

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	17-00077-00-SW	DUPAGE	56	1
		ILLINOIS	CONTRACT NO. 61F88	

01-21-2022 LETTING ITEM 092

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLANS FOR PROPOSED FEDERAL AID HIGHWAY

**F.A.P. ROUTE 870 (IL ROUTE 53)
HOBSON ROAD TO MULLIGAN DRIVE
SIDEWALK IMPROVEMENT
SECTION: 17-00077-00-SW
PROJECT NO. 08MC(421)
VILLAGE OF WOODRIDGE
DUPAGE COUNTY**

C-91-230-18

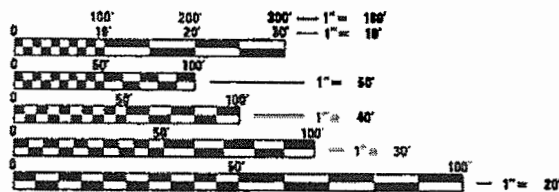


FEDERAL AID PROGRAM ENGINEER: CARMEN E RAMOS, P.E. SCHAUMBURG, IL

SEE INDEX OF SHEETS ON SHEET 2

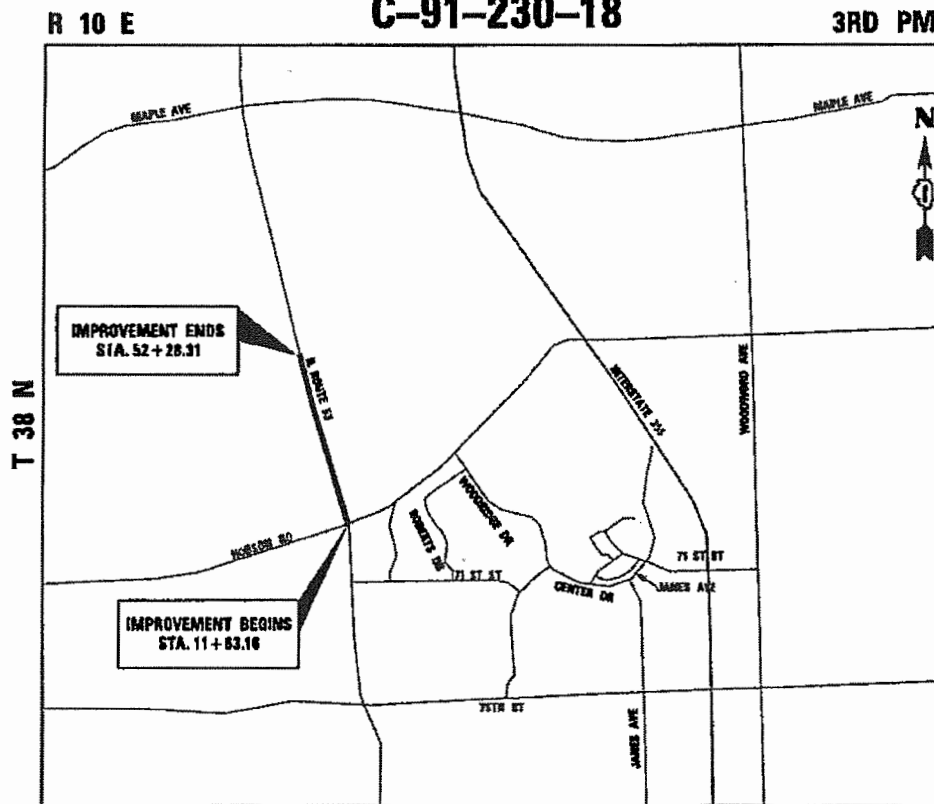
TRAFFIC INFORMATION

CLASSIFICATION	PRINCIPAL ARTERIAL
	IL ROUTE 53
DESIGN SPEED =	50 MPH
POSTED SPEED =	45 MPH
ADT (2016) =	33600
ADT (2030) =	43008



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

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



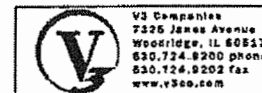
LISLE TOWNSHIP

GROSS AND NET LENGTH:
IL ROUTE 53 4065 FEET (0.77 MILES)

LOCATION MAP
NOT TO SCALE

PROFESSIONAL ENGINEER'S SIGN AND SEAL

JASON D. HOLY, P.E.
#062-059941
EXP. DATE: 2/28/2022
SHEETS: 1-56



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

Approved:

Village of Woodridge, Director of Public Works

Passed: NOV. 10, 2022

District 1 Engineer of Local Roads & Streets

Releasing for Bid Based on Limited Review: November 10, 2021

Gale Rios
Regional Engineer

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

CONTRACT NO. 61F88

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GENERAL NOTES

1. SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS:

ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1, 2016 (HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS); THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", IN EFFECT ON THE DATE OF THE INVITATION OF BIDS; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS, THE "DETAILS" ON THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS. ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST STANDARD OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

2. PROJECT COORDINATION:

THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND VILLAGE AT 630-719-2941 AT LEAST 72 HOURS IN ADVANCE OF BEGINNING WORK AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER. ATTENTION IS CALLED TO SECTION 701 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION. THE STORAGE OF EQUIPMENT AND/OR MATERIALS WITHIN THE RIGHT-OF-WAY OF ANY STREET AND/OR PARK PROPERTY SHALL REQUIRE PRIOR APPROVAL OF THE ENGINEER.

3. TRAFFIC CONTROL AND MAINTENANCE:

THE CONTRACTOR SHALL SCHEDULE HIS/HER WORK SO THAT ONLY ONE TEMPORARY LANE CLOSURE ON ONE STREET IN ONE DIRECTION IS IMPLEMENTED AT A TIME. A LANE CLOSURE WILL ONLY BE PERMITTED DURING CONSTRUCTION OPERATIONS AND IN ACCORDANCE WITH THE APPLICABLE IDOT STANDARDS. THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN ALL SIGNS, BARRICADES AND OTHER TRAFFIC CONTROL DEVICES, INCLUDING FLAGGERS, REQUIRED TO MAINTAIN TRAFFIC FLOW. PORTABLE/CHANGEABLE ELECTRONIC MESSAGE BOARDS SHALL BE USED IN ADVANCE OF THE PROJECT ACCORDING TO IDOT STANDARDS AND SHALL BE IN PLACE A MINIMUM OF 72 HOURS PRIOR TO COMMENCING THE WORK AND REMAIN THROUGHOUT THE ROADWAY CONSTRUCTION WORK. CONTRACTOR TO USE 701601-09 AND 701801-06 DURING THE HOURS OF 9AM TO 3PM. THE CONTRACTOR SHALL CONTACT THE IDOT D1 TRAFFIC CONTROL SUPERVISOR AT (847) 705-4411 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK ON RT 53.

4. SAW CUTTING FOR REMOVAL:

THE CONTRACTOR SHALL MAKE ALL FULL DEPTH SAW CUTS AT THE EDGE OF PAVEMENT ADJACENT TO THE REMOVAL OF ALL CONCRETE CURB OR COMBINATION CONCRETE CURB AND GUTTER. THE CONTRACTOR SHALL MAKE ALL FULL DEPTH SAW CUTS REQUIRED FOR THE REMOVAL OF HMA PAVEMENT, CONCRETE CURB AND GUTTERS, SIDEWALKS, AND DRIVEWAYS AS SPECIFIED, OR AS DIRECTED BY THE ENGINEER. THE COST SHALL BE CONSIDERED INCLUDED IN THE COST FOR REMOVAL OF THE SPECIFIED ITEM IN THE CONTRACT.

5. CLEAN-UP/DISPOSAL/DAMAGE:

A. THE CONTRACTOR SHALL MAINTAIN THE SITE IN A CLEAN AND ORDERLY MANNER. DEBRIS AND ANY SURPLUS MATERIAL SHALL BE REMOVED AND RESTORATION SHALL PROCEED AS THE WORK PROCEEDS. IF THE ENGINEER SO DIRECTS, THE CONTRACTOR SHALL STOP ALL OTHER WORK AND CONCENTRATE ON CLEAN-UP AND RESTORATION. DEBRIS AND SURPLUS MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR OFF-SITE.

B. ANY DAMAGE CAUSED BY THE CONTRACTOR TO EXISTING PAVEMENT, CURB & GUTTER, OR SIDEWALK NOT SHOWN TO BE REMOVED OR WORKED ON DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED.

6. CONSTRUCTION LIMITS:

THE CONTRACTOR SHALL CONFINE OPERATIONS WITHIN THE CONSTRUCTION LIMITS OF THE PROJECT. ANY DAMAGE CAUSED BY THE CONTRACTOR OUTSIDE OF SAID CONSTRUCTION LIMITS SHALL BE REPAIRED.

7. PROPERTY ACCESS:

DURING CONSTRUCTION, ALL SIGNS, BARRICADES AND TEMPORARY PAVEMENT MARKINGS WILL CONFORM TO THE MUTCD AND ILLINOIS MUTCD. VEHICULAR ACCESS TO LOCAL PROPERTIES WILL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION, EXCEPT WHEN CONSTRUCTION OPERATIONS OCCUR DIRECTLY ON OR IN FRONT OF DRIVEWAYS. IN THIS CASE, FLAG PERSONS WILL BE USED TO DIRECT AND CONTROL TRAFFIC.

8. CURB AND GUTTER REPLACEMENT:

THE MINIMUM THICKNESS OF THE PROPOSED GUTTER FLAG SHALL BE 10" UNLESS OTHERWISE STATED IN THE PLANS OR DIRECTED BY THE ENGINEER.

9. PAVEMENT RECONSTRUCTION

A PROOF ROLL OF THE SUBGRADE IS REQUIRED PRIOR TO PLACING THE AGGREGATE SUB-BASE AND MUST BE OBSERVED BY A CERTIFIED TESTING COMPANY.

10. PRIOR TO START OF CONSTRUCTION

CONTRACTOR TO INSTALL TREE PROTECTION AND PERFORM TREE ROOT PRUNNING IN ADVANCE OF ANY SIDEWALK CONSTRUCTION STARTING.

IDOT HIGHWAY STANDARDS	
000001-08	STANDARD SYMBOLS ABBREVIATION AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-05	DIAGONAL CURB RAMPS
424016-05	MIDBLOCK CURB RAMPS
424021-06	DEPRESSED CORNER FOR SIDEWALK
424031-02	MEDIAN PEDESTRIAN CROSSINGS
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600 mm) FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600 mm) FROM PAVEMENT EDGE
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS >= 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS <= 40 MPH
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS

IDOT DISTRICT 1 STANDARDS	
BD08	FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD36	FIRE HYDRANT TO BE MOVED
TC10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC22	ARTERIAL ROAD INFORMATION SIGN
TS05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS
TS07	DETECTOR LOOP INSTALLATION DETAIL FOR ROADWAY RESURFACING

- ALL CALLOUTS ARE BASED ON THE CENTERLINE OF IL 53. BASELINE IS USED FOR THE SIDEWALK PROFILE IN THE PLAN AND PROFILE SHEETS.

11. HANDHOLE RECONSTRUCTION:

THE CONTRACT PLANS HAVE BEEN DESIGNED TO MATCH THE EXISTING HANDHOLE ELEVATIONS THAT FALL WITHIN THE AREAS OF NEW SIDEWALK. IF THERE IS AN ISSUE AND THE GRADES DO NOT WORK THE CONTRACTOR MUST GET AUTHORIZATION TO REBUILD THE HANDHOLE. A QUANTITY HAS BEEN PROVIDED BUT MUST BE APPROVE BY THE ENGINEER BEFORE USING THE ITEM.

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
		20101100	TREE TRUNK PROTECTION	EACH	2
#		20101200	TREE ROOT PRUNING	EACH	2
#		20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	2
		20200100	EARTH EXCAVATION	CU YD	191
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	259
		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	989
		25000210	SEEDING, CLASS 2A	ACRE	0.25
		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	19
		25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	19
		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	19
		25100630	EROSION CONTROL BLANKET	SQ YD	989
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	21
		28000400	PERIMETER EROSION BARRIER	FOOT	1,727
		28000510	INLET FILTERS	EACH	19
		35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	1,400
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	44
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	486
		40604062	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70	TON	34

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	12,610
		42400800	DETECTABLE WARNINGS	SQ FT	245
		44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	97
		44000600	SIDEWALK REMOVAL	SQ FT	1,623
#		56400400	FIRE HYDRANTS TO BE RELOCATED	EACH	2
		60255500	MANHOLES TO BE ADJUSTED	EACH	2
		60600605	CONCRETE CURB, TYPE B	FOOT	110
#	#	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	145
#	#	66900530	SOIL DISPOSAL ANALYSIS	EACH	3
#	#	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1
#	#	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1
#	#	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	5
		67100100	MOBILIZATION	L SUM	1
		70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1
		70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1
		70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1
		70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1
		70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1



V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = jholj
PLOT SCALE = 2.0000' / 1" / 31.5
PLOT DATE = 12/23/2020

DESIGNED - CJF
DRAWN - CJF
CHECKED - JDH
DATE - 11/16/18

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE. 870	SECTION 17-00077-00-SW	COUNTY DUPAGE	TOTAL SHEETS 56	SHEET NO. 4
PROJECT: 08MC(421); JOB: C-91-230-18				
ILLINOIS				

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
		70107025	CHANGEABLE MESSAGE SIGN	CAL DA	70
#		78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	73
#		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	114
#		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	681
#		78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,171
#		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	113
#	#	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	22
#	#	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	316
#	#	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
#	#	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	619
#	#	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	647
#	#	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	23
#		87900200	DRILL EXISTING HANDHOLE	EACH	7
#	#	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
#	#	88600100	DETECTOR LOOP, TYPE I	FOOT	194
#	#	88800100	PEDESTRIAN PUSH-BUTTON	EACH	4
#		89502200	MODIFY EXISTING CONTROLLER	EACH	2
#	#	89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	2



V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = jholly
PLOT SCALE = 2.0000' / 1" / 10'
PLOT DATE = 12/23/2020

DESIGNED - CJF
DRAWN - CJF
CHECKED - JDH
DATE - 11/16/18

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	17-00077-00-SW	DUPAGE	56	5
PROJECT: 08MC(421); JOB: C-91-230-18				
ILLINOIS				

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
#	#	89502376	REBUILD EXISTING HANDHOLE	EACH	3
	#	X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1,461
#	#	X1400201	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	1
#	#	X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
	#	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	119
	#	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	1
#	#	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
	#	Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	291
	#	Z0013798	CONSTRUCTION LAYOUT	L SUM	1
	#	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	43
#	#	Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	2



USER NAME = jholy	DESIGNED - CJF	REVISED -
PLOT SCALE = 2.0000' / 1"	DRAWN - CJF	REVISED -
PLOT DATE = 12/23/2020	CHECKED - JDH	REVISED -
	DATE - 11/16/18	REVISED -

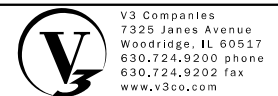
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE:	SHEET 4 OF 4 SHEETS	STA. _____ TO STA. _____
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F.A.P. RTE. 870	SECTION 17-00077-00-SW	COUNTY DUPAGE	TOTAL SHEETS 56	SHEET NO. 6
PROJECT: 08MC1421; JOB: C-91-230-18				
ILLINOIS				

ROUTE 53 EARTHWORK TABLE					
STATION	VOLUME CUT	VOLUME TOPSOIL	VOLUME FILL	CUT SHRINKAGE FACTOR	TOPSOIL STRIP SHRINKAGE
	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD (15%)	CUBIC YARD (15%)
13+00.00					
14+00.00	-10.87	-4.93	0.00	-12.50	-5.66
15+00.00	-7.39	-5.61	0.00	-8.50	-6.45
16+00.00	-10.98	-11.17	0.00	-12.63	-12.84
17+00.00	-3.59	-5.56	0.00	-4.13	-6.39
18+00.00	-2.78	-5.11	0.00	-3.19	-5.88
19+00.00	-4.94	-10.00	1.85	-5.69	-11.50
20+00.00	-3.46	-8.98	2.89	-3.98	-10.33
21+00.00	-1.96	-7.57	3.11	-2.26	-8.71
22+00.00	-4.50	-10.78	2.07	-5.18	-12.39
Omission					
36+00.00					
37+00.00	-8.72	-9.11	0.00	-10.03	-10.48
38+00.00	-5.06	-8.61	0.00	-5.81	-9.90
39+00.00	-4.15	-9.15	0.00	-4.77	-10.52
40+00.00	-5.46	-10.37	0.00	-6.28	-11.93
41+00.00	-6.13	-10.63	0.00	-7.05	-12.22
42+00.00	-3.11	-5.31	0.00	-3.58	-6.11
43+00.00	-3.63	-5.56	0.00	-4.17	-6.39
44+00.00	-7.04	-10.04	0.00	-8.09	-11.54
45+00.00	-5.74	-9.39	0.00	-6.60	-10.80
46+00.00	-6.15	-10.46	0.00	-7.07	-12.03
47+00.00	-9.50	-11.11	0.00	-10.93	-12.78
48+00.00	-9.56	-11.11	0.00	-10.99	-12.78
49+00.00	-7.74	-11.11	0.00	-8.90	-12.78
50+00.00	-6.74	-10.81	0.00	-7.75	-12.44
51+00.00	-8.72	-10.81	0.00	-10.03	-12.44
52+00.00	-10.09	-11.19	0.00	-11.61	-12.86
	TOTAL CUT	TOTAL TOPSOIL STRIP	TOTAL FILL	TOTAL CUT WITH SNRINKAGE	TOTAL TOPSOIL STRIP WITH SHRINKAGE
SUM	-158.02	-224.48	9.93	-181.72	-258.15

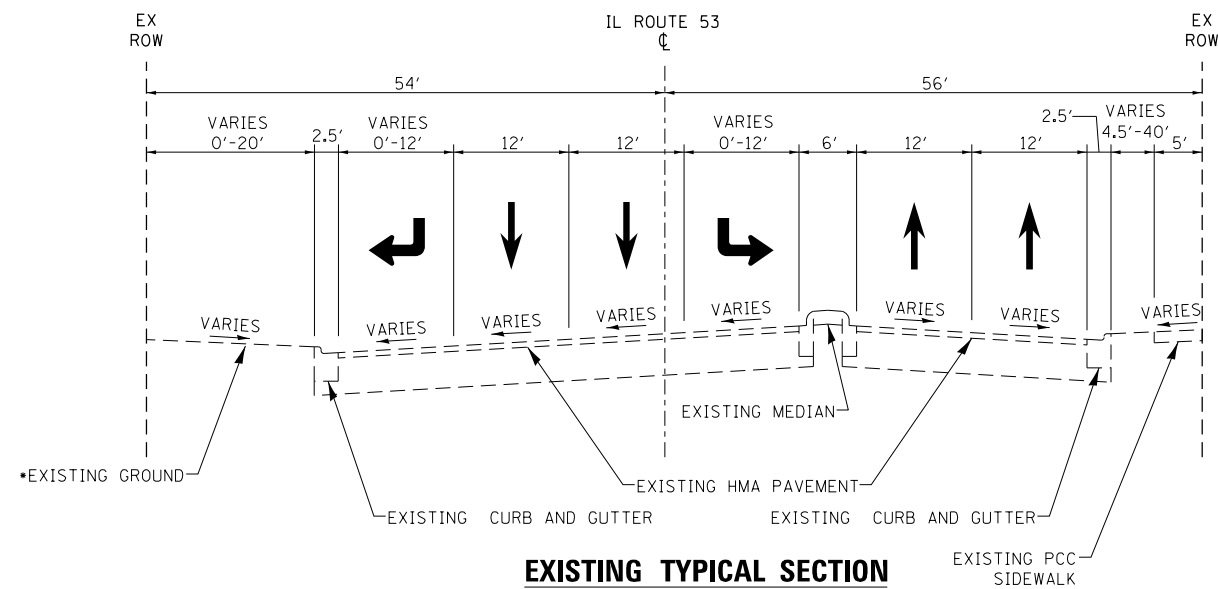


USER NAME = jshly	DESIGNED - CJF	REVISED -
	DRAWN - CJF	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - JDH	REVISED -
PLOT DATE = 12/23/2020	DATE - 11/16/18	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

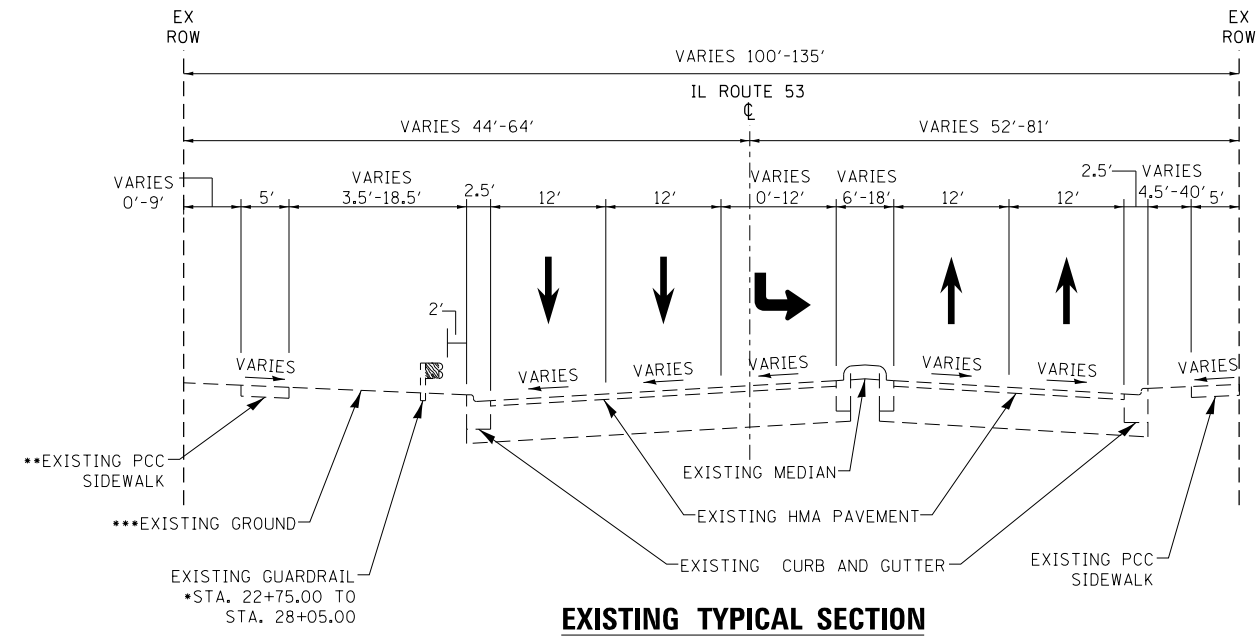
EARTHWORK TABLE				
SCALE: NTS	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	17-00077-00-SW	DUPAGE	56	7
PROJECT: 08MC(421); JOB: C-91-230-18				
ILLINOIS Contract No. 61F88				



EXISTING TYPICAL SECTION

STA. 35+43.56 TO STA. 39+57.29, IL ROUTE 53
 STA. 42+62.84 TO STA. 46+82.64, IL ROUTE 53



EXISTING TYPICAL SECTION

STA. 12+96.31 TO STA. 35+43.56, IL ROUTE 53
 STA. 39+57.29 TO STA. 42+62.84, IL ROUTE 53
 STA. 46+82.64 TO STA. 52+21.48, IL ROUTE 53

• THE EXISTING GROUND DRAINS TOWARDS THE R.O.W IN SOME AREAS AND TOWARDS THE BACK OF CURB IN OTHERS.

