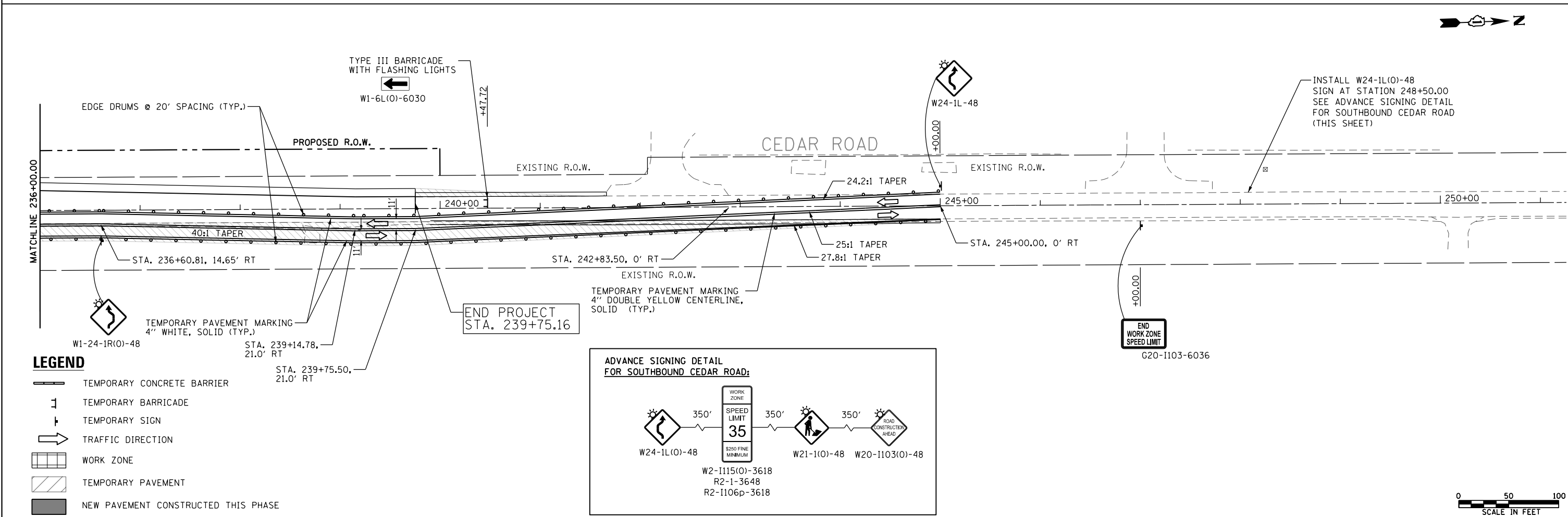
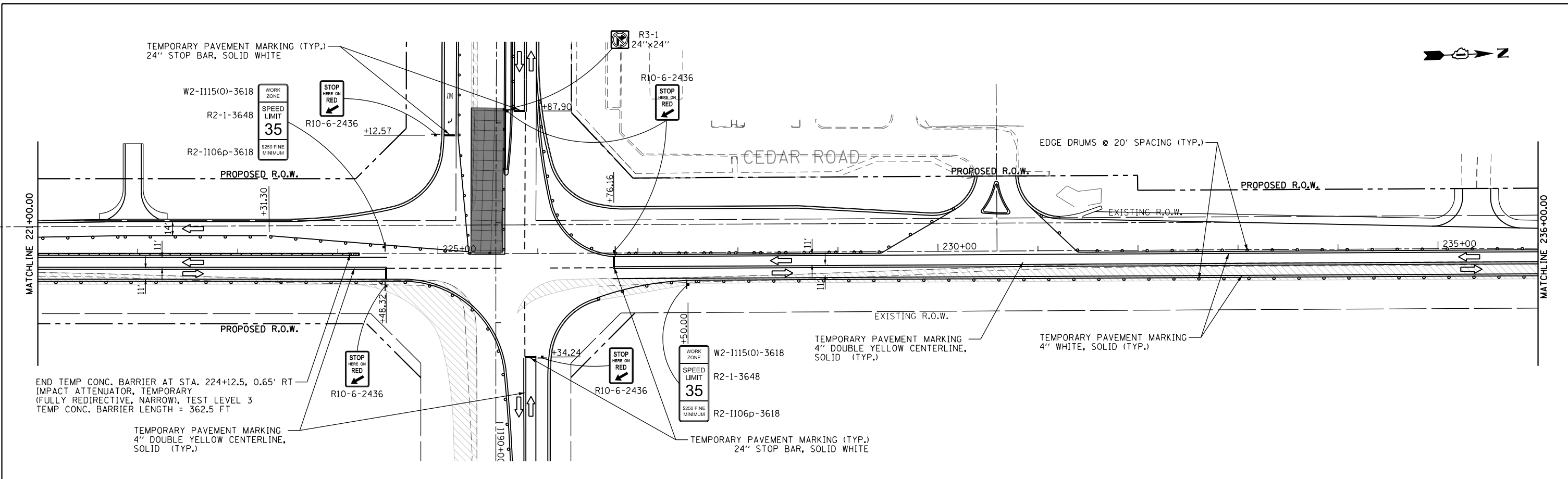


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\$MODELNAME\$	PLOT DATE = 4/26/2021	DATE 3/31/21	REVISED -

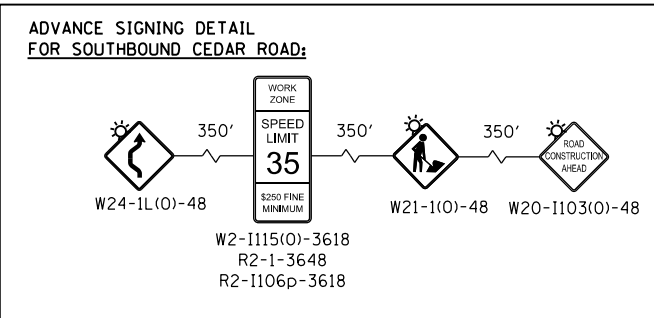
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC - STAGE IC			
LARAWAY ROAD AND CEDAR ROAD			
SCALE:	SHEET 2	OF 3 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	45
CONTRACT NO. 61889				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- TEMPORARY CONCRETE BARRIER
 - TEMPORARY BARRICADE
 - TEMPORARY SIGN
 - TRAFFIC DIRECTION
 - WORK ZONE
 - TEMPORARY PAVEMENT
 - NEW PAVEMENT CONSTRUCTED THIS PHASE



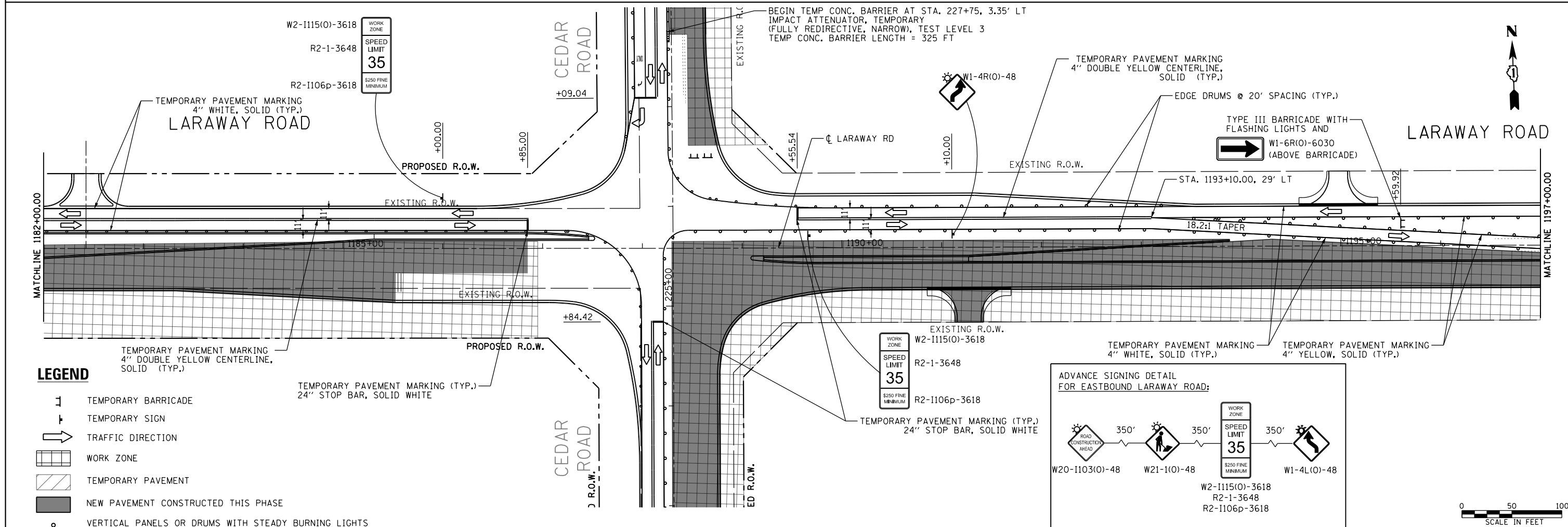
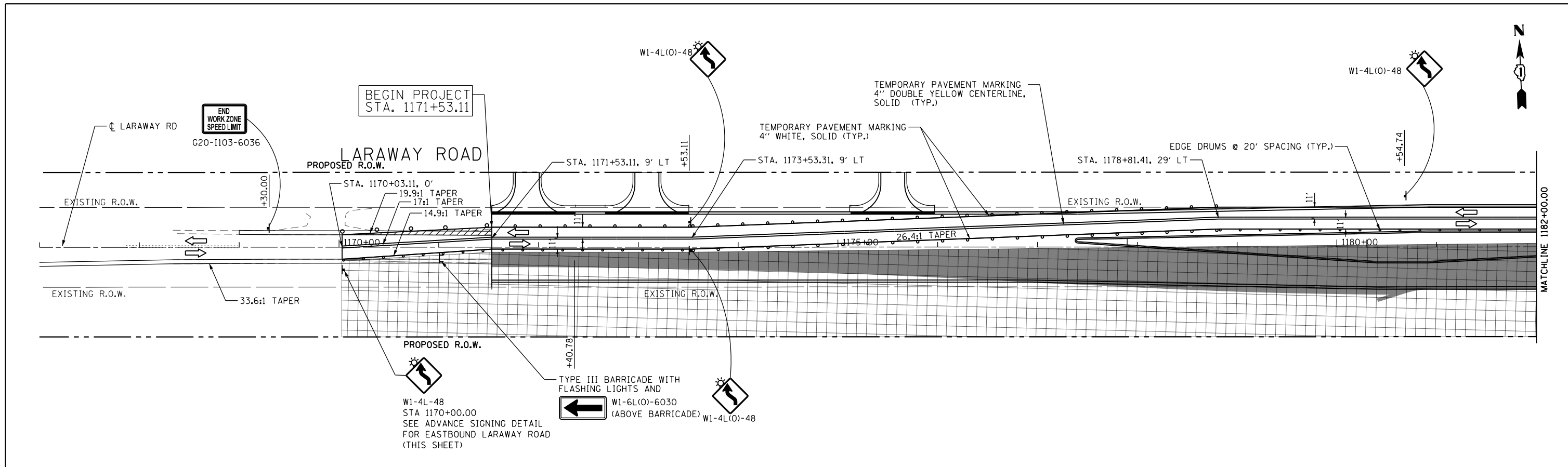
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MODELNAME	PLOT DATE = 4/26/2021	DATE 3/31/21	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC – STAGE IC
CEDAR ROAD**

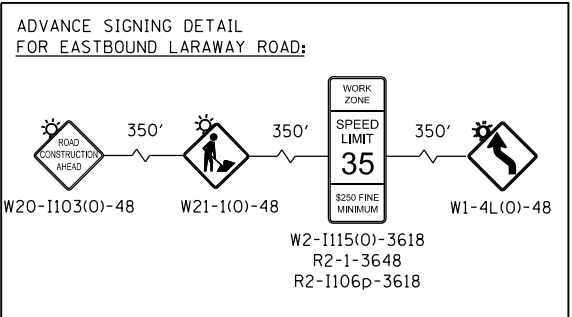
SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	46
CONTRACT NO. 61889				
ILLINOIS FED. AID PROJECT				



LEGEND

- TEMPORARY BARRICADE
- TEMPORARY SIGN
- TRAFFIC DIRECTION
- WORK ZONE
- TEMPORARY PAVEMENT
- NEW PAVEMENT CONSTRUCTED THIS PHASE
- VERTICAL PANELS OR DRUMS WITH STEADY BURNING LIGHTS



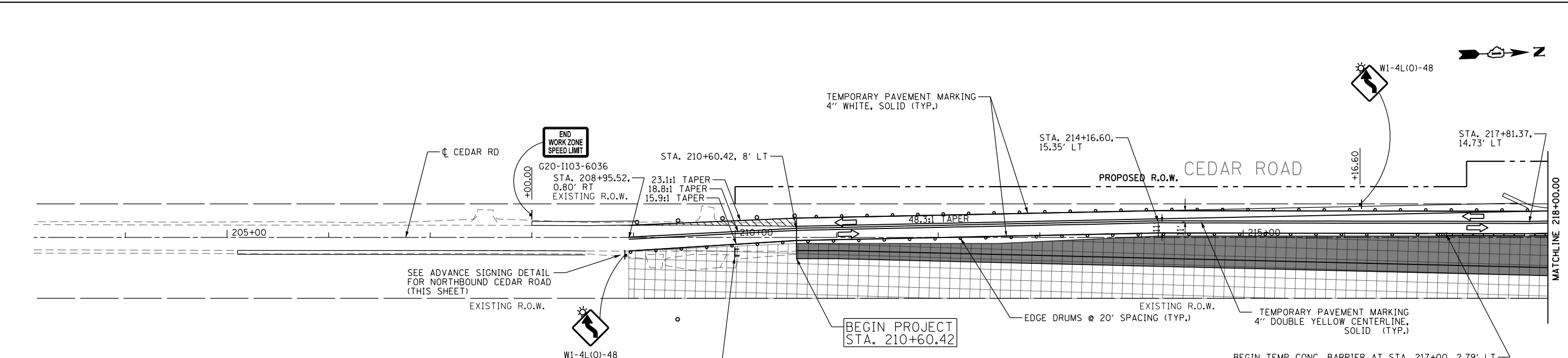
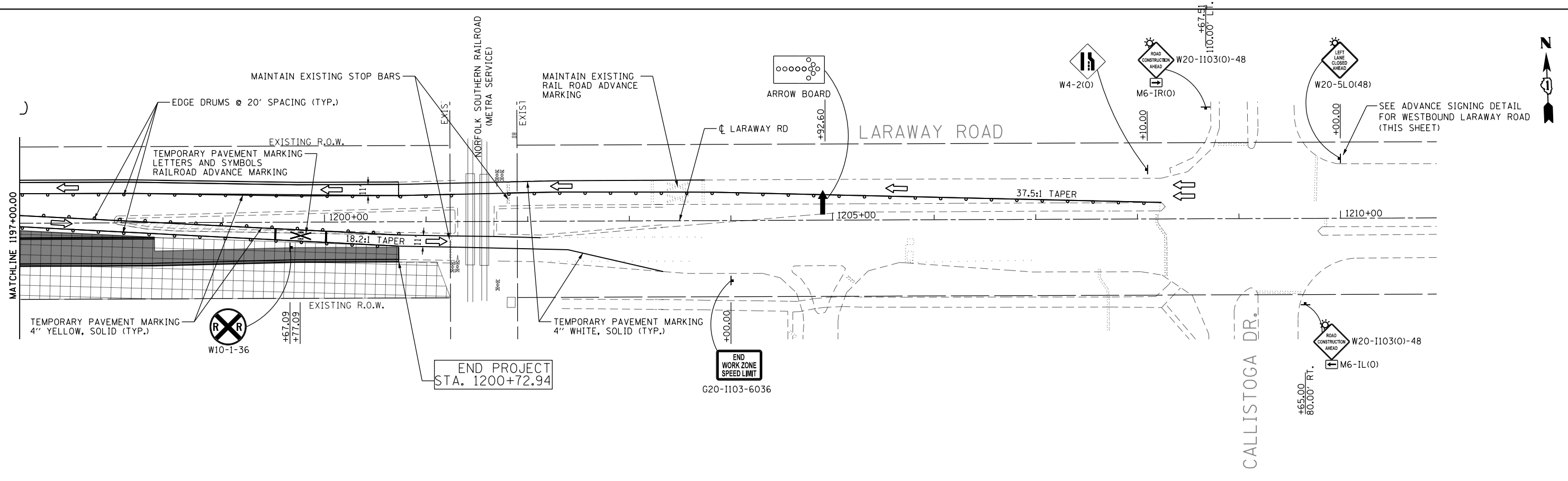
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		CHECKED	RCH	REVISED	-
		DATE	3/31/21	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC – STAGE II
LARAWAY ROAD**

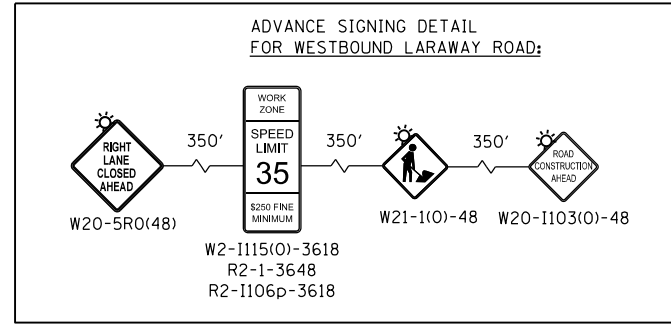
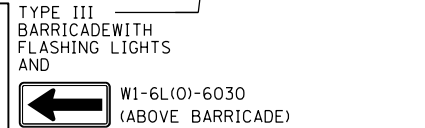
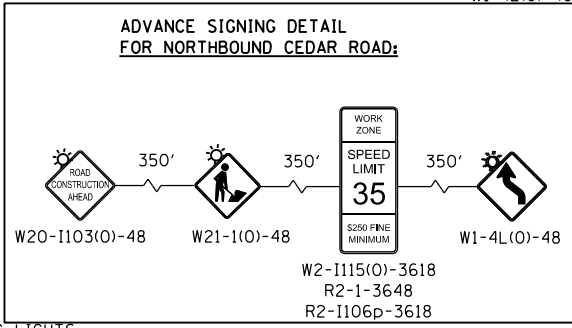
SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	47
CONTRACT NO. 61889			ILLINOIS FED. AID PROJECT	

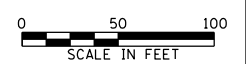


LEGEND

- TEMPORARY SIGN
- ARROW BOARD
- TRAFFIC DIRECTION
- WORK ZONE
- TEMPORARY PAVEMENT
- NEW PAVEMENT CONSTRUCTED THIS PHASE
- VERTICAL PANELS OR DRUMS WITH STEADY BURNING LIGHTS



BEGIN TEMP CONC. BARRIER AT STA. 217+00, 2.79' LT
IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
TEMP CONC. BARRIER LENGTH = 300 FT

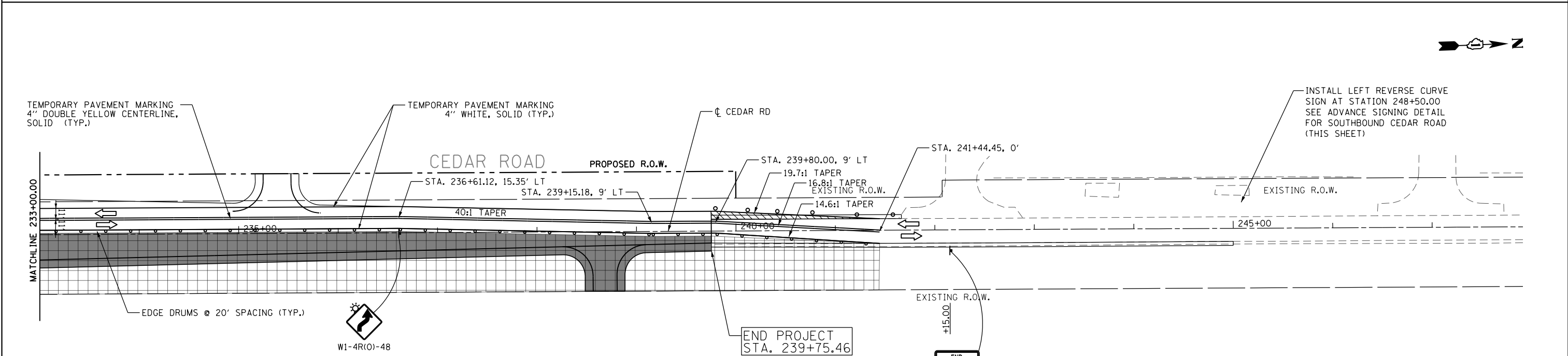
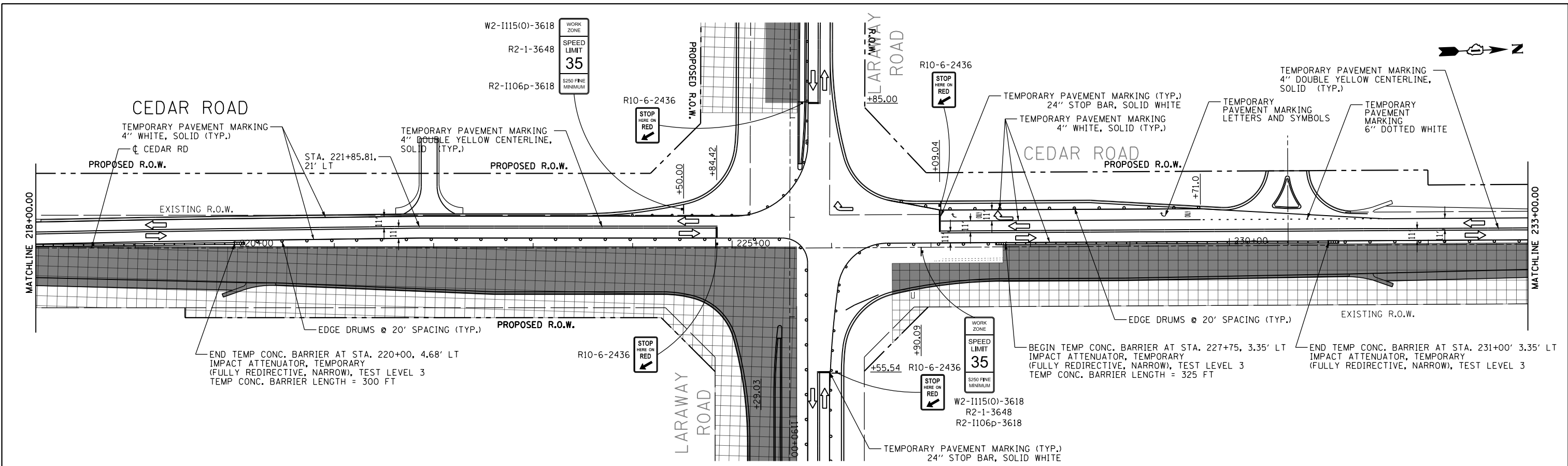


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\$MODELNAME\$	PLOT SCALE = 100.0000' / 1"	CHECKED	RCH	REVISED	-
	PLOT DATE = 4/26/2021	DATE	3/31/21	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

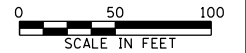
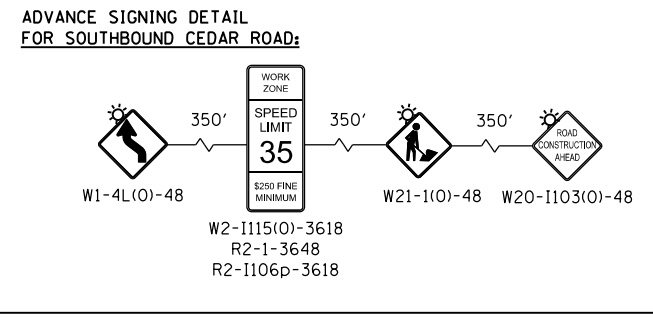
MAINTENANCE OF TRAFFIC - STAGE II LARAWAY ROAD AND CEDAR ROAD	
SCALE:	SHEET 2 OF 3 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	48
CONTRACT NO. 61889			ILLINOIS FED. AID PROJECT	



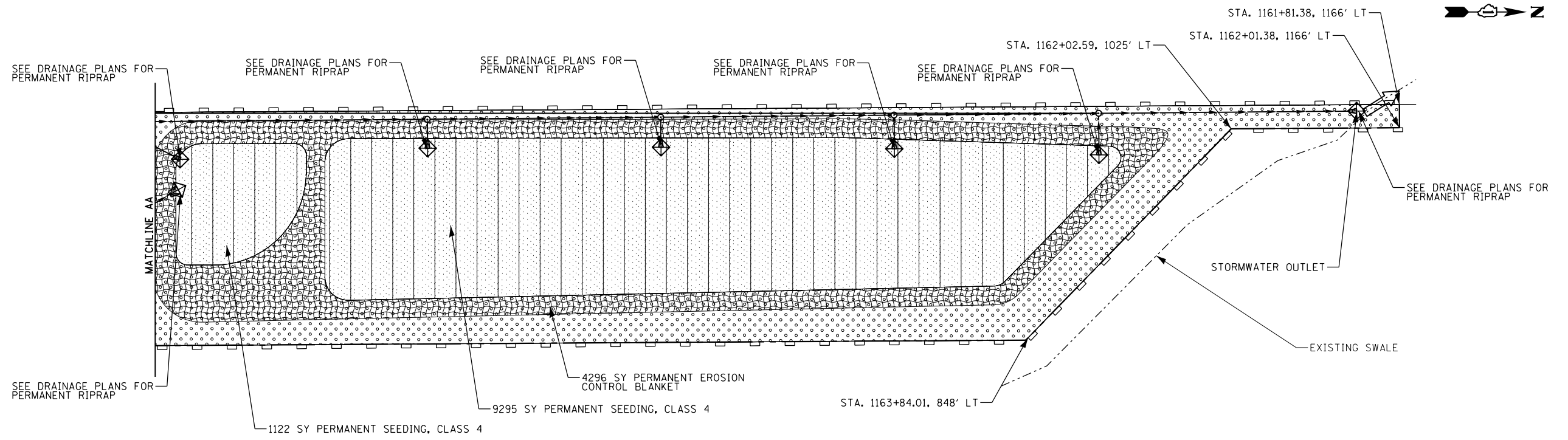
LEGEND

- TEMPORARY SIGN
- TRAFFIC DIRECTION
- WORK ZONE
- TEMPORARY PAVEMENT
- NEW PAVEMENT CONSTRUCTED THIS PHASE
- VERTICAL PANELS OR DRUMS WITH STEADY BURNING LIGHTS



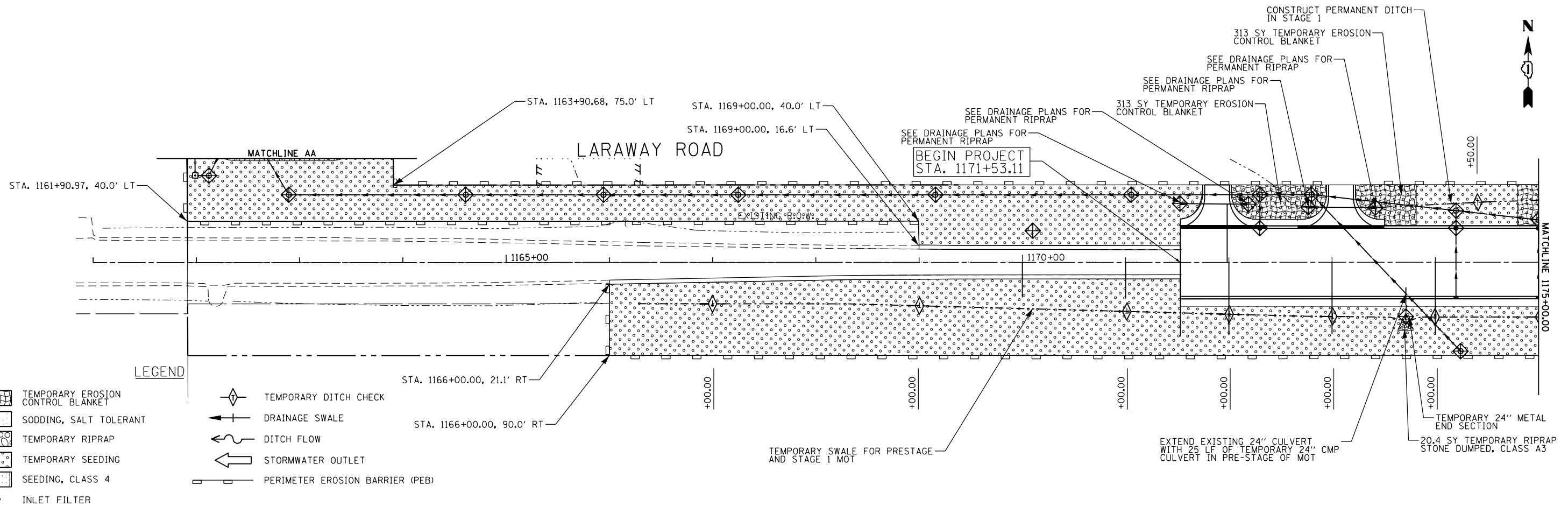
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PLOT SCALE = 100.0000' / 1"	CHECKED RCH	REVISED -	SCALE:			SHEET 3 OF 3 SHEETS	STA. TO STA.	CONTRACT NO. 61889				
PLOT DATE = 4/26/2021	DATE 3/31/21	REVISED -	ILLINOIS FED. AID PROJECT									

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	



NOTE:
SEE LANDSCAPE AND GRADING PLAN FOR CONTOUR AND FINAL DITCHING INFORMATION.

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



- LEGEND**
- TEMPORARY EROSION CONTROL BLANKET
 - SODDING, SALT TOLERANT
 - TEMPORARY RIPRAP
 - TEMPORARY SEEDING
 - SEEDING, CLASS 4
 - INLET FILTER
 - TEMPORARY DITCH CHECK
 - DRAINAGE SWALE
 - DITCH FLOW
 - STORMWATER OUTLET
 - PERIMETER EROSION BARRIER (PEB)

FILE NAME =	USER NAME = mohammed.01	DESIGNED	JDW	REVISED	-
P:\projects\13003\000\CADD_Sheets\4014684-sh1-ErosionConPlans.dgn		DRAWN	JDW	REVISED	-
#MODELNAME#		CHECKED	RCH	REVISED	-
		DATE	3/31/21	REVISED	-
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		PLOT DATE =	4/13/2021		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

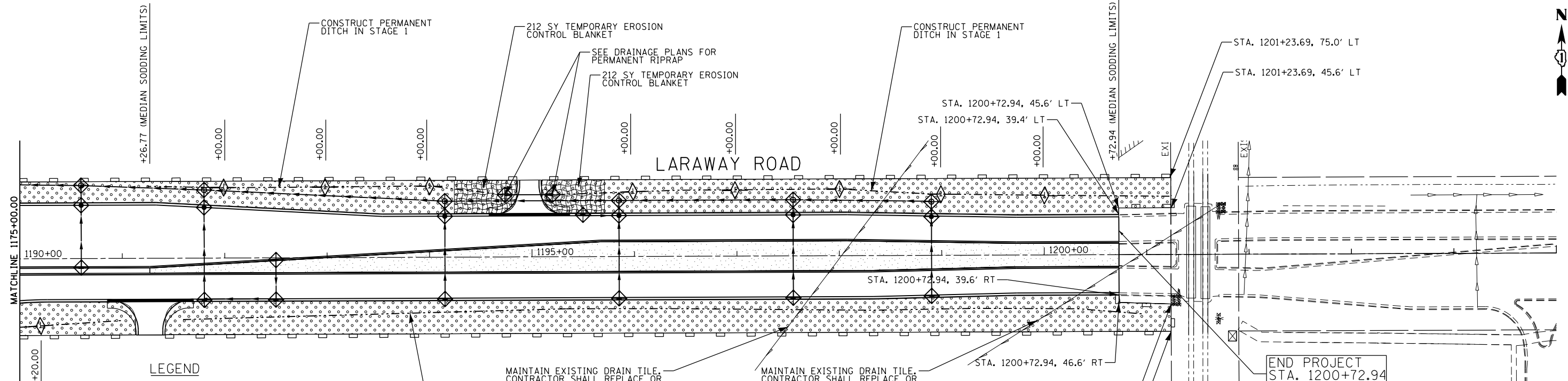
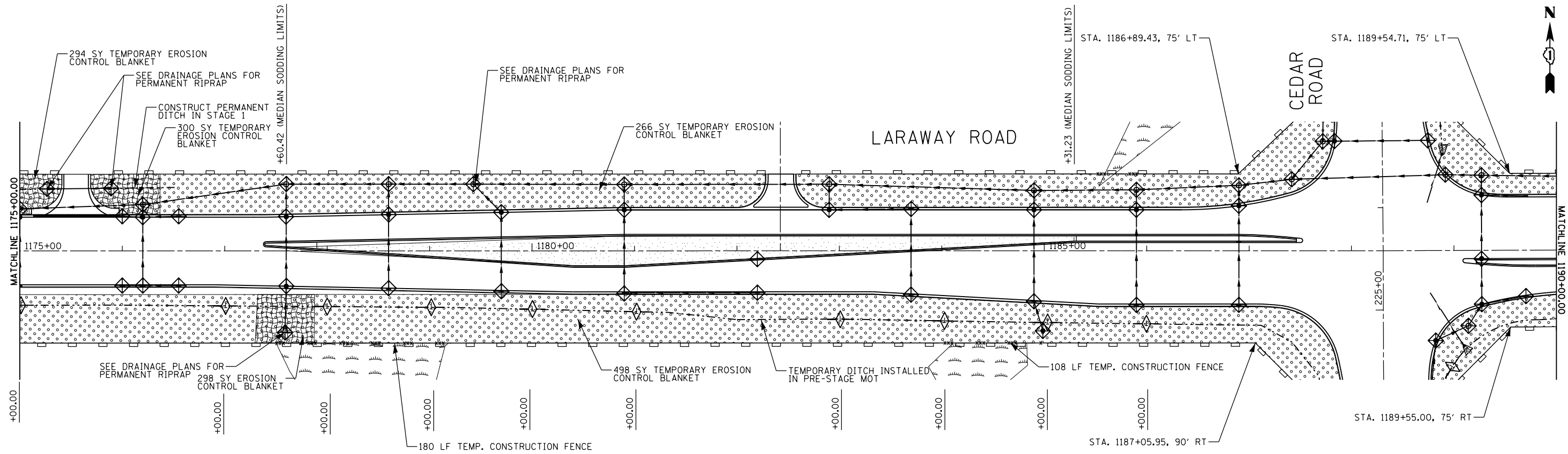
**EROSION AND SEDIMENT CONTROL PLANS
CEDAR ROAD AND LARAWAY ROAD**

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	51
				CONTRACT NO. 61B89
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	
	NO.	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHKD	
	NO.	
	NO.	



LEGEND

	TEMPORARY EROSION CONTROL BLANKET		TEMPORARY DITCH CHECK
	SODDING, SALT TOLERANT		DRAINAGE SWALE
	TEMPORARY RIPRAP		DITCH FLOW
	TEMPORARY SEEDING		STORMWATER OUTLET
	SEEDING, CLASS 4		PERIMETER EROSION BARRIER (PEB)
	INLET FILTER		

MAINTAIN EXISTING DRAIN TILE. CONTRACTOR SHALL REPLACE OR DRAIN TO PERMANENT DRAINAGE DITCH IF DAMAGED.

TEMPORARY DITCH INSTALLED IN PRE-STAGE MOT

FILE NAME =	USER NAME = mohammed.01	DESIGNED	JDW	REVISED	-
P:\projects\13003\000\CADD_Sheets\4014634-sh1-ErosionConPlans.dgn		DRAWN	JDW	REVISED	-
		CHECKED	RCH	REVISED	-
MODELNAME =	PLOT DATE = 4/13/2021	DATE	3/31/21	REVISED	-

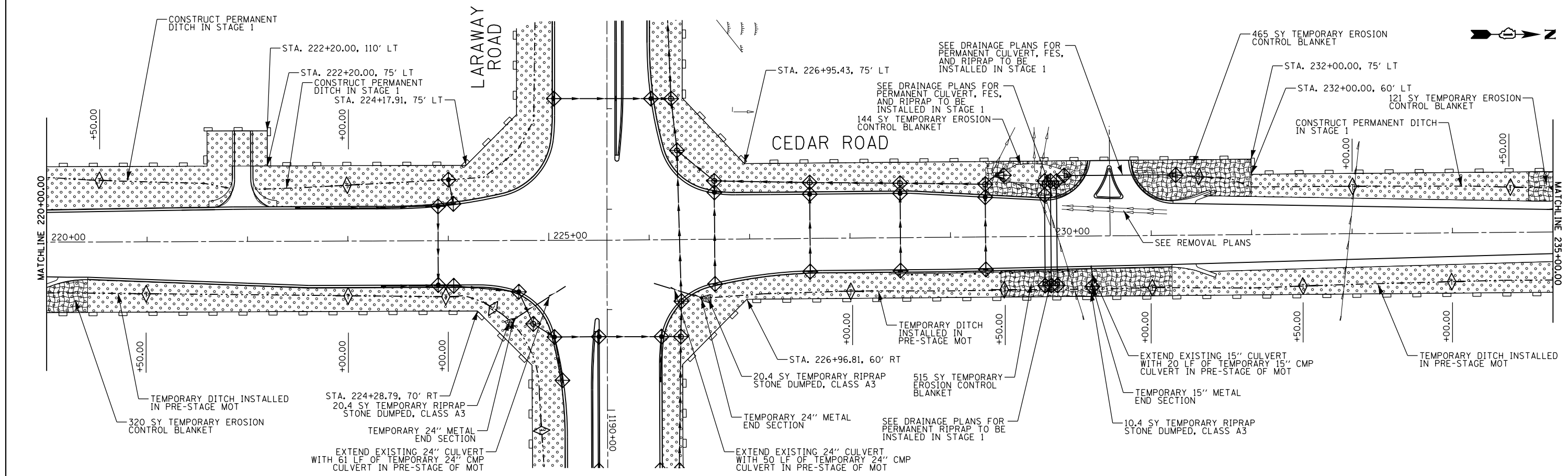
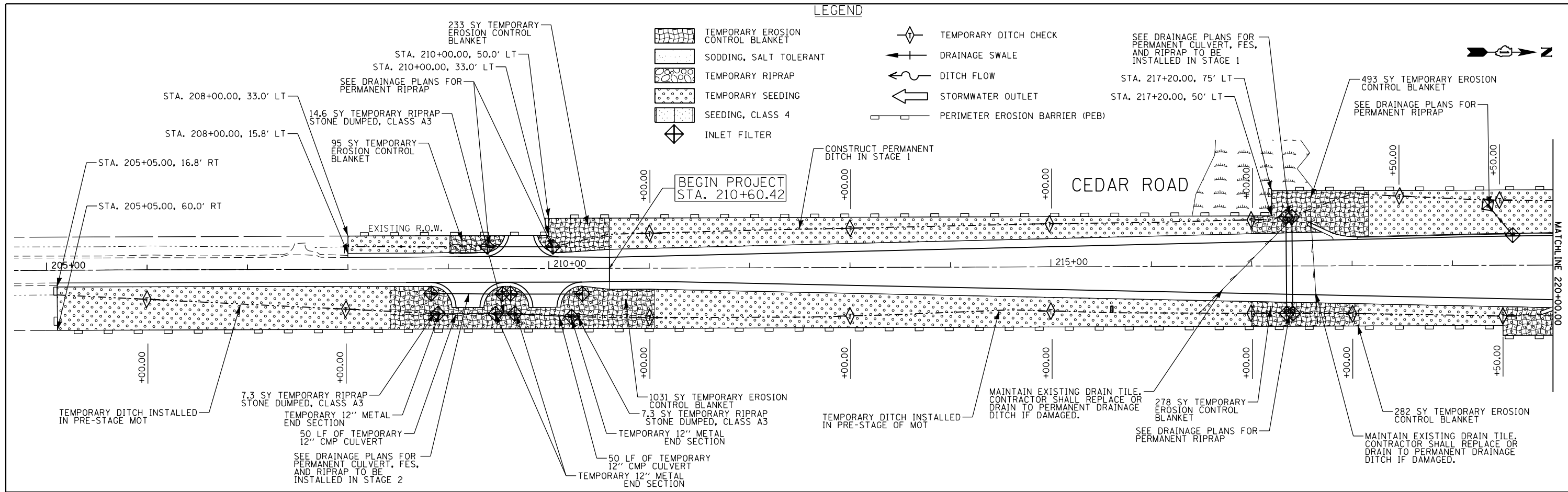
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL PLANS	
CEDAR ROAD AND LARAWAY ROAD	
SCALE:	SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	52
CONTRACT NO. 61889				
ILLINOIS FED. AID PROJECT				

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

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



FILE NAME =	USER NAME = mohammed.a1	DESIGNED	JDW	REVISED	-
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		DATE	3/31/21	REVISED	-

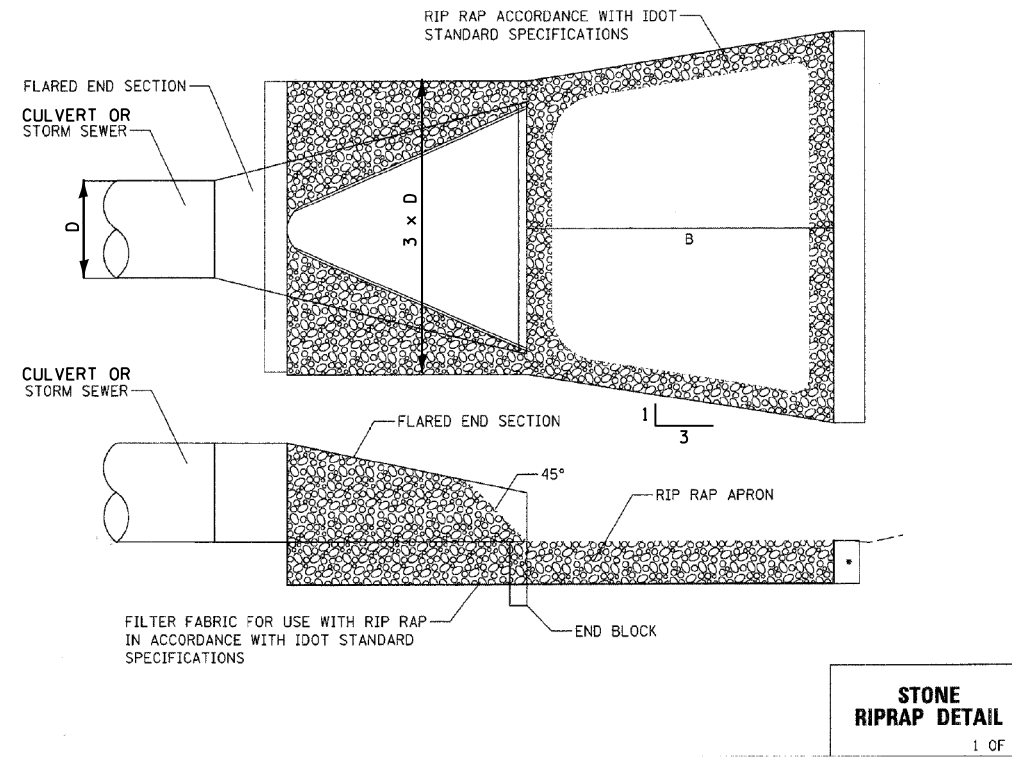
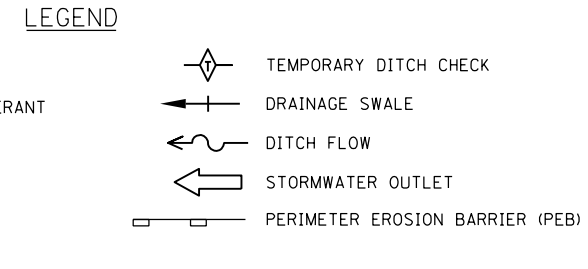
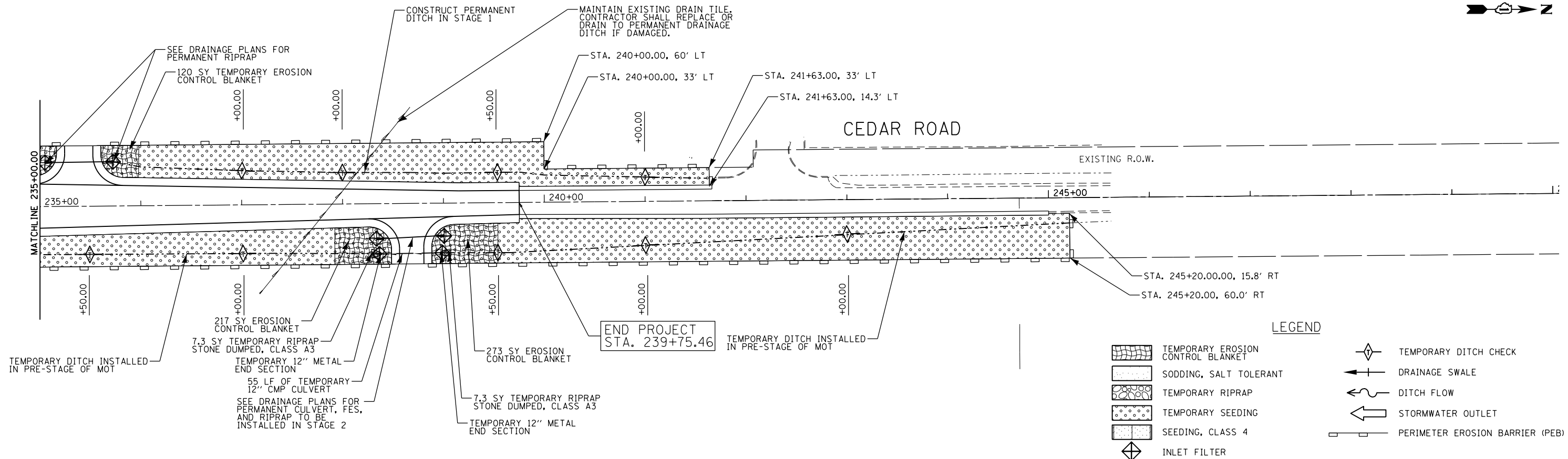
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL PLANS			
CEDAR ROAD AND LARAWAY ROAD			
SCALE:	SHEET 3	OF 4 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	53
				CONTRACT NO. 61889
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	
	BY	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
	NO.	
	BY	



RIP RAP

PIPE DIAMETER (IN.) D	STONE RIP RAP							BEDDING	
	QUALITY DESIGNATION	GRADATION NUMBER	MINIMUM THICKNESS (IN.) A	MINIMUM LENGTH (FT.) B	WEIGHT RANGE (#)	WEIGHT AVERAGE (#)	SIZE AVERAGE (IN.)	GRADATION NUMBER	MINIMUM THICKNESS (IN.) C
12	A	3	12"	12'	1-50	10	4.5"	N/A	N/A
15	A	3	14"	14'	1-50	10	4.5"	N/A	N/A
18	A	4	16"	16'	1-150	40	7"	1 OR CA-3	6"
21	A	4	18"	18'	1-150	40	7"	1 OR CA-3	6"
24	A	4	20"	20'	1-150	40	7"	1 OR CA-3	6"
30	A	4	22"	22'	1-150	40	7"	1 OR CA-3	6"
36	A	5	24"	24'	3-400	90	10"	1 OR CA-3	8"
42	A	5	26"	26'	3-400	90	10"	1 OR CA-3	8"
48	A	6	28"	28'	6-600	170	12"	2 OR CA-1	10"
54	A	6	32"	32'	6-600	170	12"	2 OR CA-1	10"
60	A	6	36"	36'	6-600	170	12"	2 OR CA-1	10"
72	A	6	44"	44'	6-600	170	12"	2 OR CA-1	10"

NOTE:

- FOR PIPE SIZE 72" AND LARGER A SPECIAL DESIGN OF RIP RAP OR APRON IS REQUIRED.
- GRADATION REFER TO IDOT SPECIFICATIONS AND STANDARDS.

STONE RIPRAP DETAIL
2 OF 2

FILE NAME =	USER NAME = mohammed.a1	DESIGNED JDW	REVISED -
P:\projects\13003\000\CADD_Sheets\4014634-sh1-ErosionConPlans.dgn		DRAWN JDW	REVISED -
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		DATE 3/31/21	REVISED -
PLOT SCALE = 100.0000' / 1"			
PLOT DATE = 4/13/2021			

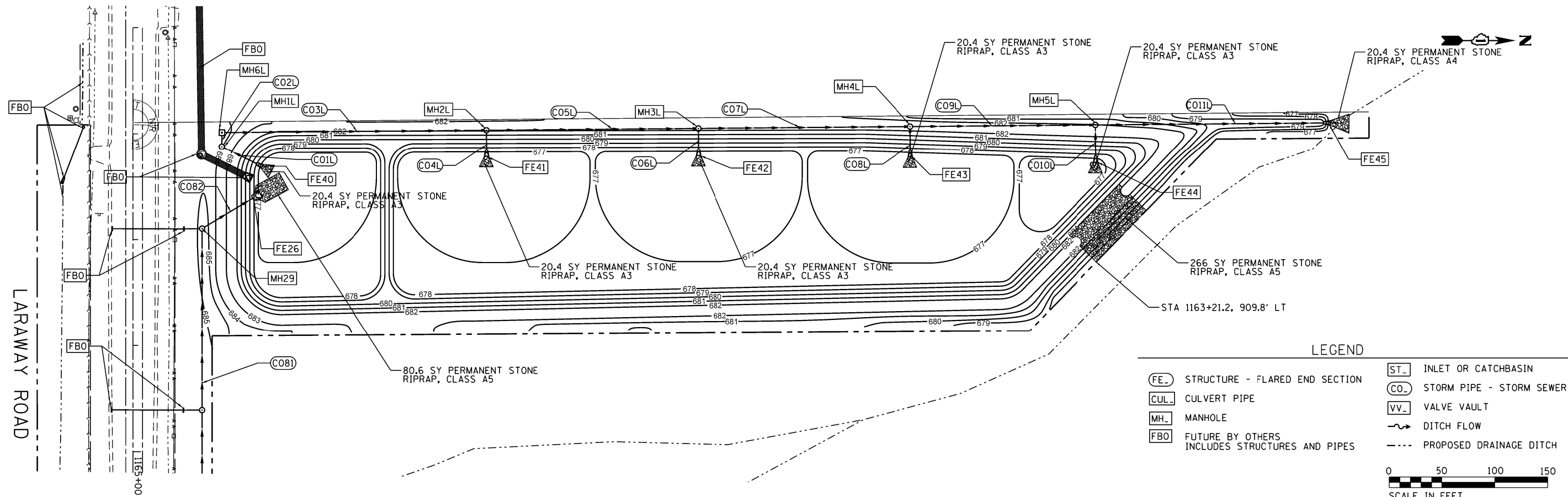
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLANS			
CEDAR ROAD AND LARAWAY ROAD			
SCALE:	SHEET 4	OF 4 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	54
CONTRACT NO. 61B89				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	NOTE BOOK	
	NO. _____	
	CHECKED	
	BY _____	
	DATE _____	

LARAWAY ROAD

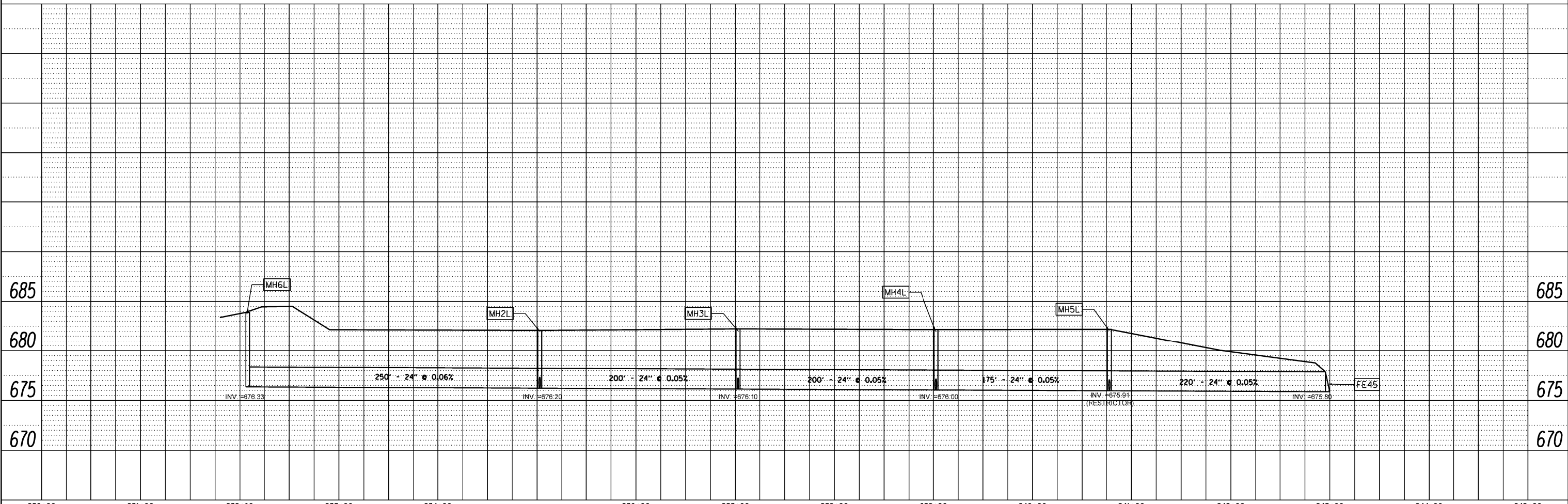


LEGEND

(FE)	STRUCTURE - FLARED END SECTION	(ST)	INLET OR CATCHBASIN
(CUL)	CULVERT PIPE	(CO)	STORM PIPE - STORM SEWER
(MH)	MANHOLE	(VV)	VALVE VAULT
(FBO)	FUTURE BY OTHERS INCLUDES STRUCTURES AND PIPES	->	DITCH FLOW
		- - -	PROPOSED DRAINAGE DITCH

0 50 100 150
SCALE IN FEET

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



FILE NAME =	USER NAME = BS	DESIGNED JDW	REVISED -	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 4/14/2021	DATE 3/31/21	REVISED -	ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLANS
CEDAR ROAD AND LARAWAY ROAD

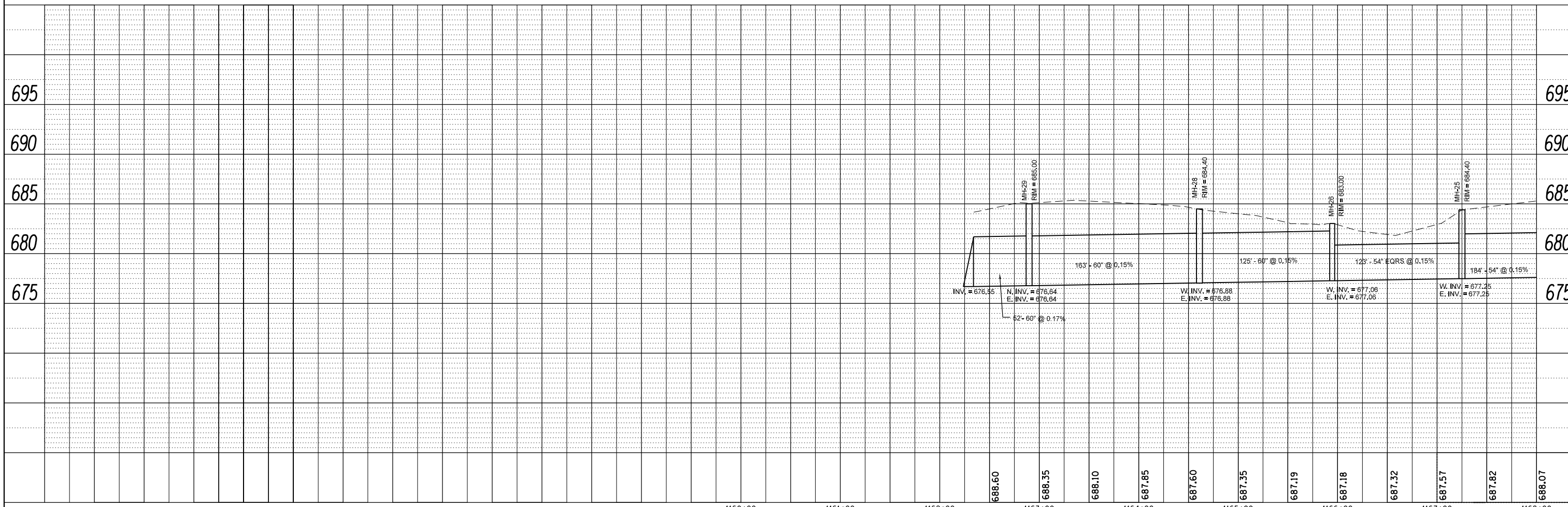
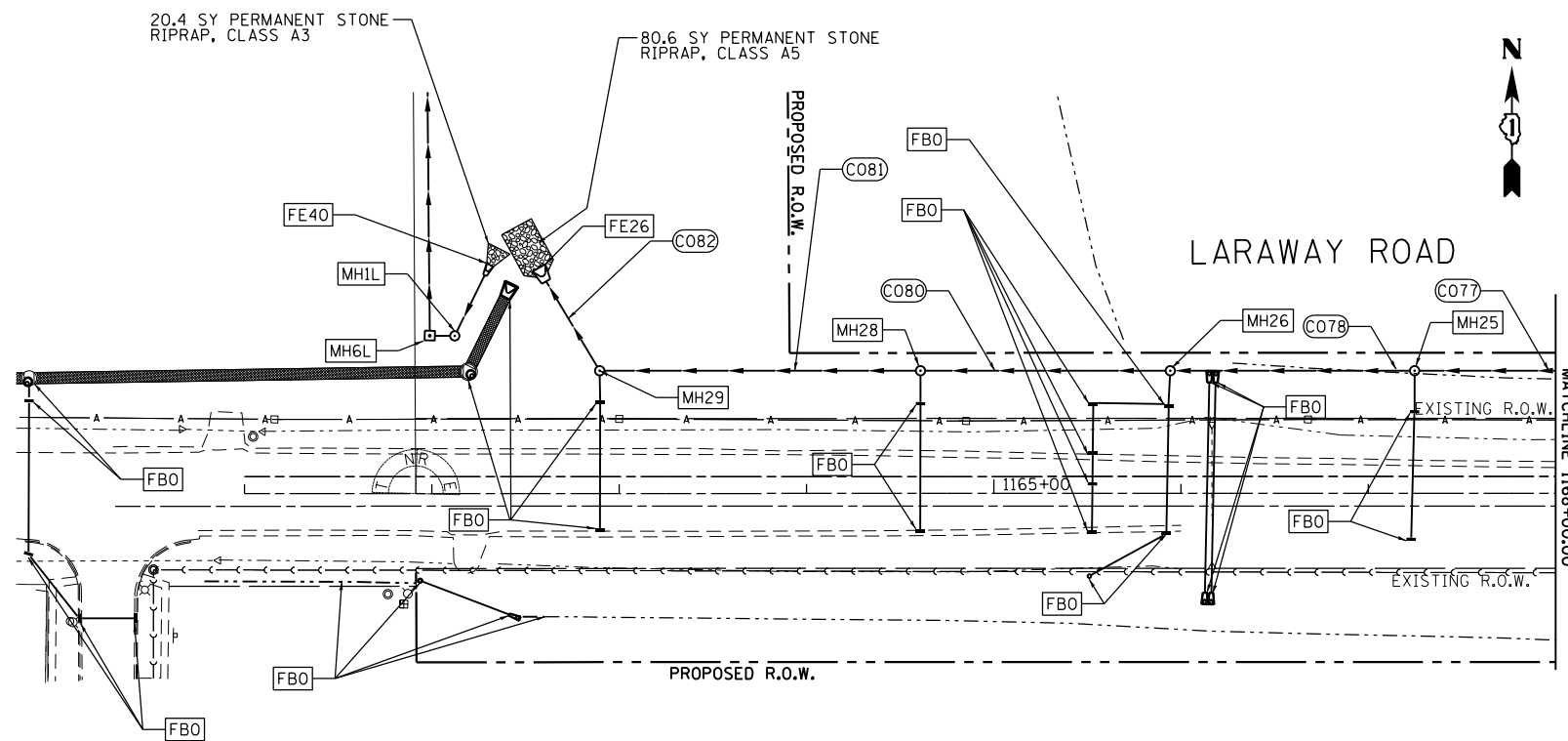
SCALE: SHEET 1 OF 8 SHEETS STA. TO STA.

PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTE BOOK	
	NO.	
	CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	NOTE BOOK	
	NO.	
	CHECKED	
	FILE NAME	

LEGEND

- FE STRUCTURE - FLARED END SECTION
- CUL CULVERT PIPE
- MH MANHOLE
- FBO FUTURE BY OTHERS
INCLUDES STRUCTURES AND PIPES
- ST INLET OR CATCHBASIN
- CO STORM PIPE - STORM SEWER
- VV VALVE VAULT
- DITCH FLOW
- PROPOSED DRAINAGE DITCH



FILE NAME =	USER NAME = mohammed.01	DESIGNED JDW	REVISED -
P:\projects\13003\000\CADD_Sheets\4014634-sht-Drain.dgn		DRAWN JDW	REVISED -
	PLOT SCALE = 100.0000' / 1"	CHECKED RCH	REVISED -
	PLOT DATE = 4/12/2021	DATE 3/31/21	REVISED -

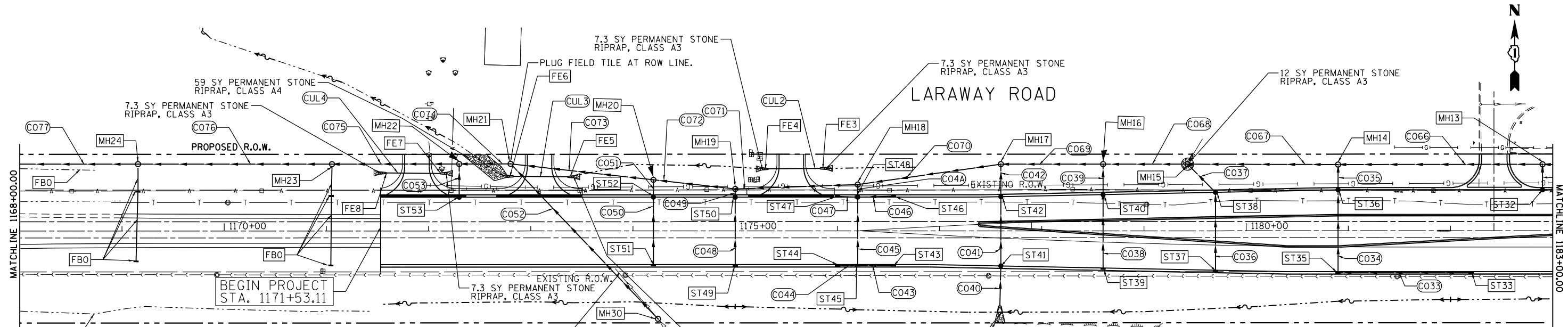
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLANS	
CEDAR ROAD AND LARAWAY ROAD	
SCALE:	SHEET 2 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	56
			CONTRACT NO. 61B89	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
ALIGNED	
CHECKED	
FILE NAME	
NO.	

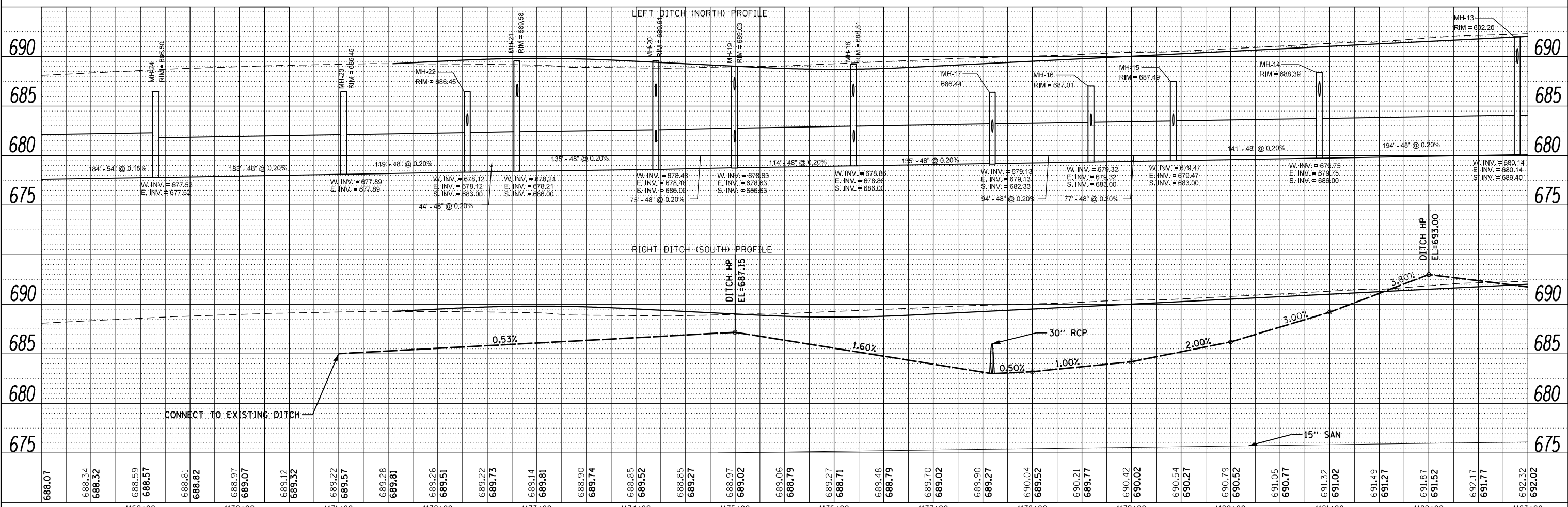
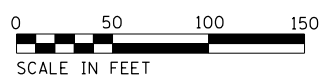
DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE	
NOT AT THIS OFFICE	
NO.	



- LEGEND**
- (FE) STRUCTURE - FLARED END SECTION
 - (CUL) CULVERT PIPE
 - (MH) MANHOLE
 - (FBO) FUTURE BY OTHERS INCLUDES STRUCTURES AND PIPES
 - (ST) INLET OR CATCHBASIN
 - (CO) STORM PIPE - STORM SEWER
 - (VV) VALVE VAULT
 - - - DITCH FLOW
 - - - PROPOSED DRAINAGE DITCH

DISCONNECT DRAIN TILE AT THE SOUTH SIDE OF THE DITCH AND REMOVE DRAIN TILE TO THE NORTH. CONNECT THE SOUTH END TO STRUCTURE 30.

EXISTING FIELD TILES MAY BE LOCATED IN THIS AREA. SEE DRAINAGE GENERAL NOTES NO. 7 ON SHEET 3.



FILE NAME =	USER NAME = mohammed.oi	DESIGNED	JDW	REVISED	-
P:\projects\13003\000\C\CADD_Sheets\4014634-shd-Drain.dgn		DRAWN	JDW	REVISED	-
MODELNAME		CHECKED	RCH	REVISED	-
		DATE	3/31/21	REVISED	-

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		DRAINAGE AND UTILITY PLANS CEDAR ROAD AND LARAWAY ROAD	
SCALE:	SHEET 3 OF 8 SHEETS	STA.	TO STA.

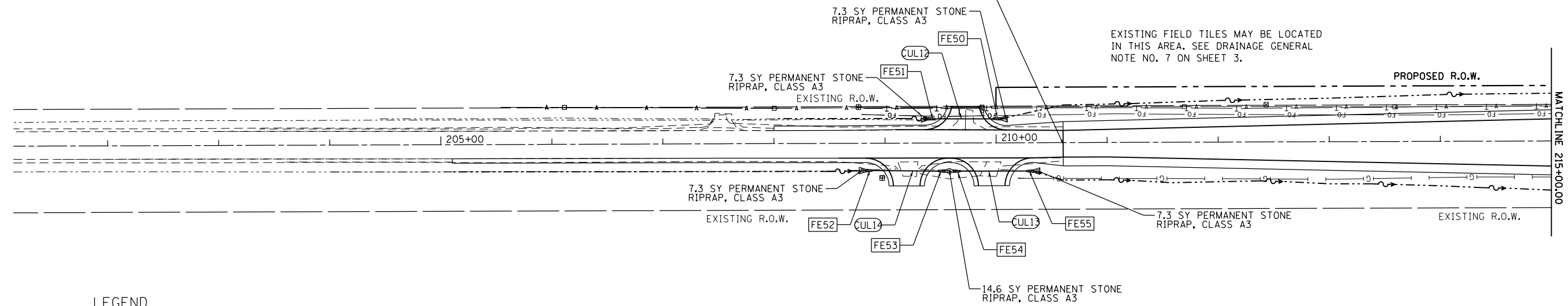
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	57
			CONTRACT NO. 61B89	
ILLINOIS FED. AID PROJECT				



CEDAR ROAD

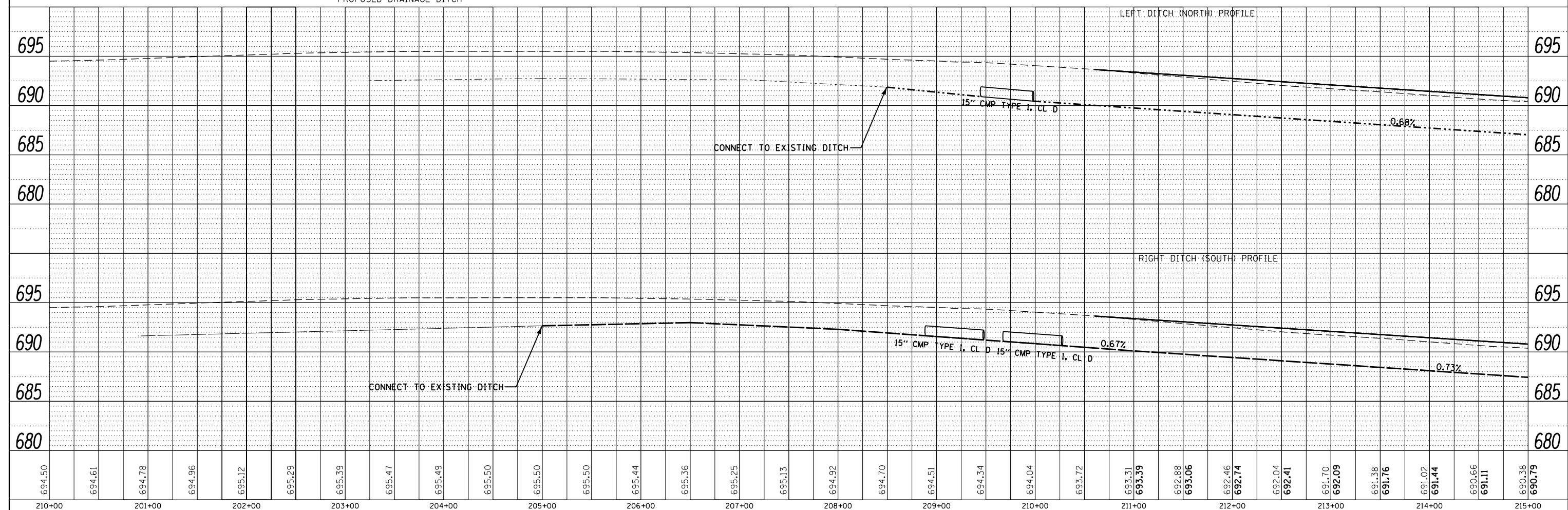
BEGIN PROJECT
STA. 210+60.42

EXISTING FIELD TILES MAY BE LOCATED
IN THIS AREA. SEE DRAINAGE GENERAL
NOTE NO. 7 ON SHEET 3.



LEGEND

- FE STRUCTURE - FLARED END SECTION
- CUL CULVERT PIPE
- MH MANHOLE
- ST INLET OR CATCHBASIN
- CO STORM PIPE - STORM SEWER
- VV VALVE VAULT
- DITCH FLOW
- PROPOSED DRAINAGE DITCH



694.50	694.61	694.78	694.96	695.12	695.29	695.39	695.47	695.49	695.50	695.50	695.50	695.44	695.36	695.25	695.13	694.92	694.70	694.51	694.34	694.04	693.72	693.31	693.39	692.88	693.06	692.46	692.74	692.04	692.41	691.70	692.09	691.38	691.76	691.02	691.44	690.66	691.11	690.38	690.79
210+00	201+00	202+00	203+00	204+00	205+00	206+00	207+00	208+00	209+00	210+00	211+00	212+00	213+00	214+00	215+00																								

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

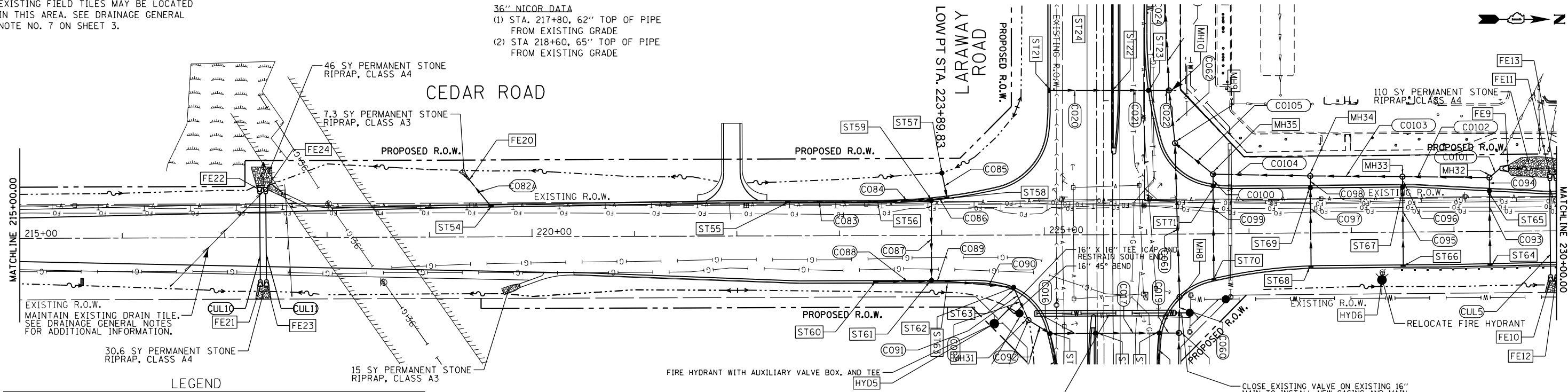
**DRAINAGE AND UTILITY PLANS
CEDAR ROAD AND LARAWAY ROAD**

SCALE: SHEET 6 OF 8 SHEETS STA. TO STA.

F.A.U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	60
CONTRACT NO. 61B89			ILLINOIS FED. AID PROJECT	

EXISTING FIELD TILES MAY BE LOCATED IN THIS AREA. SEE DRAINAGE GENERAL NOTE NO. 7 ON SHEET 3.

36" NICOR DATA
 (1) STA. 217+80, 62" TOP OF PIPE FROM EXISTING GRADE
 (2) STA 218+60, 65" TOP OF PIPE FROM EXISTING GRADE



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

EXISTING R.O.W. MAINTAIN EXISTING DRAIN TILE. SEE DRAINAGE GENERAL NOTES FOR ADDITIONAL INFORMATION.

LEGEND

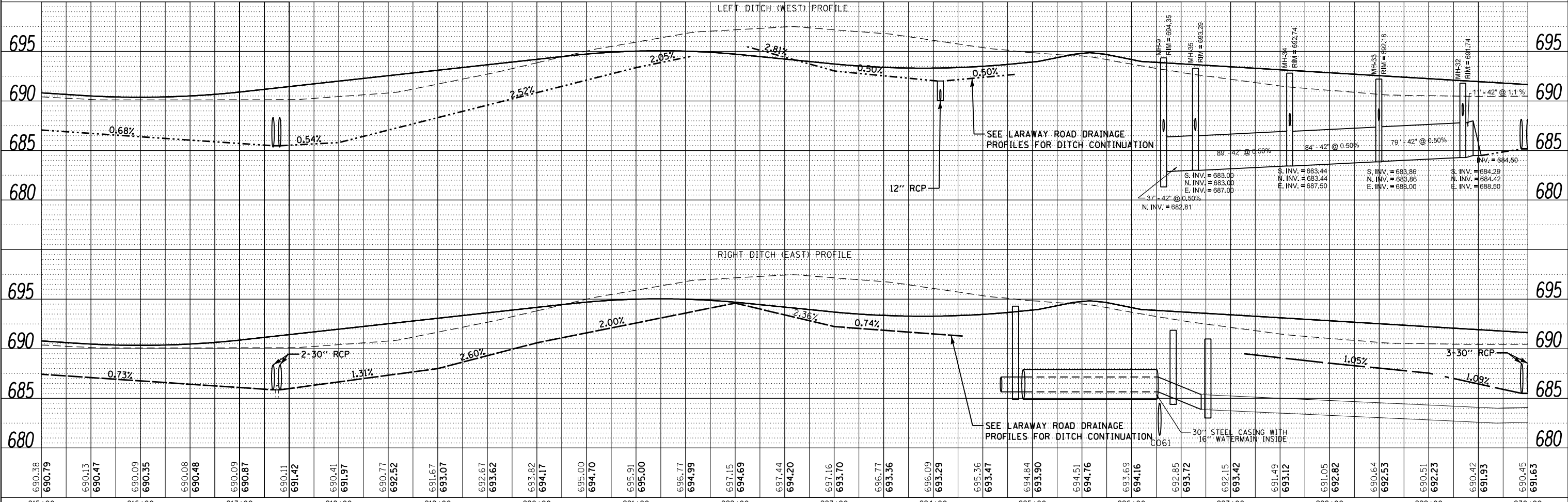
- (FE-) STRUCTURE - FLARED END SECTION
- (CUL-) CULVERT PIPE
- (MH-) MANHOLE
- (ST-) INLET OR CATCHBASIN
- (CO-) STORM PIPE - STORM SEWER
- (VV-) VALVE VAULT
- > DITCH FLOW
- - - PROPOSED DRAINAGE DITCH

REMOVE 93' EXISTING WATER MAIN AND CASING AND REUSE 36" STEEL CASING AND INSTALL 16" DUCTILE IRON WATERMAIN INSIDE. FURNISH ADDITIONAL 44 LF OF 36" STEEL CASING. STEEL CASING IS TO EXTEND BEYOND THE BACK OF CURB.

NOTES:
 1. CONTRACTOR TO VERIFY EXISTING TOP OF WATER MAIN PIPE ELEVATION PRIOR TO INSTALLATION OF WATER MAIN EXTENSION.



DATE	
BY	
PROFILE	
NO.	
NO.	
NO.	
NO.	



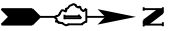
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		DATE	3/31/21	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLANS
CEDAR ROAD AND LARAWAY ROAD

SCALE: SHEET 7 OF 8 SHEETS STA. TO STA.

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	61
				CONTRACT NO. 61B89
ILLINOIS FED. AID PROJECT				

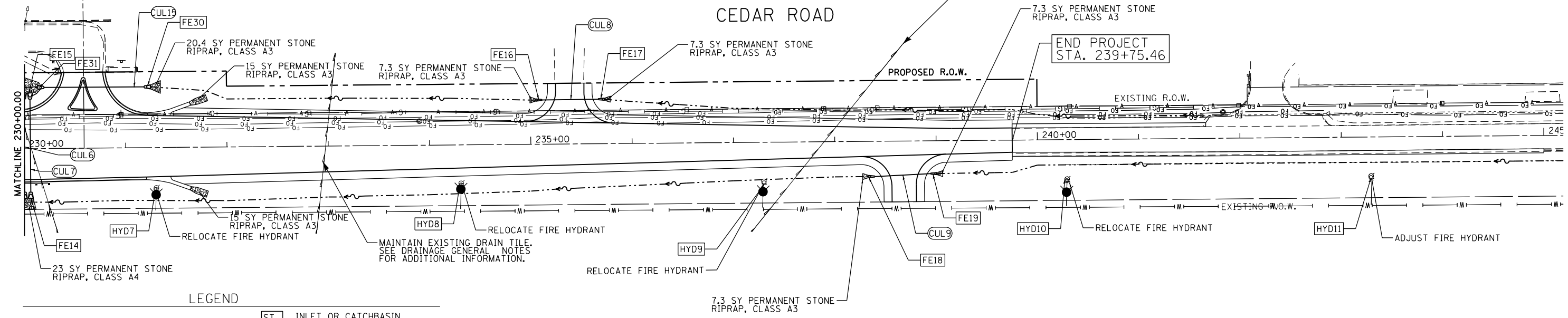


EXISTING FIELD TILES MAY BE LOCATED IN THIS AREA. SEE DRAINAGE GENERAL NOTE NO. 7 ON SHEET 3.

MAINTAIN EXISTING DRAIN TILE. SEE DRAINAGE GENERAL NOTES FOR ADDITIONAL INFORMATION.