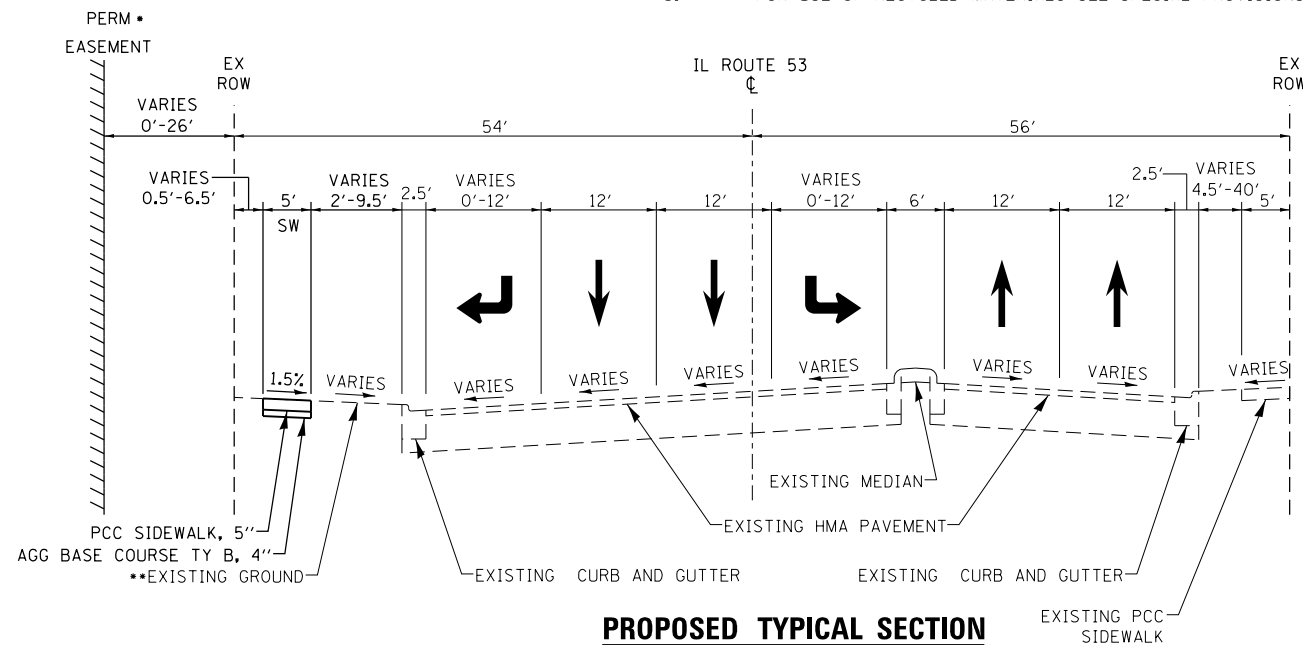
NOTE

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY SPECIAL PROVISIONS.
3. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

HOT-MIX ASPHALT REQUIREMENTS

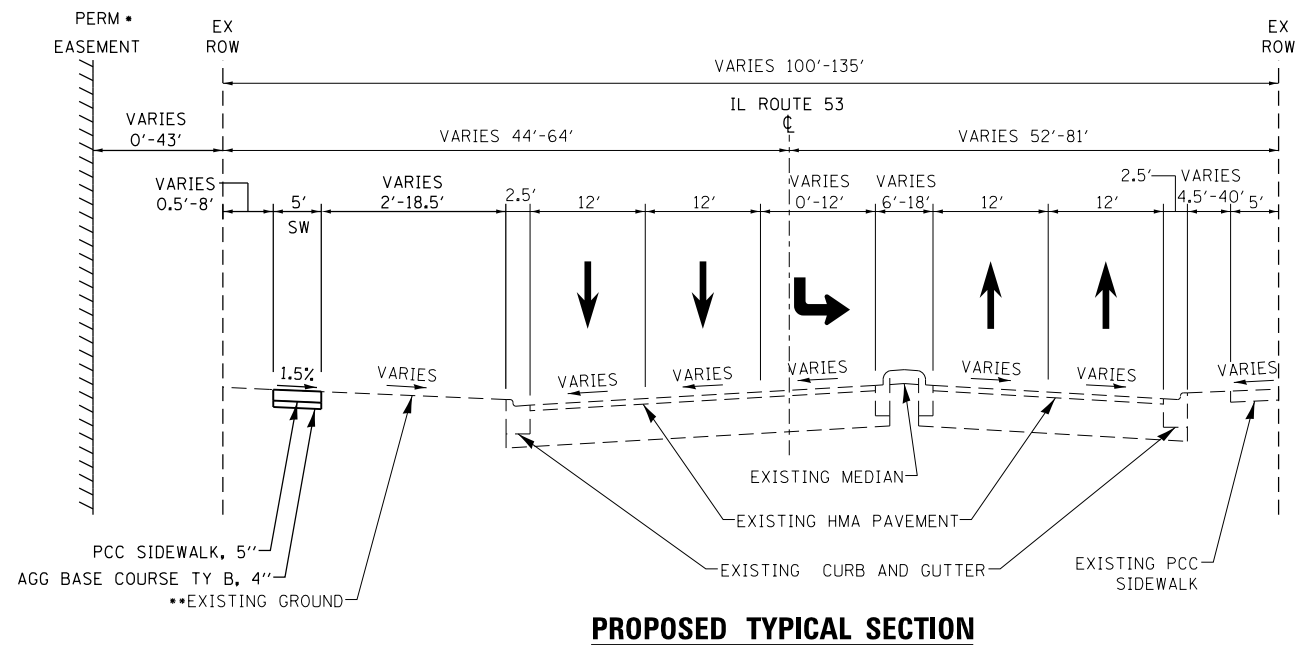
MIXTURE TYPE	VOIDS
HOBSON ROAD & ENTRANCES	
HMA SURFACE COURSE, MIX "D", N70 (IL-9.5mm), 2" & VARIABLE DEPTH	4% @ 70 GYR

- STATIONS FOR GUARDRAIL ARE APPROXIMATE
- EXISTING PCC SIDEWALK
 STA. 13+00.70 TO STA. 14+83.75
 STA. 21+93.43 TO STA. 35+46.14
- THE EXISTING GROUND DRAINS TOWARDS THE R.O.W IN SOME AREAS AND TOWARDS THE BACK OF CURB IN OTHERS.



PROPOSED TYPICAL SECTION

STA. 35+43.56 TO STA. 39+57.29, IL ROUTE 53
 STA. 42+70.00 TO STA. 46+82.64, IL ROUTE 53



PROPOSED TYPICAL SECTION

STA. 12+96.31 TO STA. 22+25.14, IL ROUTE 53
 STA. 34+46.16 TO STA. 35+43.56, IL ROUTE 53
 STA. 39+57.29 TO STA. 42+70.00, IL ROUTE 53
 STA. 46+82.64 TO STA. 52+21.48, IL ROUTE 53

• PERMANENT EASEMENT
 STA. 42+70.00 TO STA. 43+32.98

• PERMANENT EASEMENT
 STA. 41+59.91 TO STA. 42+70.00

•• THE EXISTING GROUND DRAINS TOWARDS THE R.O.W IN SOME AREAS AND TOWARDS THE BACK OF CURB IN OTHERS. THE PROPOSED SIDEWALK WILL MATCH EXISTING GRADE AND WILL CONTINUE TO DRAIN THE SAME DIRECTION AS THE EXISTING GROUND.

•• THE EXISTING GROUND DRAINS TOWARDS THE R.O.W IN SOME AREAS AND TOWARDS THE BACK OF CURB IN OTHERS. THE PROPOSED SIDEWALK WILL MATCH EXISTING GRADE AND WILL CONTINUE TO DRAIN THE SAME DIRECTION AS THE EXISTING GROUND.



USER NAME = cshwarzer
 DESIGNED - CJF
 DRAWN - CJF
 CHECKED - JDH
 DATE - 11/16/18
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 12/23/2020

DESIGNED - CJF
 DRAWN - CJF
 CHECKED - JDH
 DATE - 11/16/18

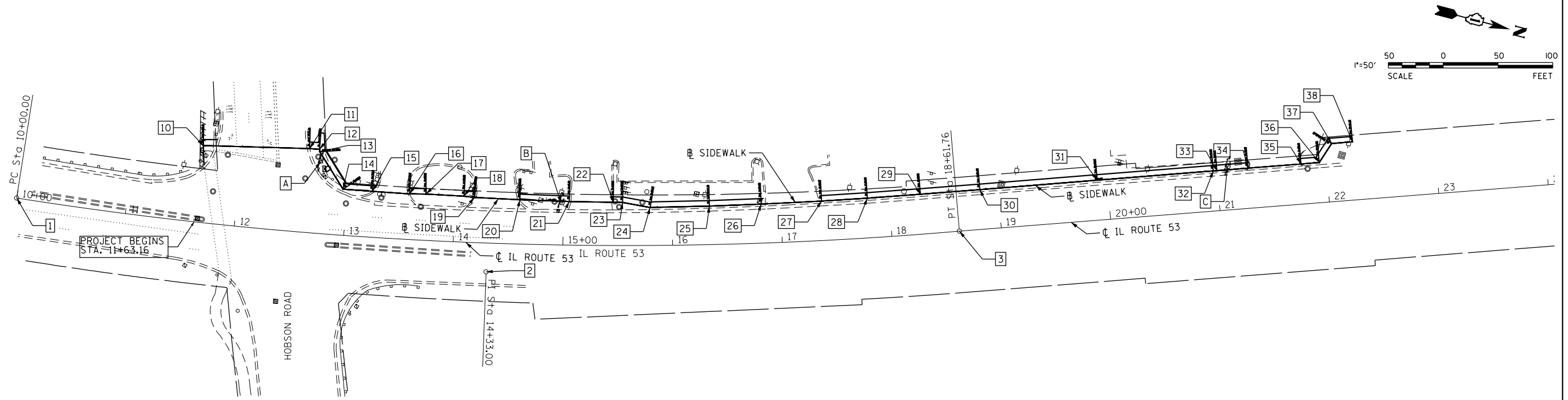
REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	17-00077-00-SW	DUPAGE	56	8
PROJECT: 08MC(421); JOB: C-91-230-18				
ILLINOIS Contract No. 61F88				



BENCHMARK

STATION DESIGNATION: A
 ESTABLISHED BY: V3
 DATE: 5/19/17
 N: 1057326.676
 E: 185557.998
 ELEV: 690.245
 DATUM: NAVD88
 DESCRIPTION: WEST SIDE OF SIGNAL
 POLE FOUNDATION AT THE NORTHWEST
 CORNER ON HOBSON ROAD AND ROUTE 53

STATION DESIGNATION: B
 ESTABLISHED BY: V3
 DATE: 5/19/17
 N: 1057307.798
 E: 1855779.487
 ELEV: 697.197
 DATUM: NAVD88
 DESCRIPTION: SOUTHEAST FLANG BOLT
 OF FIRE HYDRANT ON THE WEST
 OF ROUTE 53

STATION DESIGNATION: C
 ESTABLISHED BY: V3
 DATE: 5/19/17
 N: 1057121.499
 E: 1856358.559
 ELEV: 689.117
 DATUM: NAVD88
 DESCRIPTION: SOUTHWEST FLANG BOLT
 OF FIRE HYDRANT ON THE WEST
 OF ROUTE 53

SIDEWALK BASELINE

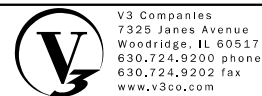
KEY	DESCRIPTION	STATION	COORDINATES	
			NORTHING	EASTING
10	POT	11+64.35	1855450.85	1057339.72
11	PI	12+61.34	1855545.33	1057317.79
12	PI	12+70.41	1855554.25	1057316.19
13	PI	12+72.51	1855554.90	1057318.20
14	PI	13+12.69	1855584.03	1057345.86
15	PI	13+39.53	1855610.44	1057341.07
16	PI	13+73.52	1855643.85	1057334.78
17	PI	13+88.52	1855658.37	1057331.05
18	PI	14+23.29	1855692.47	1057324.19
19	PI	14+32.64	1855701.73	1057322.95
20	PI	14+74.26	1855742.45	1057314.36
21	PI	15+19.33	1855786.47	1057304.68
22	PI	15+59.50	1855825.48	1057295.13
23	PI	15+67.90	1855833.65	1057293.12
24	PI	15+93.37	1855859.05	1057291.19
25	PI	16+47.35	1855910.95	1057276.39
26	PI	16+94.63	1855956.19	1057262.62
27	PI	17+49.72	1856008.72	1057246.05
28	PI	17+91.60	1856048.52	1057232.99
29	PI	18+40.01	1856094.30	1057217.28
30	PI	18+94.33	1856145.62	1057199.45
31	PI	20+01.67	1856246.97	1057164.12
32	PI	21+07.83	1856347.23	1057129.20
33	PI	21+11.11	1856350.33	1057128.12
34	PI	21+39.48	1856377.12	1057118.79
35	PI	21+88.10	1856423.03	1057102.79
36	PI	22+04.67	1856438.69	1057097.38
37	PI	22+25.32	1856445.20	1057077.78
38	POT	22+44.32	1856463.12	1057071.46

SIDEWALK BASELINE

KEY	DESCRIPTION	STATION	COORDINATES	
			NORTHING	EASTING
39	POT	34+38.08	1857620.39	1056677.77
40	PI	34+48.19	1857628.68	1056671.99
41	PI	35+35.02	1857707.10	1056634.71
42	PC	35+44.69	1857715.55	1056630.01
43	PI	35+57.10	1857727.54	1056633.24
44	PT	35+69.18	1857739.84	1056631.48
45	PI	35+78.25	1857748.70	1056629.58
46	PI	38+16.31	1857973.57	1056551.45
47	PI	38+52.48	1858007.93	1056540.12
48	PI	39+71.80	1858123.15	1056509.13
49	PI	41+47.85	1858290.98	1056455.97
50	PI	41+82.40	1858313.59	1056429.84
51	PI	41+83.92	1858313.32	1056428.34
52	PI	42+70.83	1858392.25	1056391.99
53	PC	42+89.36	1858410.20	1056396.59
54	PI	43+16.18	1858436.18	1056403.26
55	PT	43+41.77	1858462.01	1056396.04
56	PI	45+28.96	1858642.03	1056344.72
57	PI	46+57.95	1858767.40	1056314.36
58	POT	52+24.22	1859315.83	1056173.34

IL ROUTE 53 CENTERLINE

KEY	DESCRIPTION	STATION	COORDINATES	
			NORTHING	EASTING
1	POT/PC	10+00.00	1855298.41	1057428.99
2	PI	14+33.00	1855729.24	1057385.72
3	PT	18+61.76	1856137.26	1057240.79
4	PC	37+50.78	1857921.65	1056620.83
5	PI	42+58.09	1858400.84	1056454.35
6	PT	47+64.77	1858892.14	1056328.01
7	POT	56+00.10	1859701.15	1056119.98



V3 Companies
 7325 Janes Avenue
 Woodridge, IL 60517
 630.724.9200 phone
 630.724.9202 fax
 www.v3co.com

USER NAME = j_holy
 DESIGNED - CJF
 DRAWN - CJF
 CHECKED - JDH
 DATE - 11/16/18

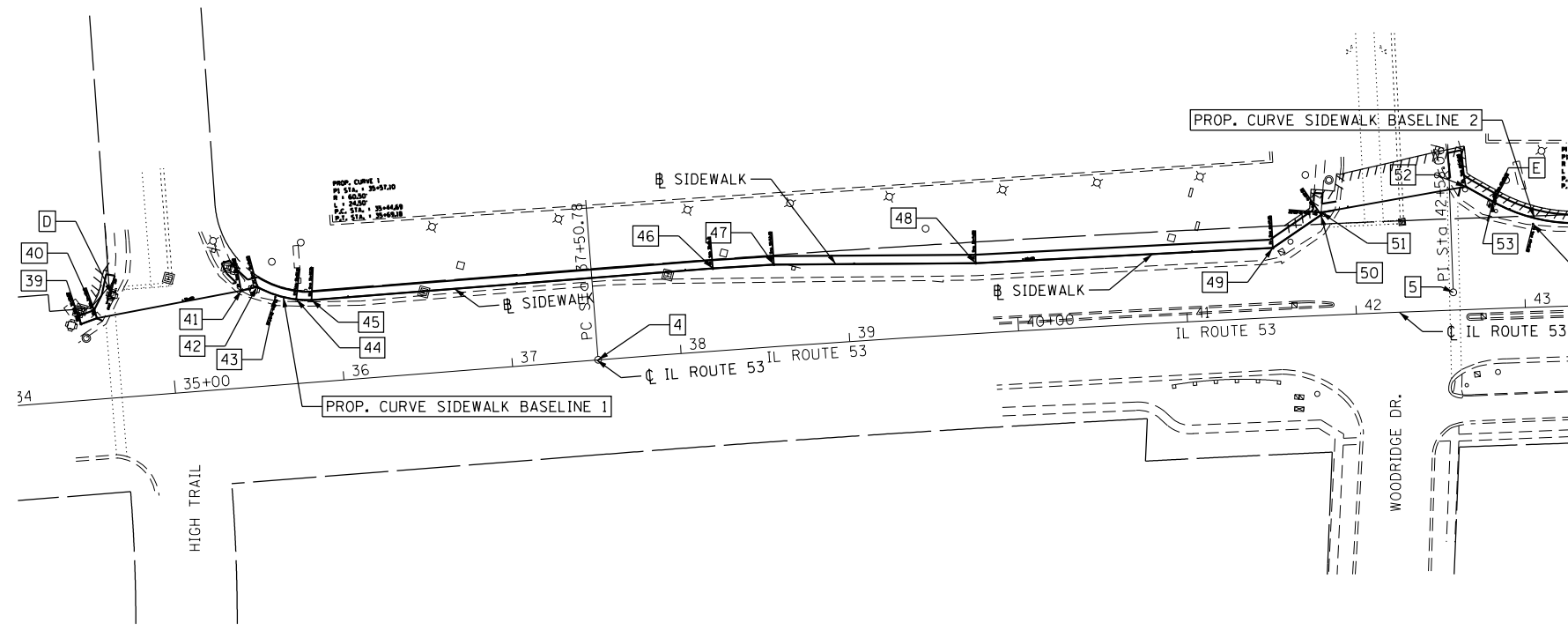
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

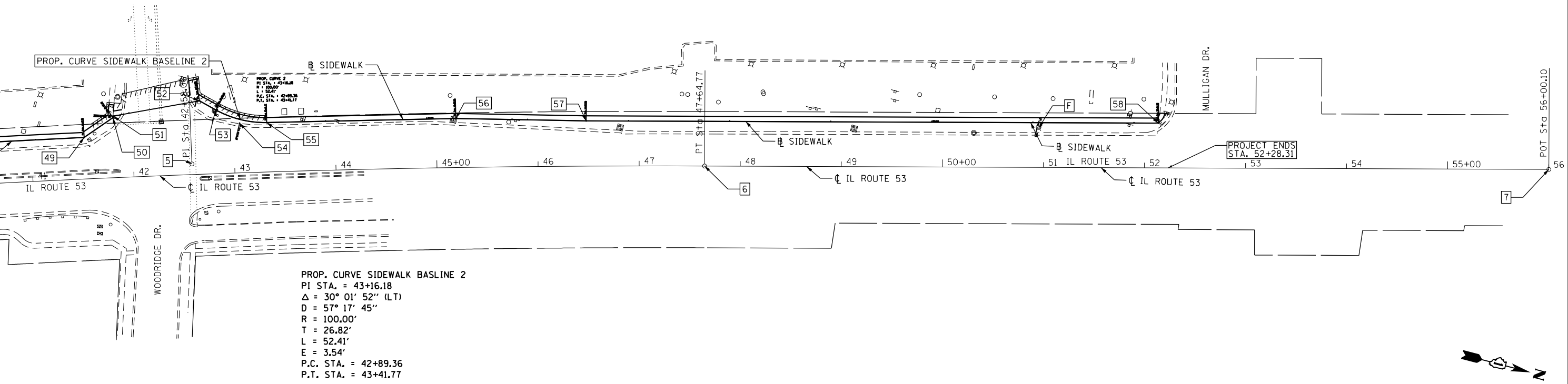
ALIGNMENT, TIES, AND BENCHMARKS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	17-00077-00-SW	DUPAGE	56	9
PROJECT: 08MC(421); JOB: C-91-230-18				
ILLINOIS Contract No. 61F88				



PROP. CURVE SIDEWALK BASELINE 1
 PI STA. = 35+57.10
 $\Delta = 23^\circ 12' 01''$ (LT)
 $D = 94^\circ 42' 14''$
 $R = 60.50'$
 $T = 12.42'$
 $L = 24.50'$
 $E = 1.26'$
 P.C. STA. = 35+44.69
 P.T. STA. = 35+69.18



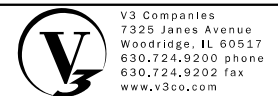
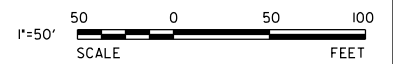
PROP. CURVE SIDEWALK BASLINE 2
 PI STA. = 43+16.18
 $\Delta = 30^\circ 01' 52''$ (LT)
 $D = 57^\circ 17' 45''$
 $R = 100.00'$
 $T = 26.82'$
 $L = 52.41'$
 $E = 3.54'$
 P.C. STA. = 42+89.36
 P.T. STA. = 43+41.77

BENCHMARK

STATION DESIGNATION: D
 ESTABLISHED BY: V3
 DATE: 5/19/17
 N: 1056656.037
 E: 1857633.577
 ELEV: 671.605
 DATUM: NAVD88
 DESCRIPTION: WEST SIDE OF SIGNAL
 POLE FOUNDATION AT THE SOUTHWEST
 CORNER ON SEVEN BRIDGES DRIVE AND
 ROUTE 53

STATION DESIGNATION: E
 ESTABLISHED BY: V3
 DATE: 5/19/17
 N: 1056399.124
 E: 1858409.938
 ELEV: 670.946
 DATUM: NAVD88
 DESCRIPTION: CUT CROSS ON HANDHOLE
 NORTHWEST CORNER OF WOODRIDGE DRIVE
 AND ROUTE 53

STATION DESIGNATION: F
 ESTABLISHED BY: V3
 DATE: 5/19/17
 N: 1056902.067
 E: 1858692.000
 ELEV: 697.509
 DATUM: NAVD88
 DESCRIPTION: NORTHEAST FLANG BOLT
 OF FIRE HYDRANT ON THE WEST
 OF ROUTE 53



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 Woodridge, IL 60517
 630.724.9200 phone
 630.724.9202 fax
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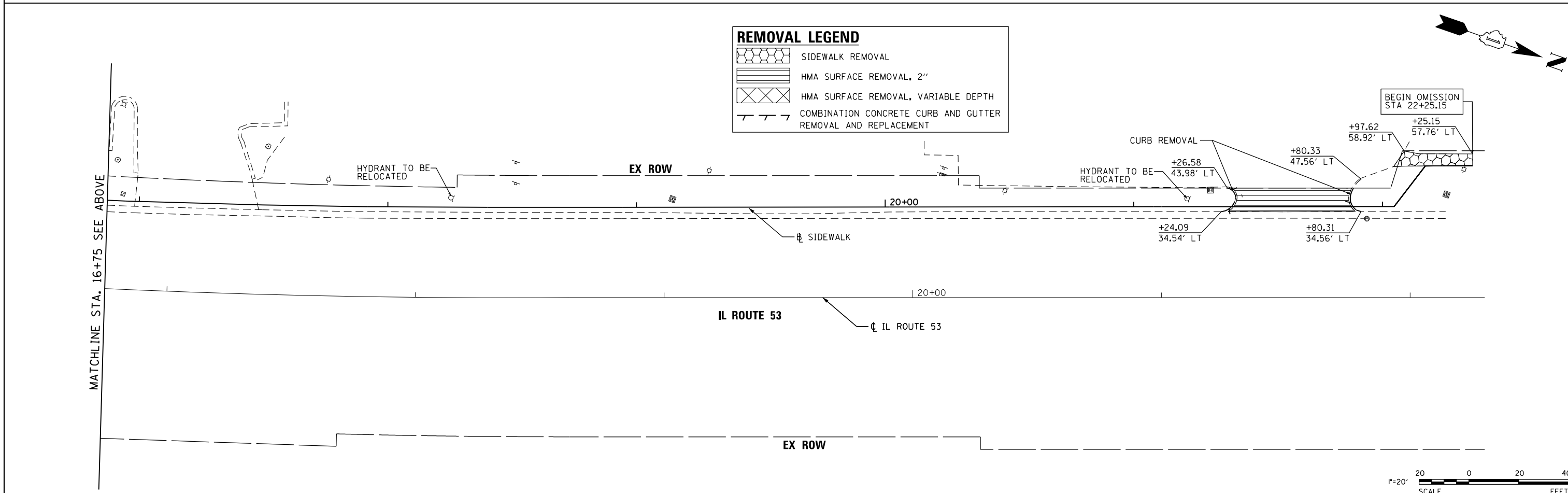
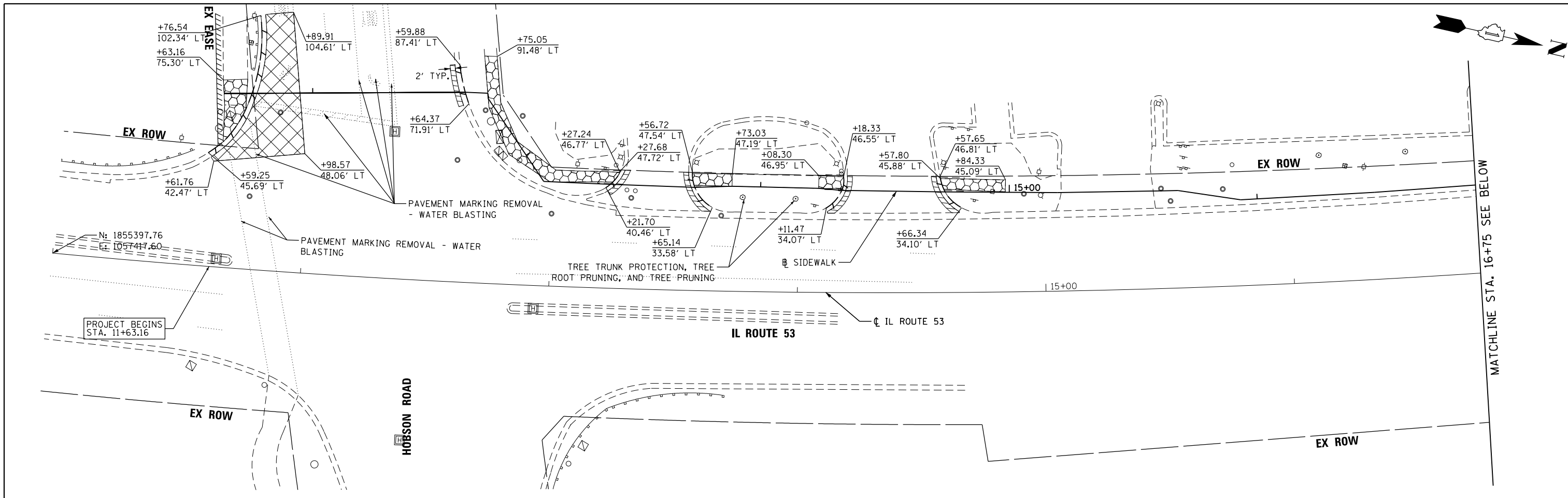
USER NAME = jshly	DESIGNED - CJF	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - CJF	REVISED -
PLOT DATE = 12/23/2020	CHECKED - JDH	REVISED -
	DATE - 11/16/18	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES, AND BENCHMARKS

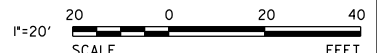
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	17-00077-00-SW	DUPAGE	56	10
PROJECT: 08MC(421); JOB: C-91-230-18				
ILLINOIS Contract No. 61F88				

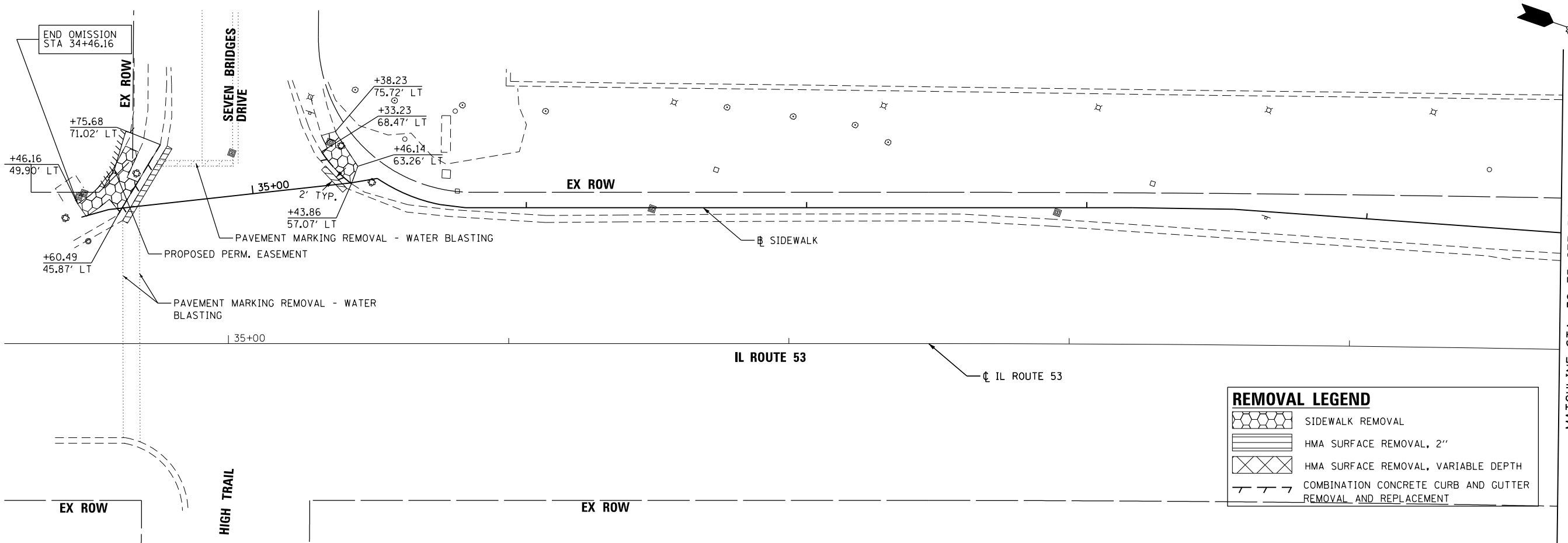


REMOVAL LEGEND

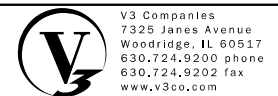
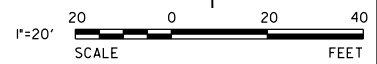
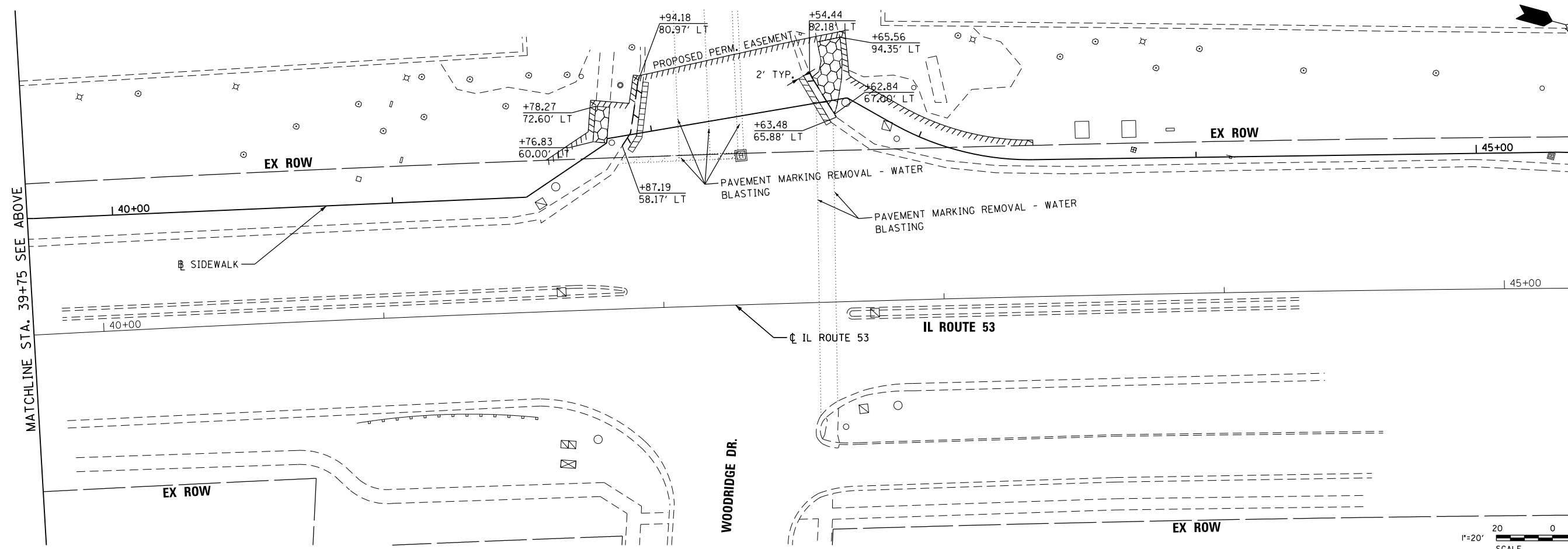
	SIDEWALK REMOVAL
	HMA SURFACE REMOVAL, 2"
	HMA SURFACE REMOVAL, VARIABLE DEPTH
	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT



V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = jholly	DESIGNED - CJF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING CONDITIONS AND REMOVAL PLAN		F.A.P. RTE. = 870	SECTION = 17-00077-00-SW	COUNTY = DUPAGE	TOTAL SHEETS = 56	SHEET NO. = 11	
	PLOT SCALE = 40.0000' / in.	CHECKED - JDH	REVISED -		SCALE: 1" = 20'	SHEET 1 OF 3 SHEETS	STA. 11+00.00 TO STA. 22+30.00	PROJECT: 08MC(421); JOB: C-91-230-18 ILLINOIS Contract No. 61F88				
	PLOT DATE = 12/23/2020	DATE = 11/16/18	REVISED -									



REMOVAL LEGEND	
	SIDEWALK REMOVAL
	HMA SURFACE REMOVAL, 2"
	HMA SURFACE REMOVAL, VARIABLE DEPTH
	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT



USER NAME = jholj	DESIGNED - CJF	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - CJF	REVISED -
PLOT DATE = 12/23/2020	CHECKED - JDH	REVISED -
	DATE - 11/16/18	REVISED -

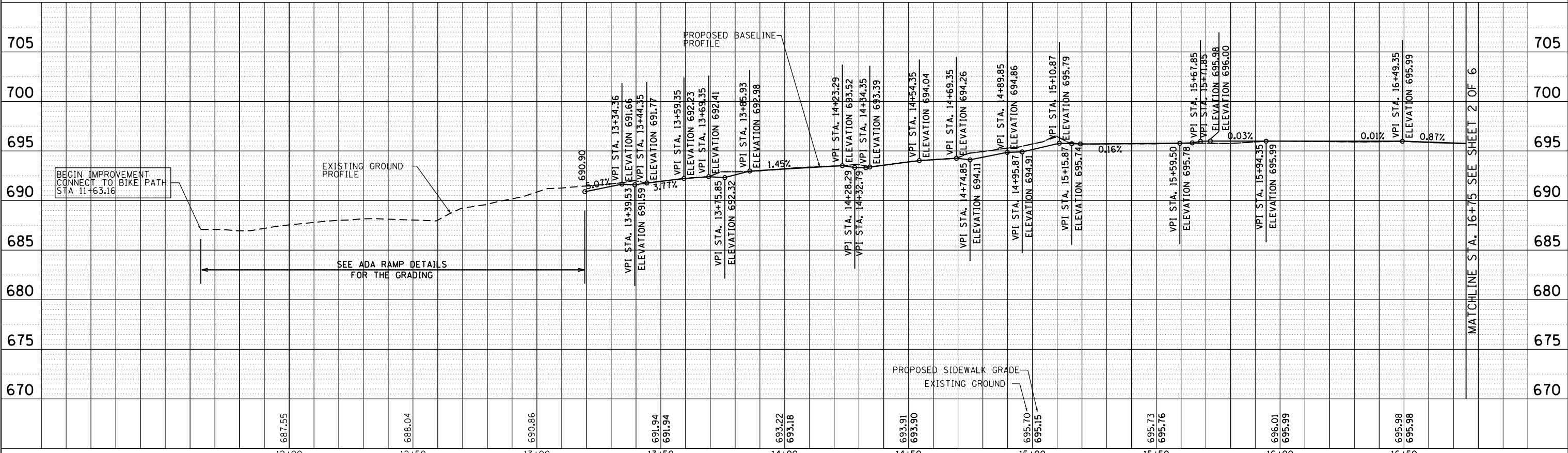
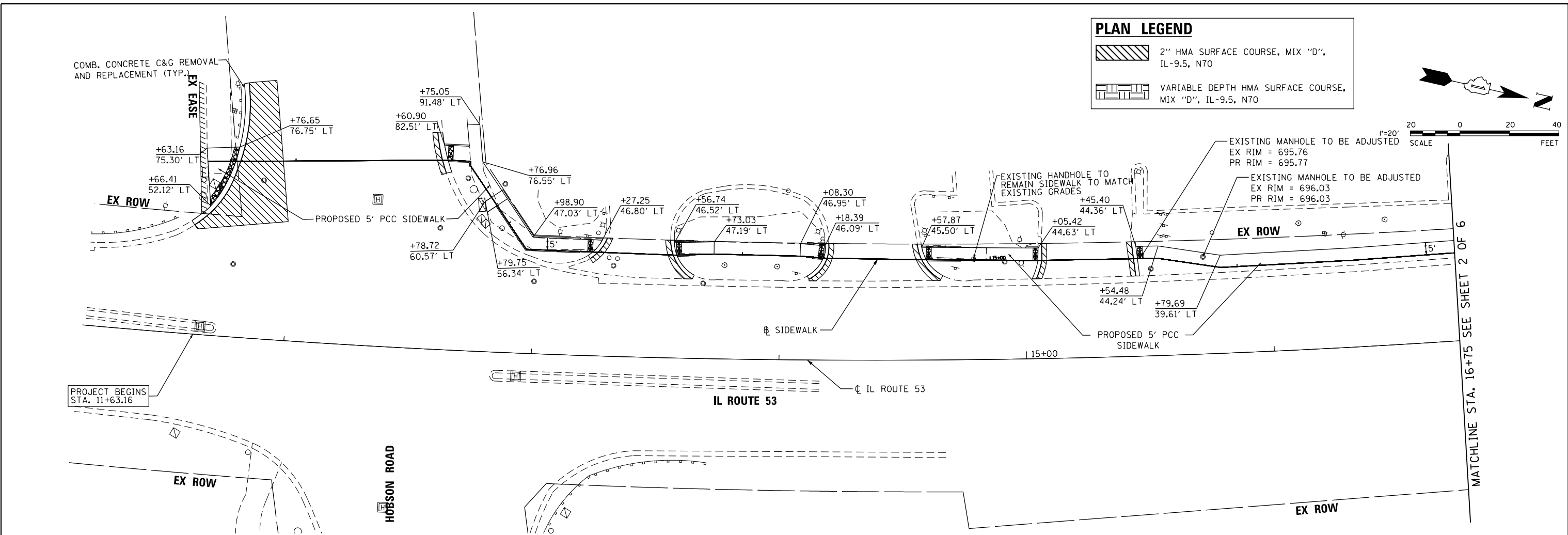
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING CONDITIONS AND REMOVAL PLAN

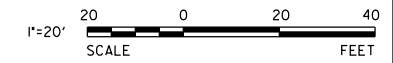
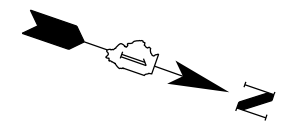
SCALE: 1"=20' SHEET 2 OF 3 SHEETS STA. 34+20.00 TO STA. 45+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	17-00077-00-SW	DUPAGE	56	12