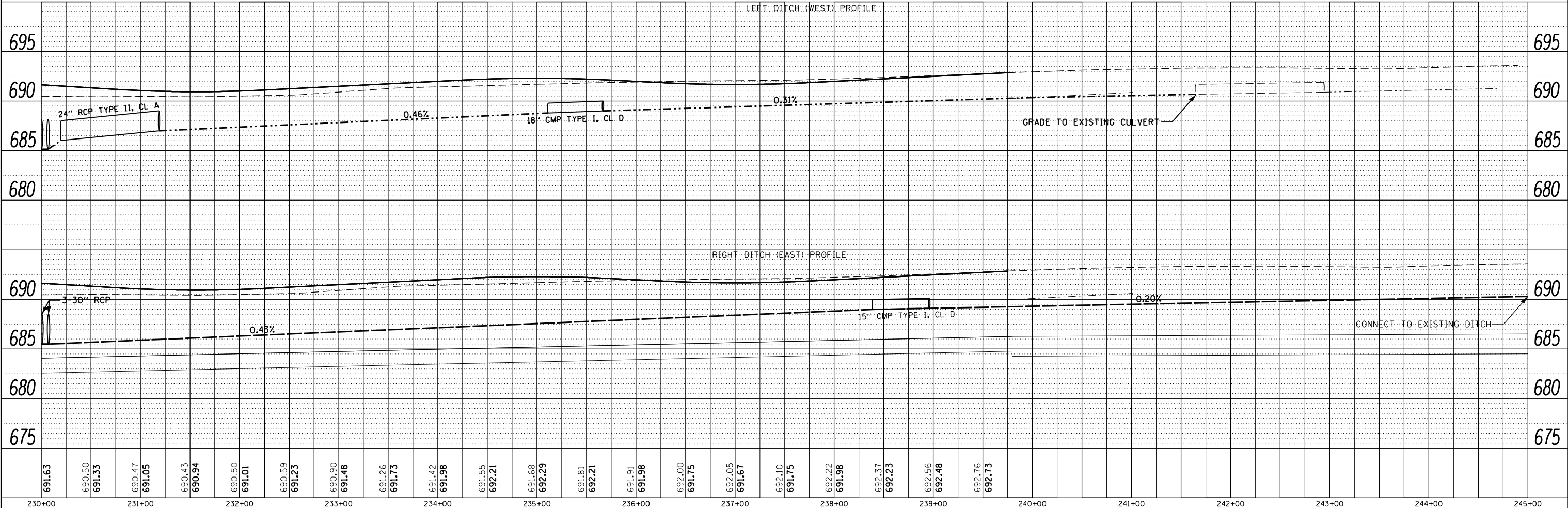
CEDAR ROAD

END PROJECT STA. 239+75.46



LEGEND

- (FE) STRUCTURE - FLARED END SECTION
- (CUL) CULVERT PIPE
- (MH) MANHOLE
- (ST) INLET OR CATCHBASIN
- (CO) STORM PIPE - STORM SEWER
- (VV) VALVE VAULT
- - - DITCH FLOW
- - - PROPOSED DRAINAGE DITCH



691.63	690.50	691.33	690.47	691.05	690.43	690.94	690.50	691.01	690.59	691.23	690.90	691.48	691.26	691.73	691.42	691.98	691.55	692.21	691.68	692.29	691.81	692.21	691.91	691.98	692.00	691.75	692.05	691.67	692.10	691.75	692.22	691.98	692.37	692.23	692.56	692.48	692.76	692.73
230+00	231+00	232+00	233+00	234+00	235+00	236+00	237+00	238+00	239+00	240+00	241+00	242+00	243+00	244+00	245+00																							

DATE	
BY	
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NOTE BOOK	
NO.	
FILE NAME	
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FILE NAME	
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DATE	
BY	
PROFILE	
NO.	
NOTE BOOK	
NO.	
FILE NAME	
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		DATE	3/31/21	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLANS			
CEDAR ROAD AND LARAWAY ROAD			
SCALE:	SHEET 8	OF 8 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	62
CONTRACT NO. 61B89			ILLINOIS FED. AID PROJECT	

PROPOSED VALVE VAULTS

STR. NUMBER	STATION	ALIGNMENT	OFFSET	RIM ELEVATION	ESTIMATED TOP OF PIPE ELEVATION	STRUCTURE DATA
VV1	1189+07	LARAWAY ROAD	82' RT	694.00	687.20	VV TA 5 DIA T1F CL
VV2	1189+07	LARAWAY ROAD	84' LT	691.80	686.50	VV TA 5 DIA T1F CL
VV3	1188+94	LARAWAY ROAD	119' LT	691.00	685.35	VV TA 5 DIA T1F CL

ADJUST VALVE VAULTS

STR. NUMBER	STATION	ALIGNMENT	OFFSET	EXISTING RIM ELEVATION	PROPOSED RIM ELEVATION	STRUCTURE DATA
VV4	1189+26	LARAWAY ROAD	84' LT	692.40	691.20	VV ADJ NEW T1F CL
VV5	1188+92	LARAWAY ROAD	124' LT	690.50	691.20	VV ADJ NEW T1F CL

FIRE HYDRANT RELOCATIONS

HYDRANT NUMBER	STATION	ALIGNMENT	PROPOSED OFFSET	PROPOSED ELEVATION AT BOTTOM RING	COMMENTS
HYD3	1193+13.16	LARAWAY ROAD	50.00' LT	698.20	HYDRANT VALVE ADJUSTMENT ALSO REQUIRED
HYD4	1190+12.71	LARAWAY ROAD	59.58' LT	695.00	HYDRANT VALVE ADJUSTMENT ALSO REQUIRED
HYD5	1189+17.25	LARAWAY ROAD	107.00' RT	693.50	HYDRANT VALVE ADJUSTMENT ALSO REQUIRED
HYD6	228+29.30	CEDAR ROAD	16.00' RT	689.50	HYDRANT VALVE ADJUSTMENT ALSO REQUIRED
HYD7	231+29.70	CEDAR ROAD	46.63' RT	688.00	HYDRANT VALVE ADJUSTMENT ALSO REQUIRED
HYD8	234+30.50	CEDAR ROAD	43.73' RT	688.30	HYDRANT VALVE ADJUSTMENT ALSO REQUIRED
HYD9	237+28.80	CEDAR ROAD	48.85' RT	690.20	HYDRANT VALVE ADJUSTMENT ALSO REQUIRED
HYD10	240+28.40	CEDAR ROAD	51.00' RT	691.50	HYDRANT VALVE ADJUSTMENT ALSO REQUIRED

FIRE HYDRANT ADJUSTMENTS

HYDRANT NUMBER	STATION	ALIGNMENT	EXISTING OFFSET	PROPOSED ELEVATION AT BOTTOM RING	COMMENTS
HYD1	1199+13.80	LARAWAY ROAD	68.10' LT	703.80	HYDRANT VALVE ADJUSTMENT ALSO REQUIRED
HYD2	1196+13.86	LARAWAY ROAD	69.35' LT	700.00	HYDRANT VALVE ADJUSTMENT ALSO REQUIRED
HYD11	243+29.20	CEDAR ROAD	38.55' RT	690.70	HYDRANT VALVE ADJUSTMENT ALSO REQUIRED
HYD12	1184+25.16	LARAWAY ROAD	67.34' LT	692.80	HYDRANT VALVE ADJUSTMENT ALSO REQUIRED

STORM STRUCTURES

STR. NUMBER	STATION	ALIGNMENT	OFFSET	RIM ELEVATION	SOUTH INVERT	NORTH INVERT	WEST INVERT	EAST INVERT	STRUCTURE DATA
MH1	1198+90	Laraway Road	52.32' LT.	703.62	701.09		698.48		MAN TA 4 DIA T1F OL
MH2	1197+55	Laraway Road	54.82' LT.	701.92	699.00		695.86	695.86	MAN TA 4 DIA T1F OL
MH3	1195+85	Laraway Road	54.77' LT.	699.52	696.00		692.54	692.54	MAN TA 4 DIA T1F OL
MH4	1194+15	Laraway Road	54.72' LT.	698.84	696.00		689.22	689.22	MAN TA 4 DIA T1F OL
MH5	1191+80	Laraway Road	66.52' LT.	693.08	690.00		685.76	685.76	MAN TA 4 DIA T1F OL
MH6	1190+60	Laraway Road	71.26' LT.	692.29	689.00		684.02	684.02	MAN TA 5 DIA T1F OL
MH7	1189+27	Laraway Road	73.30' LT.	691.47	686.00		682.74	682.74	MAN TA 5 DIA T1F OL
MH8	1189+92	Laraway Road	74.00' LT.	693.39			682.44	682.44	MAN TA 5 DIA T1F OL
MH9	1187+42	Laraway Road	60.74' LT.	694.35			681.00	681.00	MAN TA 6 DIA T1F OL
MH10	1186+90	Laraway Road	63.86' LT.	694.47	688.00		680.91	680.91	MAN TA 6 DIA T1F OL
MH11	1185+90	Laraway Road	59.49' LT.	695.26	690.00		680.72	680.72	MAN TA 6 DIA T1F OL
MH12	1184+90	Laraway Road	58.91' LT.	692.21	687.88		680.53	680.53	MAN TA 6 DIA T1F OL
MH13	1182+90	Laraway Road	65.02' LT.	692.20	689.40		680.14	680.14	MAN TA 6 DIA T1F OL
MH14	1180+90	Laraway Road	64.82' LT.	688.39	686.00		679.75	679.75	MAN TA 6 DIA T1F OL
MH15	1179+43	Laraway Road	65.22' LT.	687.49	683.00		679.47	679.47	MAN TA 6 DIA T1F OL
MH16	1178+60	Laraway Road	65.20' LT.	687.01	683.00		679.32	679.32	MAN TA 6 DIA T1F OL
MH17	1177+60	Laraway Road	65.21' LT.	686.44	682.33		679.13	679.13	MAN TA 6 DIA T1F OL
MH18	1176+20	Laraway Road	45.28' LT.	688.81	686.00		678.86	678.86	MAN TA 6 DIA T1F OL
MH19	1175+00	Laraway Road	41.07' LT.	689.03	686.63		678.63	678.63	MAN TA 6 DIA T1F OL
MH20	1174+20	Laraway Road	49.99' LT.	689.61	686.00		678.48	678.48	MAN TA 6 DIA T1F OL
MH21	1172+80	Laraway Road	65.48' LT.	689.58	686.00		678.21	678.21	MAN TA 6 DIA T1F OL
MH22	1172+30	Laraway Road	65.54' LT.	686.45	683.00		678.12	678.12	MAN TA 6 DIA T1F OL
MH23	1171+05	Laraway Road	65.35' LT.	686.45	680.85* (12")		677.89	677.89	MAN TA 6 DIA T1F OL
MH24	1169+16	Laraway Road	65.40' LT.	686.50	682.50* (12")		677.52	677.52	MAN TA 7 DIA T1F OL
MH25	1167+25	Laraway Road	65.44' LT.	684.40	680.20* (12")		677.25	677.25	MAN TA 8 DIA T1F OL
MH26	1165+94.26	Laraway Road	65.47' LT.	683.00	677.16* (18")		677.06	677.06	MAN TA 8 DIA T1F OL
MH27	-	-	-						
MH28	1164+61	Laraway Road	65.49' LT.	684.40	680.40* (12")		676.88	676.88	MAN TA 8 DIA T1F OL
MH29	1162+90	Laraway Road	65.53' LT.	685.00	681.00* (12")	676.64		676.64	MAN TA 8 DIA T1F OL
MH30	1174+24.42	Laraway Road	86.00' RT	687.53		686.69			MAN TA 4 DIA T1F OL
MH31	224+84	Cedar Road	83.02' RT.	694.71		687.67	687.67		MAN TA 6 DIA T1F OL
MH32	229+35	Cedar Road	52.44' LT.	690.80	684.29	684.42		688.50	MAN TA 6 DIA T1F OL
MH33	228+50	Cedar Road	54.15' LT.	690.87	683.86	683.86		688.00	MAN TA 6 DIA T1F OL
MH34	227+60	Cedar Road	55.62' LT.	693.32	683.44	683.44		687.50	MAN TA 6 DIA T1F OL
MH35	226+65	Cedar Road	58.10' LT.	694.15	683.00	683.00		687.00	MAN TA 6 DIA T1F OL
MH1L	1162+12	Laraway Road	84.22' LT.	684.00		676.36	676.36		MAN TA 4 DIA T1F OL
MH2L	1161+97	Laraway Road	333.97' LT.	682.00	676.20	676.20			MAN TA 4 DIA T1F OL
MH3L	1161+95	Laraway Road	533.94' LT.	682.00	676.10	676.10			MAN TA 4 DIA T1F OL
MH4L	1161+93	Laraway Road	733.97' LT.	682.00	676.00	676.00			MAN TA 4 DIA T1F OL
MH5L	1161+91	Laraway Road	909.30' LT.	682.00	675.91	675.91			MAN TA 6D T1F CL R-P
MH6L	1161+98.84	Laraway Road	84.22' LT.	682.00		676.33		676.33 (NE)	MAN TA 4DIA T1F OL

* HOLES ARE FOR FUTURE USE AND SHALL BE COVERED TO THE SATISFACTION OF THE ENGINEER PRIOR TO BACKFILLING. COVERING OF THE PENETRATION HOLES SHALL BE CONSIDERED INCLUDED IN THE COST OF THE DRAINAGE STRUCTURE.

STORM STRUCTURES

STR. NUMBER	STATION	ALIGNMENT	OFFSET	RIM ELEVATION	SOUTH INVERT	NORTH INVERT	WEST INVERT	EAST INVERT	STRUCTURE DATA
ST1	1198+90	Laraway Road	38.75' RT	704.36		700.86			INLETS TA T24F&G
ST2	1198+90	Laraway Road	37.67' LT	704.36	700.13	700.13			CB TA 4 DIA T24F&G
ST3	1197+55	Laraway Road	40.83' RT	702.87		699.37			INLETS TA T24F&G
ST4	1197+55	Laraway Road	40.00' LT	702.87	698.98	698.98			CB TA 4 DIA T24F&G
ST5	1195+85	Laraway Road	40.83' RT	701.00		697.50			INLETS TA T24F&G
ST6	1195+85	Laraway Road	40.00' LT	701.00	697.11	696.06	697.07		CB TA 4 DIA T24F&G
ST7	1195+50	Laraway Road	40.83' LT	700.62				697.12	INLETS TA T24F&G
ST8	1194+15	Laraway Road	40.83' RT	699.13		695.63			INLETS TA T24F&G
ST9	1194+15	Laraway Road	40.00' LT	699.11	695.24	695.24			CB TA 4 DIA T24F&G
ST10	1192+50	Laraway Road	40.83' RT	697.31		693.85	693.38		INLETS TB T24F&G
ST11	1192+50	Laraway Road	2.11' RT	697.53	694.03				INLETS TA T12F&G
ST12	1191+80	Laraway Road	40.83' RT	696.54		693.04		693.04	INLETS TB T24F&G
ST13	1191+80	Laraway Road	49.45' LT	696.35	692.60	690.07			CB TA 4 DIA T24F&G
ST14	1190+60	Laraway Road	8.83' RT	695.85		692.35			INLETS TA T12F&G
ST15	1190+60	Laraway Road	52.00' LT	695.15	692.05	689.08			CB TA 4 DIA T24F&G
ST16	1189+70	Laraway Road	44.83' RT	694.79		691.29			INLETS TA T24F&G
ST17	1189+70	Laraway Road	52.83' LT	694.65			691.15		INLETS TA T24F&G
ST18	1189+27	Laraway Road	52.56' RT	694.45	687.57	687.57		691.09	CB TA 4 DIA T24F&G
ST19	1189+27	Laraway Road	8.00' RT	695.15	687.36	687.36			CB TA 4 DIA T12F&G
ST20	1189+27	Laraway Road	53.99' LT	694.20	687.05	686.08		690.96	CB TA 4 DIA T24F&G
ST21	1186+90	Laraway Road	52.83' RT	693.27		689.77			INLETS TA T24F&G
ST22	1186+90	Laraway Road	8.83' LT	693.97	689.47	689.47			INLETS TB T12F&G
ST23	1186+90	Laraway Road	43.88' LT	693.43	689.30	688.11			CB TA 4 DIA T24F&G
ST24	1185+90	Laraway Road	52.83' RT	692.75		689.25			INLETS TA T24F&G
ST25	1185+90	Laraway Road	40.00' LT	692.88	688.79	690.08			CB TA 4 DIA T24F&G
ST26	1185+99	Laraway Road	78.21' RT	690.00		688.50			CB TC T8G
ST27	1184+90	Laraway Road	49.40' RT	692.26	688.37	688.37			INLETS TB T24F&G
ST28	1184+90	Laraway Road	6.58' LT	692.60	688.10	688.10			INLETS TB T12F&G
ST29	1184+90	Laraway Road	40.00' LT	692.43	687.94	687.94			CB TA 4 DIA T24F&G
ST30	1183+70	Laraway Road	42.86' RT	691.79		688.29			INLETS TA T24F&G
ST31	1183+70	Laraway Road	40.83' LT	691.83	687.88		687.88		INLETS TB T24F&G
ST32	1182+90	Laraway Road	40.00' LT	691.43		687.50		687.50	CB TA 4 DIA T24F&G
ST33	1182+20	Laraway Road	40.83' RT	691.08		687.58			INLETS TB T24F&G
ST34	-	-	-	-					-
ST35	1180+90	Laraway Road	40.83' RT	690.43		686.95		686.95	INLETS TB T24F&G
ST36	1180+90	Laraway Road	40.00' LT	690.43	686.55	686.10			CB TA 4 DIA T24F&G
ST37	1179+70	Laraway Road	39.43' RT	689.82		686.32			INLETS TA T24F&G
ST38	1179+70	Laraway Road	37.60' LT	689.84	685.94	683.17			CB TA 4 DIA T24F&G
ST39	1178+60	Laraway Road	37.23' RT	689.25		685.75			INLETS TA T24F&G
ST40	1178+60	Laraway Road	35.40' LT	689.28	685.39	683.13			CB TA 4 DIA T24F&G
ST41	1177+60	Laraway Road	34.40' RT	688.78	682.82	682.82			CB TA 4 DIA T24F&G
ST42	1177+60	Laraway Road	33.40' LT	688.78	682.48	682.48			CB TA 4 DIA T24F&G
ST43	1176+55	Laraway Road	33.83' RT	688.27			684.77		INLETS TA T24F&G
ST44	1176+00	Laraway Road	33.83' RT	688.73				685.23	INLETS TA T24F&G
ST45	1176+19.98	Laraway Road	33.83' RT	688.18		684.62	685.15	684.62	INLETS TB T24F&G
ST46	1176+55	Laraway Road	33.00' LT	688.27			684.77		INLETS TA T24F&G
ST47	1176+00	Laraway Road	33.00' LT	688.17				684.67	INLETS TA T24F&G
ST48	1176+19.98	Laraway Road	33.00' LT	688.18	684.29	684.29	684.59	684.61	CB TA 4 DIA T24F&G
ST49	1175+00	Laraway Road	33.83' RT	688.48		684.98			INLETS TA T24F&G
ST50	1175+00	Laraway Road	33.00' LT	688.48	684.65	684.65			CB TA 4 DIA T24F&G
ST51	1174+20	Laraway Road	33.69' RT	688.88		685.38			INLETS TA T24F&G
ST52	1174+20	Laraway Road	33.14' LT	688.88	685.05	685.05			CB TA 4 DIA T24F&G
ST53	1172+30	Laraway Road	33.00' LT	689.13		683.14			CB TC 4 DIA T24F&G

ST54	219+60	Cedar Road	29.92' LT	693.09				689.59		INLETS TA T24F&G	
ST55	222+50	Cedar Road	32.83' LT	693.50				690.00		INLETS TA T24F&G	
ST56	222+35	Cedar Road	32.83' LT	692.74	688.83	688.83				INLETS TB T24F&G	
ST57	224+00	Cedar Road	60.73' LT	692.00					690.50	CB TC T8G	
ST58	224+05	Cedar Road	36.71' LT	692.45	688.95			690.39		INLETS TB T24F&G	
ST59	223+89.83	Cedar Road	35.02' LT	692.65	688.58	688.8925			688.5805	CB TA 4 DIA T24F&G	
ST60	223+35	Cedar Road	44.83' RT	692.50				689.00		INLETS TA T24F&G	
ST61	223+89.83	Cedar Road	44.83' RT	692.50	688.75	688.19	688.19			CB TA 4 DIA T24F&G	
ST62	224+05	Cedar Road	44.83' RT	692.32	688.13	688.13				CB TA 4 DIA T24F&G	
ST63	224+70	Cedar Road	51.03' RT	693.10	687.83				687.83	CB TA 4 DIA T24F&G	
ST64	229+35	Cedar Road	32.32' RT	691.33					687.83	INLETS TA T24F&G	
ST65	229+35	Cedar Road	39.52' LT	691.16					687.48	687.48	CB TA 4 DIA T24F&G
ST66	228+50	Cedar Road	32.83' RT	691.83					688.33		INLETS TA T24F&G
ST67	228+50	Cedar Road	44.00' LT	691.59					687.95	687.95	CB TA 4 DIA T24F&G
ST68	227+60	Cedar Road	32.99' RT	692.36					688.86		INLETS TA T24F&G
ST69	227+60	Cedar Road	44.00' LT	692.12					687.53	688.48	CB TA 4 DIA T24F&G
ST70	225+65	Cedar Road	44.49' RT	693.01					689.51		INLETS TA T24F&G
ST71	225+65	Cedar Road	46.66' LT	692.68					687.03	689.06	CB TA 4 DIA T24F&G
FE1	1195+17	Laraway Road	60.74' LT.	--						696.70	STEEL FL END SEC 12"
FE2	1194+77	Laraway Road	60.73' LT.	--						696.30	STEEL FL END SEC 12"
FE3	1175+83	Laraway Road	61.56' LT.	--						686.80	STEEL FL END SEC 24"
FE4	1175+33	Laraway Road	60.82' LT.	--						686.15	STEEL FL END SEC 24"
FE5	1173+36	Laraway Road	52.85' LT.	--						685.60	STEEL FL END SEC 24"
FE6	1172+83	Laraway Road	53.48' LT.	--						685.20	STEEL FL END SEC 24"
FE7	1172+11	Laraway Road	56.24' LT.	--						683.80	STEEL FL END SEC 24"
FE8	1171+59	Laraway Road	56.87' LT.	--						683.50	STEEL FL END SEC 24"
FE9	229+46	Cedar Road	61.31' LT.	--				684.50			PRC FLAR END SEC 42
FE10	229+94	Cedar Road	42.96' RT	--						685.50	PRC FLAR END SEC 30
FE11	229+94	Cedar Road	49.12' LT	--					685.13		PRC FLAR END SEC 30
FE12	230+00	Cedar Road	42.96' RT	--						685.50	PRC FLAR END SEC 30
FE13	230+00	Cedar Road	49.12' LT	--					685.13		PRC FLAR END SEC 30
FE14	230+06	Cedar Road	42.96' RT	--						685.50	PRC FLAR END SEC 30
FE15	230+06	Cedar Road	49.12' LT	--					685.13		PRC FLAR END SEC 30
FE16	235+11.50	Cedar Road	43.67' LT	--	688.80						PRC FLAR END SEC 18
FE17	235+66.68	Cedar Road	43.95' LT	--				689.00			PRC FLAR END SEC 18
FE18	238+39	Cedar Road	34.80' RT	--	688.98						PRC FLAR END SEC 15
FE19	238+95	Cedar Road	32.40' RT	--				689.10			PRC FLAR END SEC 15
FE20	219+39	Cedar Road	55.49' LT.	--	690.06(SW)						PRC FLAR END SEC 12
FE21	217+34.40	Cedar Road	41.30' RT	--						685.86	PRC FLAR END SEC 30
FE22	217+34.40	Cedar Road	42.85' LT	--					685.45		PRC FLAR END SEC 30
FE23	217+40.40	Cedar Road	41.27' RT	--						685.86	PRC FLAR END SEC 30
FE24	217+40.40	Cedar Road	42.83' LT	--					685.45		PRC FLAR END SEC 30
FE25	1177+59	Laraway Road	73.51' RT.	--				683.00			PRC FLAR END SEC 30
FE26	1162+61	Laraway Road	113.19' LT.	--				676.55			PRC FLAR END SEC 60
FE30	231+19	Cedar Road	60.10' LT.	--	687.00						PRC FLAR END SEC 24
FE31	230+20	Cedar Road	60.36' LT.	--				686.00			PRC FLAR END SEC 24
FE40	1162+30	Laraway Road	116.49' LT.	--				676.40			PRC FLAR END SEC 24
FE41	1162+21	Laraway Road	333.97' LT.	--						676.45	PRC FLAR END SEC 15
FE42	1162+23	Laraway Road	533.94' LT.	--						676.35	PRC FLAR END SEC 15
FE43	1162+25	Laraway Road	733.97' LT.	--						676.25	PRC FLAR END SEC 15
FE44	1162+27	Laraway Road	909.30' LT.	--						676.00	PRC FLAR END SEC 15
FE45	1161+90	Laraway Road	1123.93' LT.	--				675.80			PRC FLAR END SEC 24
FE50	209+98	Cedar Road	21.64' LT.	--				690.44			STEEL FL END SEC 12"
FE51	209+42	Cedar Road	21.81' LT.	--	690.90						STEEL FL END SEC 12"
FE52	208+89	Cedar Road	24.61' RT.	--	691.65						STEEL FL END SEC 12"
FE53	209+48	Cedar Road	25.25' RT.	--				691.22			STEEL FL END SEC 12"
FE54	209+66	Cedar Road	25.39' RT.	--	691.07						STEEL FL END SEC 12"
FE55	210+25	Cedar Road	24.51' RT.	--				690.63			STEEL FL END SEC 12"

FILE NAME : P:\projects\13003\000\CADD_Sheets\401-684-sht-DrainData.dgn

USER NAME : mohammed.aj
 PLOT SCALE : 2.0000' / in.
 PLOT DATE : 4/12/2021

DESIGNED JDW
 DRAWN JDW
 CHECKED RCH
 DATE 3/31/21

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY SCHEDULES
 CEDAR ROAD AND LARAWAY ROAD

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	154	64
CONTRACT NO. 61B89				
ILLINOIS FED. AID PROJECT				

STORM SEWER

PIPE #	FROM STR.	TO STR.	TYPE	LENGTH (FT)	DIAMETER (IN)	SPAN (IN)	RISE (IN)	SLOPE (%)	CONTROLLED LOW STRENGTH MATERIAL (CU-YD)
CO1	ST1	ST2	STORM SEW CL A 2	76	12			0.97%	41.9
CO2	ST2	MH1	STORM SEW CL A 2	8	12			0.50%	
CO3	ST3	ST4	STORM SEW CL A 2	79	12			0.50%	43.9
CO4	ST4	MH2	STORM SEW CL A 2	11	12			0.50%	
CO5	ST5	ST6	STORM SEW CL A 2	79	12			0.50%	43.9
CO6A	ST7	ST6	STORM SEW CL A 2	31	12			0.50%	
CO6	ST6	MH3	STORM SEW CL A 2	11	12			0.50%	
CO7	ST8	ST9	STORM SEW CL A 2	79	12			0.50%	43.9
CO8	ST9	MH4	STORM SEW CL A 2	11	12			0.50%	
CO9	ST11	ST10	STORM SEW CL A 2	37	12			0.50%	20.6
CO10	ST10	ST12	STORM SEW CL A 2	68	12			0.50%	37.8
CO11	ST12	ST13	STORM SEW CL A 2	89	12			0.50%	49.4
CO12	ST13	MH5	STORM SEW CL A 2	13	12			0.50%	
CO13	ST14	ST15	STORM SEW CL A 2	60	12			0.50%	33.3
CO14	ST15	MH6	STORM SEW CL A 2	15	12			0.50%	
CO15	ST16	ST18	STORM SEW CL A 2	40	12			0.50%	22.1
CO16	ST18	ST19	STORM SEW CL A 2	42	36			0.50%	23.1
CO17	ST19	ST20	STORM SEW CL A 2	62	36			0.50%	34.4
CO18	ST17	ST20	STORM SEW CL A 2	39	12			0.50%	21.7
CO19	ST20	MH7	STORM SEW CL A 2	15	36			0.50%	
CO20	ST21	ST22	STORM SEW CL A 2	60	12			0.50%	33.3
CO21	ST22	ST23	STORM SEW CL A 2	34	12			0.50%	18.8
CO22	ST23	MH10	STORM SEW CL A 2	22	12			0.50%	
CO23	ST24	ST25	STORM SEW CL A 2	92	12			0.50%	51.1
CO24	ST25	MH11	STORM SEW CL A 2	15	12			0.50%	
CO25	ST26	ST27	STORM SEW CL A 2	26	12			0.50%	
CO26	ST27	ST28	STORM SEW CL A 2	54	12			0.50%	30.2
CO27	ST28	ST29	STORM SEW CL A 2	32	12			0.50%	17.9
CO28	ST29	MH12	STORM SEW CL A 2	14	12			0.50%	
CO29	ST30	ST31	STORM SEW CL A 2	82	12			0.50%	45.6
CO30	ST31	ST32	STORM SEW CL A 2	76	12			0.50%	42.2
CO31	ST32	MH13	STORM SEW CL A 2	20	12			0.50%	
CO32	-	-	-	-	-			-	-
CO33	ST33	ST35	STORM SEW CL A 2	126	12			0.50%	70.0
CO34	ST35	ST36	STORM SEW CL A 2	80	12			0.50%	44.4
CO35	ST36	MH14	STORM SEW CL A 2	20	12			0.50%	
CO36	ST37	ST38	STORM SEW CL A 2	76	12			0.50%	42.3
CO37	ST38	MH15	STORM SEW CL A 2	34	12			0.50%	
CO38	ST39	ST40	STORM SEW CL A 2	72	12			0.50%	39.9
CO39	ST40	MH16	STORM SEW CL A 2	25	12			0.50%	
CO40	FE25	ST41	STORM SEW CL A 2	37	30			0.50%	
CO41	ST41	ST42	STORM SEW CL A 2	68	30			0.50%	37.7
CO42	ST42	MH17	STORM SEW CL A 2	27	30			0.50%	
CO43	ST43	ST45	STORM SEW CL A 2	31	12			0.50%	17.2
CO44	ST44	ST45	STORM SEW CL A 2	16	12			0.50%	8.9
CO45	ST45	ST48	STORM SEW CL A 2	66	12			0.50%	36.6
CO46	ST46	ST48	STORM SEW CL A 2	31	12			0.50%	17.3
CO47	ST47	ST48	STORM SEW CL A 2	16	12			0.50%	8.9
CO4A	ST48	MH18	STORM SEW CL A 2	9	12			0.50%	5.0
CO48	ST49	ST50	STORM SEW CL A 2	66	12			0.50%	36.7
CO49	ST50	MH19	STORM SEW CL A 2	3	12			0.50%	
CO50	ST51	ST52	STORM SEW CL A 2	66	12			0.50%	36.7
CO51	ST52	MH20	STORM SEW CL A 2	12	12			0.50%	
CO52	MH30	MH21	STORM SEW CL A 2	137	18			0.50%	142.1
CO53	ST53	MH22	STORM SEW CL A 2	28	12			0.50%	
CO54	MH1	MH2	STORM SEW CL A 2	131	12			2.00%	
CO55	MH2	MH3	STORM SEW CL A 2	166	12			2.00%	
CO56	MH3	MH4	STORM SEW CL A 2	166	18			2.00%	
CO57	MH4	MH5	STORM SEW CL A 2	231	24			1.50%	
CO58	MH5	MH6	STORM SEW CL A 2	116	24			1.50%	

RCCP CULVERTS WITH CONTROLLED LOW STRENGTH MATERIAL

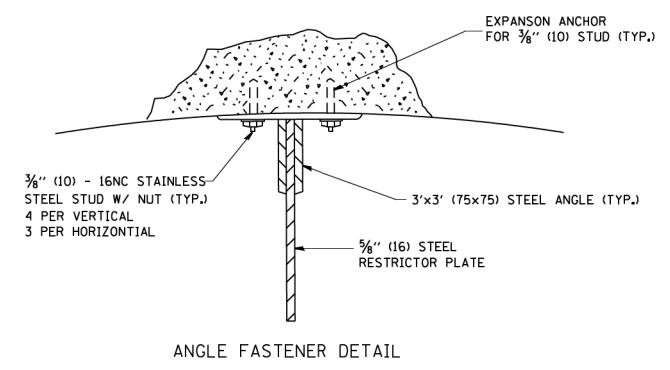
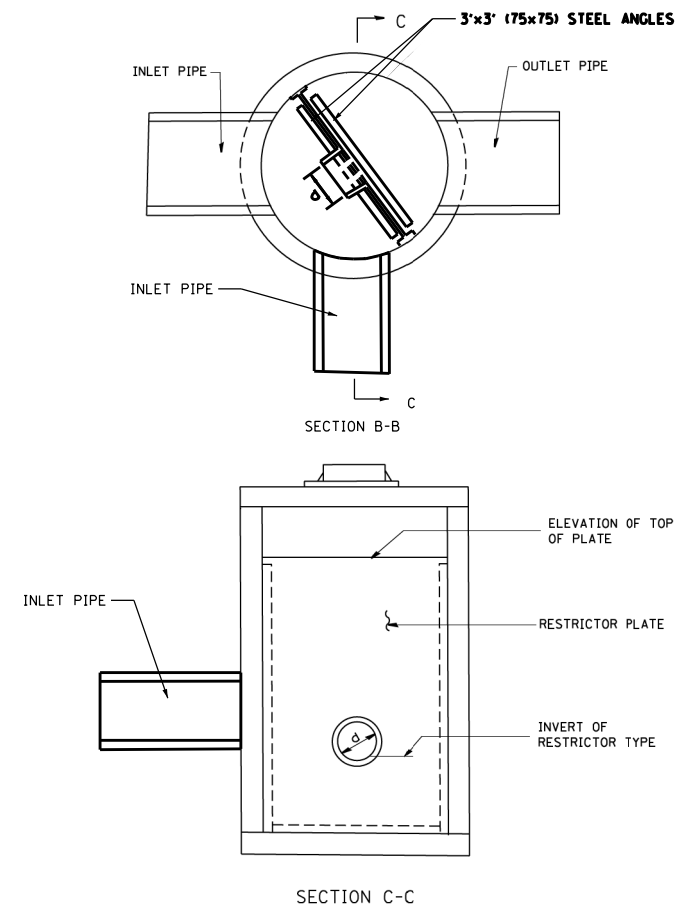
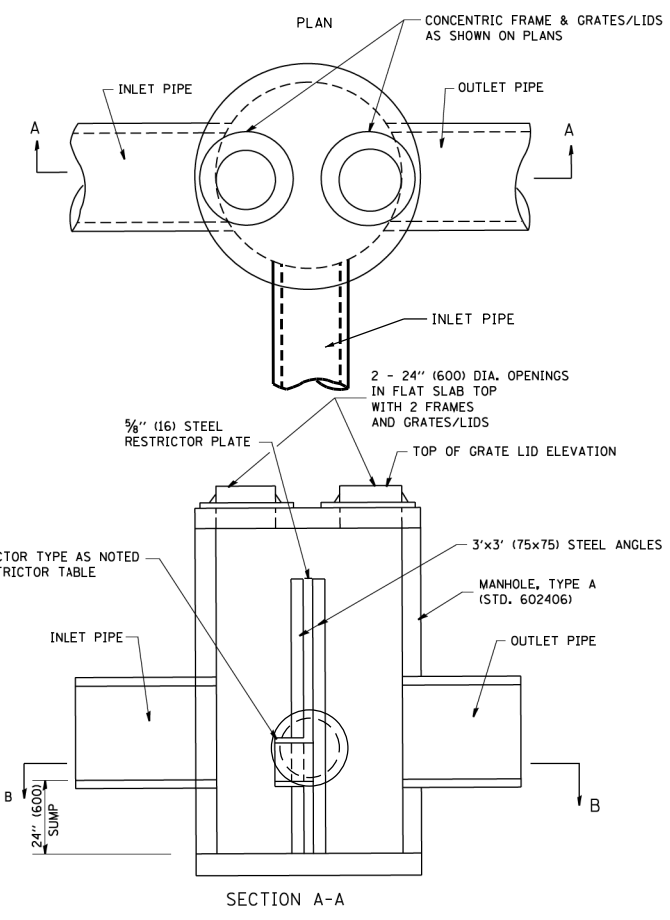
CULVERT #	FROM STR.	TO STR.	TYPE	LENGTH (FT)	DIAMETER (IN)	SLOPE (%)	UPSTREAM INV	DOWNSTREAM INV	CONTROLLED LOW STRENGTH MATERIAL (CU-YD)
CUL5	FE10	FE11	P CUL CL A 2 30	92	30	0.40%	685.50	685.13	51.1
CUL6	FE12	FE13	P CUL CL A 2 30	92	30	0.40%	685.50	685.13	51.1
CUL7	FE14	FE15	P CUL CL A 2 30	92	30	0.40%	685.50	685.13	51.1
CUL10	FE21	FE22	P CUL CL A 2 30	84	30	0.49%	685.86	685.45	46.7
CUL11	FE23	FE24	P CUL CL A 2 30	84	30	0.49%	685.86	685.45	46.7
CUL15	FE30	FE31	P CUL CL A 2 24	98	24	1.00%	697.00	696.02	54.4

STORM SEWER

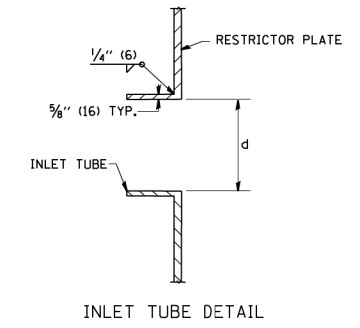
PIPE #	FROM STR.	TO STR.	TYPE	LENGTH (FT)	DIAMETER (IN)	SPAN (IN)	RISE (IN)	SLOPE (%)	CONTROLLED LOW STRENGTH MATERIAL (CU-YD)
CO59	MH6	MH7	STORM SEW CL A 2	128	30			1.00%	
CO60	MH7	MH8	STORM SEW CL A 2	30	36			1.00%	
CO61	MH8	MH9	STORM SEW CL A 2	145	36			1.00%	160.6
CO62	MH9	MH10	STORM SEW CL A 2	46	48			0.20%	
CO63	MH10	MH11	STORM SEW CL A 2	95	48			0.20%	
CO64	MH11	MH12	STORM SEW CL A 2	94	48			0.20%	
CO65	MH12	MH13	STORM SEW CL A 2	194	48			0.20%	
CO66	MH13	MH14	STORM SEW CL A 2	194	48			0.20%	
CO67	MH14	MH15	STORM SEW CL A 2	141	48			0.20%	
CO68	MH15	MH16	STORM SEW CL A 2	77	48			0.20%	
CO69	MH16	MH17	STORM SEW CL A 2	94	48			0.20%	
CO70	MH17	MH18	STORM SEW CL A 2	135	48			0.20%	
CO71	MH18	MH19	STORM SEW CL A 2	114	48			0.20%	42.2
CO72	MH19	MH20	STORM SEW CL A 2	75	48			0.20%	27.6
CO73	MH20	MH21	STORM SEW CL A 2	135	48			0.20%	49.9
CO74	MH21	MH22	STORM SEW CL A 2	44	48			0.20%	
CO75	MH22	MH23	STORM SEW CL A 2	119	48			0.20%	
CO76	MH23	MH24	STORM SEW CL A 2	183	48			0.20%	
CO77	MH24	MH25	STORM SEW CL A 2	184	54			0.15%	
CO78	MH25	MH26	SS CL A 1 EQRS 54	123		68	43	0.15%	
CO80	MH27	MH28	STORM SEW CL A 2	125	60			0.15%	
CO81	MH28	MH29	STORM SEW CL A 2	163	60			0.15%	
CO82	MH29	FE26	STORM SEW CL A 2	52	60			0.17%	
CO82A	ST54	FE20	STORM SEW CL A 2	33	12			1.79%	
CO83	ST55	ST56	STORM SEW CL A 2	81	12			0.50%	30.1
CO84	ST56	ST59	STORM SEW CL A 2	51	12			0.50%	18.7
CO85	ST57	ST58	STORM SEW CL A 2	23	12			0.50%	
CO86	ST58	ST59	STORM SEW CL A 2	12	12			0.50%	4.3
CO87	ST59	ST61	STORM SEW CL A 2	78	18			0.50%	29.0
CO88	ST60	ST61	STORM SEW CL A 2	51	12			0.50%	18.7
CO89	ST61	ST62	STORM SEW CL A 2	11	24			0.50%	
CO90	ST62	ST63	STORM SEW CL A 2	61	24			0.50%	22.6
CO91	ST63	MH31	STORM SEW CL A 2	31	24			0.50%	
CO92	MH31	ST18	STORM SEW CL A 2	21	36			0.50%	
CO93	ST64	ST65	STORM SEW CL A 2	71	12			0.50%	26.3
CO94	ST65	MH32	STORM SEW CL A 2	7	12			0.50%	
CO95	ST66	ST67	STORM SEW CL A 2	76	12			0.50%	28.1
CO96	ST67	MH33	STORM SEW CL A 2	4	12			0.50%	
CO97	ST68	ST69	STORM SEW CL A 2	76	12			0.50%	28.2
CO98	ST69	MH34	STORM SEW CL A 2	6	12			0.50%	
CO99	ST70	ST71	STORM SEW CL A 2	90	12			0.50%	33.1
CO100	ST71	MH35	STORM SEW CL A 2	5	12			0.50%	
CO101	FE9	MH32	STORM SEW CL A 2	11	42			1.10%	
CO102	MH32	MH33	STORM SEW CL A 2	79	42			0.50%	
CO103	MH33	MH34	STORM SEW CL A 2	84	42			0.50%	
CO104	MH34	MH35	STORM SEW CL A 2	89	42			0.50%	
CO105	MH35	MH9	STORM SEW CL A 2	42	42			0.50%	
CO1L	FE40	MH1L	STORM SEW CL A 2	41	24			0.10%	
CO2L	MH1L	MH6L	STORM SEW CL A 2	13	24			0.08%	
CO3L	MH6L	MH2L	STORM SEW CL A 2	250	24			0.06%	
CO4L	FE41	MH2L	STORM SEW CL A 2	25	15			1.00%	
CO5L	MH2L	MH3L	STORM SEW CL A 2	200	24			0.05%	
CO6L	FE42	MH3L	STORM SEW CL A 2	25	15			1.00%	
CO7L	MH3L	MH4L	STORM SEW CL A 2	200	24			0.05%	
CO8L	FE43	MH4L	STORM SEW CL A 2	29	15			0.86%	
CO9L	MH4L	MH5L	STORM SEW CL A 2	175	24			0.05%	
CO10L	FE44	MH5L	STORM SEW CL A 2	36	15			0.25%	
CO11L	MH5L	FE45	STORM SEW CL A 2	220	24			0.05%	

METAL PIPE CULVERTS WITH GRANULAR TRENCH BACKFILL

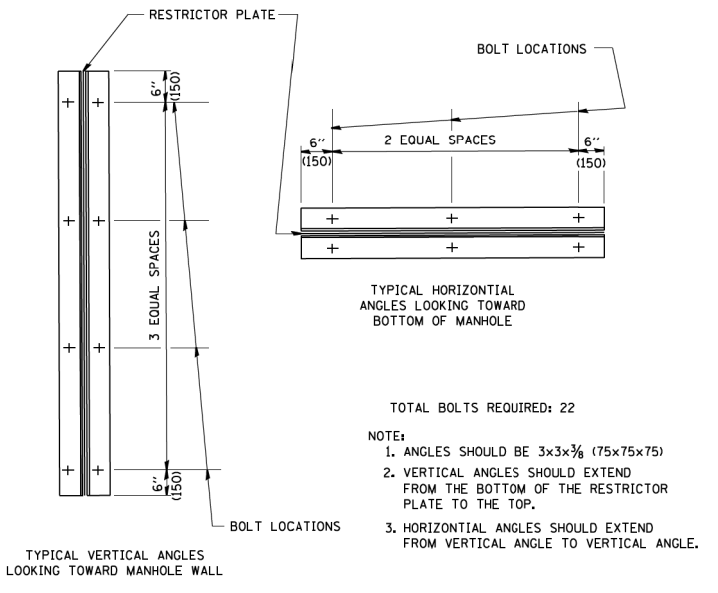
CULVERT #	FROM STR.	TO STR.	TYPE	LENGTH (FT)	DIAMETER (IN)	SLOPE (%)	UPSTREAM INV	DOWNSTREAM INV	GRANULAR TRENCH BACKFILL (CU-YD)
CUL1	FE1	FE2	P CUL CL D 1 15	35	15	1.14%	696.70	696.30	5.2
CUL2	FE3	FE4	P CUL CL D 1 24	50	24	1.00%	686.80	686.30	7.4
CUL3	FE5	FE6	P CUL CL D 1 24	53	24	0.75%	685.60	685.20	7.9
CUL4	FE7	FE8	P CUL CL D 1 24	53	24	0.57%	683.80	683.50	7.9
CUL8	FE17	FE16	P CUL CL D 1 18	55	18	0.36%	689.00	688.80	8.1
CUL9	FE19	FE18	P CUL CL D 1 15	55	15	0.22%	689.10	688.98	8.1
CUL12	FE51	FE50	P CUL CL D 1 15	53	15	0.87%	690.90	690.44	7.9
CUL13	FE54	FE55	P CUL CL D 1 15	59	15	0.75%	691.07	690.63	8.7
CUL14	FE52	FE53	P CUL CL D 1 15	59	15	0.73%	691.65	691.22	8.7



- NOTES:
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
 2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
 3. BASIS OF PAYMENT: "MANHOLES, TYPE A, 6 FT. (1.8 m)-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER in. (mm) (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
1161+91	6'	TY 1, OL	2	24"	675.91	681.00



RESTRICTOR TYPE					
1	2	3	4	5	6
RE-ENTRANT TUBE	SHARP EDGED	SQUARE EDGED	RE-ENTRANT TUBE	SQUARE EDGED	ROUNDED
LENGTH: 1/2 TO 1 DIA.		STREAM CLEARS SIDES	LENGTH: 2-1/2 DIA.	LENGTH: 2-1/2 DIA.	
C=.52	C=.61	C=.61	C=.73	C=.82	C=.98

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

- TOTAL BOLTS REQUIRED: 22
- NOTE:
1. ANGLES SHOULD BE 3x3x3/8 (75x75x75)
 2. VERTICAL ANGLES SHOULD EXTEND FROM THE BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
 3. HORIZONTAL ANGLES SHOULD EXTEND FROM VERTICAL ANGLE TO VERTICAL ANGLE.

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

FILE NAME = W:\diststd\22x34\bd12.dgn	USER NAME = geglienobt	DESIGNED - R. SHAH	REVISED - R. SHAH 10-25-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MANHOLE WITH RESTRICTOR PLATE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
PLOT SCALE = 50.0000' / IN.	PLOT DATE = 1/4/2008	DRAWN -	REVISED - E. GOMEZ 08-28-00			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	BD600-04 (BD-12) CONTRACT NO.			
		CHECKED -	REVISED - M. GOMEZ 01-08-01			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						
		DATE - 09-09-94	REVISED -									

FILE NAME = P:\projects\13003\000\CADD_Sheets\401-684-sht-Drainage-Details.dgn	USER NAME = mohammed.oi	DESIGNED JDW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE DETAILS MANHOLE WITH RESTRICTOR PLATE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
PLOT SCALE = 100.0000' / IN.	PLOT DATE = 4/12/2021	DRAWN JDW	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.	369 08-00138-28-TL WILL 156 66 CONTRACT NO. 61889			
		CHECKED RCH	REVISED -			ILLINOIS FED. AID PROJECT						
		DATE 3/31/21	REVISED -									

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 TO THE OUTSIDE.

STEPS SHALL BE OMITTED FOR WORK IN COOK COUNTY WHEN THE DEPTH OF THE MANHOLE IS TEN (10') OR LESS.

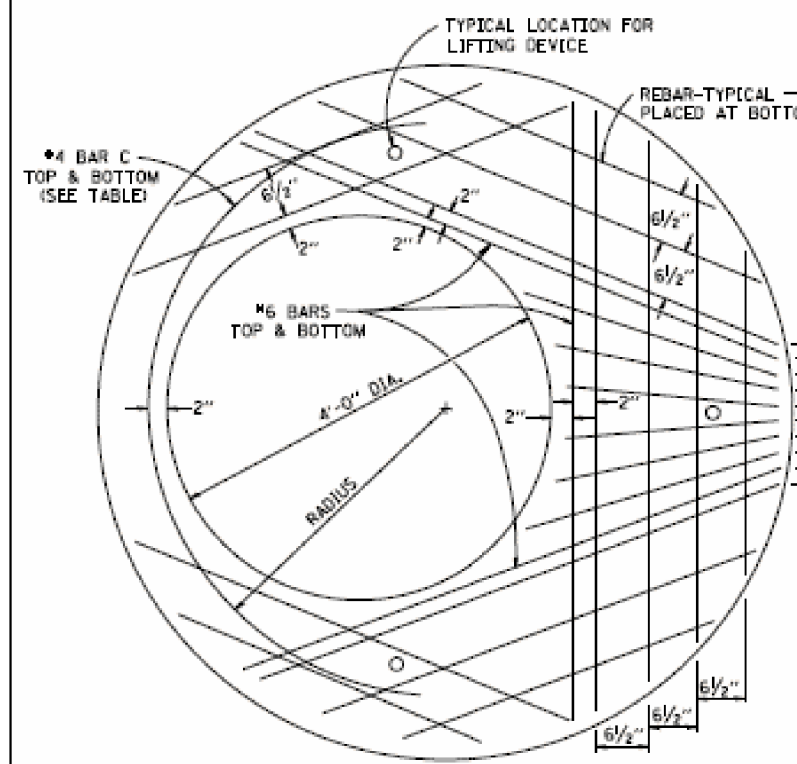
IN ADDITION TO THE REQUIREMENTS OF ARTICLE 612.13 OF THE STANDARD SPECIFICATIONS, THE CONTRACT UNIT PRICE FOR MANHOLES, TYPE A, 7'-DIAMETER SHALL INCLUDE THE SAND CUSHION WHEN REQUIRED, FURNISHING AND INSTALLING STEPS WHEN REQUIRED, FURNISHING AND COMPACTING THE SPECIFIED BACKFILL MATERIAL, AND FURNISHING 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.

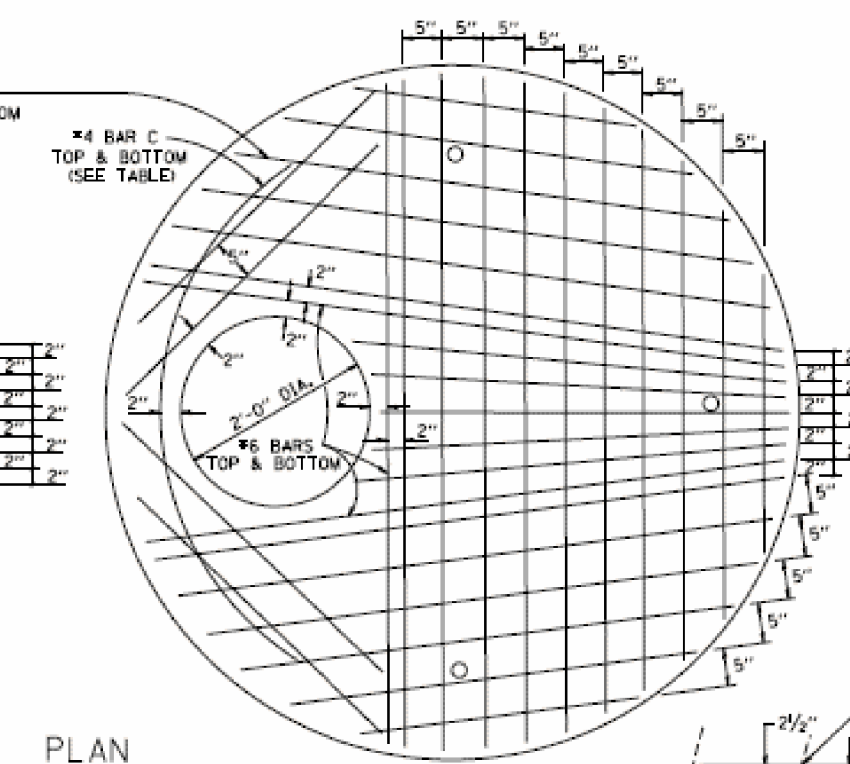
BOTTOM SLAB SHALL BE REINFORCED BY EITHER REINFORCEMENT BARS OR WELDED WIRE FABRIC. THE MINIMUM REINFORCEMENT SHALL BE 0.46 SQUARE INCH PER LINEAR FOOT IN BOTH DIRECTIONS.

JOINT CONFIGURATION AND DIMENSIONS OF FLAT SLAB TOP SHALL MATCH AND FIT THE RISER DETAIL.

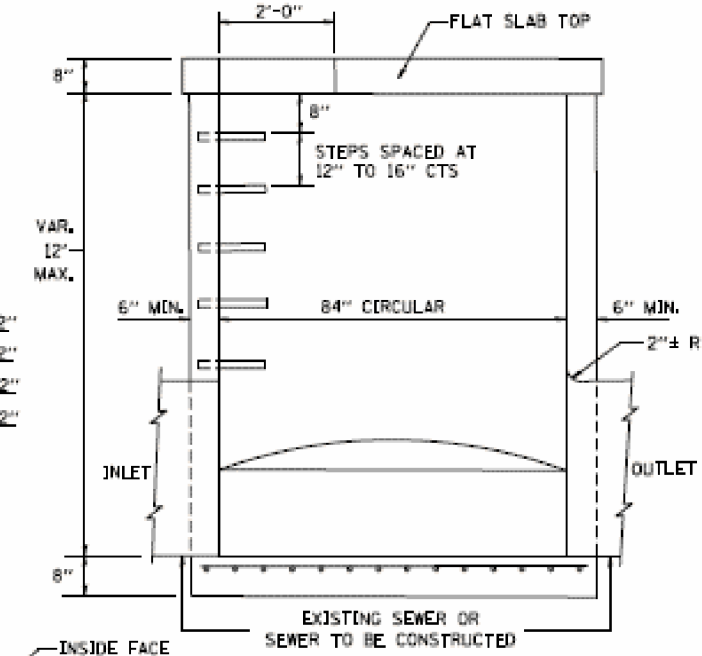
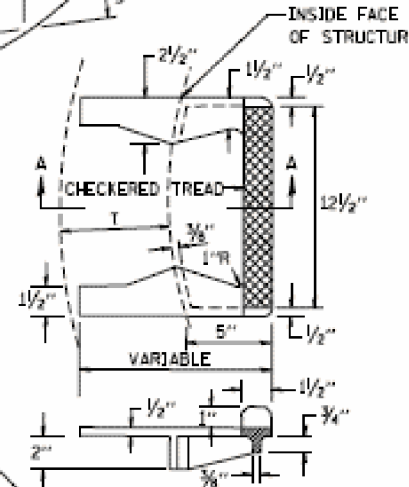
LIFTING DEVICES SHALL BE APPROVED BY THE ENGINEER.



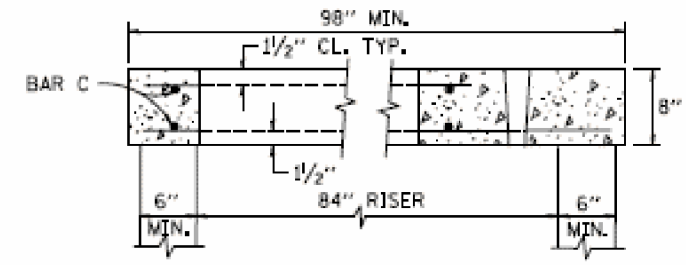
PLAN
SHOWING REBAR REINFORCEMENT



SEC. A-A
CAST IRON STEPS

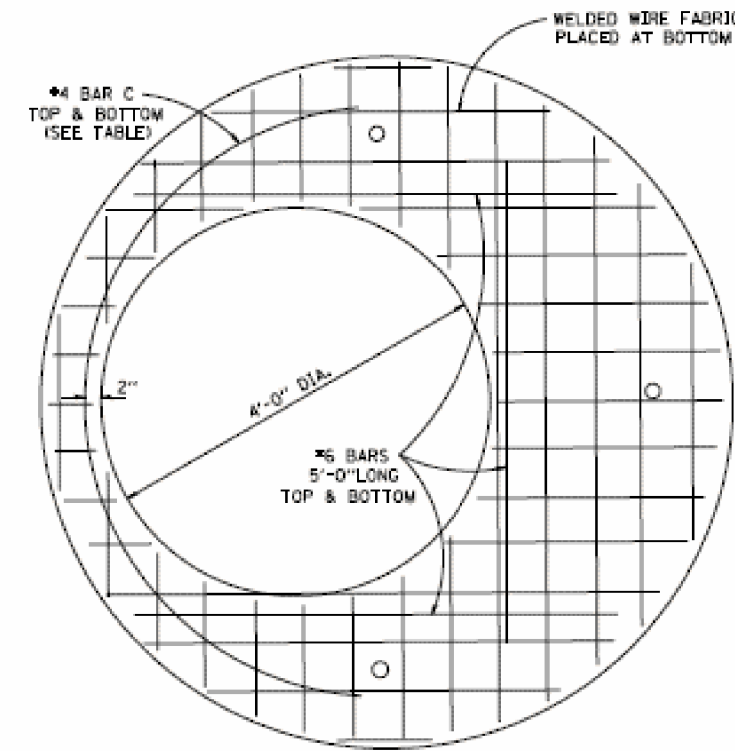


ELEVATION

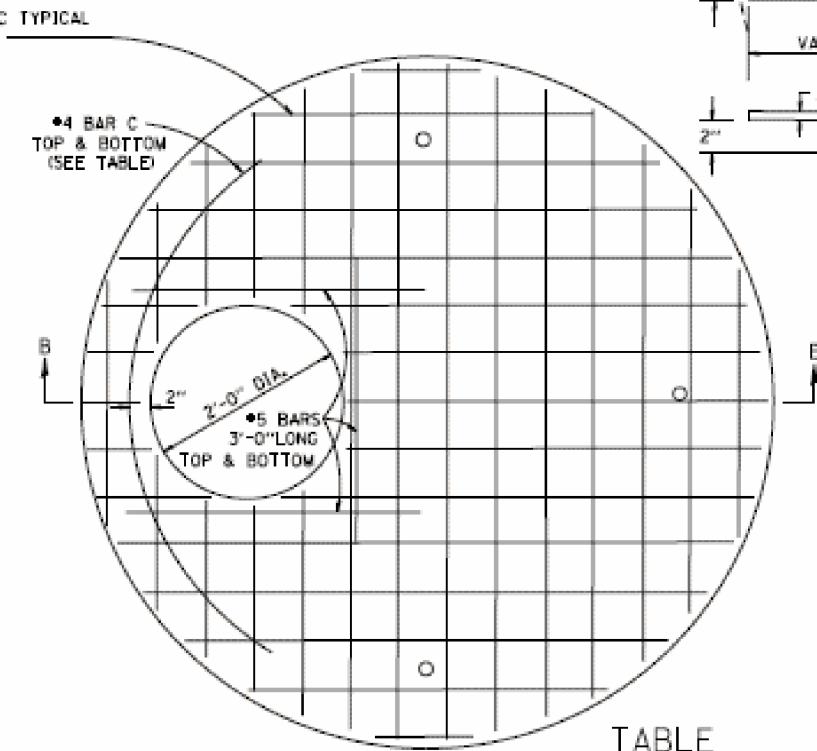


SECTION B-B

ALTERNATE MATERIALS FOR RISERS	(MIN.)
CONCRETE MASONRY UNITS	5"
PRECAST REINFORCED CONCRETE SECTIONS	4"
CAST-IN-PLACE CONCRETE	6"



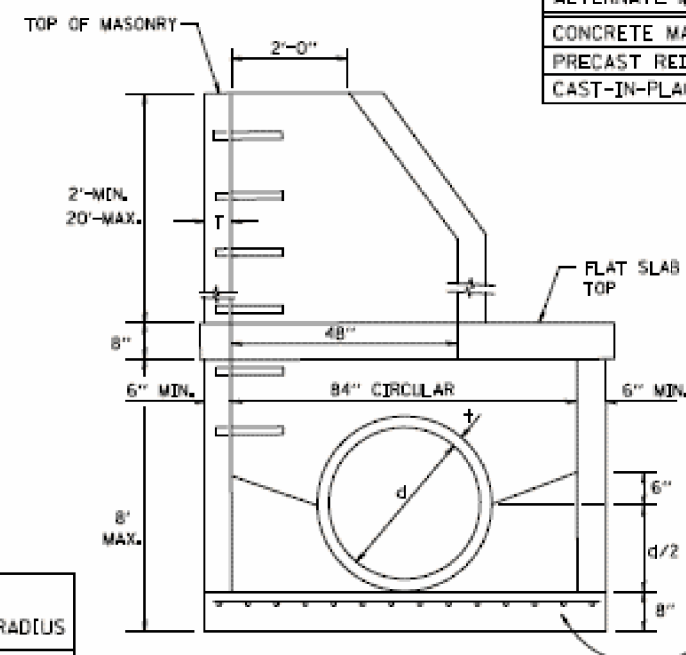
PLAN
SHOWING WELDED WIRE FABRIC REINFORCEMENT



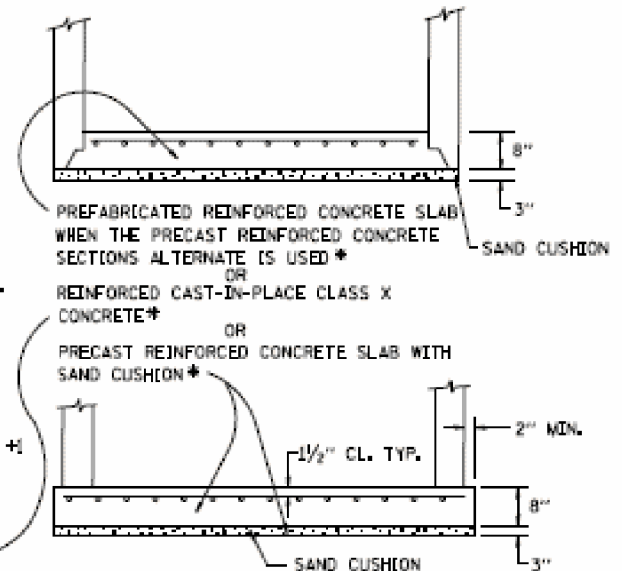
TABLE

DIAMETER OF OPENING	REINFORCEMENT "A" WWF EACH DIRECTION	BAR OR SIZE	BAR C		
			SIZE	LENGTH	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"

NOTE: THIS STRUCTURE SHOULD BE USED WITH PIPES SIZE 54" DIA. OR SMALLER.



ELEVATION



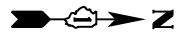
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	PLOT SCALE = 100.0000' / 1"	CHECKED : RCH	REVISED : -
\$MODELNAME\$	PLOT DATE = 4/12/2021	DATE : 3/31/21	REVISED : -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

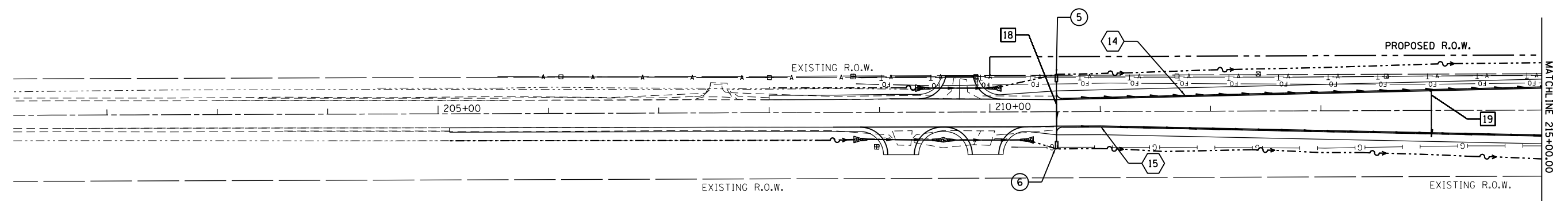
MANHOLE TYPE A
7 FOOT DIAMETER

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	67
CONTRACT NO. 61889				
ILLINOIS FED. AID PROJECT				

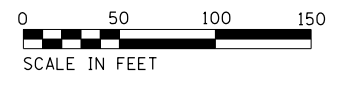


CEDAR ROAD



LEGEND

PROPOSED HEADWALL	▬	□	PIPE UNDERDRAIN, SPECIAL
PROPOSED PIPE UNDERDRAIN	—	○	PIPE UNDERDRAIN, TYPE 1
DITCH FLOW	~	○	HEADWALL STRUCTURE
PROPOSED DRAINAGE DITCH	- - -		
PROPOSED STORM SEWER	→		



HEADWALL STRUCTURES

STR. NUMBER	STATION	ALIGNMENT	OFFSET	INVERT ELEVATION	STRUCTURE DATA
01	1170+53	Laraway Road	54.12' LT.	686.00	CONCRETE HEADWALL FOR PIPE DRAINS
02	1170+53	Laraway Road	49.22' RT	687.25	CONCRETE HEADWALL FOR PIPE DRAINS
03	1190+73	Laraway Road	70.36' LT	693	CONCRETE HEADWALL FOR PIPE DRAINS
04	1195+75	Laraway Road	55.54' LT	699	CONCRETE HEADWALL FOR PIPE DRAINS
05	0210+60	Cedar Road	26.85' LT	690.5	CONCRETE HEADWALL FOR PIPE DRAINS
06	0210+60	Cedar Road	26.69' RT	691	CONCRETE HEADWALL FOR PIPE DRAINS
07	0215+61	Cedar Road	36.43' LT	688.5	CONCRETE HEADWALL FOR PIPE DRAINS
08	0215+61	Cedar Road	39.22' RT	688.75	CONCRETE HEADWALL FOR PIPE DRAINS
09	0217+29	Cedar Road	50.77' LT	688	CONCRETE HEADWALL FOR PIPE DRAINS
10	0217+29	Cedar Road	45.41' LT	688	CONCRETE HEADWALL FOR PIPE DRAINS
11	0217+45	Cedar Road	38.29' LT	688	CONCRETE HEADWALL FOR PIPE DRAINS
12	0217+45	Cedar Road	45.60' RT	688	CONCRETE HEADWALL FOR PIPE DRAINS
13	0229+89	Cedar Road	34.55' LT	689	CONCRETE HEADWALL FOR PIPE DRAINS
14	0229+89	Cedar Road	56.43' RT	690	CONCRETE HEADWALL FOR PIPE DRAINS
15	0230+11	Cedar Road	34.55' LT	689	CONCRETE HEADWALL FOR PIPE DRAINS
16	0230+11	Cedar Road	56.43' RT	690	CONCRETE HEADWALL FOR PIPE DRAINS
17	0234+75	Cedar Road	37.41' LT	690	CONCRETE HEADWALL FOR PIPE DRAINS
18	0234+75	Cedar Road	39.93' RT	691	CONCRETE HEADWALL FOR PIPE DRAINS
19	0239+75	Cedar Road	23.15' LT	691.5	CONCRETE HEADWALL FOR PIPE DRAINS
20	0239+75	Cedar Road	24.89' RT	691.5	CONCRETE HEADWALL FOR PIPE DRAINS

PIPE UNDERDRAIN

PIPE #	TYPE	LENGTH (FT)	DIAMETER (IN)
01	PIPE UNDERDRAINS, TYPE 1	463.0	4
02	PIPE UNDERDRAINS, TYPE 1	463.0	4
03	PIPE UNDERDRAINS, TYPE 1	526.0	4
04	PIPE UNDERDRAINS, TYPE 1	500.0	4
05	PIPE UNDERDRAINS, TYPE 1	502.0	4
06	PIPE UNDERDRAINS, TYPE 1	500.0	4
07	PIPE UNDERDRAINS, TYPE 1	478.0	4
08	PIPE UNDERDRAINS, TYPE 1	308.0	4
09	PIPE UNDERDRAINS, TYPE 1	548.0	4
10	PIPE UNDERDRAINS, TYPE 1	437.0	4
11	PIPE UNDERDRAINS, TYPE 1	500.0	4
12	PIPE UNDERDRAINS, TYPE 1	995.0	4
13	PIPE UNDERDRAINS, TYPE 1	400.0	4
14	PIPE UNDERDRAINS, TYPE 1	500.0	4
15	PIPE UNDERDRAINS, TYPE 1	500.0	4
16	PIPE UNDERDRAINS, TYPE 1	500.0	4
17	PIPE UNDERDRAINS, TYPE 1	500.0	4
18	PIPE UNDERDRAINS, TYPE 1	464.0	4
19	PIPE UNDERDRAINS, TYPE 1	465.0	4
20	PIPE UNDERDRAINS, TYPE 1	490.0	4
21	PIPE UNDERDRAINS, TYPE 1	490.0	4

PIPE UNDERDRAIN, SPECIAL

STATION	PIPE #	TYPE	LENGTH (FT)	DIAMETER (IN)	SLOPE (%)
1170+53	01	PIPE UNDERDRAINS, SPECIAL	80.0	4	2.0%
117453	02	PIPE UNDERDRAINS, SPECIAL	68.0	4	2.0%
1176+15	03	PIPE UNDERDRAINS, SPECIAL	80.0	4	2.0%
1176+25	04	PIPE UNDERDRAINS, SPECIAL	80.0	4	2.0%
1177+53	05	PIPE UNDERDRAINS, SPECIAL	69.0	4	2.0%
1180+53	06	PIPE UNDERDRAINS, SPECIAL	81.0	4	2.0%
-	07	-	-	-	-
1183+53	08	PIPE UNDERDRAINS, SPECIAL	83.0	4	2.0%
-	09	-	-	-	-
1185+53	10	PIPE UNDERDRAINS, SPECIAL	95.0	4	2.0%
1190+73	11	PIPE UNDERDRAINS, SPECIAL	14.0	4	2.0%
1191+73	12	PIPE UNDERDRAINS, SPECIAL	92.0	4	2.0%
1194+73	13	PIPE UNDERDRAINS, SPECIAL	82.0	4	2.0%
1195+75	14	PIPE UNDERDRAINS, SPECIAL	12.0	4	2.0%
1197+73	15	PIPE UNDERDRAINS, SPECIAL	82.0	4	2.0%
-	16	-	-	-	-
1200+73	17	PIPE UNDERDRAINS, SPECIAL	75.0	4	2.0%
210+60	18	PIPE UNDERDRAINS, SPECIAL	55.0	4	2.0%
214+00	19	PIPE UNDERDRAINS, SPECIAL	40.0	4	2.0%
215+61	20	PIPE UNDERDRAINS, SPECIAL	10.0	4	2.0%
215+61	21	PIPE UNDERDRAINS, SPECIAL	10.0	4	2.0%
217+00	22	PIPE UNDERDRAINS, SPECIAL	20.0	4	2.0%
217+29	23	PIPE UNDERDRAINS, SPECIAL	21.0	4	2.0%
217+29	24	PIPE UNDERDRAINS, SPECIAL	13.0	4	2.0%
217+45	25	PIPE UNDERDRAINS, SPECIAL	8.0	4	2.0%
217+45	26	PIPE UNDERDRAINS, SPECIAL	13.0	4	2.0%
220+00	27	PIPE UNDERDRAINS, SPECIAL	66.0	4	2.0%
223+00	28	PIPE UNDERDRAINS, SPECIAL	78.0	4	2.0%
229+00	29	PIPE UNDERDRAINS, SPECIAL	75.0	4	2.0%
229+89	30	PIPE UNDERDRAINS, SPECIAL	7.0	4	2.0%
229+89	31	PIPE UNDERDRAINS, SPECIAL	10.0	4	2.0%
230+11	32	PIPE UNDERDRAINS, SPECIAL	7.0	4	2.0%
230+11	33	PIPE UNDERDRAINS, SPECIAL	10.0	4	2.0%
232+00	34	PIPE UNDERDRAINS, SPECIAL	59.0	4	2.0%
234+75	35	PIPE UNDERDRAINS, SPECIAL	10.0	4	2.0%
234+75	36	PIPE UNDERDRAINS, SPECIAL	13.0	4	2.0%
235+00	37	PIPE UNDERDRAINS, SPECIAL	45.0	4	2.0%
238+00	38	PIPE UNDERDRAINS, SPECIAL	33.0	4	2.0%
239+75	39	PIPE UNDERDRAINS, SPECIAL	60.0	4	2.0%

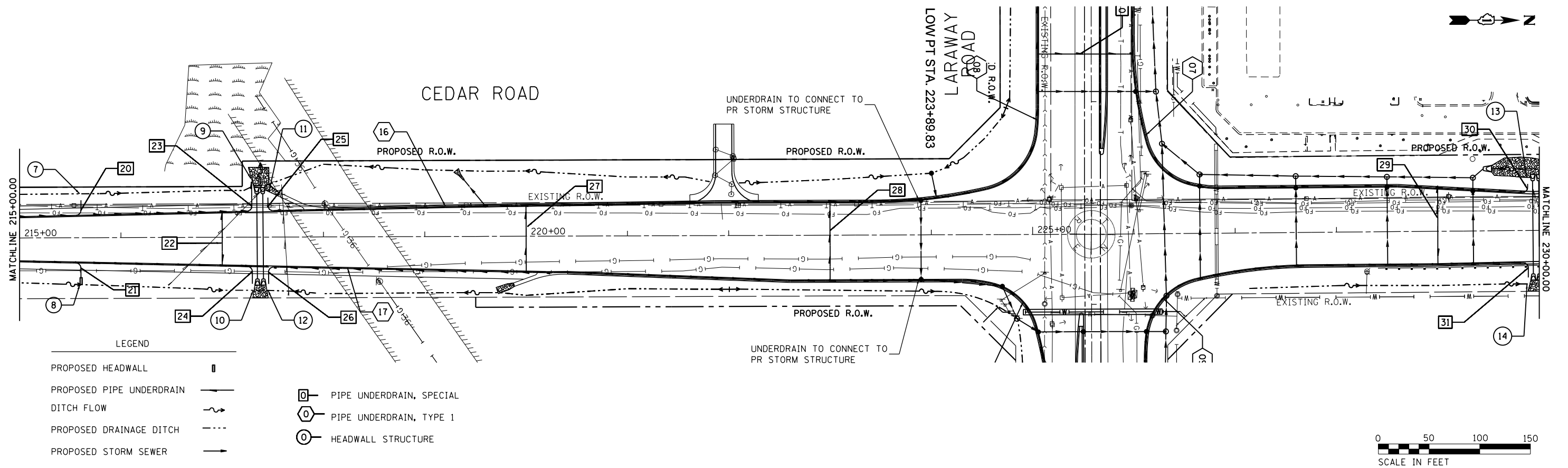
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#MODELNAME#	PLOT DATE = 4/12/2021	DATE 3/31/21	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PIPE UNDERDRAINS PLANS

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369		WILL	156	68
CONTRACT NO. 61B89				
ILLINOIS FED. AID PROJECT				



HEADWALL STRUCTURES

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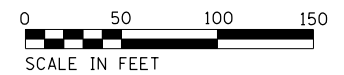
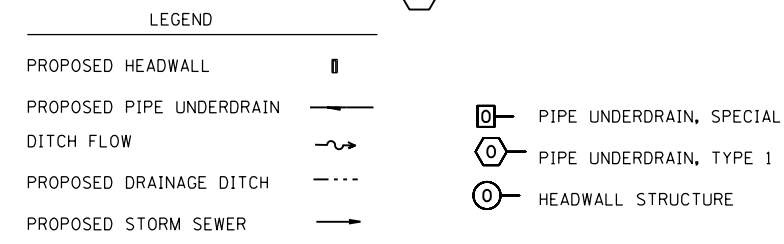
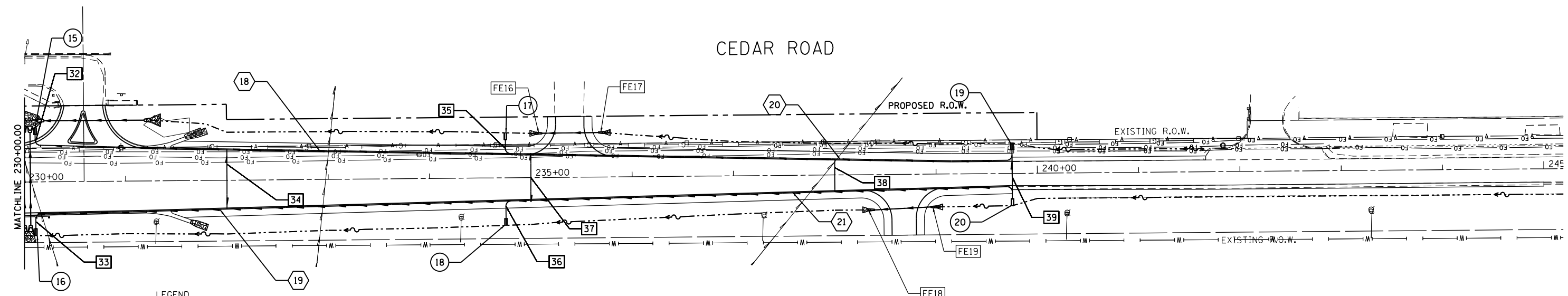
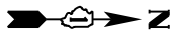
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#MODELNAME#	PLOT DATE = 4/12/2021	DATE 3/31/21	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PIPE UNDERDRAINS PLANS

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G89	



HEADWALL STRUCTURES

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05	0210+60	Cedar Road	26.85' LT	690.5	CONCRETE HEADWALL FOR PIPE DRAINS
06	0210+60	Cedar Road	26.69' RT	691	CONCRETE HEADWALL FOR PIPE DRAINS
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11	0217+45	Cedar Road	38.29' LT	688	CONCRETE HEADWALL FOR PIPE DRAINS
12	0217+45	Cedar Road	45.60' RT	688	CONCRETE HEADWALL FOR PIPE DRAINS
13	0229+89	Cedar Road	34.55' LT	689	CONCRETE HEADWALL FOR PIPE DRAINS
14	0229+89	Cedar Road	56.43' RT	690	CONCRETE HEADWALL FOR PIPE DRAINS
15	0230+11	Cedar Road	34.55' LT	689	CONCRETE HEADWALL FOR PIPE DRAINS
16	0230+11	Cedar Road	56.43' RT	690	CONCRETE HEADWALL FOR PIPE DRAINS
17	0234+75	Cedar Road	37.41' LT	690	CONCRETE HEADWALL FOR PIPE DRAINS
18	0234+75	Cedar Road	39.93' RT	691	CONCRETE HEADWALL FOR PIPE DRAINS
19	0239+75	Cedar Road	23.15' LT	691.5	CONCRETE HEADWALL FOR PIPE DRAINS
20	0239+75	Cedar Road	24.89' RT	691.5	CONCRETE HEADWALL FOR PIPE DRAINS

PIPE UNDERDRAIN

PIPE #	TYPE	LENGTH (FT)	DIAMETER (IN)
01	PIPE UNDERDRAINS, TYPE 1	463.0	4
02	PIPE UNDERDRAINS, TYPE 1	463.0	4
03	PIPE UNDERDRAINS, TYPE 1	526.0	4
04	PIPE UNDERDRAINS, TYPE 1	500.0	4
05	PIPE UNDERDRAINS, TYPE 1	502.0	4
06	PIPE UNDERDRAINS, TYPE 1	500.0	4
07	PIPE UNDERDRAINS, TYPE 1	478.0	4
08	PIPE UNDERDRAINS, TYPE 1	308.0	4
09	PIPE UNDERDRAINS, TYPE 1	548.0	4
10	PIPE UNDERDRAINS, TYPE 1	437.0	4
11	PIPE UNDERDRAINS, TYPE 1	500.0	4
12	PIPE UNDERDRAINS, TYPE 1	995.0	4
13	PIPE UNDERDRAINS, TYPE 1	400.0	4
14	PIPE UNDERDRAINS, TYPE 1	500.0	4
15	PIPE UNDERDRAINS, TYPE 1	500.0	4
16	PIPE UNDERDRAINS, TYPE 1	500.0	4
17	PIPE UNDERDRAINS, TYPE 1	500.0	4
18	PIPE UNDERDRAINS, TYPE 1	464.0	4
19	PIPE UNDERDRAINS, TYPE 1	465.0	4
20	PIPE UNDERDRAINS, TYPE 1	490.0	4
21	PIPE UNDERDRAINS, TYPE 1	490.0	4

PIPE UNDERDRAIN, SPECIAL

STATION	PIPE #	TYPE	LENGTH (FT)	DIAMETER (IN)	SLOPE (%)
1170+53	01	PIPE UNDERDRAINS, SPECIAL	80.0	4	2.0%
117453	02	PIPE UNDERDRAINS, SPECIAL	68.0	4	2.0%
1176+15	03	PIPE UNDERDRAINS, SPECIAL	80.0	4	2.0%
1176+25	04	PIPE UNDERDRAINS, SPECIAL	80.0	4	2.0%
1177+53	05	PIPE UNDERDRAINS, SPECIAL	69.0	4	2.0%
1180+53	06	PIPE UNDERDRAINS, SPECIAL	81.0	4	2.0%
-	07	-	-	-	-
1183+53	08	PIPE UNDERDRAINS, SPECIAL	83.0	4	2.0%
-	09	-	-	-	-
1185+53	10	PIPE UNDERDRAINS, SPECIAL	95.0	4	2.0%
1190+73	11	PIPE UNDERDRAINS, SPECIAL	14.0	4	2.0%
1191+73	12	PIPE UNDERDRAINS, SPECIAL	92.0	4	2.0%
1194+73	13	PIPE UNDERDRAINS, SPECIAL	82.0	4	2.0%
1195+75	14	PIPE UNDERDRAINS, SPECIAL	12.0	4	2.0%
1197+73	15	PIPE UNDERDRAINS, SPECIAL	82.0	4	2.0%
-	16	-	-	-	-
1200+73	17	PIPE UNDERDRAINS, SPECIAL	75.0	4	2.0%
210+60	18	PIPE UNDERDRAINS, SPECIAL	55.0	4	2.0%
214+00	19	PIPE UNDERDRAINS, SPECIAL	40.0	4	2.0%
215+61	20	PIPE UNDERDRAINS, SPECIAL	10.0	4	2.0%
215+61	21	PIPE UNDERDRAINS, SPECIAL	10.0	4	2.0%
217+00	22	PIPE UNDERDRAINS, SPECIAL	20.0	4	2.0%
217+29	23	PIPE UNDERDRAINS, SPECIAL	21.0	4	2.0%
217+29	24	PIPE UNDERDRAINS, SPECIAL	13.0	4	2.0%
217+45	25	PIPE UNDERDRAINS, SPECIAL	8.0	4	2.0%
217+45	26	PIPE UNDERDRAINS, SPECIAL	13.0	4	2.0%
220+00	27	PIPE UNDERDRAINS, SPECIAL	66.0	4	2.0%
223+00	28	PIPE UNDERDRAINS, SPECIAL	78.0	4	2.0%
229+00	29	PIPE UNDERDRAINS, SPECIAL	75.0	4	2.0%
229+89	30	PIPE UNDERDRAINS, SPECIAL	7.0	4	2.0%
229+89	31	PIPE UNDERDRAINS, SPECIAL	10.0	4	2.0%
230+11	32	PIPE UNDERDRAINS, SPECIAL	7.0	4	2.0%
230+11	33	PIPE UNDERDRAINS, SPECIAL	10.0	4	2.0%
232+00	34	PIPE UNDERDRAINS, SPECIAL	59.0	4	2.0%
234+75	35	PIPE UNDERDRAINS, SPECIAL	10.0	4	2.0%
234+75	36	PIPE UNDERDRAINS, SPECIAL	13.0	4	2.0%
235+00	37	PIPE UNDERDRAINS, SPECIAL	45.0	4	2.0%
238+00	38	PIPE UNDERDRAINS, SPECIAL	33.0	4	2.0%
239+75	39	PIPE UNDERDRAINS, SPECIAL	60.0	4	2.0%

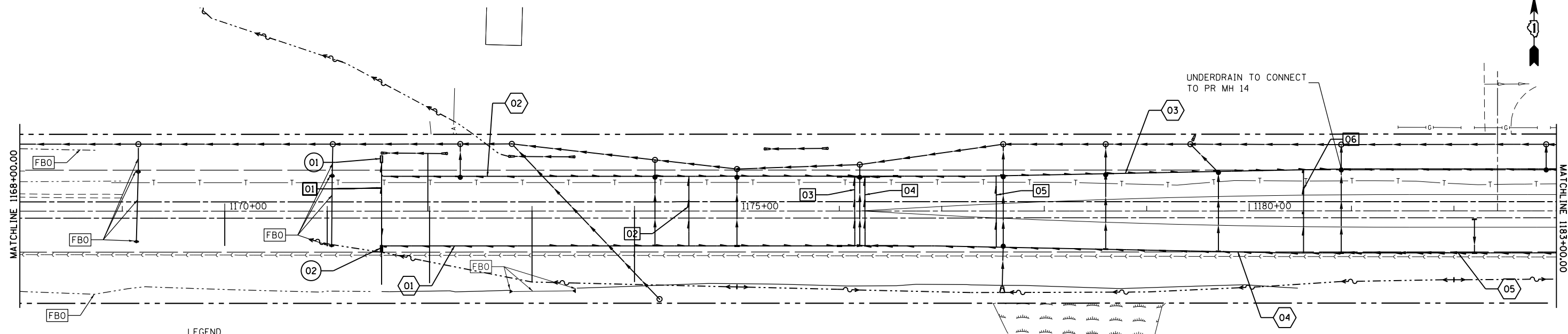
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	PLOT SCALE = 100.0000' / 1"	CHECKED RCH	REVISED -
#MODELNAME#	PLOT DATE = 4/12/2021	DATE 3/31/21	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIPE UNDERDRAINS PLANS

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369		WILL	156	70
CONTRACT NO. 61G89			ILLINOIS FED. AID PROJECT	



LEGEND

PROPOSED HEADWALL	▬	01	PIPE UNDERDRAIN, SPECIAL
PROPOSED PIPE UNDERDRAIN	▬	02	PIPE UNDERDRAIN, TYPE 1
DITCH FLOW	~>	03	HEADWALL STRUCTURE
PROPOSED DRAINAGE DITCH	- - -		
PROPOSED STORM SEWER	▬		



HEADWALL STRUCTURES

STR. NUMBER	STATION	ALIGNMENT	OFFSET	INVERT ELEVATION	STRUCTURE DATA
01	1170+53	Laraway Road	54.12' LT.	686.00	CONCRETE HEADWALL FOR PIPE DRAINS
02	1170+53	Laraway Road	49.22' RT	687.25	CONCRETE HEADWALL FOR PIPE DRAINS
03	1190+73	Laraway Road	70.36' LT	693	CONCRETE HEADWALL FOR PIPE DRAINS
04	1195+75	Laraway Road	55.54' LT	699	CONCRETE HEADWALL FOR PIPE DRAINS
05	0210+60	Cedar Road	26.85' LT	690.5	CONCRETE HEADWALL FOR PIPE DRAINS
06	0210+60	Cedar Road	26.69' RT	691	CONCRETE HEADWALL FOR PIPE DRAINS
07	0215+61	Cedar Road	36.43' LT	688.5	CONCRETE HEADWALL FOR PIPE DRAINS
08	0215+61	Cedar Road	39.22' RT	688.75	CONCRETE HEADWALL FOR PIPE DRAINS
09	0217+29	Cedar Road	50.77' LT	688	CONCRETE HEADWALL FOR PIPE DRAINS
10	0217+29	Cedar Road	45.41' LT	688	CONCRETE HEADWALL FOR PIPE DRAINS
11	0217+45	Cedar Road	38.29' LT	688	CONCRETE HEADWALL FOR PIPE DRAINS
12	0217+45	Cedar Road	45.60' RT	688	CONCRETE HEADWALL FOR PIPE DRAINS
13	0229+89	Cedar Road	34.55' LT	689	CONCRETE HEADWALL FOR PIPE DRAINS
14	0229+89	Cedar Road	56.43' RT	690	CONCRETE HEADWALL FOR PIPE DRAINS
15	0230+11	Cedar Road	34.55' LT	689	CONCRETE HEADWALL FOR PIPE DRAINS
16	0230+11	Cedar Road	56.43' RT	690	CONCRETE HEADWALL FOR PIPE DRAINS
17	0234+75	Cedar Road	37.41' LT	690	CONCRETE HEADWALL FOR PIPE DRAINS
18	0234+75	Cedar Road	39.93' RT	691	CONCRETE HEADWALL FOR PIPE DRAINS
19	0239+75	Cedar Road	23.15' LT	691.5	CONCRETE HEADWALL FOR PIPE DRAINS
20	0239+75	Cedar Road	24.89' RT	691.5	CONCRETE HEADWALL FOR PIPE DRAINS

PIPE UNDERDRAIN

PIPE #	TYPE	LENGTH (FT)	DIAMETER (IN)
01	PIPE UNDERDRAINS, TYPE 1	463.0	4
02	PIPE UNDERDRAINS, TYPE 1	463.0	4
03	PIPE UNDERDRAINS, TYPE 1	526.0	4
04	PIPE UNDERDRAINS, TYPE 1	500.0	4
05	PIPE UNDERDRAINS, TYPE 1	502.0	4
06	PIPE UNDERDRAINS, TYPE 1	500.0	4
07	PIPE UNDERDRAINS, TYPE 1	478.0	4
08	PIPE UNDERDRAINS, TYPE 1	308.0	4
09	PIPE UNDERDRAINS, TYPE 1	548.0	4
10	PIPE UNDERDRAINS, TYPE 1	437.0	4
11	PIPE UNDERDRAINS, TYPE 1	500.0	4
12	PIPE UNDERDRAINS, TYPE 1	995.0	4
13	PIPE UNDERDRAINS, TYPE 1	400.0	4
14	PIPE UNDERDRAINS, TYPE 1	500.0	4
15	PIPE UNDERDRAINS, TYPE 1	500.0	4
16	PIPE UNDERDRAINS, TYPE 1	500.0	4
17	PIPE UNDERDRAINS, TYPE 1	500.0	4
18	PIPE UNDERDRAINS, TYPE 1	464.0	4
19	PIPE UNDERDRAINS, TYPE 1	465.0	4
20	PIPE UNDERDRAINS, TYPE 1	490.0	4
21	PIPE UNDERDRAINS, TYPE 1	490.0	4

PIPE UNDERDRAIN, SPECIAL

STATION	PIPE #	TYPE	LENGTH (FT)	DIAMETER (IN)	SLOPE (%)
1170+53	01	PIPE UNDERDRAINS, SPECIAL	80.0	4	2.0%
117453	02	PIPE UNDERDRAINS, SPECIAL	68.0	4	2.0%
1176+15	03	PIPE UNDERDRAINS, SPECIAL	80.0	4	2.0%
1176+25	04	PIPE UNDERDRAINS, SPECIAL	80.0	4	2.0%
1177+53	05	PIPE UNDERDRAINS, SPECIAL	69.0	4	2.0%
1180+53	06	PIPE UNDERDRAINS, SPECIAL	81.0	4	2.0%
-	07	-	-	-	-
1183+53	08	PIPE UNDERDRAINS, SPECIAL	83.0	4	2.0%
-	09	-	-	-	-
1185+53	10	PIPE UNDERDRAINS, SPECIAL	95.0	4	2.0%
1190+73	11	PIPE UNDERDRAINS, SPECIAL	14.0	4	2.0%
1191+73	12	PIPE UNDERDRAINS, SPECIAL	92.0	4	2.0%
1194+73	13	PIPE UNDERDRAINS, SPECIAL	82.0	4	2.0%
1195+75	14	PIPE UNDERDRAINS, SPECIAL	12.0	4	2.0%
1197+73	15	PIPE UNDERDRAINS, SPECIAL	82.0	4	2.0%
-	16	-	-	-	-
1200+73	17	PIPE UNDERDRAINS, SPECIAL	75.0	4	2.0%
210+60	18	PIPE UNDERDRAINS, SPECIAL	55.0	4	2.0%
214+00	19	PIPE UNDERDRAINS, SPECIAL	40.0	4	2.0%
215+61	20	PIPE UNDERDRAINS, SPECIAL	10.0	4	2.0%
215+61	21	PIPE UNDERDRAINS, SPECIAL	10.0	4	2.0%
217+00	22	PIPE UNDERDRAINS, SPECIAL	20.0	4	2.0%
217+29	23	PIPE UNDERDRAINS, SPECIAL	21.0	4	2.0%
217+29	24	PIPE UNDERDRAINS, SPECIAL	13.0	4	2.0%
217+45	25	PIPE UNDERDRAINS, SPECIAL	8.0	4	2.0%
217+45	26	PIPE UNDERDRAINS, SPECIAL	13.0	4	2.0%
220+00	27	PIPE UNDERDRAINS, SPECIAL	66.0	4	2.0%
223+00	28	PIPE UNDERDRAINS, SPECIAL	78.0	4	2.0%
229+00	29	PIPE UNDERDRAINS, SPECIAL	75.0	4	2.0%
229+89	30	PIPE UNDERDRAINS, SPECIAL	7.0	4	2.0%
229+89	31	PIPE UNDERDRAINS, SPECIAL	10.0	4	2.0%
230+11	32	PIPE UNDERDRAINS, SPECIAL	7.0	4	2.0%
230+11	33	PIPE UNDERDRAINS, SPECIAL	10.0	4	2.0%
232+00	34	PIPE UNDERDRAINS, SPECIAL	59.0	4	2.0%
234+75	35	PIPE UNDERDRAINS, SPECIAL	10.0	4	2.0%
234+75	36	PIPE UNDERDRAINS, SPECIAL	13.0	4	2.0%
235+00	37	PIPE UNDERDRAINS, SPECIAL	45.0	4	2.0%
238+00	38	PIPE UNDERDRAINS, SPECIAL	33.0	4	2.0%
239+75	39	PIPE UNDERDRAINS, SPECIAL	60.0	4	2.0%

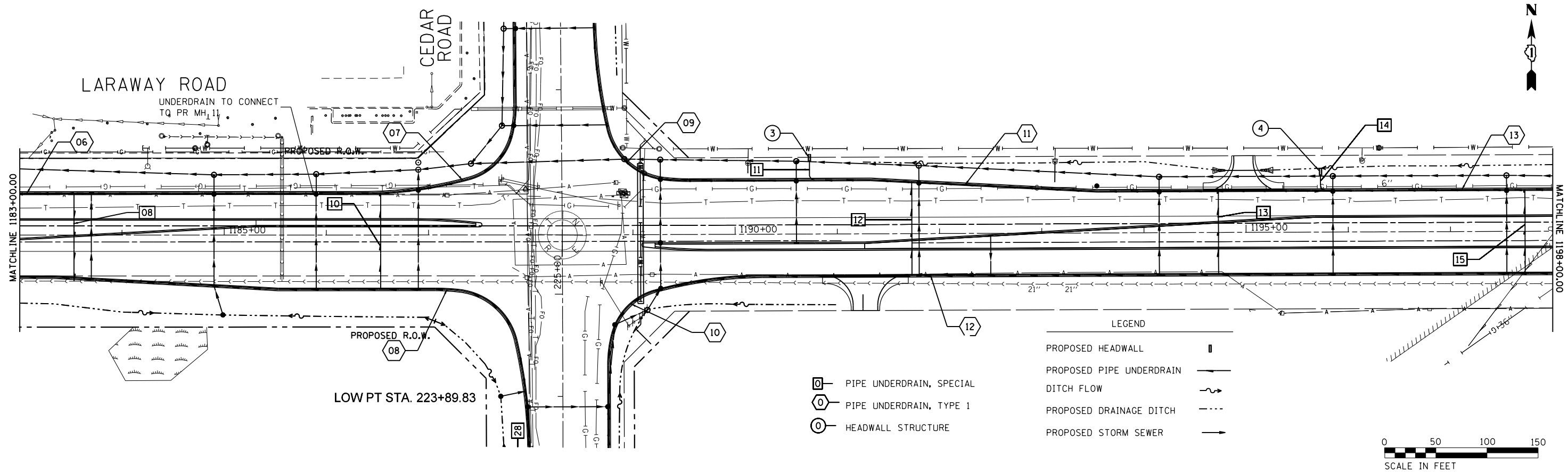
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#MODELNAME#	PLOT DATE = 4/12/2021	DATE 3/31/21	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PIPE UNDERDRAINS PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369		WILL	156	71
CONTRACT NO. 61G89			ILLINOIS FED. AID PROJECT	



HEADWALL STRUCTURES

STR. NUMBER	STATION	ALIGNMENT	OFFSET	INVERT ELEVATION	STRUCTURE DATA
01	1170+53	Laraway Road	54.12' LT.	686.00	CONCRETE HEADWALL FOR PIPE DRAINS
02	1170+53	Laraway Road	49.22' RT	687.25	CONCRETE HEADWALL FOR PIPE DRAINS
03	1190+73	Laraway Road	70.36' LT	693	CONCRETE HEADWALL FOR PIPE DRAINS
04	1195+75	Laraway Road	55.54' LT	699	CONCRETE HEADWALL FOR PIPE DRAINS
05	0210+60	Cedar Road	26.85' LT	690.5	CONCRETE HEADWALL FOR PIPE DRAINS
06	0210+60	Cedar Road	26.69' RT	691	CONCRETE HEADWALL FOR PIPE DRAINS
07	0215+61	Cedar Road	36.43' LT	688.5	CONCRETE HEADWALL FOR PIPE DRAINS
08	0215+61	Cedar Road	39.22' RT	688.75	CONCRETE HEADWALL FOR PIPE DRAINS
09	0217+29	Cedar Road	50.77' LT	688	CONCRETE HEADWALL FOR PIPE DRAINS
10	0217+29	Cedar Road	45.41' LT	688	CONCRETE HEADWALL FOR PIPE DRAINS
11	0217+45	Cedar Road	38.29' LT	688	CONCRETE HEADWALL FOR PIPE DRAINS
12	0217+45	Cedar Road	45.60' RT	688	CONCRETE HEADWALL FOR PIPE DRAINS
13	0229+89	Cedar Road	34.55' LT	689	CONCRETE HEADWALL FOR PIPE DRAINS
14	0229+89	Cedar Road	56.43' RT	690	CONCRETE HEADWALL FOR PIPE DRAINS
15	0230+11	Cedar Road	34.55' LT	689	CONCRETE HEADWALL FOR PIPE DRAINS
16	0230+11	Cedar Road	56.43' RT	690	CONCRETE HEADWALL FOR PIPE DRAINS
17	0234+75	Cedar Road	37.41' LT	690	CONCRETE HEADWALL FOR PIPE DRAINS
18	0234+75	Cedar Road	39.93' RT	691	CONCRETE HEADWALL FOR PIPE DRAINS
19	0239+75	Cedar Road	23.15' LT	691.5	CONCRETE HEADWALL FOR PIPE DRAINS
20	0239+75	Cedar Road	24.89' RT	691.5	CONCRETE HEADWALL FOR PIPE DRAINS

PIPE UNDERDRAIN

PIPE #	TYPE	LENGTH (FT)	DIAMETER (IN)
01	PIPE UNDERDRAINS, TYPE 1	463.0	4
02	PIPE UNDERDRAINS, TYPE 1	463.0	4
03	PIPE UNDERDRAINS, TYPE 1	526.0	4
04	PIPE UNDERDRAINS, TYPE 1	500.0	4
05	PIPE UNDERDRAINS, TYPE 1	502.0	4
06	PIPE UNDERDRAINS, TYPE 1	500.0	4
07	PIPE UNDERDRAINS, TYPE 1	478.0	4
08	PIPE UNDERDRAINS, TYPE 1	308.0	4
09	PIPE UNDERDRAINS, TYPE 1	548.0	4
10	PIPE UNDERDRAINS, TYPE 1	437.0	4
11	PIPE UNDERDRAINS, TYPE 1	500.0	4
12	PIPE UNDERDRAINS, TYPE 1	995.0	4
13	PIPE UNDERDRAINS, TYPE 1	400.0	4
14	PIPE UNDERDRAINS, TYPE 1	500.0	4
15	PIPE UNDERDRAINS, TYPE 1	500.0	4
16	PIPE UNDERDRAINS, TYPE 1	500.0	4
17	PIPE UNDERDRAINS, TYPE 1	500.0	4
18	PIPE UNDERDRAINS, TYPE 1	464.0	4
19	PIPE UNDERDRAINS, TYPE 1	465.0	4
20	PIPE UNDERDRAINS, TYPE 1	490.0	4
21	PIPE UNDERDRAINS, TYPE 1	490.0	4

PIPE UNDERDRAIN, SPECIAL

STATION	PIPE #	TYPE	LENGTH (FT)	DIAMETER (IN)	SLOPE (%)
1170+53	01	PIPE UNDERDRAINS, SPECIAL	80.0	4	2.0%
117453	02	PIPE UNDERDRAINS, SPECIAL	68.0	4	2.0%
1176+15	03	PIPE UNDERDRAINS, SPECIAL	80.0	4	2.0%
1176+25	04	PIPE UNDERDRAINS, SPECIAL	80.0	4	2.0%
1177+53	05	PIPE UNDERDRAINS, SPECIAL	69.0	4	2.0%
1180+53	06	PIPE UNDERDRAINS, SPECIAL	81.0	4	2.0%
-	07	-	-	-	-
1183+53	08	PIPE UNDERDRAINS, SPECIAL	83.0	4	2.0%
-	09	-	-	-	-
1185+53	10	PIPE UNDERDRAINS, SPECIAL	95.0	4	2.0%
1190+73	11	PIPE UNDERDRAINS, SPECIAL	14.0	4	2.0%
1191+73	12	PIPE UNDERDRAINS, SPECIAL	92.0	4	2.0%
1194+73	13	PIPE UNDERDRAINS, SPECIAL	82.0	4	2.0%
1195+75	14	PIPE UNDERDRAINS, SPECIAL	12.0	4	2.0%
1197+73	15	PIPE UNDERDRAINS, SPECIAL	82.0	4	2.0%
-	16	-	-	-	-
1200+73	17	PIPE UNDERDRAINS, SPECIAL	75.0	4	2.0%
210+60	18	PIPE UNDERDRAINS, SPECIAL	55.0	4	2.0%
214+00	19	PIPE UNDERDRAINS, SPECIAL	40.0	4	2.0%
215+61	20	PIPE UNDERDRAINS, SPECIAL	10.0	4	2.0%
215+61	21	PIPE UNDERDRAINS, SPECIAL	10.0	4	2.0%
217+00	22	PIPE UNDERDRAINS, SPECIAL	20.0	4	2.0%
217+29	23	PIPE UNDERDRAINS, SPECIAL	21.0	4	2.0%
217+29	24	PIPE UNDERDRAINS, SPECIAL	13.0	4	2.0%
217+45	25	PIPE UNDERDRAINS, SPECIAL	8.0	4	2.0%
217+45	26	PIPE UNDERDRAINS, SPECIAL	13.0	4	2.0%
220+00	27	PIPE UNDERDRAINS, SPECIAL	66.0	4	2.0%
223+00	28	PIPE UNDERDRAINS, SPECIAL	78.0	4	2.0%
229+00	29	PIPE UNDERDRAINS, SPECIAL	75.0	4	2.0%
229+89	30	PIPE UNDERDRAINS, SPECIAL	7.0	4	2.0%
229+89	31	PIPE UNDERDRAINS, SPECIAL	10.0	4	2.0%
230+11	32	PIPE UNDERDRAINS, SPECIAL	7.0	4	2.0%
230+11	33	PIPE UNDERDRAINS, SPECIAL	10.0	4	2.0%
232+00	34	PIPE UNDERDRAINS, SPECIAL	59.0	4	2.0%
234+75	35	PIPE UNDERDRAINS, SPECIAL	10.0	4	2.0%
234+75	36	PIPE UNDERDRAINS, SPECIAL	13.0	4	2.0%
235+00	37	PIPE UNDERDRAINS, SPECIAL	45.0	4	2.0%
238+00	38	PIPE UNDERDRAINS, SPECIAL	33.0	4	2.0%
239+75	39	PIPE UNDERDRAINS, SPECIAL	60.0	4	2.0%

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIPE UNDERDRAINS PLANS

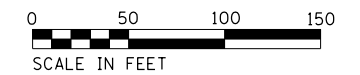
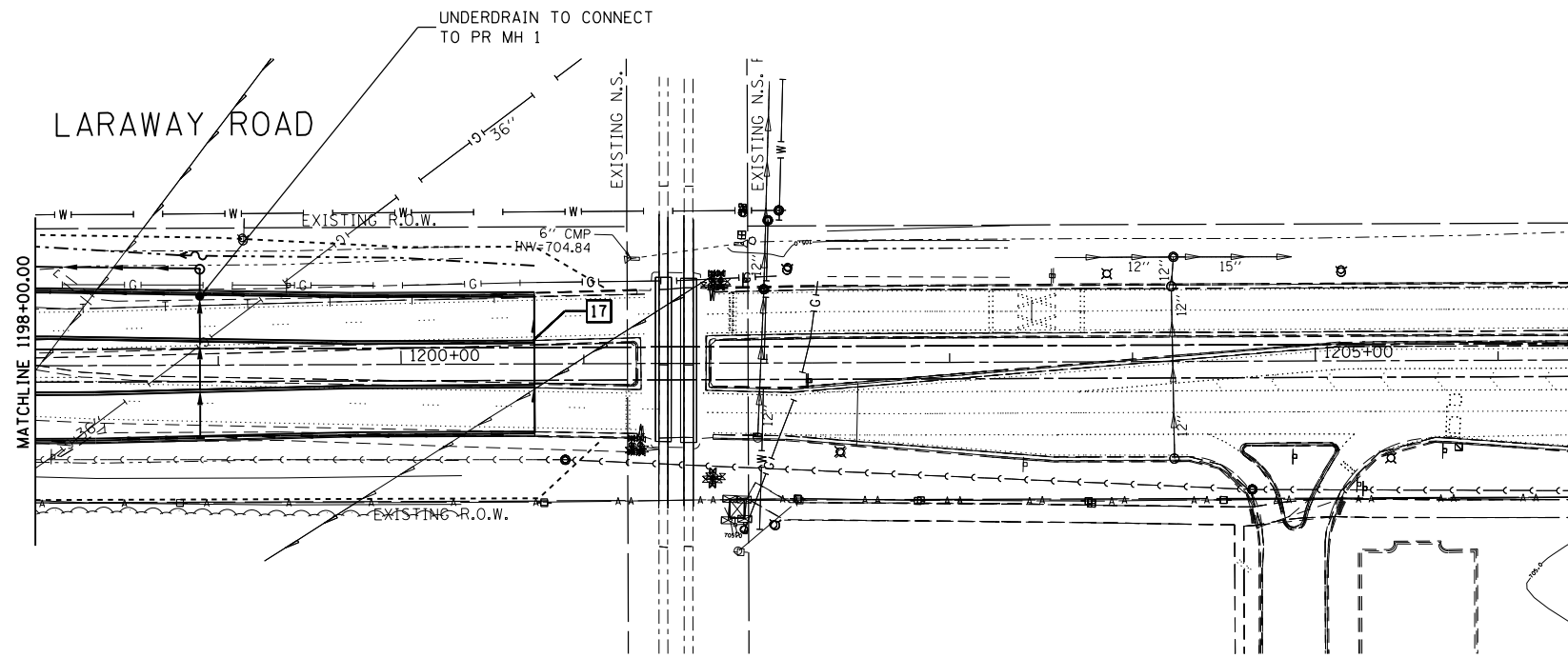
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369		WILL	156	72
CONTRACT NO. 61G89			ILLINOIS FED. AID PROJECT	



LEGEND

- PROPOSED HEADWALL
- PROPOSED PIPE UNDERDRAIN
- DITCH FLOW
- PROPOSED DRAINAGE DITCH
- PROPOSED STORM SEWER
- PIPE UNDERDRAIN, SPECIAL
- PIPE UNDERDRAIN, TYPE 1
- HEADWALL STRUCTURE



HEADWALL STRUCTURES

STR. NUMBER	STATION	ALIGNMENT	OFFSET	INVERT ELEVATION	STRUCTURE DATA
01	1170+53	Laraway Road	54.12' LT.	686.00	CONCRETE HEADWALL FOR PIPE DRAINS
02	1170+53	Laraway Road	49.22' RT	687.25	CONCRETE HEADWALL FOR PIPE DRAINS
03	1190+73	Laraway Road	70.36' LT	693	CONCRETE HEADWALL FOR PIPE DRAINS
04	1195+75	Laraway Road	55.54' LT	699	CONCRETE HEADWALL FOR PIPE DRAINS
05	0210+60	Cedar Road	26.85' LT	690.5	CONCRETE HEADWALL FOR PIPE DRAINS
06	0210+60	Cedar Road	26.69' RT	691	CONCRETE HEADWALL FOR PIPE DRAINS
07	0215+61	Cedar Road	36.43' LT	688.5	CONCRETE HEADWALL FOR PIPE DRAINS
08	0215+61	Cedar Road	39.22' RT	688.75	CONCRETE HEADWALL FOR PIPE DRAINS
09	0217+29	Cedar Road	50.77' LT	688	CONCRETE HEADWALL FOR PIPE DRAINS
10	0217+29	Cedar Road	45.41' LT	688	CONCRETE HEADWALL FOR PIPE DRAINS
11	0217+45	Cedar Road	38.29' LT	688	CONCRETE HEADWALL FOR PIPE DRAINS
12	0217+45	Cedar Road	45.60' RT	688	CONCRETE HEADWALL FOR PIPE DRAINS
13	0229+89	Cedar Road	34.55' LT	689	CONCRETE HEADWALL FOR PIPE DRAINS
14	0229+89	Cedar Road	56.43' RT	690	CONCRETE HEADWALL FOR PIPE DRAINS
15	0230+11	Cedar Road	34.55' LT	689	CONCRETE HEADWALL FOR PIPE DRAINS
16	0230+11	Cedar Road	56.43' RT	690	CONCRETE HEADWALL FOR PIPE DRAINS
17	0234+75	Cedar Road	37.41' LT	690	CONCRETE HEADWALL FOR PIPE DRAINS
18	0234+75	Cedar Road	39.93' RT	691	CONCRETE HEADWALL FOR PIPE DRAINS
19	0239+75	Cedar Road	23.15' LT	691.5	CONCRETE HEADWALL FOR PIPE DRAINS
20	0239+75	Cedar Road	24.89' RT	691.5	CONCRETE HEADWALL FOR PIPE DRAINS

PIPE UNDERDRAIN

PIPE #	TYPE	LENGTH (FT)	DIAMETER (IN)
01	PIPE UNDERDRAINS, TYPE 1	463.0	4
02	PIPE UNDERDRAINS, TYPE 1	463.0	4
03	PIPE UNDERDRAINS, TYPE 1	526.0	4
04	PIPE UNDERDRAINS, TYPE 1	500.0	4
05	PIPE UNDERDRAINS, TYPE 1	502.0	4
06	PIPE UNDERDRAINS, TYPE 1	500.0	4
07	PIPE UNDERDRAINS, TYPE 1	478.0	4
08	PIPE UNDERDRAINS, TYPE 1	308.0	4
09	PIPE UNDERDRAINS, TYPE 1	548.0	4
10	PIPE UNDERDRAINS, TYPE 1	437.0	4
11	PIPE UNDERDRAINS, TYPE 1	500.0	4
12	PIPE UNDERDRAINS, TYPE 1	995.0	4
13	PIPE UNDERDRAINS, TYPE 1	400.0	4
14	PIPE UNDERDRAINS, TYPE 1	500.0	4
15	PIPE UNDERDRAINS, TYPE 1	500.0	4
16	PIPE UNDERDRAINS, TYPE 1	500.0	4
17	PIPE UNDERDRAINS, TYPE 1	500.0	4
18	PIPE UNDERDRAINS, TYPE 1	464.0	4
19	PIPE UNDERDRAINS, TYPE 1	465.0	4
20	PIPE UNDERDRAINS, TYPE 1	490.0	4
21	PIPE UNDERDRAINS, TYPE 1	490.0	4

PIPE UNDERDRAIN, SPECIAL

STATION	PIPE #	TYPE	LENGTH (FT)	DIAMETER (IN)	SLOPE (%)
1170+53	01	PIPE UNDERDRAINS, SPECIAL	80.0	4	2.0%
117453	02	PIPE UNDERDRAINS, SPECIAL	68.0	4	2.0%
1176+15	03	PIPE UNDERDRAINS, SPECIAL	80.0	4	2.0%
1176+25	04	PIPE UNDERDRAINS, SPECIAL	80.0	4	2.0%
1177+53	05	PIPE UNDERDRAINS, SPECIAL	69.0	4	2.0%
1180+53	06	PIPE UNDERDRAINS, SPECIAL	81.0	4	2.0%
-	07	-	-	-	-
1183+53	08	PIPE UNDERDRAINS, SPECIAL	83.0	4	2.0%
-	09	-	-	-	-
1185+53	10	PIPE UNDERDRAINS, SPECIAL	95.0	4	2.0%
1190+73	11	PIPE UNDERDRAINS, SPECIAL	14.0	4	2.0%
1191+73	12	PIPE UNDERDRAINS, SPECIAL	92.0	4	2.0%
1194+73	13	PIPE UNDERDRAINS, SPECIAL	82.0	4	2.0%
1195+75	14	PIPE UNDERDRAINS, SPECIAL	12.0	4	2.0%
1197+73	15	PIPE UNDERDRAINS, SPECIAL	82.0	4	2.0%
-	16	-	-	-	-
1200+73	17	PIPE UNDERDRAINS, SPECIAL	75.0	4	2.0%
210+60	18	PIPE UNDERDRAINS, SPECIAL	55.0	4	2.0%
214+00	19	PIPE UNDERDRAINS, SPECIAL	40.0	4	2.0%
215+61	20	PIPE UNDERDRAINS, SPECIAL	10.0	4	2.0%
215+61	21	PIPE UNDERDRAINS, SPECIAL	10.0	4	2.0%
217+00	22	PIPE UNDERDRAINS, SPECIAL	20.0	4	2.0%
217+29	23	PIPE UNDERDRAINS, SPECIAL	21.0	4	2.0%
217+29	24	PIPE UNDERDRAINS, SPECIAL	13.0	4	2.0%
217+45	25	PIPE UNDERDRAINS, SPECIAL	8.0	4	2.0%
217+45	26	PIPE UNDERDRAINS, SPECIAL	13.0	4	2.0%
220+00	27	PIPE UNDERDRAINS, SPECIAL	66.0	4	2.0%
223+00	28	PIPE UNDERDRAINS, SPECIAL	78.0	4	2.0%
229+00	29	PIPE UNDERDRAINS, SPECIAL	75.0	4	2.0%
229+89	30	PIPE UNDERDRAINS, SPECIAL	7.0	4	2.0%
229+89	31	PIPE UNDERDRAINS, SPECIAL	10.0	4	2.0%
230+11	32	PIPE UNDERDRAINS, SPECIAL	7.0	4	2.0%
230+11	33	PIPE UNDERDRAINS, SPECIAL	10.0	4	2.0%
232+00	34	PIPE UNDERDRAINS, SPECIAL	59.0	4	2.0%
234+75	35	PIPE UNDERDRAINS, SPECIAL	10.0	4	2.0%
234+75	36	PIPE UNDERDRAINS, SPECIAL	13.0	4	2.0%
235+00	37	PIPE UNDERDRAINS, SPECIAL	45.0	4	2.0%
238+00	38	PIPE UNDERDRAINS, SPECIAL	33.0	4	2.0%
239+75	39	PIPE UNDERDRAINS, SPECIAL	60.0	4	2.0%

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		DRAWN CMW	REVISED -
		CHECKED RCH	REVISED -
		DATE 3/31/21	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIPE UNDERDRAINS PLANS

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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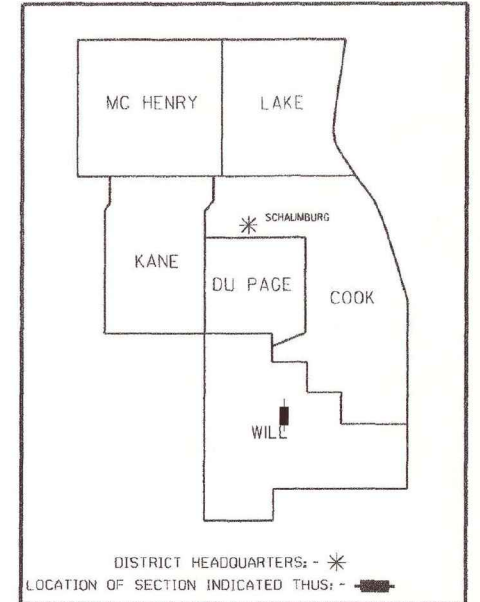
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369		WILL	156	73
CONTRACT NO. 61G89				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
WILL COUNTY DIVISION OF TRANSPORTATION
PLAT OF HIGHWAYS

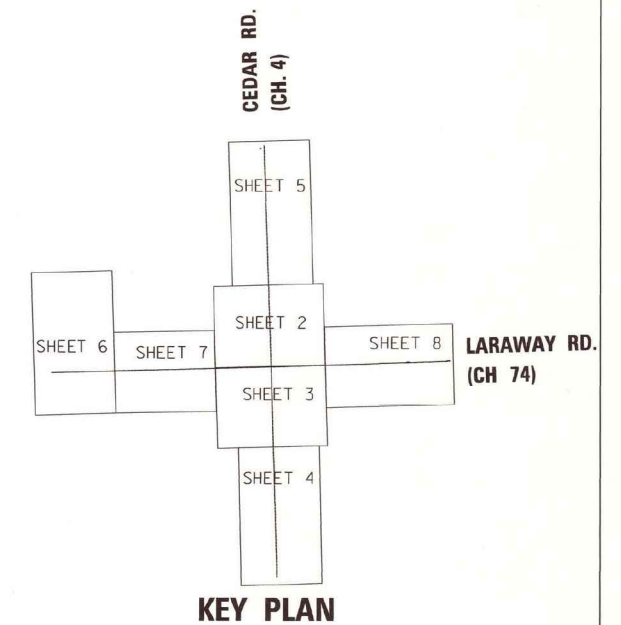
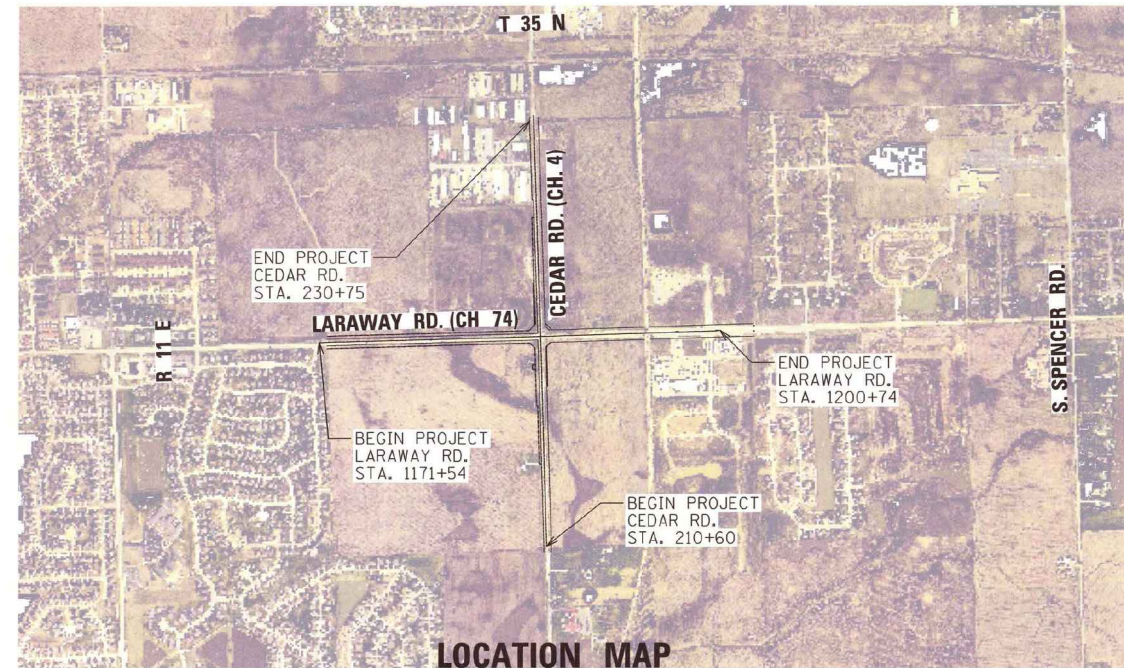
ROUTE: CEDAR ROAD (CH4) AND LARAWAY ROAD (CH74)
SECTION 08-00138-28-TL
JOB NO. R-55-001-97
WILL COUNTY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	8	1

CONTRACT NO.



PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
0001-DED	NLSB, AN ILLINOIS BANKING CORPORATION	2	WILL COUNTY
0002-DED-A 0002-DED-B	CEDAR THREE LLC, AN ILLINOIS LIMITED LIABILITY COMPANY AS TO A 95.4 PERCENT INTEREST AND LARJAN ENTERPRISES, AN ILLINOIS PARTNERSHIP AS TO A 4.6 PERCENT INTEREST	2, 5, 7	WILL COUNTY
0003-DED	VILLAGE STATION COMMERCIAL NORTH, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	2, 4, 7	WILL COUNTY
0004-DED	SILVER CROSS HOSPITAL AND MEDICAL CENTERS, AN ILLINOIS NOT FOR PROFIT CORPORATION	3, 4, 8	WILL COUNTY
0005-DED 0005-TE	FIRST NATIONAL BANK OF JOLIET, AS TRUSTEE UNDER THE PROVISIONS OF A TRUST AGREEMENT DATED JUNE 8, 1993 AND KNOWN AS TRUST NUMBER 4316	3, 4, 6, 7	WILL COUNTY
0006-DED	DONALD J. KESTEL (AKA DONALD JAMES LEO KESTEL) AND CATHERINE L. ANKENBRANDT, AS TRUSTEES UNDER TERMS AND PROVISIONS OF THE DONALD J. KESTEL AND CATHERINE L. ANKENBRANDT LIVING TRUST DATED SEPTEMBER 21, 2012, AS TO AN UNDIVIDED 1/3 INTEREST; KAREN MARIE KESTEL AS TRUSTEE OF THE KAREN MARIE KESTEL REVOCABLE TRUST DATED MAY 22, 1998 AND AS AMENDED BY THE AMENDMENT AND RESTATEMENT OF THE KAREN MARIE KESTEL REVOCABLE TRUST DATED JULY 3, 2008 AS TO AN UNDIVIDED 1/3 INTEREST; AND COLLEEN G. KESTEL-BRANCHAW (AKA COLLEEN GERALYN KESTEL-BRANCHAW) AS TRUSTEE UNDER THE TERMS AND PROVISIONS OF THE COLLEEN G. KESTEL-BRANCHAW REVOCABLE TRUST DATED APRIL 11, 2011 AS TO AN UNDIVIDED 1/3 INTEREST.	4	WILL COUNTY
0007-DED 0007-TE	THE MCLAUGHLIN FAMILY PARTNERSHIP, L.P., A LIMITED PARTNERSHIP AS TO AN UNDIVIDED 1/2 INTEREST; EDWARD W. MCLAUGHLIN MARITAL TRUST, AS CREATED BY THE EDWARD W. MCLAUGHLIN DECLARATION OF TRUST DATED SEPTEMBER 7, 1994 AS TO AN UNDIVIDED 4.527 PERCENT INTEREST; DONALD E. MCLAUGHLIN AS TO AN UNDIVIDED 22.7365 PERCENT INTEREST; AND MARY C DIEHL, AS TRUSTEE OF THE MARY C. DIEHL REVOCABLE LIVING TRUST DATED AUGUST 3, 1993 AS TO AN UNDIVIDED 22.7365 PERCENT INTEREST	6, 7	WILL COUNTY



INDEX OF SHEETS

- 1 COVER SHEET**
- 2-8 PLAT OF HIGHWAYS**

SPAAN Tech, Inc.
 311 South Wacker Drive, Suite 2400
 Chicago, IL 60606
 Professional Design Firm #184-002673

phone: 312.277.8800
 fax: 312.277.8808
 web: www.SpaanTech.com

IDOT USE ONLY

PART OF THE SE 1/4 SECTION 28 AND SW 1/4 SECTION 27, T35N, R11E OF THE 3RD P.M. IN WILL COUNTY, ILLINOIS

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
0001-DED	4.094	0.697	0.676	4.094	—	—	15-08-28-400-010
0002-DED-A 0002-DED-B	45.868	A=0.695 B=0.731	A=0.920 B=0.835	45.868	—	—	15-08-28-400-018

*TOTAL HOLDING ACREAGE BASED ON WILL COUNTY TAX MAPS

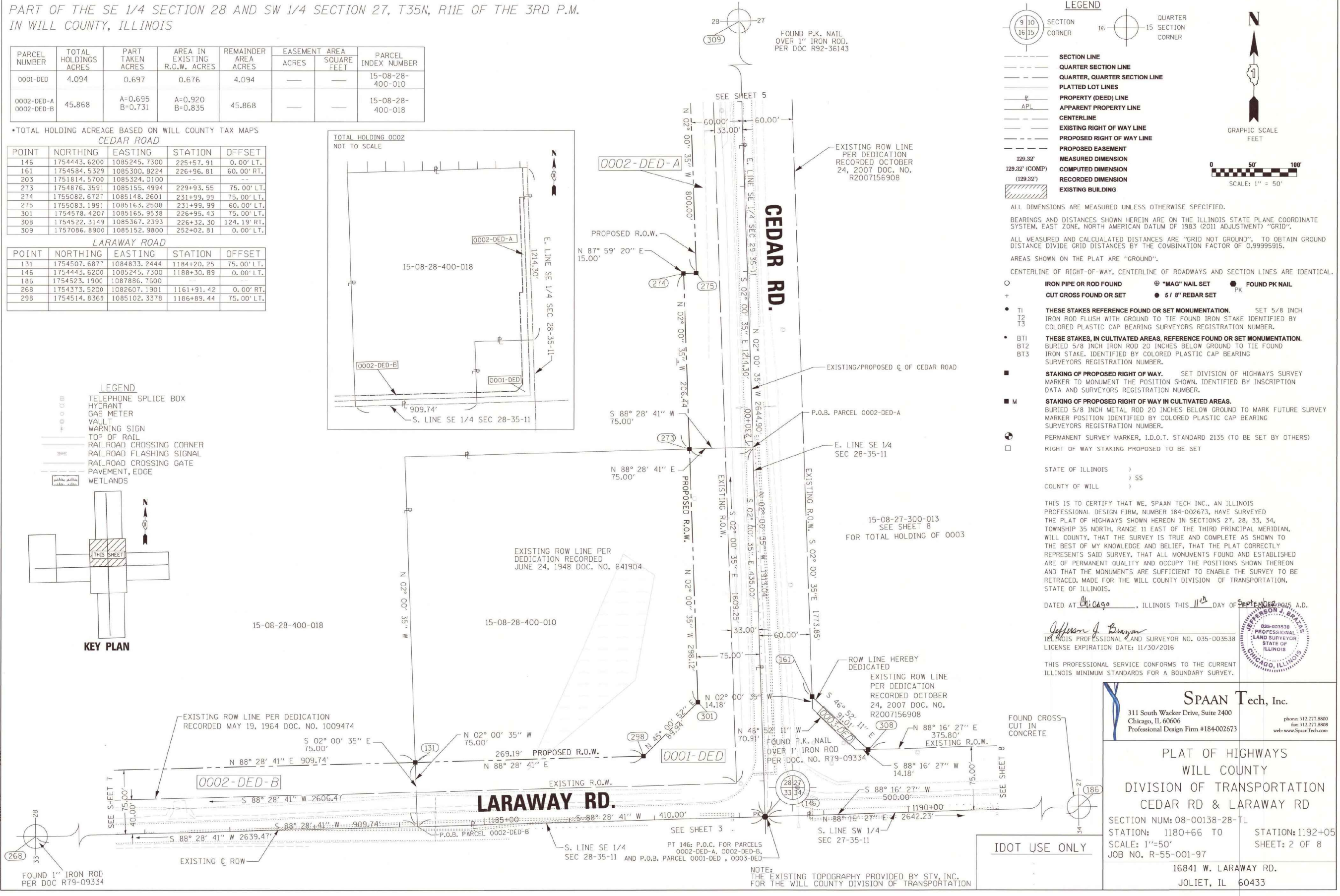
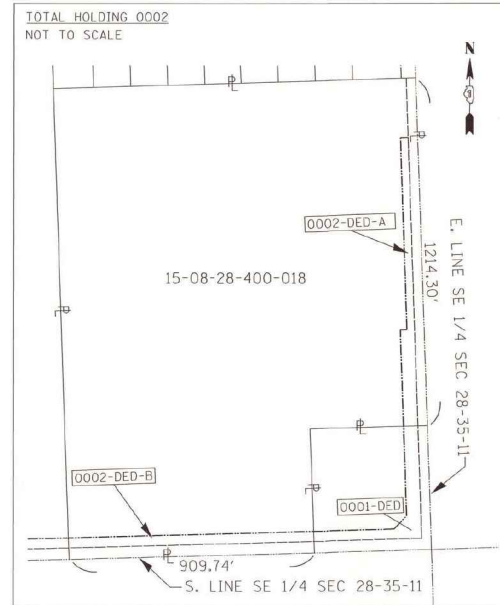
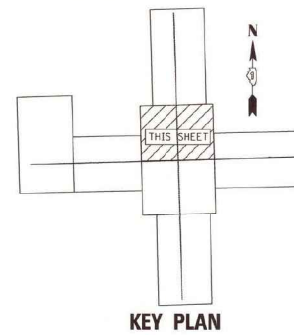
CEDAR ROAD

POINT	NORTHING	EASTING	STATION	OFFSET
146	1754443.6200	1085245.7300	225+57.91	0.00' LT.
161	1754584.5329	1085300.8224	226+96.81	60.00' RT.
203	1751814.5700	1085324.0100	--	--
273	1754876.3591	1085155.4994	229+93.55	75.00' LT.
274	1755082.6727	1085148.2601	231+99.99	75.00' LT.
275	1755083.1991	1085163.2508	231+99.99	60.00' LT.
301	1754578.4207	1085165.9538	226+95.43	75.00' LT.
308	1754522.3149	1085367.2393	226+32.30	124.19' RT.
309	1757086.8900	1085152.9800	252+02.81	0.00' LT.

LARAWAY ROAD

POINT	NORTHING	EASTING	STATION	OFFSET
131	1754507.6877	1084833.2444	1184+20.25	75.00' LT.
146	1754443.6200	1085245.7300	1188+30.89	0.00' LT.
186	1754523.1900	1087896.7600	--	--
268	1754373.5200	1082607.1901	1161+91.42	0.00' RT.
298	1754514.8369	1085102.3378	1186+89.44	75.00' LT.

- LEGEND**
- TELEPHONE SPLICE BOX
 - HYDRANT
 - GAS METER
 - VAULT
 - WARNING SIGN
 - TOP OF RAIL
 - RAILROAD CROSSING CORNER
 - RAILROAD FLASHING SIGNAL
 - RAILROAD CROSSING GATE
 - PAVEMENT, EDGE
 - WETLANDS



LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

GRAPHIC SCALE FEET
SCALE: 1" = 50'

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
BEARINGS AND DISTANCES SHOWN HEREIN ARE ON 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 DISTANCE DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.99995915.
AREAS SHOWN ON THE PLAT ARE "GROUND".
CENTERLINE OF RIGHT-OF-WAY, CENTERLINE OF ROADWAYS AND SECTION LINES ARE IDENTICAL.

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

STATE OF ILLINOIS)
COUNTY OF WILL) SS

THIS IS TO CERTIFY THAT WE, SPAAN TECH INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM, NUMBER 184-002673, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 27, 28, 33, 34, TOWNSHIP 35 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL 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 WILL COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT Chicago, ILLINOIS THIS 11th DAY OF SEPTEMBER 2015, A.D.

Jefferson J. Bryan
ILLINOIS PROFESSIONAL AND SURVEYOR NO. 035-003538
LICENSE EXPIRATION DATE: 11/30/2016

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

SPAAN Tech, Inc.
311 South Wacker Drive, Suite 2400
Chicago, IL 60606
Professional Design Firm #184-002673
phone: 312.277.8800
fax: 312.277.8808
web: www.SpaanTech.com

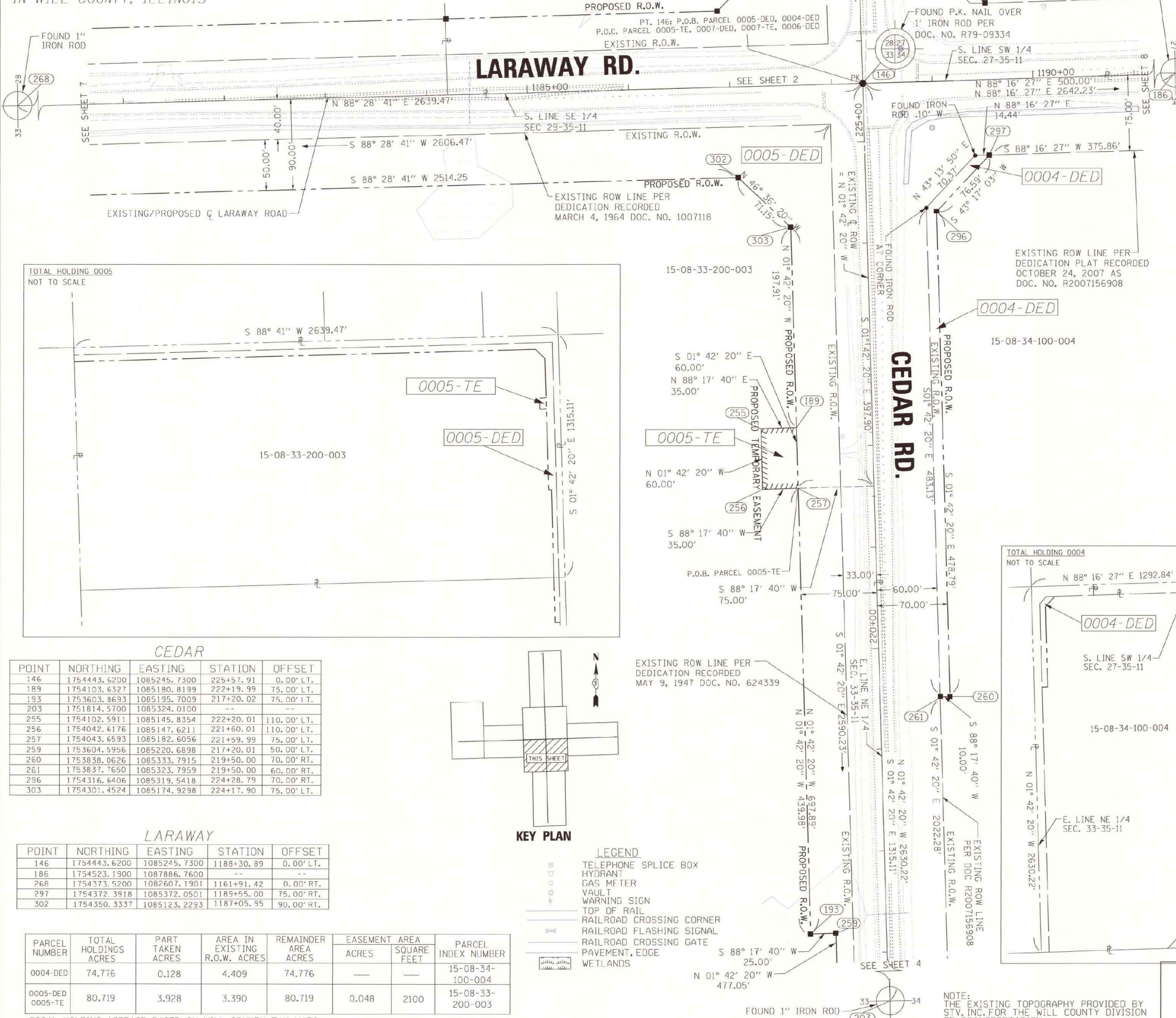
**PLAT OF HIGHWAYS
WILL COUNTY
DIVISION OF TRANSPORTATION
CEDAR RD & LARAWAY RD**

SECTION NUM: 08-00138-28-TL
STATION: 1180+66 TO 1192+05
SCALE: 1"=50'
JOB NO. R-55-001-97
SHEET: 2 OF 8

16841 W. LARAWAY RD.
JOLIET, IL 60433

FILE NAME =	USER NAME = mohammed.oi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLATS OF HIGHWAYS LARAWAY ROAD AND CEDAR ROAD	F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
P:\projects\13003\000\CADD\Sheets\401-684-sht-BLANK-PLATS.dgn	PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -			369	08-00138-28-TL	WILL	156	75	
MODELNAME#	PLOT DATE = 4/13/2021	CHECKED -	REVISED -			CONTRACT NO. 61889					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

PART OF THE NE 1/4 SECTION 33 AND SW 1/4 SECTION 34, T35N, R11E OF THE 3RD P.M. IN WILL COUNTY, ILLINOIS



LEGEND

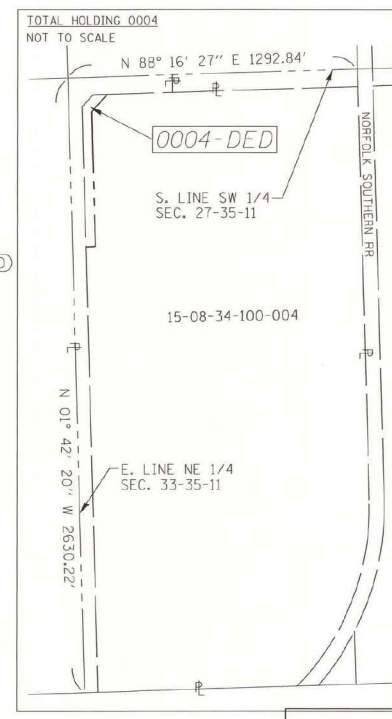
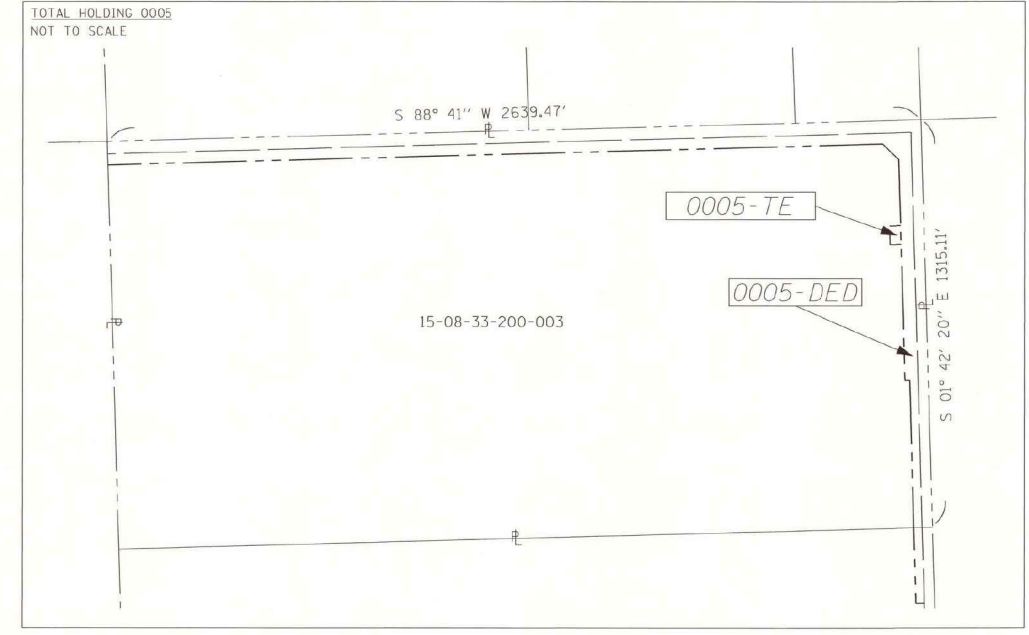
- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
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 AREAS SHOWN ON THE PLAT ARE "GROUND".
 CENTERLINE OF RIGHT-OF-WAY, CENTERLINE OF ROADWAYS AND SECTION LINES ARE IDENTICAL.

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

T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 T2
 T3
 BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 BT2
 BT3
 M 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.
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 PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
 COUNTY OF WILL) SS



CEDAR

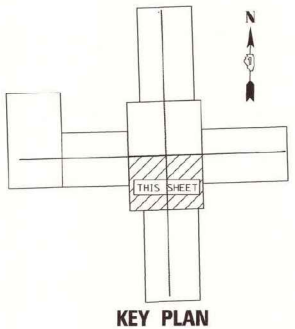
POINT	NORTHING	EASTING	STATION	OFFSET
146	1754443.6200	1085245.7300	225+57.91	0.00' LT.
189	1754103.6327	1085180.8199	222+19.99	75.00' LT.
193	1753603.8693	1085195.7009	217+20.02	75.00' LT.
203	1751814.5700	1085324.0100	--	--
255	1754102.5911	1085145.8354	222+20.01	110.00' LT.
256	1754042.6176	1085147.6211	221+60.01	110.00' LT.
257	1754043.6593	1085182.6056	221+59.99	75.00' LT.
259	1753604.5956	1085220.6898	217+20.01	50.00' LT.
260	1753838.0626	1085333.7915	219+50.00	70.00' RT.
261	1753837.7650	1085323.7959	219+50.00	60.00' RT.
296	1754316.6406	1085319.5418	224+28.79	70.00' RT.
303	1754301.4524	1085174.9298	224+17.90	75.00' LT.

LARAWAY

POINT	NORTHING	EASTING	STATION	OFFSET
146	1754443.6200	1085245.7300	1188+30.89	0.00' LT.
186	1754523.1900	1087886.7600	--	--
268	1754373.5200	1082607.1901	1161+91.42	0.00' RT.
297	1754372.3918	1085372.0501	1189+55.00	75.00' RT.
302	1754350.3337	1085123.2293	1187+05.95	90.00' RT.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
0004-DED	74.776	0.128	4.409	74.776	--	--	15-08-34-100-004
0005-DED 0005-TE	80.719	3.928	3.390	80.719	0.048	2100	15-08-33-200-003

*TOTAL HOLDING ACREAGE BASED ON WILL COUNTY TAX MAPS



- LEGEND**
- TELEPHONE SPLICE BOX
 - HYDRANT
 - GAS METER
 - VAULT
 - WARNING SIGN
 - TOP OF RAIL
 - RAILROAD CROSSING CORNER
 - RAILROAD FLASHING SIGNAL
 - RAILROAD CROSSING GATE
 - PAVEMENT, EDGE
 - WETLANDS

THIS IS TO CERTIFY THAT WE, SPAAN TECH INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM, NUMBER 184-002673, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 27, 28, 33, 34, TOWNSHIP 35 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL 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 WILL COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT Chicago, ILLINOIS THIS 11th DAY OF September, 2015 A.D.

Jeffrey J. Bryan
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003538
 LICENSE EXPIRATION DATE: 11/30/2016

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

SPAAN Tech, Inc.
 311 South Wacker Drive, Suite 2400
 Chicago, IL 60606
 Professional Design Firm #184-002673
 phone: 312.277.8800
 fax: 312.277.8808
 www: www.SpaanTech.com

**PLAT OF HIGHWAYS
 WILL COUNTY
 DIVISION OF TRANSPORTATION
 CEDAR RD & LARAWAY RD**

SECTION NUM: 08-00138-28-TL
 STATION: 1180+66 TO STATION: 1192+05
 SCALE: 1"=50' SHEET: 3 OF 8
 JOB NO. R-55-001-97
 16841 W. LARAWAY RD.
 JOLIET, IL 60433

PART OF THE NE 1/4 SECTION 33 AND
NW 1/4 SECTION 34, T35N, R11 E OF THE 3RD P.M.
IN WILL COUNTY, ILLINOIS

LEGEND

SECTION CORNER: 9 10 15 16

QUARTER SECTION CORNER: 16 15

SECTION LINE

QUARTER SECTION LINE

QUARTER, QUARTER SECTION LINE

PLATTED LOT LINES

PROPERTY (DEED) LINE

APPARENT PROPERTY LINE

CENTERLINE

EXISTING RIGHT OF WAY LINE

PROPOSED RIGHT OF WAY LINE

PROPOSED EASEMENT

MEASURED DIMENSION: 129.32' (128.32')

COMPUTED DIMENSION

RECORDED DIMENSION

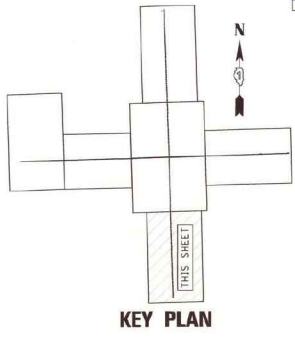
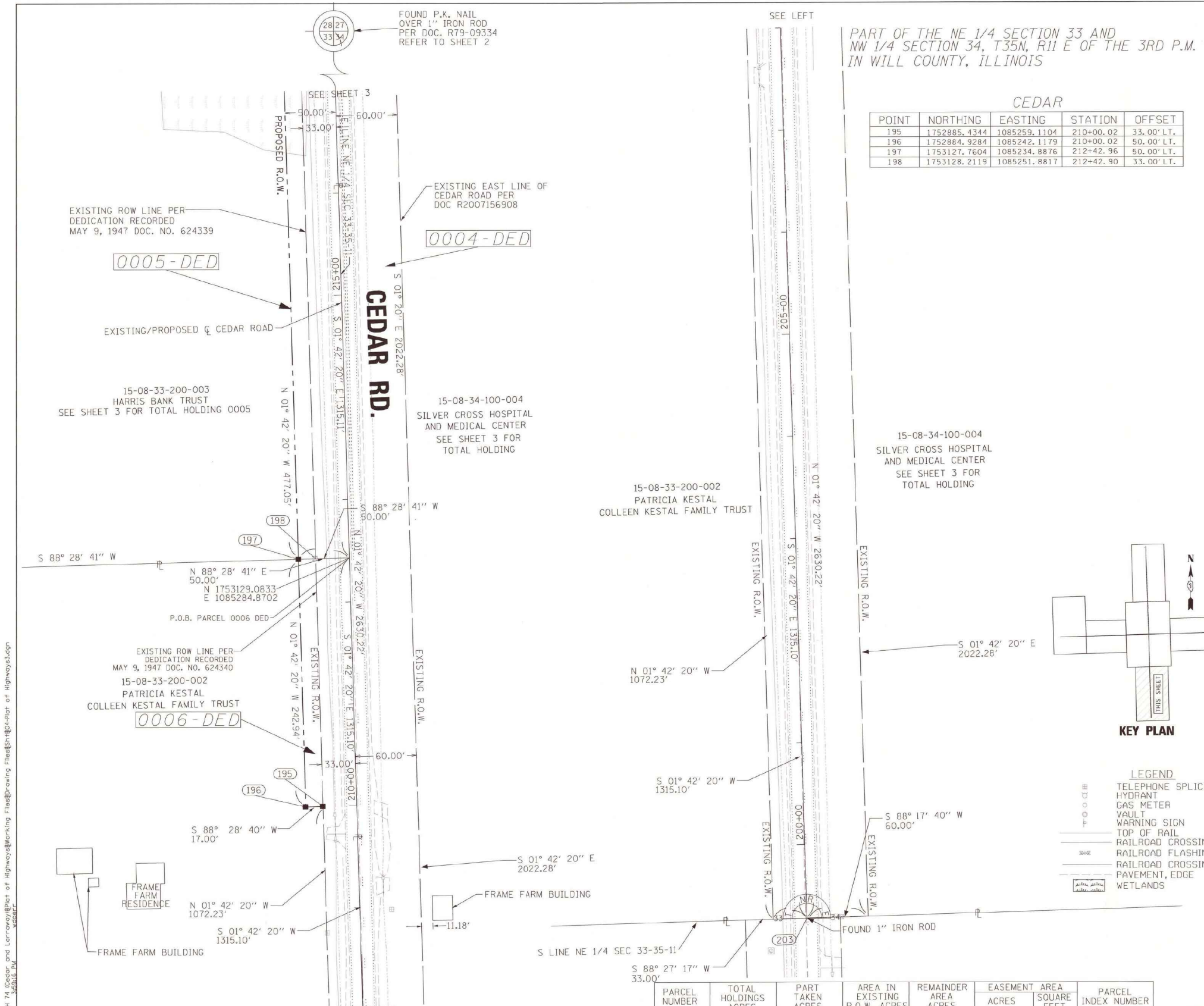
EXISTING BUILDING

GRAPHIC SCALE: 1" = 50'

SCALE: 1" = 50'

CEDAR

POINT	NORTHING	EASTING	STATION	OFFSET
195	1752885.4344	1085259.1104	210+00.02	33.00' LT.
196	1752884.9284	1085242.1179	210+00.02	50.00' LT.
197	1753127.7604	1085234.8876	212+42.96	50.00' LT.
198	1753128.2119	1085251.8817	212+42.90	33.00' LT.



LEGEND

TELEPHONE SPLICE BOX

HYDRANT

GAS METER

Vault

WARNING SIGN

TOP OF RAIL

RAILROAD CROSSING CORNER

RAILROAD FLASHING SIGNAL

RAILROAD CROSSING GATE

PAVEMENT, EDGE

WETLANDS

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
0005-DED	80.719	3.928	3.390	80.719	0.048	2100	15-08-33-200-003
0006-DED	79.691	0.095	0.996	79.691	—	—	15-08-33-200-002

*TOTAL HOLDING ACREAGE BASED ON WILL COUNTY TAX MAPS

IDOT USE ONLY

THIS IS TO CERTIFY THAT WE, SPAAN TECH INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM, NUMBER 184-002673, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREIN IN SECTIONS 27, 28, 33, 34, TOWNSHIP 35 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL 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 WILL COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT Chicago, ILLINOIS THIS 11th DAY OF September 2015 A.D.

Jeffrey J. Brazner
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003538
LICENSE EXPIRATION DATE: 11/30/2016

035-003538 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS CHICAGO, ILLINOIS

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

SPAAN Tech, Inc.

311 South Wacker Drive, Suite 2400
Chicago, IL 60606
Professional Design Firm #184-002673

phone: 312.277.8800
fax: 312.277.8808
web: www.SpaanTech.com

**PLAT OF HIGHWAYS
WILL COUNTY
DIVISION OF TRANSPORTATION
CEDAR RD & LARAWAY RD**

SECTION NUM: 08-00138-28-TL
STATION: 199+00 TO STATION: 216+93
SCALE: 1"=50' SHEET: 4 OF 8
JOB NO. R-55-001-97

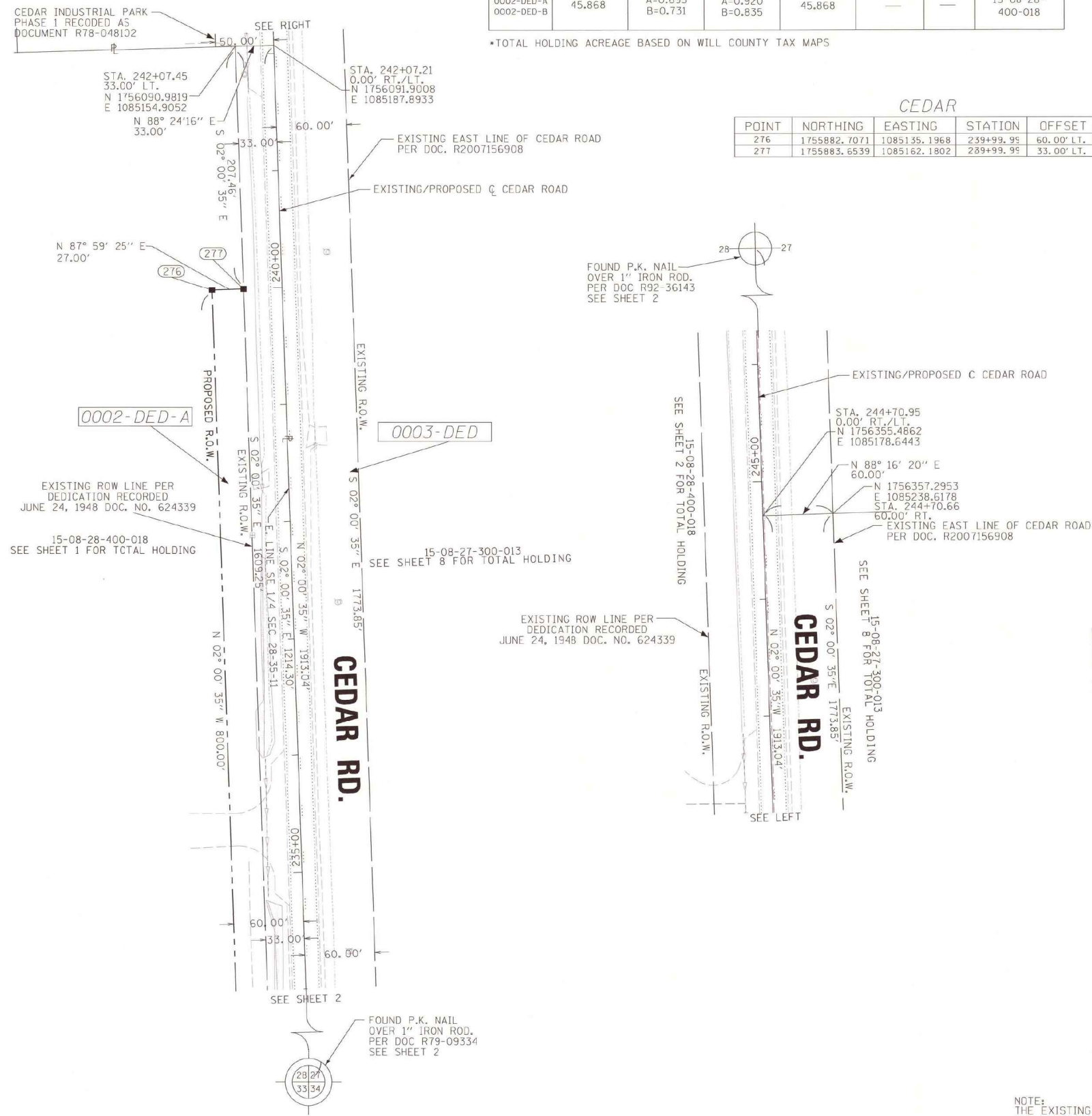
16841 W. LARAWAY RD.
JOLIET, IL 60433

NOTE:
THE EXISTING TOPOGRAPHY PROVIDED BY STV, INC.
FOR THE WILL COUNTY DIVISION OF TRANSPORTATION

PART OF THE SE 1/4 SECTION 28 AND SW 1/4 SECTION 27, T35N, R11E OF THE 3RD P.M. IN WILL COUNTY, ILLINOIS

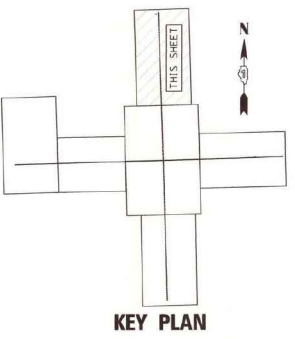
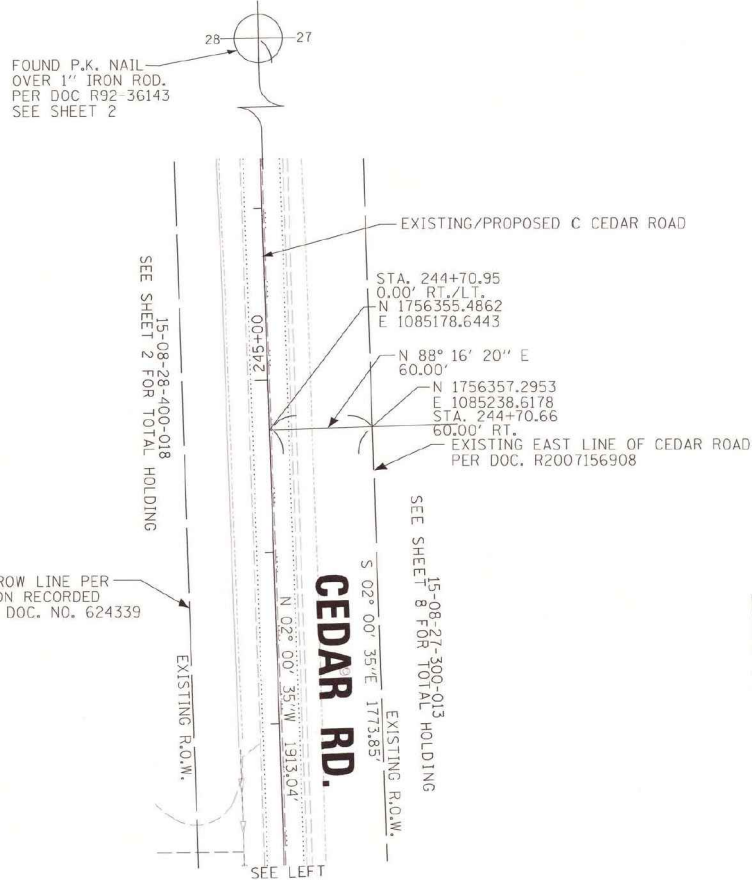
PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
0002-DED-A 0002-DED-B	45.868	A=0.695 B=0.731	A=0.920 B=0.835	45.868	—	—	15-08-28-400-018

*TOTAL HOLDING ACREAGE BASED ON WILL COUNTY TAX MAPS



CEDAR

POINT	NORTHING	EASTING	STATION	OFFSET
276	1755882.7071	1085135.1968	239+99.95	60.00' LT.
277	1755883.6539	1085162.1802	289+99.95	33.00' LT.



LEGEND

- ☐ TELEPHONE SPLICE BOX
- ☐ HYDRANT
- ☐ GAS METER
- ☐ VAULT
- ☐ WARNING SIGN
- ☐ TOP OF RAIL
- ☐ RAILROAD CROSSING CORNER
- ☐ RAILROAD FLASHING SIGNAL
- ☐ RAILROAD CROSSING GATE
- ☐ PAVEMENT, EDGE
- ☐ WETLANDS

LEGEND

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

GRAPHIC SCALE
FEET
0 50' 100'
SCALE: 1" = 50'

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
BEARINGS AND DISTANCES SHOWN HEREIN ARE ON 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 DISTANCE DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.99995915.
AREAS SHOWN ON THE PLAT ARE "GROUND".
CENTERLINE OF RIGHT-OF-WAY, CENTERLINE OF ROADWAYS AND SECTION LINES ARE IDENTICAL.

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

- T1 T2 T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 BT2 BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- 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 2135 (TO BE SET BY OTHERS)
- ☐ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
) SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT WE, SPAAN TECH INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM, NUMBER 184-002673, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 27, 28, 33, 34, TOWNSHIP 35 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL 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 WILL COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT Chicago, ILLINOIS THIS 11th DAY OF September, 2015 A.D.

Jefferson J. Bragan
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003538
LICENSE EXPIRATION DATE: 11/30/2016

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

SPAAN Tech, Inc.
311 South Wacker Drive, Suite 2400
Chicago, IL 60606
Professional Design Firm #184-002673
phone: 312.277.8800
fax: 312.277.8808
web: www.SpaanTech.com

**PLAT OF HIGHWAYS
WILL COUNTY
DIVISION OF TRANSPORTATION
CEDAR RD & LARAWAY RD**

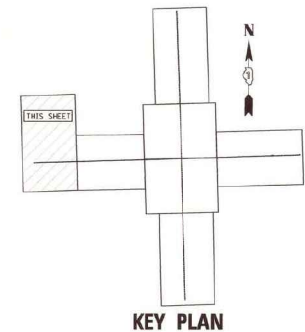
SECTION NUM: 08-00138-28-TL
STATION: 234+00 TO STATION: 246+00
SCALE: 1"=50' SHEET: 5 OF 8
JOB NO. R-55-001-97

16841 W. LARAWAY RD.
JOLIET, IL 60433

DOT USE ONLY

NOTE:
THE EXISTING TOPOGRAPHY PROVIDED BY STV, INC.
FOR THE WILL COUNTY DIVISION OF TRANSPORTATION

PART OF THE SE 1/4 SECTION 28 AND NE 1/4 SECTION 33, T35N, R11E OF THE 3RD P.M. IN WILL COUNTY, ILLINOIS



LEGEND

- TELEPHONE SPLICE BOX
- HYDRANT
- GAS METER
- VAULT
- WARNING SIGN
- TOP OF RAIL
- RAILROAD CROSSING CORNER
- RAILROAD FLASHING SIGNAL
- RAILROAD CROSSING GATE
- PAVEMENT, EDGE
- WETLANDS

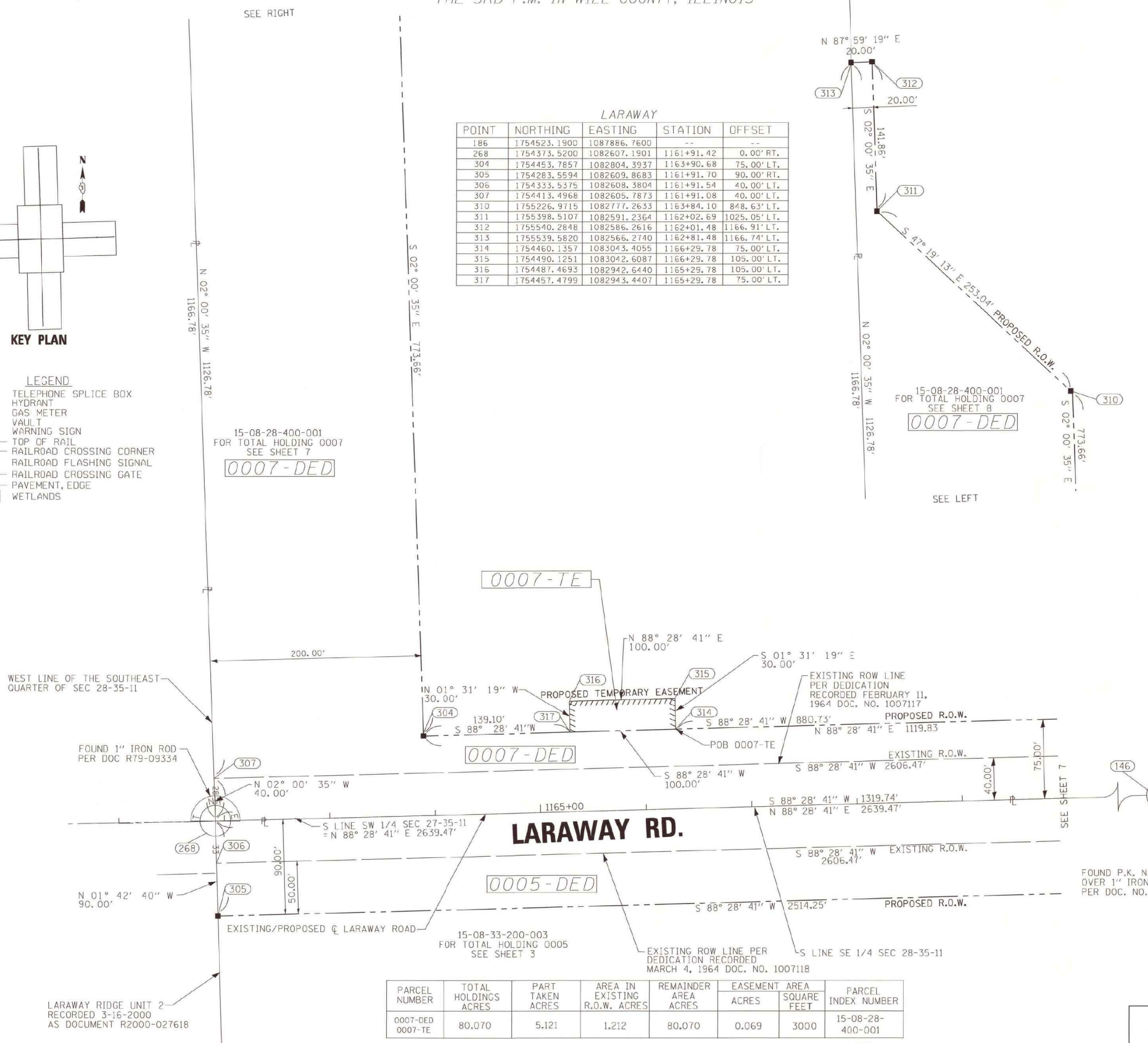
LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

GRAPHIC SCALE
FEET
SCALE: 1" = 50'

LARAWAY

POINT	NORTHING	EASTING	STATION	OFFSET
186	1754523.1900	1087886.7600	--	--
268	1754373.5200	1082607.1901	1161+91.42	0.00' RT.
304	1754453.7857	1082804.3937	1163+90.68	75.00' LT.
305	1754283.5594	1082609.8683	1161+91.70	90.00' RT.
306	1754333.5375	1082608.3804	1161+91.54	40.00' LT.
307	1754413.4968	1082605.7873	1161+91.08	40.00' LT.
310	1755226.9715	1082777.2633	1163+84.10	848.63' LT.
311	1755398.5107	1082591.2364	1162+02.69	1025.05' LT.
312	1755540.2848	1082586.2616	1162+01.48	1166.91' LT.
313	1755539.5820	1082566.2740	1162+81.48	1166.74' LT.
314	1754460.1357	1083043.4055	1166+29.78	75.00' LT.
315	1754490.1251	1083042.6087	1166+29.78	105.00' LT.
316	1754487.4693	1082942.6440	1165+29.78	105.00' LT.
317	1754457.4799	1082943.4407	1165+29.78	75.00' LT.



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
0007-DED	80.070	5.121	1.212	80.070	0.069	15-08-28-400-001

*TOTAL HOLDING ACREAGE BASED ON WILL COUNTY TAX MAPS

NOTE: THE EXISTING TOPOGRAPHY PROVIDED BY STV, INC. FOR THE WILL COUNTY DIVISION OF TRANSPORTATION

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AREAS SHOWN ON THE PLAT ARE "GROUND".
CENTERLINE OF RIGHT-OF-WAY, CENTERLINE OF ROADWAYS AND SECTION LINES ARE IDENTICAL.

- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- "MAG" NAIL SET
- 5/8" REBAR SET
- FOUND PK NAIL
- PK
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 BT2 BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS))
COUNTY OF WILL))

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DATED AT Chicago, ILLINOIS THIS 11th DAY OF September, 2015 A.D.

William J. Bryan
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003538
LICENSE EXPIRATION DATE: 11/30/2016



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

SPAAN Tech, Inc.
311 South Wacker Drive, Suite 2400
Chicago, IL 60606
Professional Design Firm #184-002673
phone 312.277.8800
fax 312.277.8808
web www.SpaanTech.com

**PLAT OF HIGHWAYS
WILL COUNTY
DIVISION OF TRANSPORTATION
CEDAR RD & LARAWAY RD**

SECTION NUM: 08-00138-28-TL
STATION: 1161+35.24 TO STATION: 1169+90
SCALE: 1"=50' SHEET: 6 OF 8
JOB NO. R-55-001-97

16841 W. LARAWAY RD.
JOLIET, IL 60433

DOT USE ONLY

FILE NAME =	USER NAME = mohammed.o1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLATS OF HIGHWAYS LARAWAY ROAD AND CEDAR ROAD	F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
P:\projects\13003\000\CADD\Sheets\401	684-sht-BLANK-PLATS.dgn	DRAWN -	REVISED -			369	08-00138-28-TL	WILL	156	79	
#MODELNAME#	PLOT DATE = 4/13/2021	CHECKED -	REVISED -			CONTRACT NO. 61889					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE:	SHEET 6 OF 8 SHEETS	STA.	TO STA.				

PART OF THE SE 1/4 SECTION 28 AND NE 1/4 SECTION 33, T35N, R11E OF THE 3RD P.M. IN WILL COUNTY, ILLINOIS

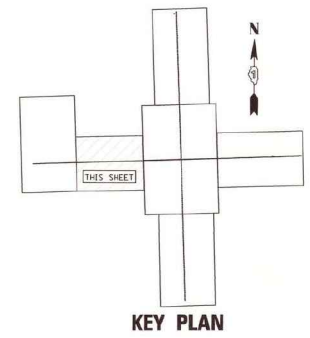
PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
0002-DED-A 0002-DED-B	45.868	A=0.695 B=0.693	A=0.920 B=0.792	45.868	---	---	15-08-28-400-018
0005 DED 0005-TE	80.719	3.928	3.389	80.719	TE = 0.048	1200	15-08-33-200-003
0007 DED 0007-TE	80.070	5.123	1.212	80.070	0.069	3000	15-08-28-400-001

*TOTAL HOLDING ACREAGE BASED ON WILL COUNTY TAX MAPS

LARAWAY

POINT	NORTHING	EASTING	STATION	OFFSET
123	1754483.5266	1083923.8295	1175+10.51	75.00' LT.
146	1754443.6200	1085245.7300	1188+30.89	0.00' LT.
186	1754523.1900	1087886.7600	--	--
268	1754373.5200	1082607.1901	1161+91.42	0.00' RT.

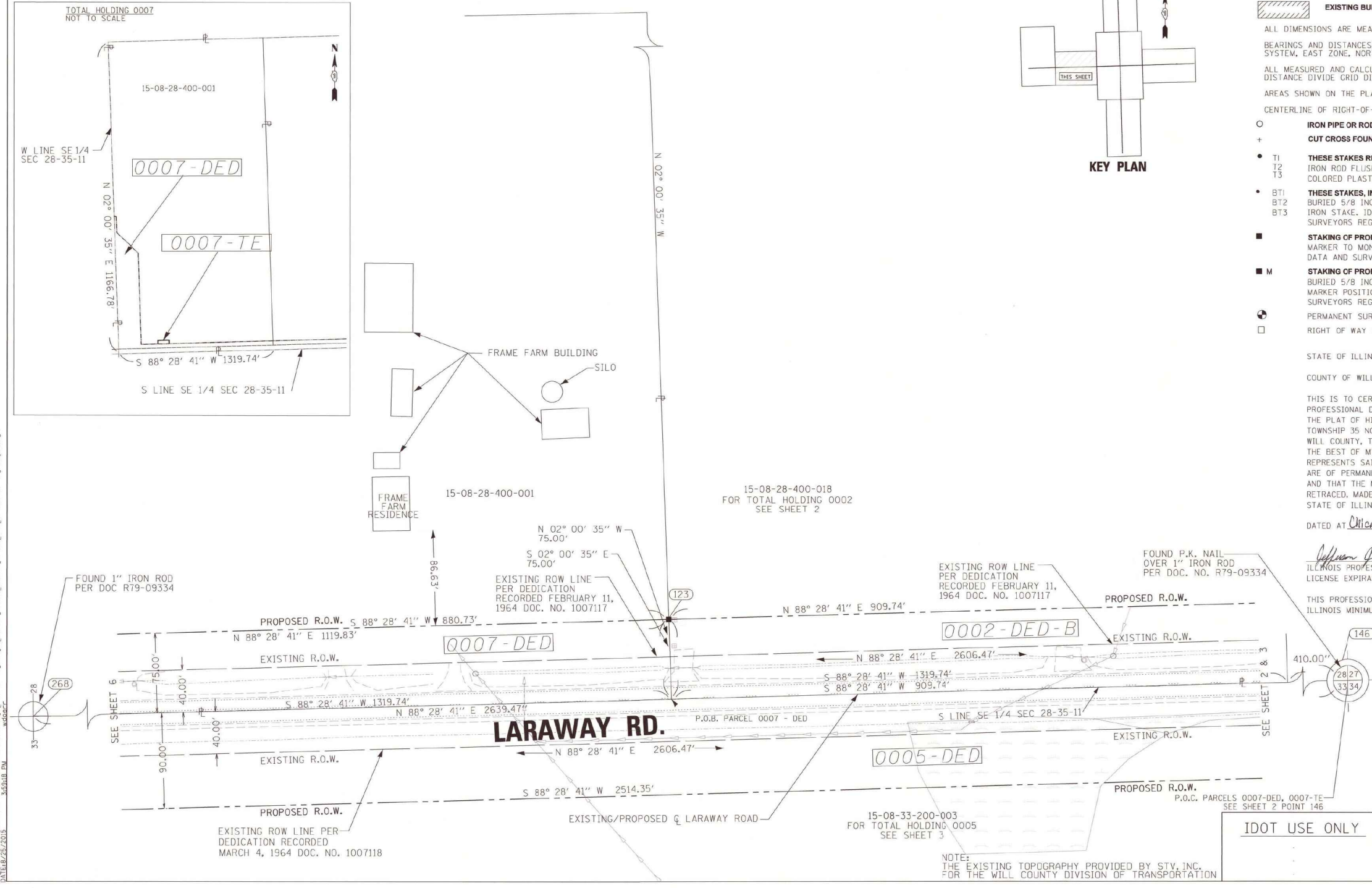
- LEGEND**
- TELEPHONE SPLICE BOX
 - HYDRANT
 - GAS METER
 - VAULT
 - WARNING SIGN
 - TOP OF RAIL
 - RAILROAD CROSSING CORNER
 - RAILROAD FLASHING SIGNAL
 - RAILROAD CROSSING GATE
 - PAVEMENT, EDGE
 - WETLANDS



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

GRAPHIC SCALE
FEET
SCALE: 1" = 50'



STATE OF ILLINOIS)
) SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT WE, SPAAN TECH INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM, NUMBER 184-002673, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 27, 28, 33, 34, TOWNSHIP 35 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL 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 WILL COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT Chicago, ILLINOIS THIS 11th DAY OF September 2015 A.D.