PROJECT: 08MC(421); JOB: C-91-230-18
ILLINOIS Contract No. 61F88

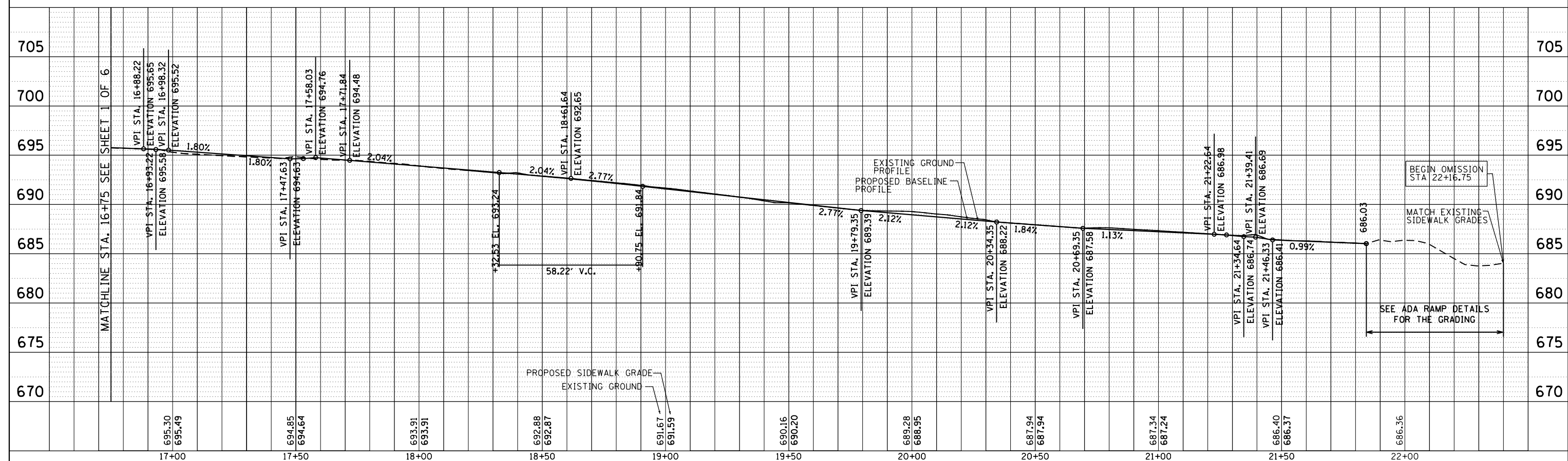
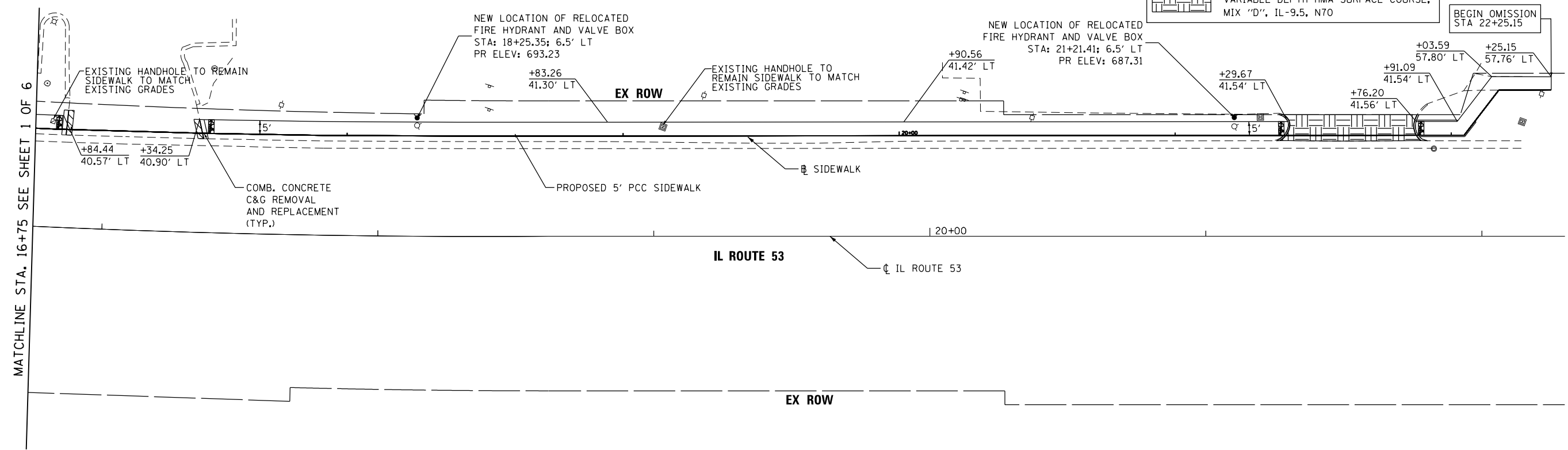


V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = j_holy	DESIGNED - EIH DRAWN - EIH CHECKED - MJR DATE - 11/16/18	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE SCALE: 1"=20' SHEET 1 OF 6 SHEETS STA. 11+00.00 TO STA. 16+75.00	F.A.U. RTE. 870	SECTION 17-00077-00-SW	COUNTY DUPAGE	TOTAL SHEETS 56	SHEET NO. 14
	PLOT SCALE = 48.0000' / in. PLOT DATE = 12/23/2020	PROJECT: 08MC(421); JOB: C-91-230-18 ILLINOIS Contract No. 61F88								

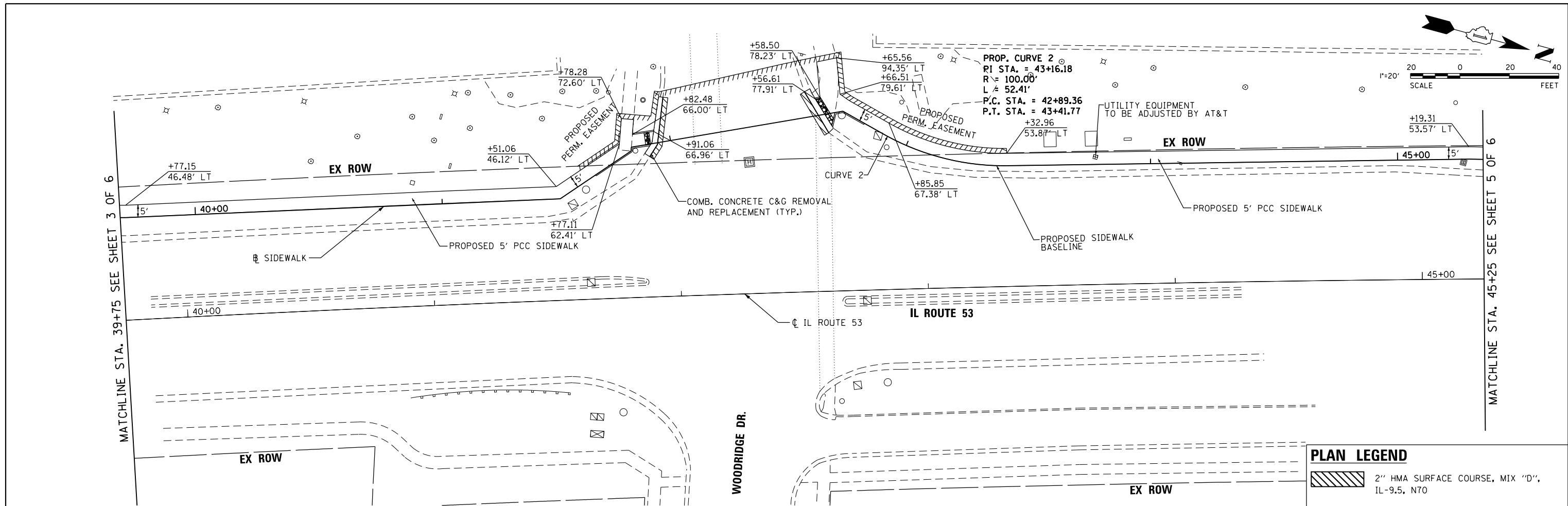


PLAN LEGEND

	2" HMA SURFACE COURSE, MIX "D", IL-9.5, N70
	VARIABLE DEPTH HMA SURFACE COURSE, MIX "D", IL-9.5, N70

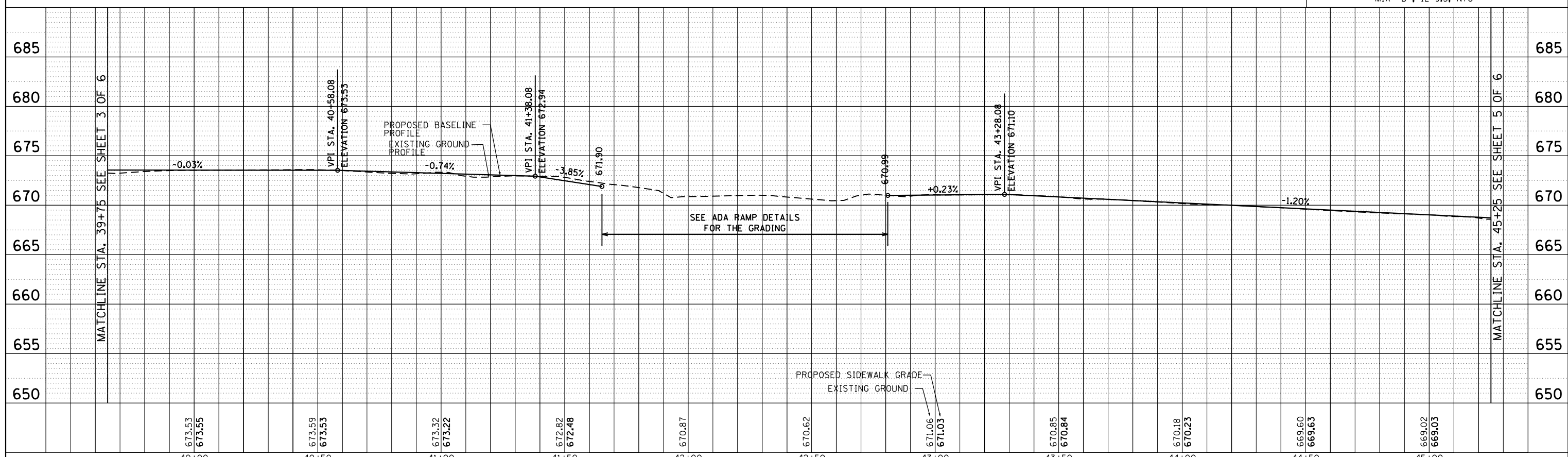


 V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = jholly	DESIGNED - EIH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE SCALE: 1"=20' SHEET 2 OF 6 SHEETS STA. 16+75.00 TO STA. 22+33.00	F.A.U. RTE. 870	SECTION 17-00077-00-SW	COUNTY DUPAGE	TOTAL SHEETS 56	SHEET NO. 15
	PLOT SCALE = 48.0000' / in.	CHECKED - MJR	REVISED -			PROJECT: 08MC(421); JOB: C-91-230-18				
	PLOT DATE = 12/23/2020	DATE = 11/16/18	REVISED -			ILLINOIS Contract No. 61F88				

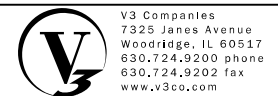


PLAN LEGEND

	2" HMA SURFACE COURSE, MIX "D", IL-9.5, N70
	VARIABLE DEPTH HMA SURFACE COURSE, MIX "D", IL-9.5, N70



673.53 673.55	673.59 673.53	673.32 673.22	672.82 672.48	670.87	670.62	671.06 671.03	670.85 670.84	670.18 670.23	669.60 669.63	669.02 669.03
40+00	40+50	41+00	41+50	42+00	42+50	43+00	43+50	44+00	44+50	45+00





USER NAME = jshah
 DESIGNED - EIH
 DRAWN - EIH
 CHECKED - MJR
 DATE - 11/16/18

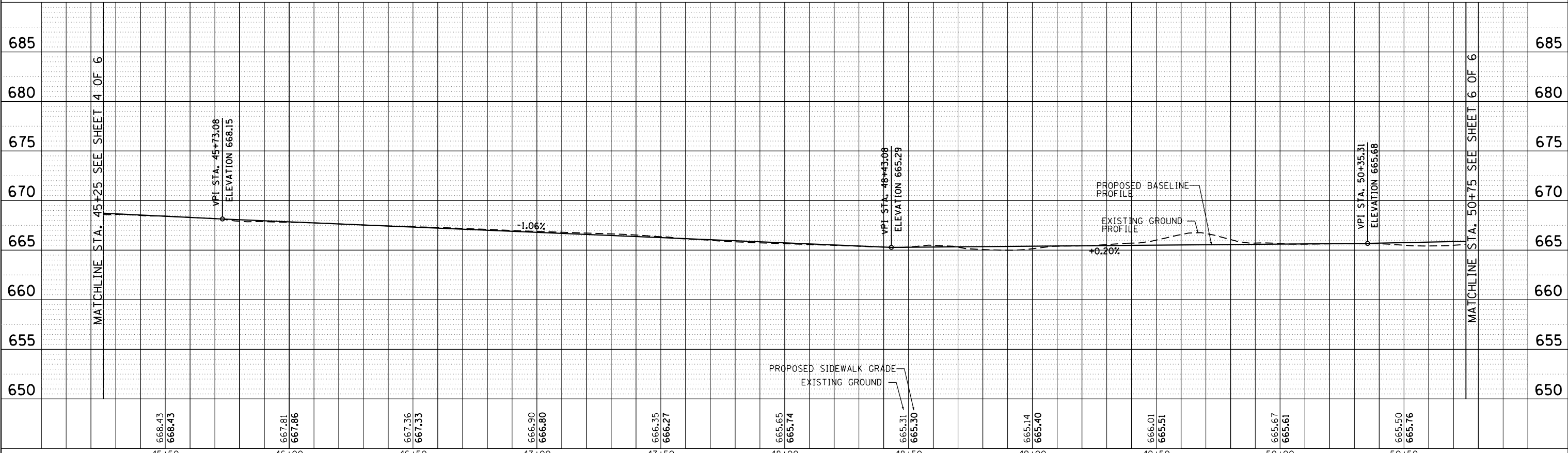
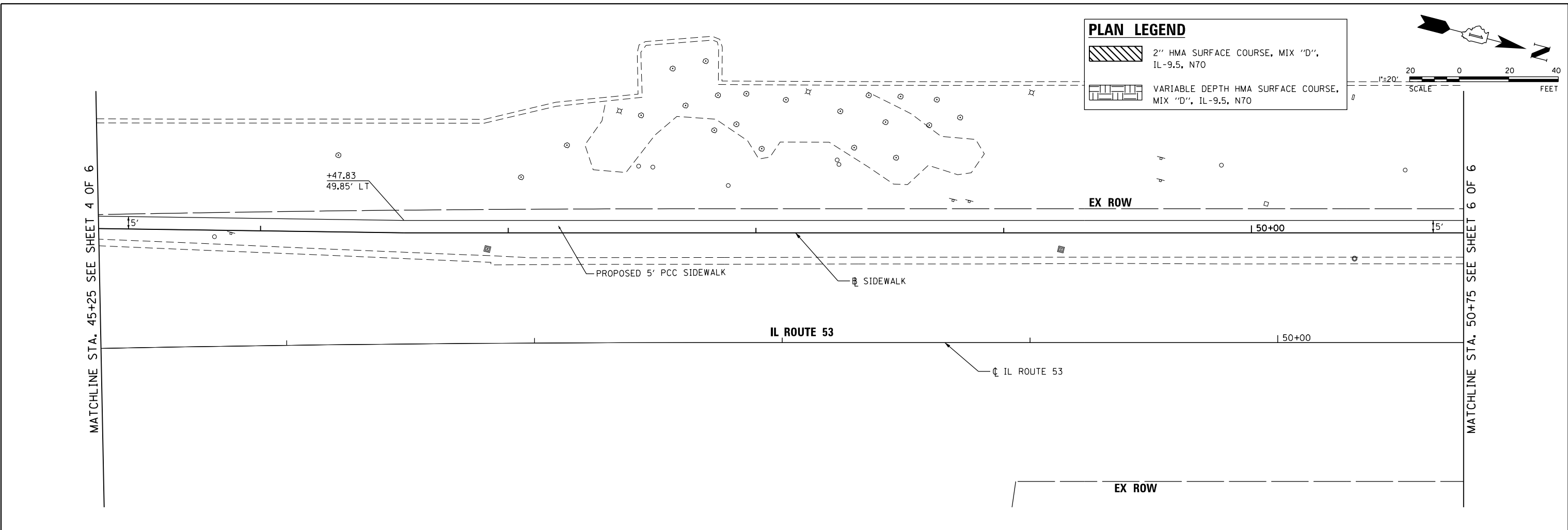
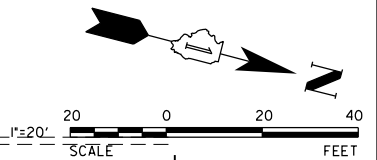
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
 SCALE: 1"=20'
 SHEET 4 OF 6 SHEETS
 STA. 39+75.00 TO STA. 45+25.00

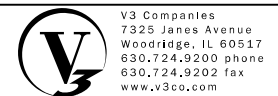
F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	17-00077-00-SW	DUPAGE	56	17
PROJECT: 08MC(421); JOB: C-91-230-18				
ILLINOIS Contract No. 61F88				

PLAN LEGEND

-  2" HMA SURFACE COURSE, MIX "D", IL-9.5, N70
-  VARIABLE DEPTH HMA SURFACE COURSE, MIX "D", IL-9.5, N70



668.43	668.43	667.81	667.86	667.36	667.33	666.90	666.80	666.35	666.27	665.65	665.74	665.31	665.30	665.14	665.40	666.01	665.51	665.67	665.61	665.50	665.76
45+50	46+00	46+50	47+00	47+50	48+00	48+50	49+00	49+50	50+00	50+50											

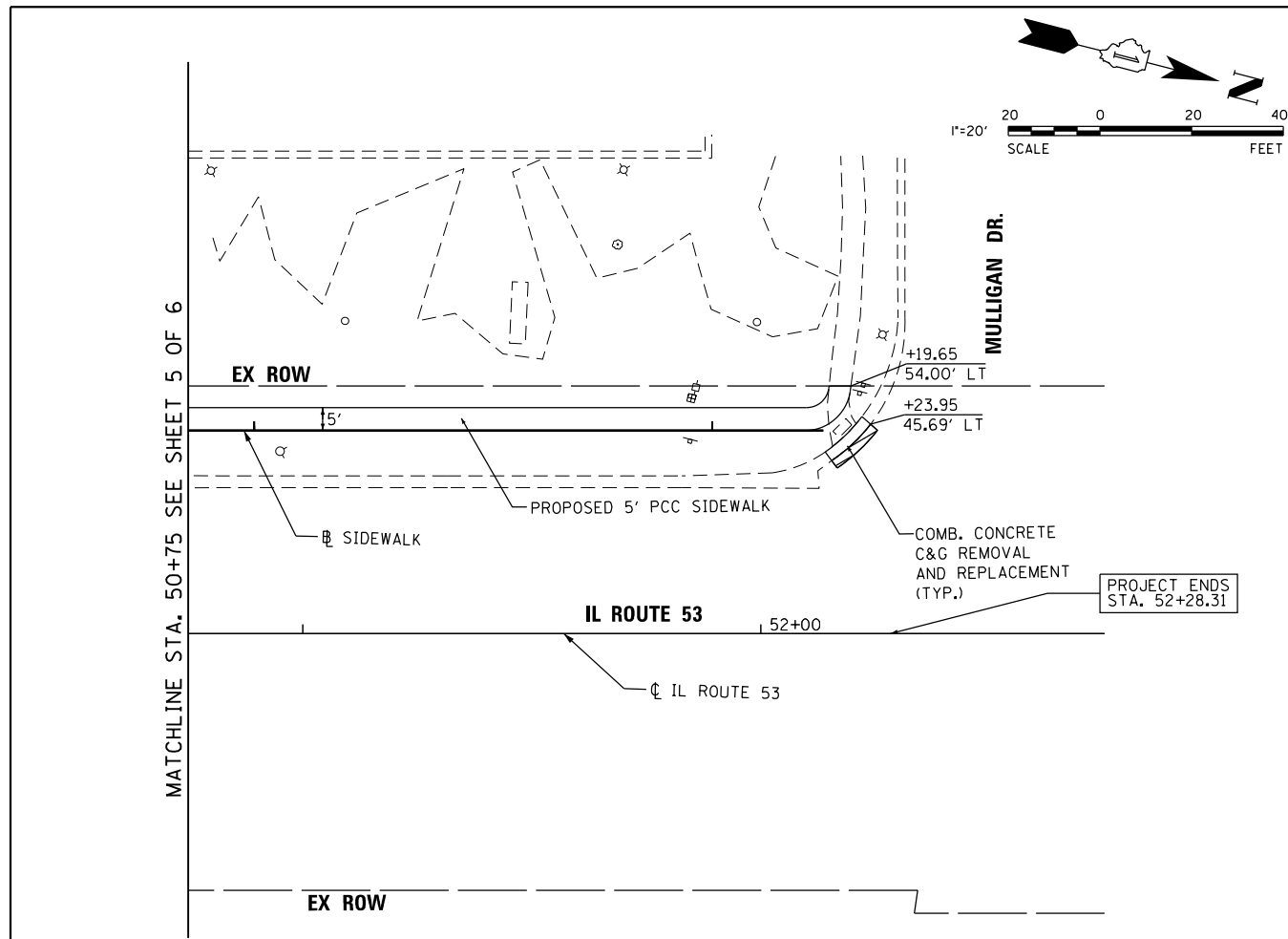


USER NAME = j_holy	DESIGNED - EIH	REVISED -
	DRAWN - EIH	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED - MJR	REVISED -
PLOT DATE = 12/23/2020	DATE - 11/16/18	REVISED -

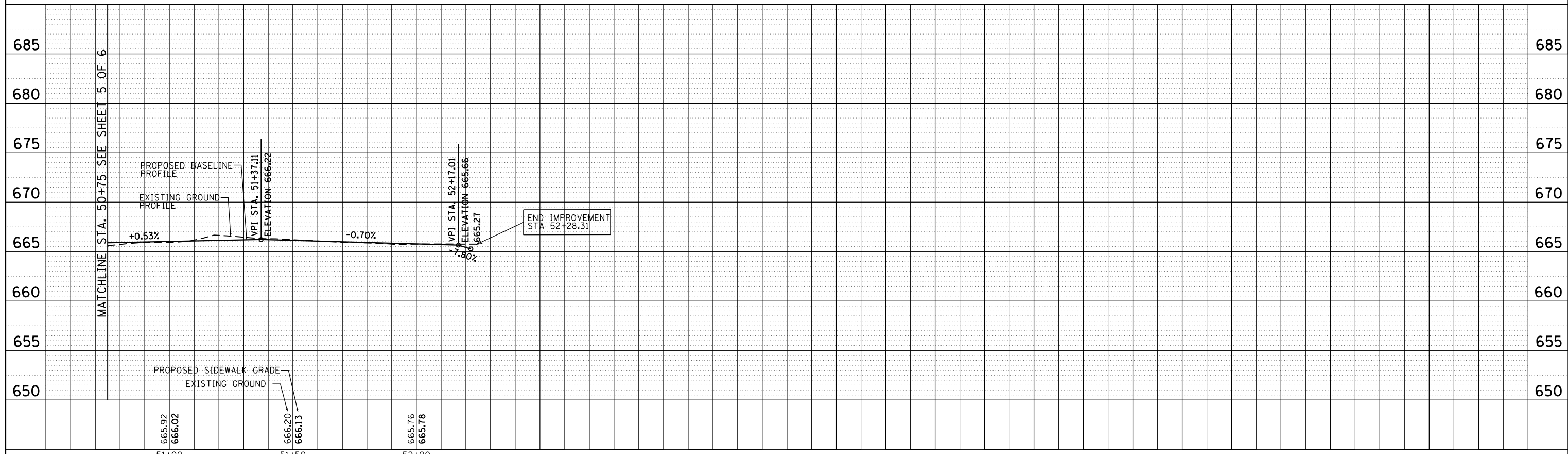
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE
SCALE: 1"=20' SHEET 5 OF 6 SHEETS STA. 45+25.00 TO STA. 50+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	17-00077-00-SW	DUPAGE	56	18
PROJECT: 08MC(421); JOB: C-91-230-18				
ILLINOIS Contract No. 61F88				



PLAN LEGEND	
	2" HMA SURFACE COURSE, MIX "D", IL-9.5, N70
	VARIABLE DEPTH HMA SURFACE COURSE, MIX "D", IL-9.5, N70



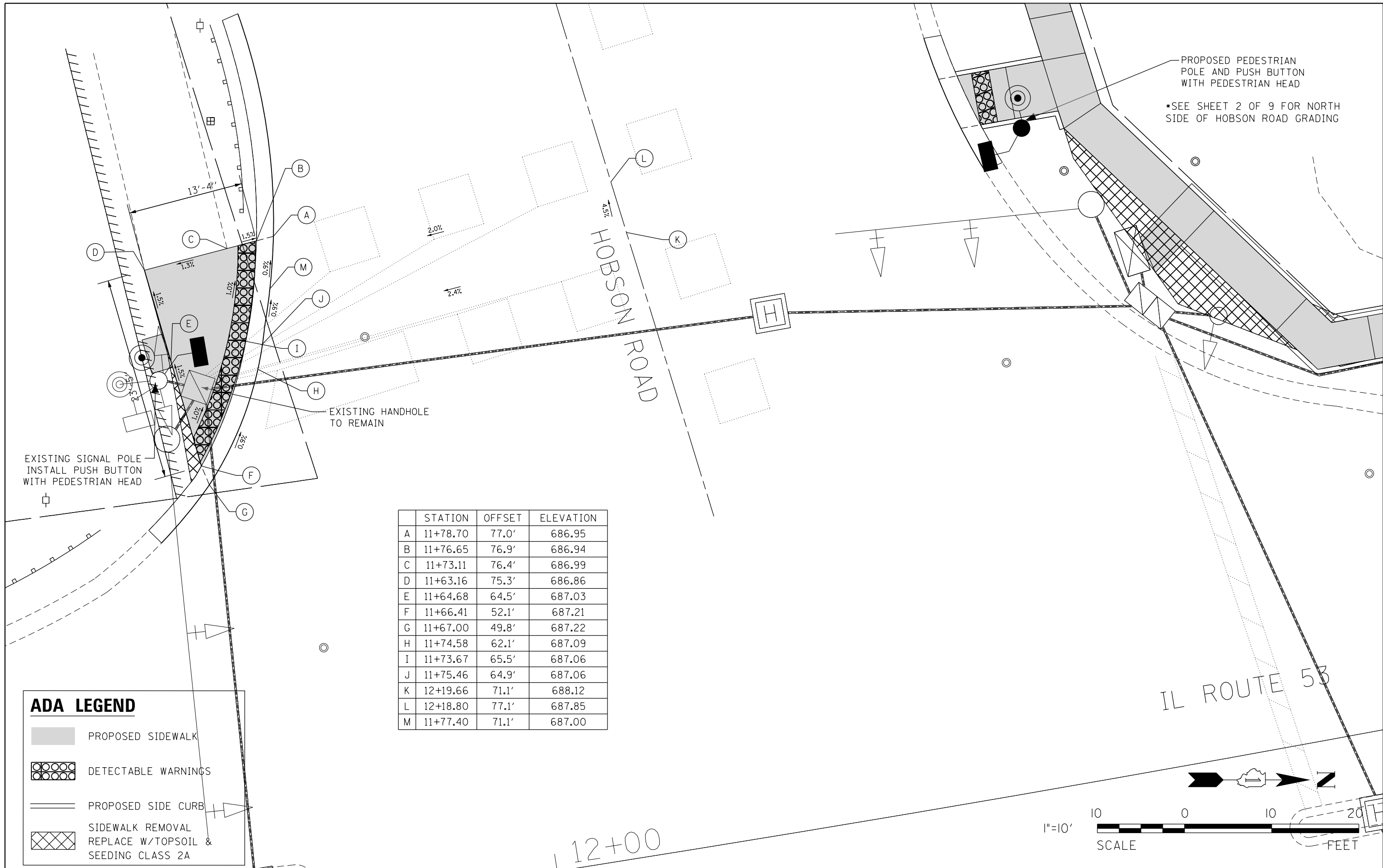
V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = jshly	DESIGNED - EIH	REVISED -
	PLOT SCALE = 40.0000' / in.	DRAWN - EIH	REVISED -
	PLOT DATE = 12/23/2020	CHECKED - MJR	REVISED -
		DATE - 11/16/18	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=20'		SHEET 6 OF 6 SHEETS		STA. 50+75.00 TO STA. 52+75.00	
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	17-00077-00-SW	DUPAGE	56	19
PROJECT: 08MC(421); JOB: C-91-230-18				
ILLINOIS				

Contract No. 61F88



PROPOSED PEDESTRIAN POLE AND PUSH BUTTON WITH PEDESTRIAN HEAD
 *SEE SHEET 2 OF 9 FOR NORTH SIDE OF HOBSON ROAD GRADING

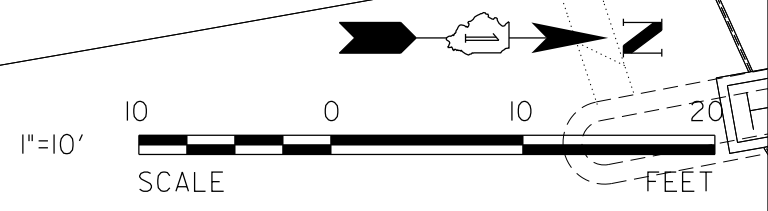
EXISTING SIGNAL POLE
 INSTALL PUSH BUTTON WITH PEDESTRIAN HEAD

EXISTING HANDHOLE TO REMAIN

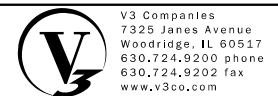
	STATION	OFFSET	ELEVATION
A	11+78.70	77.0'	686.95
B	11+76.65	76.9'	686.94
C	11+73.11	76.4'	686.99
D	11+63.16	75.3'	686.86
E	11+64.68	64.5'	687.03
F	11+66.41	52.1'	687.21
G	11+67.00	49.8'	687.22
H	11+74.58	62.1'	687.09
I	11+73.67	65.5'	687.06
J	11+75.46	64.9'	687.06
K	12+19.66	71.1'	688.12
L	12+18.80	77.1'	687.85
M	11+77.40	71.1'	687.00

ADA LEGEND

- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- PROPOSED SIDE CURB
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SEEDING CLASS 2A



12+00



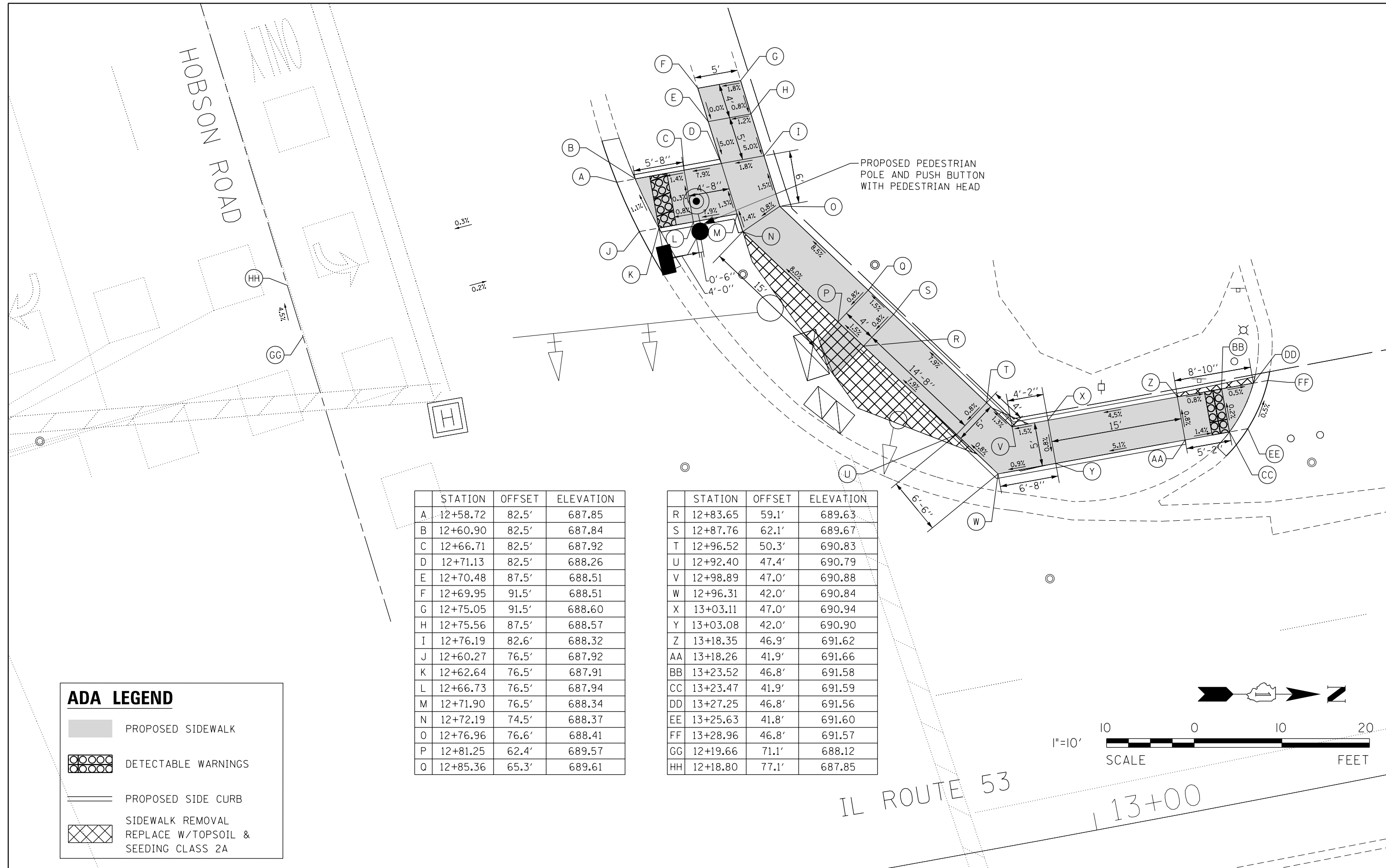
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PLOT SCALE = 10.0000' / in.	DRAWN - CJF	REVISED -
PLOT DATE = 12/23/2020	CHECKED - JDH	REVISED -
	DATE - 11/16/18	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ADA DETAIL PLAN

SCALE: 1" = 10' SHEET 1 OF 8 SHEETS STA. TO STA.

F.A.P. RTE. 870	SECTION 17-00077-00-SW	COUNTY DUPAGE	TOTAL SHEETS 56	SHEET NO. 20
PROJECT: 08MC(421); JOB: C-91-230-18				
ILLINOIS Contract No. 61F88				

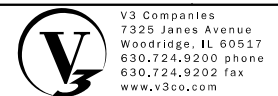
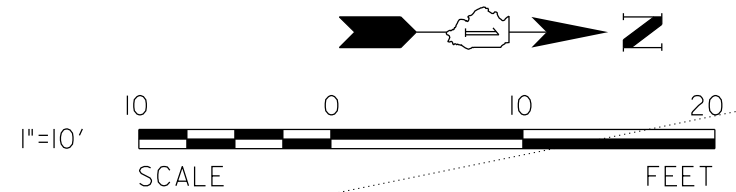


	STATION	OFFSET	ELEVATION
A	12+58.72	82.5'	687.85
B	12+60.90	82.5'	687.84
C	12+66.71	82.5'	687.92
D	12+71.13	82.5'	688.26
E	12+70.48	87.5'	688.51
F	12+69.95	91.5'	688.51
G	12+75.05	91.5'	688.60
H	12+75.56	87.5'	688.57
I	12+76.19	82.6'	688.32
J	12+60.27	76.5'	687.92
K	12+62.64	76.5'	687.91
L	12+66.73	76.5'	687.94
M	12+71.90	76.5'	688.34
N	12+72.19	74.5'	688.37
O	12+76.96	76.6'	688.41
P	12+81.25	62.4'	689.57
Q	12+85.36	65.3'	689.61

	STATION	OFFSET	ELEVATION
R	12+83.65	59.1'	689.63
S	12+87.76	62.1'	689.67
T	12+96.52	50.3'	690.83
U	12+92.40	47.4'	690.79
V	12+98.89	47.0'	690.88
W	12+96.31	42.0'	690.84
X	13+03.11	47.0'	690.94
Y	13+03.08	42.0'	690.90
Z	13+18.35	46.9'	691.62
AA	13+18.26	41.9'	691.66
BB	13+23.52	46.8'	691.58
CC	13+23.47	41.9'	691.59
DD	13+27.25	46.8'	691.56
EE	13+25.63	41.8'	691.60
FF	13+28.96	46.8'	691.57
GG	12+19.66	71.1'	688.12
HH	12+18.80	77.1'	687.85

ADA LEGEND

- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- PROPOSED SIDE CURB
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL &
SEEDING CLASS 2A



USER NAME = j_holy	DESIGNED - CJF	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - CJF	REVISED -
PLOT DATE = 12/23/2020	CHECKED - JDH	REVISED -
	DATE - 11/16/18	REVISED -

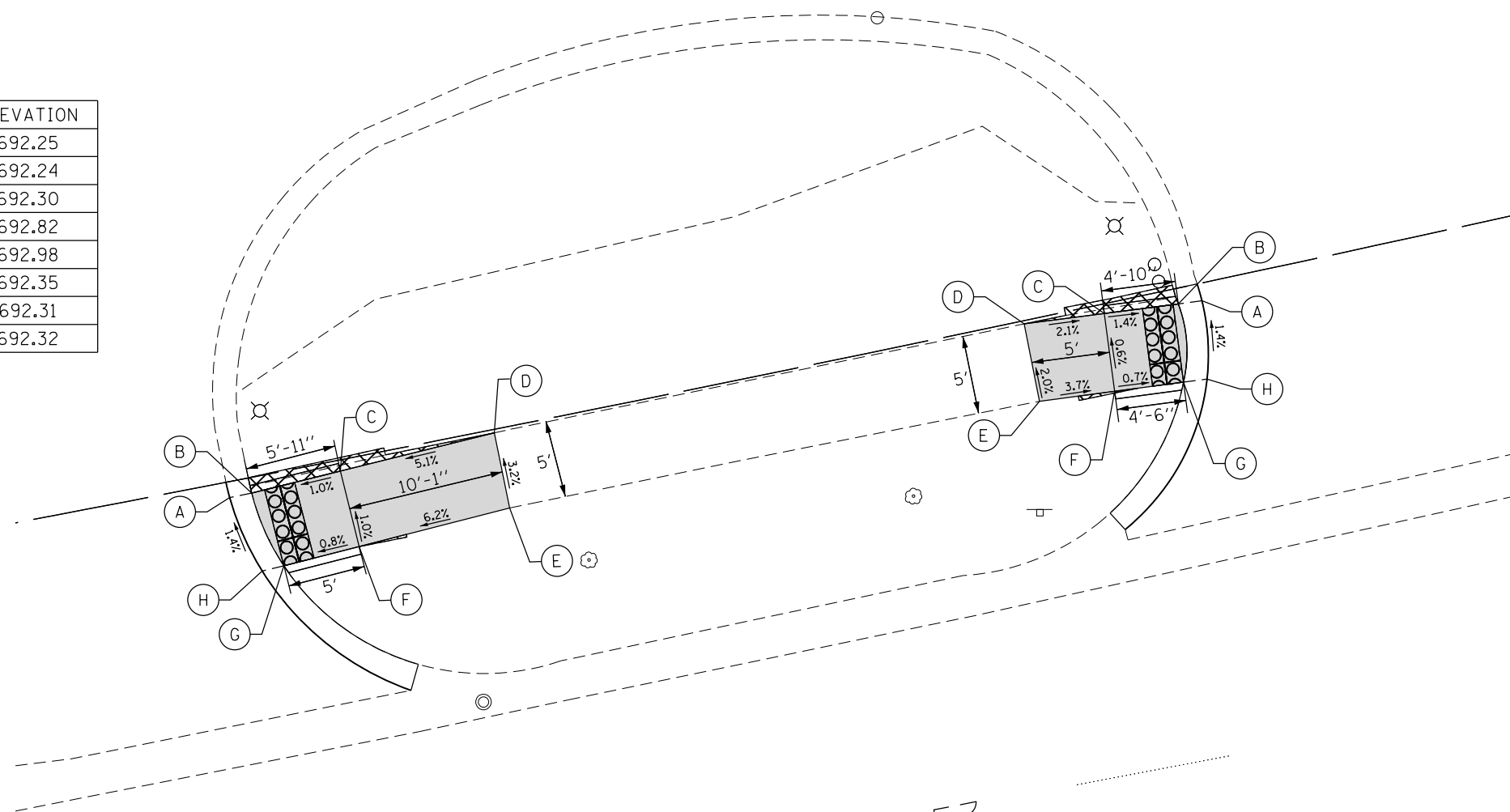
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADA DETAIL PLAN
SCALE: 1" = 10' SHEET 2 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	17-00077-00-SW	DUPAGE	56	21
PROJECT: 08MC(421); JOB: C-91-230-18				
ILLINOIS Contract No. 61F88				

	STATION	OFFSET	ELEVATION
A	13+55.28	46.5'	692.25
B	13+56.74	46.5'	692.24
C	13+62.70	46.8'	692.30
D	13+73.03	47.2'	692.82
E	13+73.02	42.3'	692.98
F	13+62.91	41.8'	692.35
G	13+57.86	41.5'	692.31
H	13+56.41	41.5'	692.32

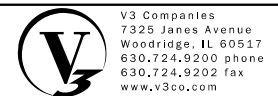
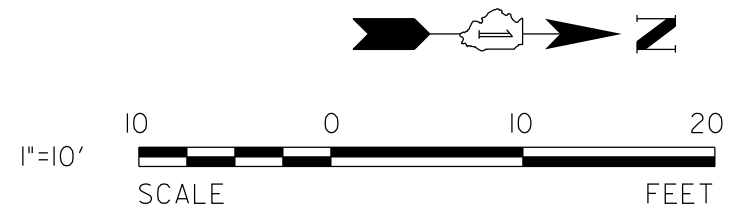
	STATION	OFFSET	ELEVATION
A	14+19.95	46.0'	693.25
B	14+18.39	46.1'	693.24
C	14+13.55	46.5'	693.31
D	14+08.30	47.0'	693.42
E	14+08.20	41.9'	693.52
F	14+13.12	41.5'	693.34
G	14+17.63	41.1'	693.31
H	14+19.17	41.0'	693.32



IL ROUTE 53

14+00

ADA LEGEND	
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	PROPOSED SIDE CURB
	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SEEDING CLASS 2A



USER NAME = j_holy	DESIGNED - CJF	REVISED -
	DRAWN - CJF	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - JDH	REVISED -
PLOT DATE = 12/23/2020	DATE - 11/16/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION





ADA DETAIL PLAN

SCALE: 1" = 10' SHEET 3 OF 8 SHEETS STA. TO STA.