Jefferson J. Blanton
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003538
LICENSE EXPIRATION DATE: 11/30/2016

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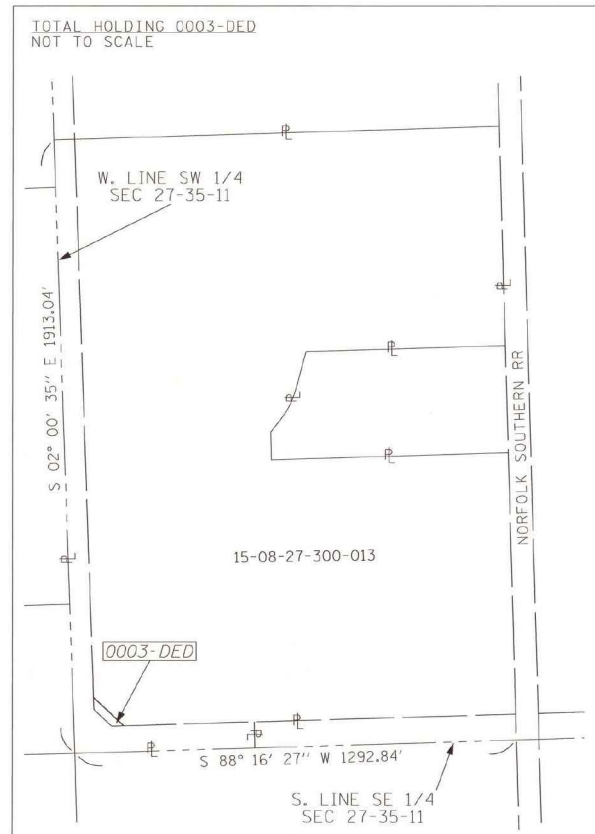
PLAT OF HIGHWAYS
WILL COUNTY
DIVISION OF TRANSPORTATION
CEDAR RD & LARAWAY RD

SECTION NUM: 08-00138-28-TL
STATION: 1169+90 TO STATION: 1180+66
SCALE: 1"=50' SHEET: 7 OF 8
JOB NO. R-55-001-97
16841 W. LARAWAY RD.
JOLIET, IL 60433

PART OF THE SW 1/4 SECTION 27, T35N, R11E OF THE 3RD P.M. IN WILL COUNTY, ILLINOIS

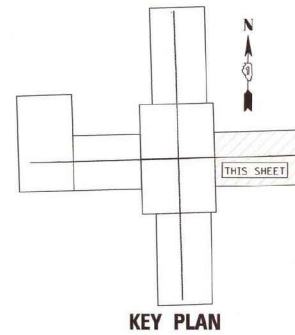
PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	PERMANENT INDEX NUMBER
0003-DED	55.640	0.0186	3.421	55.640			15-08-27-300-013

*TOTAL HOLDING ACREAGE BASED ON WILL COUNTY TAX MAPS



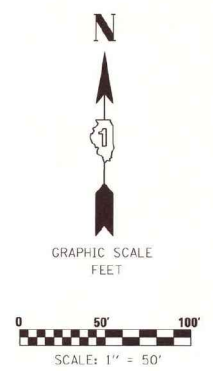
LEGEND

---○---	TELEPHONE SPLICE BOX
---	HYDRANT
---	GAS METER
---	VAULT
---	WARNING SIGN
---	TOP OF RAIL
---	RAILROAD CROSSING CORNER
---	RAILROAD FLASHING SIGNAL
---	RAILROAD CROSSING GATE
---	PAVEMENT, EDGE
---	WETLANDS



LEGEND

---	SECTION LINE
---	QUARTER SECTION LINE
---	QUARTER, QUARTER SECTION LINE
---	PLATTED LOT LINES
---	PROPERTY (DEED) LINE
---	APPARENT PROPERTY LINE
---	CENTERLINE
---	EXISTING RIGHT OF WAY LINE
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---	RECORDED DIMENSION
---	EXISTING BUILDING



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 AREAS SHOWN ON THE PLAT ARE "GROUND".
 CENTERLINE OF RIGHT-OF-WAY, CENTERLINE OF ROADWAYS AND SECTION LINES ARE IDENTICAL.

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

● T1
T2
T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 ● BT1
BT2
BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 ■ 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 2135 (TO BE SET BY OTHERS)
 □ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
) SS
 COUNTY OF WILL)

THIS IS TO CERTIFY THAT WE, SPAAN TECH INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM, NUMBER 184-002673, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 27, 28, 33, 34, TOWNSHIP 35 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL 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 WILL COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

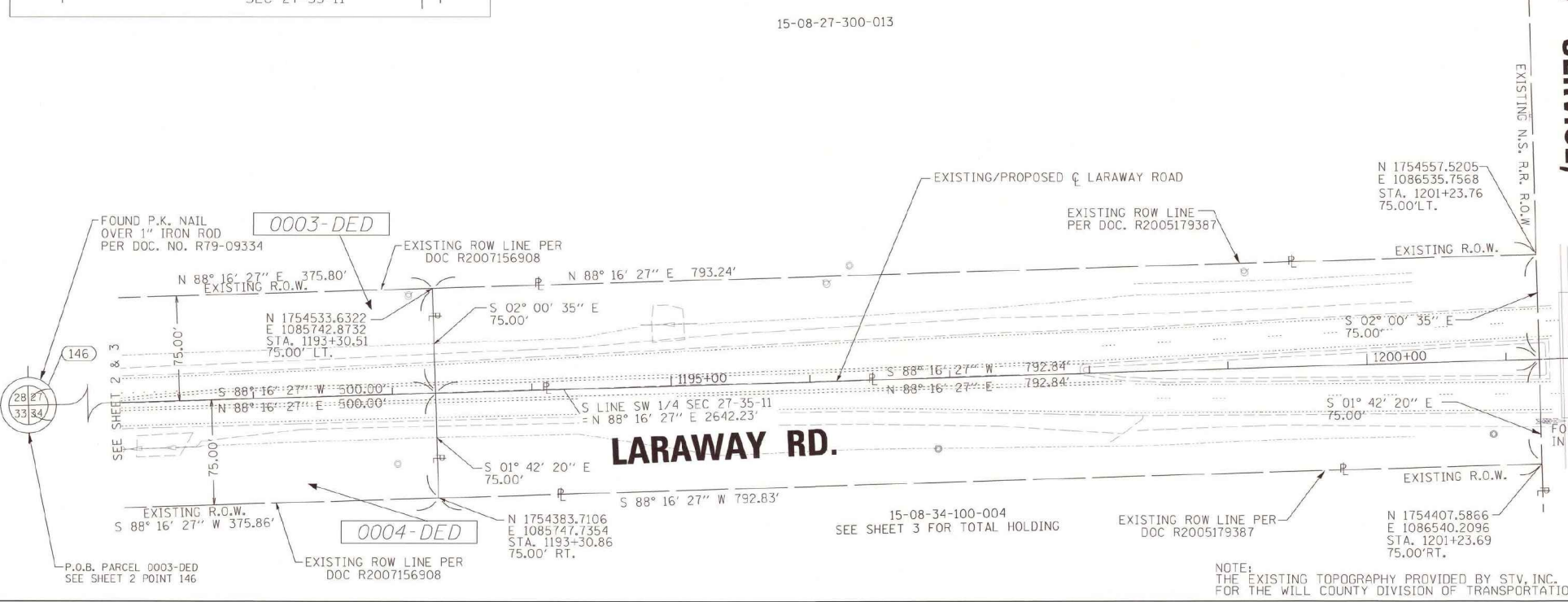
DATED AT Chicago, ILLINOIS THIS 11th DAY OF September 2015 A.D.

Jefferson J. Bragan
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003538
 LICENSE EXPIRATION DATE: 11/30/2016
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



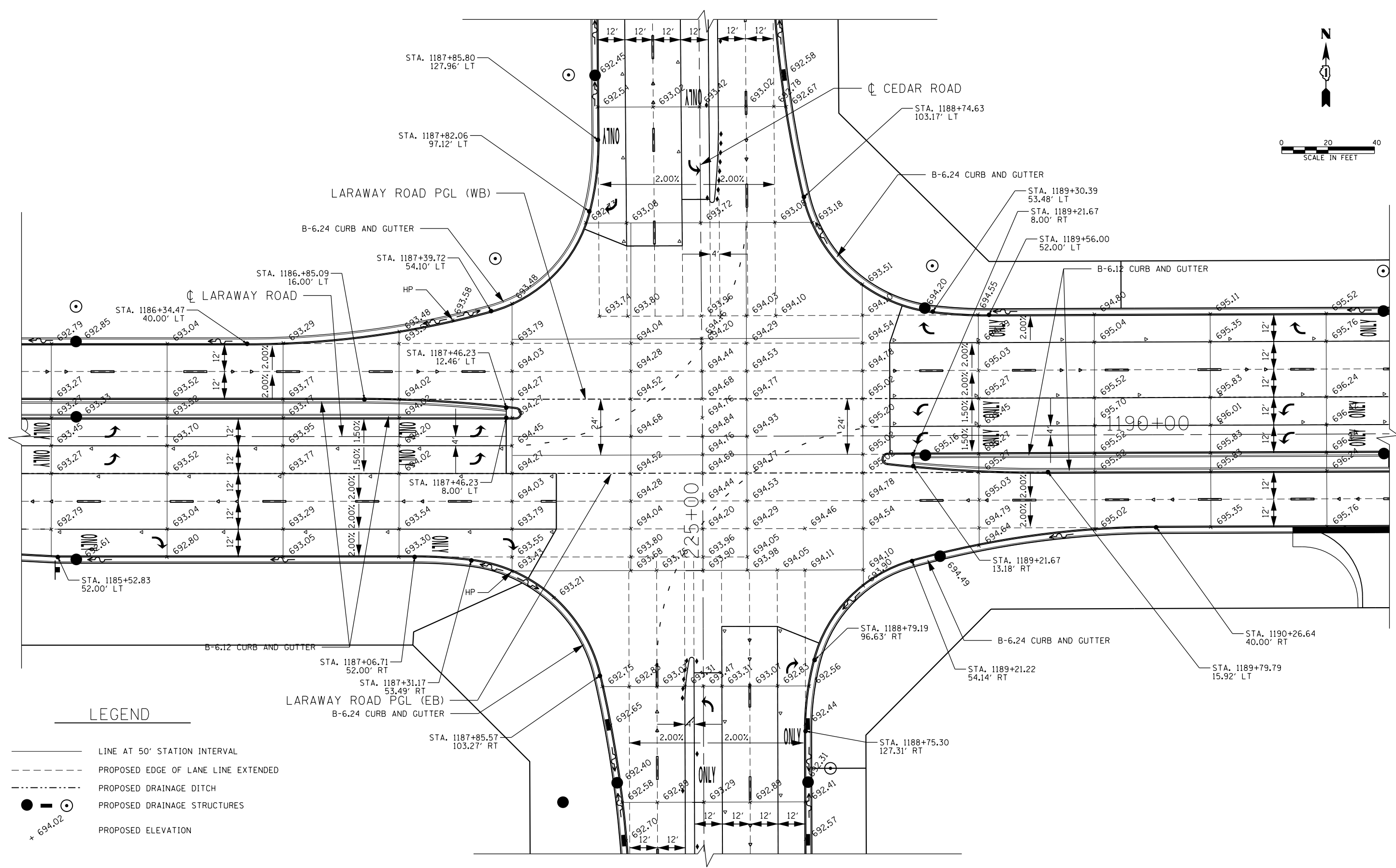
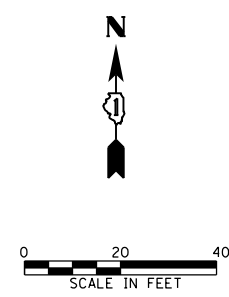
SPAAN Tech, Inc.
 311 South Wacker Drive, Suite 2400
 Chicago, IL 60606
 Professional Design Firm #184-002673
 Phone: 312.277.8800
 Fax: 312.277.8808
 Website: www.SpaanTech.com

PLAT OF HIGHWAYS
 WILL COUNTY
 DIVISION OF TRANSPORTATION
 CEDAR RD & LARAWAY RD
 SECTION NUM: 08-00138-28-TL
 STATION: 1191+05 TO STATION: 1202+00
 SCALE: 1"=50' SHEET: 8 OF 8
 JOB NO. R-55-001-97
 16841 W. LARAWAY RD.
 JOLIET, IL 60433



NOTE:
 THE EXISTING TOPOGRAPHY PROVIDED BY STV, INC.
 FOR THE WILL COUNTY DIVISION OF TRANSPORTATION

FILE NAME =	USER NAME = mohammed.oi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLATS OF HIGHWAYS LARAWAY ROAD AND CEDAR ROAD	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
P:\projects\13003\000\1\CADD\Sheets\401-684-sht-BLANK-PLATS.dgn	PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -			369	08-00138-28-TL	WILL	156	81	
#MODELNAME#	PLOT DATE = 4/13/2021	CHECKED -	REVISED -			CONTRACT NO. 61889					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



LEGEND

- LINE AT 50' STATION INTERVAL
- - - PROPOSED EDGE OF LANE LINE EXTENDED
- · - · - PROPOSED DRAINAGE DITCH
- ○ PROPOSED DRAINAGE STRUCTURES
- + 694.02 PROPOSED ELEVATION

FILE NAME =	USER NAME = mohammed.aj	DESIGNED JDW	REVISED -
P:\projects\13003\00\CADD\Sheets\401	684-sht-IntDetail.dgn	DRAWN JDW	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED RCH	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

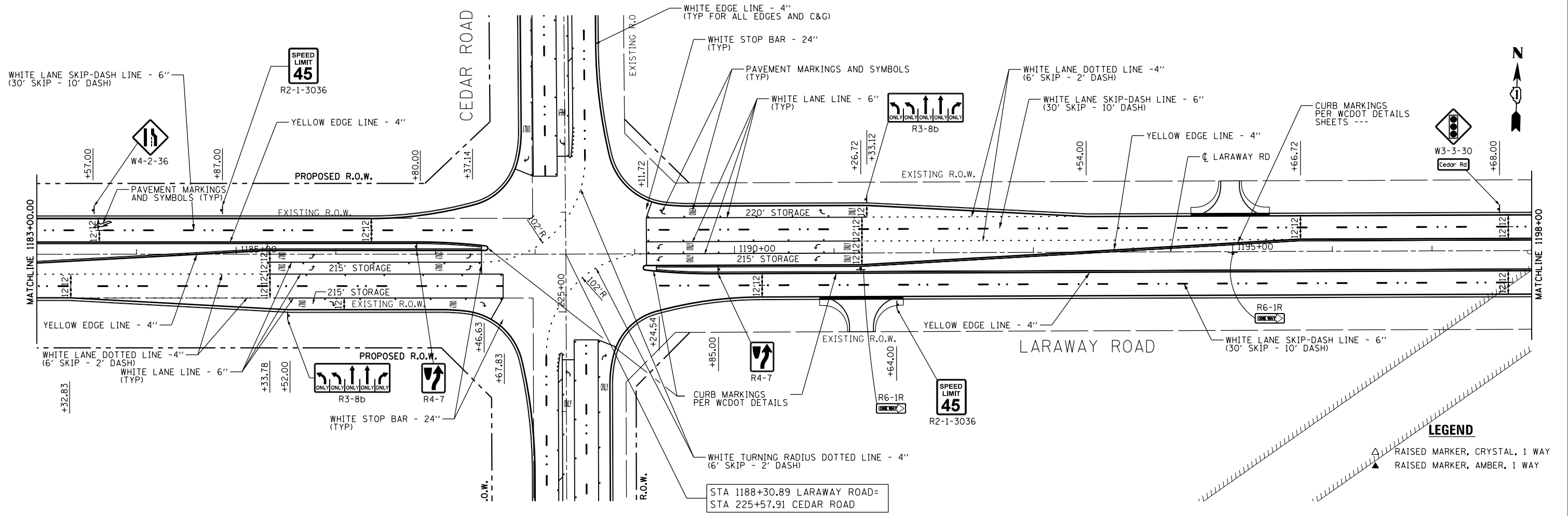
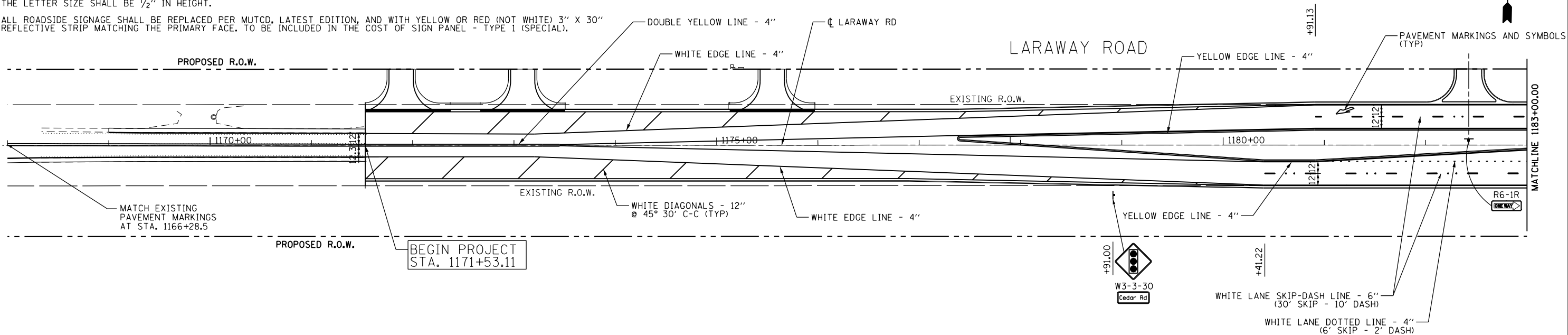
**INTERSECTION DETAILS
CEDAR ROAD AND LARAWAY ROAD**

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

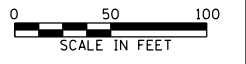
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	82
CONTRACT NO. 61889				
ILLINOIS FED. AID PROJECT				

NOTES:

1. ALL RAISED REFLECTIVE PAVEMENT MARKERS USED WITH SKIP DASHES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS, AND OFFSET 4 INCHES FROM THE CENTERLINE OF THE DASH TO MATCH THE EXISTING MARKERS ON THE COUNTY HIGHWAY
2. ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC, EXCEPT CURB MARKINGS SHALL BE POLYUREA AS SHOWN ON WCDOT DETAILS, SHEETS 130 & 131.
3. EACH SIGN FACE SHALL HAVE (EITHER IN SYMBOL OR IN WORDS) THE NAME OF THE FABRICATOR, THE MONTH AND YEAR OF FABRICATION, AND "WILL COUNTY DIVISION OF TRANSPORTATION" IN THE BORDER AT THE LOWER EDGE OF SIGN FACE. THE LETTER SIZE SHALL BE 1/2" IN HEIGHT.
4. ALL ROADSIDE SIGNAGE SHALL BE REPLACED PER MUTCD, LATEST EDITION, AND WITH YELLOW OR RED (NOT WHITE) 3" X 30" REFLECTIVE STRIP MATCHING THE PRIMARY FACE. TO BE INCLUDED IN THE COST OF SIGN PANEL - TYPE 1 (SPECIAL).



LEGEND
 ▲ RAISED MARKER, CRYSTAL, 1 WAY
 ▲ RAISED MARKER, AMBER, 1 WAY

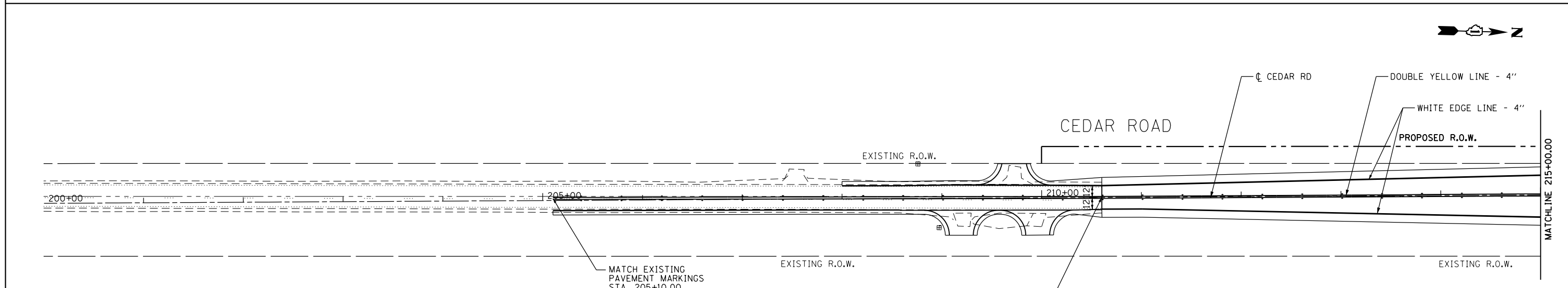
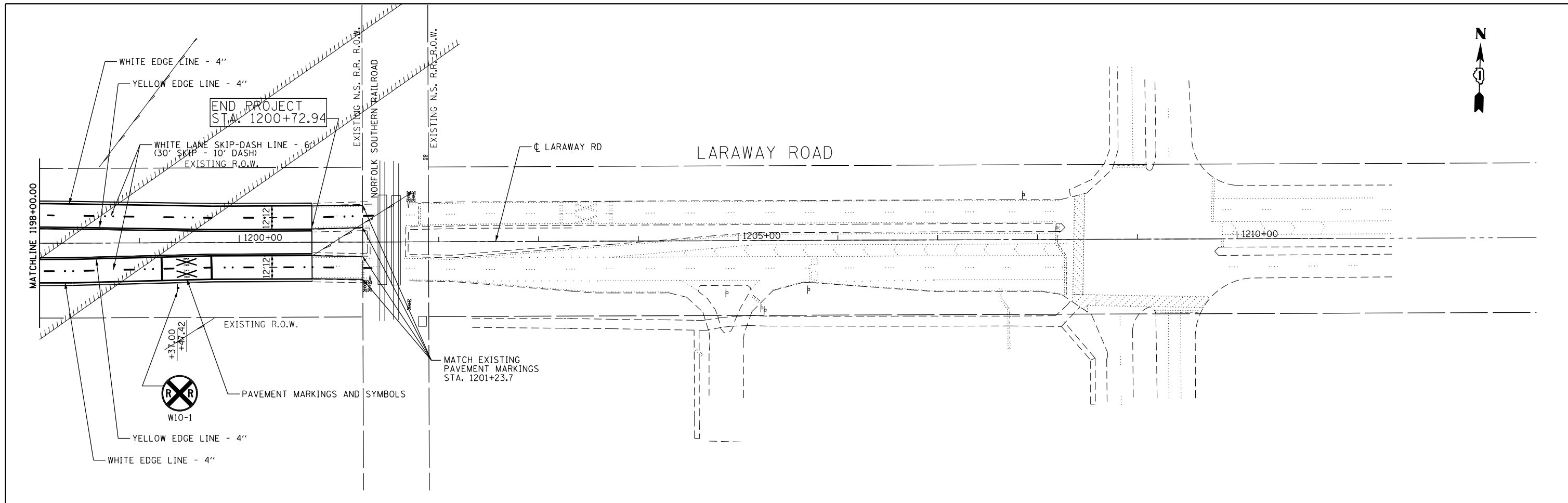


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	PLOT DATE = 4/13/2021	DATE	3/31/21	REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNAGE PLANS	
CEDAR ROAD AND LARAWAY ROAD	
SCALE:	SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	83
CONTRACT NO. 61889				
ILLINOIS FED. AID PROJECT				



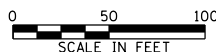
NOTES:

1. ALL RAISED REFLECTIVE PAVEMENT MARKERS USED WITH SKIP DASHES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS, AND OFFSET 4 INCHES FROM THE CENTERLINE OF THE DASH TO MATCH THE EXISTING MARKERS ON THE COUNTY HIGHWAY
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3. EACH SIGN FACE SHALL HAVE (EITHER IN SYMBOL OR IN WORDS) THE NAME OF THE FABRICATOR, THE MONTH AND YEAR OF FABRICATION, AND "WILL COUNTY DIVISION OF TRANSPORTATION" IN THE BORDER AT THE LOWER EDGE OF SIGN FACE. THE LETTER SIZE SHALL BE 1/2" IN HEIGHT.
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BEGIN PROJECT
STA. 210+60.42

LEGEND

- △ RAISED MARKER, CRYSTAL, 1 WAY
- ▲ RAISED MARKER, AMBER, 1 WAY



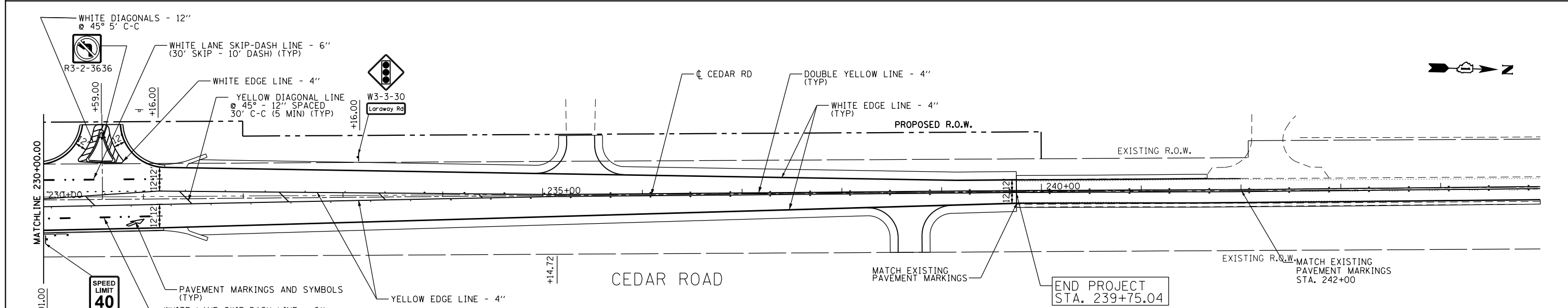
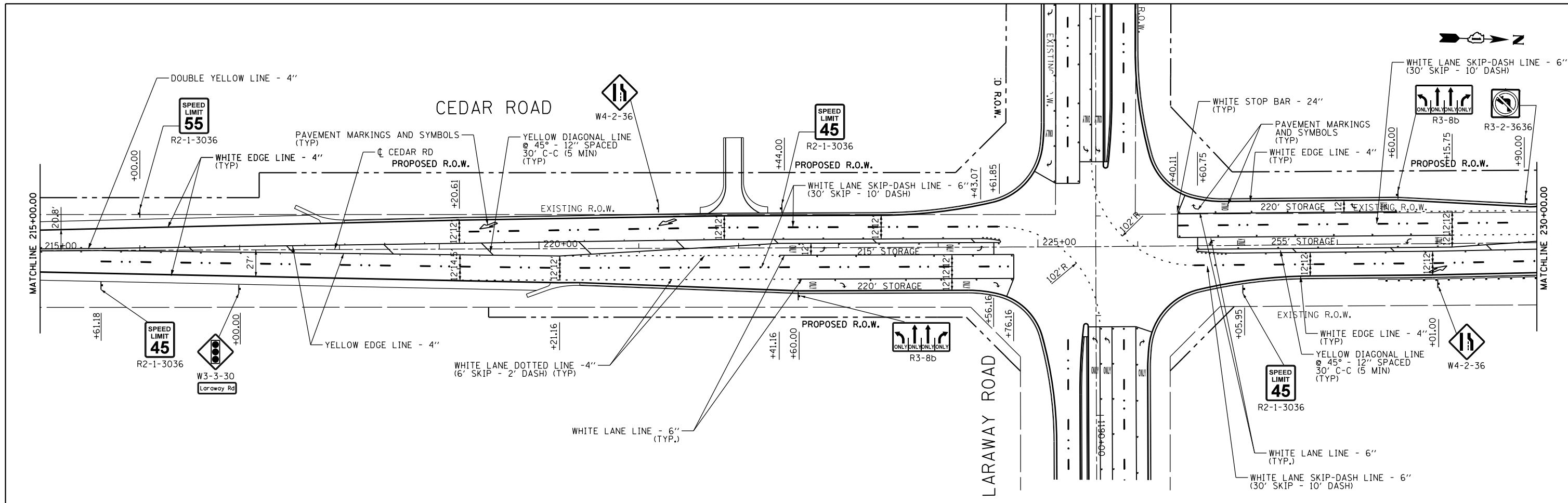
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#MODELNAME#	PLOT DATE = 4/13/2021	DATE	3/31/21	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNAGE PLANS
CEDAR ROAD AND LARAWAY ROAD**

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	84
			CONTRACT NO. 61889	
ILLINOIS FED. AID PROJECT				

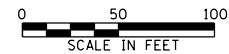


NOTES:

1. ALL RAISED REFLECTIVE PAVEMENT MARKERS USED WITH SKIP DASHES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS, AND OFFSET 4 INCHES FROM THE CENTERLINE OF THE DASH TO MATCH THE EXISTING MARKERS ON THE COUNTY HIGHWAY
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LEGEND

- △ RAISED MARKER, CRYSTAL, 1 WAY
- ▲ RAISED MARKER, AMBER, 1 WAY
- ◆ RAISED MARKER, AMBER, 2 WAY



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











**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNAGE PLANS
CEDAR ROAD AND LARAWAY ROAD**

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	85
CONTRACT NO. 61889				
ILLINOIS FED. AID PROJECT				

LEGEND

-  SODDING, SALT TOLERANT
-  PERMANENT RIPRAP
-  SEEDING, CLASS 2A*
-  SEEDING, CLASS 4*
-  PROPOSED ELEVATION
-  WITH EROSION CONTROL BLANKET
-  PROPOSED CONTOUR
-  LOW POINT (SAG)
-  HIGH POINT
-  DITCH FLOW
-  STORMWATER OUTLET
-  DRAINAGE SWALE

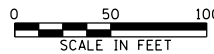


MATCHLINE 1171+00.00

LARAWAY ROAD

1165+00

PERMANENT EROSION CONTROL BLANKET
SEE SHEET 51



FILE NAME =	USER NAME = mohammed.a1	DESIGNED	JDW	REVISED	-
P:\projects\13003\000\CADD_Sheets\401	684-sht-Grading.dgn	DRAWN	JDW	REVISED	-
	PLOT SCALE = 100.0000' / 1".	CHECKED	RCH	REVISED	-
MODELNAME	PLOT DATE = 4/13/2021	DATE	3/31/21	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

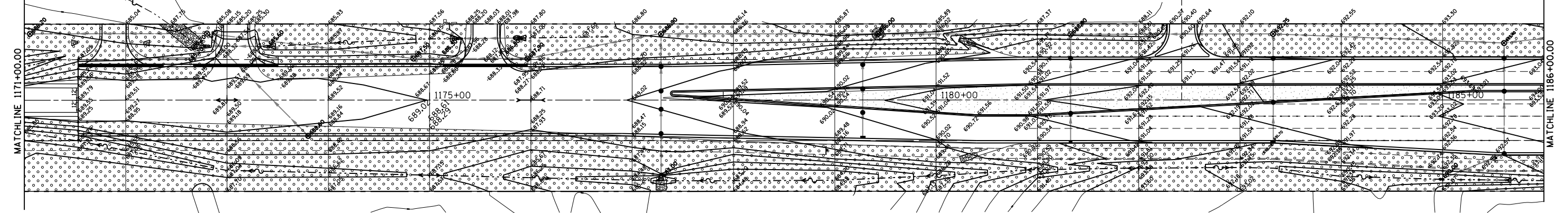
**LANDSCAPE AND GRADING PLAN
CEDAR ROAD AND LARAWAY ROAD**

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	86
CONTRACT NO. 61889				
ILLINOIS FED. AID PROJECT				



LARAWAY ROAD

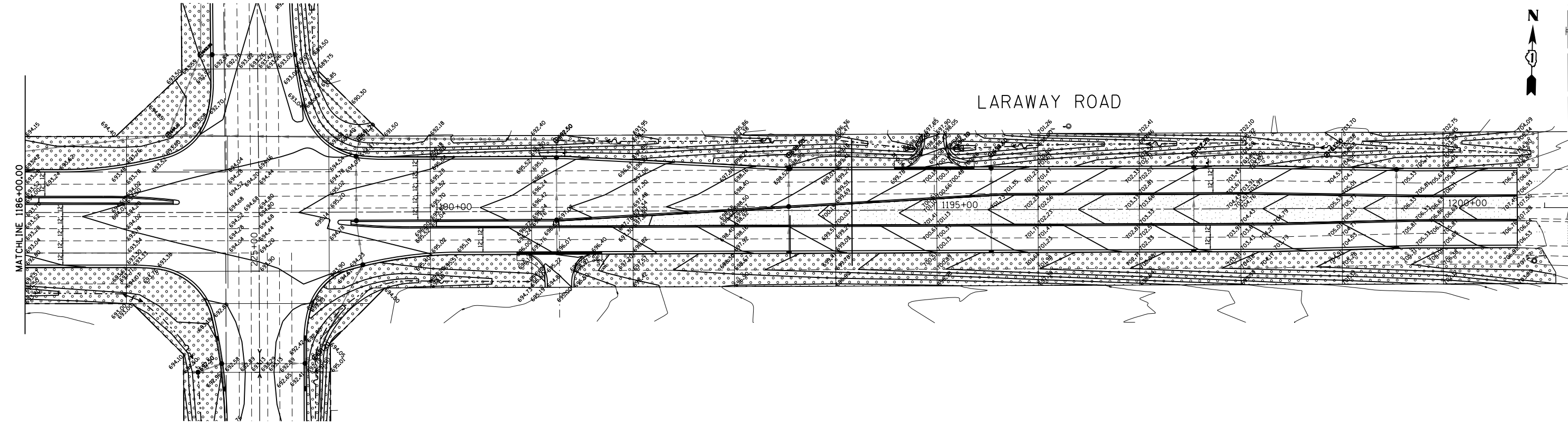


LEGEND

- SODDING, SALT TOLERANT
- PERMANENT RIPRAP
- SEEDING, CLASS 2A*
- SEEDING, CLASS 4*
- PROPOSED ELEVATION
- WITH EROSION CONTROL BLANKET
- 690 — PROPOSED CONTOUR
- LOW POINT (SAG)
- HIGH POINT
- DITCH FLOW
- STORMWATER OUTLET
- DRAINAGE SWALE



LARAWAY ROAD



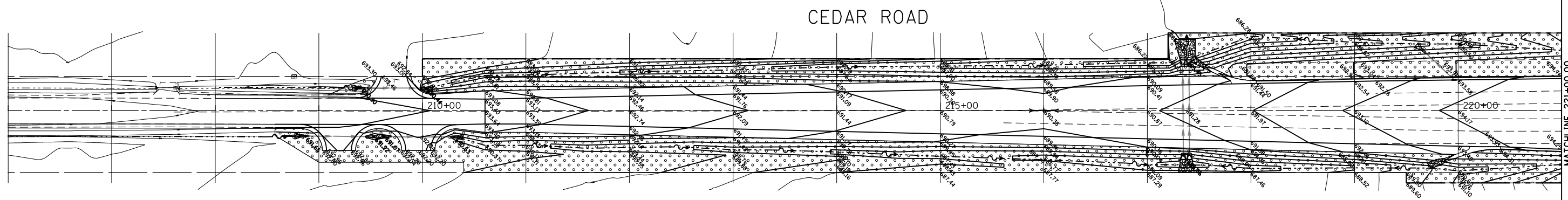
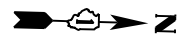
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PLOT DATE = 4/13/2021		DATE 3/31/21	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPE AND GRADING PLAN
CEDAR ROAD AND LARAWAY ROAD**

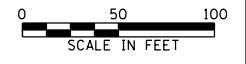
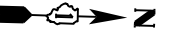
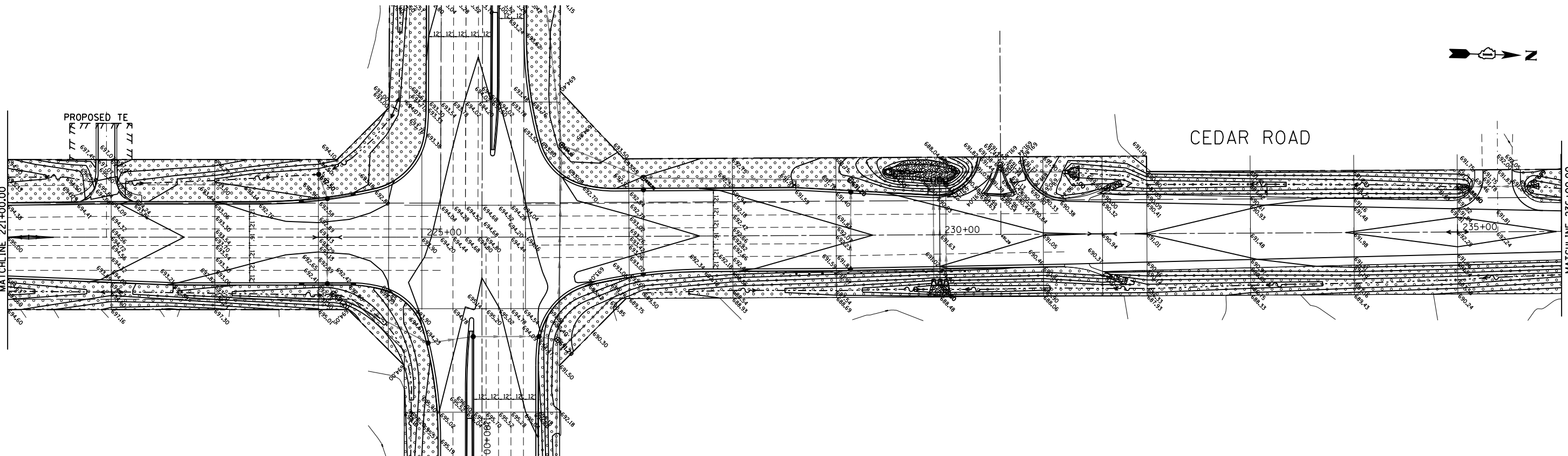
SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	87
				CONTRACT NO. 61B89
ILLINOIS FED. AID PROJECT				



LEGEND

- SODDING, SALT TOLERANT
- PERMANENT RIPRAP
- SEEDING, CLASS 2A*
- SEEDING, CLASS 4*
- PROPOSED ELEVATION
- WITH EROSION CONTROL BLANKET
- 690 PROPOSED CONTOUR
- LOW POINT (SAG)
- HIGH POINT
- DITCH FLOW
- STORMWATER OUTLET
- DRAINAGE SWALE



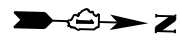
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

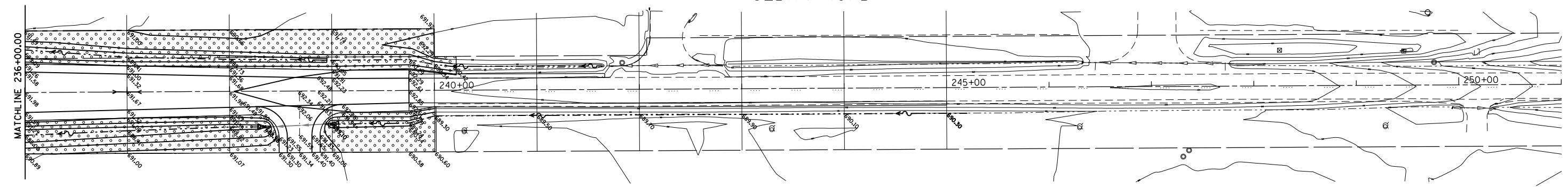
**LANDSCAPE AND GRADING PLAN
CEDAR ROAD AND LARAWAY ROAD**

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	88
				CONTRACT NO. 61B89
ILLINOIS FED. AID PROJECT				

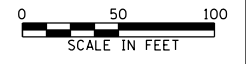


CEDAR ROAD



LEGEND

- SODDING, SALT TOLERANT
- PERMANENT RIPRAP
- SEEDING, CLASS 2A•
- SEEDING, CLASS 4•
- PROPOSED ELEVATION
- WITH EROSION CONTROL BLANKET
- 690 — PROPOSED CONTOUR
- LOW POINT (SAG)
- HIGH POINT
- DITCH FLOW
- STORMWATER OUTLET
- DRAINAGE SWALE



FILE NAME =	USER NAME = mohammed.a1	DESIGNED	JDW	REVISED	-	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LANDSCAPE AND GRADING PLAN CEDAR ROAD AND LARAWAY ROAD	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
P:\projects\13003\000\CADD_Sheets\401	684-sh1-Grading.dgn	DRAWN	JDW	REVISED	-			369	08-00138-28-TL	WILL	156	89	
MODELNAME	PLOT SCALE = 100.0000' / 1"	CHECKED	RCH	REVISED	-			CONTRACT NO. 61B89					
	PLOT DATE = 4/13/2021	DATE	3/31/21	REVISED	-			SCALE:	SHEET 3 OF 3 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

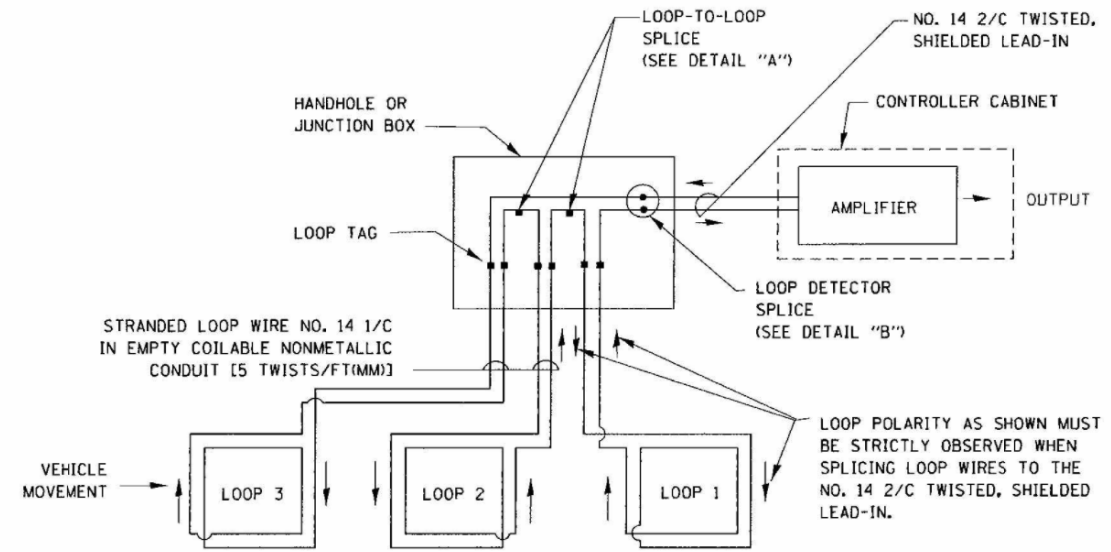
TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE			SIGNAL HEAD		
COMMUNICATION CABINET			-ROUND			-(P) PROGRAMMABLE SIGNAL HEAD		
MASTER CONTROLLER			HEAVY DUTY HANDHOLE -SQUARE					
MASTER MASTER CONTROLLER			-ROUND			SIGNAL HEAD WITH BACKPLATE		
UNINTERRUPTABLE POWER SUPPLY			DOUBLE HANDHOLE			-(P) PROGRAMMABLE SIGNAL HEAD		
SERVICE INSTALLATION -(P) POLE MOUNTED			JUNCTION BOX			-(RB) RETROREFLECTIVE BACKPLATE		
SERVICE INSTALLATION -(G) GROUND MOUNTED			RAILROAD CANTILEVER MAST ARM			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
-(GM) GROUND MOUNTED METERED			RAILROAD FLASHING SIGNAL			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
TELEPHONE CONNECTION			RAILROAD CROSSING GATE			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CROSSBUCK			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
ALUMINUM MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COAXIAL CABLE		
WOOD POLE			SYSTEM ITEM			VENDOR CABLE		
GUY WIRE			INTERSECTION ITEM			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL HEAD			REMOVE ITEM			FIBER OPTIC CABLE -NO. 62.5/125, MM12F		
SIGNAL HEAD WITH BACKPLATE			RELOCATE ITEM			-NO. 62.5/125, MM12F SM12F		
SIGNAL HEAD OPTICALLY PROGRAMMED			ABANDON ITEM			-NO. 62.5/125, MM12F SM24F		
FLASHER INSTALLATION -(FS) SOLAR POWERED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			GROUND ROD -(C) CONTROLLER		
			MAST ARM POLE AND FOUNDATION TO BE REMOVED			-(M) MAST ARM		
			SIGNAL POST AND FOUNDATION TO BE REMOVED			-(P) POST		
			DETECTOR LOOP, TYPE I			-(S) SERVICE		
PEDESTRIAN SIGNAL HEAD			PREFORMED DETECTOR LOOP					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			SAMPLING (SYSTEM) DETECTOR					
RADAR DETECTION SENSOR			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
VIDEO DETECTION CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			WIRELESS DETECTOR SENSOR					
PAN, TILT, ZOOM (PTZ) CAMERA			WIRELESS ACCESS POINT					
EMERGENCY VEHICLE LIGHT DETECTOR								
CONFIRMATION BEACON								
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

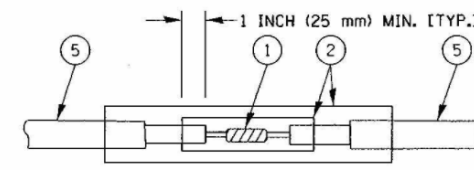
LOOP DETECTOR NOTES

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.

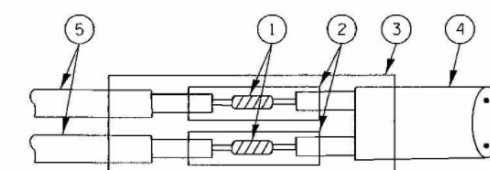


DETECTOR LOOP WIRING SCHEMATIC

- 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.

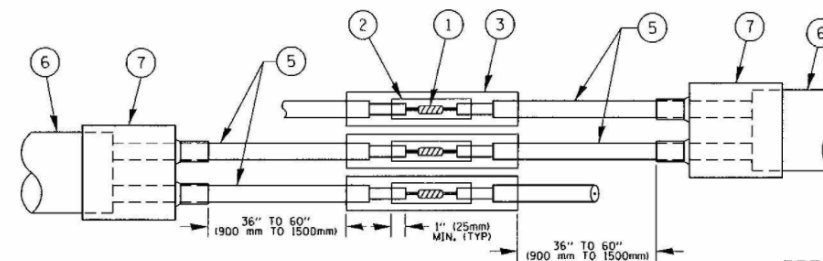


DETAIL "A"
LOOP-TO-LOOP SPLICE

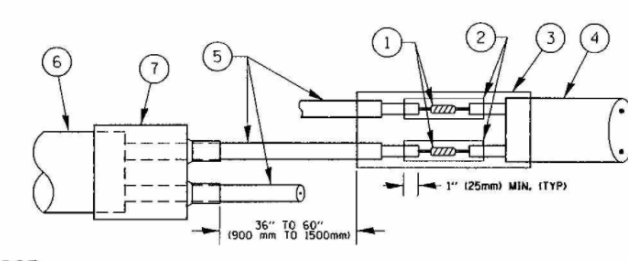


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

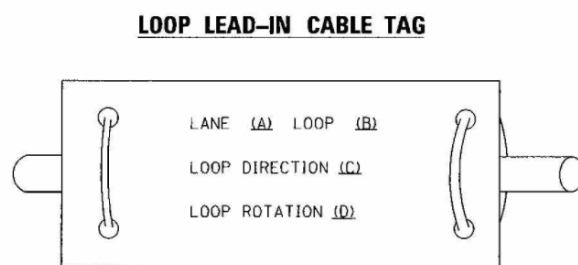


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

LOOP DETECTOR SPLICE

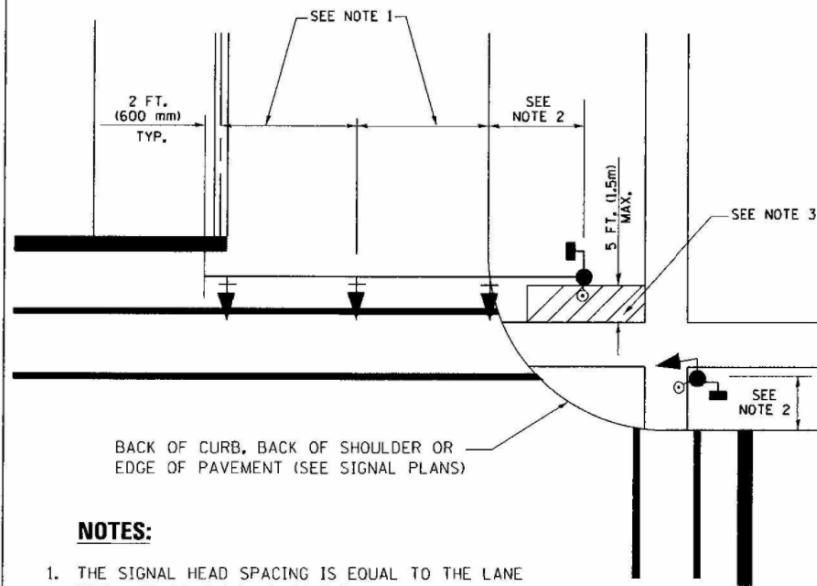
- ① WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- ② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.
- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- ⑥ PREFORMED LOOP
- ⑦ XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS.



- 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.

TS-2	FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS		F.A. - RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLT DATE = 1/13/2014	DATE - 3/31/2021	REVIS	REVIS		SCALE: NONE		SHEET NO. 2 OF 7 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT		
										CONTRACT NO. 61G89			

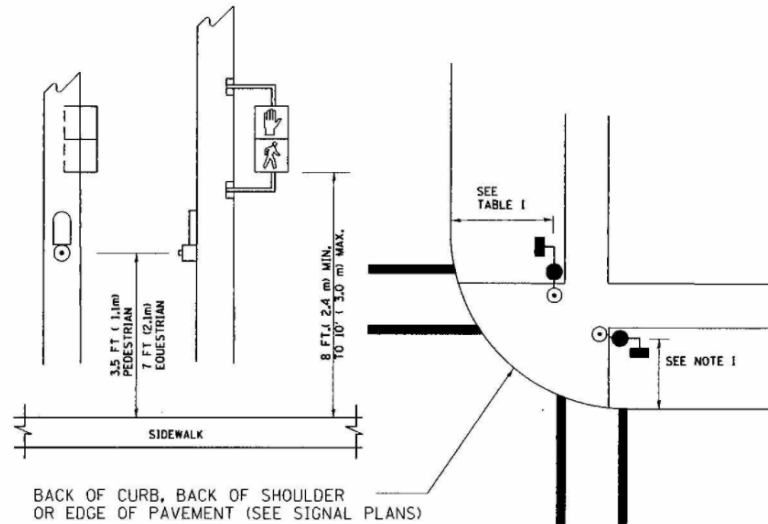
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



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."

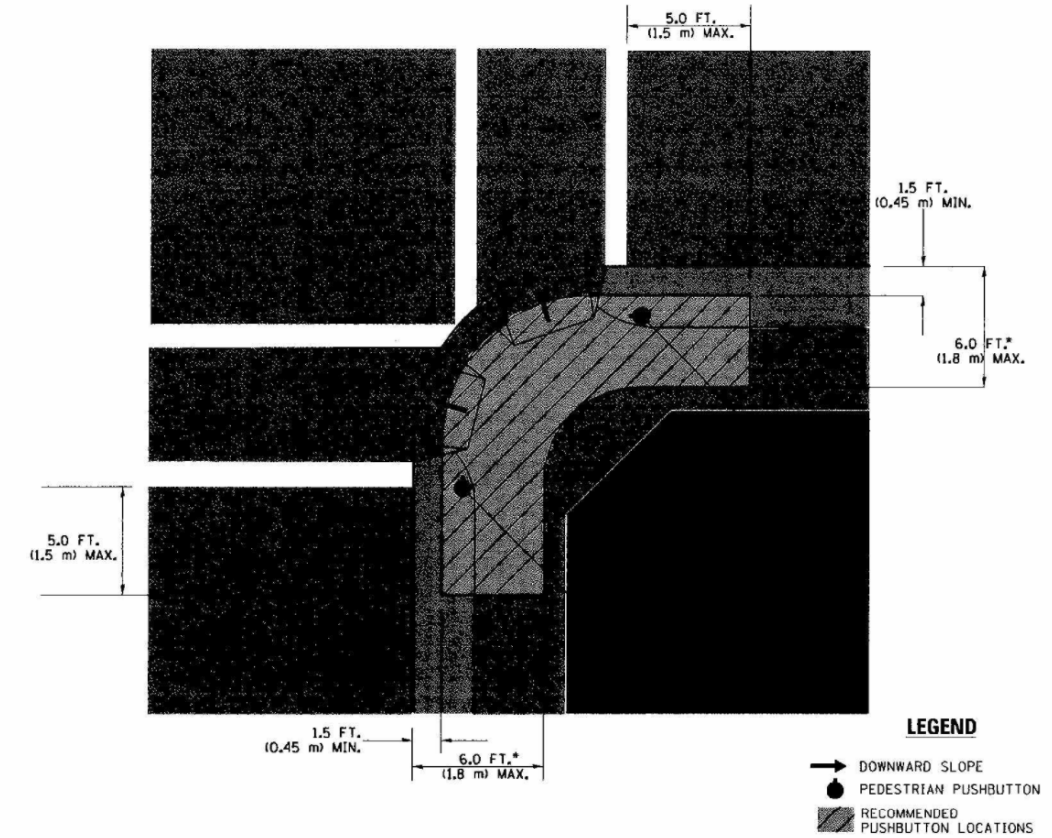
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



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



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ 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 TO THE 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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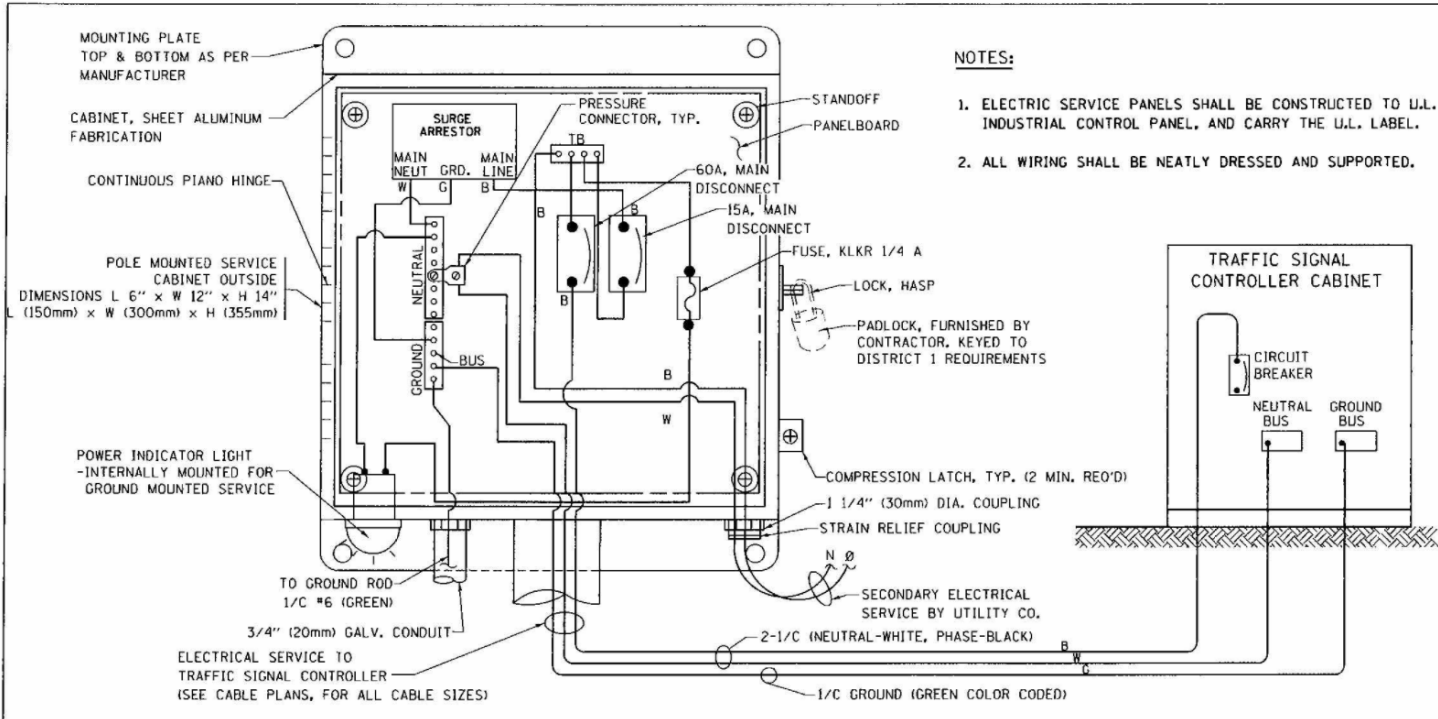
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

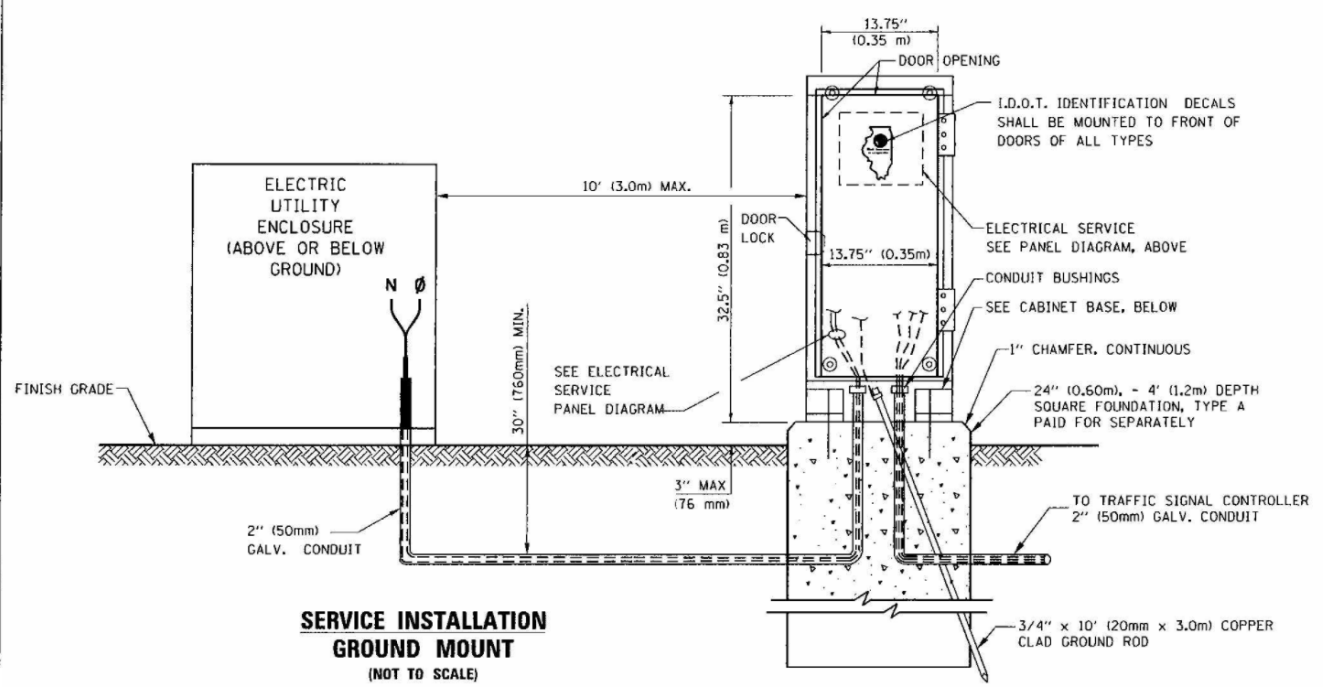
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F.A. - RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TS-05		CONTRACT NO. 61G89		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

TS-5

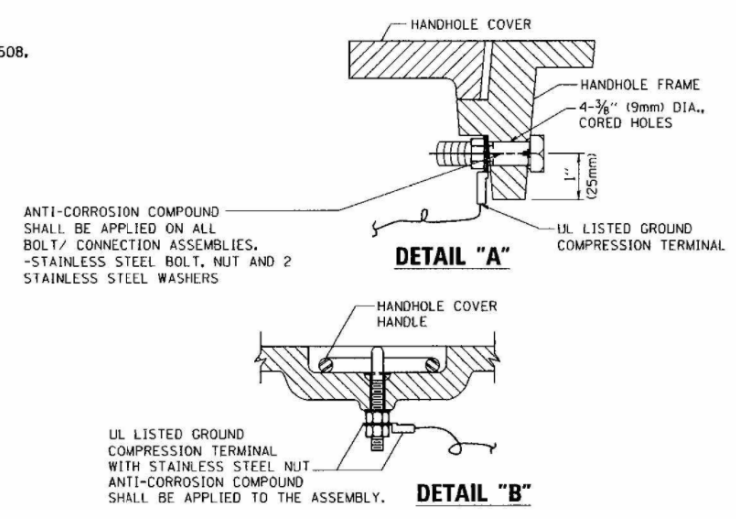
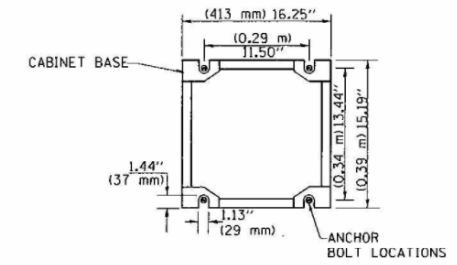


ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE) SERVICE INSTALLATION POLE MOUNT (SHOWN) (NOT TO SCALE)



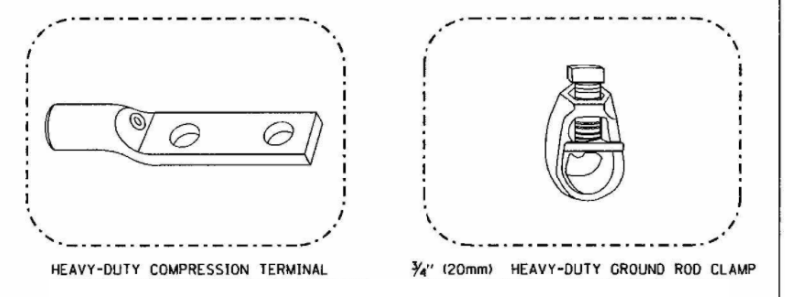
SERVICE INSTALLATION GROUND MOUNT (NOT TO SCALE)

CABINET - BASE BOLT PATTERN (NOT TO SCALE)



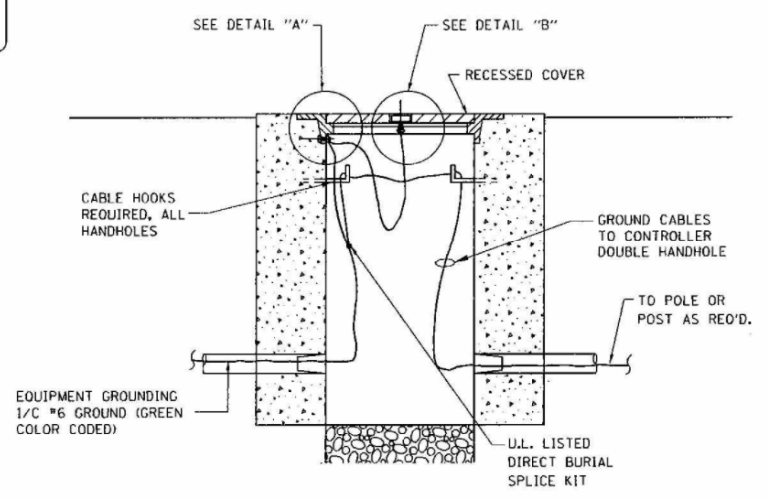
NOTES: GROUNDING SYSTEM

- 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, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
- 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 CONDUCTORS BE CONNECTED.
- ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

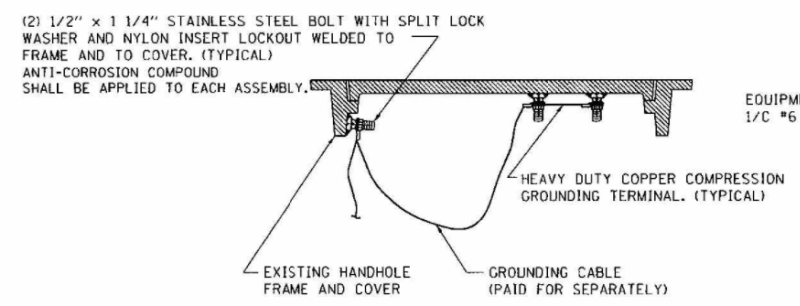


NOTES:

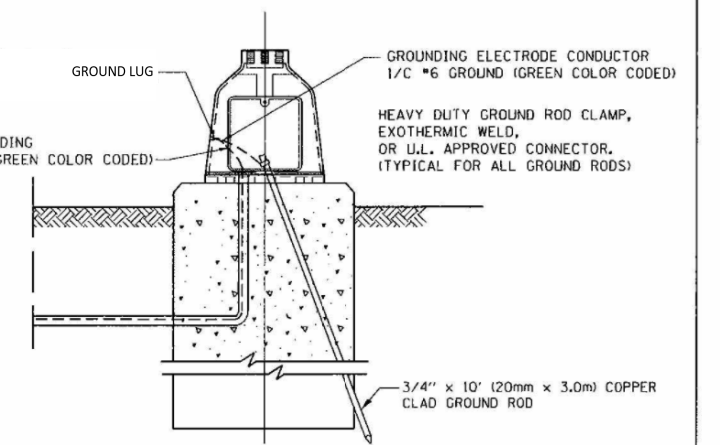
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



HANDHOLE COVER & FRAME - GROUNDING DETAIL (NOT TO SCALE)

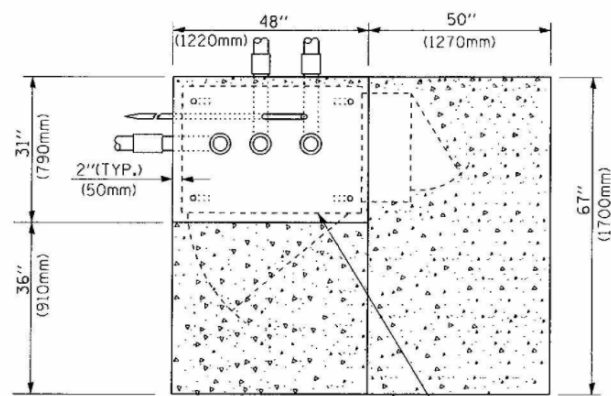


EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL (NOT TO SCALE)

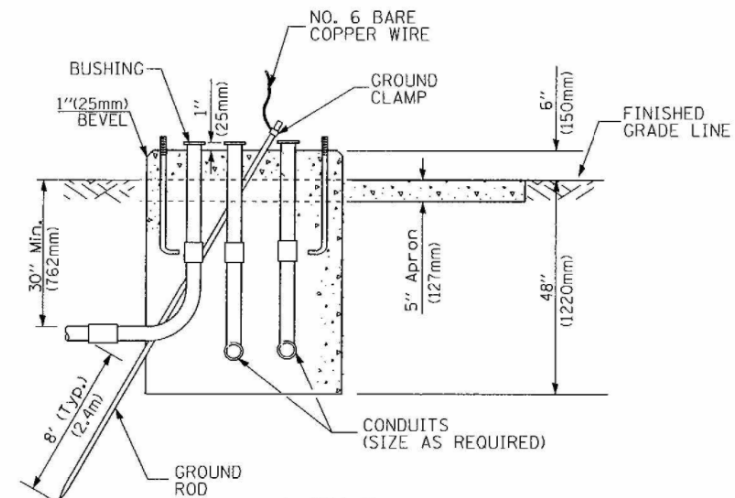


MAST ARM POLE / POST-GROUNDING DETAIL (NOT TO SCALE)

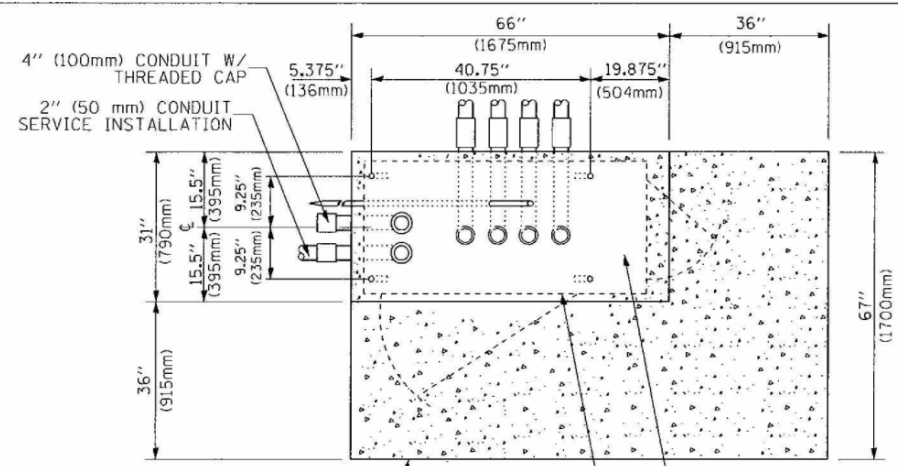
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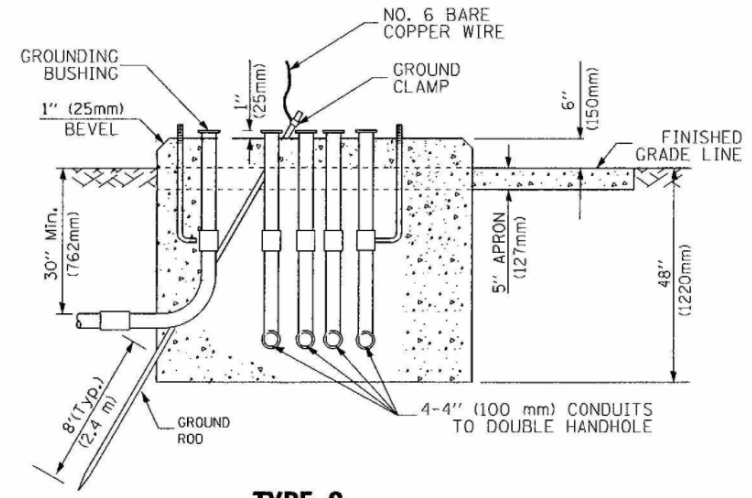
TOP VIEW



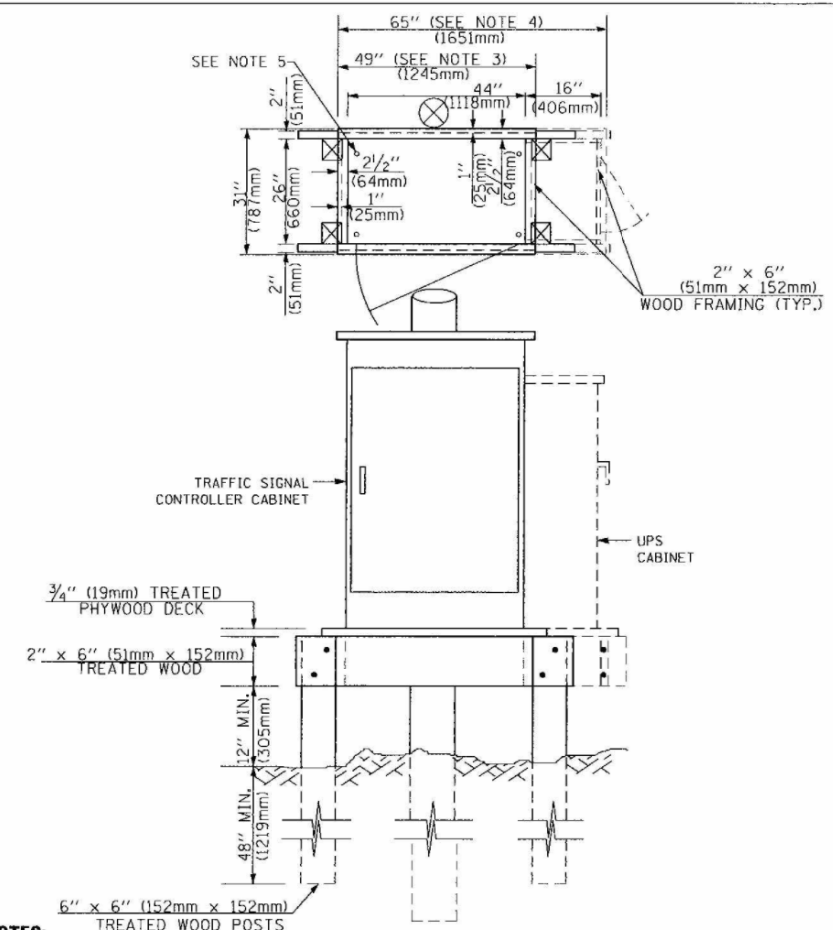
**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



TOP VIEW



**TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS**



- NOTES:**
- 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.
 - BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
 - PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
 - PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
 - 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.
 - 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

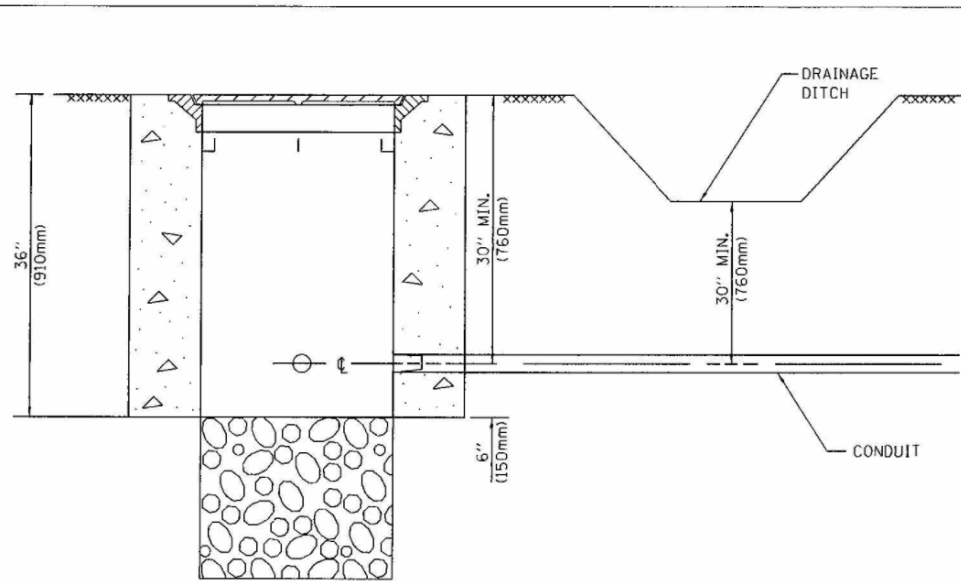
MAST ARM LENGTH	FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	35" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m) and up to 85' (25.9 m)	25'-0" (7.6 m)	42" (1060mm)	35" (900mm)	16	8(25)

- NOTES:**
- These foundation depths are for sites which have cohesive soils (clay 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.
 - Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
 - Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
 - For mast arm assemblies with dual arms refer to state standard 878001.

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

FILE NAME =	USER NAME = faatemj	DESIGNED - DAG	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A. -	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLT SCALE = 50.0000' / in.	DRAWN - BCK	REVISED -	369			08-100-138-28-TL	WILL	156	94		
PLT DATE = 1/13/2014	CHECKED - DAD	REVISED -	TS-05			CONTRACT NO. 61G89					
	DATE - 3/31/2021	REVISED -	SCALE: NONE			SHEET NO. 5 OF 7 SHEETS		STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

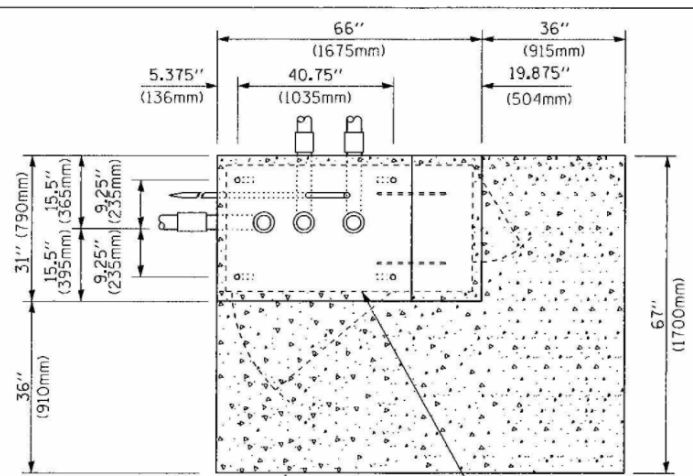
TS-5



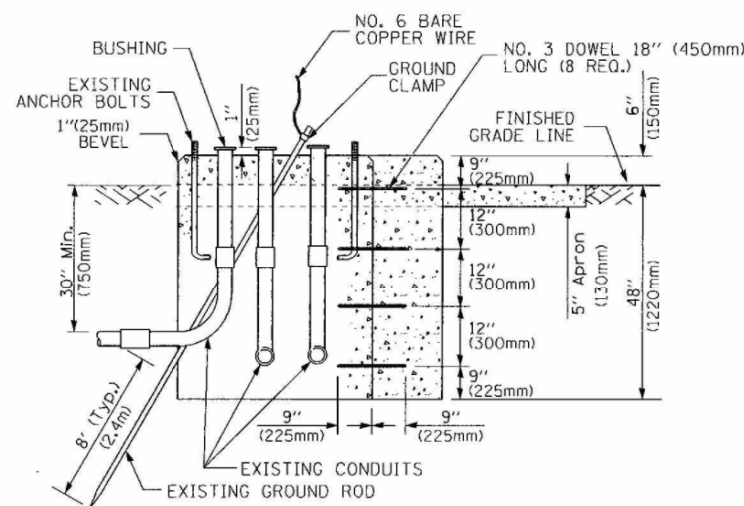
NOTES:

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.

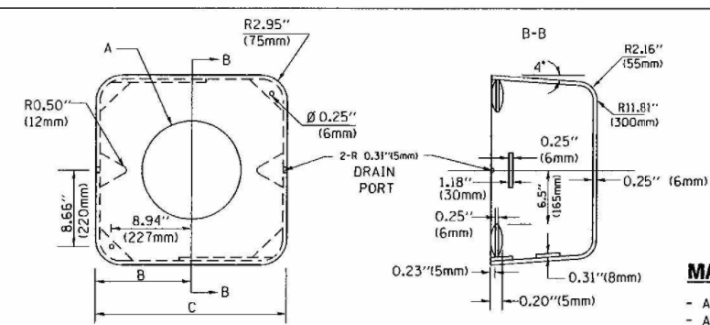
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



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)

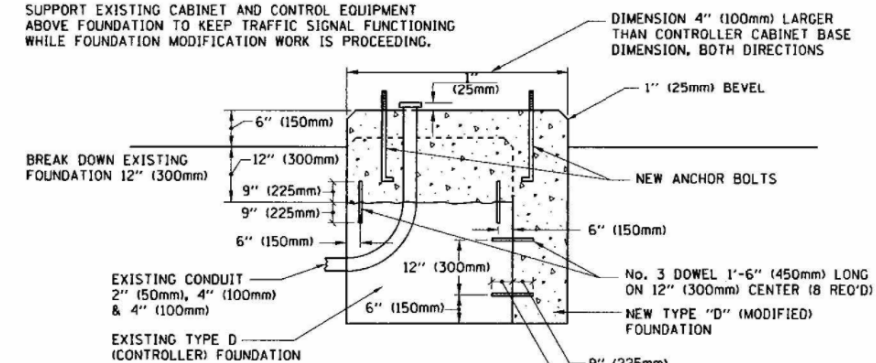
SHROUD

NOTES:

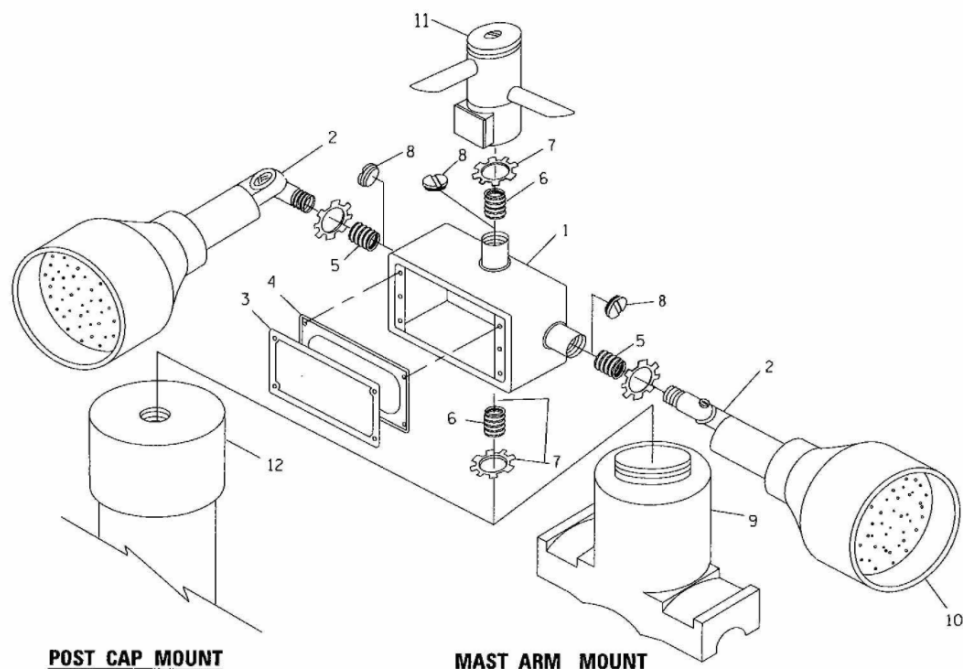
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

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

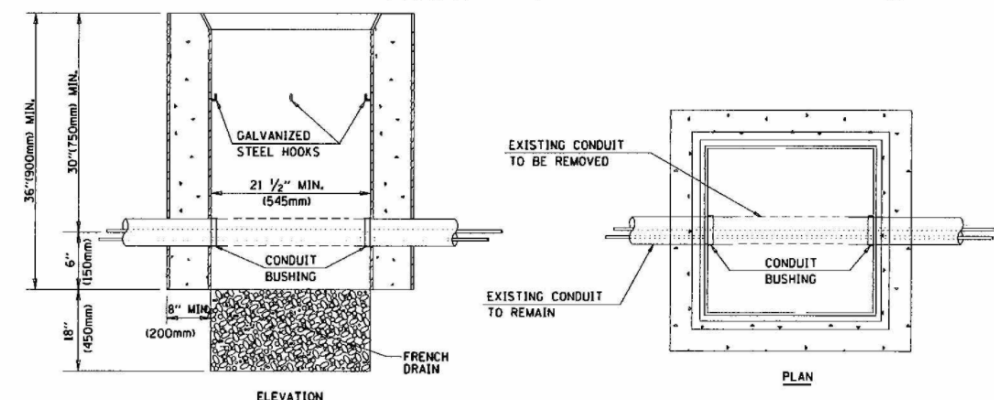
MAST ARM MOUNT

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	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (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. 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

TS-6

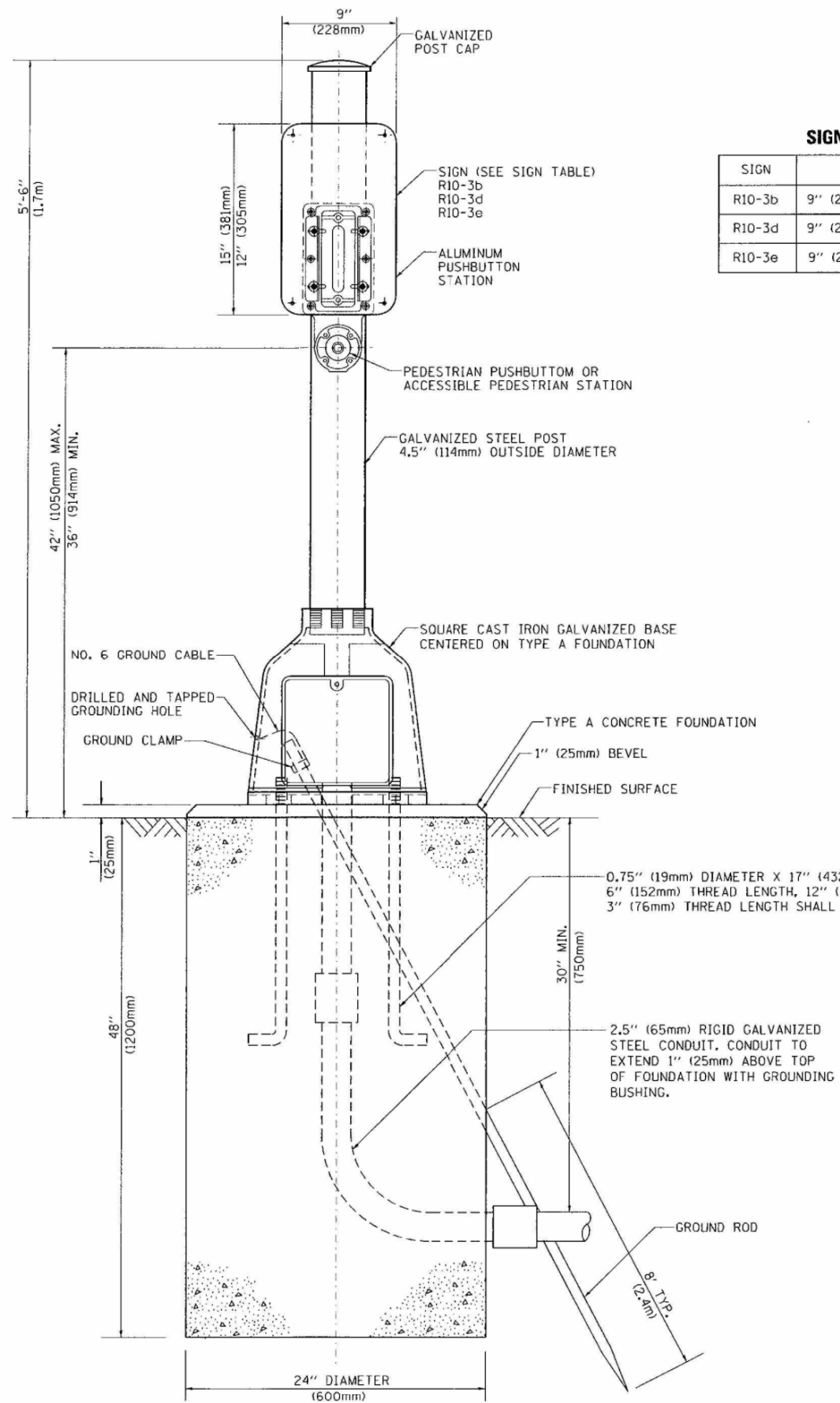
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		CHECKED - DAD	REVISED -
		DATE - 3/31/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

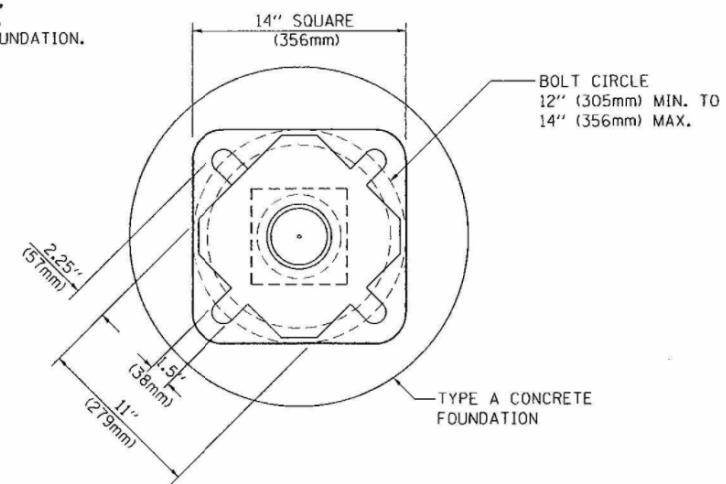
SCALE: NONE SHEET NO. 6 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-100-138-28-TL	WILL	156	95
TS-05		CONTRACT NO. 61G89		
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



SIGN TABLE

SIGN	DIMENSIONS
R10-3b	9" (228mm) X 12" (305mm)
R10-3d	9" (228mm) X 12" (305mm)
R10-3e	9" (228mm) X 15" (381mm)



BOLT PATTERN

PEDESTRIAN PUSH BUTTON POST, TYPE A

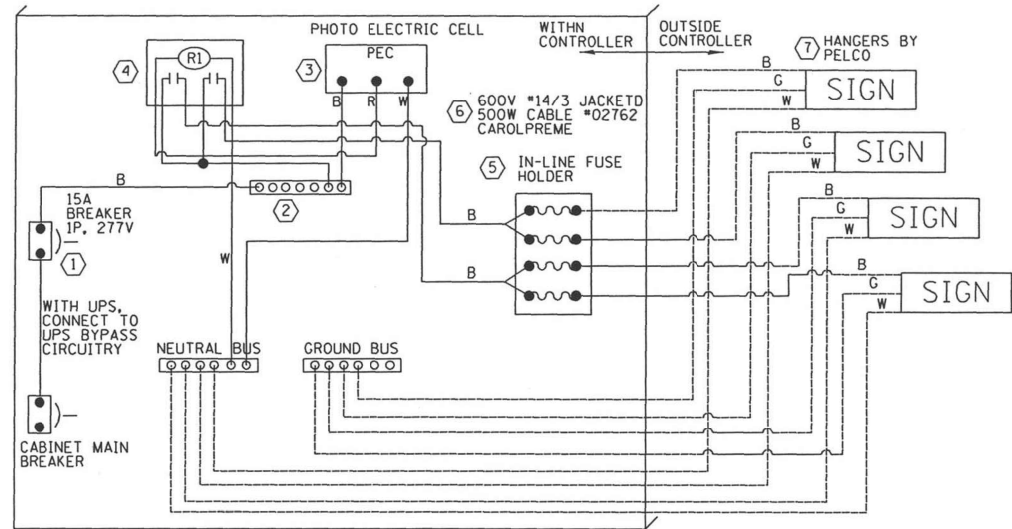
TS-7

FILE NAME =	USER NAME = Footemj	DESIGNED = DAG	REVISED = DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca\pwwork\pwwork\footemj\d0188315\ts05.dgn	DRAWN = GND	CHECKED = DAD	REVISED =			369	08-100-138-28-TL	WILL	156	96
PLOT SCALE = 50.0000' / in.	DATE = 3/31/2021	REVISED =	REVISED =			TS-05		CONTRACT NO. 61G89		
PLOT DATE = 1/13/2014						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SCALE: NONE SHEET NO. 7 OF 7 SHEETS STA. TO STA.