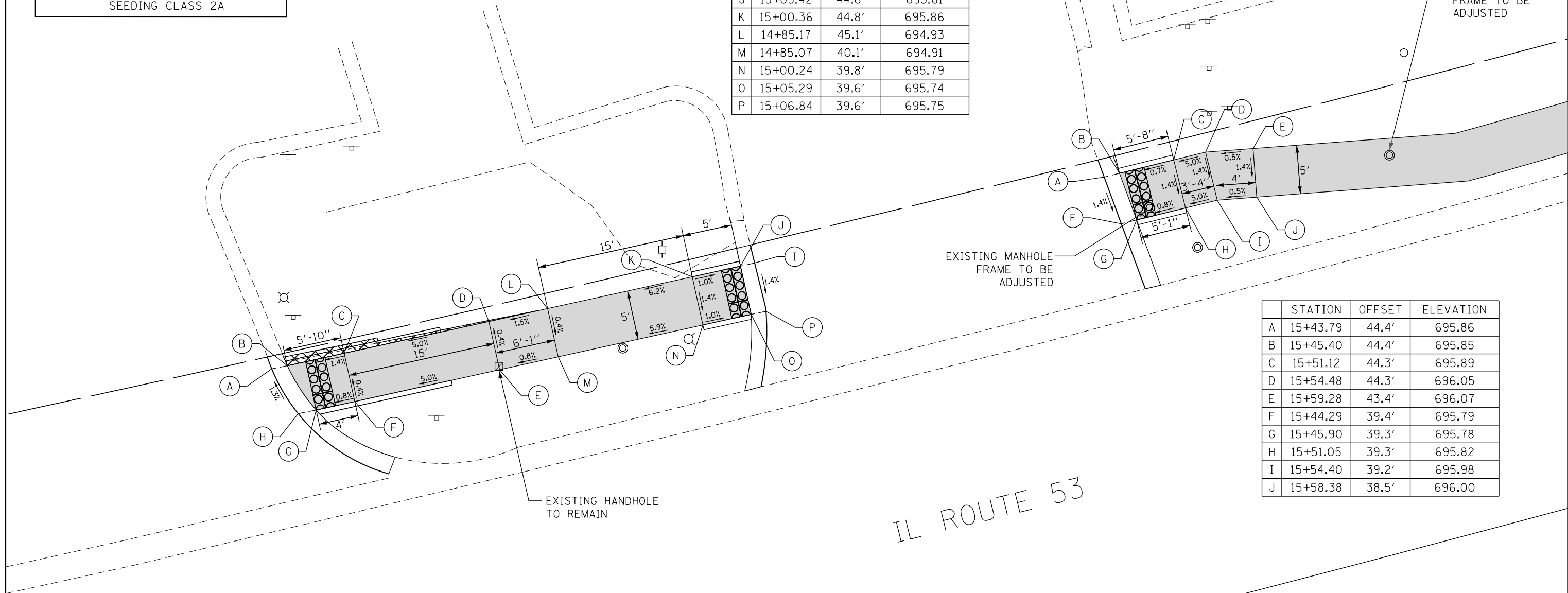
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	17-00077-00-SW	DUPAGE	56	22

PROJECT: 08MC(421); JOB: C-91-230-18
ILLINOIS Contract No. 61F88

ADA LEGEND

-  PROPOSED SIDEWALK
-  DETECTABLE WARNINGS
-  PROPOSED SIDE CURB
-  SIDEWALK REMOVAL
REPLACE W/TOPSOIL &
SEEDING CLASS 2A

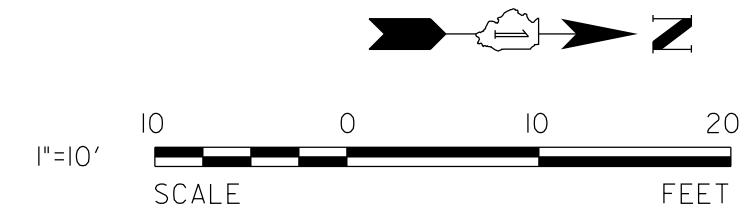
	STATION	OFFSET	ELEVATION
A	14+56.23	45.5'	694.02
B	14+57.87	45.5'	694.01
C	14+63.83	45.4'	694.09
D	14+79.02	45.2'	694.84
E	14+78.93	40.2'	694.86
F	14+63.76	40.4'	694.11
G	14+59.72	40.5'	694.08
H	14+57.83	40.5'	694.09
I	15+06.90	44.6'	695.82
J	15+05.42	44.6'	695.81
K	15+00.36	44.8'	695.86
L	14+85.17	45.1'	694.93
M	14+85.07	40.1'	694.91
N	15+00.24	39.8'	695.79
O	15+05.29	39.6'	695.74
P	15+06.84	39.6'	695.75



	STATION	OFFSET	ELEVATION
A	15+43.79	44.4'	695.86
B	15+45.40	44.4'	695.85
C	15+51.12	44.3'	695.89
D	15+54.48	44.3'	696.05
E	15+59.28	43.4'	696.07
F	15+44.29	39.4'	695.79
G	15+45.90	39.3'	695.78
H	15+51.05	39.3'	695.82
I	15+54.40	39.2'	695.98
J	15+58.38	38.5'	696.00

IL ROUTE 53

15+00







USER NAME = j_holy	DESIGNED - CJF	REVISED -
DRAWN - CJF	REVISIONS -	
CHECKED - JDH	REVISIONS -	
DATE - 11/16/18	REVISIONS -	

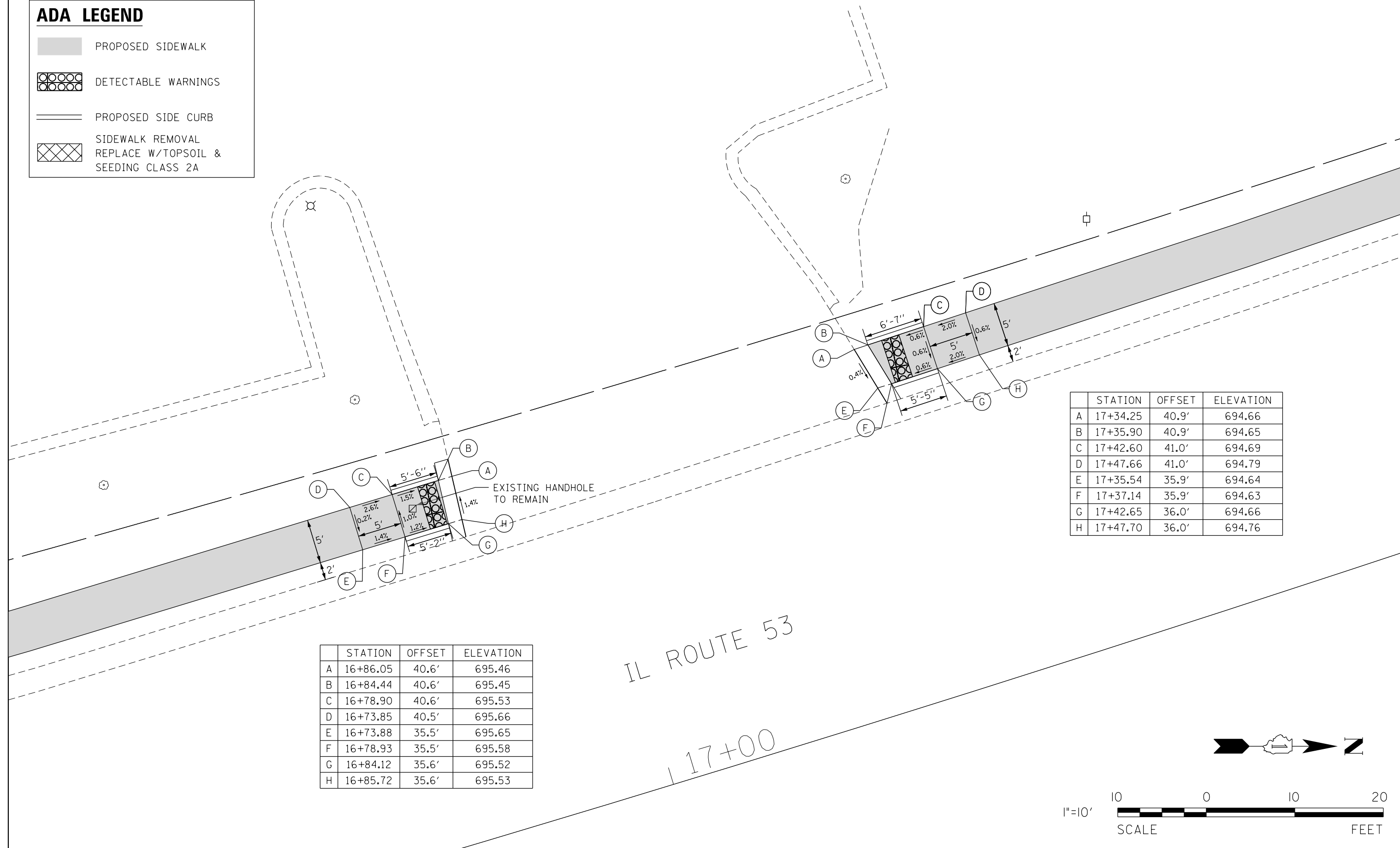
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAIL PLAN
SCALE: 1" = 10' SHEET 4 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	17-00077-00-SW	DUPAGE	56	23
PROJECT: 08MC(421); JOB: C-91-230-18				
ILLINOIS Contract No. 61F88				

ADA LEGEND

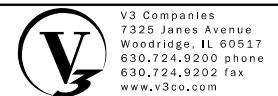
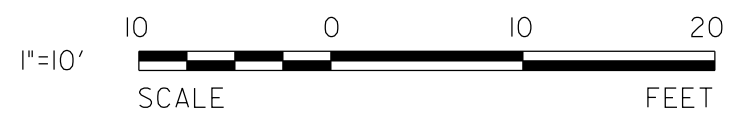
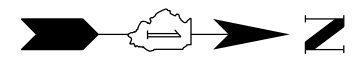
-  PROPOSED SIDEWALK
-  DETECTABLE WARNINGS
-  PROPOSED SIDE CURB
-  SIDEWALK REMOVAL
REPLACE W/TOPSOIL &
SEEDING CLASS 2A



	STATION	OFFSET	ELEVATION
A	17+34.25	40.9'	694.66
B	17+35.90	40.9'	694.65
C	17+42.60	41.0'	694.69
D	17+47.66	41.0'	694.79
E	17+35.54	35.9'	694.64
F	17+37.14	35.9'	694.63
G	17+42.65	36.0'	694.66
H	17+47.70	36.0'	694.76

	STATION	OFFSET	ELEVATION
A	16+86.05	40.6'	695.46
B	16+84.44	40.6'	695.45
C	16+78.90	40.6'	695.53
D	16+73.85	40.5'	695.66
E	16+73.88	35.5'	695.65
F	16+78.93	35.5'	695.58
G	16+84.12	35.6'	695.52
H	16+85.72	35.6'	695.53

IL ROUTE 53
| 17+00



USER NAME = j_holy	DESIGNED - CJF	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - CJF	REVISED -
PLOT DATE = 12/23/2020	CHECKED - JDH	REVISED -
	DATE - 11/16/18	REVISED -





STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAIL PLAN

SCALE: 1" = 10' SHEET 5 OF 8 SHEETS STA. TO STA.

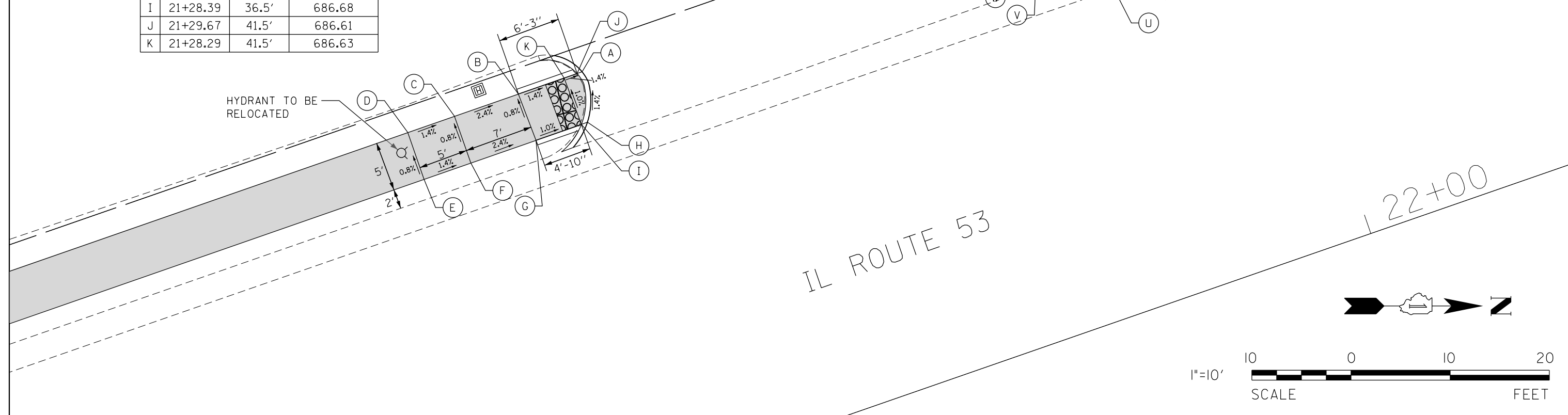
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	17-00077-00-SW	DUPAGE	56	24
PROJECT: 08MC(421); JOB: C-91-230-18				
ILLINOIS Contract No. 61F88				

ADA LEGEND

-  PROPOSED SIDEWALK
-  DETECTABLE WARNINGS
-  PROPOSED SIDE CURB
-  SIDEWALK REMOVAL
REPLACE W/TOPSOIL &
SEEDING CLASS 2A

	STATION	OFFSET	ELEVATION
A	21+75.59	41.6'	685.62
B	21+76.20	41.6'	685.61
C	21+82.98	41.6'	685.52
D	21+87.09	41.5'	685.23
E	21+91.09	41.5'	685.19
F	21+93.53	44.7'	685.13
G	22+02.02	55.8'	684.15
H	22+03.59	57.8'	684.14
I	22+08.59	57.8'	684.12
J	22+21.15	57.8'	683.79
K	22+25.15	57.8'	683.81
L	22+25.15	53.0'	683.86
M	22+21.14	53.0'	683.84
N	22+08.61	52.9'	684.17
O	22+05.98	52.7'	684.20
P	21+97.50	41.7'	685.18
Q	21+95.06	38.5'	685.24
R	21+93.56	36.5'	685.25
S	21+91.09	36.5'	685.26
T	21+87.09	36.5'	685.30
U	21+82.97	36.6'	685.59
V	21+76.99	36.6'	685.68
W	21+76.25	36.6'	685.69
X	21+76.20	41.6'	685.61

	STATION	OFFSET	ELEVATION
A	21+30.20	41.5'	686.62
B	21+23.38	41.5'	686.70
C	21+16.57	41.5'	686.87
D	21+11.57	41.5'	686.94
E	21+11.57	36.5'	686.98
F	21+16.57	36.5'	686.91
G	21+23.53	36.5'	686.74
H	21+29.04	36.5'	686.69
I	21+28.39	36.5'	686.68
J	21+29.67	41.5'	686.61
K	21+28.29	41.5'	686.63

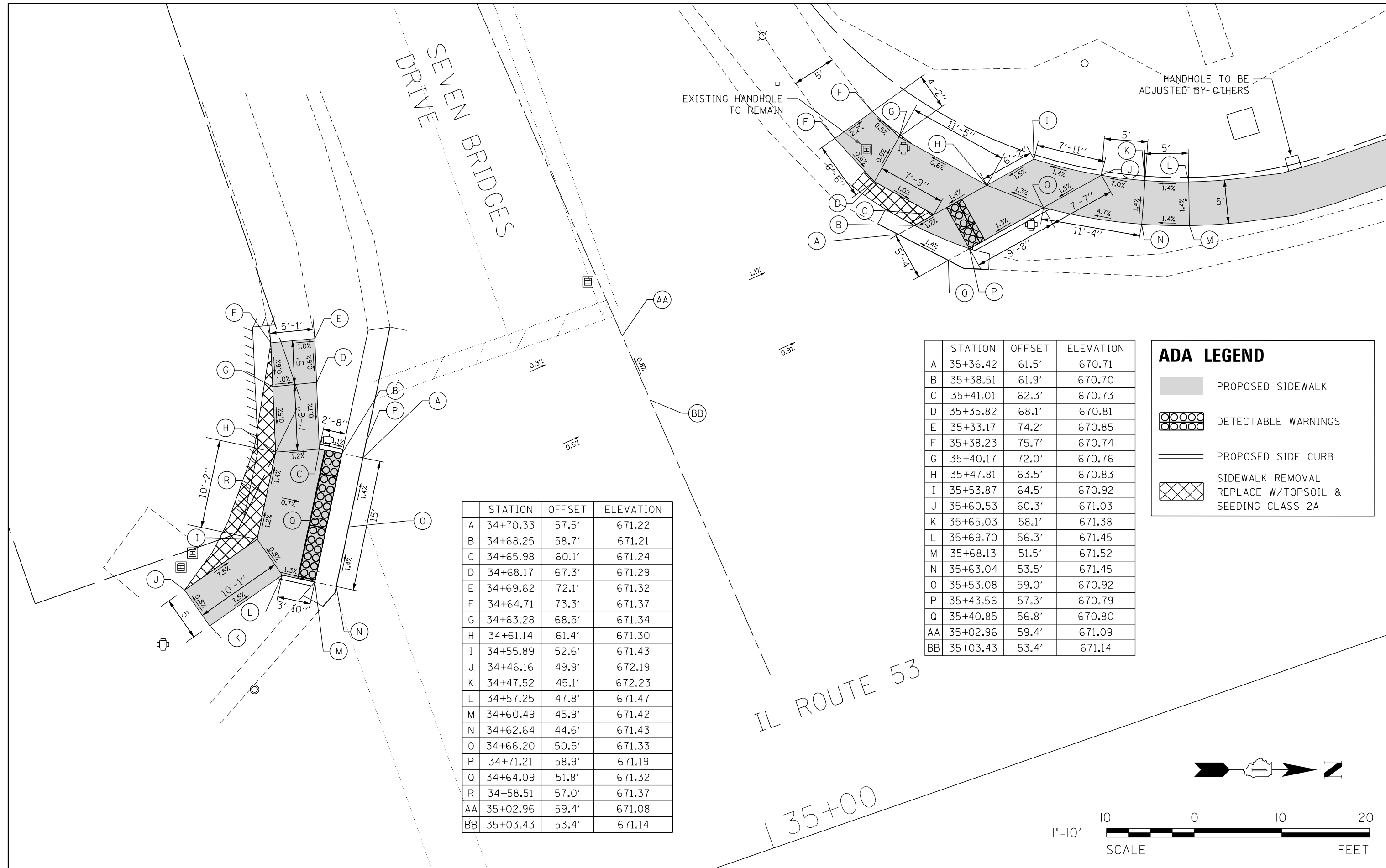


USER NAME = j_holy	DESIGNED - CJF	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - CJF	REVISED -
PLOT DATE = 12/23/2020	CHECKED - JDH	REVISED -
	DATE - 11/16/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAIL PLAN
SCALE: 1" = 10' SHEET 6 OF 8 SHEETS STA. TO STA.

F.A.P. RTE. 870	SECTION 17-00077-00-SW	COUNTY DUPAGE	TOTAL SHEETS 56	SHEET NO. 25
PROJECT: 08MC(421); JOB: C-91-230-18				
ILLINOIS Contract No. 61F88				



	STATION	OFFSET	ELEVATION
A	34+70.33	57.5'	671.22
B	34+68.25	58.7'	671.21
C	34+65.98	60.1'	671.24
D	34+68.17	67.3'	671.29
E	34+69.62	72.1'	671.32
F	34+64.71	73.3'	671.37
G	34+63.28	68.5'	671.34
H	34+61.14	61.4'	671.30
I	34+55.89	52.6'	671.43
J	34+46.16	49.9'	672.19
K	34+47.52	45.1'	672.23
L	34+57.25	47.8'	671.47
M	34+60.49	45.9'	671.42
N	34+62.64	44.6'	671.43
O	34+66.20	50.5'	671.33
P	34+71.21	58.9'	671.19
Q	34+64.09	51.8'	671.32
R	34+58.51	57.0'	671.37
AA	35+02.96	59.4'	671.08
BB	35+03.43	53.4'	671.14

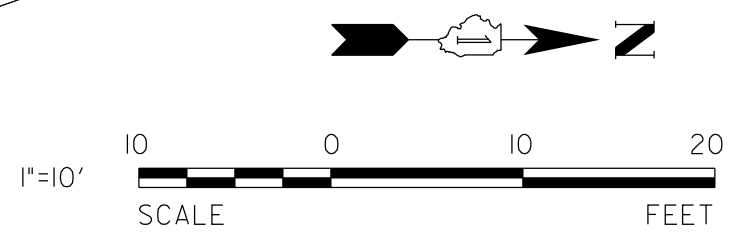
	STATION	OFFSET	ELEVATION
A	35+36.42	61.5'	670.71
B	35+38.51	61.9'	670.70
C	35+41.01	62.3'	670.73
D	35+35.82	68.1'	670.81
E	35+33.17	74.2'	670.85
F	35+38.23	75.7'	670.74
G	35+40.17	72.0'	670.76
H	35+47.81	63.5'	670.83
I	35+53.87	64.5'	670.92
J	35+60.53	60.3'	671.03
K	35+65.03	58.1'	671.38
L	35+69.70	56.3'	671.45
M	35+68.13	51.5'	671.52
N	35+63.04	53.5'	671.45
O	35+53.08	59.0'	670.92
P	35+43.56	57.3'	670.79
Q	35+40.85	56.8'	670.80
AA	35+02.96	59.4'	671.09
BB	35+03.43	53.4'	671.14

ADA LEGEND

- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- PROPOSED SIDE CURB
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL &
SEEDING CLASS 2A

IL ROUTE 53

35+00



USER NAME = j_holy
 DESIGNED - CJF
 DRAWN - CJF
 CHECKED - JDH
 DATE - 11/16/18
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 12/23/2020