DATE	
BY	
REVISION	
PLANNED	
NOTED	
NO.	
FILE NAME	

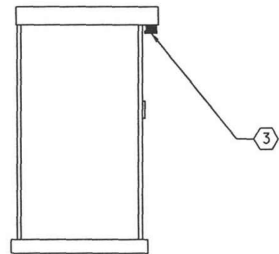
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BY	
REVISION	
PLANNED	
NOTED	
NO.	
FILE NAME	



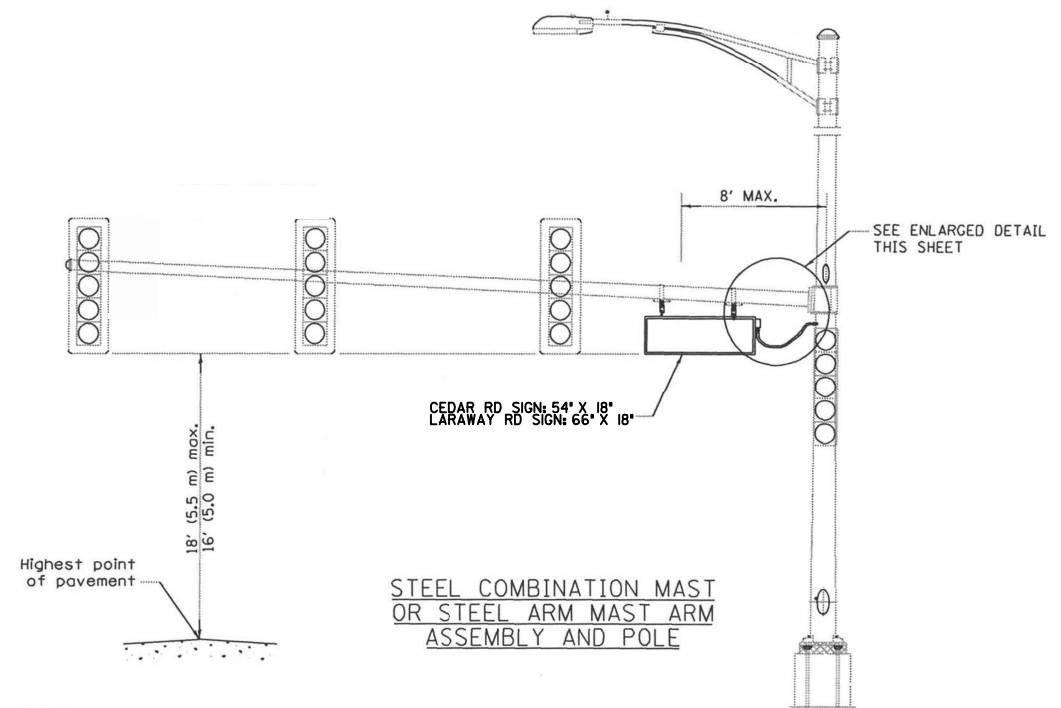
L.E.D. SIGN WIRING DETAIL

DESCRIPTION	MANUFACTURER	MODEL	NOTES
① CIRCUIT BREAKER		15 AMPERE	Molded Case, Thermal Mag. min. R.I. of 14K R.M.S. symmetrical Ampere at 277V.
② TERMINAL BLOCK	MARATHON	1502 DJSV	
③ PHOTO ELECTRIC CONTROL	FISHER PIERCE	B124-1.5-07762	
④ CONTROL RELAY	SQUARE D	8501X020V02	BOLT ON W/SCREW TERMINAL
⑤ INLINE FUSE HOLDER WITH 5 AMP FUSE	BUSSMAN	S-8000 BK/S-8-3-4-R	
⑥ ELECTIC CABLE, No 14, 3/C (BLACK, WHITE, GREEN)	CAROLPRENE/SOOW	02762	
⑦ SIGN MOUNTING HARDWARE	PELCO	SE-5015	S.S. HARDWARE

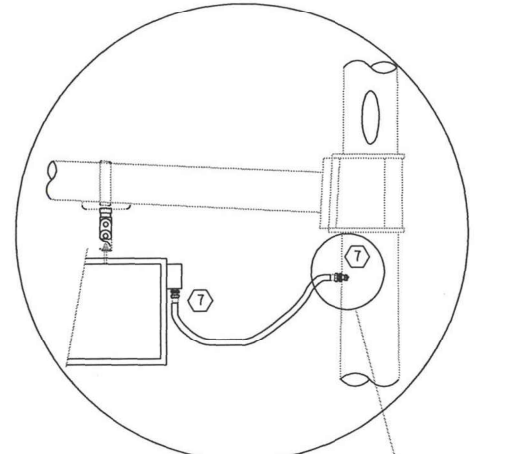
BILL OF MATERIALS



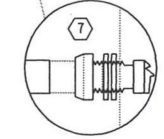
CONTROLLER CABINET SIDE VIEW



STEEL COMBINATION MAST OR STEEL ARM MAST ASSEMBLY AND POLE



L.E.D. SIGN ENLARGED CABLE CONNECTOR DETAIL



L.E.D. SIGN ENLARGED CABLE CONNECTOR DETAIL



LED ILLUMINATED SIGN PANEL
CLEARVIEW FONT

- NOTES:
- SIGNS SHALL BE DUAL SIDED. FRONT AND BACK OF SIGN WILL BE THE SAME.
 - CERTAIN ADDITIONAL INFORMATION MAY BE ALLOWED ON THE SIGN. VERIFY WITH ENGINEER.
 - SIGNS SHALL NOT BE ENERGIZED WHEN TRAFFIC SIGNALS ARE POWERED BY THE UPS. THE SIGNS SHALL BE CONNECTED TO THE UPS BYPASS CIRCUITRY.
 - ALL WIRING WITHIN THE CABLE SHALL BE COLOR CODED AS INDICATED:
R = RED BL = BLUE W = WHITE
B = BLACK Y = YELLOW G = GREEN
 - ALL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #12 AWG STRANDED UNLESS OTHERWISE INDICATED.
 - ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

FILE NAME =	USER NAME = 83838	DESIGNED -	REVISED -
.FILELS.		DRAWN -	REVISED -
	PLOT SCALE = 48.0000 / 1in.	CHECKED -	REVISED -
	PLOT DATE = 3/15/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1
INTERNALLY ILLUMINATED STREET NAME SIGN DETAIL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.

SPAAN Tech, Inc.
311 South Wacker Drive, Suite 2400
Chicago, IL 60606
phone: 312.277.8800
fax: 312.277.8888
web: www.spaan-tech.com

DESIGNED -	MA	REVISED -	
DRAWN -	CADD	REVISED -	
CHECKED -	MA	REVISED -	
DATE -	3/31/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
INTERNALLY ILLUMINATED STREET NAME SIGN DETAIL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	97
CONTRACT NO. 61889				

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

ILLINOIS



CONTRACTOR TO COORDINATE EQUIPMENT RETURN WITH THE VILLAGE OF NEW LENOX
(CONTACT WILL NASH - 815-462-6490).

REMOVAL AND RELOCATION NOTES:

THE CONTRACTOR SHALL REMOVE AND DISPOSE THE FOLLOWING ITEMS FROM THE EXISTING TEMPORARY EXISTING SPAN WIRE TRAFFIC SIGNAL OUTSIDE THE RIGHT OF WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE RELECTED IN THE CONTRACT BID PRICE.

- 4 EACH WOOD POLE
- 1 EACH SPAN WIRE (COMPLETE)

THE FOLLOWING ITEMS SHALL BE RETURNED TO THE VILLAGE OF NEW LENOX:

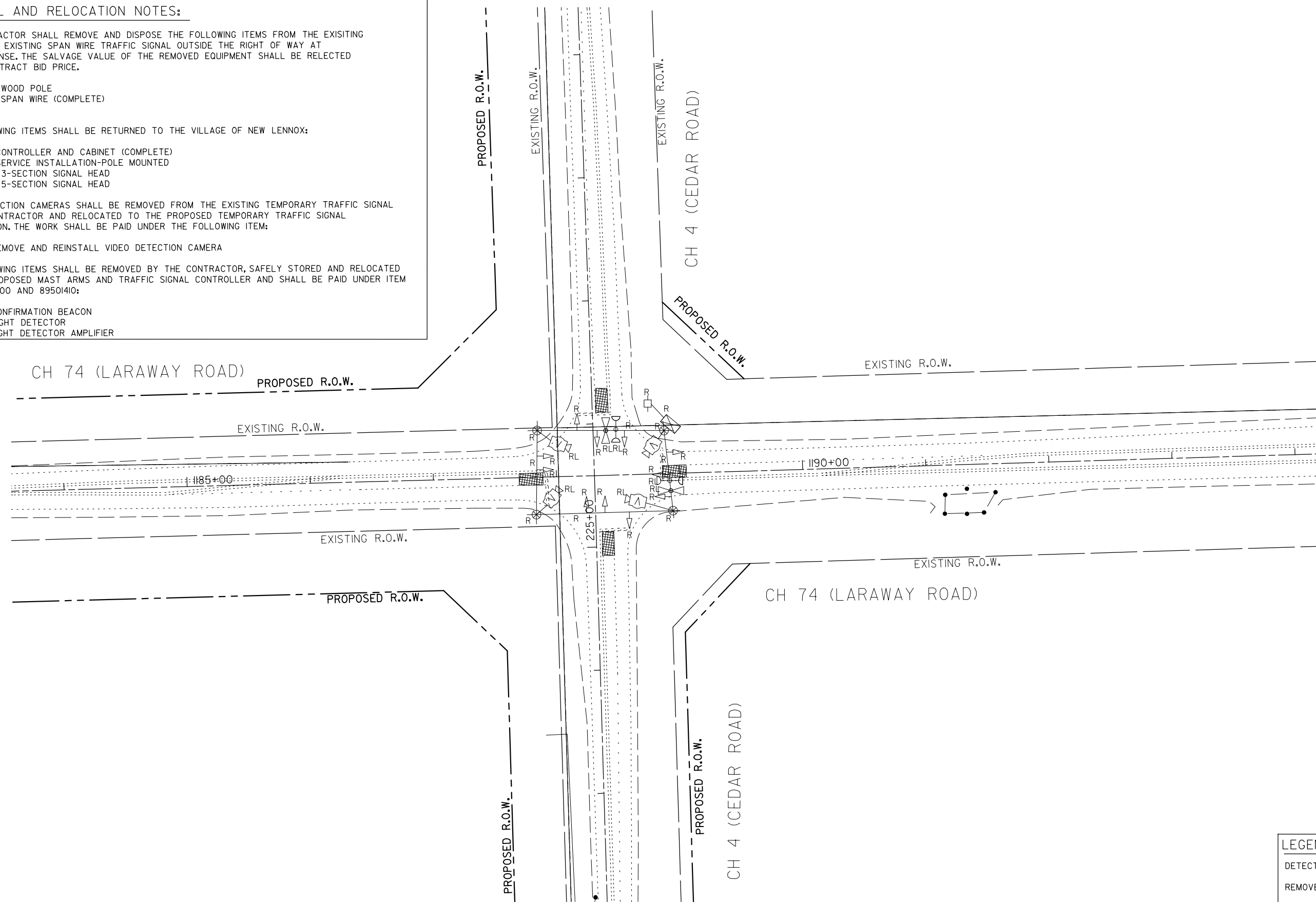
- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 1 EACH SERVICE INSTALLATION-POLE MOUNTED
- 4 EACH 3-SECTION SIGNAL HEAD
- 8 EACH 5-SECTION SIGNAL HEAD

VIDEO DETECTION CAMERAS SHALL BE REMOVED FROM THE EXISTING TEMPORARY TRAFFIC SIGNAL BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE WORK SHALL BE PAID UNDER THE FOLLOWING ITEM:

- 4 EACH REMOVE AND REINSTALL VIDEO DETECTION CAMERA

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER AND SHALL BE PAID UNDER ITEM NOS. 89501400 AND 89501410:

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER



TS SHT NO.8

LEGENDS	
DETECTION ZONE	
REMOVE	R
RELOCATE	RL

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 311 South Wacker Drive, Suite 2400
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 phone: 312.277.8800
 fax: 312.277.8888
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CHECKED - MA	REVISED -
DATE - 3/31/2021	REVISED -

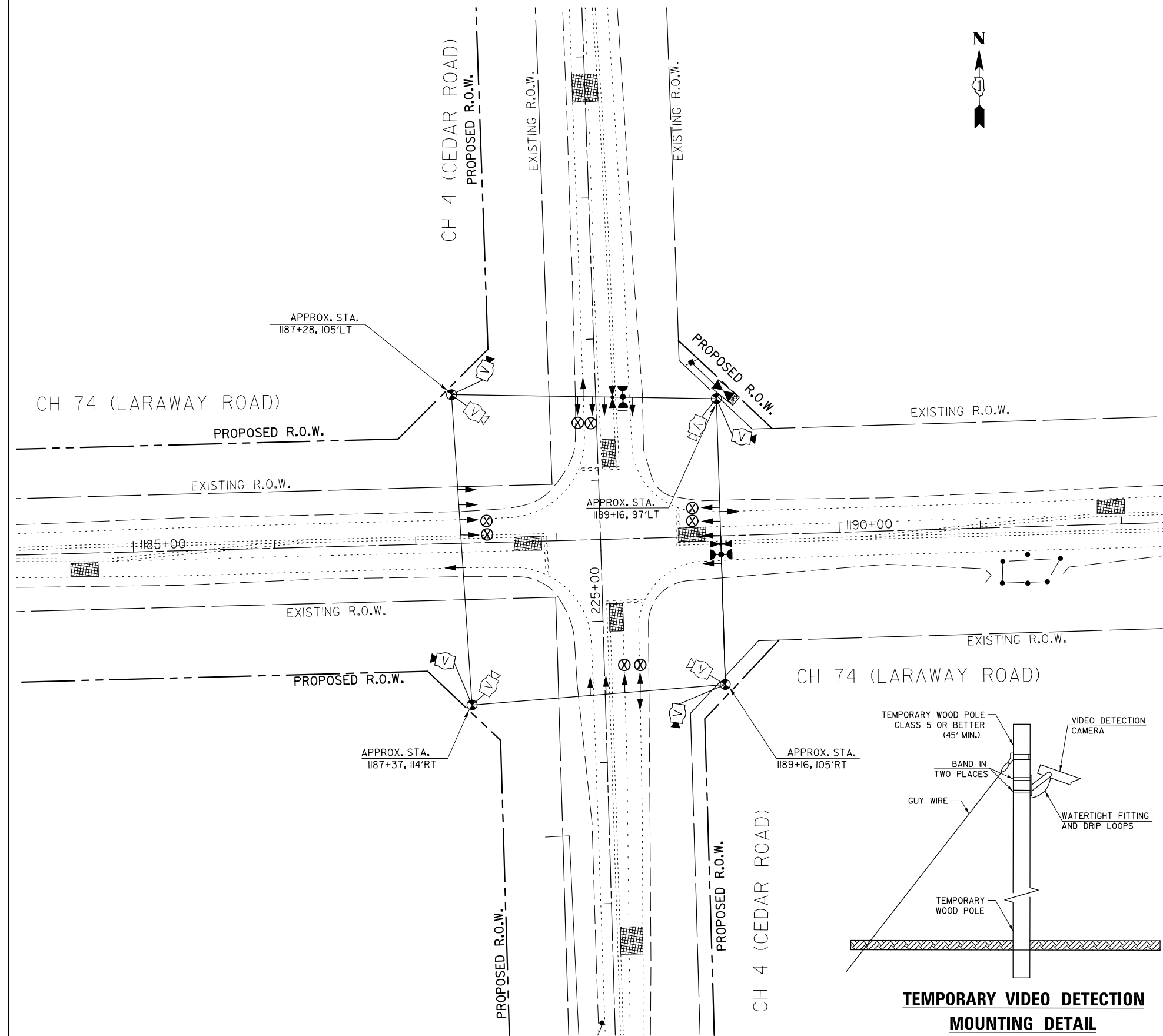
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING TEMPORARY TRAFFIC SIGNAL REMOVAL
CH 74 (LARAWAY ROAD) AT CH 4 (CEDAR ROAD)**

SCALE: 1"=40' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	98
				CONTRACT NO. 61B89
ILLINOIS				

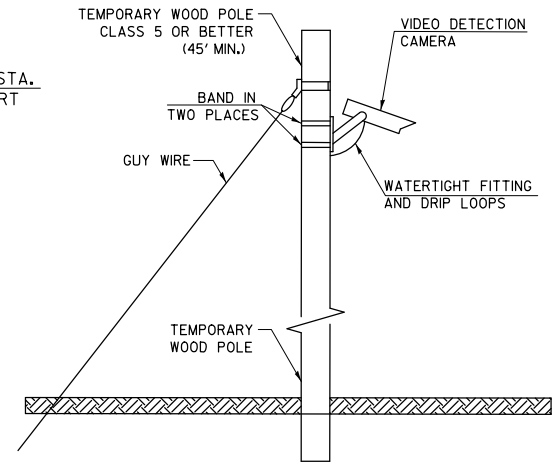
TS SHT NO.9



THE TRAFFIC SIGNAL EQUIPMENT FOR THIS PROJECT SHALL BE ECONOLITE AS REQUIRED BY THE WILL COUNTY DIVISION OF TRANSPORTION

LEGENDS

- VIDEO DETECTION CAMERA RELOCATED FROM EXISTING TEMPORAY TRAFFIC SIGNAL
- NEW VIDEO DETECTION CAMERA
- DETECTION ZONE
- SIGNAL HEADS TO BE TURNED OFF AND COVERED IN CONSTRUCTION STAGES I & II AND ONLY ACTIVATED IN STAGE III



TEMPORARY VIDEO DETECTION MOUNTING DETAIL
(NOT TO SCALE)

SPAAN Tech, Inc.
311 South Wacker Drive, Suite 2400
Chicago, IL 60606
phone: 312.277.8800
fax: 312.277.8888
web: www.spaan-tech.com

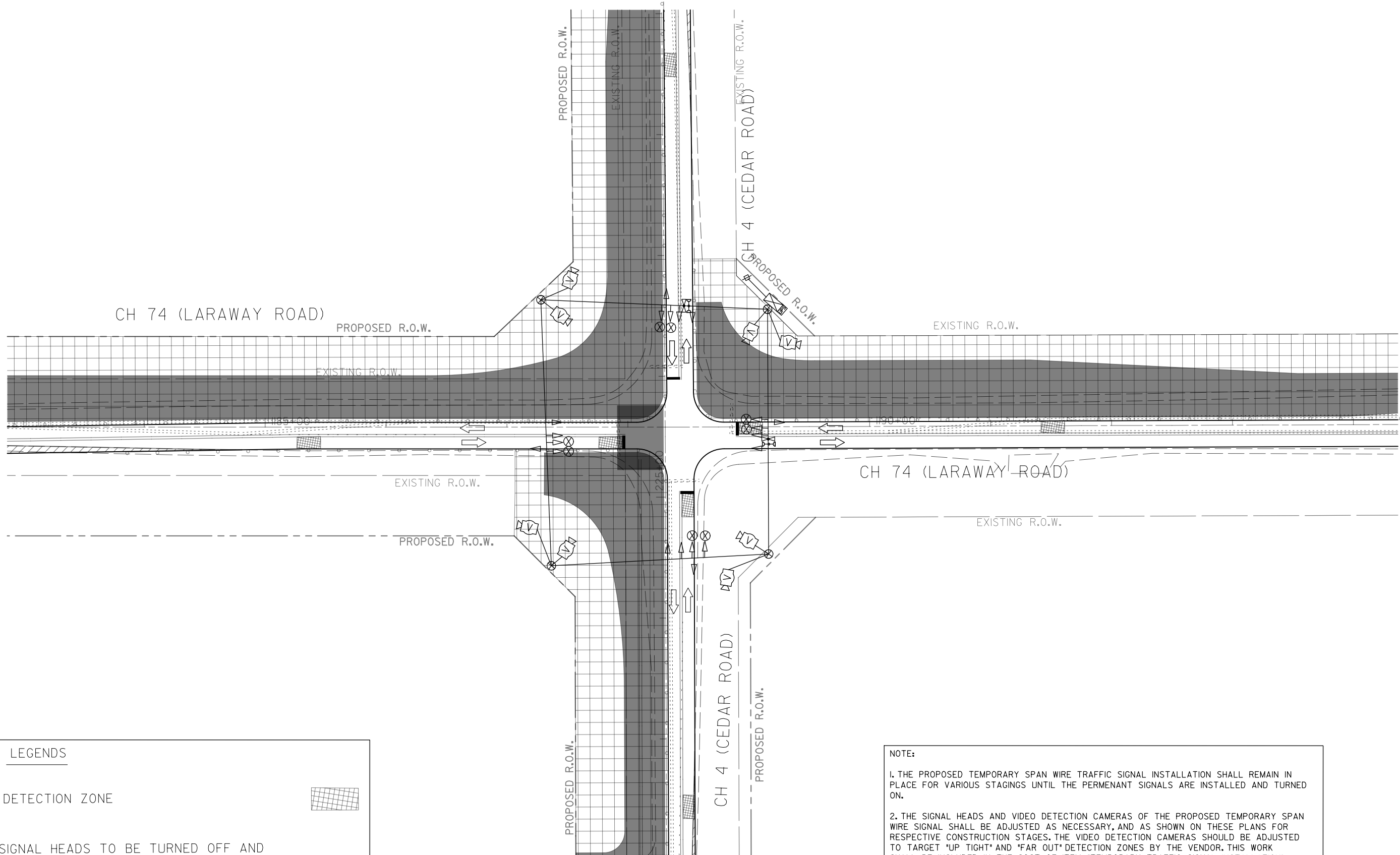
DESIGNED - MA	REVISED -
DRAWN - CADD	REVISED -
CHECKED - MA	REVISED -
DATE - 3/31/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**


**PROPOSED TEMPORARY SPAN WIRE TRAFFIC SIGNAL INSTALLATION
CH 74 (LARAWAY ROAD) AT CH 4 (CEDAR ROAD)**
SCALE: 1"=40' SHEET NO. OF SHEETS STA. TO STA.


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	99
CONTRACT NO. 61B89				

ILLINOIS



LEGENDS

DETECTION ZONE 

SIGNAL HEADS TO BE TURNED OFF AND COVERED IN CONSTRUCTION STAGES I & II AND ONLY ACTIVATED IN STAGE III 

NOTE:

1. THE PROPOSED TEMPORARY SPAN WIRE TRAFFIC SIGNAL INSTALLATION SHALL REMAIN IN PLACE FOR VARIOUS STAGINGS UNTIL THE PERMANENT SIGNALS ARE INSTALLED AND TURNED ON.
2. THE SIGNAL HEADS AND VIDEO DETECTION CAMERAS OF THE PROPOSED TEMPORARY SPAN WIRE SIGNAL SHALL BE ADJUSTED AS NECESSARY, AND AS SHOWN ON THESE PLANS FOR RESPECTIVE CONSTRUCTION STAGES. THE VIDEO DETECTION CAMERAS SHOULD BE ADJUSTED TO TARGET "UP TIGHT" AND "FAR OUT" DETECTION ZONES BY THE VENDOR. THIS WORK SHALL BE INCLUDED IN THE COST OF ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION".
3. SEE MAINTENANCE OF TRAFFIC DRAWINGS FOR FURTHER DETAILS OF CONSTRUCTION STAGING CALLOUTS.

FILE NAME = 4014684-TS 10 - TEMP SIGNAL-STAGE I.dgn
 PLOT DATE = 1/18/2018
 PLOT SCALE = 88.0513' / in. **TS SHT NO.10**

SPAAN Tech, Inc.
 311 South Wacker Drive, Suite 2400
 Chicago, IL 60606
 phone: 312.271.8800
 fax: 312.271.8800
 web: www.spaan-tech.com

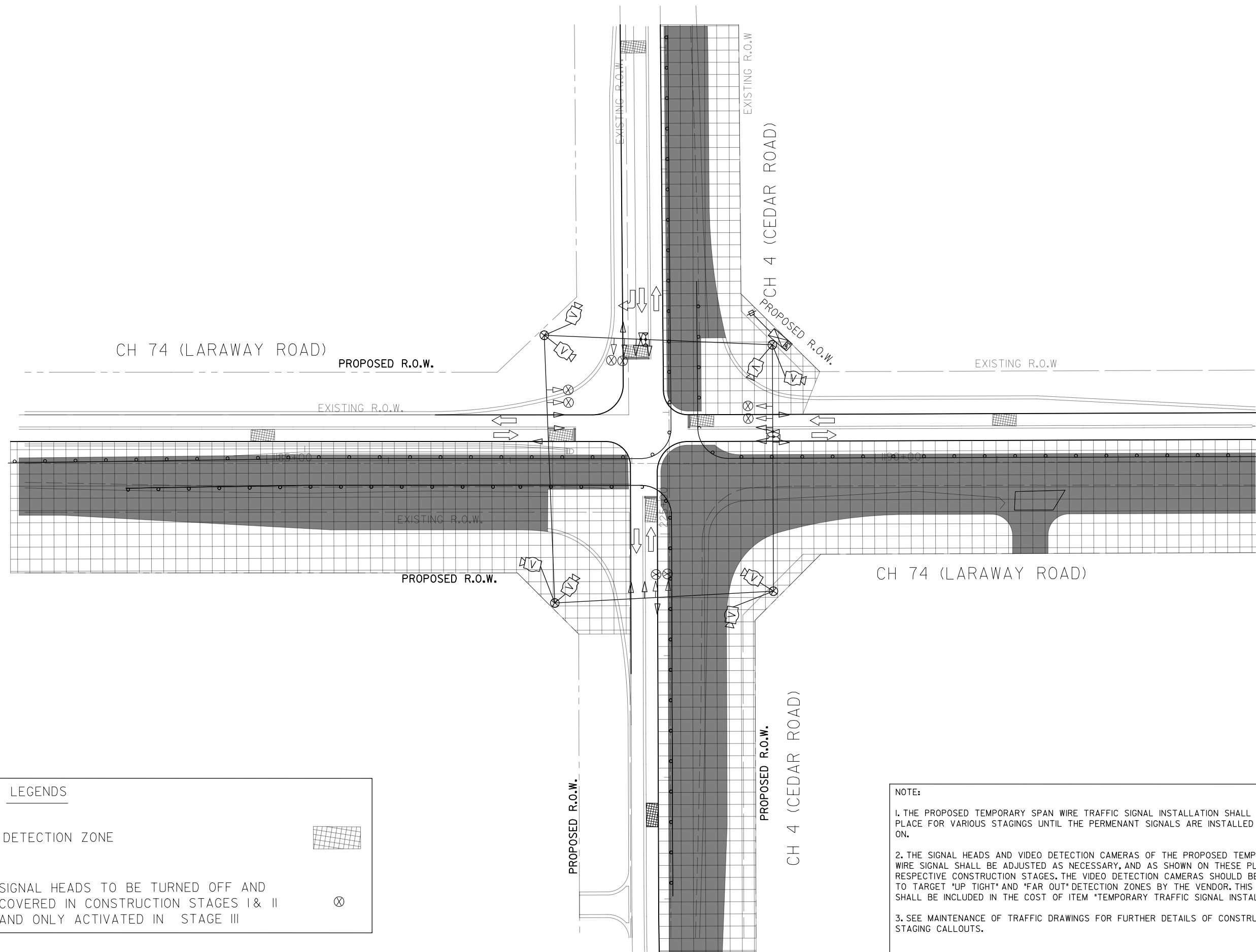
DESIGNED - MA	REVISED -
DRAWN - CADD	REVISED -
CHECKED - MA	REVISED -
DATE - 3/31/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**


**TEMPORARY TRAFFIC SIGNAL
 SIGNAL HEAD PLACEMENT AND DETECTION ZONES - STAGE I
 CH 74 (LARAWAY ROAD) AT CH 4 (CEDAR ROAD)**


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	100
ILLINOIS			CONTRACT NO. 61B89	

SCALE: 1"=40' SHEET NO. OF SHEETS STA. TO STA.



LEGENDS

DETECTION ZONE 

SIGNAL HEADS TO BE TURNED OFF AND COVERED IN CONSTRUCTION STAGES I & II AND ONLY ACTIVATED IN STAGE III 

NOTE:

1. THE PROPOSED TEMPORARY SPAN WIRE TRAFFIC SIGNAL INSTALLATION SHALL REMAIN IN PLACE FOR VARIOUS STAGINGS UNTIL THE PERMANENT SIGNALS ARE INSTALLED AND TURNED ON.
2. THE SIGNAL HEADS AND VIDEO DETECTION CAMERAS OF THE PROPOSED TEMPORARY SPAN WIRE SIGNAL SHALL BE ADJUSTED AS NECESSARY, AND AS SHOWN ON THESE PLANS FOR RESPECTIVE CONSTRUCTION STAGES. THE VIDEO DETECTION CAMERAS SHOULD BE ADJUSTED TO TARGET "UP TIGHT" AND "FAR OUT" DETECTION ZONES BY THE VENDOR. THIS WORK SHALL BE INCLUDED IN THE COST OF ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION".
3. SEE MAINTENANCE OF TRAFFIC DRAWINGS FOR FURTHER DETAILS OF CONSTRUCTION STAGING CALLOUTS.

FILE NAME = 4014684-TS II-TEMP SIGNAL-STAGE II.dgn
 PLOT DATE = 1/18/2018
 PLOT SCALE = 88.0513' / in.

TS SHT NO.11

SPAAN Tech, Inc.
 311 South Wacker Drive, Suite 2400
 Chicago, IL 60606
 phone: 312.271.8800
 fax: 312.271.8880
 web: www.spaan-tech.com

DESIGNED - MA	REVISED -
DRAWN - CADD	REVISED -
CHECKED - MA	REVISED -
DATE - 3/31/2021	REVISED -

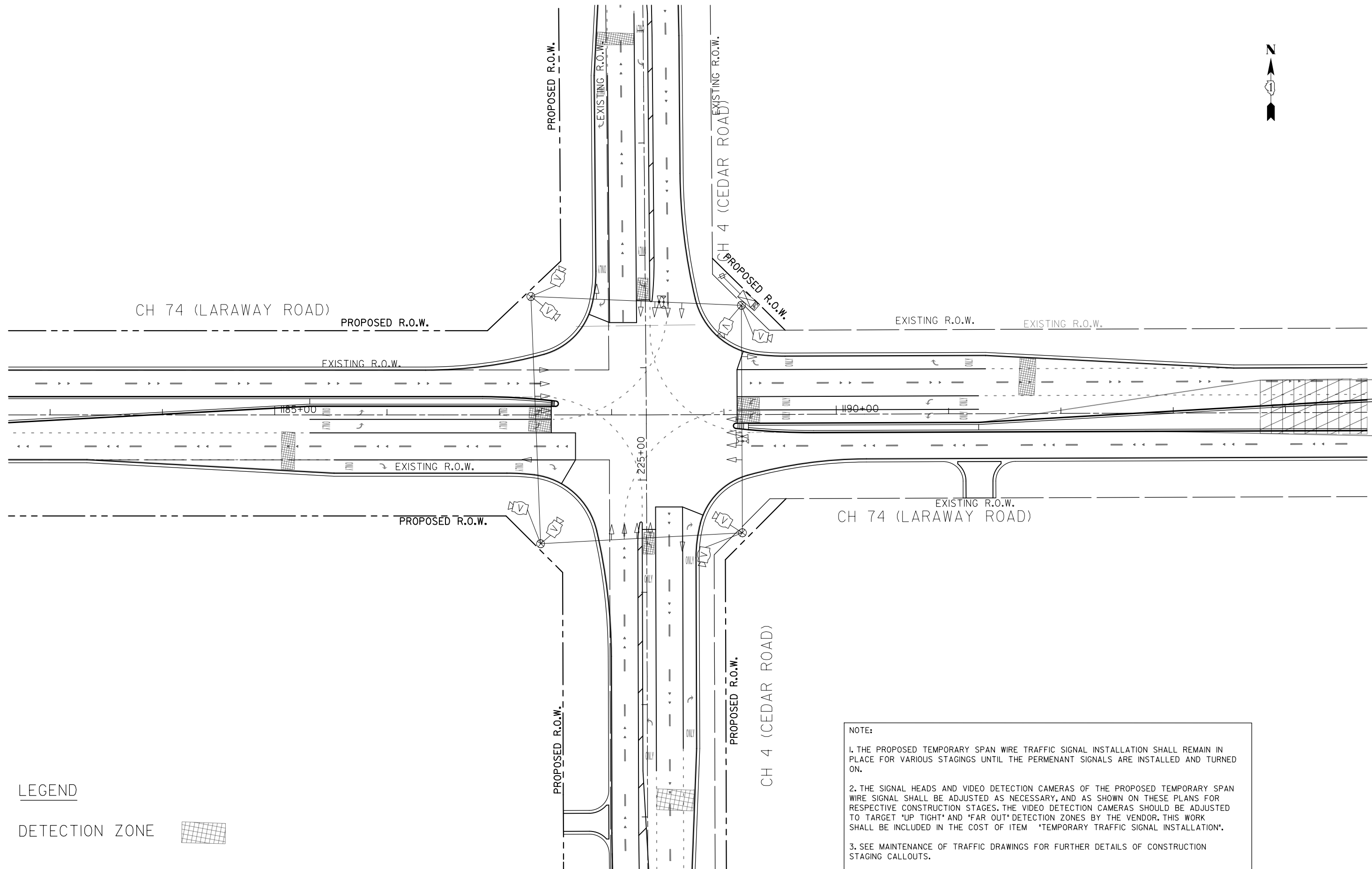
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL
 SIGNAL HEAD PLACEMENT AND DETECTION ZONES - STAGE II
 CH 74 (LARAWAY ROAD) AT CH 4 (CEDAR ROAD)**

SCALE: 1"=40' SHEET NO. OF SHEETS STA. TO STA.

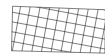
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	101
ILLINOIS				CONTRACT NO. 6IB89

TS SHT NO.12



LEGEND

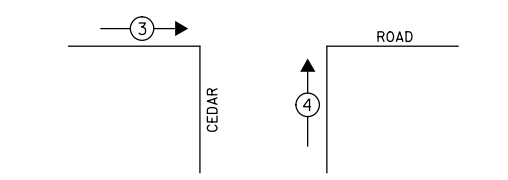
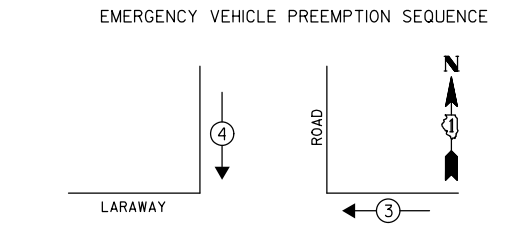
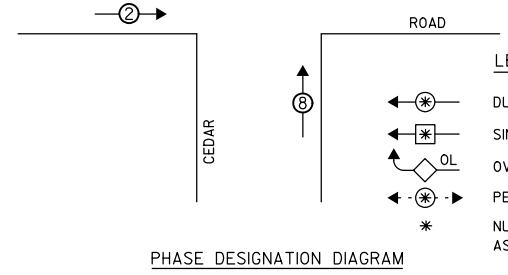
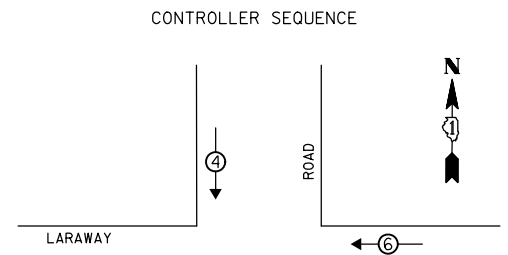
DETECTION ZONE



NOTE:

1. THE PROPOSED TEMPORARY SPAN WIRE TRAFFIC SIGNAL INSTALLATION SHALL REMAIN IN PLACE FOR VARIOUS STAGINGS UNTIL THE PERMENANT SIGNALS ARE INSTALLED AND TURNED ON.
2. THE SIGNAL HEADS AND VIDEO DETECTION CAMERAS OF THE PROPOSED TEMPORARY SPAN WIRE SIGNAL SHALL BE ADJUSTED AS NECESSARY, AND AS SHOWN ON THESE PLANS FOR RESPECTIVE CONSTRUCTION STAGES. THE VIDEO DETECTION CAMERAS SHOULD BE ADJUSTED TO TARGET 'UP TIGHT' AND 'FAR OUT' DETECTION ZONES BY THE VENDOR. THIS WORK SHALL BE INCLUDED IN THE COST OF ITEM 'TEMPORARY TRAFFIC SIGNAL INSTALLATION'.
3. SEE MAINTENANCE OF TRAFFIC DRAWINGS FOR FURTHER DETAILS OF CONSTRUCTION STAGING CALLOUTS.

DESIGNED - MA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL SIGNAL HEAD PLACEMENT AND DETECTION ZONES - STAGE III CH 74 (LARAWAY ROAD) AT CH 4 (CEDAR ROAD)		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN - CADD	REVISED -	369	08-00138-28-TL	WILL	156	102
CHECKED - MA	REVISED -		SCALE: 1"=40'	SHEET NO. OF SHEETS	STA.	TO STA.	CONTRACT NO. 61B89		
DATE - 3/31/2021	REVISED -						ILLINOIS		

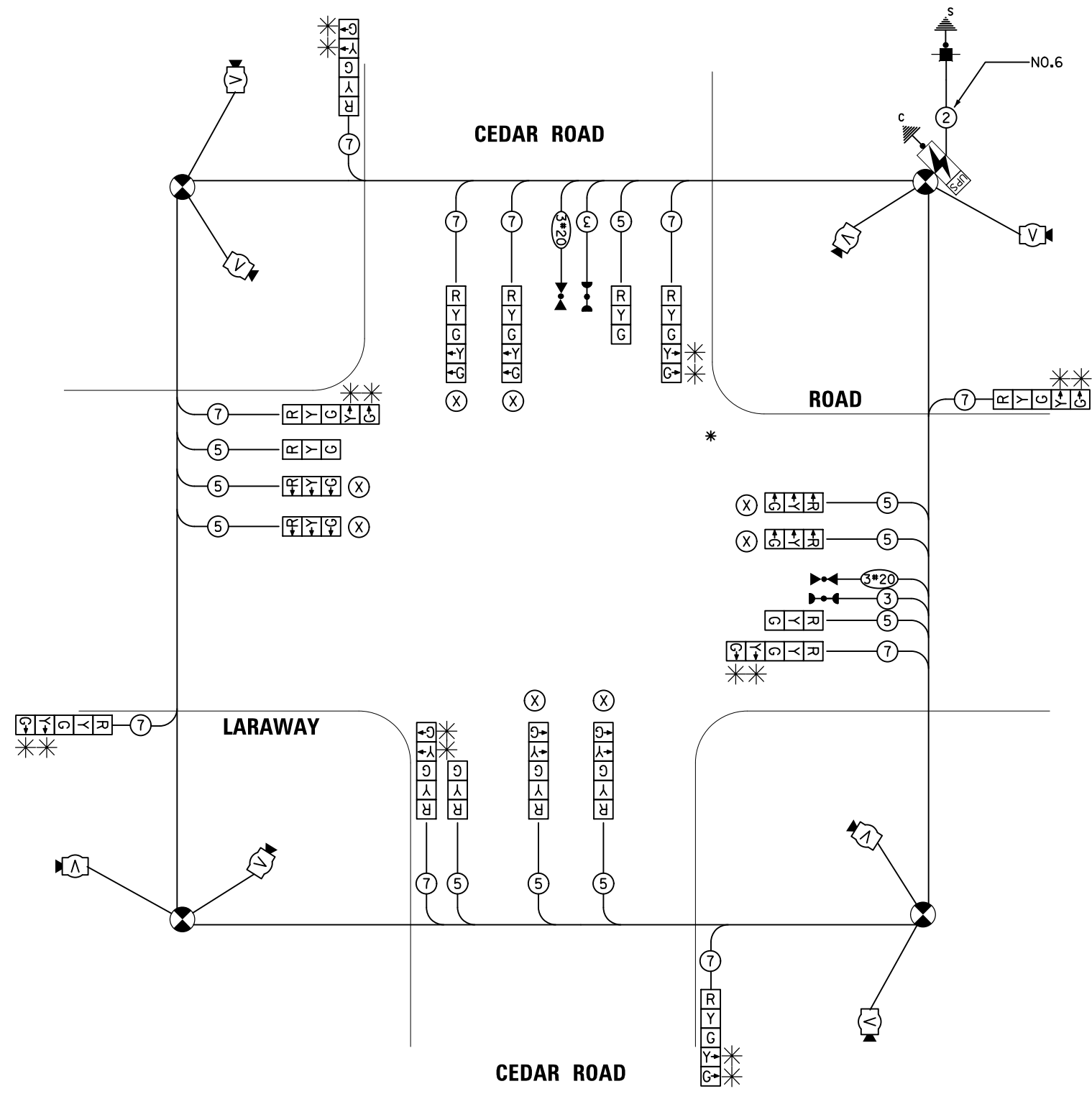


LEGEND

- ⊗ DUAL ENTRY PHASE
- ⊛ SINGLE ENTRY PHASE
- OL OVERLAP
- ⊙ PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE

PROPOSED EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↓ ↑



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	WATTAGE INCAND.	LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	-	17	0.50	102
(YELLOW)	12	-	25	0.25	75
(GREEN)	12	-	15	0.25	45
ARROW	16	-	12	0.10	19.2
PED. SIGNAL	-	-	25	1.00	-
CONTROLLER	1	100	-	1.00	100.0
U.P.S.	1	-	25	1.00	25.0
ENERGY COSTS TO:					TOTAL = 366.2

WILL COUNTY DOT
 16841 W. LARAWAY ROAD
 JOLIET, IL 60433
 ENERGY SUPPLY: CONTACT: NEW BUSINESS
 PHONE: _____
 COMPANY: COMED

- NOTES:**
- SIGNAL HEADS MARKED (X) SHOULD BE TURNED OFF AND BAGGED IN STAGES I AND II.
 - RIGHT TURN SECTION HEADS (AMBER Y AND GREEN G) MARKED * USED FOR RIGHT TURN OVERLAPS IN STAGE III NEED TO BE DISCONNECTED AND BAGGED FOR STAGES I AND II

THE TRAFFIC SIGNAL EQUIPMENT FOR THIS PROJECT SHALL BE ECONOLITE AS REQUIRED BY THE WILL COUNTY DIVISION OF TRANSPORTION

TS SHT NO.13

SPAAN Tech, Inc.
 311 South Wacker Drive, Suite 2400
 Chicago, IL 60606
 phone: 312.277.8800
 fax: 312.277.8888
 web: www.spaan-tech.com

DESIGNED - TCM/MA	REVISED - NOV. 2017
DRAWN - TCM/MA	REVISED -
CHECKED - TCM/MA	REVISED -
DATE - 3/31/2021	REVISED -

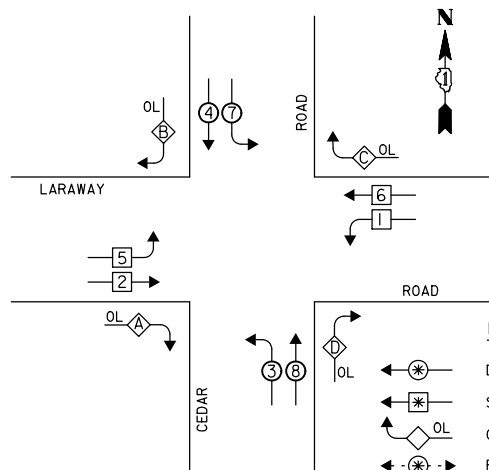
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM & EMERGENCY VEHICLE PREEMPTION SEQUENCE - CONSTRUCTION STAGES I & II
LARAWAY ROAD AT CEDAR ROAD
 SCALE: N.T.S. SHEET NO. OF SHEETS STA. - TO STA. -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	103
CONTRACT NO. 618B9				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



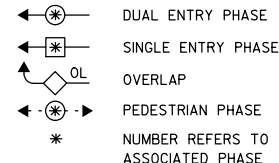
CONTROLLER SEQUENCE



RIGHT TURN OVERLAP PHASE DESIGNATION

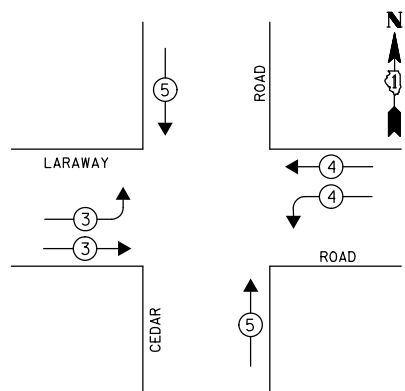
OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2 +	3
B	= 4 +	5
C	= 6 +	7
D	= 8 +	1

LEGEND

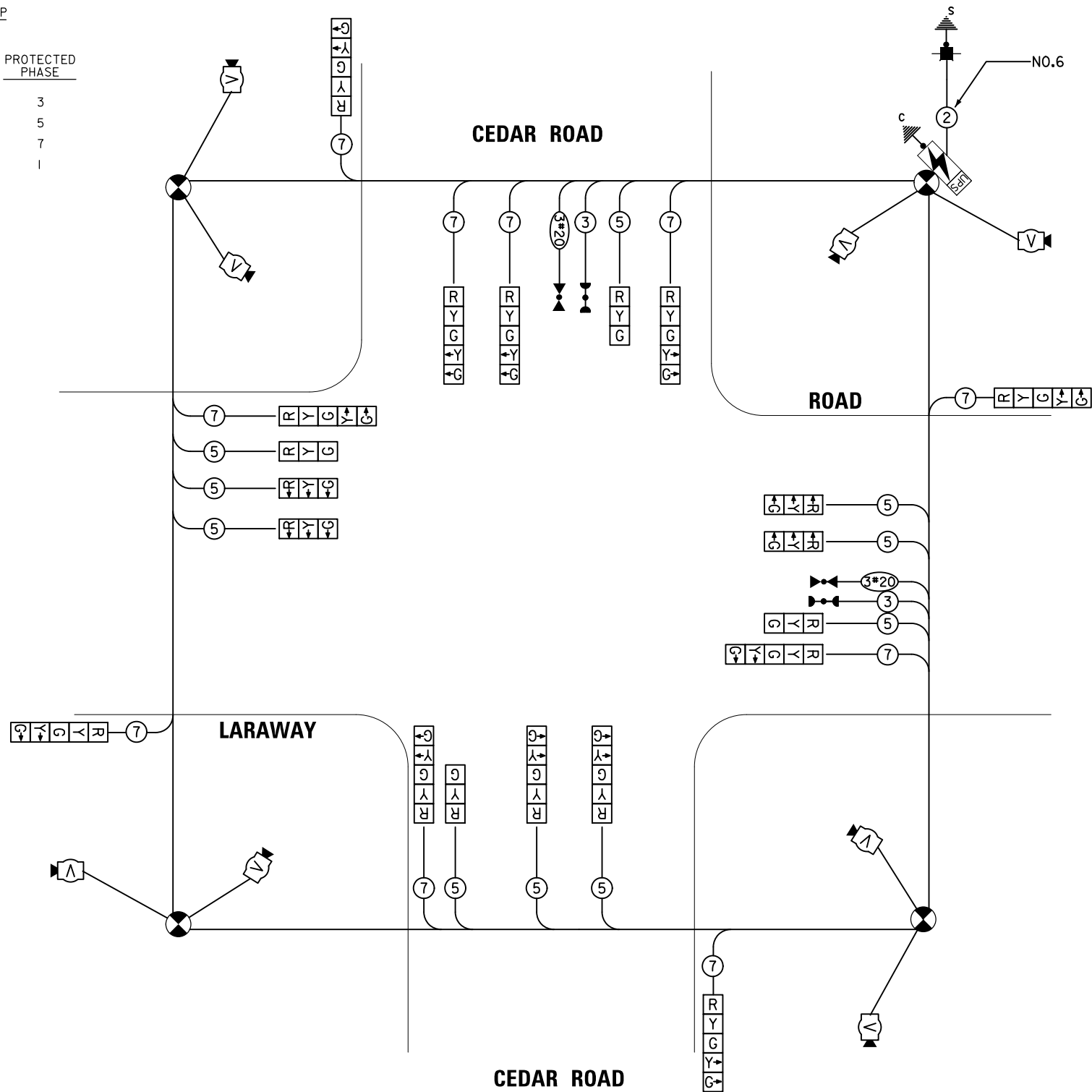


PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	→	←	↑



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE INCAND.	LED	% OPERATION	
SIGNAL (RED)	20	-	17	0.50	170.0
(YELLOW)	20	-	25	0.25	125.0
(GREEN)	20	-	15	0.25	75.0
ARROW	24	-	12	0.10	28.8
PED. SIGNAL	-	-	25	1.00	-
CONTROLLER	1	100	-	1.00	100.0
U.P.S.	1	-	25	1.00	25.0
ENERGY COSTS TO:					TOTAL = 523.8

WILL COUNTY DOT
 16841 W. LARAWAY ROAD
 JOLIET, IL 60433
 ENERGY SUPPLY: CONTACT: NEW BUSINESS
 PHONE:
 COMPANY: COMED

THE TRAFFIC SIGNAL EQUIPMENT FOR THIS PROJECT SHALL BE ECONOLITE AS REQUIRED BY THE WILL COUNTY DIVISION OF TRANSPORTATION

FILE NAME = 4014684-TS 14 - TS CABLING STAGE 3.dgn
 PLOT DATE = 1/22/2018
 PLOT SCALE = 40.00000 / 1"

TS SHT NO.14



DESIGNED - TCM/MA	REVISED - NOV. 2017
DRAWN - TCM/MA	REVISED -
CHECKED - TCM/MA	REVISED -
DATE - 3/31/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM AND
EMERGENCY VEHICLE PREEMPTION SEQUENCE - STAGE III CONSTRUCTION
CH 74 (LARAWAY ROAD) AT CH 4 (CEDAR ROAD)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	104
CONTRACT NO. 61B89				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SCALE: N.T.S. SHEET NO. OF SHEETS STA. - TO STA. -

THE TRAFFIC SIGNAL EQUIPMENT FOR THIS PROJECT SHALL BE ECONOLITE AS REQUIRED BY THE WILL COUNTY DIVISION OF TRANSPORTION

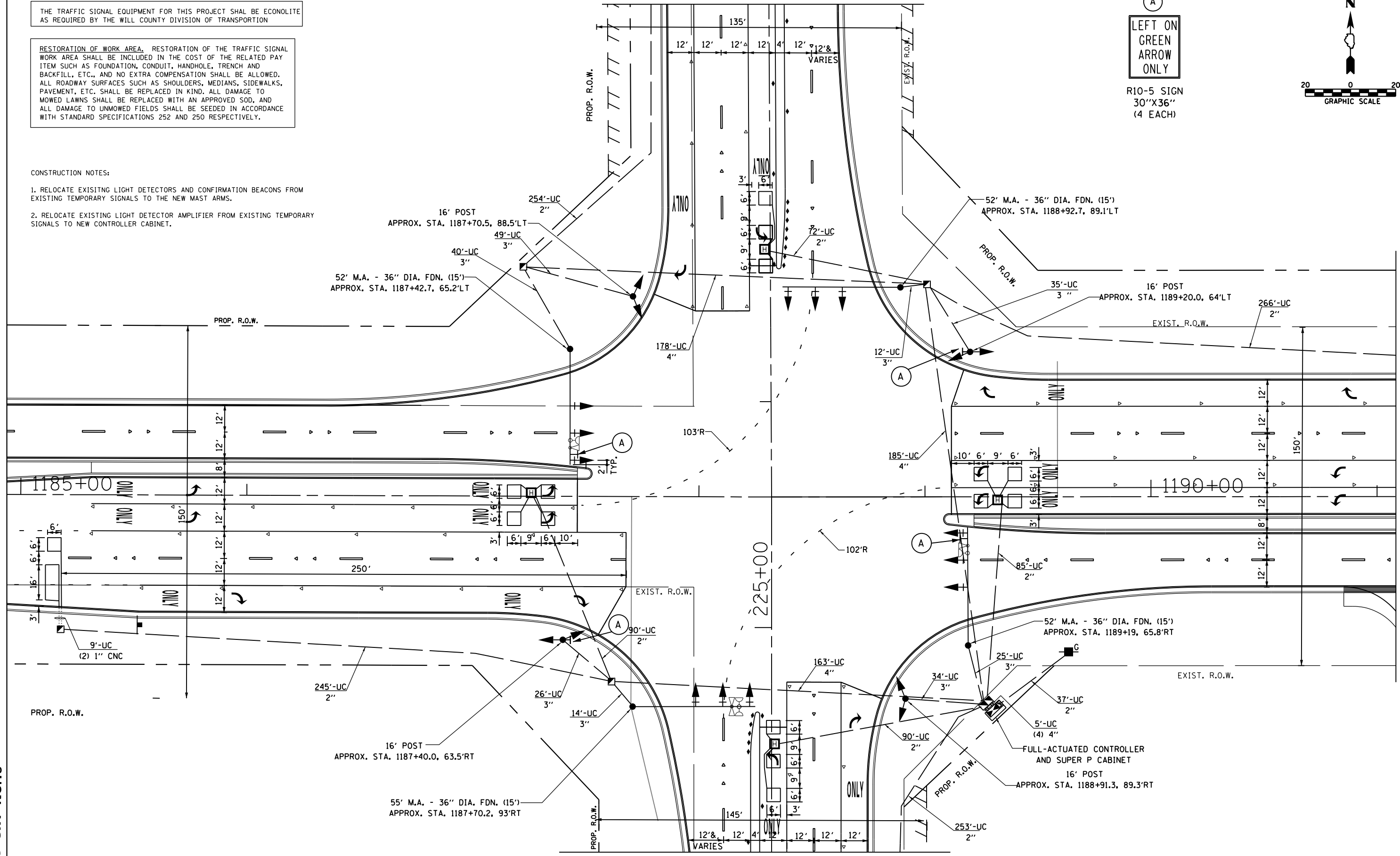
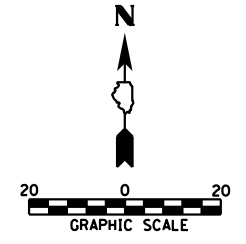
RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE COST OF THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

CONSTRUCTION NOTES:

1. RELOCATE EXISTING LIGHT DETECTORS AND CONFIRMATION BEACONS FROM EXISTING TEMPORARY SIGNALS TO THE NEW MAST ARMS.
2. RELOCATE EXISTING LIGHT DETECTOR AMPLIFIER FROM EXISTING TEMPORARY SIGNALS TO NEW CONTROLLER CABINET.

MATCHLINE STA. 227+75

(A)
LEFT ON GREEN
ARROW
ONLY
R10-5 SIGN
30"X36"
(4 EACH)



MATCHLINE STA. 224+00

MATCHLINE STA. 1191+08

TS SHT NO.15

SPAAN Tech, Inc.
311 South Wacker Drive, Suite 2400
Chicago, IL 60606
phone: 312.277.8800
fax: 312.277.8888
web: www.spaan-tech.com

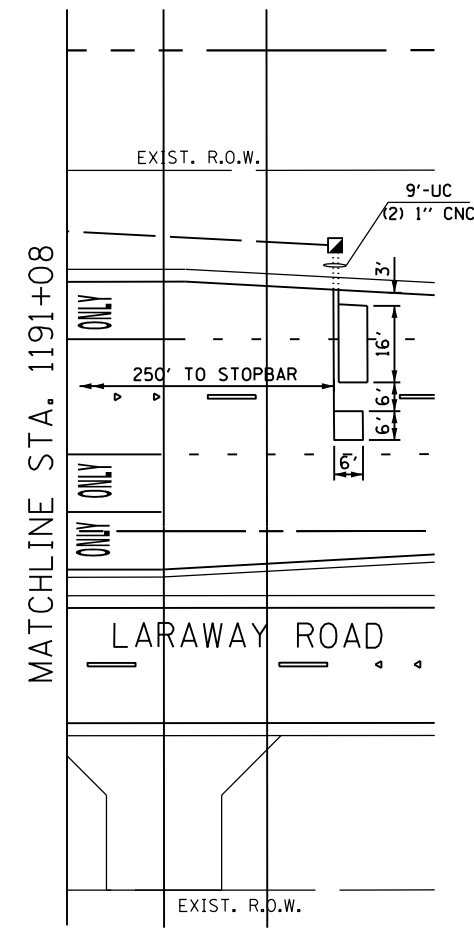
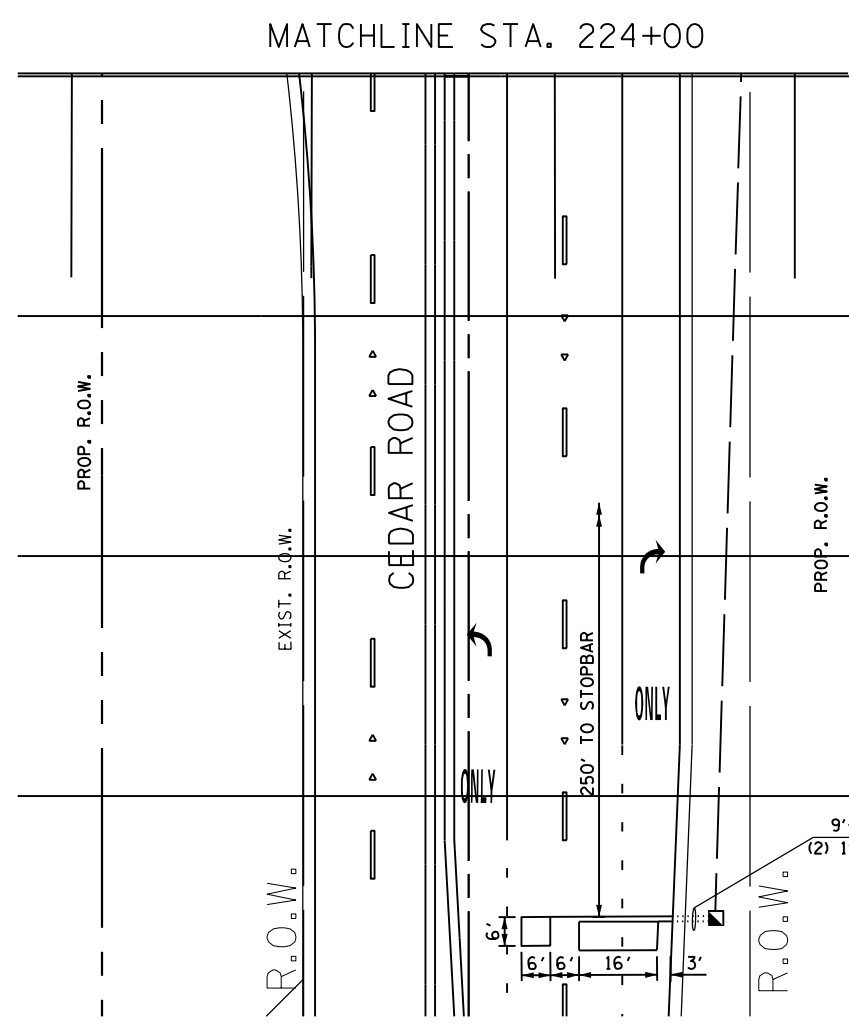
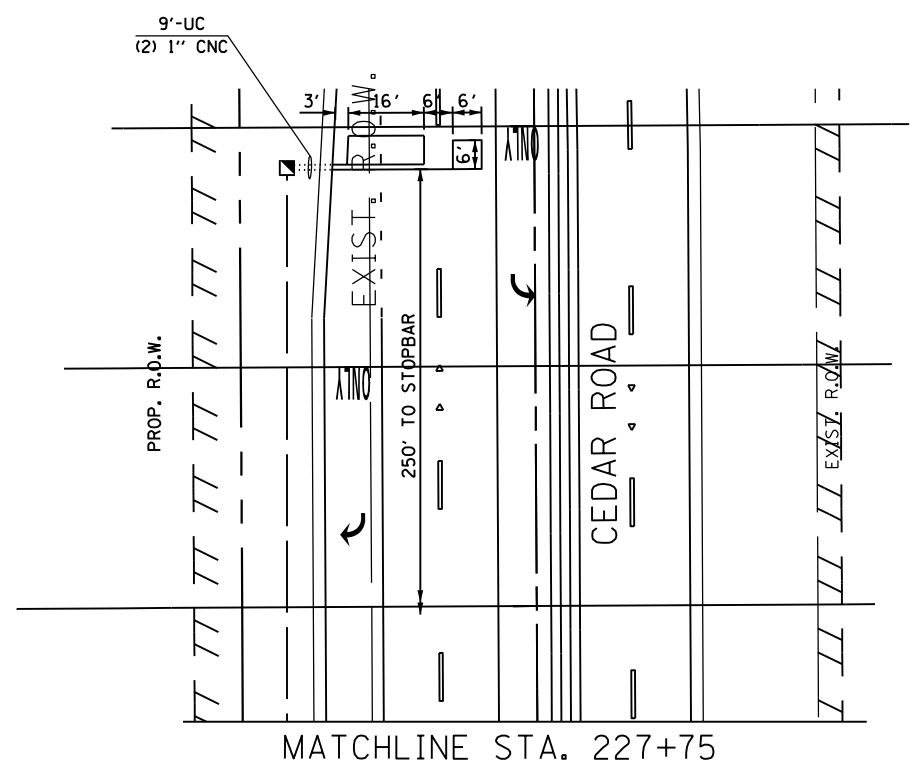
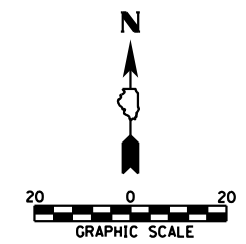
DESIGNED - TCM/MA	REVISED - NOV. 2017
DRAWN - TCM/MA	REVISED -
CHECKED - TCM/MA	REVISED -
DATE - 3/31/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN - (SHEET 1 OF 2)
CH 74 (LARAWAY ROAD) AT CH 4 (CEDAR ROAD)**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	105
CONTRACT NO. 61B89				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



THE TRAFFIC SIGNAL EQUIPMENT FOR THIS PROJECT SHALL BE ECONOLITE AS REQUIRED BY THE WILL COUNTY DIVISION OF TRANSPORTATION

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE COST OF THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

TS SHT NO.16

SPAAN Tech, Inc.
 311 South Wacker Drive, Suite 2400
 Chicago, IL 60606
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 fax: 312.277.8888
 web: www.spaan-tech.com

DESIGNED - TCM/MA	REVISED - NOV. 2017
DRAWN - TCM/MA	REVISED -
CHECKED - TCM/MA	REVISED -
DATE - 3/31/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

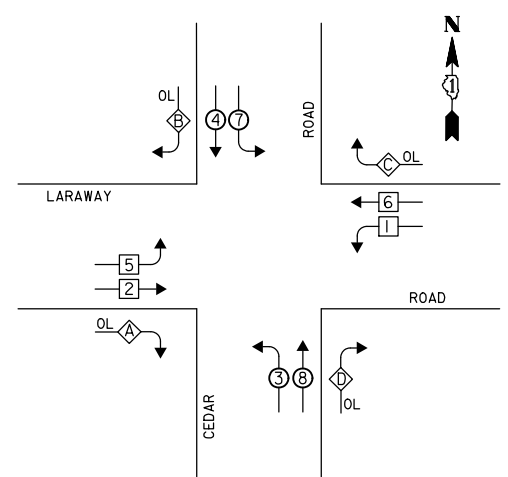
**TRAFFIC SIGNAL INSTALLATION PLAN - SHEET 2 OF 2
 CH 74 (LARAWAY ROAD) AT CH 4 (CEDAR ROAD)**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

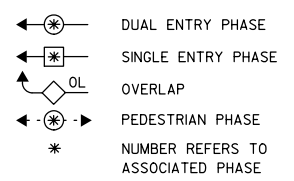
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	106
CONTRACT NO. 61B89				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



PROPOSED CONTROLLER SEQUENCE



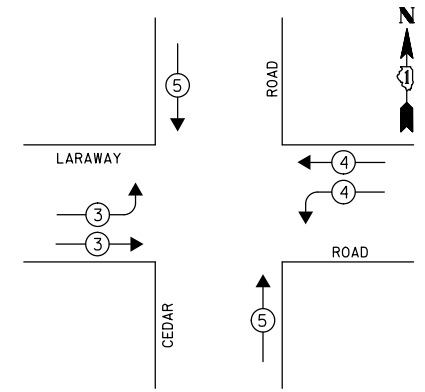
LEGEND



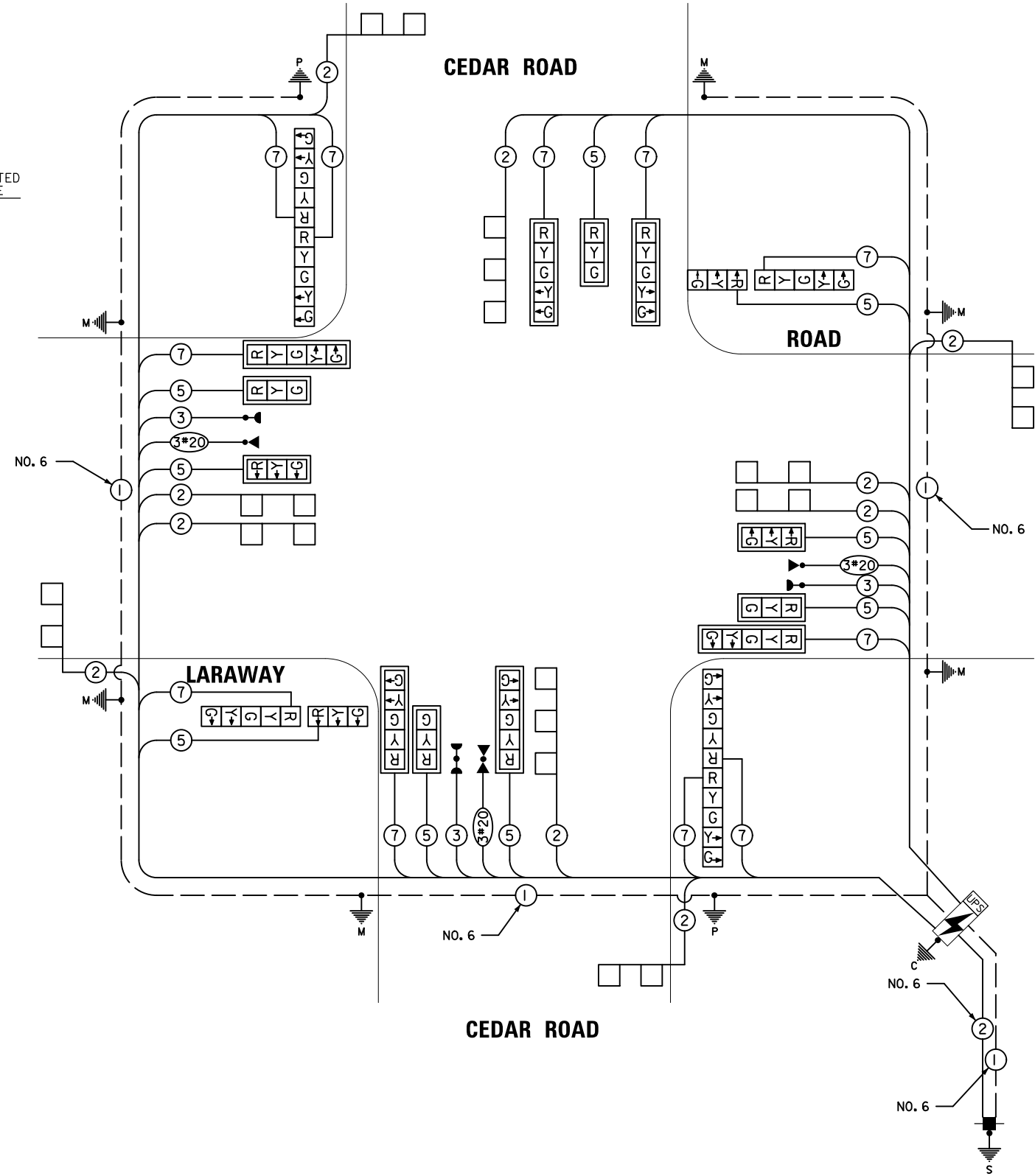
PHASE DESIGNATION DIAGRAM

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A =	2 +	3
B =	4 +	5
C =	6 +	7
D =	8 +	1

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	→	←	↑



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE INCAND.	LED	% OPERATION	
SIGNAL (RED)	20	-	17	0.50	170.0
(YELLOW)	20	-	25	0.25	125.0
(GREEN)	20	-	15	0.25	75.0
ARROW	24	-	12	0.10	28.8
PED. SIGNAL	-	-	25	1.00	-
CONTROLLER	1	100	-	1.00	100.0
U.P.S.	1	-	25	1.00	25.0
TOTAL =					523.8

WILL COUNTY DOT
 16841 W. LARAWAY ROAD
 JOLIET, IL 60433
 ENERGY SUPPLY: CONTACT: NEW BUSINESS
 PHONE: _____
 COMPANY: COMED

THE TRAFFIC SIGNAL EQUIPMENT FOR THIS PROJECT SHALL BE ECONOLITE AS REQUIRED BY THE WILL COUNTY DIVISION OF TRANSPORTION

TS SHT NO 17

DESIGNED - TCM/MA	REVISED - NOV. 2017
DRAWN - TCM/MA	REVISED -
CHECKED - TCM/MA	REVISED -
DATE - 3/31/2021	REVISED -

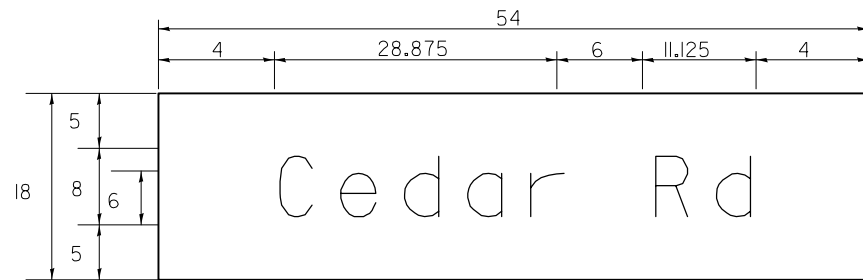
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM
 AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 LARAWAY ROAD AT CEDAR ROAD
 SCALE: N.T.S. SHEET NO. 100F 17SHEETS STA. - TO STA. -

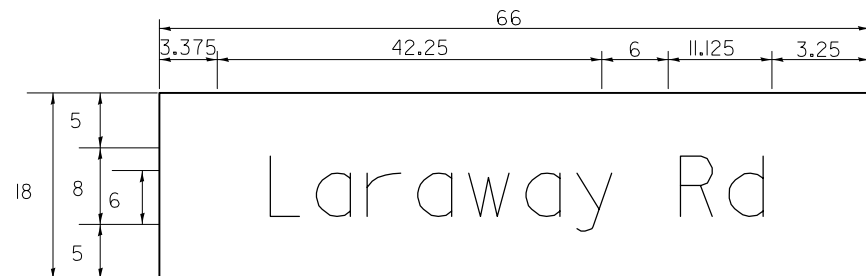
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	107
CONTRACT NO. 618B9				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

SIGN PANEL - TYPE I



DESIGN SERIES	AREA (SQ. FT)	SIGN PANEL TYPE	SHEETING TYPE	QUANTITY REQUIRED
D	6.75	I	ZZ	2



DESIGN SERIES	AREA (SQ. FT)	SIGN PANEL TYPE	SHEETING TYPE	QUANTITY REQUIRED
D	8.25	I	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL

ITEM	UNIT	TOTAL QUANTITY
LED INTERNALLY-ILLUMINATED STREET NAME SIGN	EACH	4
ELECTRIC UTILITY SERVICE CONNECTION	L.SUM	1
SERVICE FOUNDATION, GROUND MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,142
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	147
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	477
HANDHOLE	EACH	7
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	827
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,162
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,568
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2,593
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	57
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	693
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	3
STEEL MAST ARM ASSEMBLY AND POLE, 55 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	12
INDUCTIVE LOOP DETECTOR	EACH	10
DETECTOR LOOP, TYPE I	FOOT	814
LIGHT DETECTOR	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	827
REMOVE AND REINSTALL VIDEO DETECTION CAMERA	EACH	4
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	2
RELOCATE LIGHT DETECTOR	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

TS SHT NO.18

SPAAN Tech, Inc.
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 Chicago, IL 60606
 phone: 312.277.8800
 fax: 312.277.8888
 web: www.spaan-tech.com

DESIGNED - MA	REVISED -
DRAWN - CADD	REVISED -
CHECKED - MA	REVISED -
DATE - 3/31/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAST ARM MOUNTED STREET NAME SIGNS
 AND SCHEDULE OF QUANTITIES**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	108
ILLINOIS			CONTRACT NO. 61B89	

LIGHTING DRAWING LIST:

SHEET NO.	TITLE
LT-01	LIGHTING GENERAL NOTES, SYMBOLS AND ABBREVIATIONS
LT-02	PROPOSED LIGHTING PLAN 1 OF 3
LT-03	PROPOSED LIGHTING PLAN 2 OF 3
LT-04	PROPOSED LIGHTING PLAN 3 OF 3
LT-05	SINGLE LINE DIAGRAM - LIGHTING CONTROLLER "A"

VILLAGE OF NEW LENOX STANDARD DETAILS:

SHEET NO.	TITLE
LT-06	STANDARD DETAIL FOR STREET LIGHT, ARTERIAL

IDOT DISTRICT 1 STANDARD DETAILS:

SHEET	IDOT	TITLE
LT-07	BE-215	LIGHTING CONTROLLER, SINGLE DOOR
LT-08	BE-220	ELECTRIC SERVICE INSTALLATION, AERIAL, REMOTE DISCONNECT
LT-09	BE-300	LIGHT POLE FOUNDATION, 30' TO 35' M.H., 11 1/2" BOLT CIRCLE
LT-10	BE-701	LUMINAIRE SAFETY CABLE ASSEMBLY
LT-11	BE-702	MISC. ELECTRICAL DETAILS, SHEET A

IDOT DISTRICT 1 STANDARD DETAILS (MODIFIED FOR 11 1/2" BOLT CIRCLE):

LT-12	BE-310	LIGHT POLE FOUNDATION, OFFSET, 35' M.H., 11 1/2" BOLT CIRCLE
-------	--------	--

ABBREVIATIONS

A	AMPS
AWG	AMERICAN WIRE GAUGE
BOC	BACK OF CURB
C	CONDUCTORS
C	CONDUIT
DIA	DIAMETER
GND	GROUND
FT	FEET
HPS	HIGH PRESSURE SODIUM
IDOT	ILLINOIS DEPARTMENT OF TRANSPORTATION
LT	LEFT
MA	MAST ARM
MH	MOUNTING HEIGHT
P	PUSHED
PH	PHASE
RGSC	RIGID GALVANIZED STEEL CONDUIT
RT	RIGHT
STA	STATION
UNO	UNLESS NOTED OTHERWISE
USE	UNDERGROUND SERVICE
V	VOLTS
W	WATTS
W	WIRES
XLP	CROSS-LINKED POLYETHYLENE

SYMBOL LIST

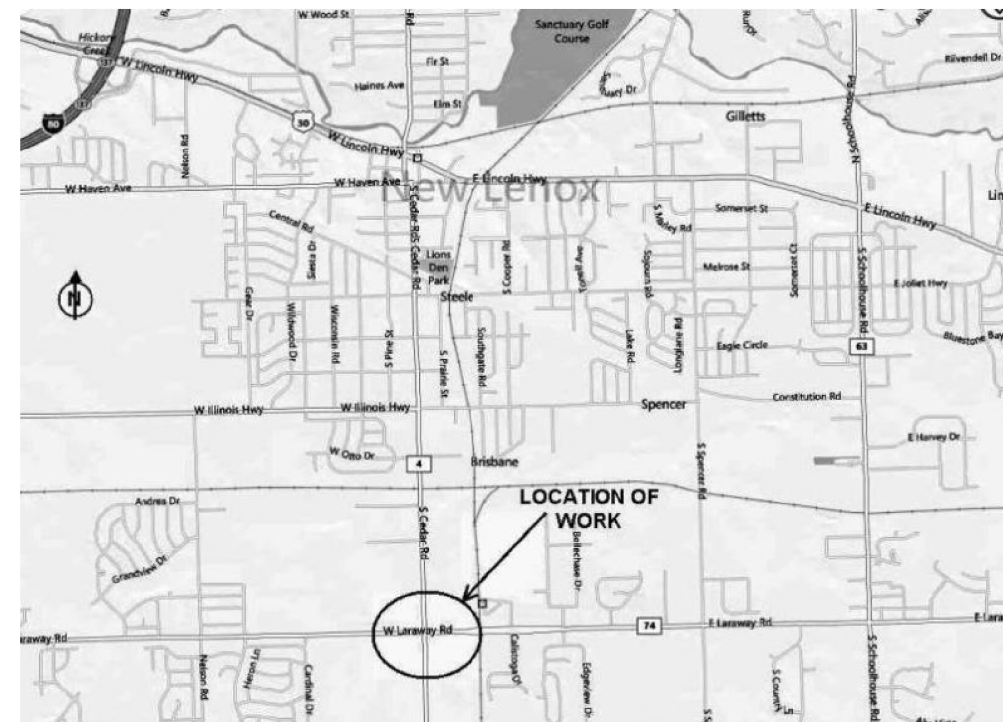
	PROPOSED LIGHTING UNIT, LUMINAIRE, LED, HORIZONTAL MOUNT, 200 WATT, 18,400 INITIAL LUMENS, 35' MOUNTING HEIGHT, 12' MAST ARM
	UNIT DUCT IN TRENCH, 1-1/4" DIA. POLYETHYLENE WITH 3-1/C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE)
	4" RGSC, WITH UNIT DUCT, 1-1/4" DIA. POLYETHYLENE WITH 3-1/C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE)
	ELECTRIC CABLE IN 4" RGSC, 600V (XLP-TYPE USE), 1/C NO. 1/0
	GROUND ROD, COPPER-CLAD STEEL, 5/8" DIA. X 10' LONG
	LIGHTING CONTROLLER CABINET, BASE MOUNTED, 100A, 240/480V, 1-PH
	ELECTRIC UTILITY POLE

SCHEDULE OF QUANTITIES - LIGHTING

ITEM	UNIT	QTY
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	700
UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	6,650
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 1/0	FOOT	600
LUMINAIRE, LED, HORIZONTAL MOUNT, SPECIAL	EACH	51
LIGHT POLE, ALUMINUM, 35 FT. M.H., 12 FT. MAST ARM	EACH	47
LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP (DUAL)	EACH	1
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	320
LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	165
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	51
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6

GENERAL NOTES - INTERSECTION LIGHTING

- SPLICING OF CONDUCTORS SHALL BE IN POLE BASES OR WEATHER TIGHT JUNCTION BOXES ONLY. SPLICES BELOW GRADE WILL NOT BE PERMITTED.
- LIGHTING CIRCUITS SHALL BE WIRED IN ACCORDANCE WITH THE PLANS. DEVIATIONS WILL NOT BE PERMITTED WITHOUT PRIOR APPROVAL OF THE ENGINEER.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO RESTORE ANY SPECIALIZED LANDSCAPING (DECORATIVE ROCKS, PLANTS, ETC.).
- ALL WORK SHALL CONFORM TO THE LATEST WILL COUNTY DIVISION OF TRANSPORTATION, IDOT, IDOT DISTRICT 1 STANDARDS, SPECIAL PROVISIONS, SUPPLEMENTAL SPECIFICATIONS, THE NATIONAL ELECTRICAL CODE, AND THE NATIONAL ELECTRICAL SAFETY CODE.
- BURIED UTILITY LOCATIONS SHOWN ON THE PLAN SHEETS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UTILITIES BEFORE STARTING WORK.
- ALL ELECTRICAL EQUIPMENT SHALL BE UL LISTED AND LABELED.
- ALL CONDUITS SHALL BE SEALED.
- ALL CIRCUIT WIRES SHALL BE LABELED WITH CIRCUIT IDENTIFICATION.
- CIRCUITS SHALL BE TESTED PER SPECIFICATION.
- THE LOCATIONS OF ALL PROPOSED EQUIPMENT ARE ILLUSTRATED DIAGRAMMATICALLY. THE ACTUAL LOCATION IN THE FIELD SHALL MEET THE APPROVAL OF THE ENGINEER.
- ALL MEASUREMENTS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY MEASUREMENTS IN THE FIELD.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTING INSTALLATIONS AND DATA PRIOR TO BIDDING.
- THE CONTRACTOR MUST MAINTAIN SAFE EQUIPMENT AND WORKING CLEARANCES FROM THE EXISTING COMED OVERHEAD ELECTRIC LINES. THE CONTRACTOR SHALL PLAN HIS/HER WORK CONSIDERING COMED'S LINES TO BE IN SERVICE AND ENERGIZED THROUGHOUT THE CONSTRUCTION PERIOD.
- GROUNDING CONDUCTORS SHALL BE CONTINUOUS.
- ALL NEW UNIT DUCTS AND UNDERGROUND CONDUITS SHALL BE PLACED A MINIMUM OF 30" BENEATH THE GROUND SURFACE (FINAL GRADE), UNLESS NOTED OTHERWISE.
- CONTACT COMED, 815-724-5832, AT LEAST 30 DAYS PRIOR TO THE DATE REQUIRED FOR THE COMED WORK TO START.



DATE	BY	DESCRIPTION

DATE	BY	DESCRIPTION

PLOT SCALE=1/8"=1'-0" / 1/4"=1'-0"
 PLOT DATE = 12/7/2017
 FILE NAME = LT-01_Sheet Index.dgn

Globetrotters
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 311 South Wacker Drive, Suite 2400
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 ID/EPFR LICENSE NO. 184.002673 www.SpaanTech.com

DESIGNED - YK	REVISED -
DRAWN - CADD	REVISED -
CHECKED - IB	REVISED -
DATE - 3/31/2021	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS
 CEDAR ROAD AND LARAWAY ROAD LIGHTING

SCALE: 1"=100' SHEET NO. OF SHEETS STA. XXX+XX TO STA. XXX+XX

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	08-00138-28-TL	WILL	156	109
CONTRACT NO. 61889			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

LT-01

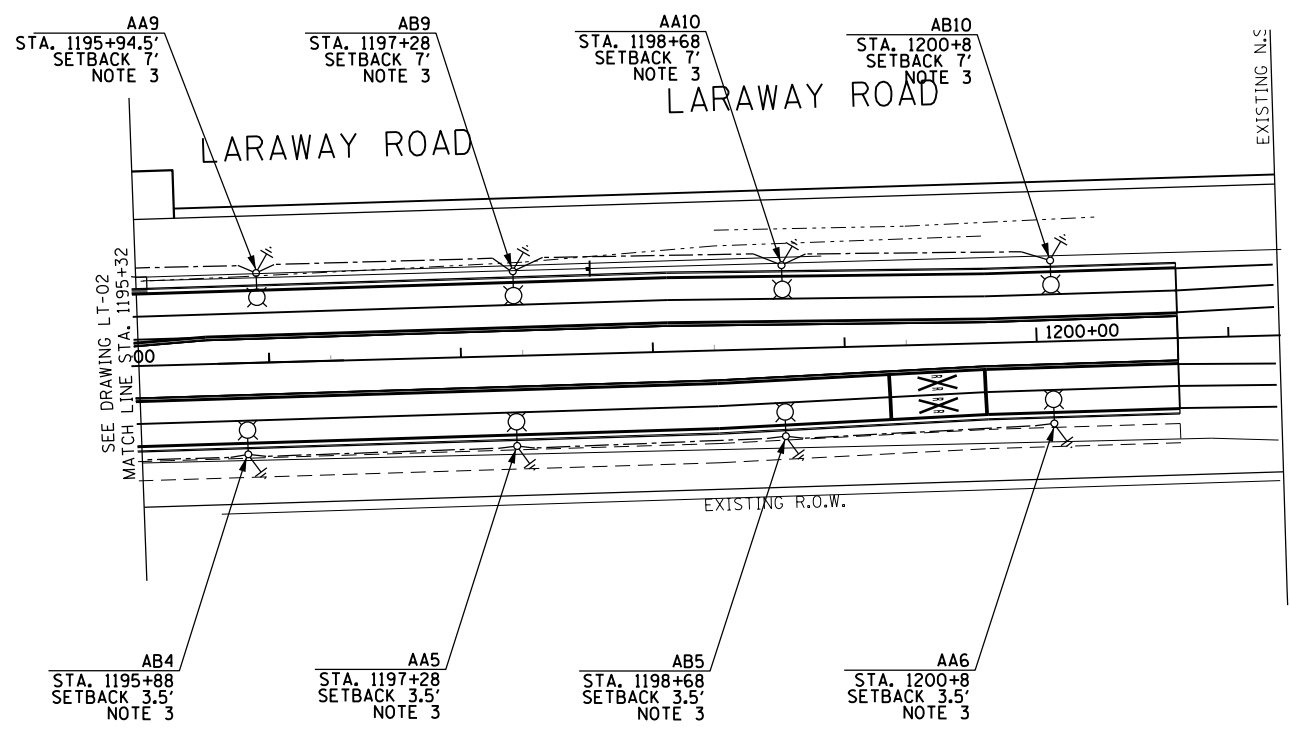
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		NO.			

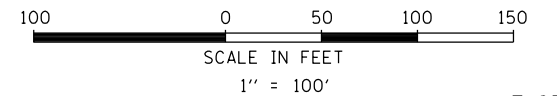
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 PLOT DATE =
 FILE NAME = #FILES\$

NOTES

1. ALL POLE SET BACKS SHALL BE 4' FROM FACE OF CURB TO CENTER OF POLE, OR 12' FROM EDGE OF PAVEMENT TO CENTER OF POLE AS APPROPRIATE, UNLESS NOTED OTHERWISE.
2. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS OF POTENTIAL CONFLICTS OF EXISTING UNDERGROUND UTILITIES WITH PROPOSED POLE LOCATIONS. CONTRACTOR SHALL OBTAIN ENGINEER'S APPROVAL TO INSTALL OFFSET POLE FOUNDATIONS AT THE VERIFIED CONFLICT LOCATIONS. WHERE OFFSET FOUNDATIONS ARE NOT REQUIRED, THE CONTRACTOR SHALL INSTALL A STANDARD CONCRETE POLE FOUNDATION.
3. POTENTIAL FOUNDATION CONFLICT WITH STORM OR SANITARY SEWER. CONTRACTOR TO VERIFY IN FIELD WITH EXPLORATORY TRENCH AND USE OFFSET FOUNDATION IF CONFLICTS EXIST. REFER TO DRAWING LT-12 FOR OFFSET FOUNDATION DETAILS. COST OF EXPLORATORY TRENCH SHALL BE INCLUDED IN THE COST OF THE POLE FOUNDATION.



156 111



LT-03

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DESIGNED - YK	REVISED -
DRAWN - CADD	REVISED -
CHECKED - IB	REVISED -
DATE - 3/31/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
 CEDAR ROAD AND LARAWAY ROAD**

SCALE: 1"=100' SHEET NO. OF SHEETS STA. XXX+XX TO STA. XXX+XX

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	08-00138-28-TL	WILL	156	111
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61B89	

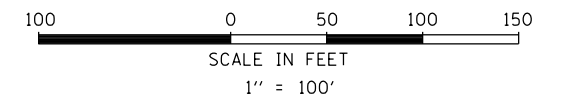
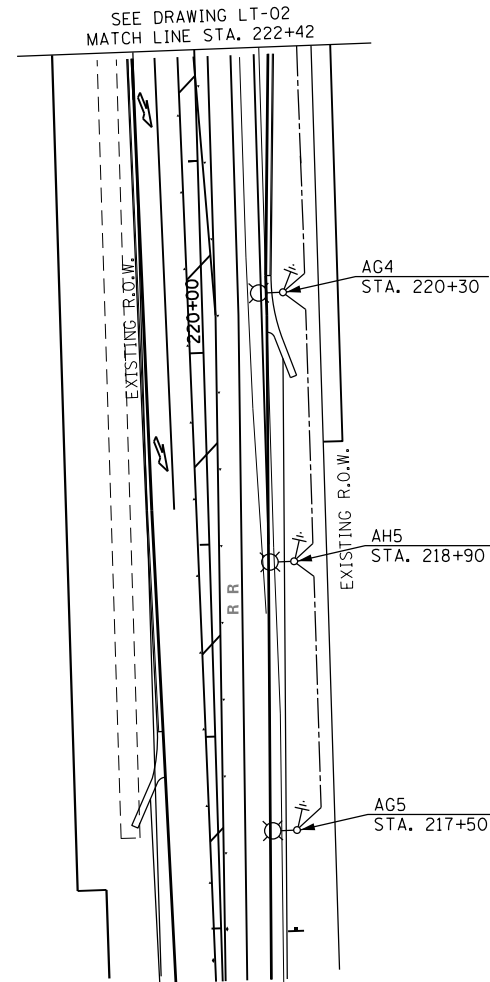
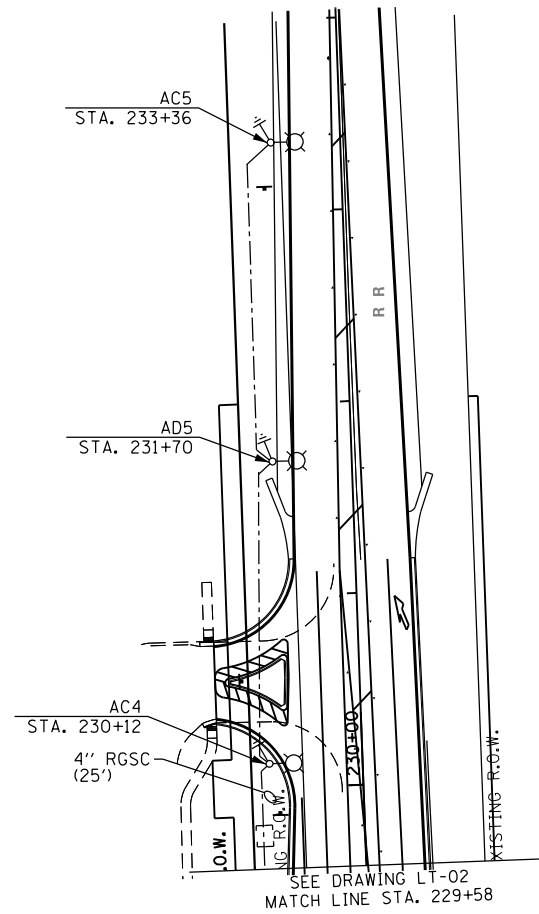
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		NO.			

DATE	BY	SURVEYED	PLOTTED	TEMPLATE	AREAS CHECKED
		NO.			

PLOT SCALE = \$SCALE\$
 FILE NAME = \$FILES\$

NOTES

1. ALL POLE SET BACKS SHALL BE 4' FROM FACE OF CURB TO CENTER OF POLE, OR 12' FROM EDGE OF PAVEMENT TO CENTER OF POLE AS APPROPRIATE, UNLESS NOTED OTHERWISE.
2. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS OF POTENTIAL CONFLICTS OF EXISTING UNDERGROUND UTILITIES WITH PROPOSED POLE LOCATIONS. CONTRACTOR SHALL OBTAIN ENGINEER'S APPROVAL TO INSTALL OFFSET POLE FOUNDATIONS AT THE VERIFIED CONFLICT LOCATIONS. WHERE OFFSET FOUNDATIONS ARE NOT REQUIRED, THE CONTRACTOR SHALL INSTALL A STANDARD CONCRETE POLE FOUNDATION.



LT-04

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DESIGNED - YK	REVISED -
DRAWN - CADD	REVISED -
CHECKED - IB	REVISED -
DATE - 3/31/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
 CEDAR ROAD AND LARAWAY ROAD**

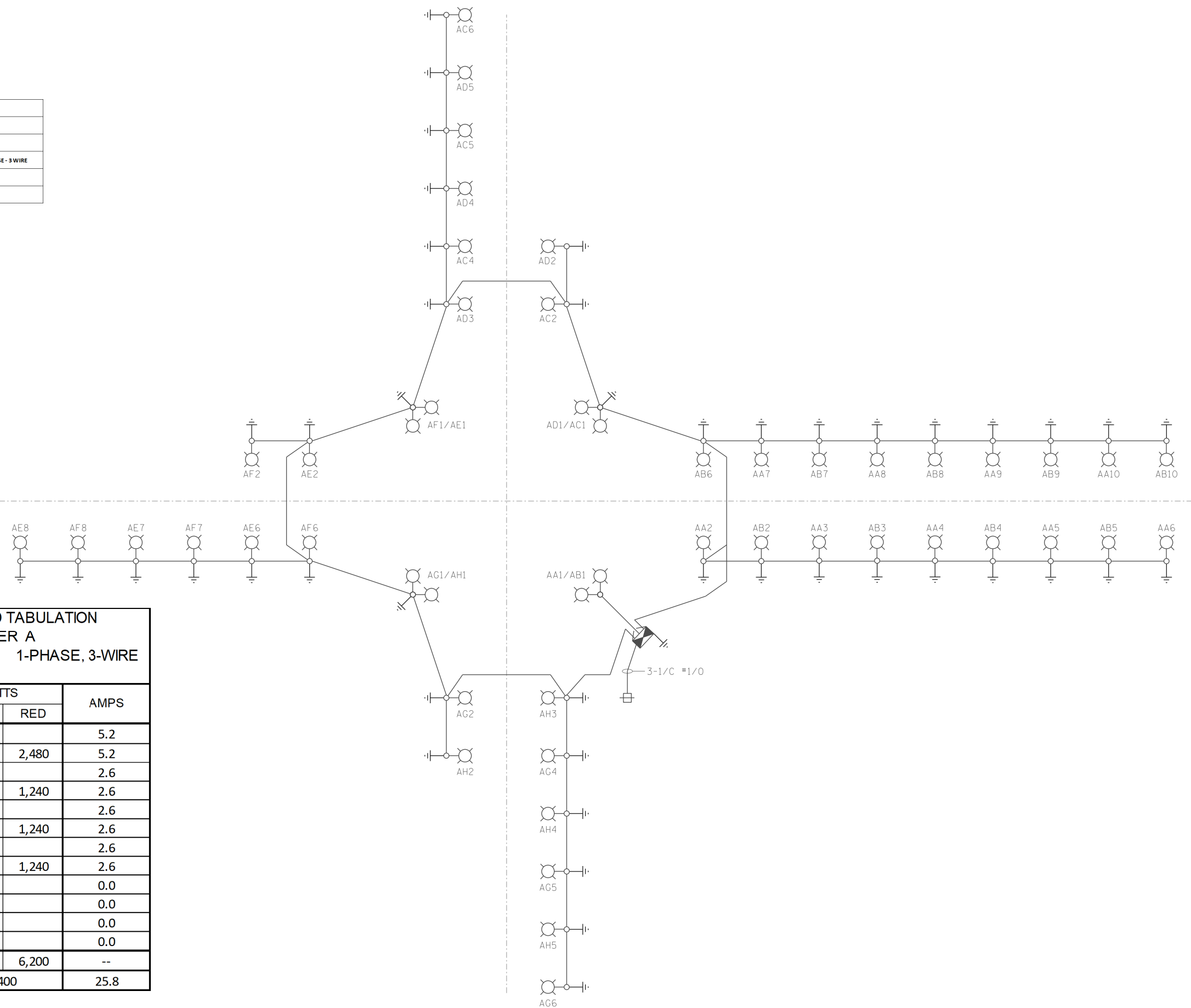
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61B89				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	
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NOTE BOOK	
PLOTTED	
TEMPERATURE	
AREAS CHECKED	
NO.	

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

LEGEND	DESCRIPTION
	PROPOSED LIGHTING UNIT, LUMINAIRE, LED, 240V
	3-1/C NO.4, 1-1/C NO.6 GROUND (XLP-TYPE USE)
	PROPOSED LIGHTING CONTROLLER "A" 240/480 VAC, 1 PHASE - 3 WIRE
	GROUND ROD
	ELECTRIC UTILITY POLE



PANEL SCHEDULE AND LOAD TABULATION				
LIGHTING CONTROLLER A				
240 / 480 VOLTS 1-PHASE, 3-WIRE				
MAIN BREAKER: 100A				
CIRCUIT	BREAKER TRIP AMPS	WATTS		AMPS
		BLACK	RED	
AA	20	2,480		5.2
AB	20		2,480	5.2
AC	20	1,240		2.6
AD	20		1,240	2.6
AE	20	1,240		2.6
AF	20		1,240	2.6
AG	20	1,240		2.6
AH	20		1,240	2.6
SPARE	20			0.0
SPARE	20			0.0
SPARE	20			0.0
SPARE	20			0.0
SUBTOTAL		6,200	6,200	--
TOTAL		12,400		25.8

PLOT SCALE = 1/8" = 1' / in.
 PLOT DATE = 2/9/2021
 FILE NAME = LT-05 Single Line Diagram Lighting Controller A.dgn

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CHECKED - IB	REVISED -
DATE - 3/31/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SINGLE LINE DIAGRAM
LIGHTING CONTROLLER "A"

SCALE: NONE SHEET NO. OF SHEETS STA. XXX+XX TO STA. XXX+XX

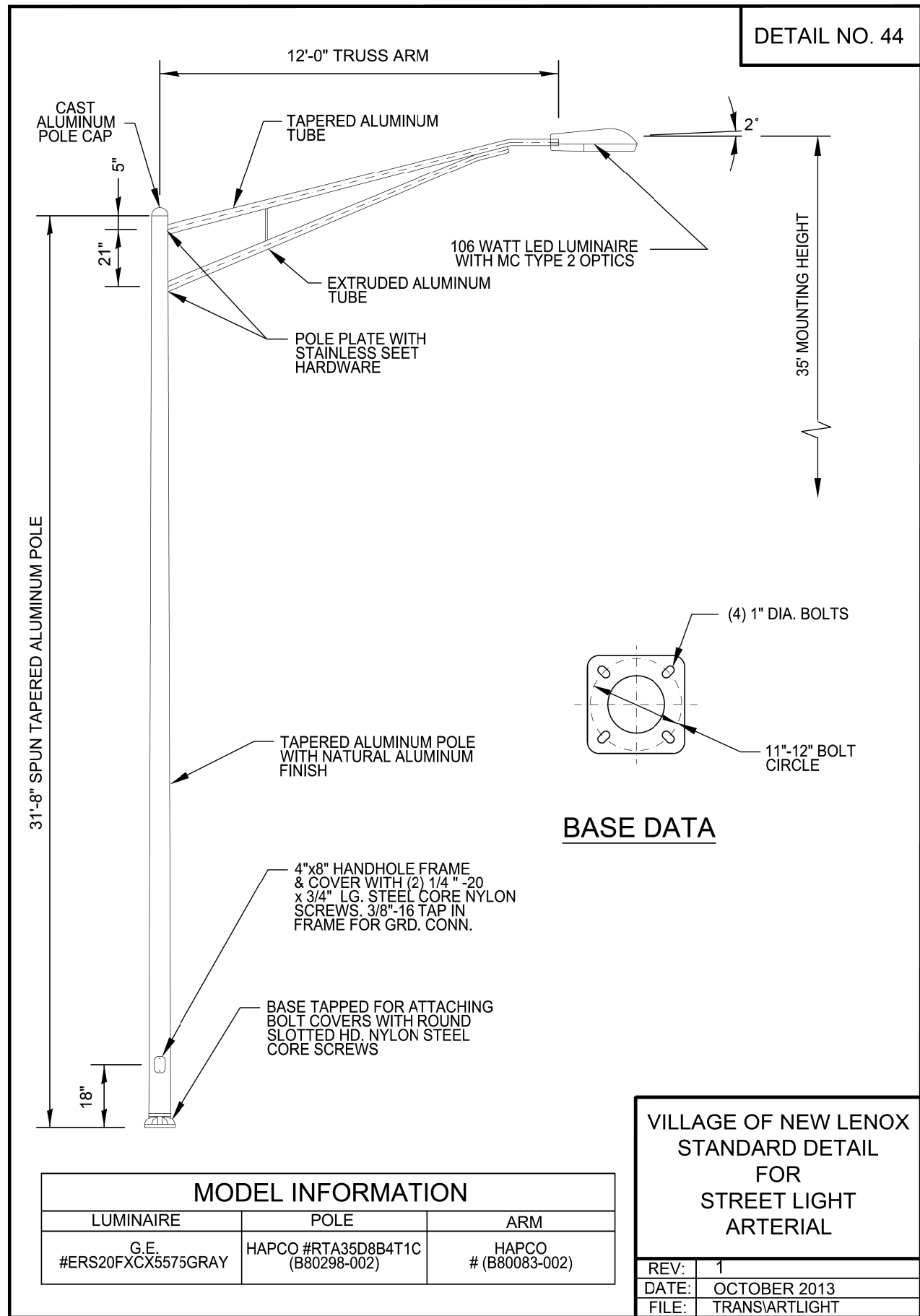
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CONTRACT NO. 61B89				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LT-05

DATE	
BY	
FINAL SURVEY	
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DATE	
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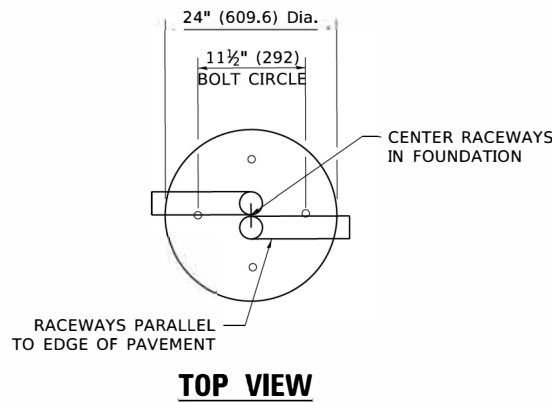
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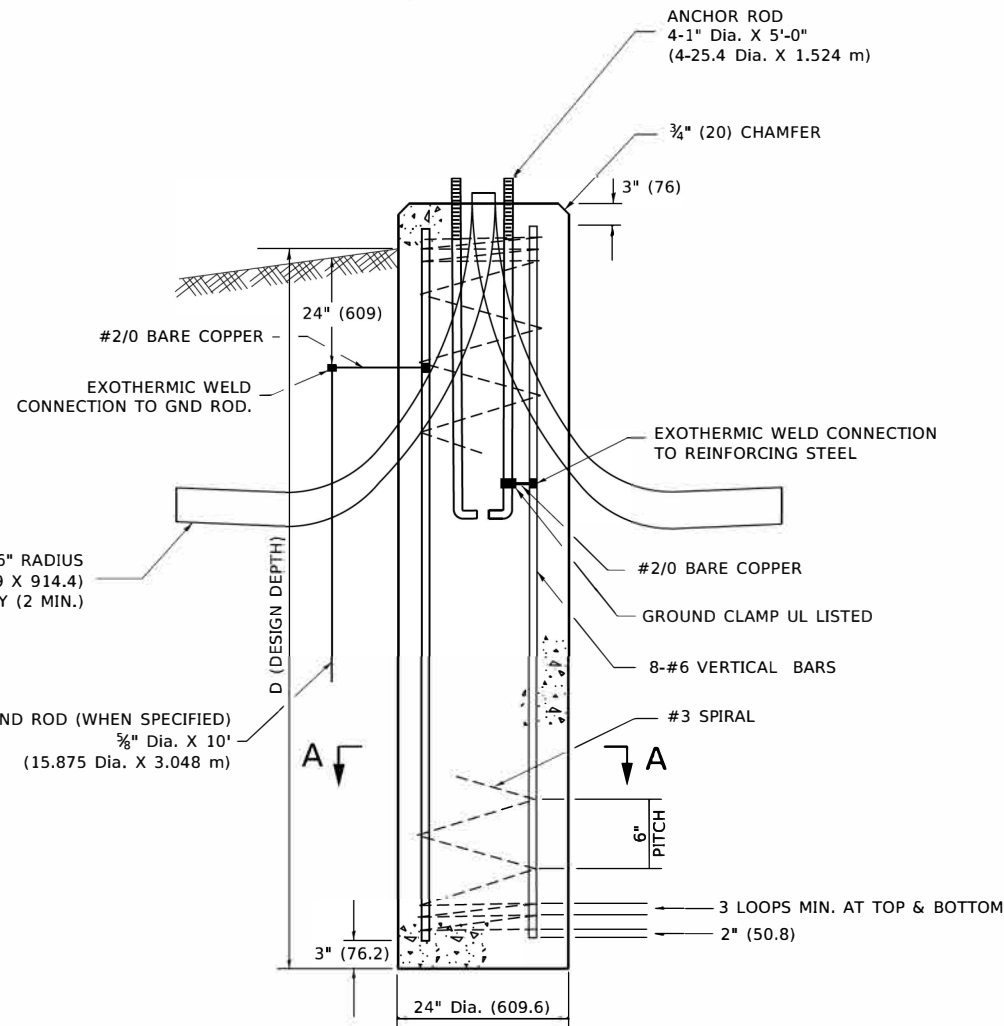
LT-06

LIGHT POLE FOUNDATION DEPTH TABLE
30 FT. (9.144 m) TO 35 FT. (10.668 m) MOUNTING HEIGHT

SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT.	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND φ = 34°	9'-6" (2.90 m)	10'-7" (3.22 m)
MEDIUM SAND φ = 37.5°	9'-0" (2.74 m)	9'-10" (2.99 m)
DENSE SAND φ = 40°	8'-3" (2.51 m)	9'-7" (2.91 m)



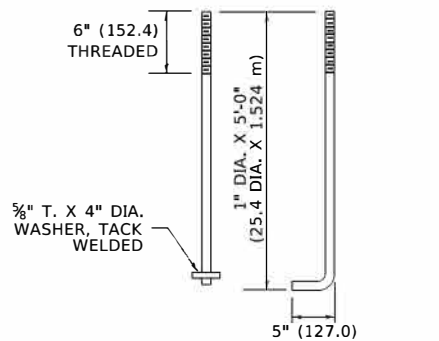
TOP VIEW



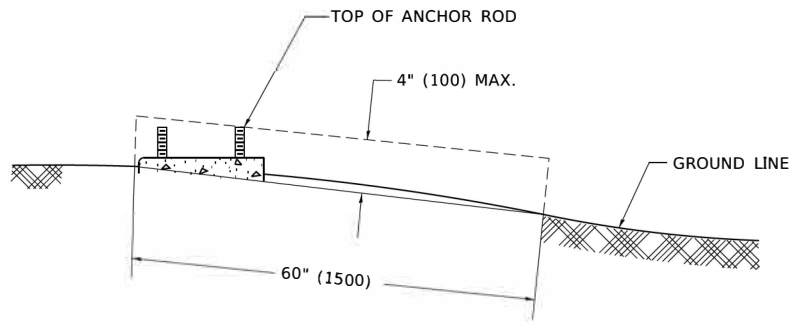
FOUNDATION DETAIL

NOTES

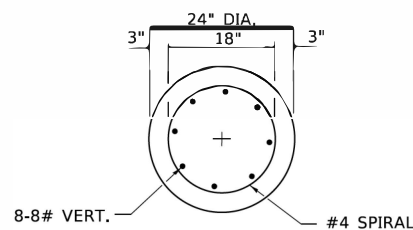
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 23#4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.



ANCHOR BOLT DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A

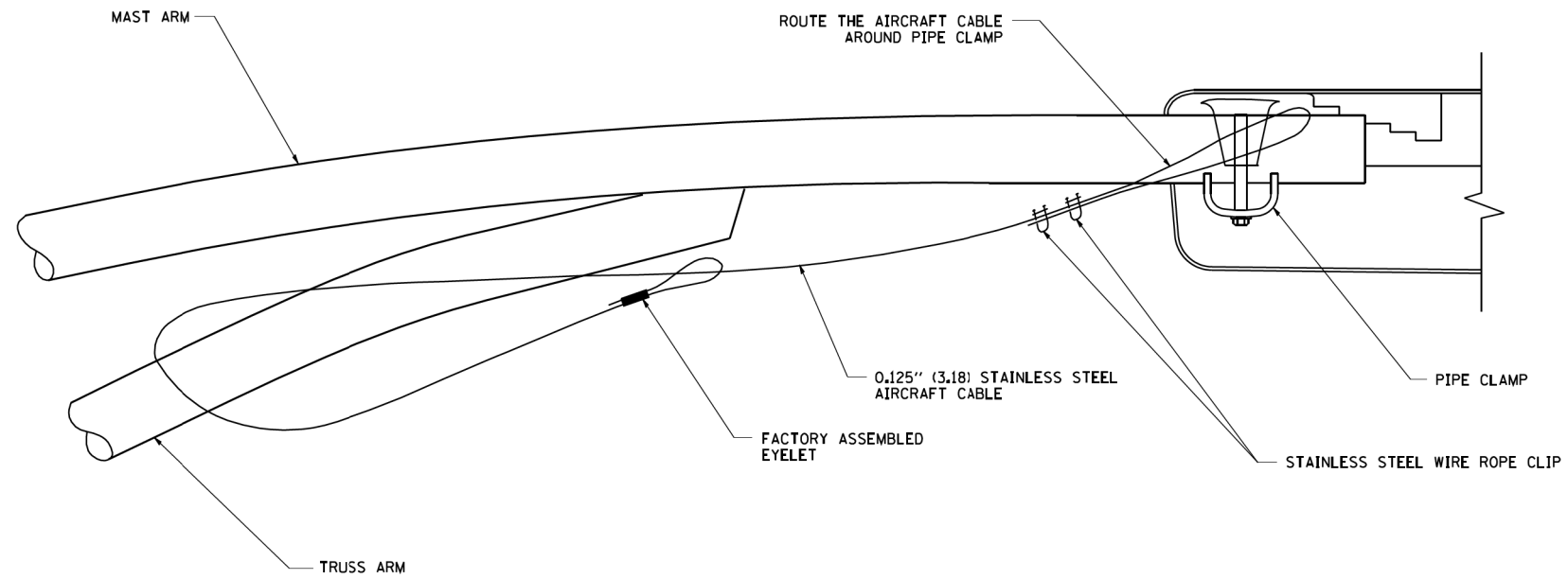
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 CHECKED: ...
 DATE: 3/31/2021

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PLOT DATE = 4/19/2019	CHECKED -	REVISED -
	DATE = 3/31/2021	REVISED -

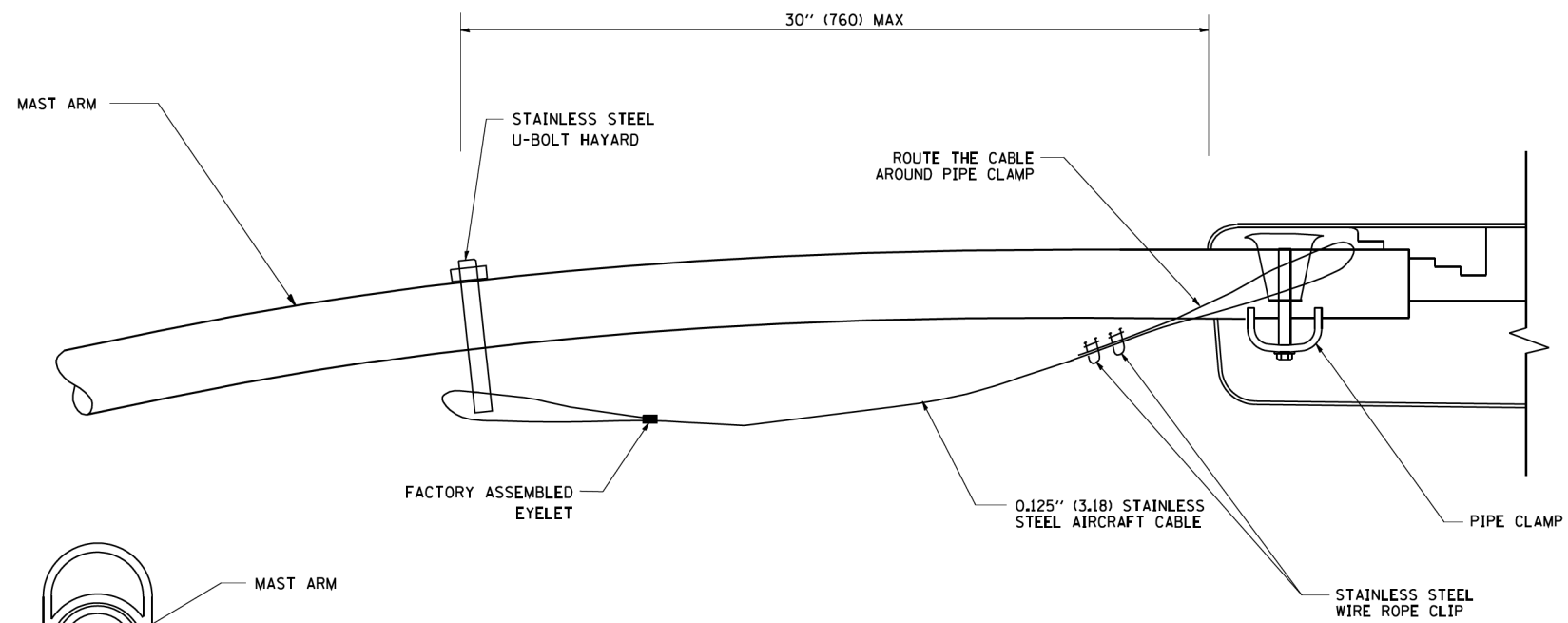
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION
30' (9.144 m) TO 35' (10.668 m) M.H. 11 1/2" (292 mm) BOLT CIRCLE

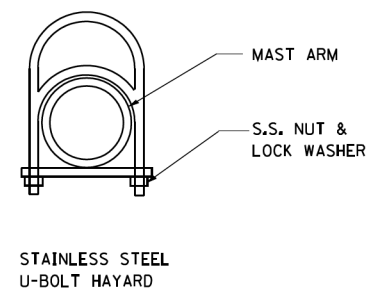
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	08-138-28-TL	WILL	156	117
BE-300			CONTRACT NO. 61B89	
ILLINOIS FED. AID PROJECT				



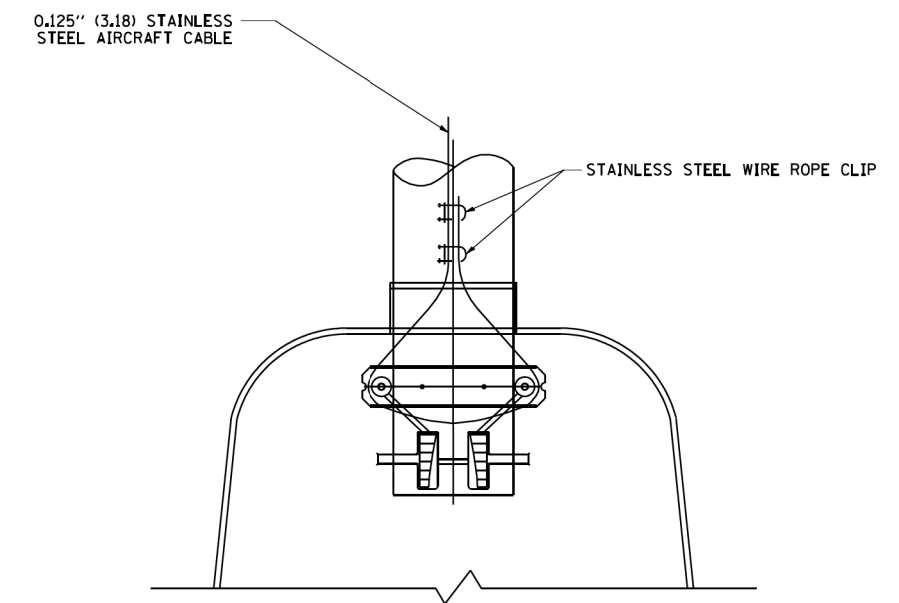
SIDE VIEW (TRUSS ARM)
N.T.S.



SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)
N.T.S.



STAINLESS STEEL U-BOLT HAYARD

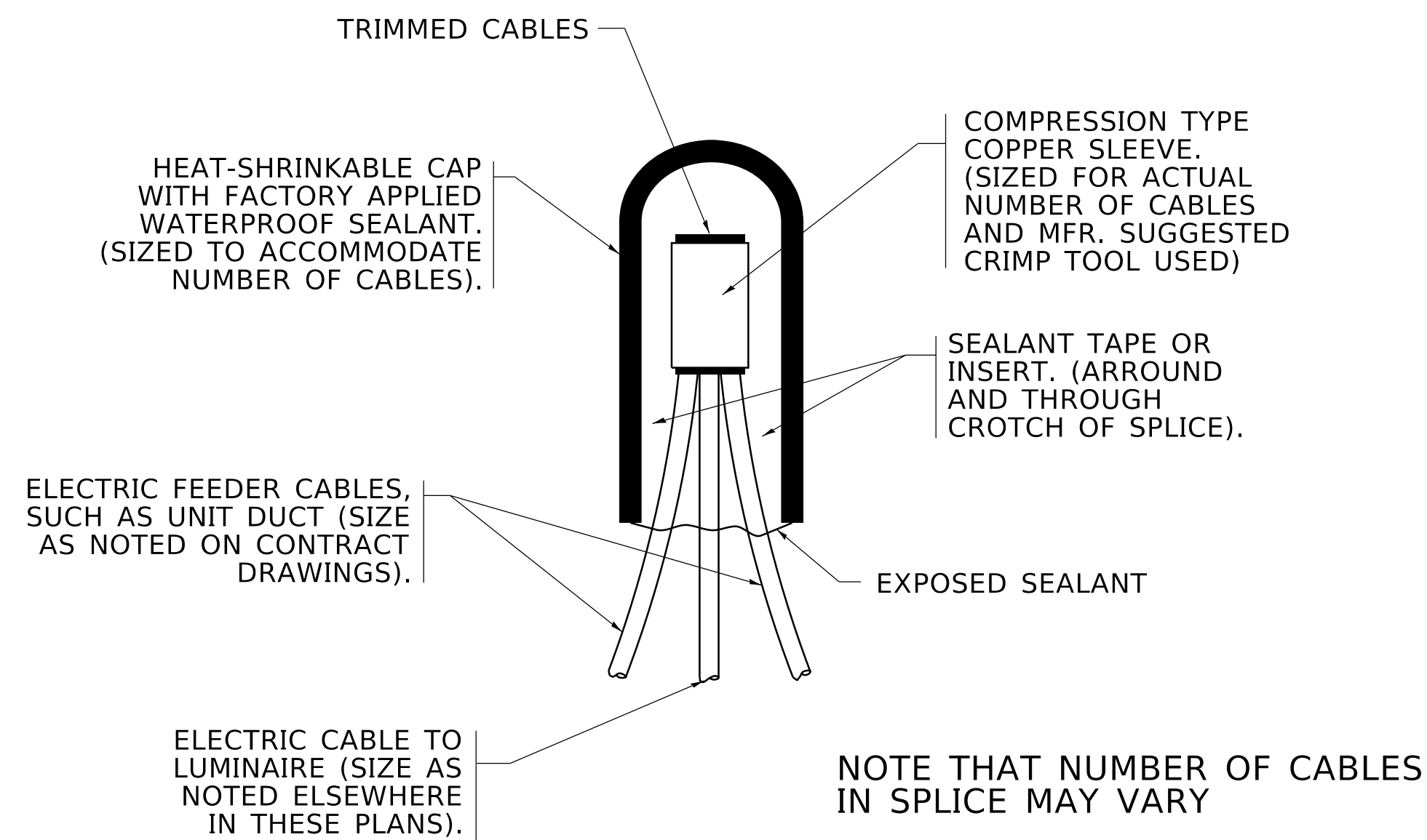


BOTTOM VIEW
N.T.S.

NOTES:

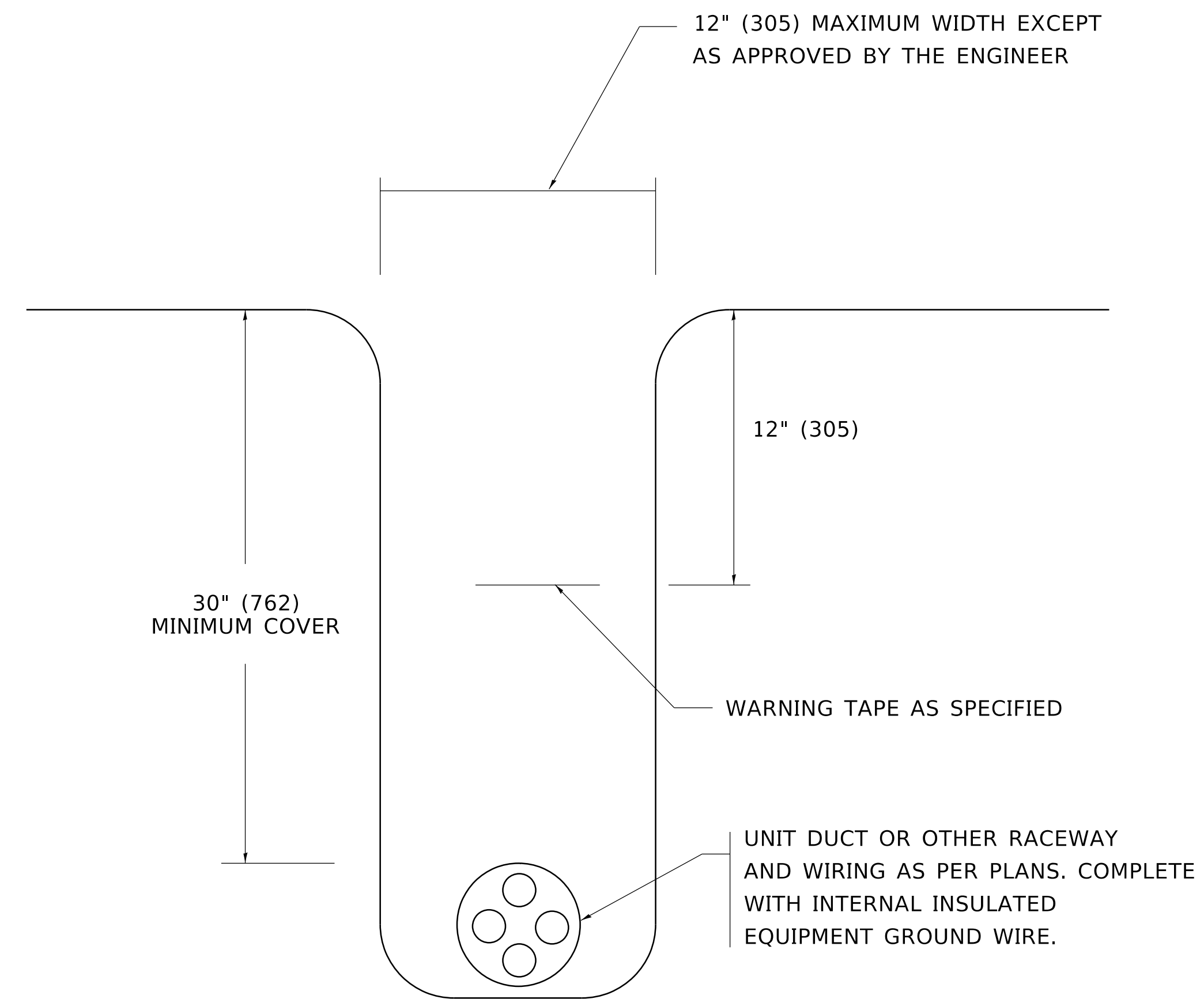
1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.

FILE NAME = W:\diststd\22x34\be701.dgn	USER NAME = geglanoht	DESIGNED -	REVISED - 08-08-03	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LUMINAIRE SAFETY CABLE ASSEMBLY				F.A. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.000' / IN.	DRAWN -	REVISED -						0369	08-138-28-TL	WILL	156	118
PLOT DATE = 1/4/2008	DATE = 3/31/2021	CHECKED -	REVISED -	SCALE: NONE	SHEET NO.	OF SHEETS	STA.	TO STA.	BE-701 CONTRACT NO. 61B89				
									FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

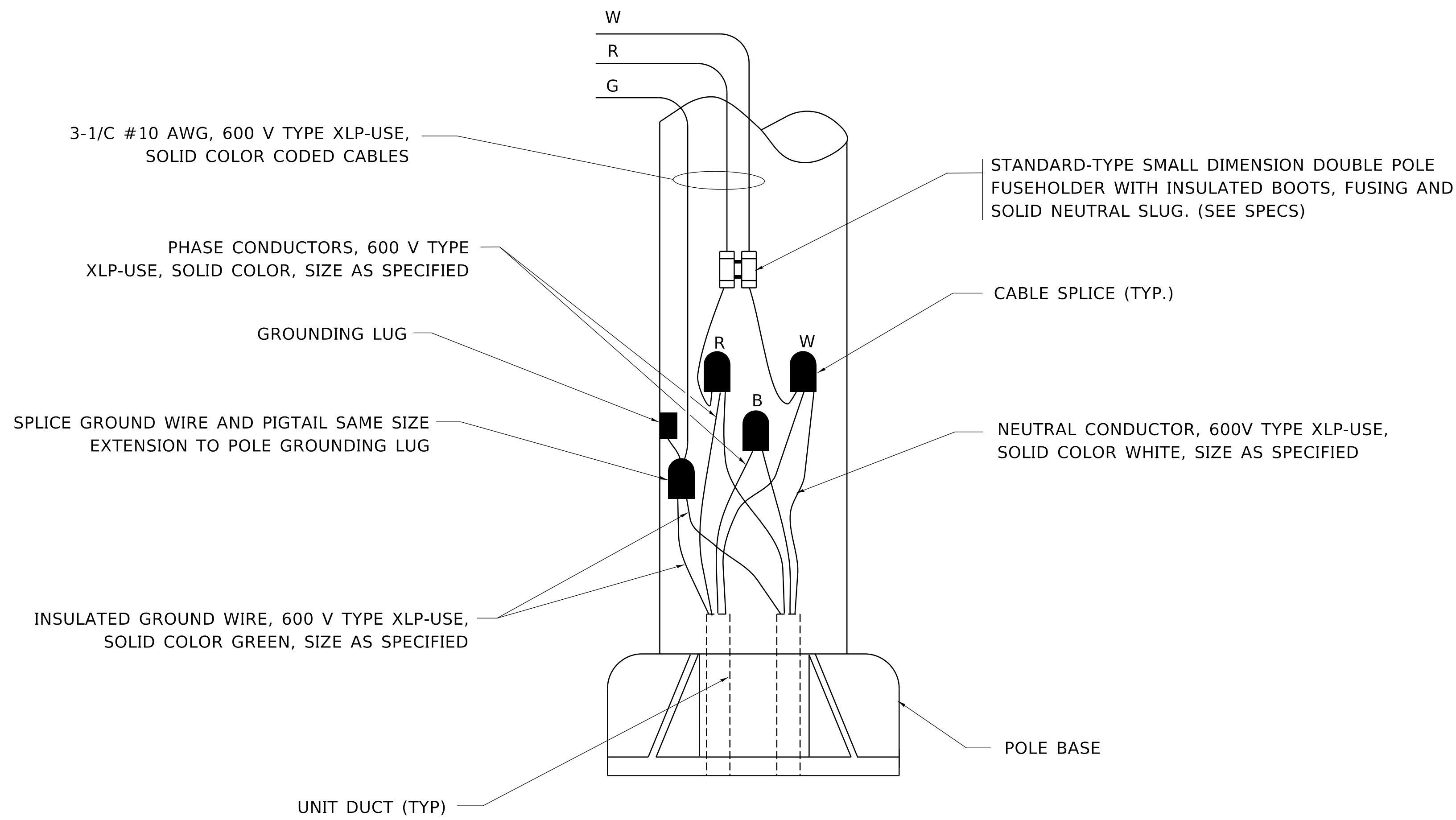


NOTE THAT NUMBER OF CABLES IN SPLICE MAY VARY

TYPICAL SPLICE DETAIL
N.T.S.



TYPICAL WIRING IN TRENCH DETAIL
N.T.S.



POLE WIRING DETAIL
N.T.S.

MODEL: Default
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	DATE - 3/31/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISC. ELECTRICAL DETAILS			
SHEET A			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	08-138-28-TL	WILL	156	119
BE-702			CONTRACT NO. 61B89	
<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>				

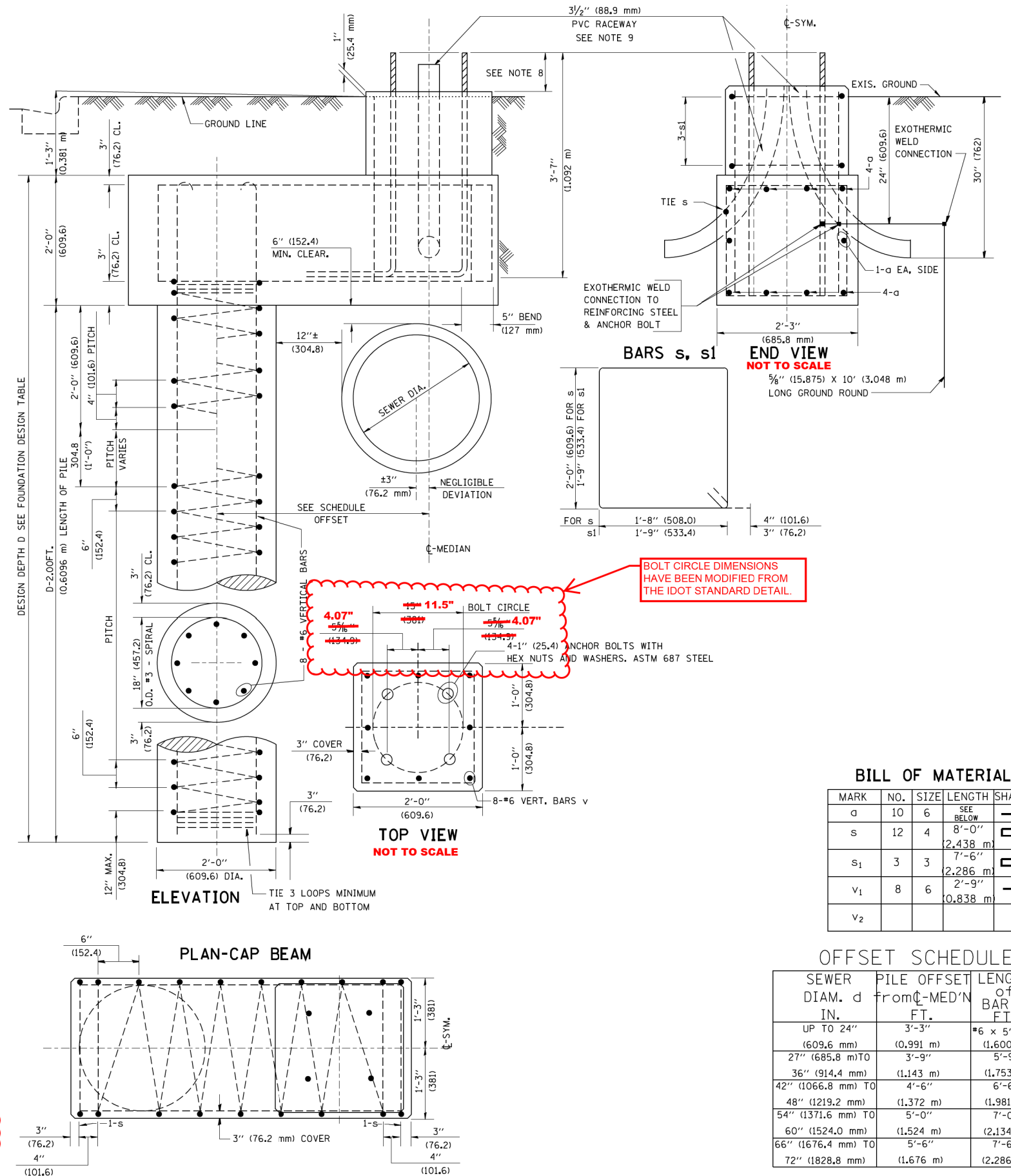
FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	13'-0" (3.962 m)	15'-0" (4.572 m)	8-#6X12'-6" (3.810 m)	#3X122' (37.186 m)	8-#6X14'-3" (4.343 m)	#3X141' (42.977 m)
MEDIUM CLAY	9'-6" (2.896 m)	10'-9" (3.277 m)	8-#6X9'-0" (2.743 m)	#3X90' (27.432 m)	8-#6X10'-0" (3.048 m)	#3X100' (30.480 m)
STIFF CLAY	7'-0" (2.134 m)	8'-0" (2.438 m)	8-#6X6'-6" (1.981 m)	#3X66' (20.112 m)	8-#6X7'-6" (2.286 m)	#3X76' (23.165 m)
LOOSE SAND	9'-0" (2.743 m)	10'-0" (3.048 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)	8-#6X9'-6" (2.896 m)	#3X94' (28.651 m)
MEDIUM SAND	8'-3" (2.515 m)	9'-0" (2.743 m)	8-#6X8'-0" (2.438 m)	#3X78' (23.774 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
DENSE SAND	7'-9" (2.362 m)	9'-0" (2.743 m)	8-#6X7'-6" (2.286 m)	#3X73' (22.250 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
ROCK OR SOLIDIFIED SLAG	5'-0" (1.524 m)	5'-0" (1.524 m)	NONE	NONE	NONE	NONE

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
- EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" (609.6 mm) OR 30" (762.0 mm) IN DIAMETER.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
- RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERECTED.

BOLT CIRCLE DIMENSIONS HAVE BEEN MODIFIED FROM THE IDOT STANDARD DETAIL.



BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	8'-0" (2.438 m)	□
s ₁	3	3	7'-6" (2.286 m)	□
v ₁	8	6	2'-9" (0.838 m)	—
v ₂				

OFFSET SCHEDULE

SEWER DIAM. d IN.	PILE OFFSET from C-MED'N FT.	LENGTH of BAR a FT.
UP TO 24" (609.6 mm)	3'-3" (0.991 m)	#6 x 5'-3" (1.600 m)
27" (685.8 mm) TO	3'-9" (1.143 m)	5'-9" (1.753 m)
36" (914.4 mm)	(1.143 m)	(1.753 m)
42" (1066.8 mm) TO	4'-6" (1.372 m)	6'-6" (1.981 m)
48" (1219.2 mm)	(1.372 m)	(1.981 m)
54" (1371.6 mm) TO	5'-0" (1.524 m)	7'-0" (2.134 m)
60" (1524.0 mm)	(1.524 m)	(2.134 m)
66" (1676.4 mm) TO	5'-6" (1.676 m)	7'-6" (2.286 m)
72" (1828.8 mm)	(1.676 m)	(2.286 m)

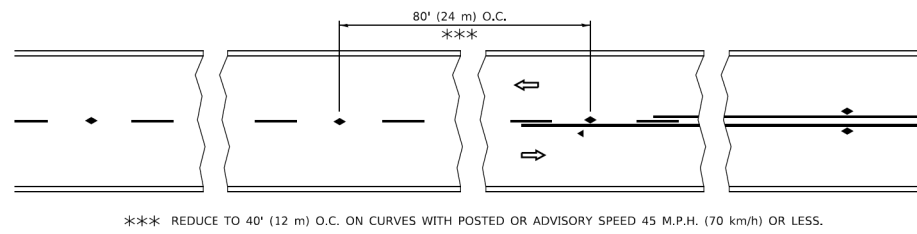
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		DATE - 3/31/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

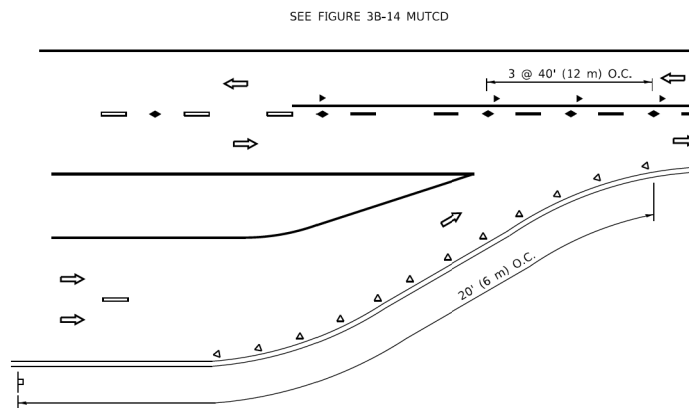
LIGHT POLE FOUNDATION OFFSET
35' 40" (10.702 m) TO 47' 42" (14.470 m) M.H.
11 1/2" (291 mm) BOLT CIRCLE

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

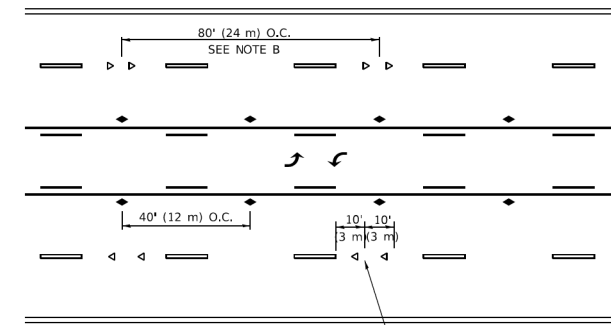
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BE-310		CONTRACT NO. 61B89	ILLINOIS FED. AID PROJECT	



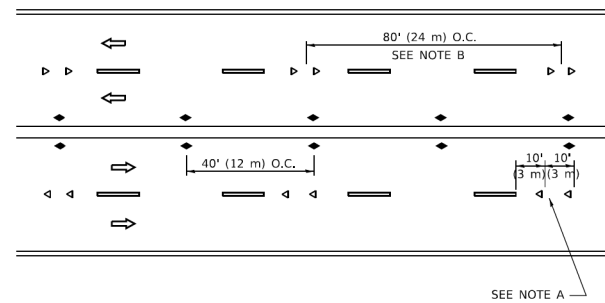
TWO-LANE/TWO-WAY



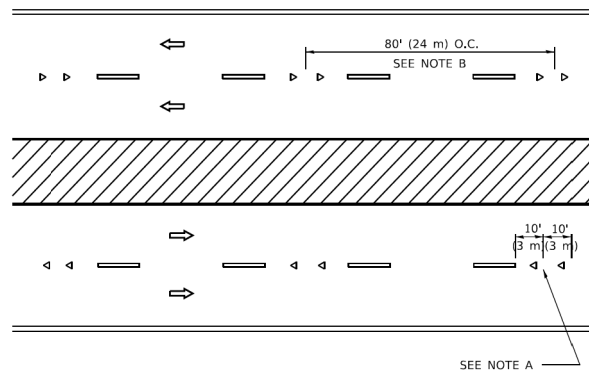
LANE REDUCTION TRANSITION



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.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

SYMBOLS

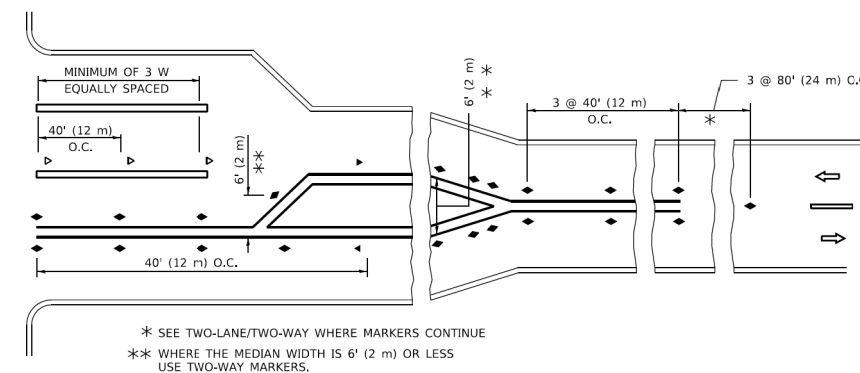
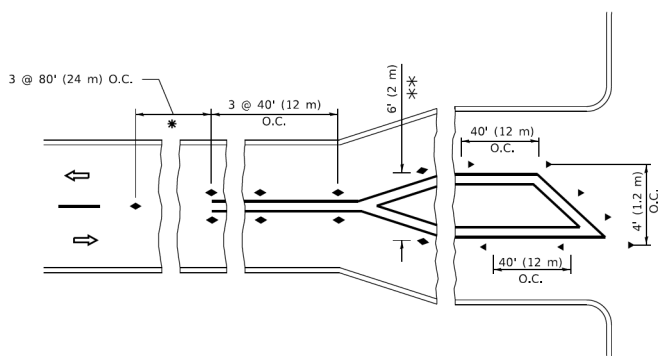
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.



TURN LANES

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

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PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TC-11				CONTRACT NO.
ILLINOIS				FED. AID PROJECT

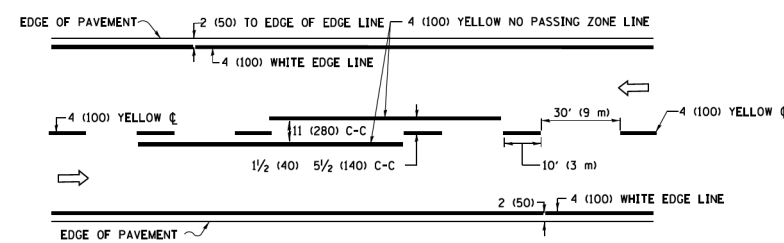
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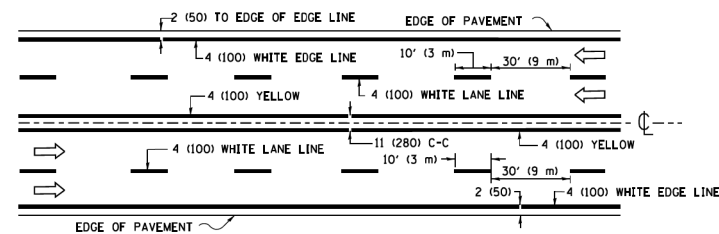
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
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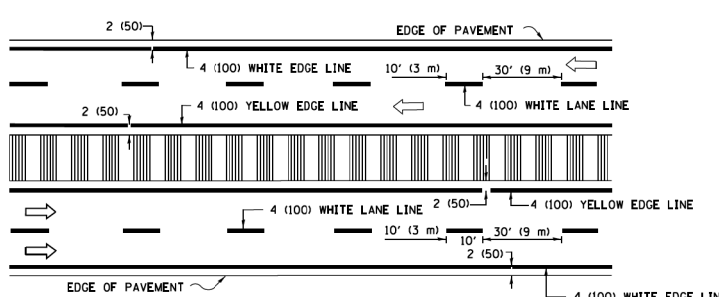
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369	08-00138-28-TL	WILL	156	121
				CONTRACT NO. 61B89
ILLINOIS				FED. AID PROJECT



2-LANE ROADWAY

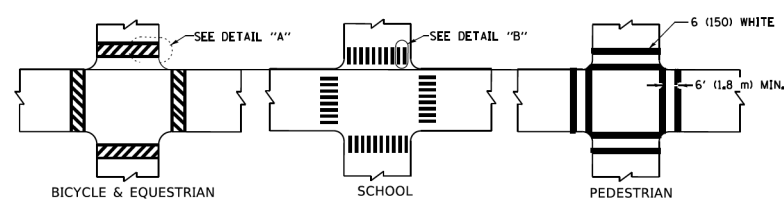


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

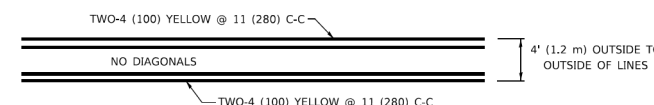


DETAIL "A"

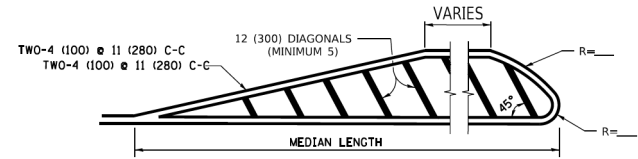
DETAIL "B"

TYPICAL CROSSWALK MARKING

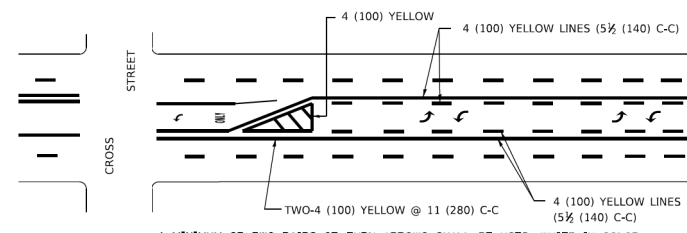
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



4' (1.2 m) WIDE MEDIANS ONLY

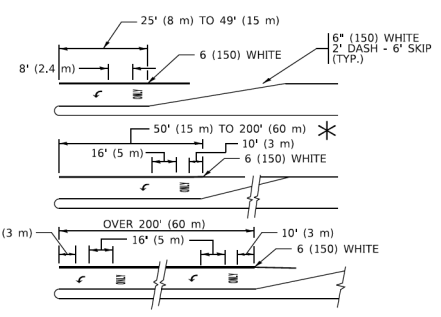


MEDIANS OVER 4' (1.2 m) WIDE



MEDIAN WITH TWO-WAY LEFT TURN LANE

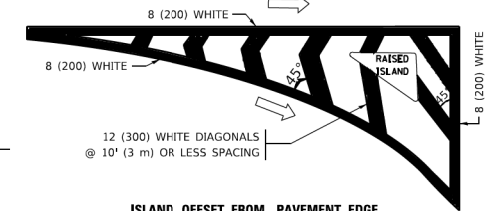
TYPICAL PAINTED MEDIAN MARKING



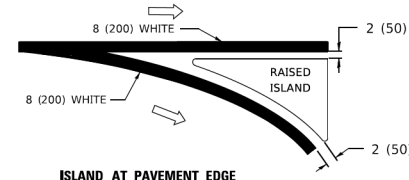
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE 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".

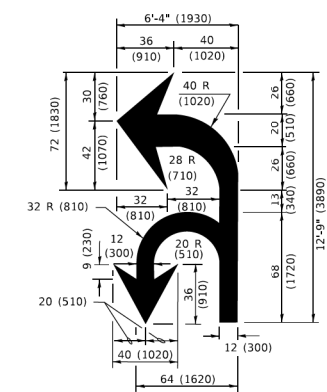


ISLAND OFFSET FROM PAVEMENT EDGE

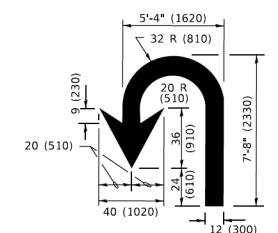


ISLAND AT PAVEMENT EDGE

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	5 1/2 (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; 5 1/2 (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 SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²) EACH
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		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE	SHEET 1 OF 2 SHEETS	STA.	TO STA.			

TC-13		CONTRACT NO.	
ILLINOIS	FED. AID PROJECT		

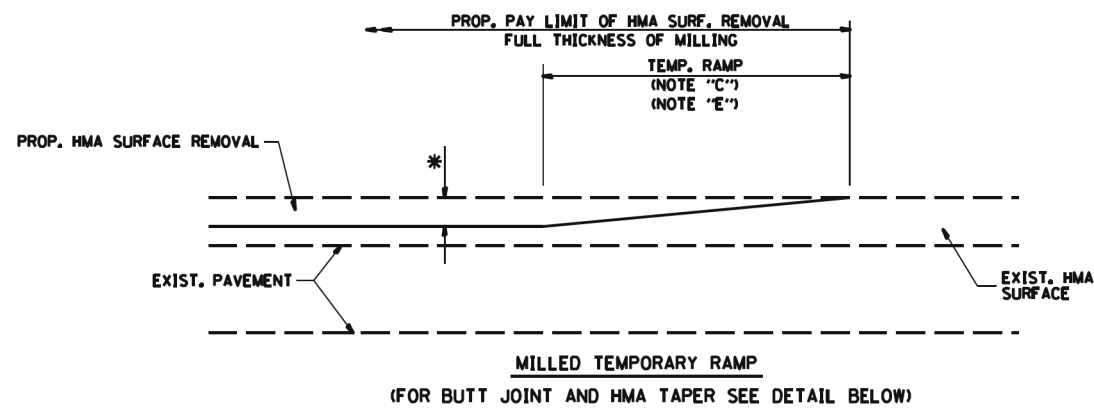
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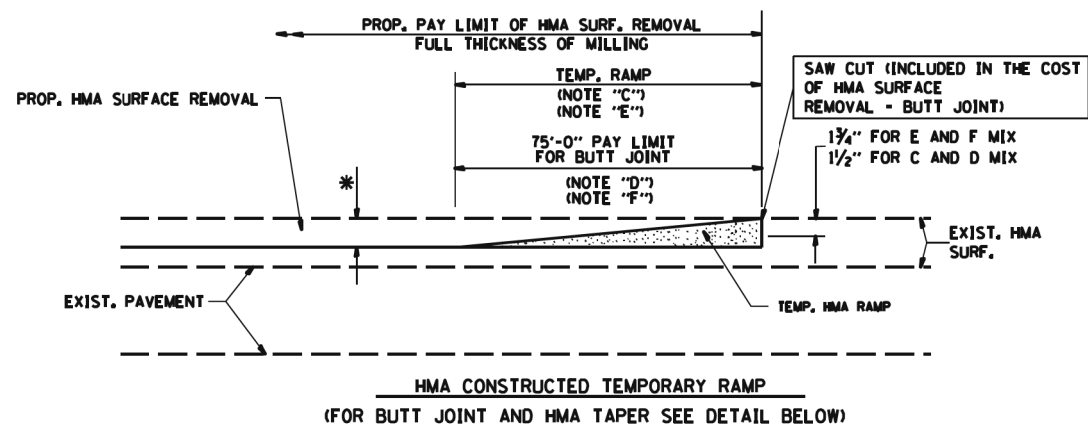
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE TYPICAL PAVEMENT MARKINGS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE:	SHEET 2 OF 5 SHEETS	STA.	TO STA.			

TC-13		CONTRACT NO.	
ILLINOIS	FED. AID PROJECT		

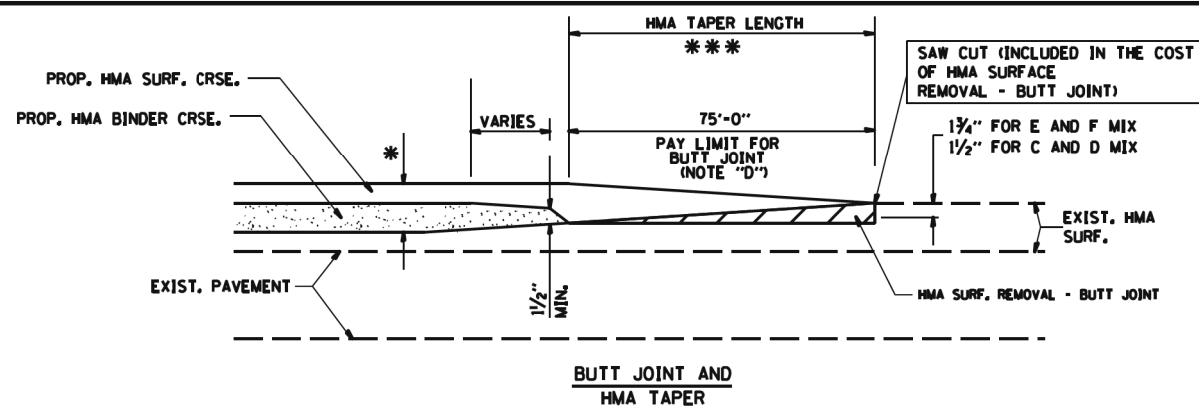


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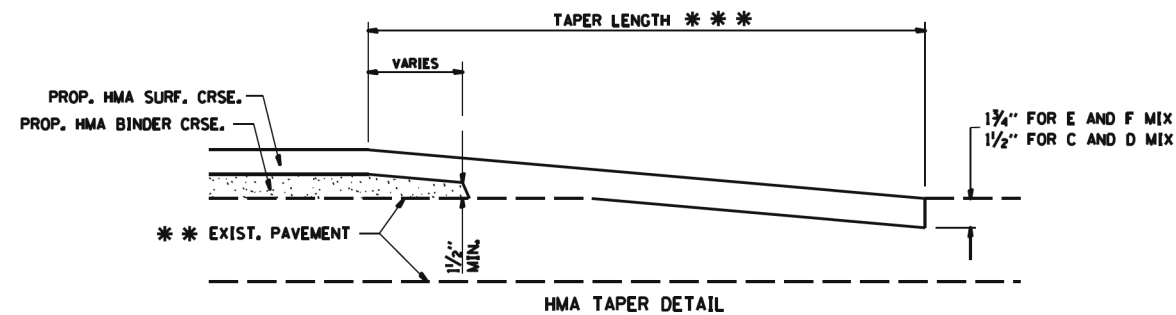
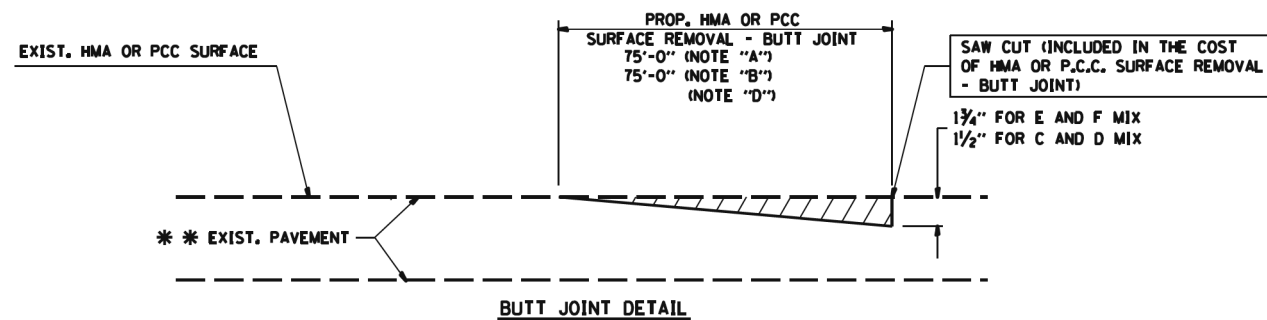


OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



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 50'-0" PER 1" INCH OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 30'-0" 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.
- *** 50'-0" PER 1" RESURFACING (NOTE "A")
50'-0" PER 1" 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".

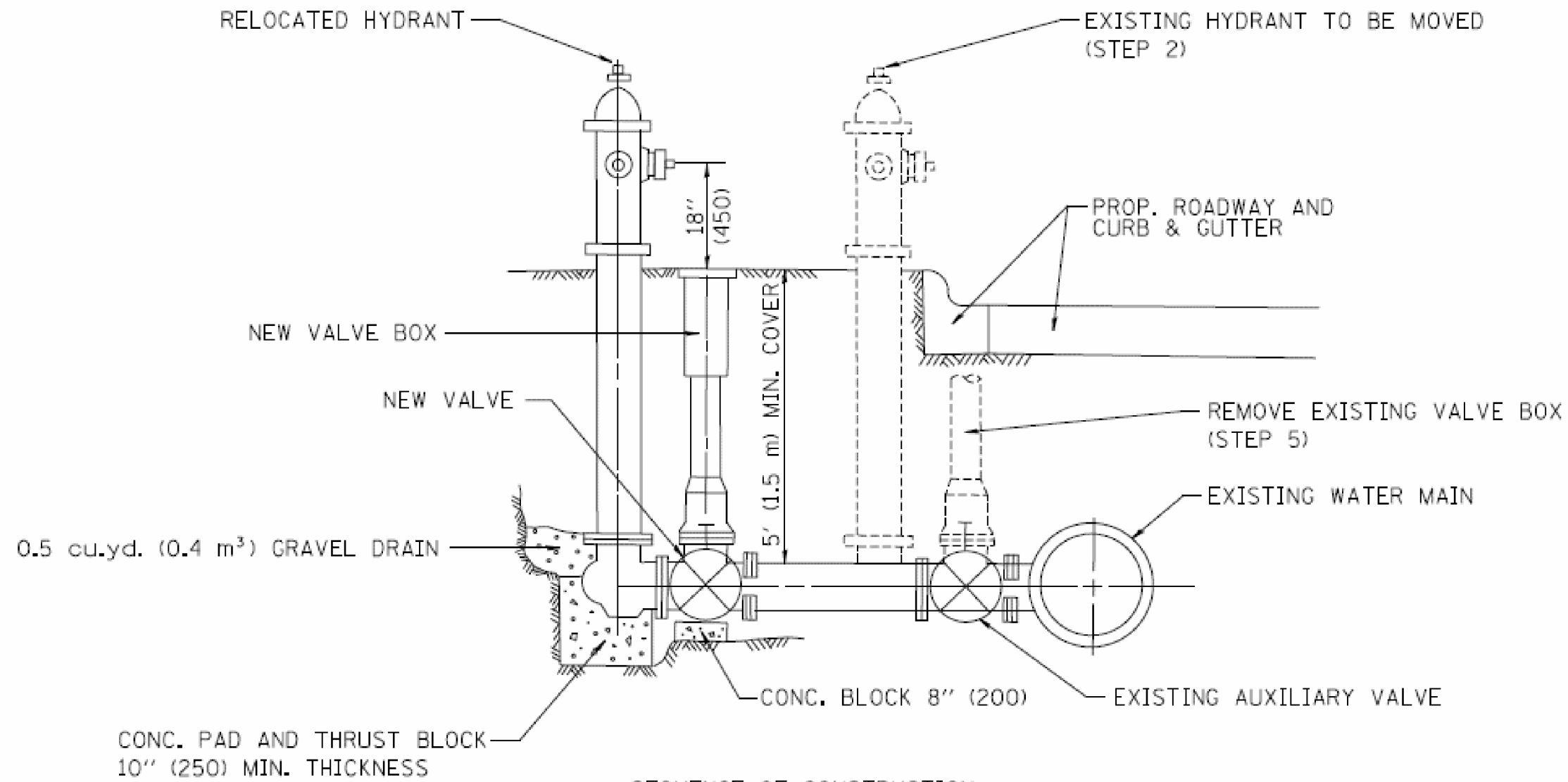
WC-00406



WILL COUNTY
DIVISION OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAIL

DATE	REVISIONS
6/22/2015	STANDARD CREATED



SEQUENCE OF CONSTRUCTION:

1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

ALL WORK TO BE DONE IN ACCORDANCE WITH ARTICLE 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

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

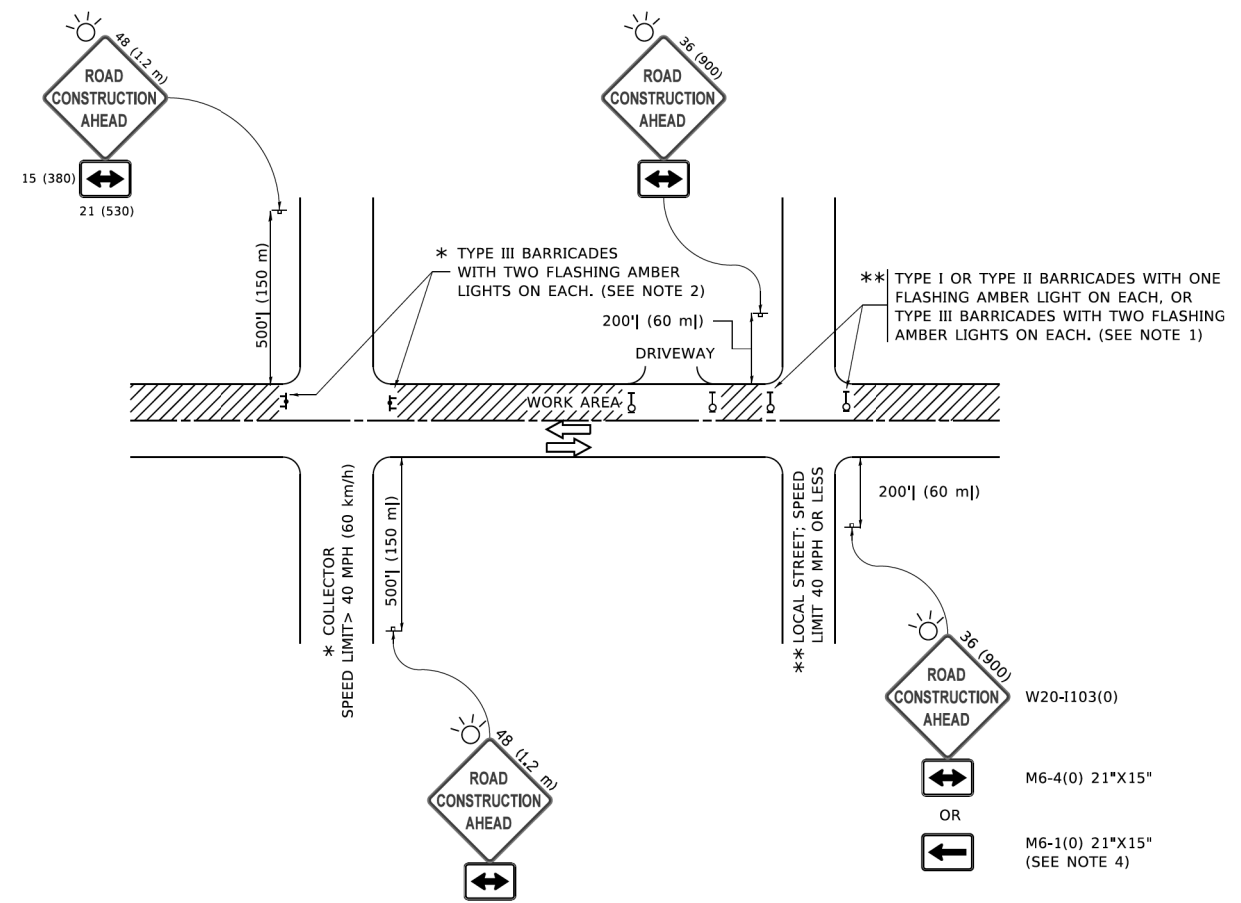
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIRE HYDRANT TO BE MOVED

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	125
CONTRACT NO. 61B89			ILLINOIS FED. AID PROJECT	



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. 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.

MODEL: D:\FAIR\...
 FILE NAME: ...

USER NAME = footej	DESIGNED - L.H.A.	REVISED - A. HOJSEH 10-15-96
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	
SCALE: NONE	SHEET 1 OF 1 SHEETS STA. TO STA.