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

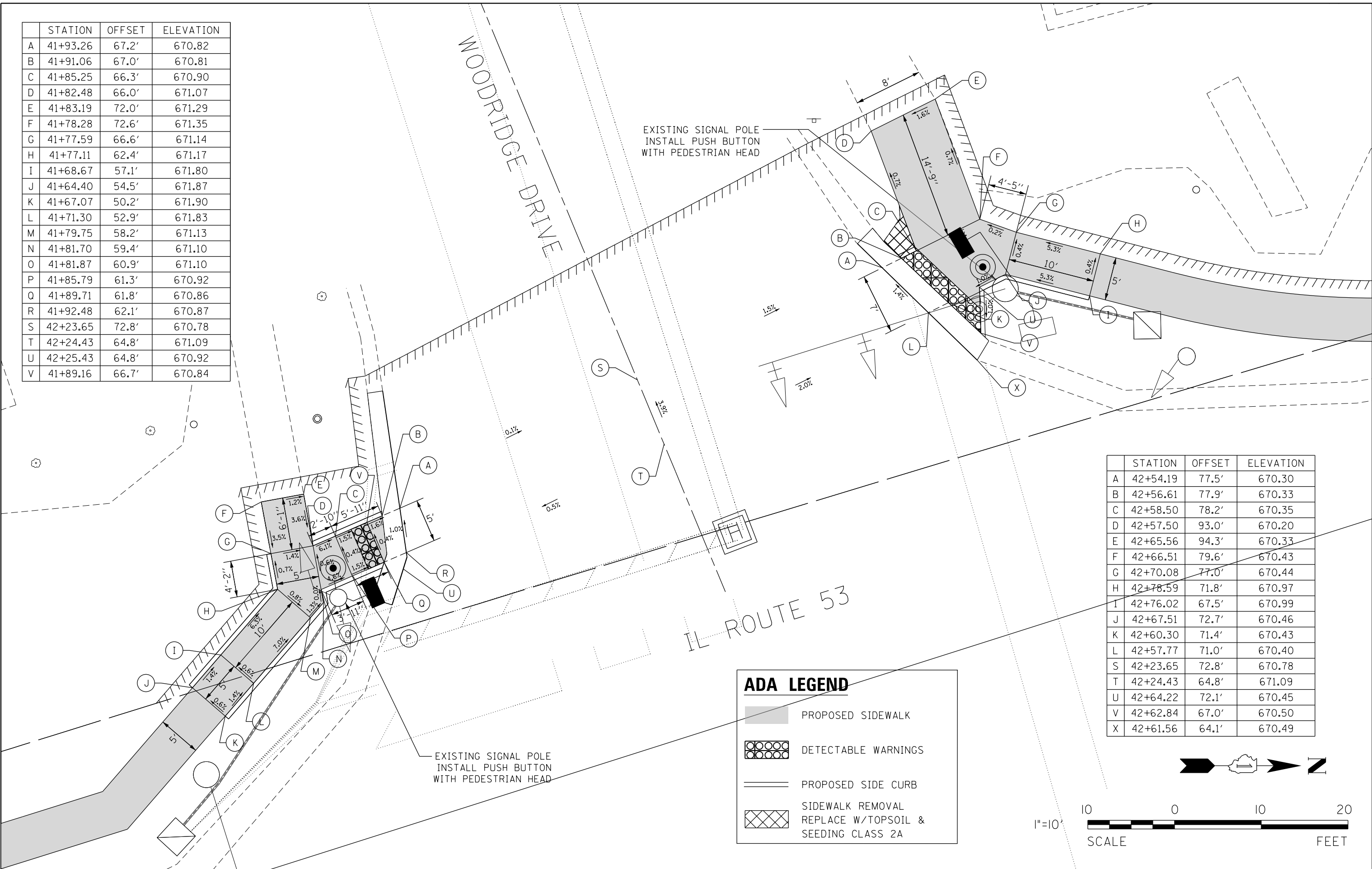
ADA DETAIL PLAN

SCALE: 1" = 10' SHEET 7 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	17-00077-00-SW	DUPAGE	56	26
PROJECT: 08MC(421); JOB: C-91-230-18				
ILLINOIS Contract No. 61F88				

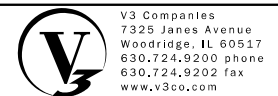
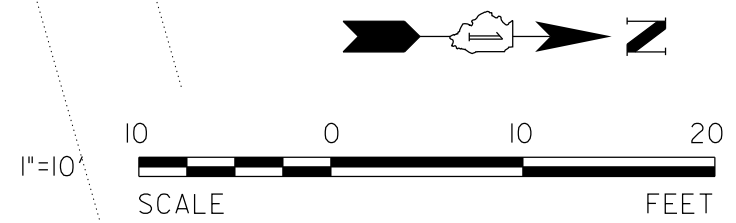
	STATION	OFFSET	ELEVATION
A	41+93.26	67.2'	670.82
B	41+91.06	67.0'	670.81
C	41+85.25	66.3'	670.90
D	41+82.48	66.0'	671.07
E	41+83.19	72.0'	671.29
F	41+78.28	72.6'	671.35
G	41+77.59	66.6'	671.14
H	41+77.11	62.4'	671.17
I	41+68.67	57.1'	671.80
J	41+64.40	54.5'	671.87
K	41+67.07	50.2'	671.90
L	41+71.30	52.9'	671.83
M	41+79.75	58.2'	671.13
N	41+81.70	59.4'	671.10
O	41+81.87	60.9'	671.10
P	41+85.79	61.3'	670.92
Q	41+89.71	61.8'	670.86
R	41+92.48	62.1'	670.87
S	42+23.65	72.8'	670.78
T	42+24.43	64.8'	671.09
U	42+25.43	64.8'	670.92
V	41+89.16	66.7'	670.84

	STATION	OFFSET	ELEVATION
A	42+54.19	77.5'	670.30
B	42+56.61	77.9'	670.33
C	42+58.50	78.2'	670.35
D	42+57.50	93.0'	670.20
E	42+65.56	94.3'	670.33
F	42+66.51	79.6'	670.43
G	42+70.08	77.0'	670.44
H	42+78.59	71.8'	670.97
I	42+76.02	67.5'	670.99
J	42+67.51	72.7'	670.46
K	42+60.30	71.4'	670.43
L	42+57.77	71.0'	670.40
S	42+23.65	72.8'	670.78
T	42+24.43	64.8'	671.09
U	42+64.22	72.1'	670.45
V	42+62.84	67.0'	670.50
X	42+61.56	64.1'	670.49



ADA LEGEND

- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- PROPOSED SIDE CURB
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL &
SEEDING CLASS 2A

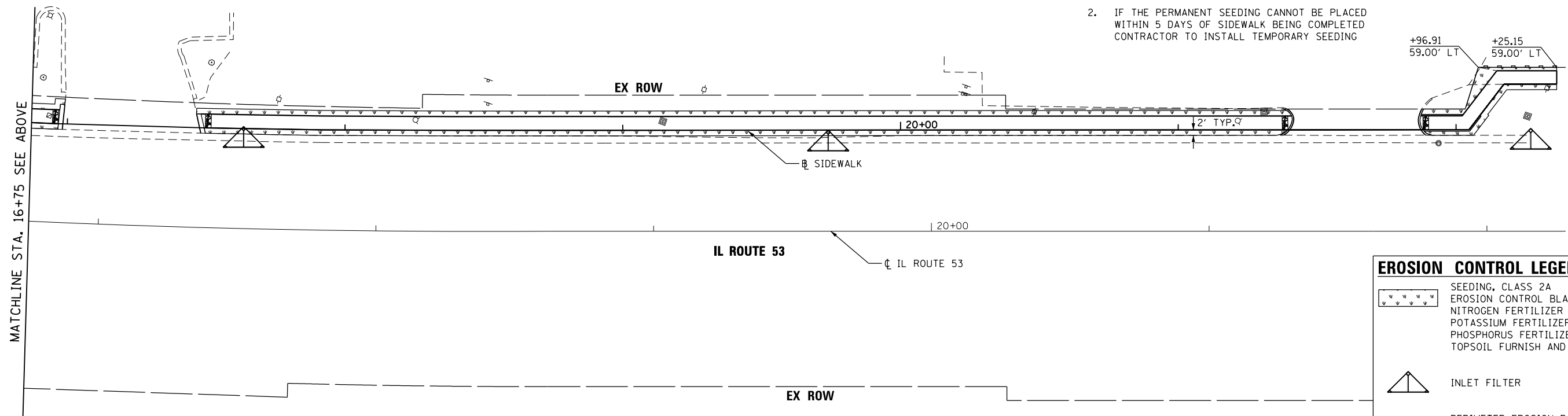
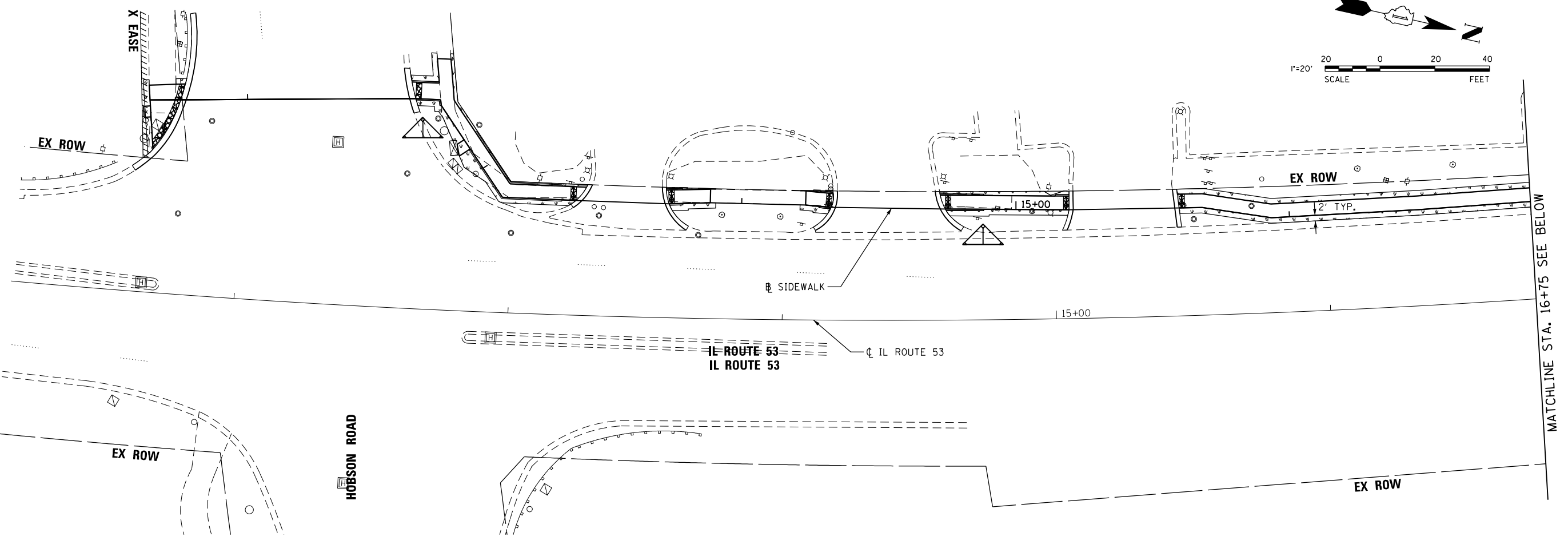


USER NAME = jphly	DESIGNED - CJF	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - CJF	REVISED -
PLOT DATE = 12/23/2020	CHECKED - JDH	REVISED -
	DATE - 11/16/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAIL PLAN
SCALE: 1" = 10' SHEET 8 OF 8 SHEETS STA. TO STA.

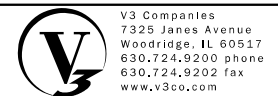
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	17-00077-00-SW	DUPAGE	56	27
PROJECT: 08MC(421); JOB: C-91-230-18				
ILLINOIS Contract No. 61F88				



EROSION CONTROL NOTES

1. EROSION CONTROL MEASURES SHOWN IN THESE PLANS SHALL BE IMPLEMENTED RIGHT BEFORE STRIPPING OF EXISTING VEGETATION
2. IF THE PERMANENT SEEDING CANNOT BE PLACED WITHIN 5 DAYS OF SIDEWALK BEING COMPLETED CONTRACTOR TO INSTALL TEMPORARY SEEDING

EROSION CONTROL LEGEND	
	SEEDING, CLASS 2A
	EROSION CONTROL BLANKET
	NITROGEN FERTILIZER NUTRIENT
	POTASSIUM FERTILIZER NUTRIENT
	PHOSPHORUS FERTILIZER NUTRIENT
	TOPSOIL FURNISH AND PLACE, 4"
	INLET FILTER
	PERIMETER EROSION BARRIER

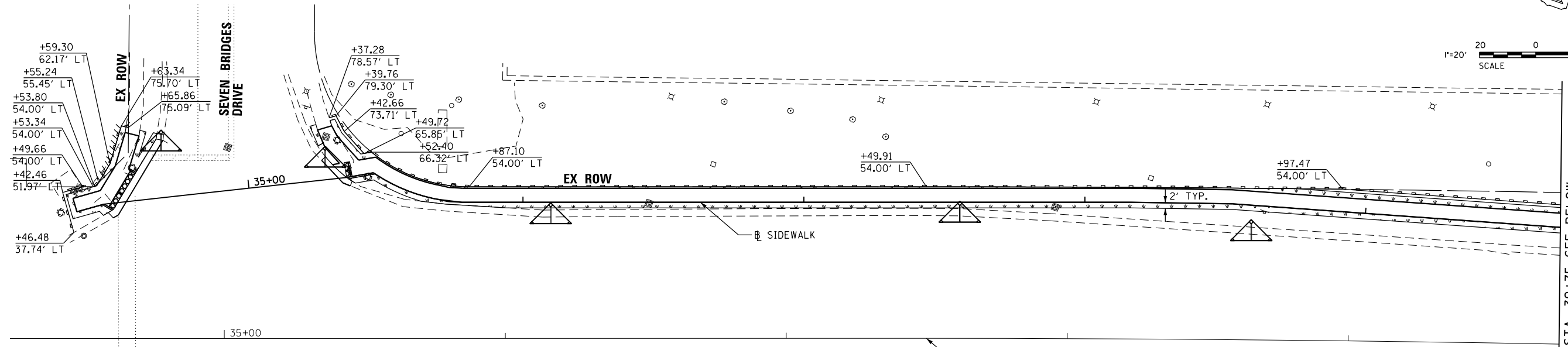
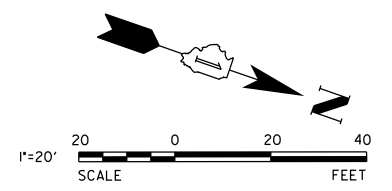


USER NAME = jholj	DESIGNED - CJF	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - CJF	REVISED -
PLOT DATE = 12/23/2020	CHECKED - JDH	REVISED -
	DATE - 11/16/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL AND LANDSCAPING PLAN
SCALE: 1" = 20' SHEET 1 OF 3 SHEETS STA. 11+00.00 TO STA. 22+30.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	17-00077-00-SW	DUPAGE	56	28
PROJECT: 08MC(421); JOB: C-91-230-18				
ILLINOIS Contract No. 61F88				

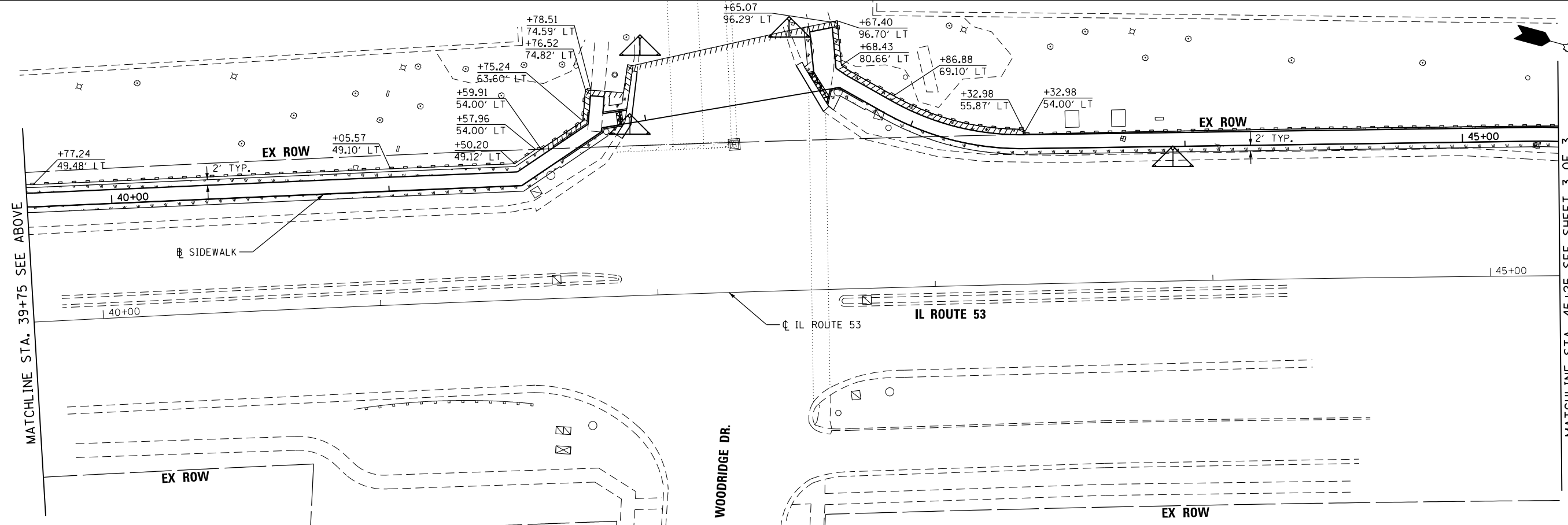


EROSION CONTROL LEGEND

	SEEDING, CLASS 2A
	EROSION CONTROL BLANKET
	NITROGEN FERTILIZER NUTRIENT
	POTASSIUM FERTILIZER NUTRIENT
	PHOSPHORUS FERTILIZER NUTRIENT
	TOPSOIL FURNISH AND PLACE, 4"
	INLET FILTER
	PERIMETER EROSION BARRIER

EROSION CONTROL NOTES

1. EROSION CONTROL MEASURES SHOWN IN THESE PLANS SHALL BE IMPLEMENTED RIGHT BEFORE STRIPPING OF EXISTING VEGETATION
2. IF THE PERMANENT SEEDING CANNOT BE PLACED WITHIN 5 DAYS OF SIDEWALK BEING COMPLETED CONTRACTOR TO INSTALL TEMPORARY SEEDING

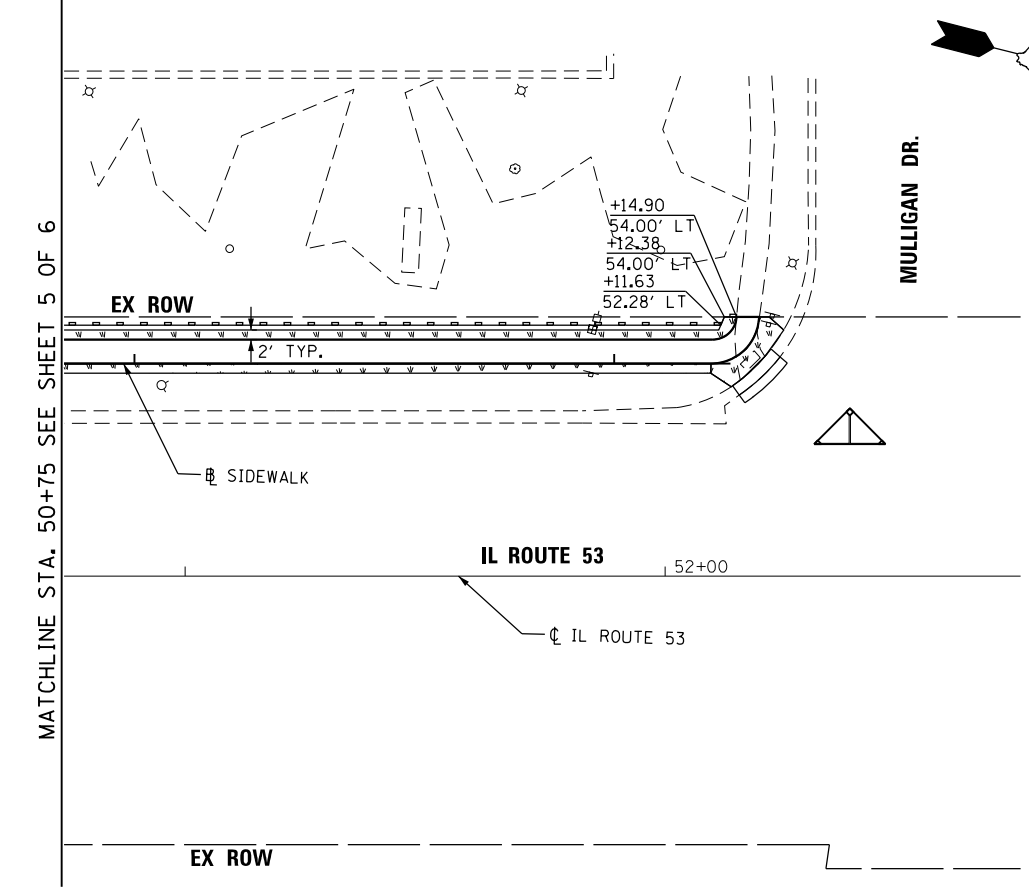
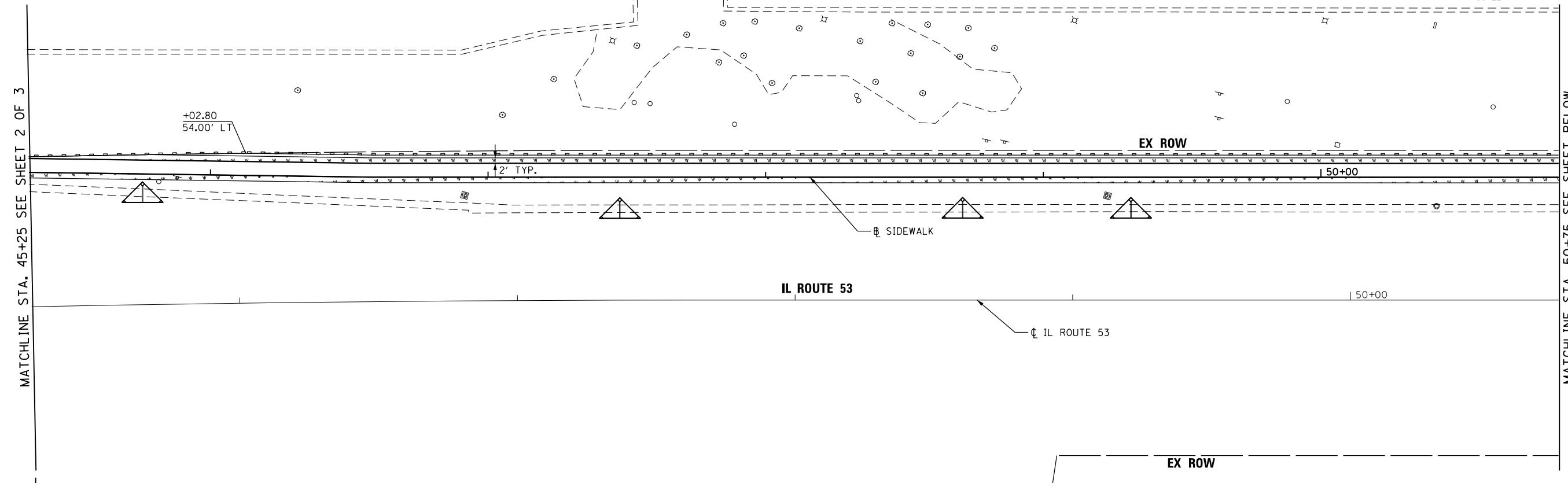
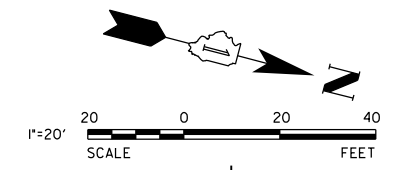