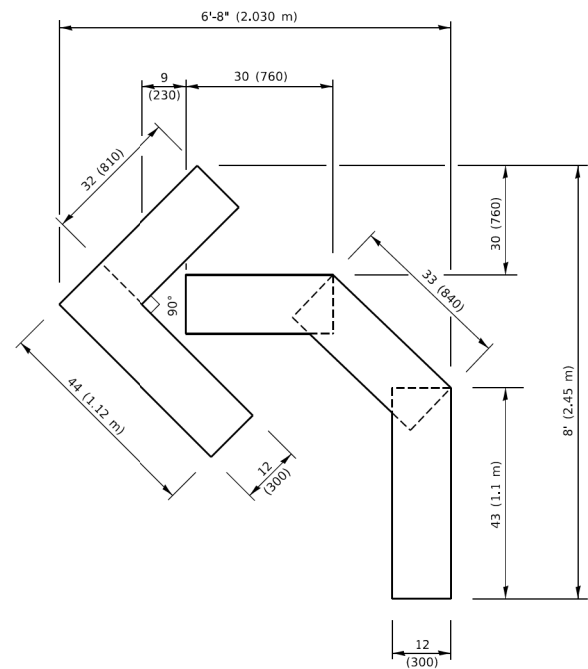
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TC-10			CONTRACT NO.	
ILLINOIS			FED. AID PROJECT	

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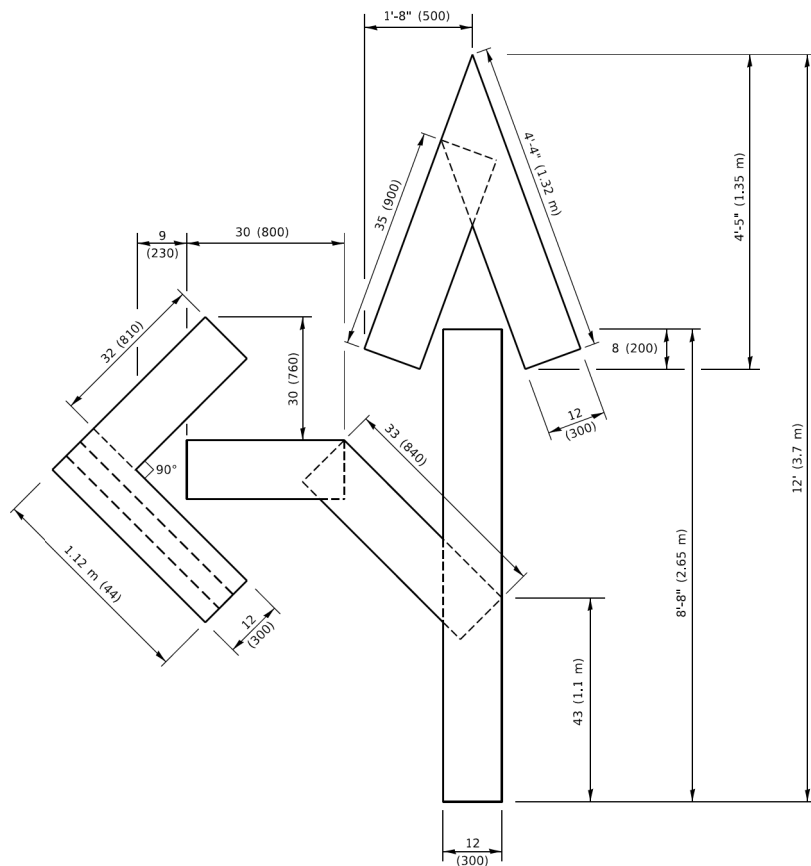
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS	
SCALE:	SHEET 4 OF 5 SHEETS STA. TO STA.

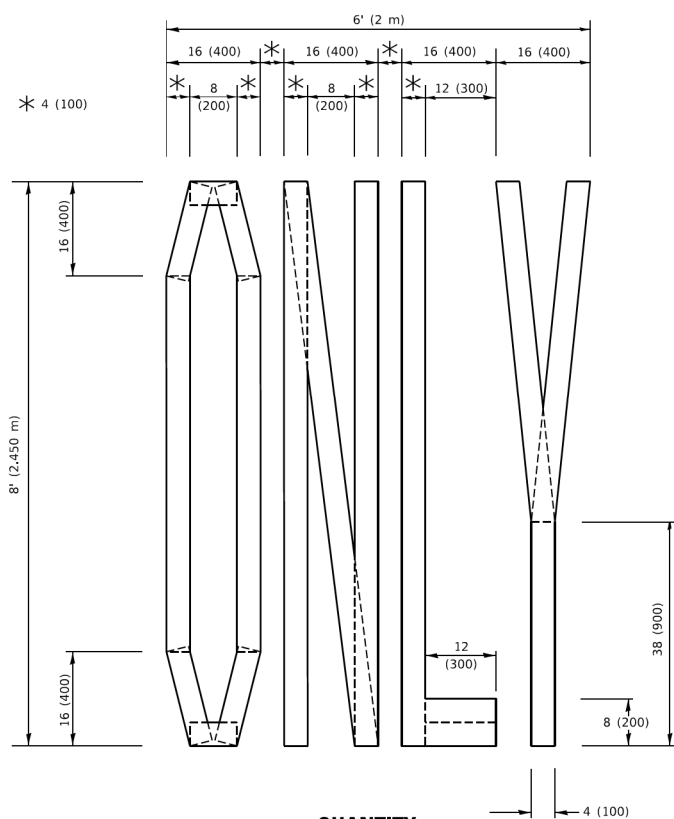
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	126
			CONTRACT NO. 61889	
ILLINOIS			FED. AID PROJECT	



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)

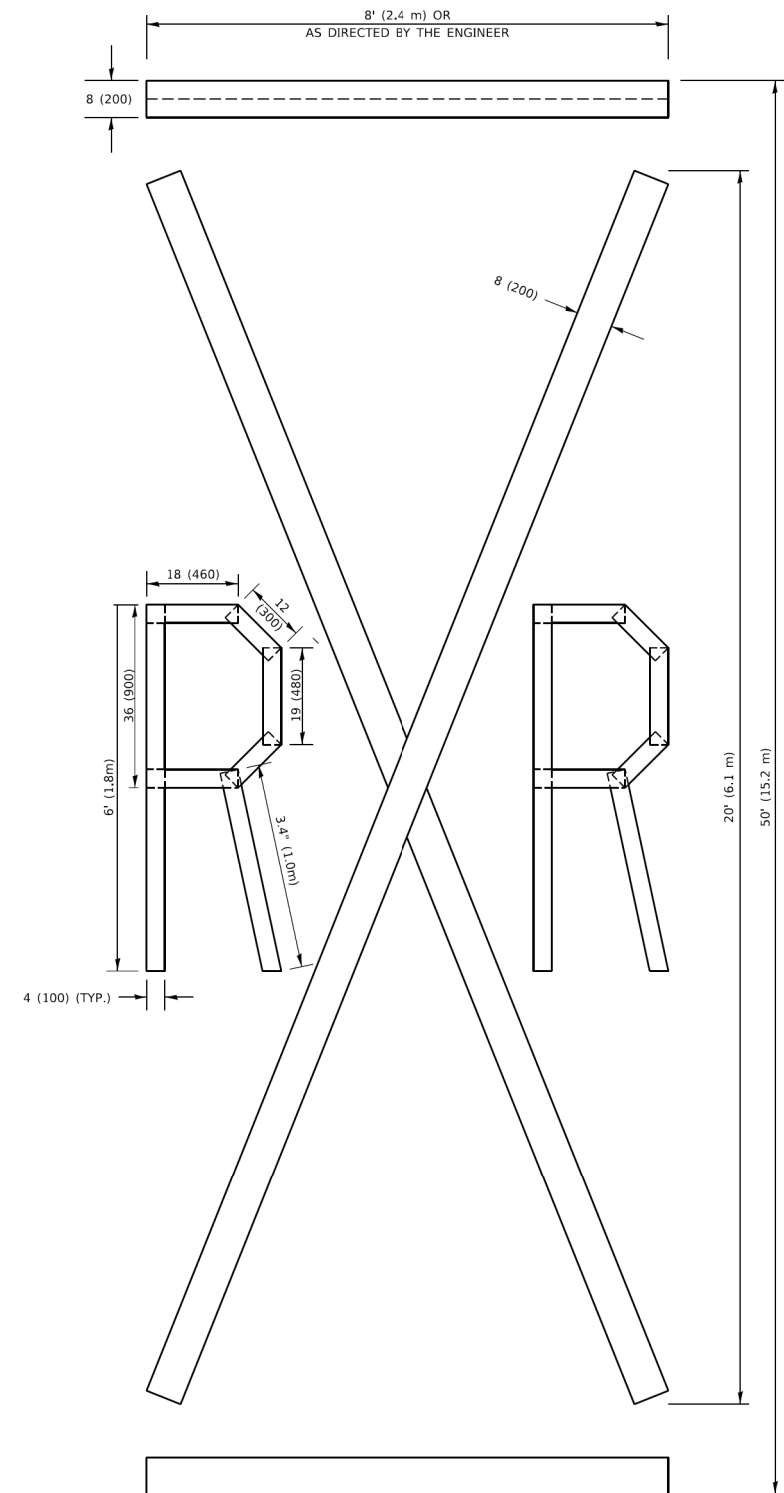


QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)



QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 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.

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	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 50.0068' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 3/4/2019	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 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TC-16			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

FILE NAME =

P:\projects\13003\000\CADD\Sheets\16.dgn

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684-sht-HwyStnds.dgn	DRAWN JDW	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED RCH	REVISED -
PLOT DATE = 4/13/2021	DATE 3/31/21	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING LETTERS
 AND SYMBOLS FOR TRAFFIC STAGING**

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	127
CONTRACT NO. 61889				
ILLINOIS FED. AID PROJECT				

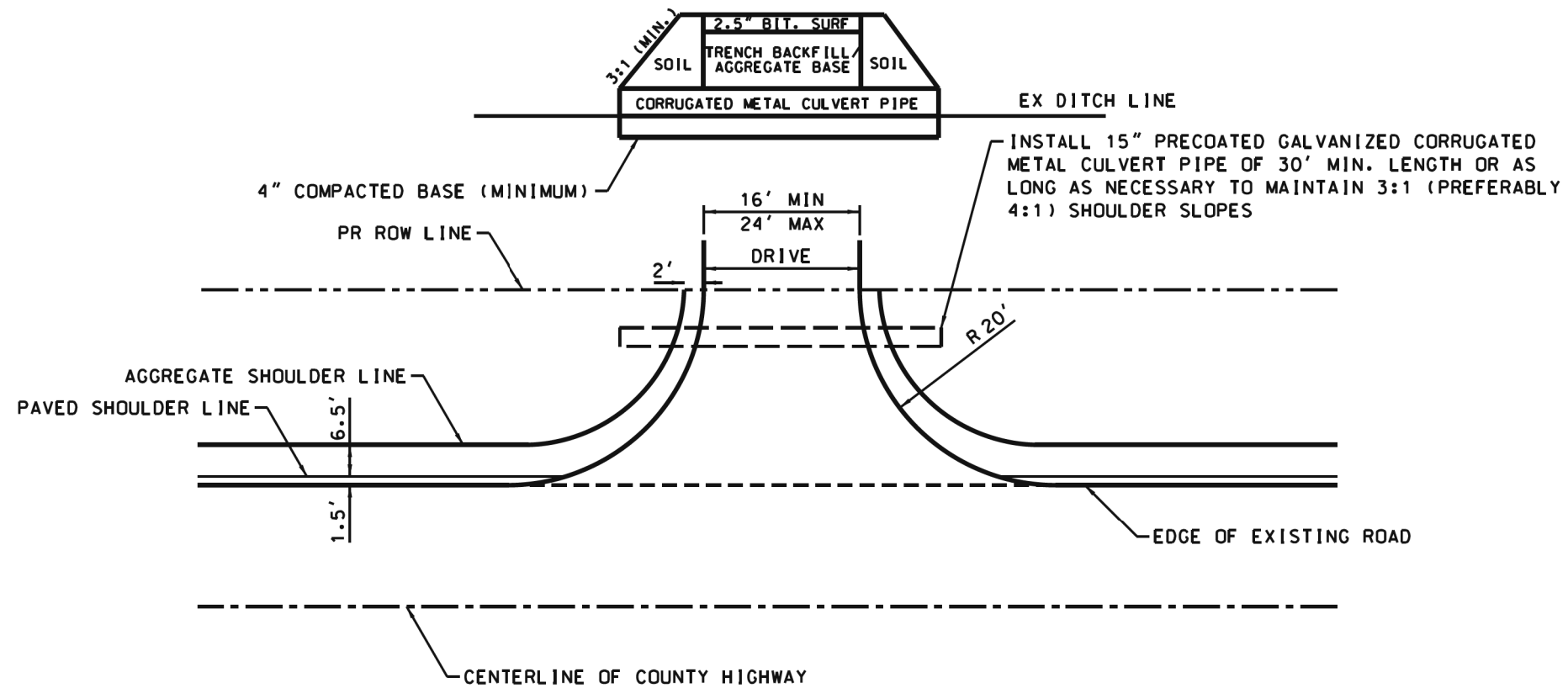
NOTES: ALL CONSTRUCTION TO BE DONE ACCORDING TO THE MOST RECENT VERSION OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION"

REMOVE SHOULDER MATERIAL, INSTALL 12" AGGREGATE BASE COURSE, AND PAVE WITH 2 1/2" BITUMINOUS SURFACE COURSE TO THE PROPOSED ROW LINE

SAWCUT EXISTING PAVEMENT AT WHITE EDGE LINE; MINIMUM OF 6" FROM THE EDGE OF PAVEMENT

ALL DISTURBED GROUND WITHIN THE COUNTY RIGHT OF WAY SHALL BE RE-SEEDED, FERTILIZED, AND EXCELSIOR BLANKET INSTALLED TO THE SATISFACTION OF THE WILL COUNTY DIVISION OF TRANSPORTATION AND IEPA REQUIREMENTS

PAVEMENT TO SLOPE AWAY FROM THE COUNTY HIGHWAY AT A RATE OF 1/4" PER FOOT (2%) MINIMUM



WILL COUNTY
DIVISION OF TRANSPORTATION

MINIMUM ACCESS DETAIL
ON NON-CURBED ROAD

DATE	REVISIONS
7/2/2015	WCDOT REVISION
9/8/2006	REVISED

FILE NAME =	USER NAME = mohammed.a1	DESIGNED JDW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MINIMUM ACCESS DETAIL NON-CURBED ROAD CEDAR ROAD AT LARAWAY ROAD	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
P:\projects\13003\000\CADD_Sheets\401	684-sht-HwyStnds.dgn	DRAWN JDW	REVISED -			369	08-00138-28-TL	WILL	156	128	
#MODELNAME#	PLOT SCALE = 100.0000' / 1"	CHECKED RCH	REVISED -			CONTRACT NO. 61889					
	PLOT DATE = 4/13/2021	DATE 3/31/21	REVISED -			SCALE:	SHEET 1 OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

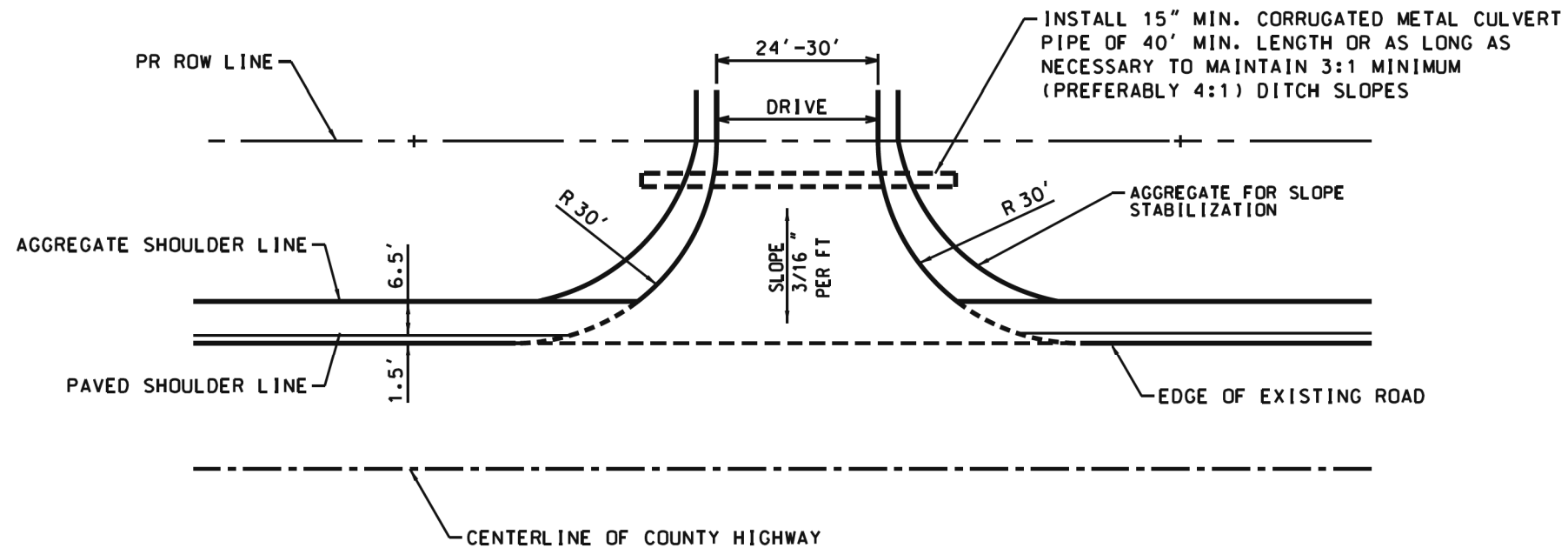
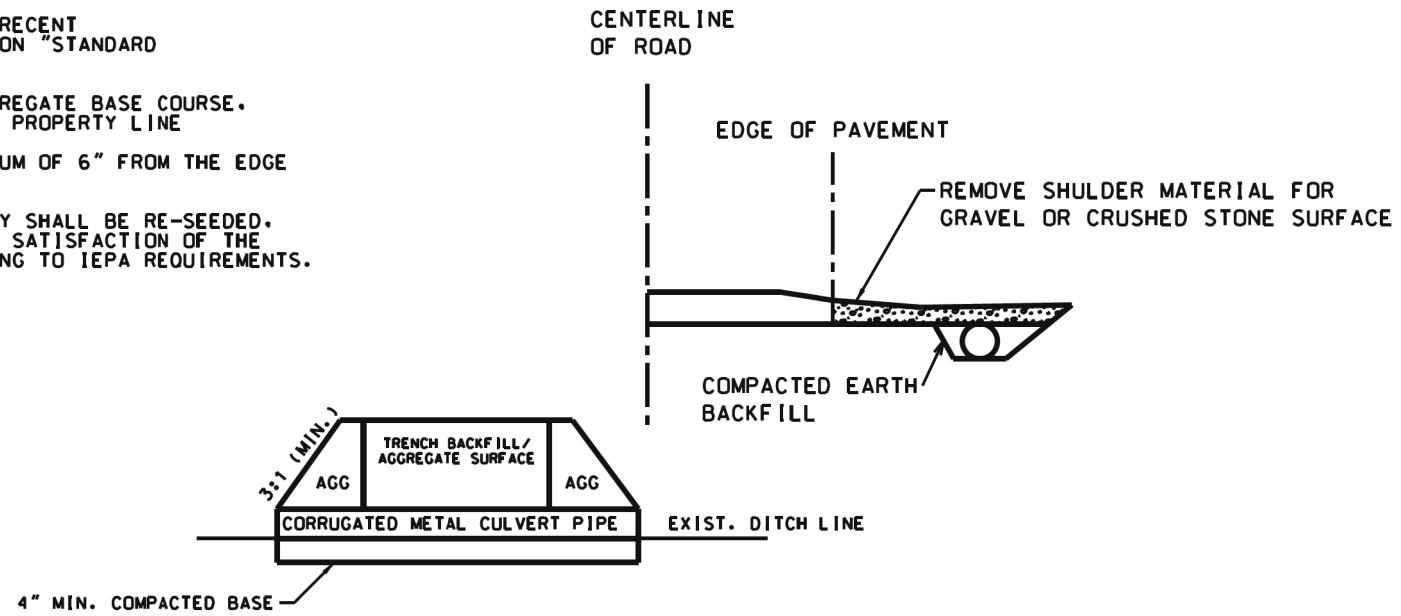
WC-00432

NOTES: ALL CONSTRUCTION TO BE DONE ACCORDING TO THE MOST RECENT VERSION OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION"

REMOVE EXISTING SHOULDER MATERIAL. INSTALL 12" AGGREGATE BASE COURSE, AND PAVE WITH 2 1/2" HMA SURFACE COURSE TO THE NEW PROPERTY LINE

SAWCUT EXISTING PAVEMENT AT WHITE EDGE LINE: MINIMUM OF 6" FROM THE EDGE OF PAVEMENT

ALL DISTURBED GROUND WITHIN THE COUNTY RIGHT OF WAY SHALL BE RE-SEEDED, FERTILIZED, AND EXCELSIOR BLANKET INSTALLED TO THE SATISFACTION OF THE WILL COUNTY DIVISION OF TRANSPORTATION AND ACCORDING TO IEPA REQUIREMENTS.



WC-00410



WILL COUNTY
DIVISION OF TRANSPORTATION

AGRICULTURAL ACCESS DETAIL
(FIELD ENTRANCE)

DATE	REVISIONS
7/7/2015	WCDOT REVISION
9/8/2006	REVISED

FILE NAME =	USER NAME = mohammed.a1	DESIGNED JDW	REVISED -
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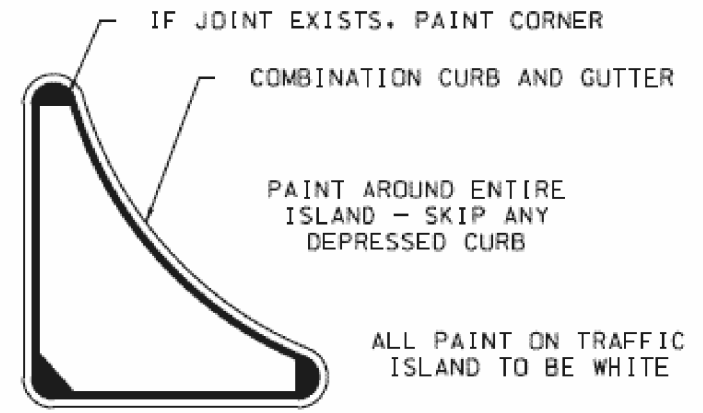
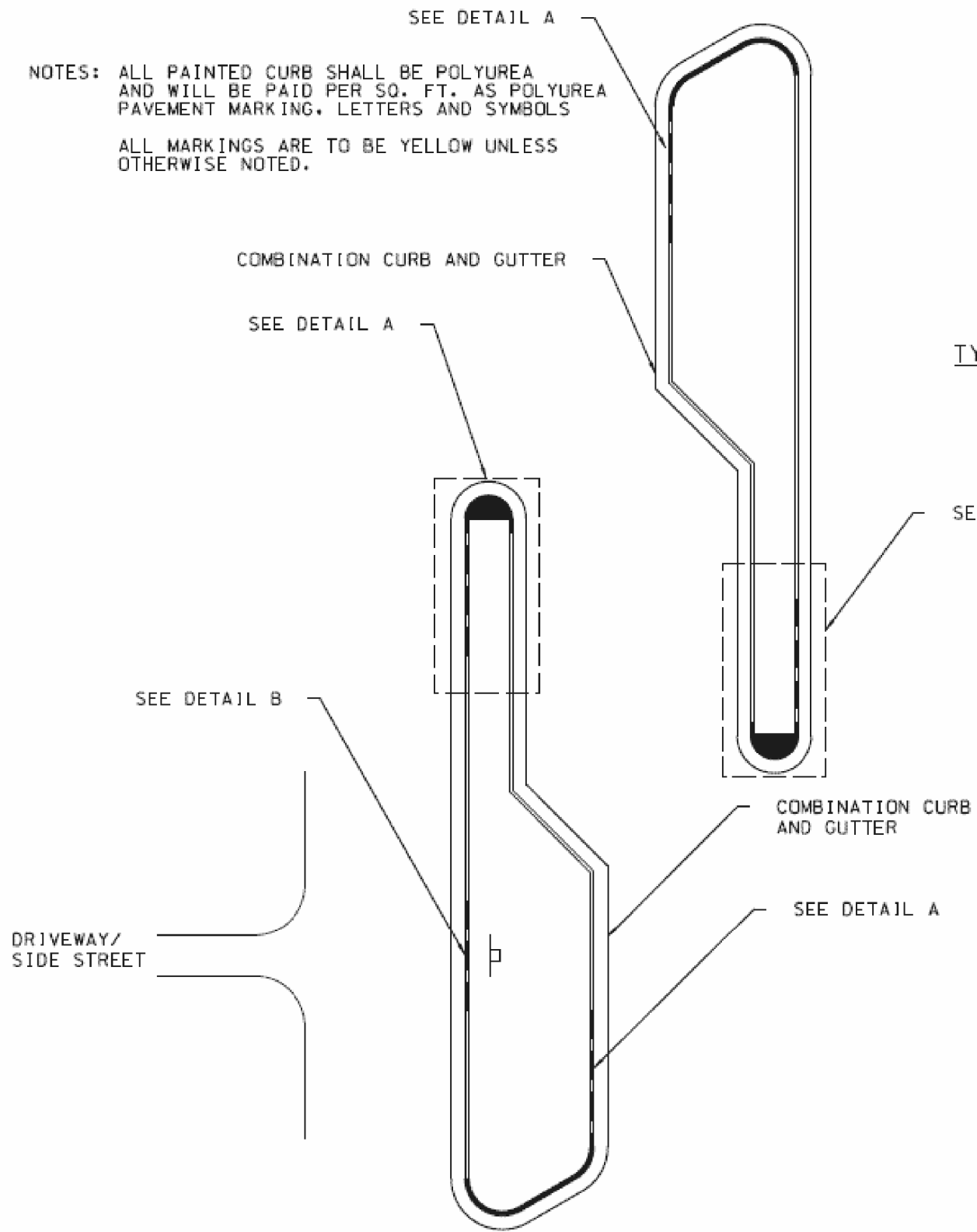
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AGRICULTURAL ACCESS DETAIL (FIELD ENTRANCE)
CEDAR ROAD AT LARAWAY ROAD

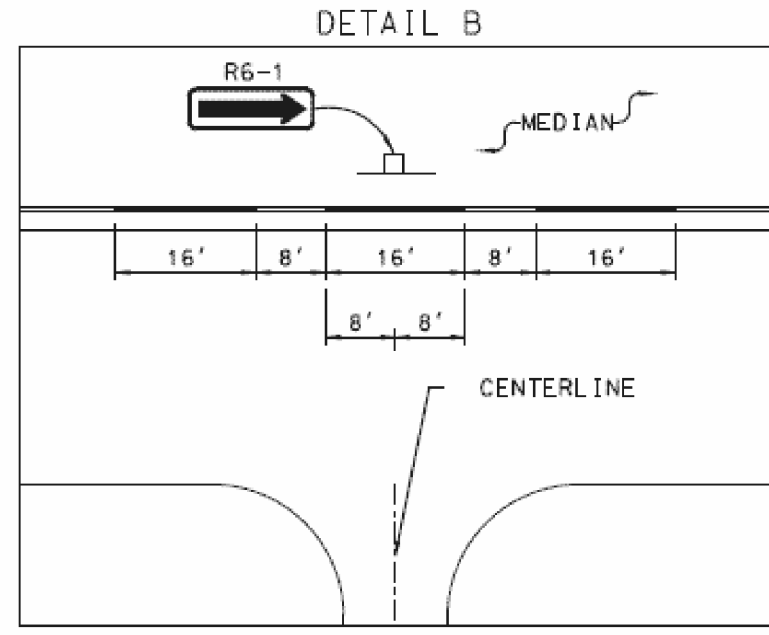
SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	129
CONTRACT NO. 61889				
ILLINOIS FED. AID PROJECT				

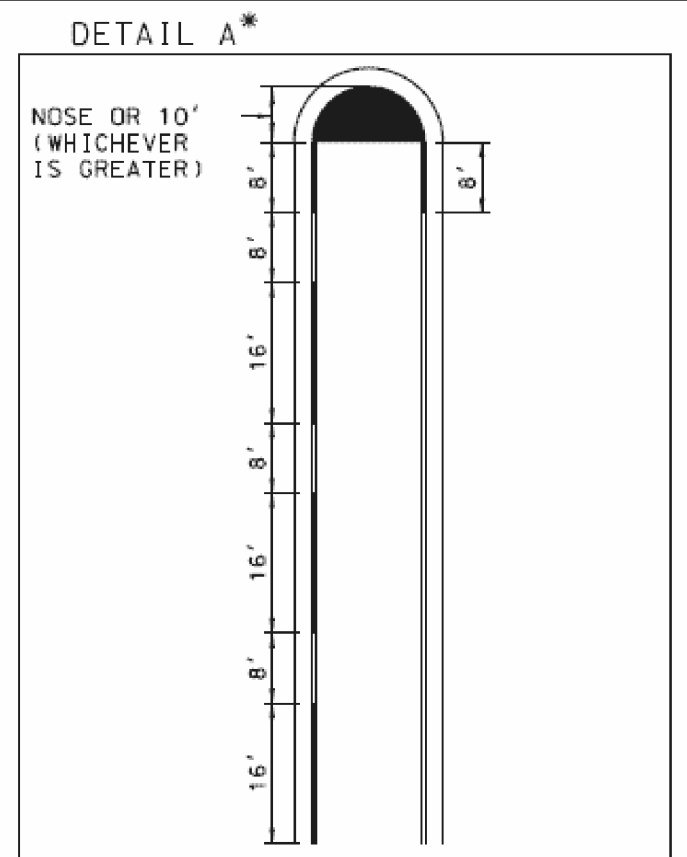
NOTES: ALL PAINTED CURB SHALL BE POLYUREA AND WILL BE PAID PER SQ. FT. AS POLYUREA PAVEMENT MARKING, LETTERS AND SYMBOLS
ALL MARKINGS ARE TO BE YELLOW UNLESS OTHERWISE NOTED.



TYPICAL PAVEMENT MARKINGS AT ISLAND

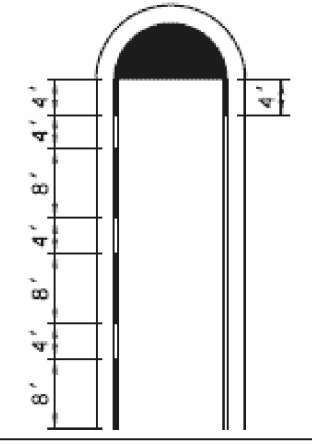


SKIPS AT DRIVEWAYS OR SIDE STREETS



TYPICAL PAVEMENT MARKINGS AT RAISED MEDIAN NOSE

* IF 16 FOOT MARKINGS WITH 8 FOOT SKIPS DO NOT FIT, PAINT 8 FOOT MARKINGS WITH 4 FOOT SKIPS



SHEET 1 OF 2



WILL COUNTY
DIVISION OF TRANSPORTATION

MEDIAN CURB AND ISLAND
PAVEMENT MARKINGS

DATE	REVISIONS
2/17/2015	ADDED CURB AND GUTTER
12/5/2014	STANDARD CREATED

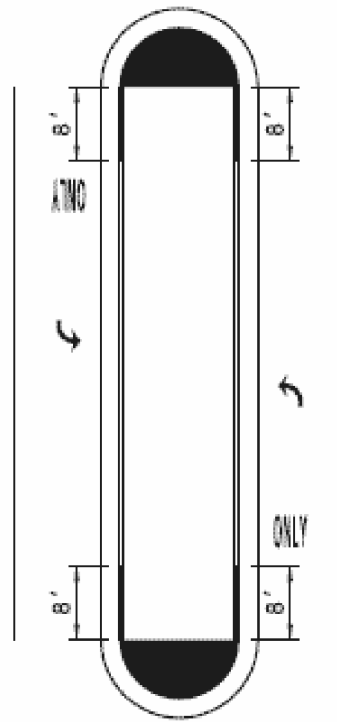
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\$MODELNAME\$	PLOT SCALE = 100.0000' / in.	CHECKED RCH	REVISED -
	PLOT DATE = 4/13/2021	DATE 3/31/21	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MEDIAN CURB AND ISLAND PAVEMENT MARKINGS
CEDAR ROAD AT LARAWAY ROAD

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

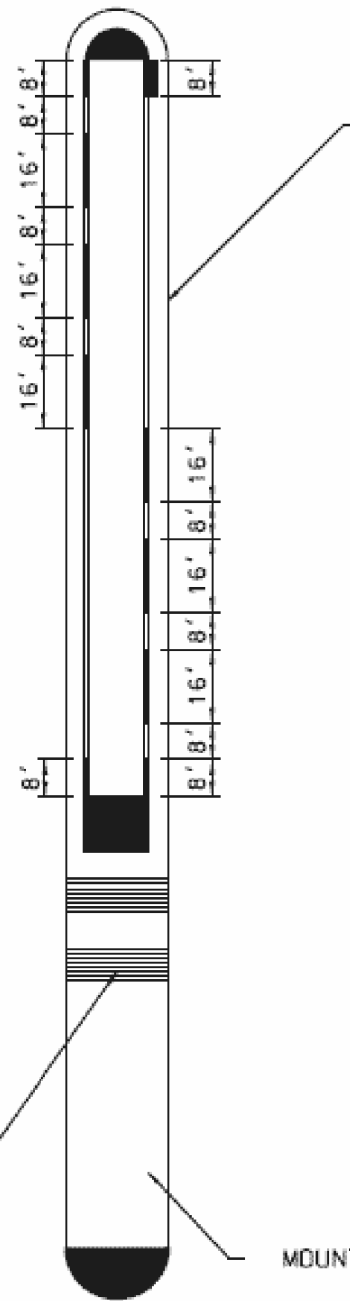
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	130
CONTRACT NO. 61B89				
ILLINOIS FED. AID PROJECT				



**TYPICAL PAVEMENT MARKINGS
AT RAISED MEDIAN
NOSE WITH TURN BAYS**

NOTE: NO 16' SKIPS IN TURN BAYS
(UNLESS FOR ONE WAY SIGNS)

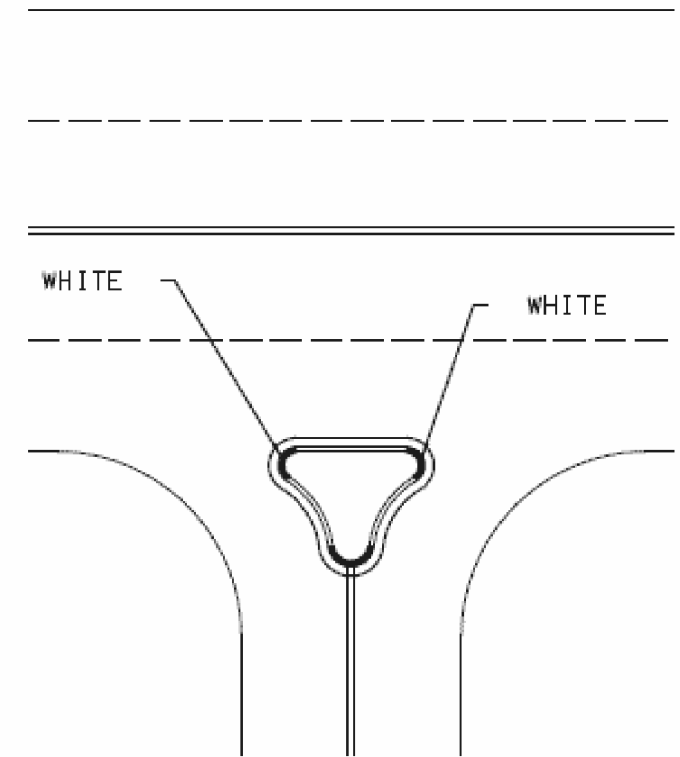
CORRUGATED MEDIAN



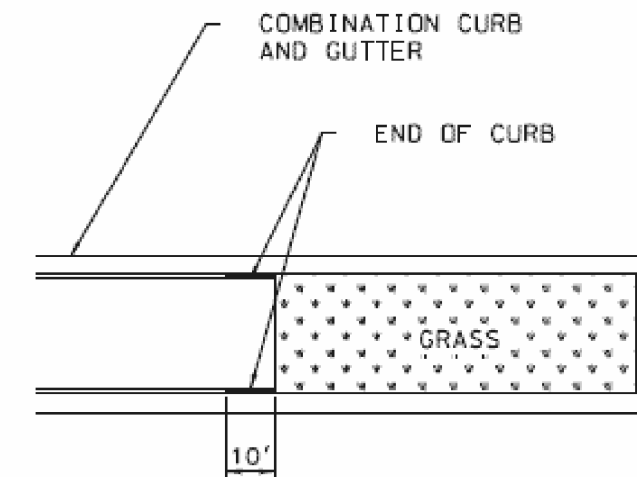
MOUNTABLE SECTION

NOTES: ALL PAINTED CURB SHALL BE POLYUREA
AND WILL BE PAID PER SQ. FT. AS POLYUREA
PAVEMENT MARKING, LETTERS AND SYMBOLS

ALL MARKINGS ARE TO BE YELLOW UNLESS
OTHERWISE NOTED.



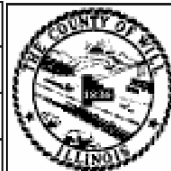
**TYPICAL PAVEMENT MARKING
AT RIGHT-IN RIGHT-OUT
MEDIAN**



**TYPICAL PAVEMENT MARKING
AT CURB ENDS**

SHEET 2 OF 2

WC-00800



WILL COUNTY
DIVISION OF TRANSPORTATION

MEDIAN CURB AND ISLAND
PAVEMENT MARKINGS

DATE	REVISIONS
2/17/2015	ADDED CURB AND GUTTER
12/5/2014	STANDARD CREATED

FILE NAME : P:\projects\13003\000\CADD_Sheets\401	USER NAME : mohammed.oi 684-sh-t-HwyStnds.dgn	DESIGNED JDW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MEDIAN CURB AND ISLAND PAVEMENT MARKINGS CEDAR ROAD AT LARAWAY ROAD	SCALE:	SHEET 2 OF 2 SHEETS	STA. TO STA.	F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DESIGNED JDW	REVISED -	369	08-00138-28-TL						WILL	156	131		
DRAWN JDW	REVISED -	ILLINOIS FED. AID PROJECT											
PLotted SCALE = 100.0000' / in.	CHECKED RCH	REVISED -		CONTRACT NO. 61889									
DATE 3/31/21	DATE 3/31/21	REVISED -											

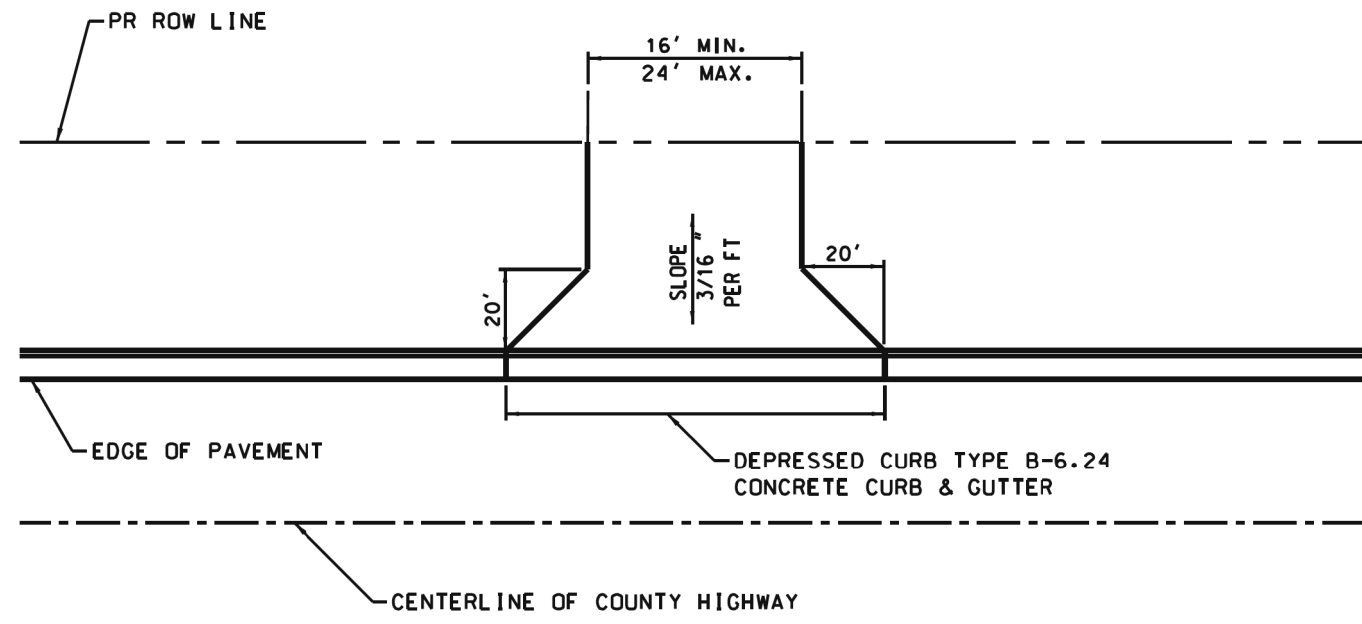
NOTES: ALL CONSTRUCTION TO BE DONE ACCORDING TO THE MOST RECENT VERSION OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION"

ALL DISTURBED GROUND WITHIN THE COUNTY RIGHT OF WAY SHALL BE RE-SEEDED, FERTILIZED, AND EXCELSIOR BLANKET INSTALLED TO THE SATISFACTION OF THE WILL COUNTY DIVISION OF TRANSPORTATION AND ACCORDING TO IEPA REQUIREMENTS.

REMOVE AND REPLACE SIDEWALK AS NECESSARY TO PROVIDE ADA COMPLIANT TRANSITIONS TO EXISTING GRADES

SAWCUT EXISTING COMBINATION CURB AND GUTTER AT REMOVAL LIMITS

REMOVE SHOULDER MATERIAL. INSTALL 12" AGGREGATE BASE COURSE, AND PAVE WITH 2 1/2" HMA SURFACE COURSE TO THE PROPOSED ROW LINE



WILL COUNTY
DIVISION OF TRANSPORTATION

MINIMUM ACCESS DETAIL
ON CURBED ROAD

DATE	REVISIONS
6/26/2015	WCDOT REVISION
9/8/2006	REVISED

WC-00430

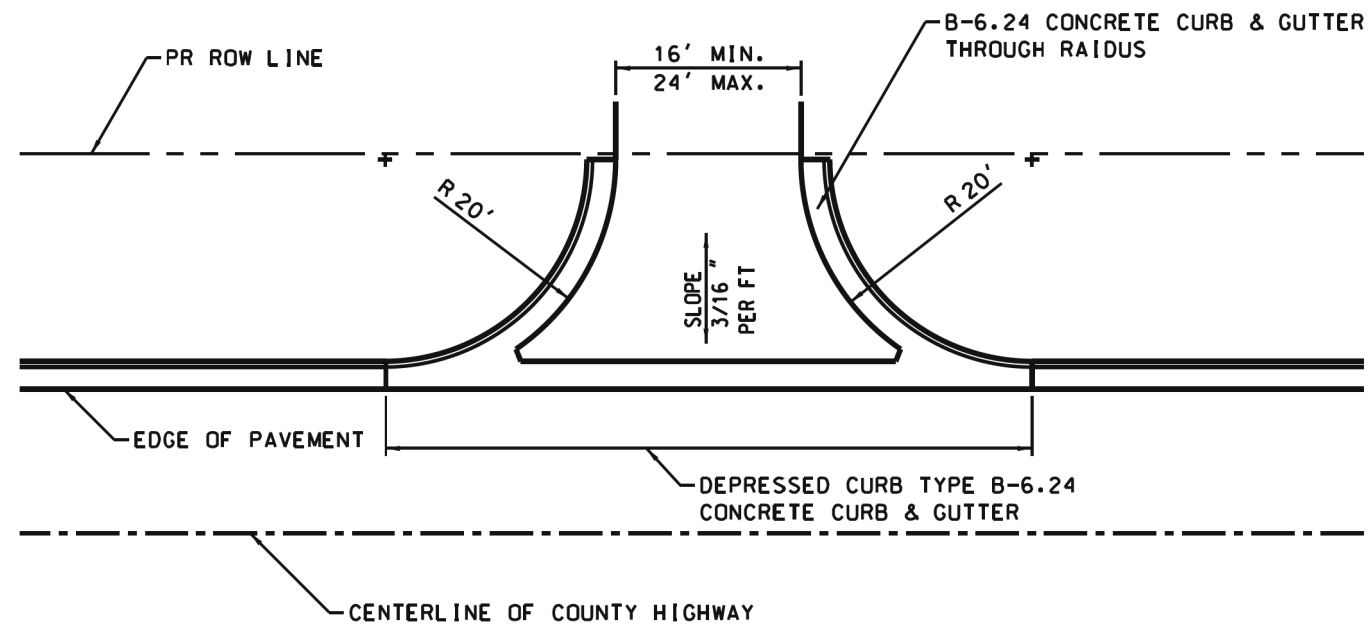
NOTES: ALL CONSTRUCTION TO BE DONE ACCORDING TO THE MOST RECENT VERSION OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION"

ALL DISTURBED GROUND WITHIN THE COUNTY RIGHT OF WAY SHALL BE RE-SEEDED, FERTILIZED, AND EXCELSIOR BLANKET INSTALLED TO THE SATISFACTION OF THE WILL COUNTY DIVISION OF TRANSPORTATION AND ACCORDING TO IEPA REQUIREMENTS.

REMOVE AND REPLACE SIDEWALK AS NECESSARY TO PROVIDE ADA COMPLIANT TRANSITIONS TO EXISTING GRADES

SAWCUT EXISTING COMBINATION CURB AND GUTTER AT REMOVAL LIMITS

REMOVE SHOULDER MATERIAL. INSTALL 12" AGGREGATE BASE COURSE, AND PAVE WITH 2 1/2" HMA SURFACE COURSE TO THE PROPOSED ROW LINE



WILL COUNTY
DIVISION OF TRANSPORTATION

MINIMUM ACCESS DETAIL
ON CURBED ROAD

DATE	REVISIONS
6/23/2015	WCDOT REVISION
9/8/2006	REVISED

WC-00431

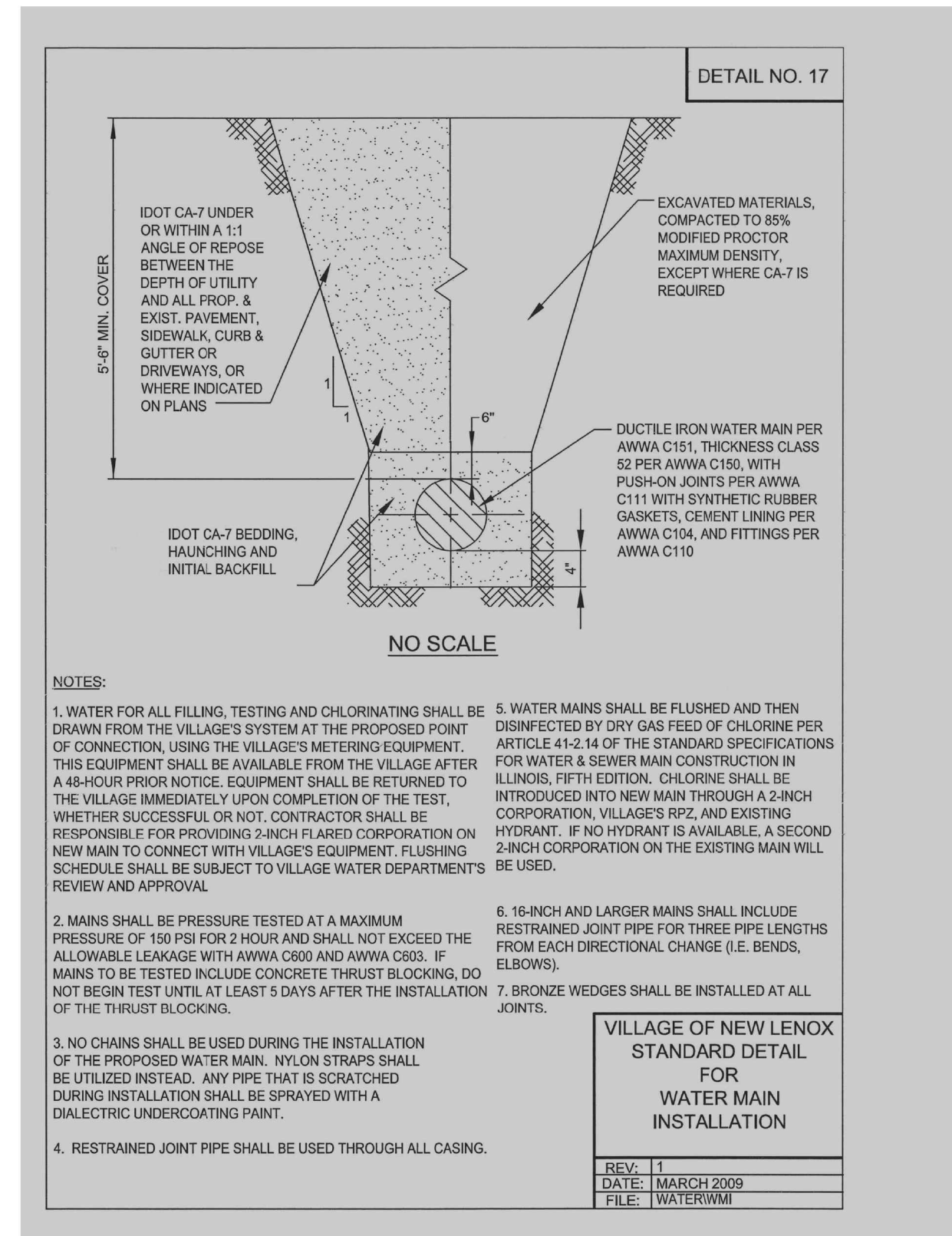
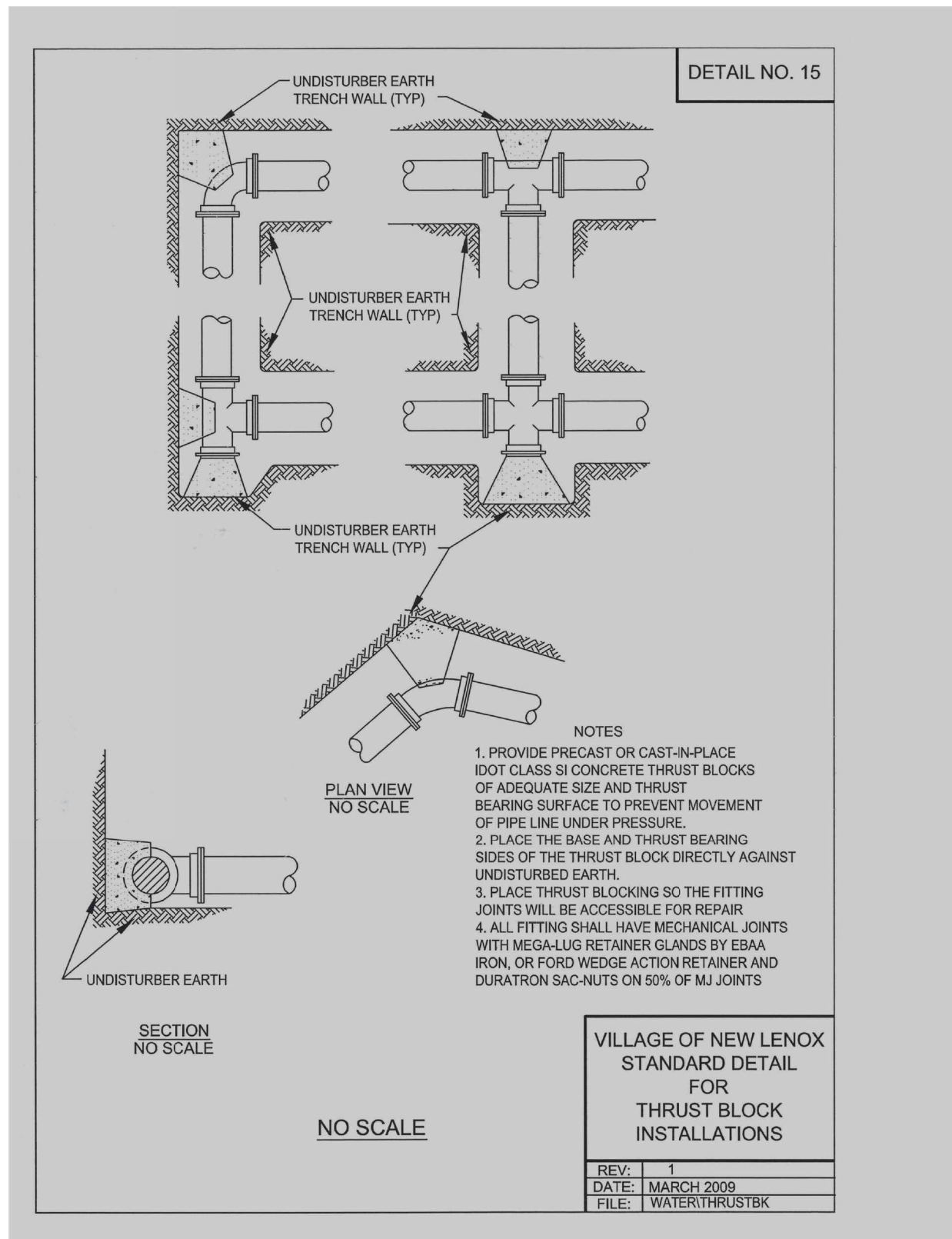
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\$MODELNAME\$	PLOT DATE = 4/13/2021	DATE 3/31/21	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MINIMUM ACCESS DETAIL ON CURBED ROAD
CEDAR ROAD AT LARAWAY ROAD

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	133
				CONTRACT NO. 61B89
ILLINOIS FED. AID PROJECT				



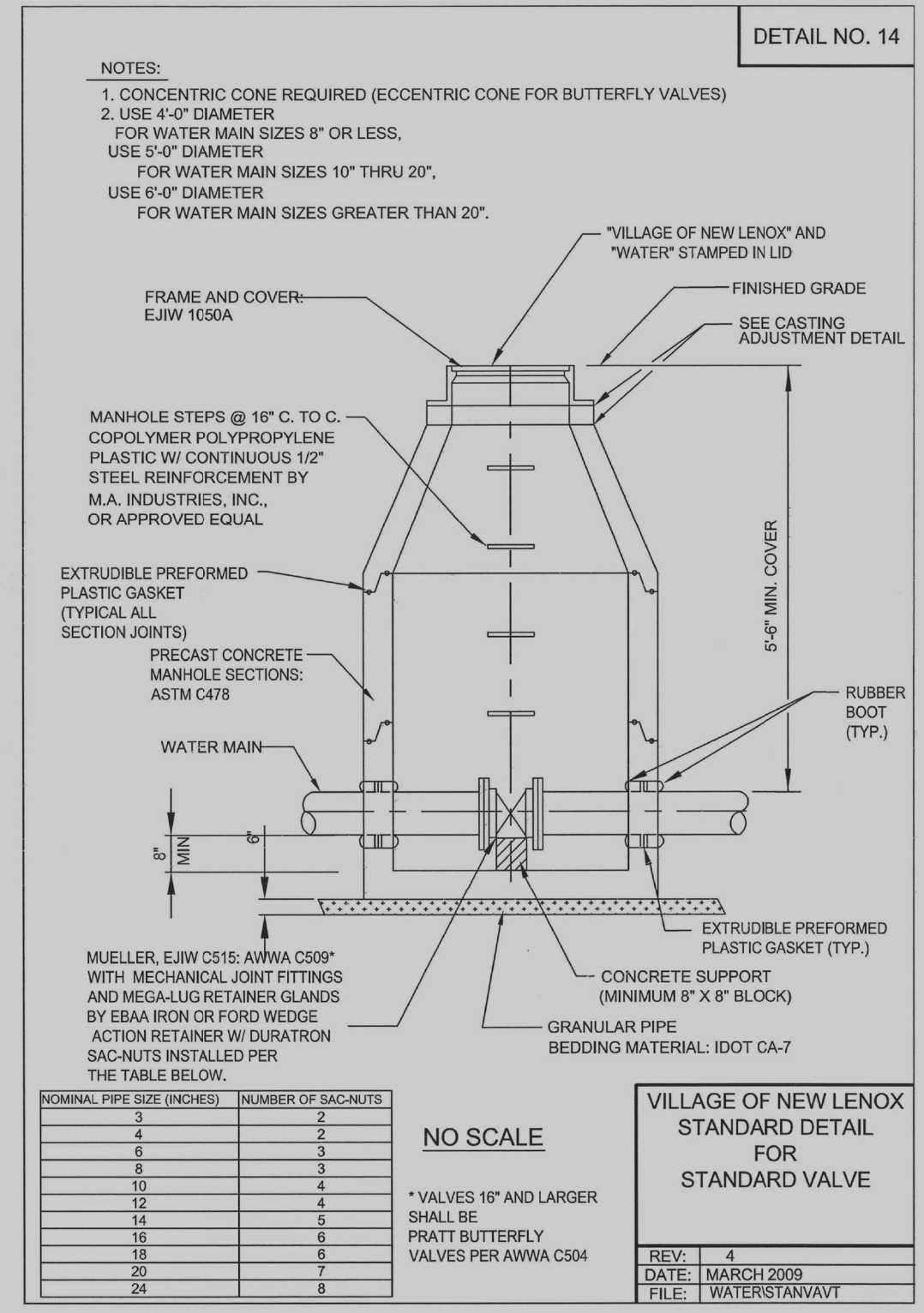
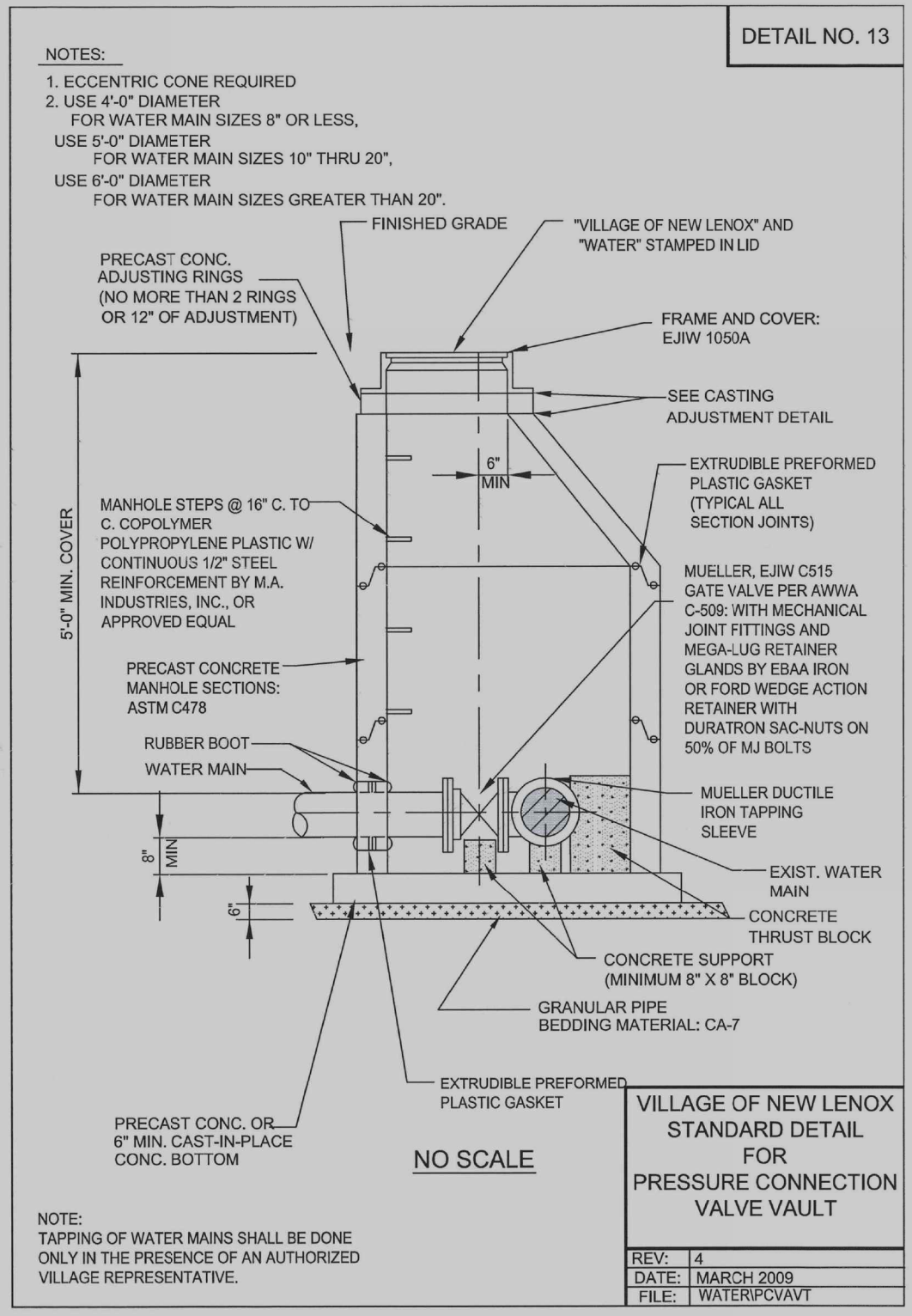
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	PLOT DATE :	DATE :	REVISED :
	4/13/2021	3/31/21	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF NEW LENOX STANDARD DETAILS
CEDAR ROAD AT LARAWAY ROAD**

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	134
CONTRACT NO. 61B89				
ILLINOIS FED. AID PROJECT				

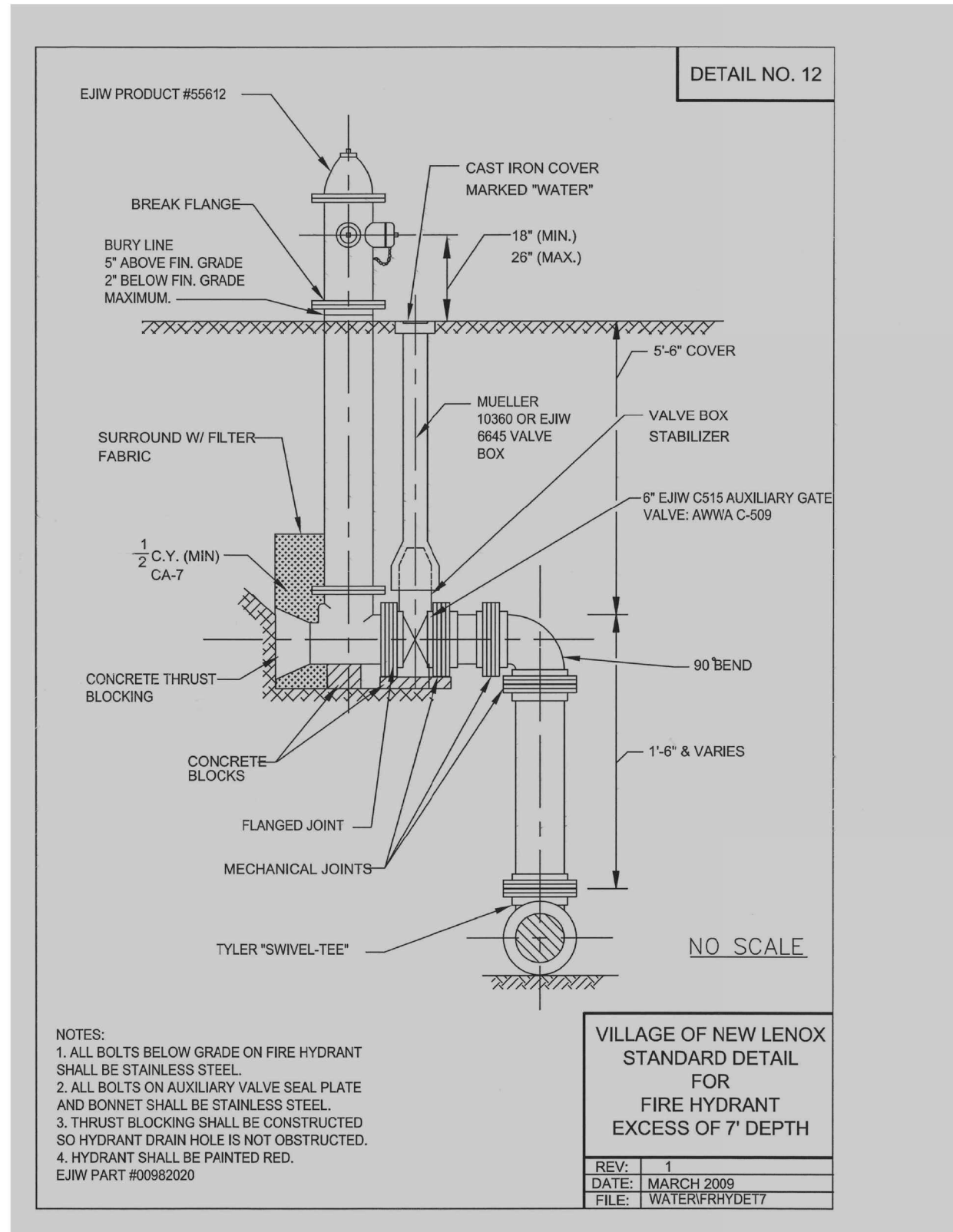
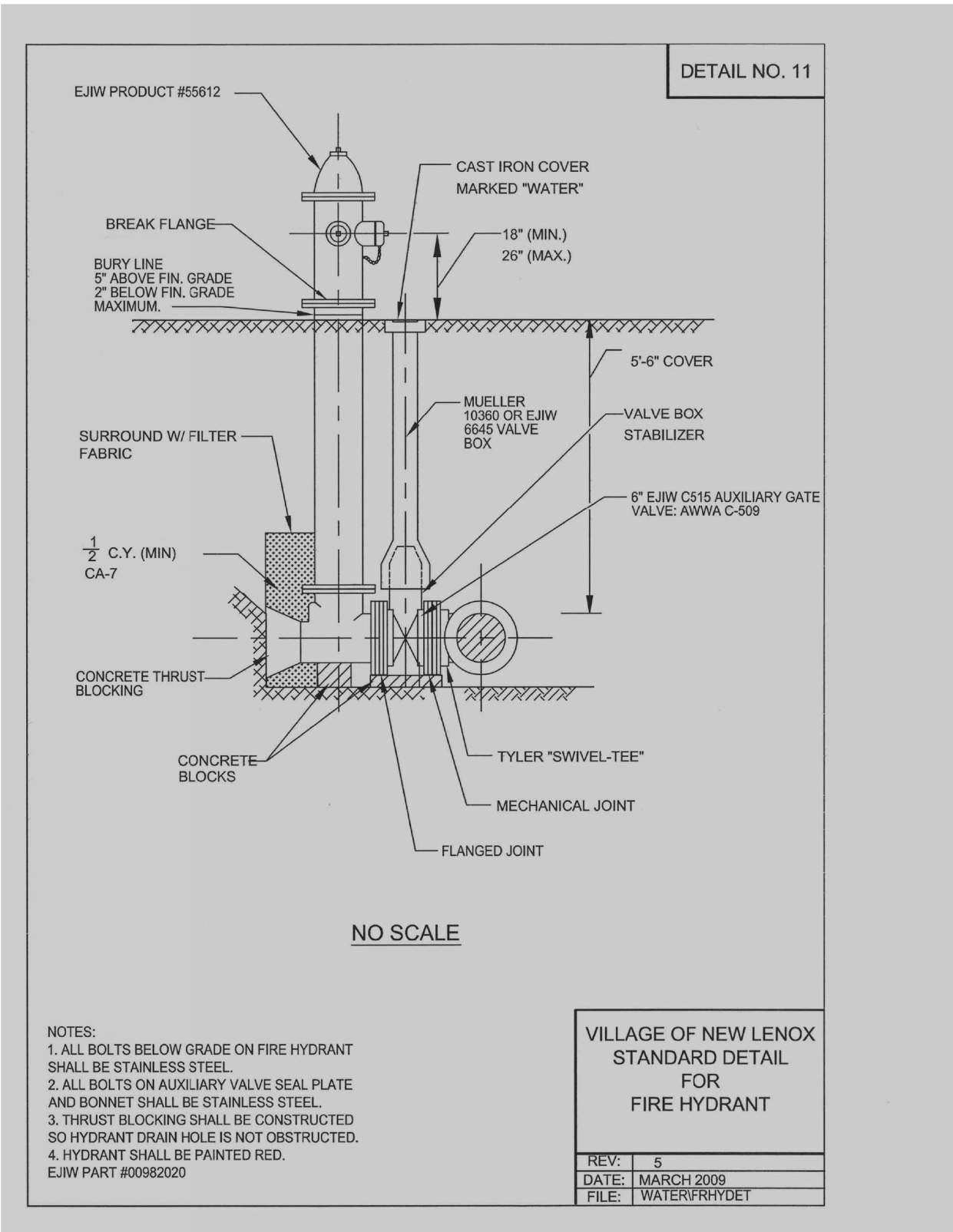


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		CHECKED :	REVISED :
		RCH	-
#MODELNAME#	PLOT DATE :	DATE :	REVISED :
	4/13/2021	3/31/21	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

VILLAGE OF NEW LENOX STANDARD DETAILS CEDAR ROAD AT LARAWAY ROAD	
SCALE:	SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	135
CONTRACT NO. 61B89			ILLINOIS FED. AID PROJECT	



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	4/13/2021	3/31/21	-

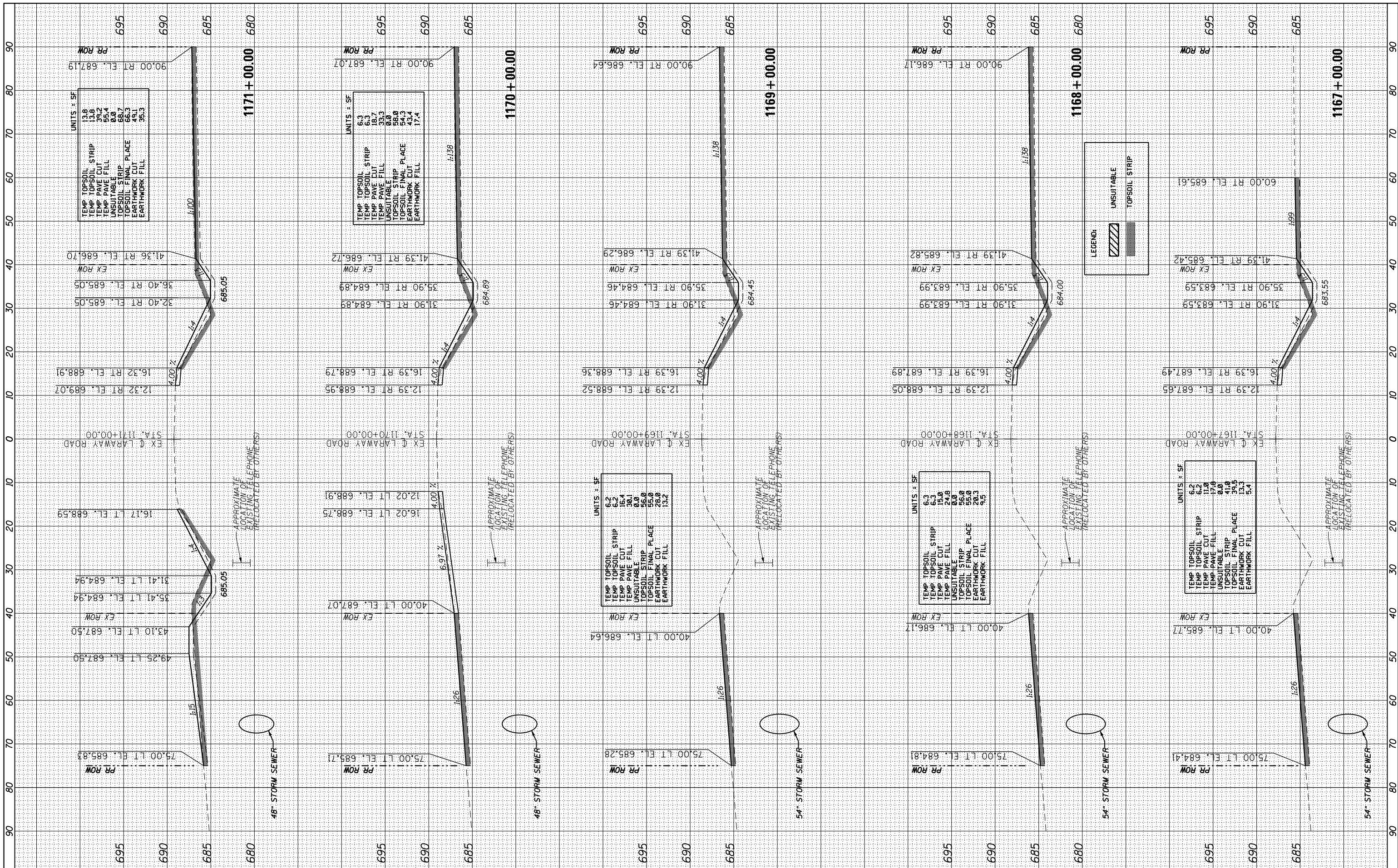
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

VILLAGE OF NEW LENOX STANDARD DETAILS			
CEDAR ROAD AT LARAWAY ROAD			
SCALE:	SHEET 3 OF 3 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	136
				CONTRACT NO. 61B89
ILLINOIS FED. AID PROJECT				

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

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



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CHECKED	RCH	DATE	3/31/21

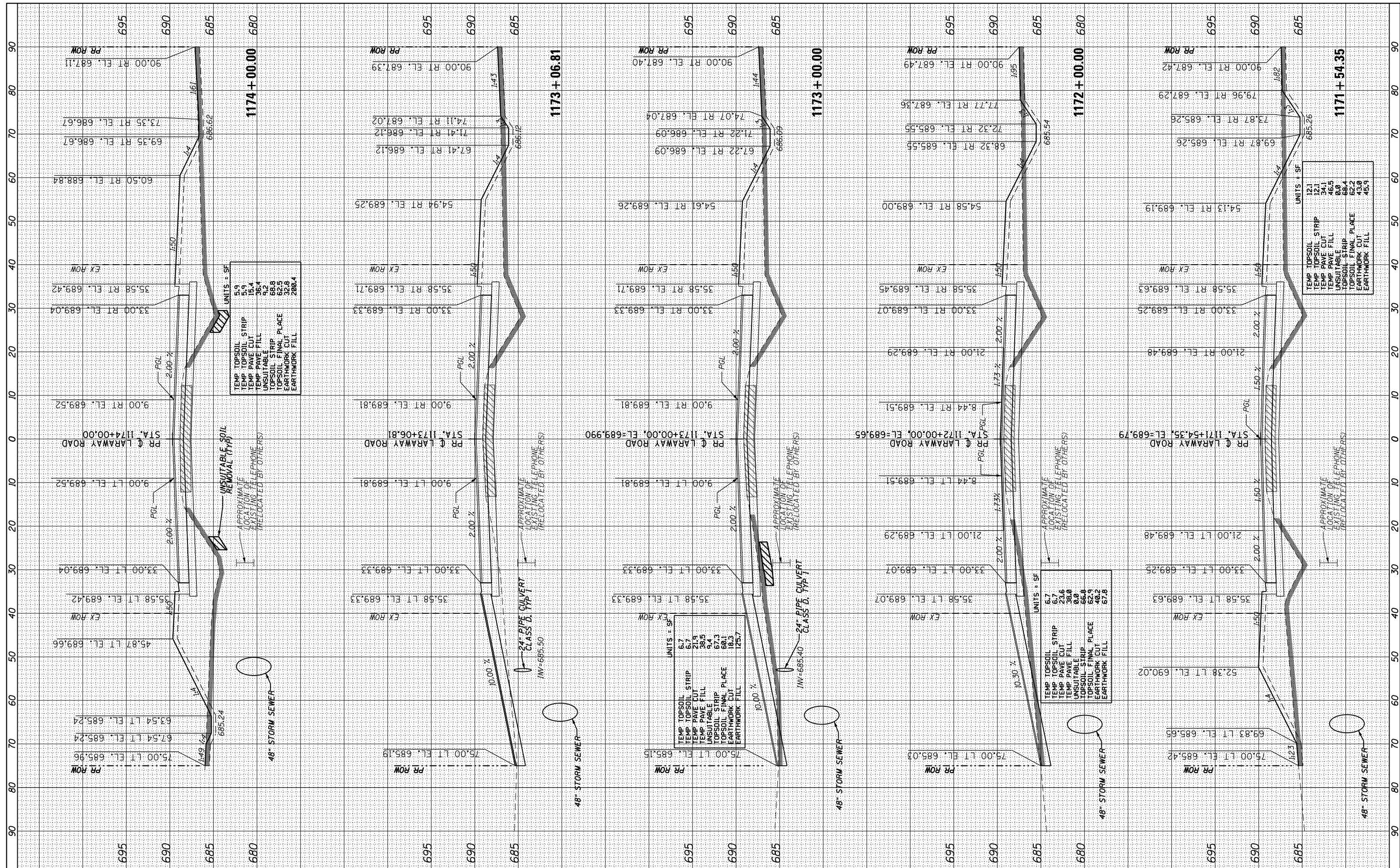
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - LARAWAY ROAD CEDAR ROAD AND LARAWAY ROAD	
SCALE: 1"=10H,1"=5V	SHEET 1 OF 12 SHEETS
STA. 1171+00.00	TO STA. 1174+00.00

F.A.U. RT.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	137
CONTRACT NO. 61889			ILLINOIS FED. AID PROJECT	

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

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



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USER NAME = mohammed.ai
 PLOT SCALE = 20.0000' / 1" = 20.0000'
 PLOT DATE = 4/13/2021

DESIGNED MMA
 DRAWN MMA
 CHECKED RCH
 DATE 3/31/21

REVISED -
 REVISED -
 REVISED -
 REVISED -

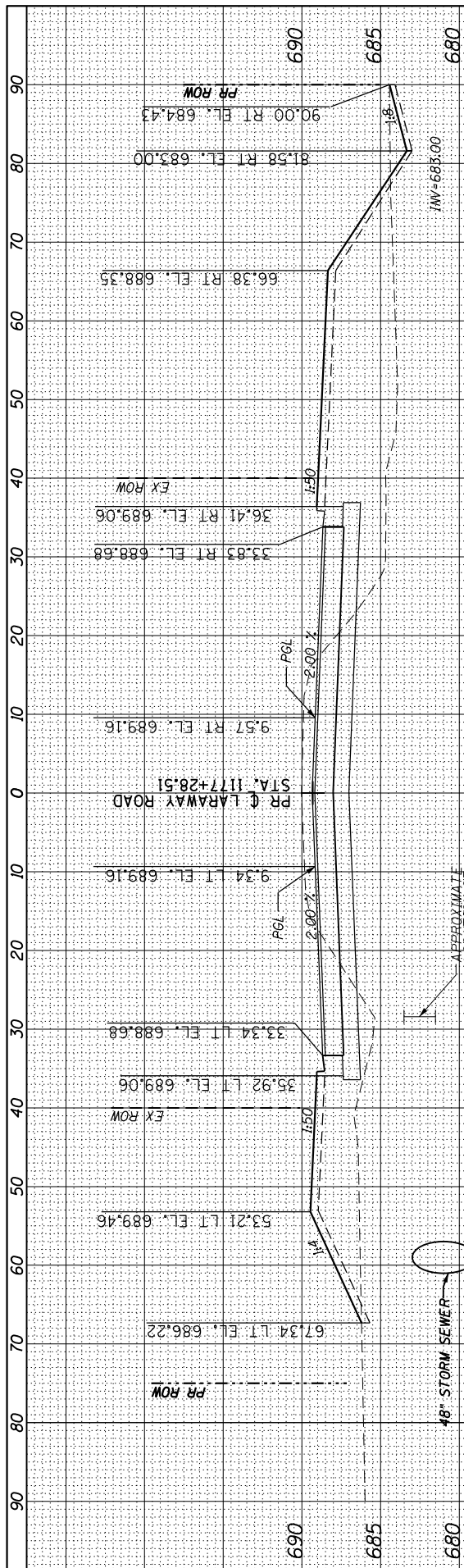
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - LARAWAY ROAD
 CEDAR ROAD AND LARAWAY ROAD
 SCALE: 1"=10H,1"=5V SHEET 1 OF 12 SHEETS STA. 1171+00.00 TO STA. 1174+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	138
CONTRACT NO. 61889				
ILLINOIS FED. AID PROJECT				

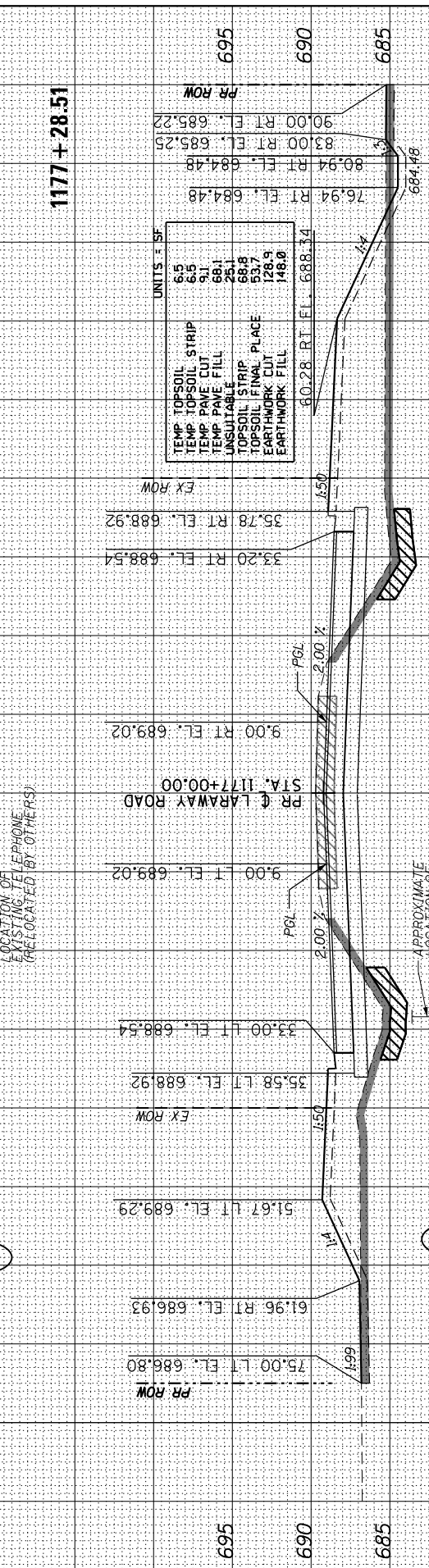
BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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



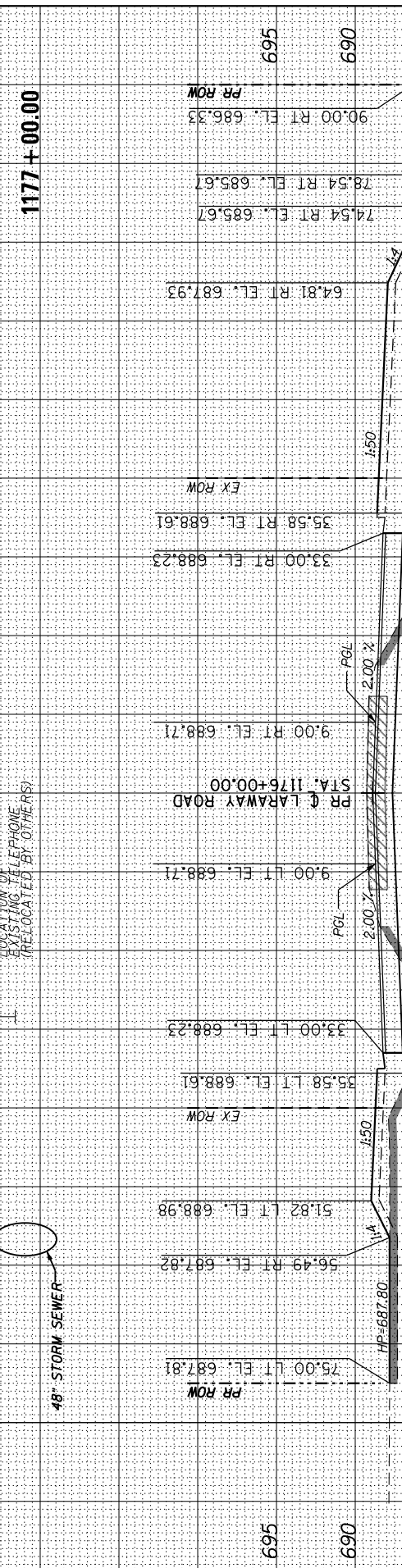
UNITS = SF

TEMP TOPSOIL STRIP	6.5
TEMP PAVE CUT	9.1
TEMP PAVE FILL	68.1
UNSUITABLE	25.1
TOPSOIL STRIP	68.8
TOPSOIL FINAL PLACE	53.7
EARTHWORK CUT	128.9
EARTHWORK FILL	148.8



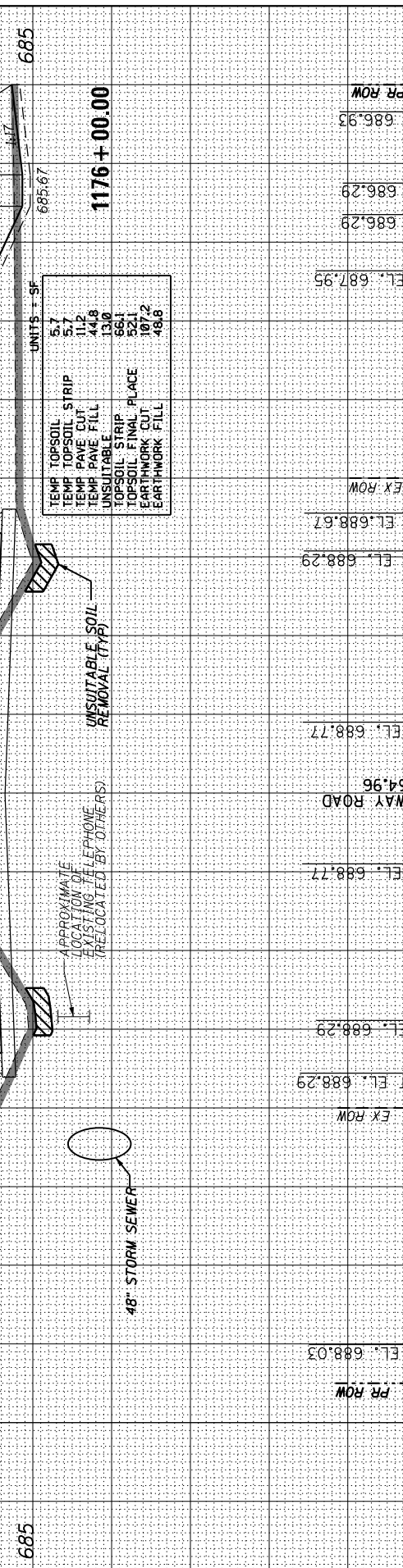
UNITS = SF

TEMP TOPSOIL STRIP	5.7
TEMP PAVE CUT	11.2
TEMP PAVE FILL	44.8
UNSUITABLE	13.0
TOPSOIL STRIP	66.1
TOPSOIL FINAL PLACE	52.1
EARTHWORK CUT	107.2
EARTHWORK FILL	48.8



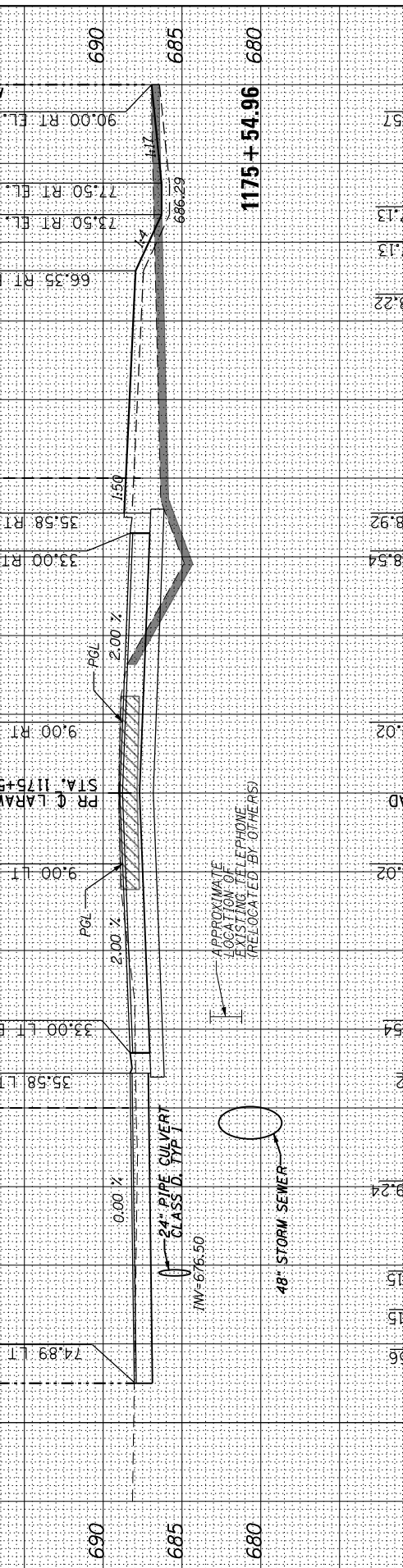
UNITS = SF

TEMP TOPSOIL STRIP	6.1
TEMP PAVE CUT	17.2
TEMP PAVE FILL	35.4
UNSUITABLE	13.2
TOPSOIL STRIP	67.3
TOPSOIL FINAL PLACE	29.5
EARTHWORK CUT	99.6
EARTHWORK FILL	143.5



UNITS = SF

TEMP TOPSOIL STRIP	6.1
TEMP PAVE CUT	17.2
TEMP PAVE FILL	35.4
UNSUITABLE	13.2
TOPSOIL STRIP	67.3
TOPSOIL FINAL PLACE	29.5
EARTHWORK CUT	99.6
EARTHWORK FILL	143.5



FILE NAME =	P:\projects\13003\000\CAAD_Sheets\4014684-sh-xxsh-t-lar-away.dgn
USER NAME =	mohammed.ai
DESIGNED	MMA
DRAWN	MMA
CHECKED	RCH
DATE	3/31/21
REVISIONS	
REVISOR	
DATE	
REVISIONS	
REVISOR	
DATE	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

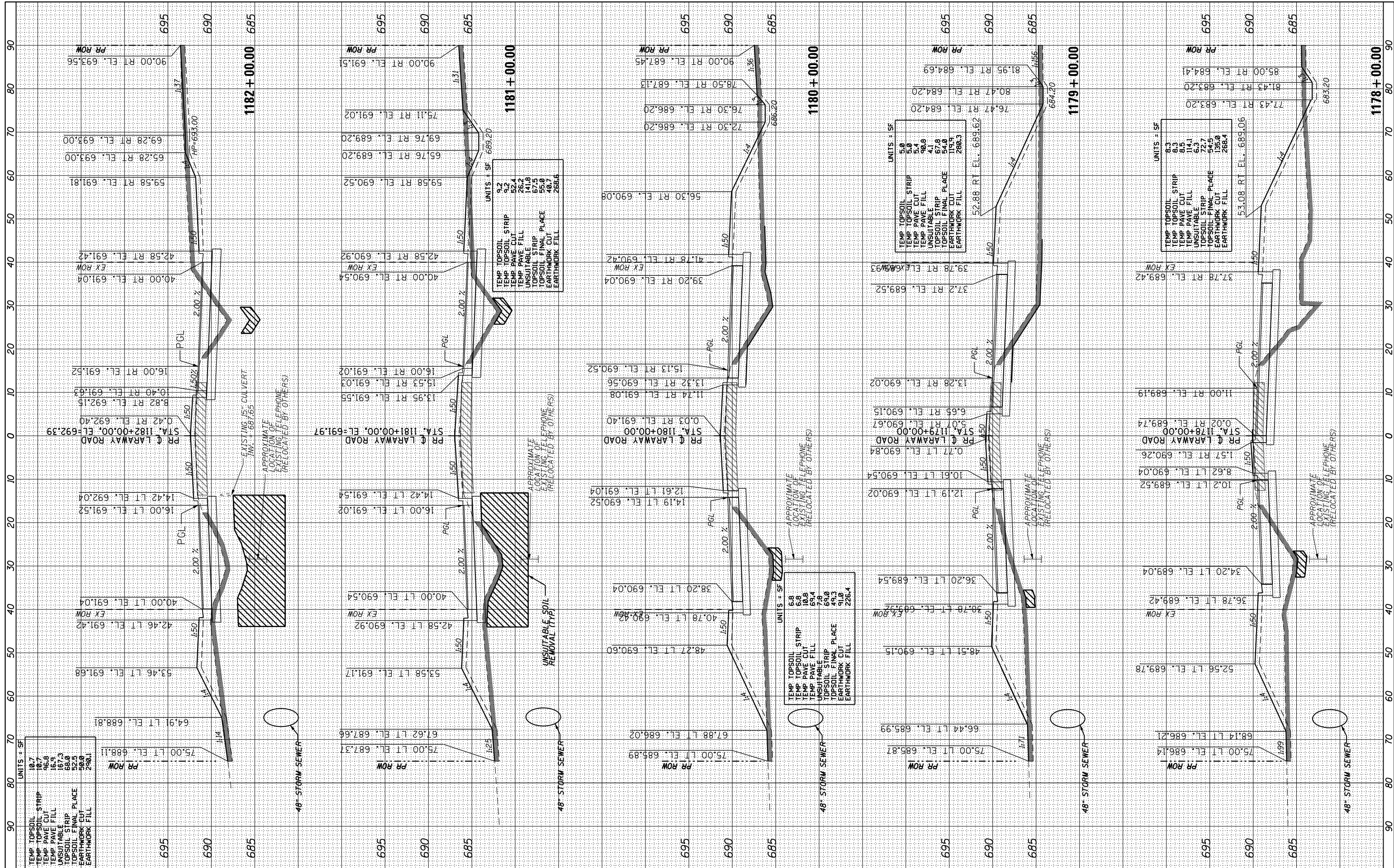
**CROSS SECTIONS - LARAWAY ROAD
CEDAR ROAD AND LARAWAY ROAD**

SCALE: 1"=10H,1"=5V SHEET 1 OF 12 SHEETS STA. 1171+00.00 TO STA. 1174+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	139
CONTRACT NO. 61889				
ILLINOIS FED. AID PROJECT				

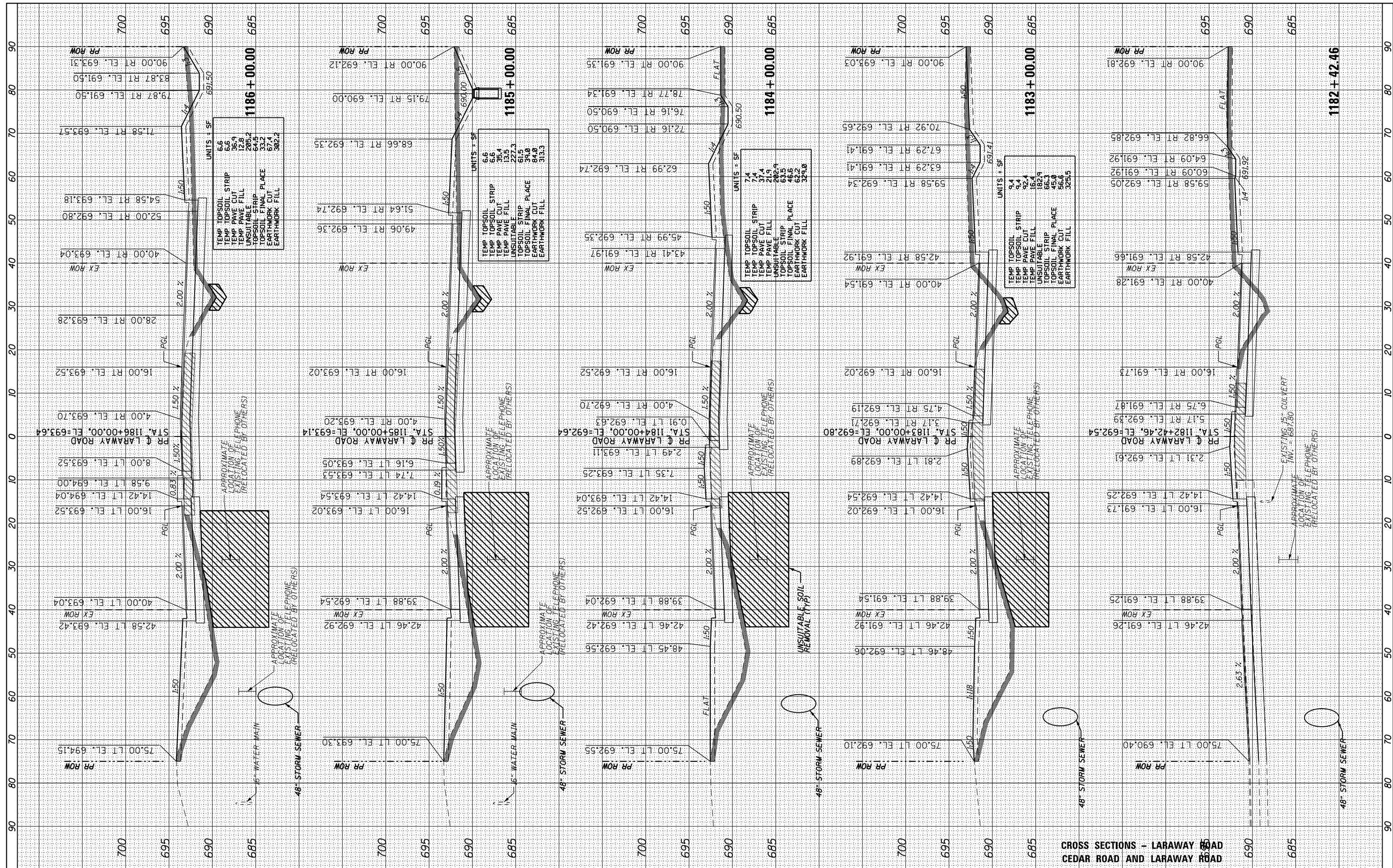
FINAL SURVEY PLOTTED	DATE
NOTE BOOK NO.	
AREAS CHECKED	

ORIGINAL SURVEY PLOTTED	DATE
NOTE BOOK NO.	
AREAS CHECKED	



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

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



FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		



FILE NAME =	USER NAME = mohammed.ai	DESIGNED MMA	REVISED -
P:\projects\13003\000\CAAD_Sheets\4014684-sh--xsh-t-laraway.dgn		DRAWN MMA	REVISED -
#MODELNAME#		CHECKED RCH	REVISED -
		DATE 3/31/21	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

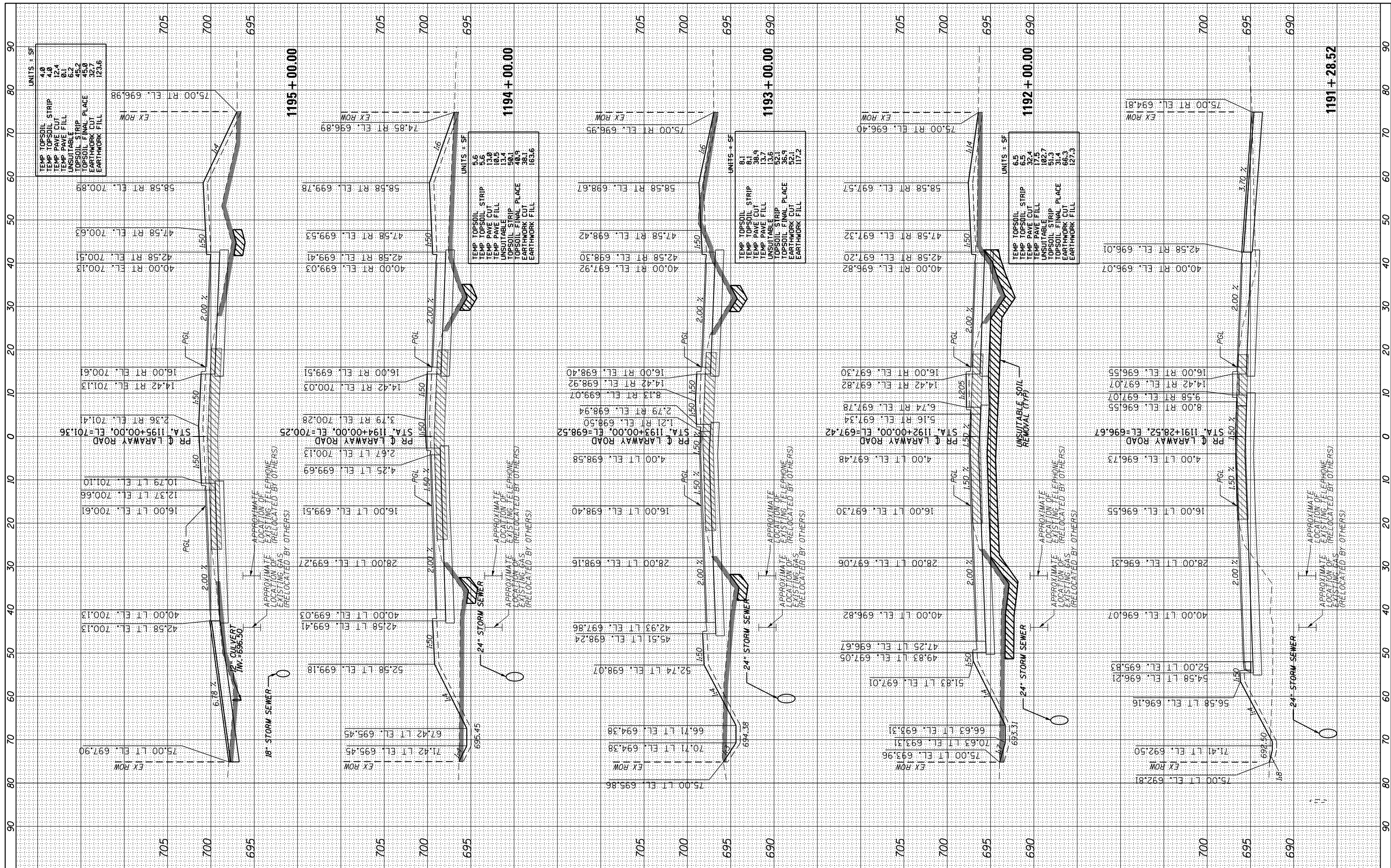
CROSS SECTIONS - LARAWAY ROAD
CEDAR ROAD AND LARAWAY ROAD

F.A.U. RT. E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	142
				CONTRACT NO. 61889
				ILLINOIS FED. AID PROJECT

SCALE: 1"=10H, 1"=5V SHEET 4 OF 12 SHEETS STA. 1185+00.00 TO STA. 1189+00.00

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

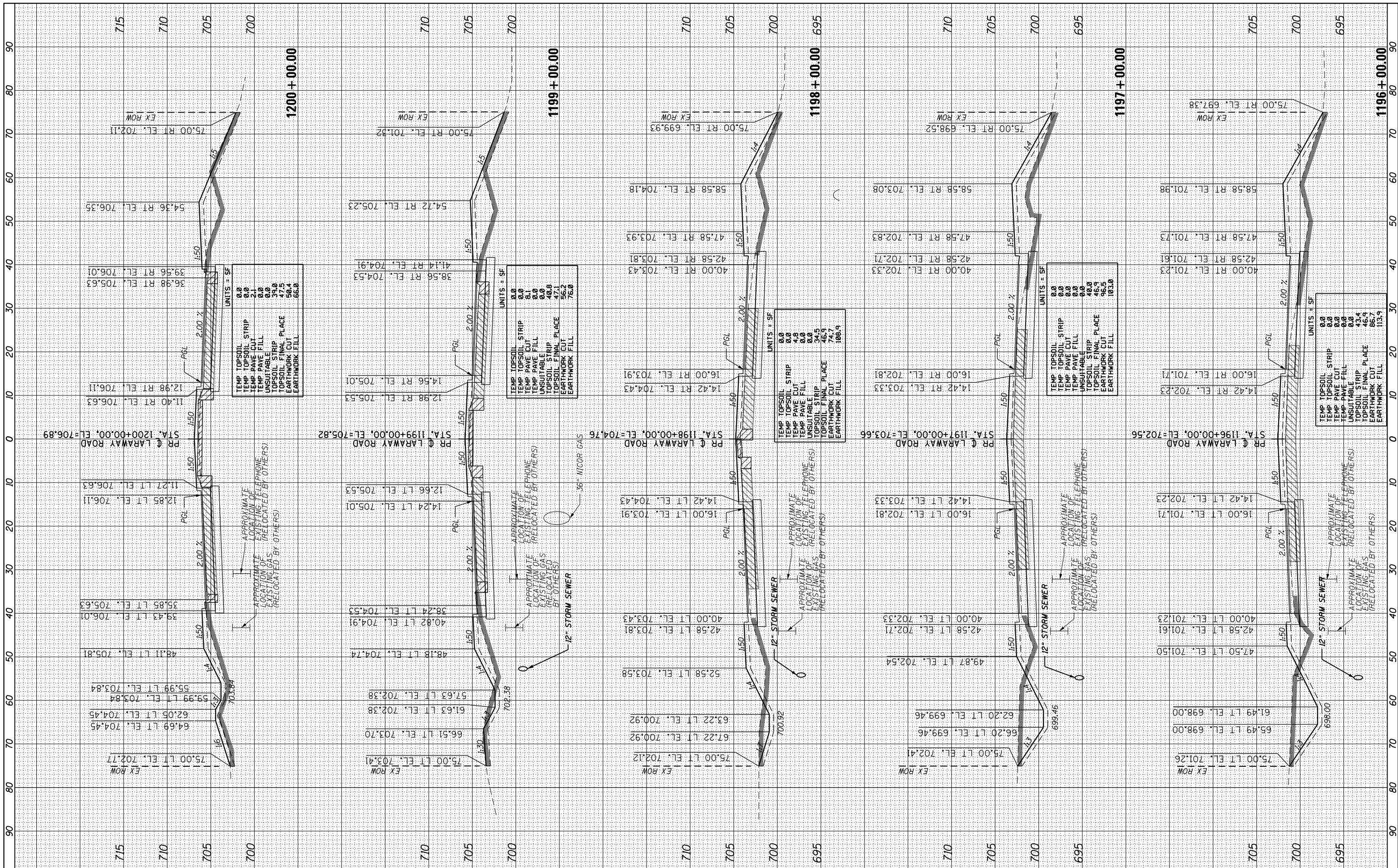
DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



FILE NAME =	P:\projects\13003\000\CAAD_Sheets\4014684-sh-xssht-laraway.dgn	DESIGNED	MMA	REVISED	-	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS - LARAWAY ROAD CEDAR ROAD AND LARAWAY ROAD	F.A.U. RT. E.	369	SECTION	08-00138-28-TL	COUNTY	WILL	TOTAL SHEETS	156	SHEET NO.	143		
USER NAME =	mohammed.ai	DRAWN	MMA	REVISED	-			SCALE: 1"=10H,1"=5V	SHEET 5	OF 12 SHEETS	STA. 1190+00.00	TO STA. 1194+00.00	CONTRACT NO. 61889						
PLOT SCALE =	20.0000' / 1" IN.	CHECKED	RCH	REVISED	-			ILLINOIS FED. AID PROJECT											
MODEL NAME =		DATE	3/31/21	REVISED	-														

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

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



UNITS = SF

TEMP TOPSOIL STRIP	0.0
TEMP PAVEMENT CUT	0.0
TEMP PAVEMENT FILL	2.1
UNUSABLE STRIP	0.0
TOPSOIL FINAL PLACE	47.9
EARTHWORK CUT	50.2
EARTHWORK FILL	55.0

UNITS = SF

TEMP TOPSOIL STRIP	0.0
TEMP PAVEMENT CUT	8.1
TEMP PAVEMENT FILL	0.0
UNUSABLE STRIP	0.0
TOPSOIL FINAL PLACE	48.8
EARTHWORK CUT	47.1
EARTHWORK FILL	56.2

UNITS = SF

TEMP TOPSOIL STRIP	0.0
TEMP PAVEMENT CUT	4.8
TEMP PAVEMENT FILL	0.0
UNUSABLE STRIP	0.0
TOPSOIL FINAL PLACE	45.5
EARTHWORK CUT	74.7
EARTHWORK FILL	108.9

UNITS = SF

TEMP TOPSOIL STRIP	0.0
TEMP PAVEMENT CUT	0.0
TEMP PAVEMENT FILL	0.0
UNUSABLE STRIP	0.0
TOPSOIL FINAL PLACE	40.0
EARTHWORK CUT	96.5
EARTHWORK FILL	103.0

UNITS = SF

TEMP TOPSOIL STRIP	0.0
TEMP PAVEMENT CUT	0.0
TEMP PAVEMENT FILL	0.0
UNUSABLE STRIP	0.0
TOPSOIL FINAL PLACE	43.4
EARTHWORK CUT	86.7
EARTHWORK FILL	113.9

FILE NAME =	USER NAME = mohammed.ai	DESIGNED	MMA	REVISED	-
P:\projects\13003\000\CA00_Sheets\4014684-sh-xxsh-t-laraway.dgn		DRAWN	MMA	REVISED	-
#MODELNAME#		CHECKED	RCH	REVISED	-
		DATE	3/31/21	REVISED	-

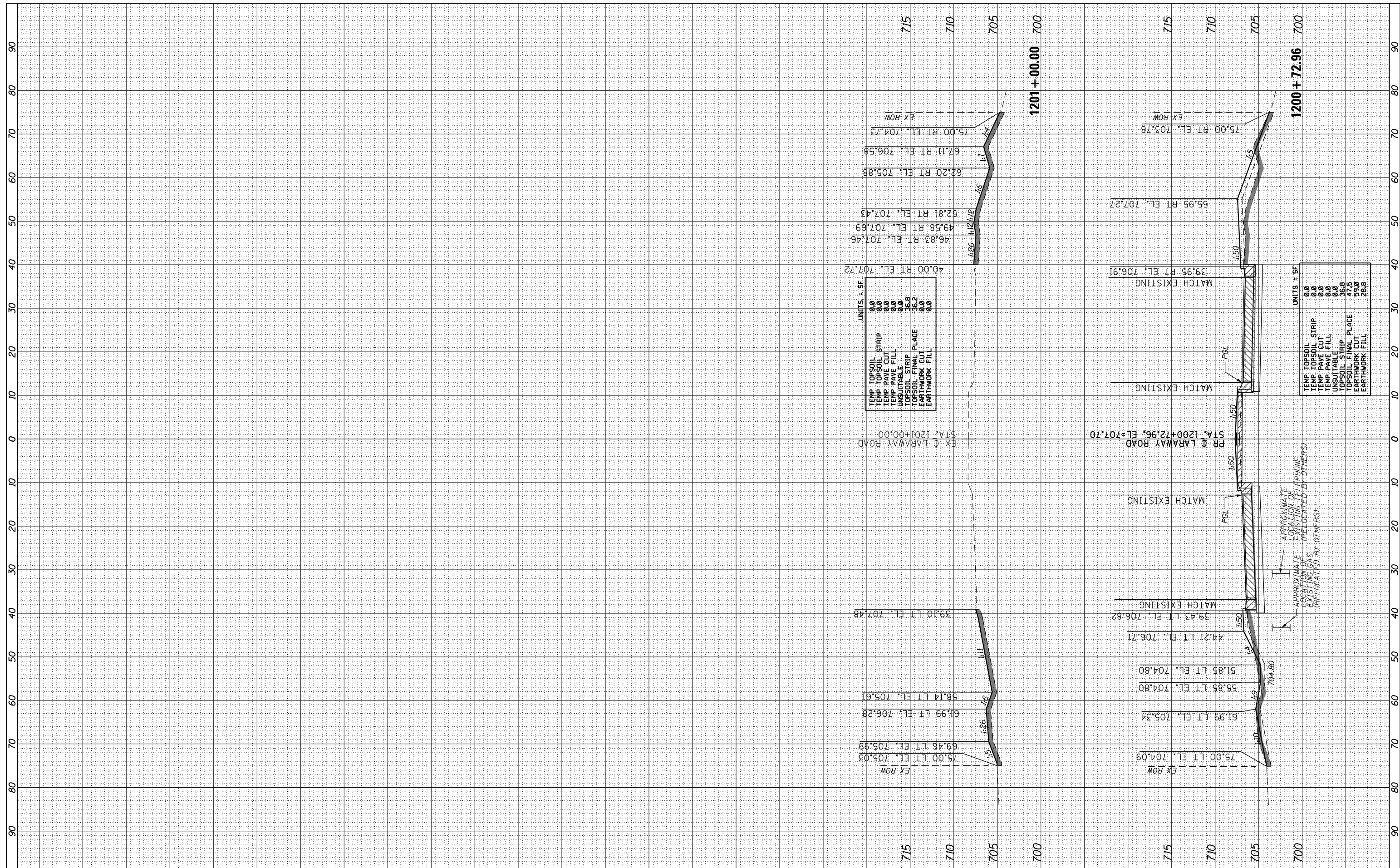
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - LARAWAY ROAD CEDAR ROAD AND LARAWAY ROAD	
SCALE: 1"=10H, 1"=5V	SHEET 6 OF 12 SHEETS STA. 1195+00.00 TO STA. 1199+00.00

F.A.U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00100-28-TL	WILL	156	144
CONTRACT NO. 61889				ILLINOIS FED. AID PROJECT

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

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



UNITS = SF

TEMP TOPSOIL STRIP	0.0
TEMP TOPSOIL	0.0
TEMP PAVE CUT	0.0
TEMP PAVE FILL	0.0
UNSUITABLE	0.0
TOPSOIL STRIP	36.8
TOPSOIL FINAL PLACE	36.8
EARTHWORK CUT	0.0
EARTHWORK FILL	0.0

UNITS = SF

TEMP TOPSOIL STRIP	0.0
TEMP TOPSOIL	0.0
TEMP PAVE CUT	0.0
TEMP PAVE FILL	0.0
UNSUITABLE	0.0
TOPSOIL STRIP	36.8
TOPSOIL FINAL PLACE	47.5
EARTHWORK CUT	59.0
EARTHWORK FILL	28.8

FILE NAME =	USER NAME = mohammed.ai	DESIGNED	MMA	REVISED	-
P:\projects\13003\000\C\CADD_Sheets\4014684-sh	xsst-laraway.dgn	DRAWN	MMA	REVISED	-
\$MODELNAME\$	PLOT SCALE = 20.0000' / in.	CHECKED	RCH	REVISED	-
	PLOT DATE = 4/13/2021	DATE	3/31/21	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

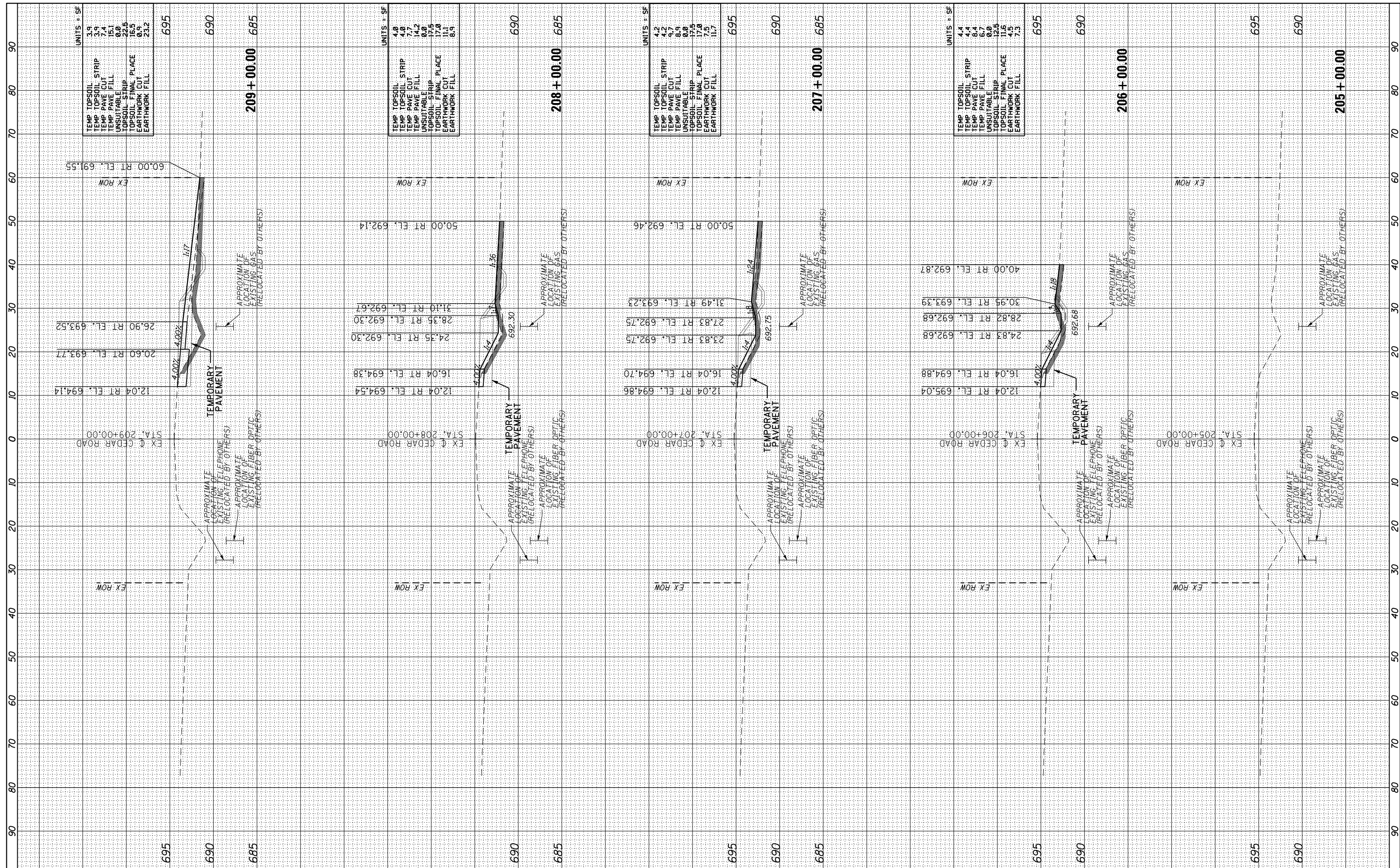
**CROSS SECTIONS - LARAWAY ROAD
CEDAR ROAD AND LARAWAY ROAD**

SCALE: 1"=10H,1"=5V SHEET 7 OF 12 SHEETS STA. 1200+00.00 TO STA.1201+00.00

F.A.U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	145
				CONTRACT NO. 61889
ILLINOIS FED. AID PROJECT				

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

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



FILE NAME =	USER NAME = mohammed.ai	DESIGNED	MMA	REVISED	-
P:\projects\13003\000\CAADD_Sheets\4014684-sh-xssh-cedar.dgn		DRAWN	MMA	REVISED	-
#MODELNAME#		CHECKED	RCH	REVISED	-
		DATE	3/31/21	REVISED	-
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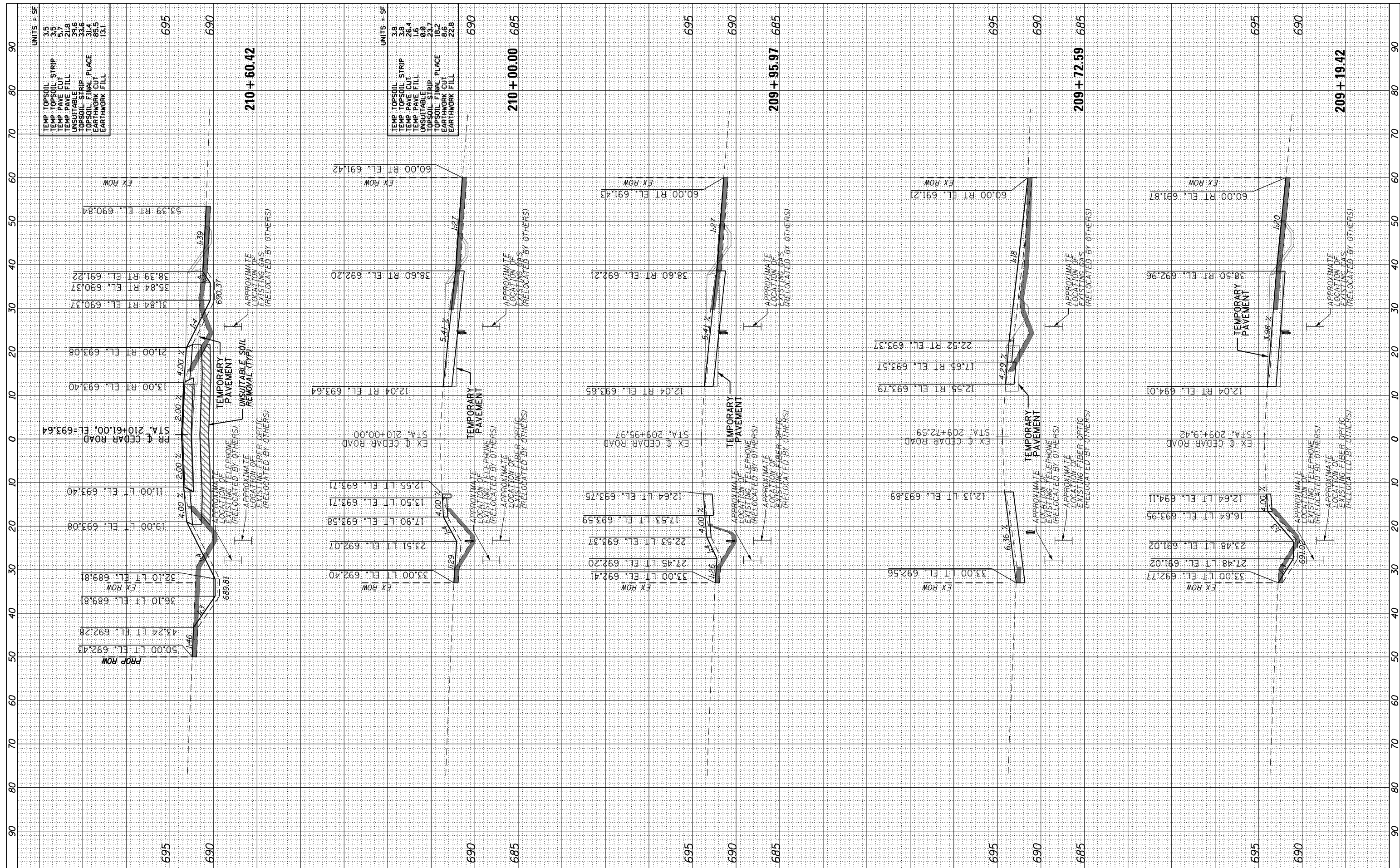
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - CEDAR ROAD CEDAR ROAD AND LARAWAY ROAD			
SCALE: 1"=10H, 1"=5V	SHEET 8	OF 12 SHEETS	STA. 210+60.42 TO STA. 217+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	146
CONTRACT NO. 61889				
ILLINOIS FED. AID PROJECT				

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

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



UNITS = SF	
TEMP TOPSOIL	3.5
TEMP TOPSOIL STRIP	3.5
TEMP PAVE CUT	5.7
TEMP PAVE FILL	21.8
UNSUITABLE	39.6
TOPSOIL STRIP	33.6
TOPSOIL FINAL PLACE	31.4
EARTHWORK CUT	85.5
EARTHWORK FILL	13.1

UNITS = SF	
TEMP TOPSOIL	3.8
TEMP TOPSOIL STRIP	3.8
TEMP PAVE CUT	26.4
TEMP PAVE FILL	1.6
UNSUITABLE	9.8
TOPSOIL STRIP	18.7
TOPSOIL FINAL PLACE	18.2
EARTHWORK CUT	6.6
EARTHWORK FILL	22.8

FILE NAME =	USER NAME = mohammed.a1	DESIGNED MMA	REVISED -
P:\projects\13003\000\CADD_Sheets\4014684-sh-xxsh-t-cedar.dgn		DRAWN MMA	REVISED -
#MODELNAME#		CHECKED RCH	REVISED -
		DATE 3/31/21	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

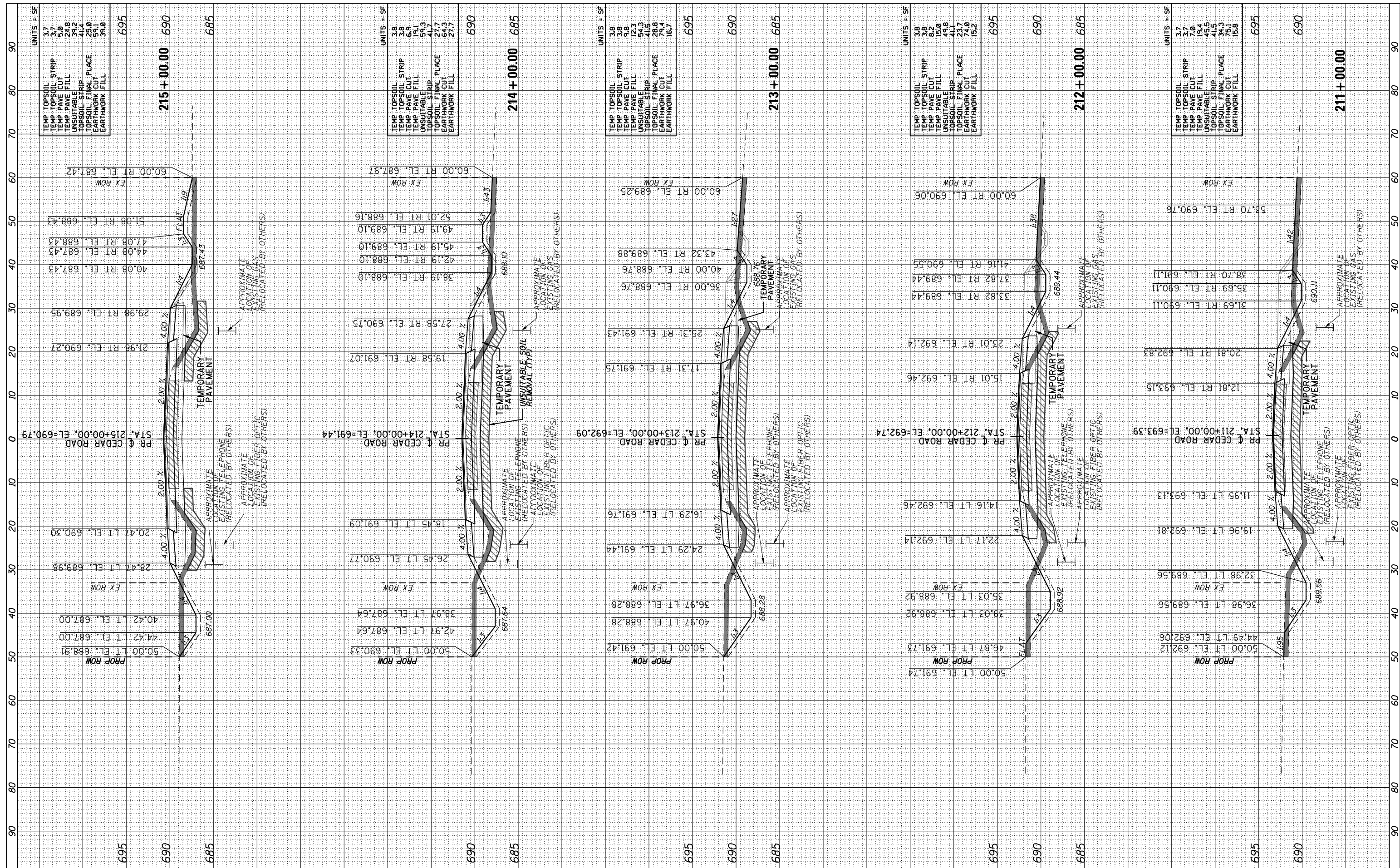
**CROSS SECTIONS - CEDAR ROAD
CEDAR ROAD AND LARAWAY ROAD**

SCALE: 1"=10H, 1"=5V SHEET 8 OF 12 SHEETS STA. 210+60.42 TO STA. 217+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	147
				CONTRACT NO. 61889
ILLINOIS FED. AID PROJECT				

DATE	BY
NO.	NO.
AREAS CHECKED	AREAS CHECKED
TEMPLE	TEMPLE
PLOTTED	PLOTTED
SURVEYED	SURVEYED
FINAL	FINAL
NO.	NO.

DATE	BY
NO.	NO.
AREAS CHECKED	AREAS CHECKED
TEMPLE	TEMPLE
PLOTTED	PLOTTED
SURVEYED	SURVEYED
ORIGINAL	ORIGINAL
NO.	NO.



FILE NAME =	USER NAME = mohammed.ai	DESIGNED MMA	REVISED -
P:\projects\13003\000\CAOD_Sheets\4014684-sh-xssh-cedar.dgn		DRAWN MMA	REVISED -
#MODELNAME#		CHECKED RCH	REVISED -
		DATE 3/31/21	REVISED -

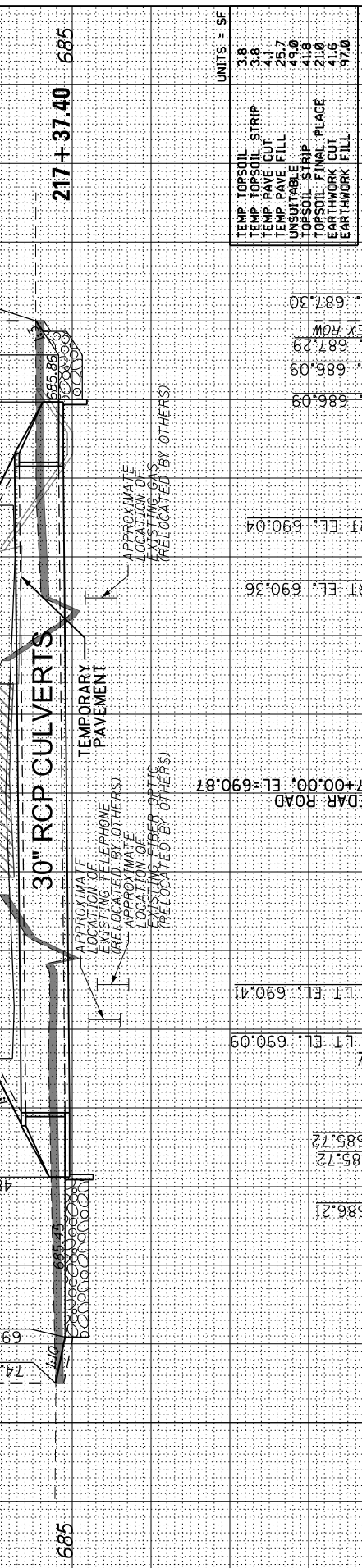
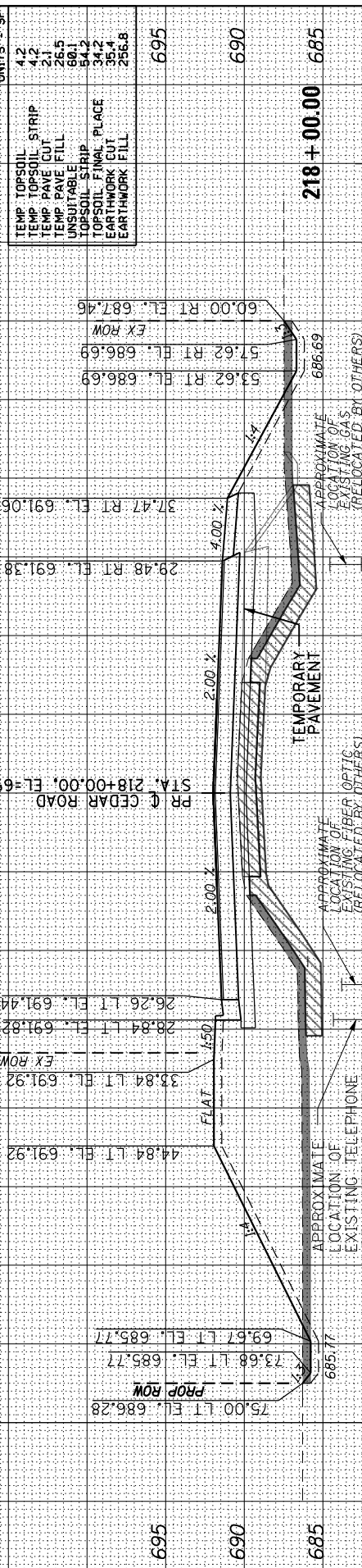
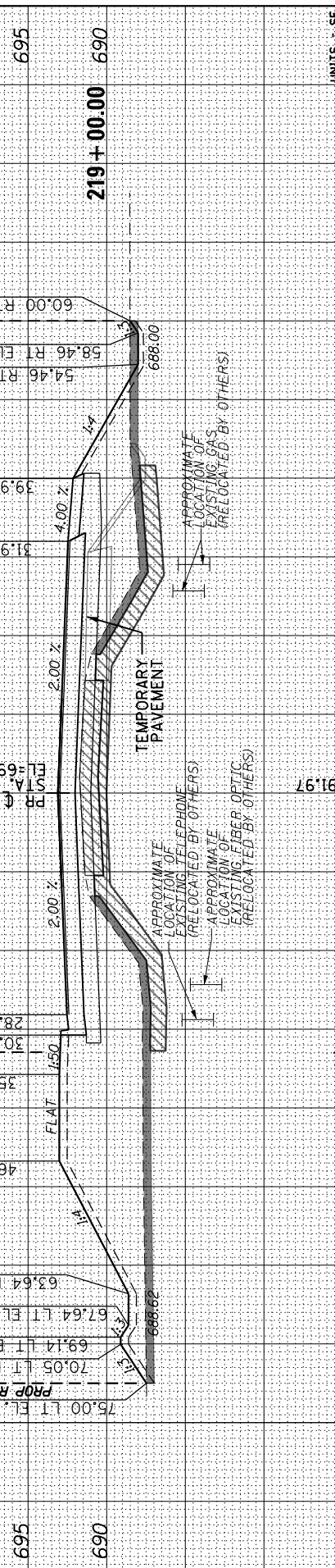
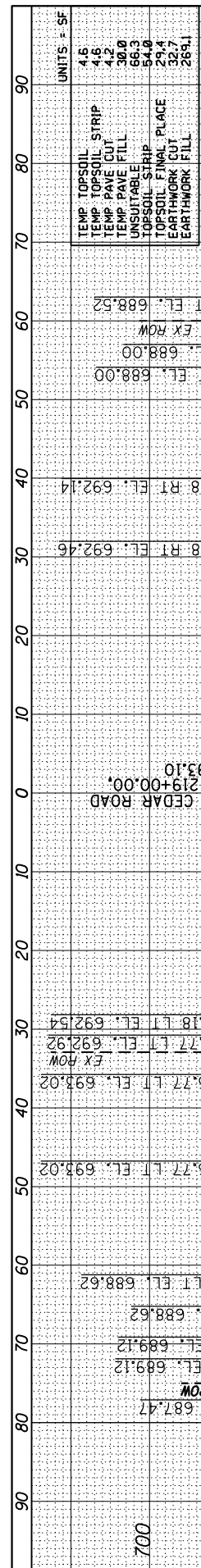
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - CEDAR ROAD CEDAR ROAD AND LARAWAY ROAD			
SCALE: 1"=10H,1"=5V	SHEET 8	OF 12 SHEETS	STA. 210+60.42 TO STA.217+00.00

F.A.U. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	148
CONTRACT NO. 61889				
ILLINOIS FED. AID PROJECT				

DATE	BY

DATE	BY



FILE NAME = P:\projects\13003\000\CAOD_Sheets\4014684-sh-xssht-cedar.dgn
 USER NAME = mohammed.ai
 DESIGNED MMA
 DRAWN MMA
 CHECKED RCH
 DATE 3/31/21

REVISIONS:
 - REVISED -
 - REVISED -
 - REVISED -
 - REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

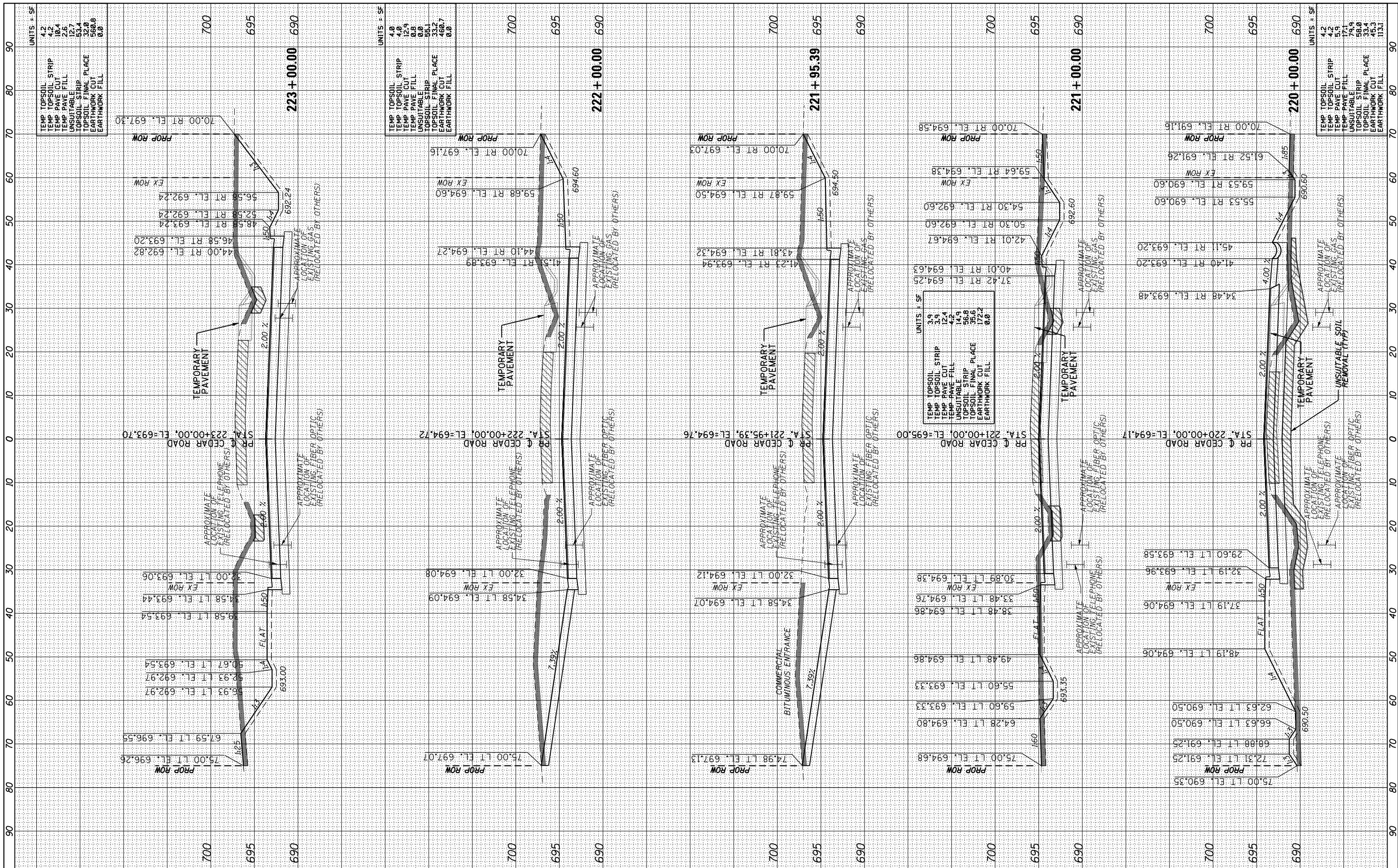
**CROSS SECTIONS - CEDAR ROAD
 CEDAR ROAD AND LARAWAY ROAD**

SCALE: 1"=10H, 1"=5V SHEET 9 OF 12 SHEETS STA. 217+37.40 TO STA. 222+00.00

F.A.U. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	149
CONTRACT NO. 61889				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED
BY
DATE

ORIGINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED
BY
DATE



FILE NAME =	USER NAME = mohammed.ai	DESIGNED MMA	REVISED -
P:\projects\13003\000\CAADD_Sheets\4014684-sh-ssht-cedar.dgn		DRAWN MMA	REVISED -
#MODELNAME#		CHECKED RCH	REVISED -
		DATE 3/31/21	REVISED -

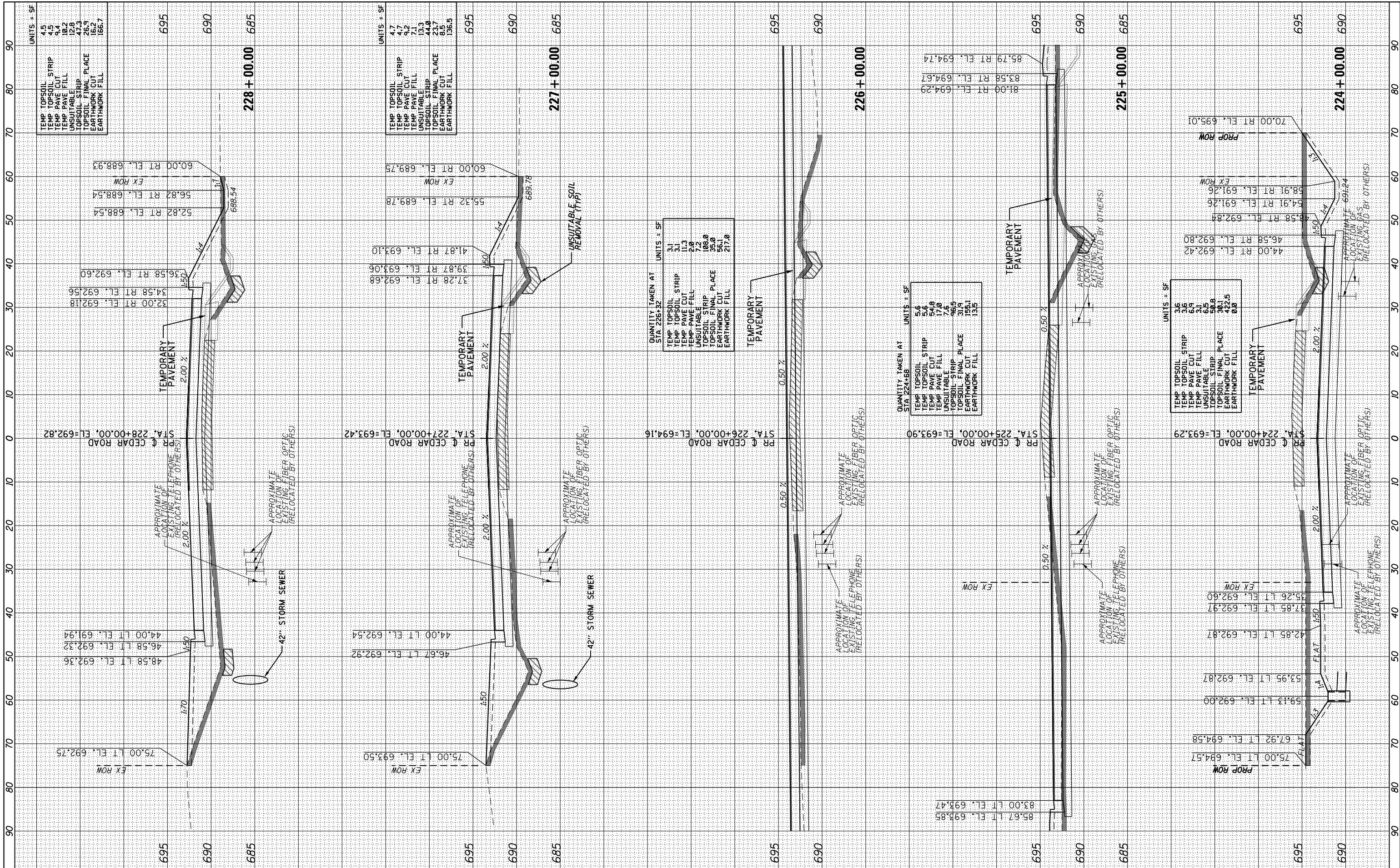
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - CEDAR ROAD CEDAR ROAD AND LARAWAY ROAD			
SCALE: 1"=10H,1"=5V	SHEET 10	OF 12 SHEETS	STA. 223+00.00 TO STA. 230+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	150
CONTRACT NO. 61889				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY PLOTTED	DATE
NOTE BOOK	
AREAS CHECKED	

ORIGINAL SURVEY PLOTTED	DATE
NOTE BOOK	
AREAS CHECKED	



FILE NAME = P:\projects\13003\000\CAOD_Sheets\4014684-sh-ssht-cedar.dgn
 #MODELNAME#

USER NAME = mohammed.ai
 PLOT SCALE = 20.0000' / 1" / in.
 PLOT DATE = 4/13/2021

DESIGNED MMA
 DRAWN MMA
 CHECKED RCH
 DATE 3/31/21

REVISED -
 REVISED -
 REVISED -
 REVISED -

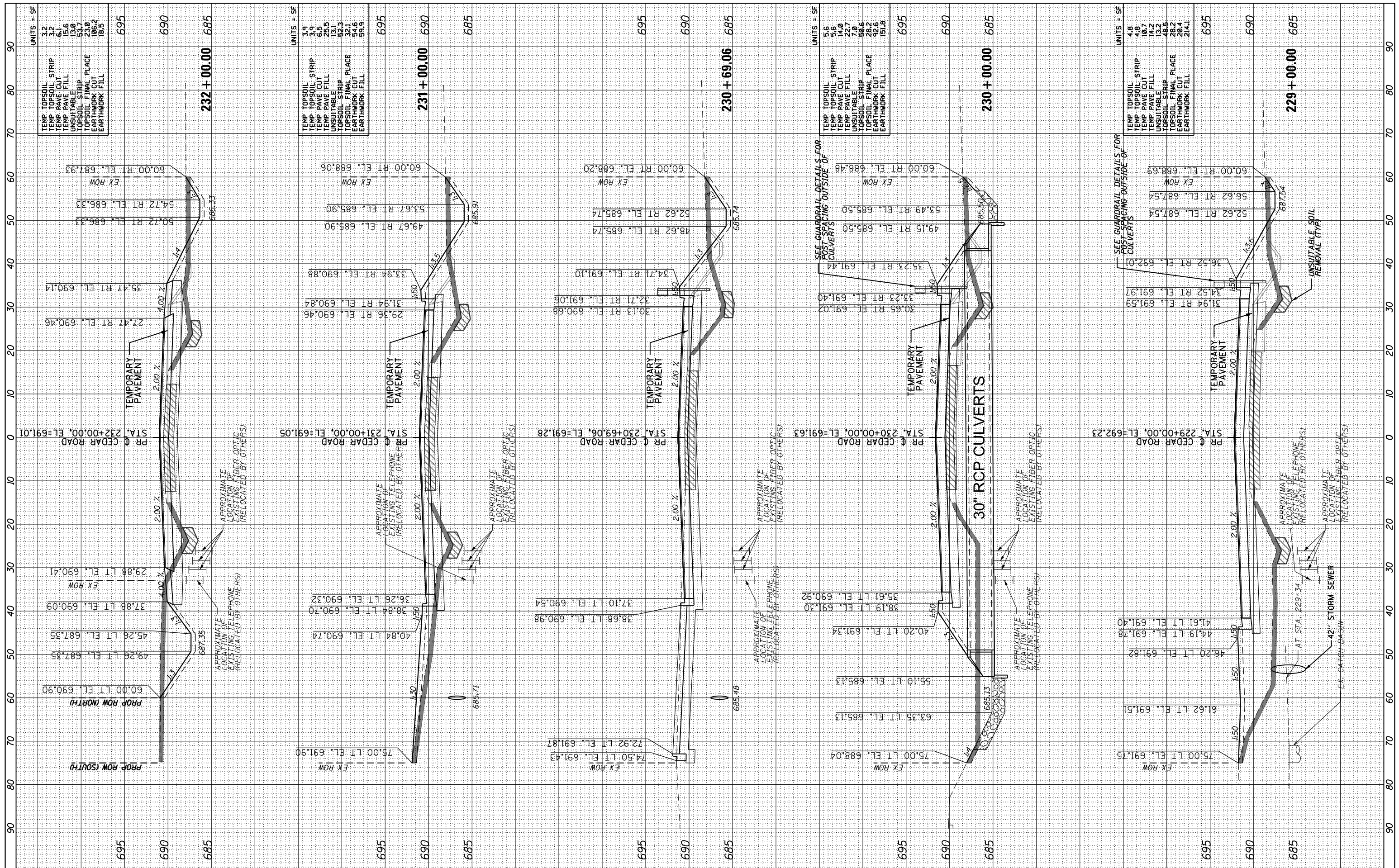
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - CEDAR ROAD
 CEDAR ROAD AND LARAWAY ROAD
 SCALE: 1"=10H, 1"=5V SHEET 11 OF 12 SHEETS STA. 230+40.35 TO STA. 235+38.88

F.A.U. RT. 369	SECTION 08-00138-28-TL	COUNTY WILL	TOTAL SHEETS 156	SHEET NO. 151
CONTRACT NO. 61889				ILLINOIS FED. AID PROJECT

DATE	BY
NO.	NO.
AREAS CHECKED	AREAS CHECKED
PLATE	PLATE
TEMPLE	TEMPLE
NO. BOOK	NO. BOOK
SURVEYED	SURVEYED
FINAL	FINAL

DATE	BY
NO.	NO.
AREAS CHECKED	AREAS CHECKED
PLATE	PLATE
TEMPLE	TEMPLE
NO. BOOK	NO. BOOK
SURVEYED	SURVEYED
ORIGINAL	ORIGINAL



FILE NAME = P:\projects\13003\000\CAADD_Sheets\4014684-sh-xxsh-t-cedar.dgn
 USER NAME = mohammed.ai
 DRAWN MMA
 CHECKED RCH
 PLOT SCALE = 20.0000' / 1" in.
 PLOT DATE = 4/13/2021

DESIGNED MMA
 REVISIONS:
 -
 -
 -
 -
 -
 DATE 3/31/21

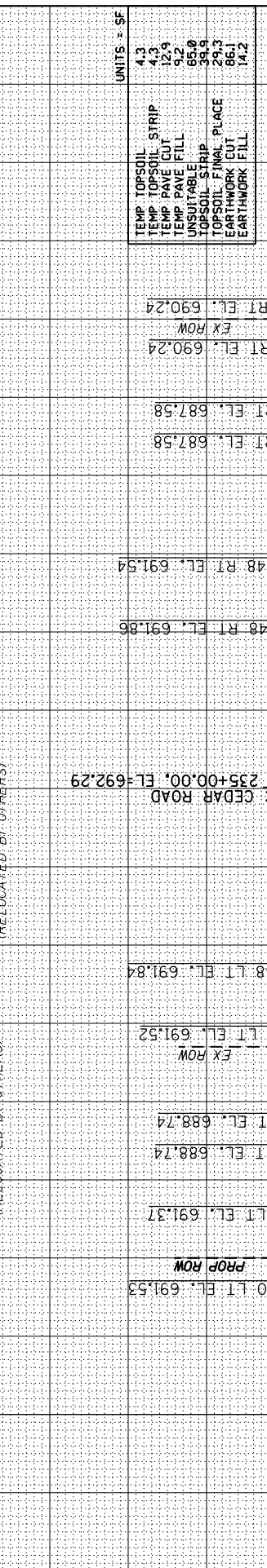
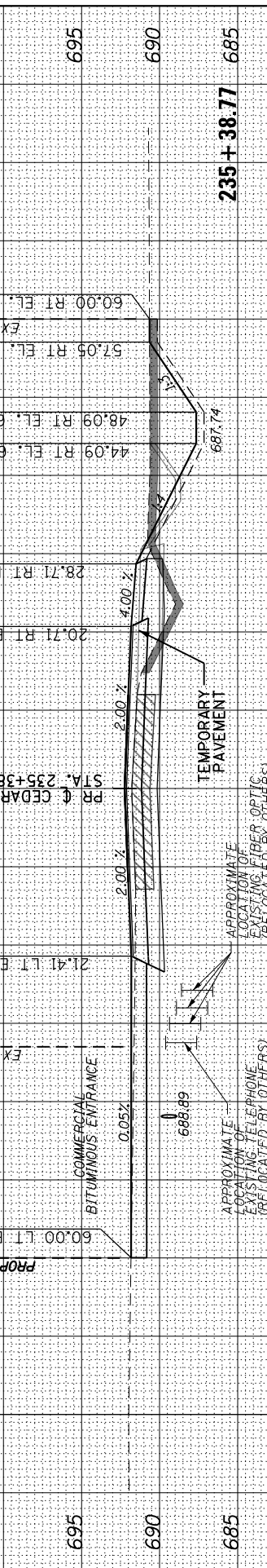
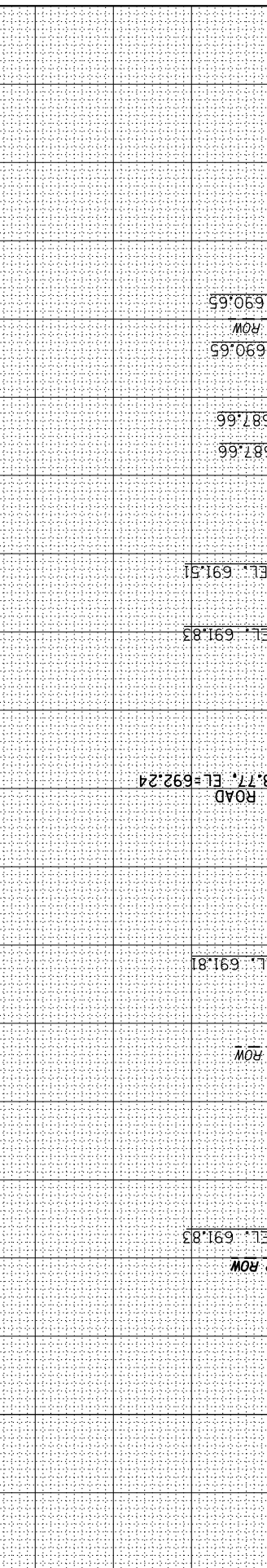
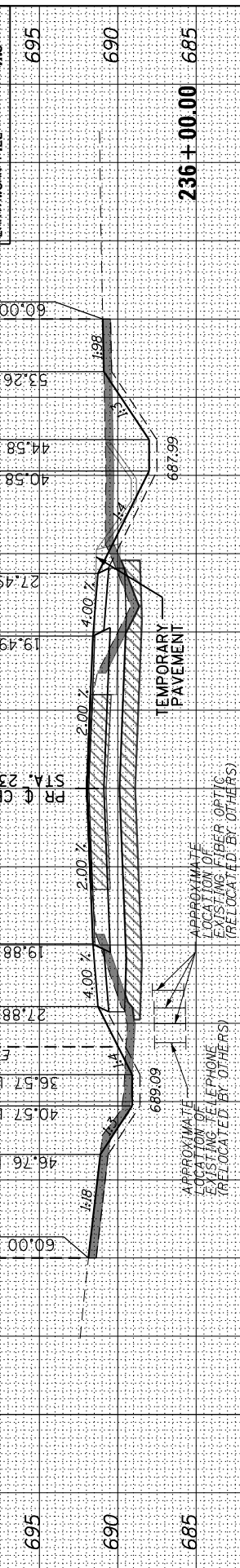
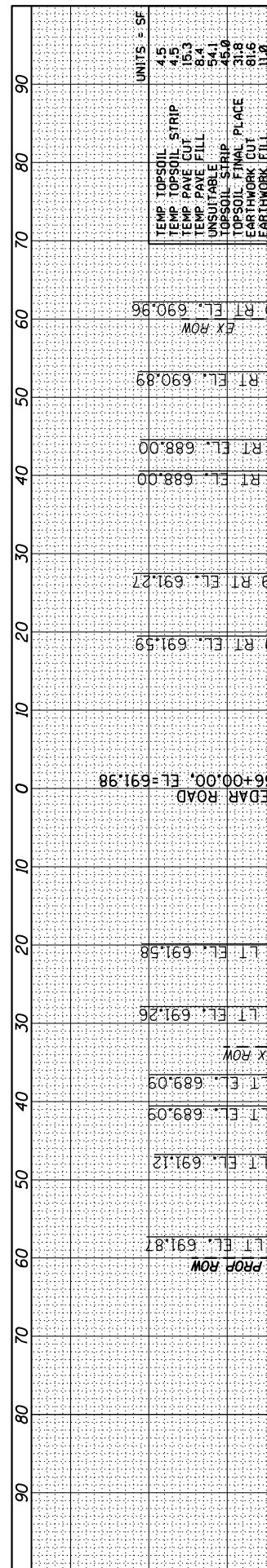
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - CEDAR ROAD
 CEDAR ROAD AND LARAWAY ROAD
 SCALE: 1"=10H, 1"=5V SHEET 12 OF 12 SHEETS STA. 236+00.00 TO STA. 239+75.16

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	152
CONTRACT NO. 61889				
ILLINOIS FED. AID PROJECT				

DATE	BY

DATE	BY



UNITS = SF	
TEMP TOPSOIL	4.5
TEMP TOPSOIL STRIP	4.5
TEMP PAVE CUT	15.3
TEMP PAVE FILL	8.4
UNSUITABLE	54.1
TOPSOIL STRIP	15.0
TOPSOIL STRIP PLACE	31.8
EARTHWORK CUT	61.8
EARTHWORK FILL	11.8
695	
690	
685	
236 + 00.00	

UNITS = SF	
TEMP TOPSOIL	4.3
TEMP TOPSOIL STRIP	4.3
TEMP PAVE CUT	12.9
TEMP PAVE FILL	9.2
UNSUITABLE	65.0
TOPSOIL STRIP	39.9
TOPSOIL STRIP PLACE	29.3
EARTHWORK CUT	86.1
EARTHWORK FILL	14.2
695	
690	
685	
235 + 00.00	

UNITS = SF	
TEMP TOPSOIL	3.9
TEMP TOPSOIL STRIP	3.9
TEMP PAVE CUT	10.3
TEMP PAVE FILL	10.5
UNSUITABLE	70.5
TOPSOIL STRIP	46.7
TOPSOIL STRIP PLACE	27.5
EARTHWORK CUT	102.7
EARTHWORK FILL	23.4
695	
690	
685	
234 + 00.00	

UNITS = SF	
TEMP TOPSOIL	3.2
TEMP TOPSOIL STRIP	3.2
TEMP PAVE CUT	6.6
TEMP PAVE FILL	6.6
UNSUITABLE	15.5
TOPSOIL STRIP	13.1
TOPSOIL STRIP PLACE	46.6
EARTHWORK CUT	25.2
EARTHWORK FILL	18.0
695	
690	
685	
233 + 00.00	

FILE NAME = P:\projects\13003\000\CADD_Sheets\4014684-sh-xxsh-t-cedar.dgn
 USER NAME = mohammed.ai
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 4/13/2021

DESIGNED MMA
 DRAWN MMA
 CHECKED RCH
 DATE 3/31/21

REVISED -
 REVISED -
 REVISED -
 REVISED -

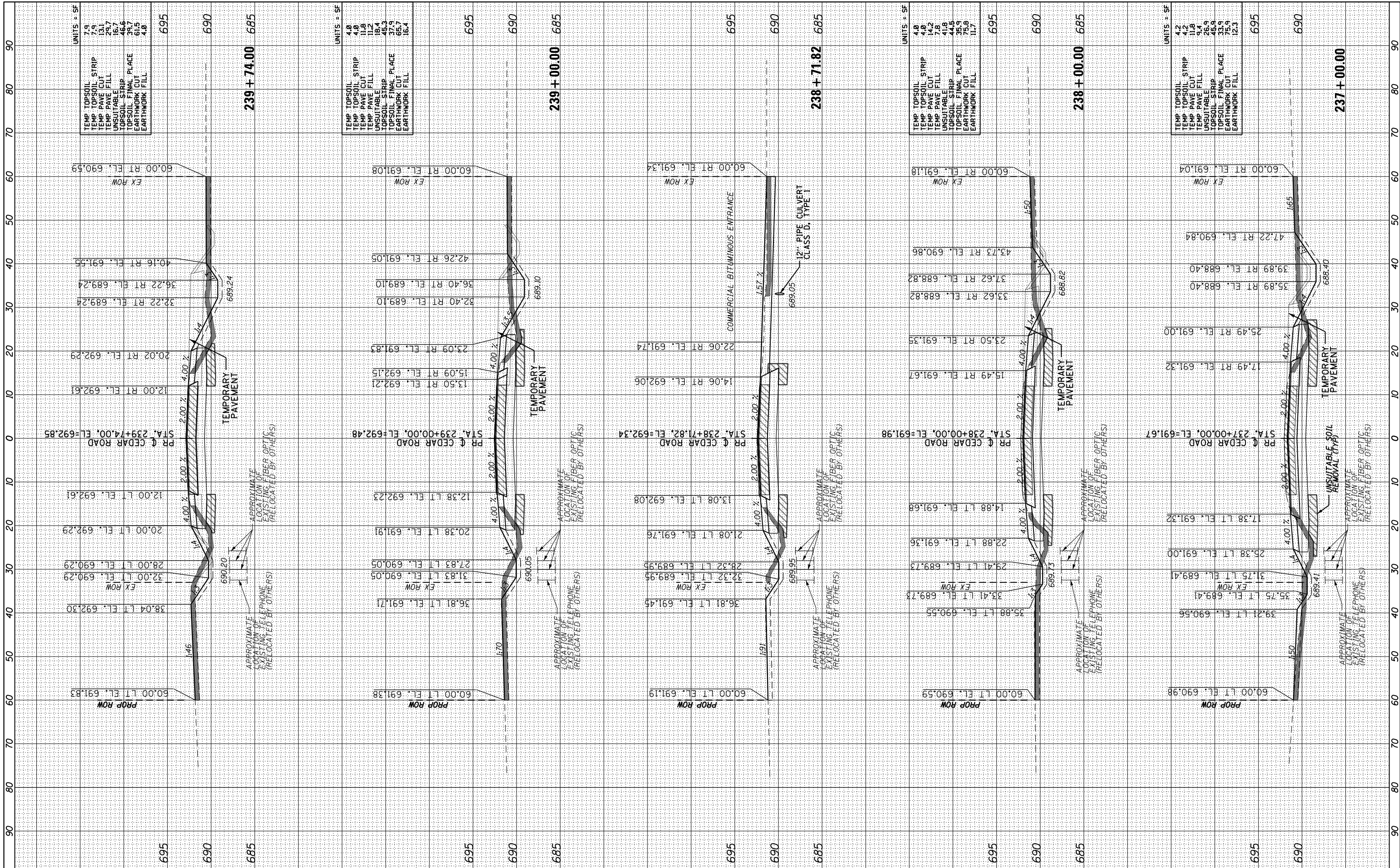
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - CEDAR ROAD
 CEDAR ROAD AND LARAWAY ROAD
 SCALE: 1"=10H, 1"=5V SHEET 8 OF 12 SHEETS STA. 210+60.42 TO STA. 217+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	153
CONTRACT NO. 61889			ILLINOIS FED. AID PROJECT	

FINAL SURVEY PLOTTED	DATE
NOTE BOOK NO.	
AREAS CHECKED	

ORIGINAL SURVEY PLOTTED	DATE
NOTE BOOK NO.	
AREAS CHECKED	



FILE NAME = P:\projects\13003\000\CAADD_Sheets\4014684-sh-xssh1-cedar.dgn
 USER NAME = mohammed.ai
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 4/13/2021

DESIGNED	MMA	REVISED	-
DRAWN	MMA	REVISED	-
CHECKED	RCH	REVISED	-
DATE	3/31/21	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

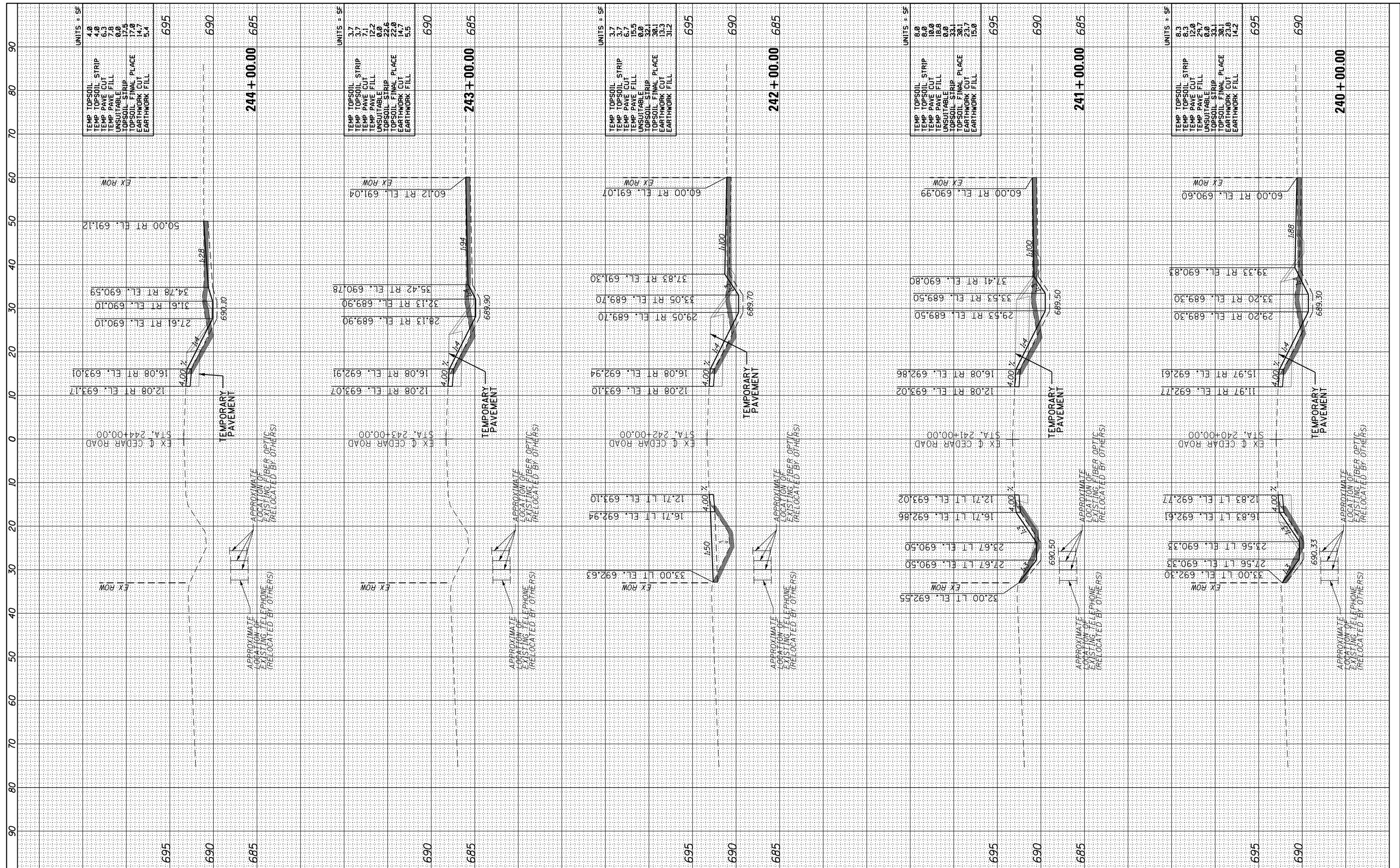
**CROSS SECTIONS - CEDAR ROAD
CEDAR ROAD AND LARAWAY ROAD**

SCALE: 1"=10H, 1"=5V SHEET 8 OF 12 SHEETS STA. 210+60.42 TO STA. 217+00.00

F.A.U. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	154
CONTRACT NO. 61889				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME =	P:\projects\13003\000\CADD_Sheets\4014684-sh-xxsst-cedar.dgn
USER NAME =	mohammed.ai
DESIGNED	MMA
DRAWN	MMA
CHECKED	RCH
DATE	3/31/21
REVISIONS	
REVISED	-
REVISED	-
REVISED	-
REVISED	-

UNITS = SF	4.0
TEMP TOPSOIL STRIP	4.0
TEMP TOPSOIL CUT	4.0
TEMP PAVE FILL	6.3
UNUSABLE	7.8
TOPSOIL STRIP	6.0
TOPSOIL STRIP PLACE	12.6
EARTHWORK CUT	17.9
EARTHWORK FILL	14.7
TOTAL	5.4
TOTAL	695
TOTAL	690
TOTAL	685

UNITS = SF	3.7
TEMP TOPSOIL STRIP	3.7
TEMP TOPSOIL CUT	3.7
TEMP PAVE FILL	7.1
UNUSABLE	12.2
TOPSOIL STRIP	0.0
TOPSOIL STRIP PLACE	22.6
EARTHWORK CUT	14.7
EARTHWORK FILL	5.5
TOTAL	690
TOTAL	685

UNITS = SF	8.0
TEMP TOPSOIL STRIP	8.0
TEMP TOPSOIL CUT	10.0
TEMP PAVE FILL	18.8
UNUSABLE	0.0
TOPSOIL STRIP	33.1
TOPSOIL STRIP PLACE	30.1
EARTHWORK CUT	23.7
EARTHWORK FILL	15.0
TOTAL	695
TOTAL	690
TOTAL	685

UNITS = SF	8.3
TEMP TOPSOIL STRIP	8.3
TEMP TOPSOIL CUT	12.0
TEMP PAVE FILL	29.7
UNUSABLE	0.0
TOPSOIL STRIP	33.1
TOPSOIL STRIP PLACE	30.1
EARTHWORK CUT	23.8
EARTHWORK FILL	14.2
TOTAL	695
TOTAL	690
TOTAL	685

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - CEDAR ROAD
CEDAR ROAD AND LARAWAY ROAD**

SCALE: 1"=10H, 1"=5V SHEET 8 OF 12 SHEETS STA. 210+60.42 TO STA. 217+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	155
				CONTRACT NO. 61889
ILLINOIS FED. AID PROJECT				

BY	DATE

ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



TEMP TOPSOIL STRIP	3.6
TEMP PAVE CUT	3.6
TEMP PAVE FILL	4.9
UNSUBGRAVELL	2.0
TOPSOIL	1.0
TOPSOIL FINAL PLACE	12.0
EARTHWORK CUT	6.7
EARTHWORK FILL	6.1
UNITS: ± SF	

245 + 00.00

FILE NAME	
USER NAME	mmhmeda1
DESIGNED	MMA
DRAWN	MMA
CHECKED	RCH
DATE	3/31/21

REVISIO	-
REVISIO	-
REVISIO	-
REVISIO	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:	1"=10H,1"-5V
SHEET	8 OF 12 SHEETS
STA.	210+60.42 TO STA.217+00.00

**CROSS SECTIONS – CEDAR ROAD
CEDAR ROAD AND LARAWAY ROAD**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	08-00138-28-TL	WILL	156	156
CONTRACT NO. 61B89			ILLINOIS FED. AID PROJECT	