USER NAME = jholly	DESIGNED - CJF	REVISED -
PLOT SCALE = 48.0000' / in.	DRAWN - CJF	REVISED -
PLOT DATE = 12/23/2020	CHECKED - JDH	REVISED -
	DATE - 11/16/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL AND LANDSCAPING PLAN			
SCALE: 1" = 20'	SHEET 2 OF 3 SHEETS	STA. 34+20.00 TO STA. 45+25.00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	17-00077-00-SW	DUPAGE	56	29
PROJECT: 08MC(421); JOB: C-91-230-18				
ILLINOIS Contract No. 61F88				

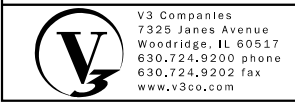


EROSION CONTROL LEGEND

	SEEDING, CLASS 2A
	EROSION CONTROL BLANKET
	NITROGEN FERTILIZER NUTRIENT
	POTASSIUM FERTILIZER NUTRIENT
	PHOSPHORUS FERTILIZER NUTRIENT
	TOPSOIL FURNISH AND PLACE, 4"
	INLET FILTER
	PERIMETER EROSION BARRIER

EROSION CONTROL NOTES

1. EROSION CONTROL MEASURES SHOWN IN THESE PLANS SHALL BE IMPLEMENTED RIGHT BEFORE STRIPPING OF EXISTING VEGETATION
2. IF THE PERMANENT SEEDING CANNOT BE PLACED WITHIN 5 DAYS OF SIDEWALK BEING COMPLETED CONTRACTOR TO INSTALL TEMPORARY SEEDING



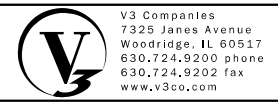
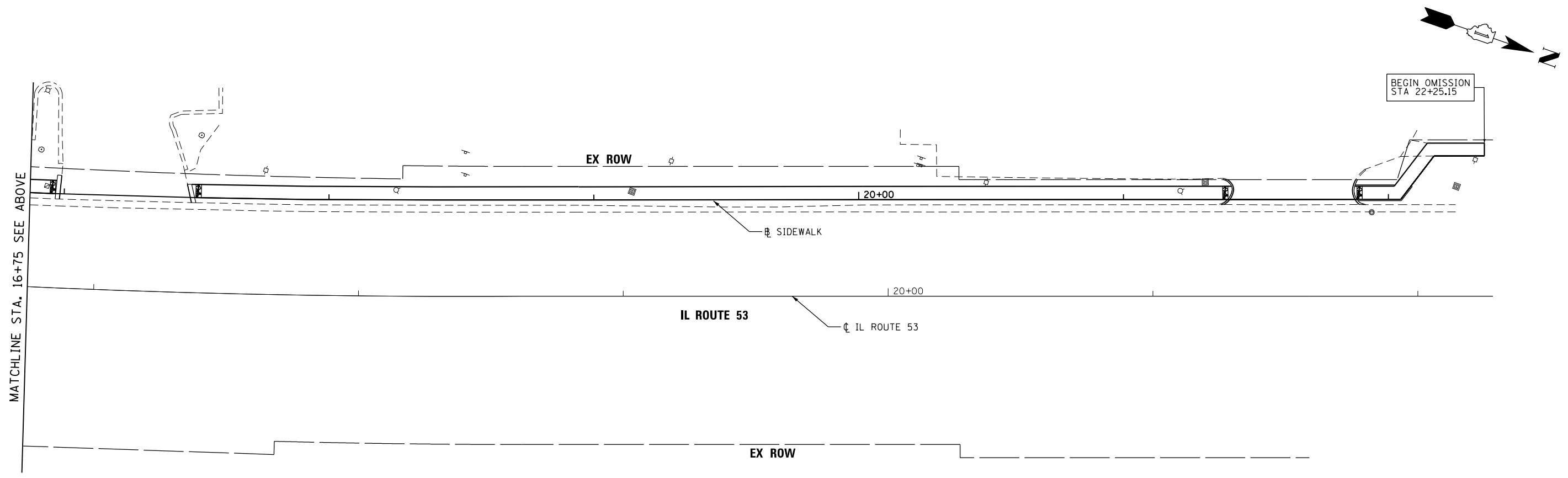
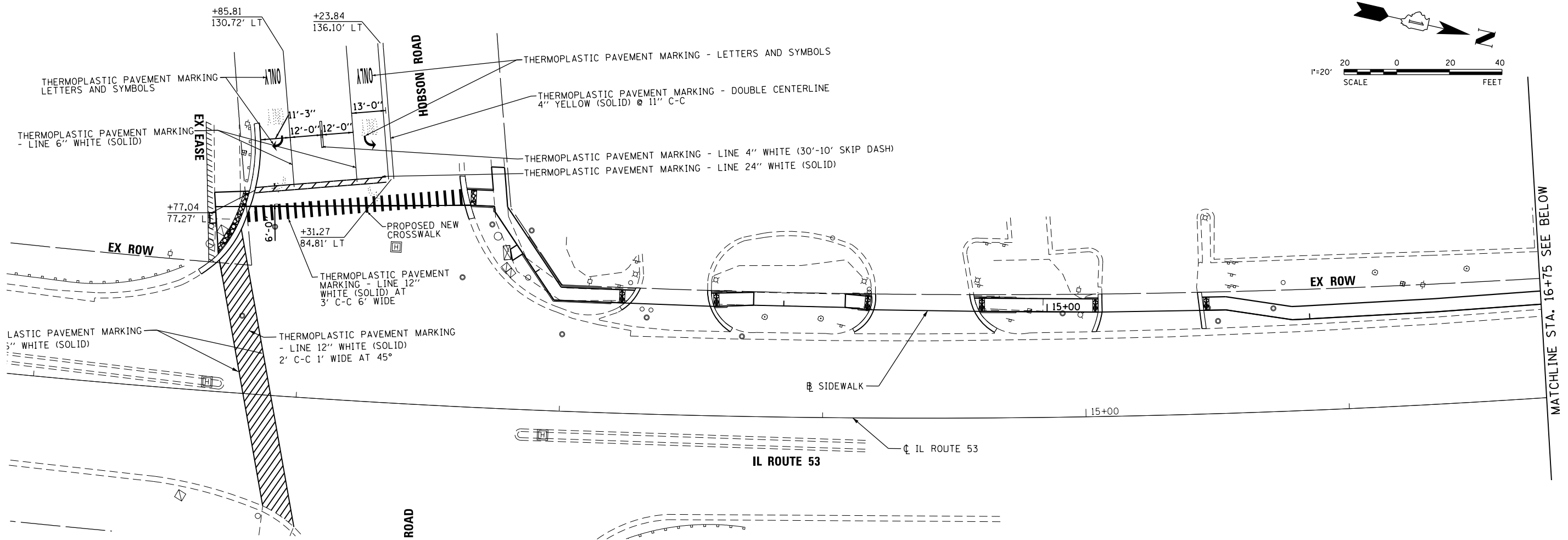
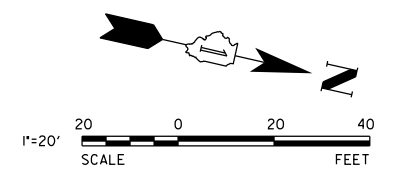
USER NAME = jholj	DESIGNED - CJF	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - CJF	REVISED -
PLOT DATE = 12/23/2020	CHECKED - JDH	REVISED -
	DATE - 11/16/18	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL AND LANDSCAPING PLAN

SCALE: 1" = 20' SHEET 3 OF 3 SHEETS STA. 45+25.00 TO STA. 52+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	17-00077-00-SW	DUPAGE	56	30
PROJECT: 08MC(421); JOB: C-91-230-18				
ILLINOIS Contract No. 61F88				



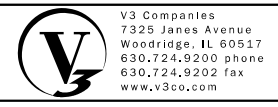
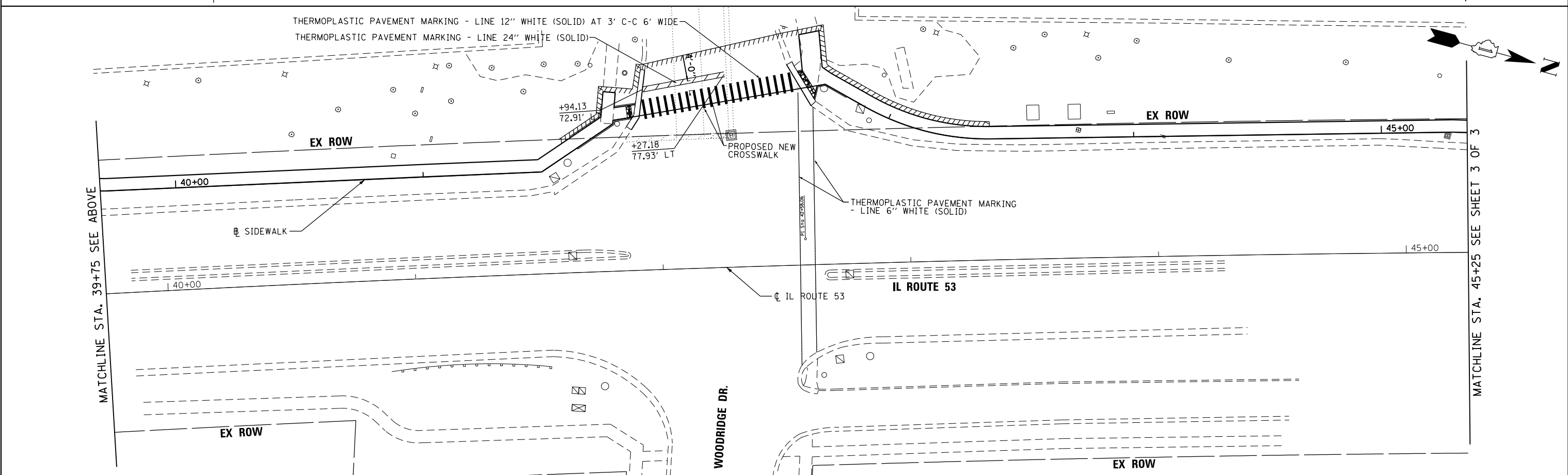
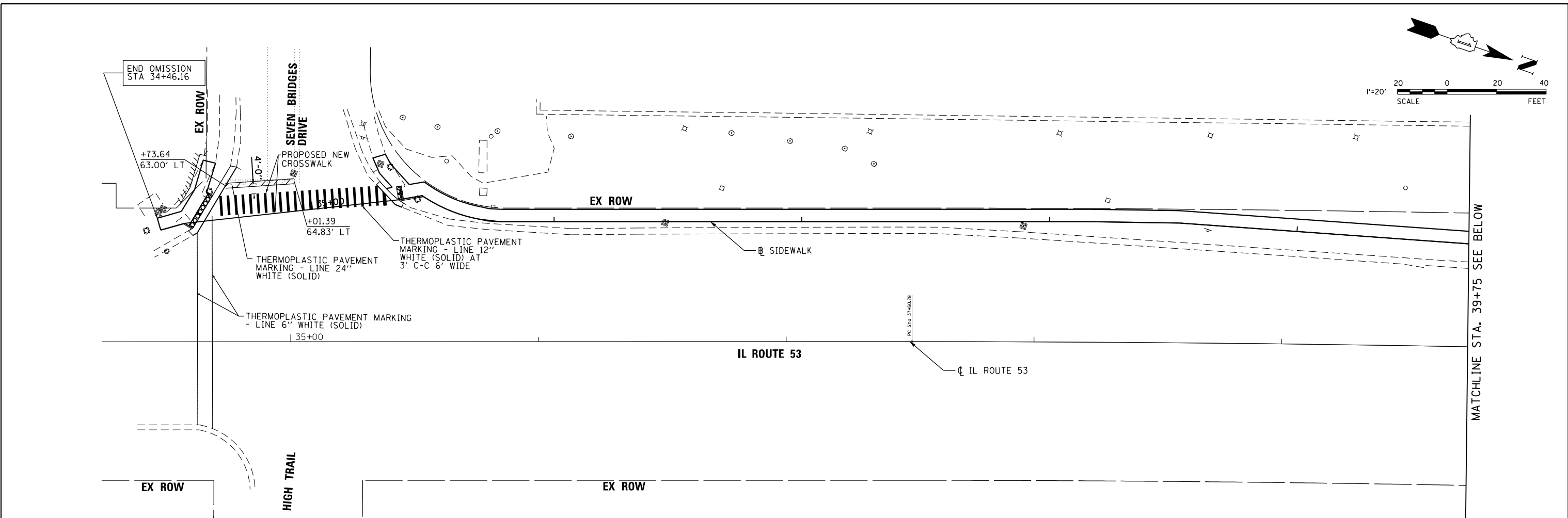
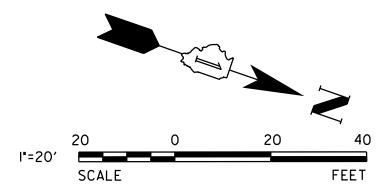
USER NAME = jholly	DESIGNED - CJF	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - CJF	REVISED -
PLOT DATE = 12/23/2020	CHECKED - JDH	REVISED -
	DATE - 11/16/18	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN

SCALE: 1"=20' SHEET 1 OF 3 SHEETS STA. 11+00.00 TO STA. 22+30.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	17-00077-00-SW	DUPAGE	56	31
PROJECT: 08MC(421); JOB: C-91-230-18				
ILLINOIS Contract No. 61F88				



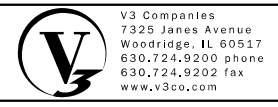
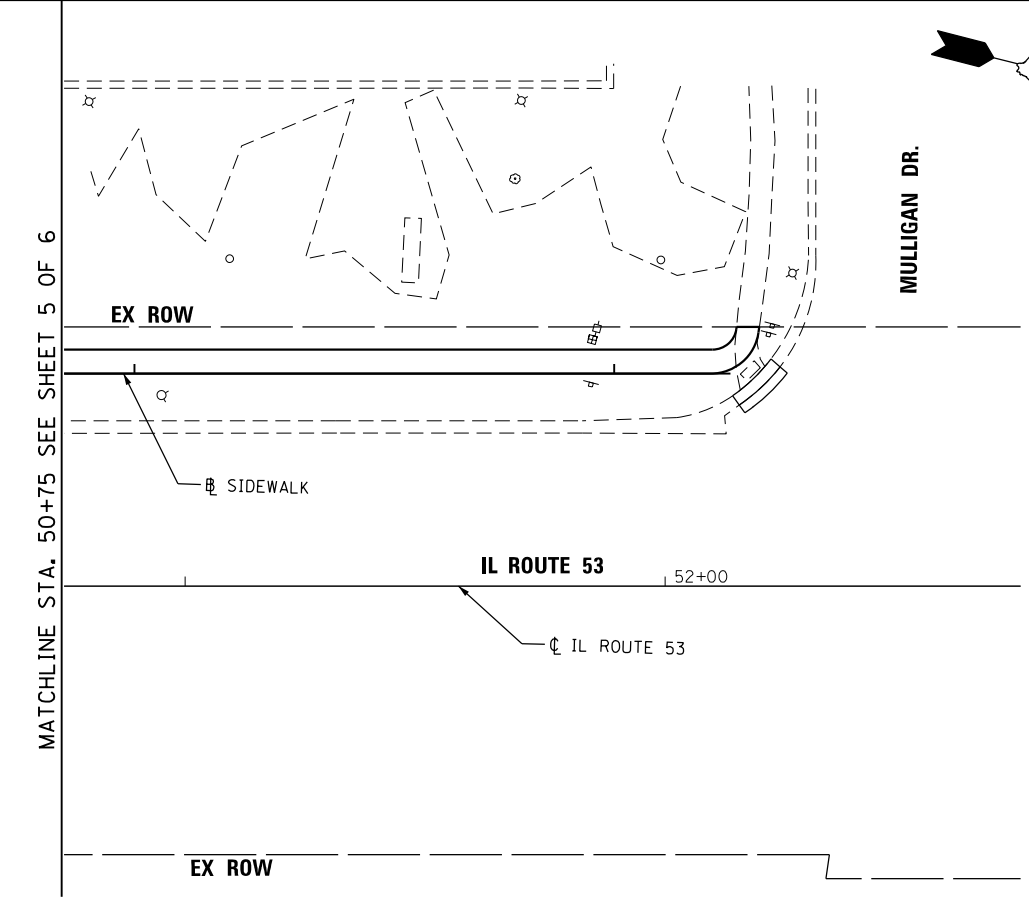
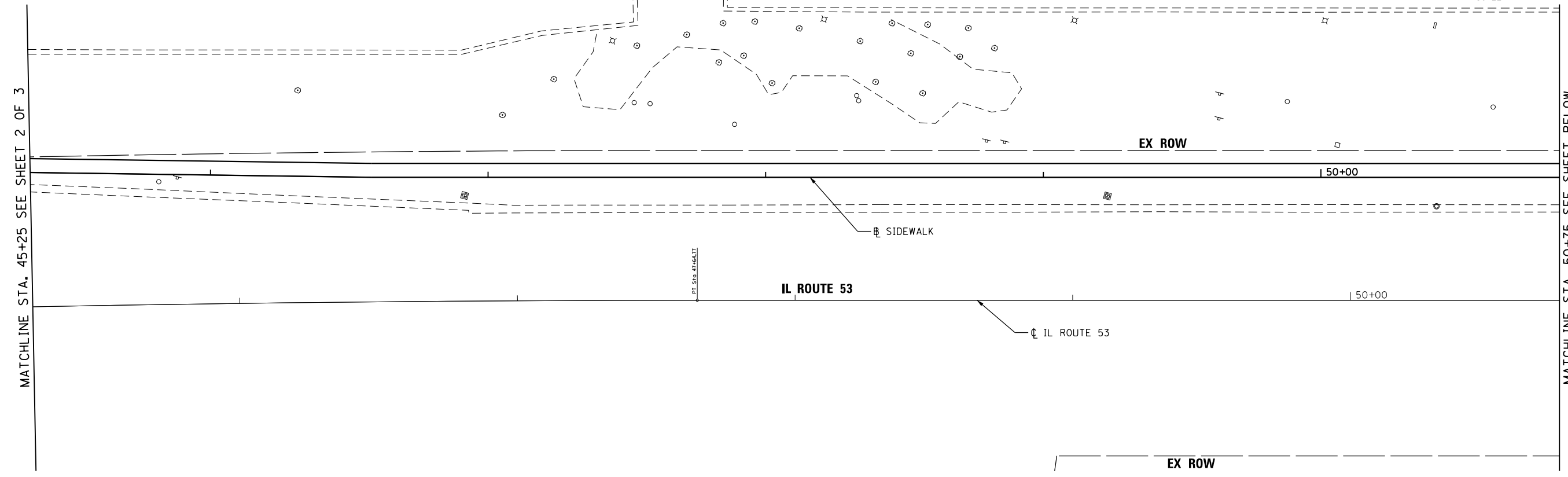
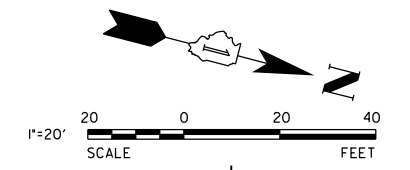
USER NAME = jshly	DESIGNED - CJF	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - CJF	REVISED -
PLOT DATE = 12/23/2020	CHECKED - JDH	REVISED -
	DATE - 11/16/18	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN

SCALE: 1"=20' SHEET 2 OF 3 SHEETS STA. 34+20.00 TO STA. 45+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	17-00077-00-SW	DUPAGE	56	32
PROJECT: 08MC(421); JOB: C-91-230-18				
ILLINOIS Contract No. 61F88				



V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = jholly	DESIGNED - CJF	REVISED -
	PLOT SCALE = 40.0000' / in.	DRAWN - CJF	REVISED -
	PLOT DATE = 12/23/2020	CHECKED - JDH	REVISED -
		DATE - 11/16/18	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

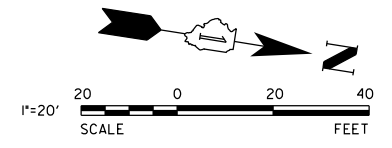
PAVEMENT MARKING PLAN

SCALE: 1"=20' SHEET 3 OF 3 SHEETS STA. 45+25.00 TO STA. 52+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	17-00077-00-SW	DUPAGE	56	33
PROJECT: 08MC(421); JOB: C-91-230-18				
ILLINOIS			Contract No. 61F88	

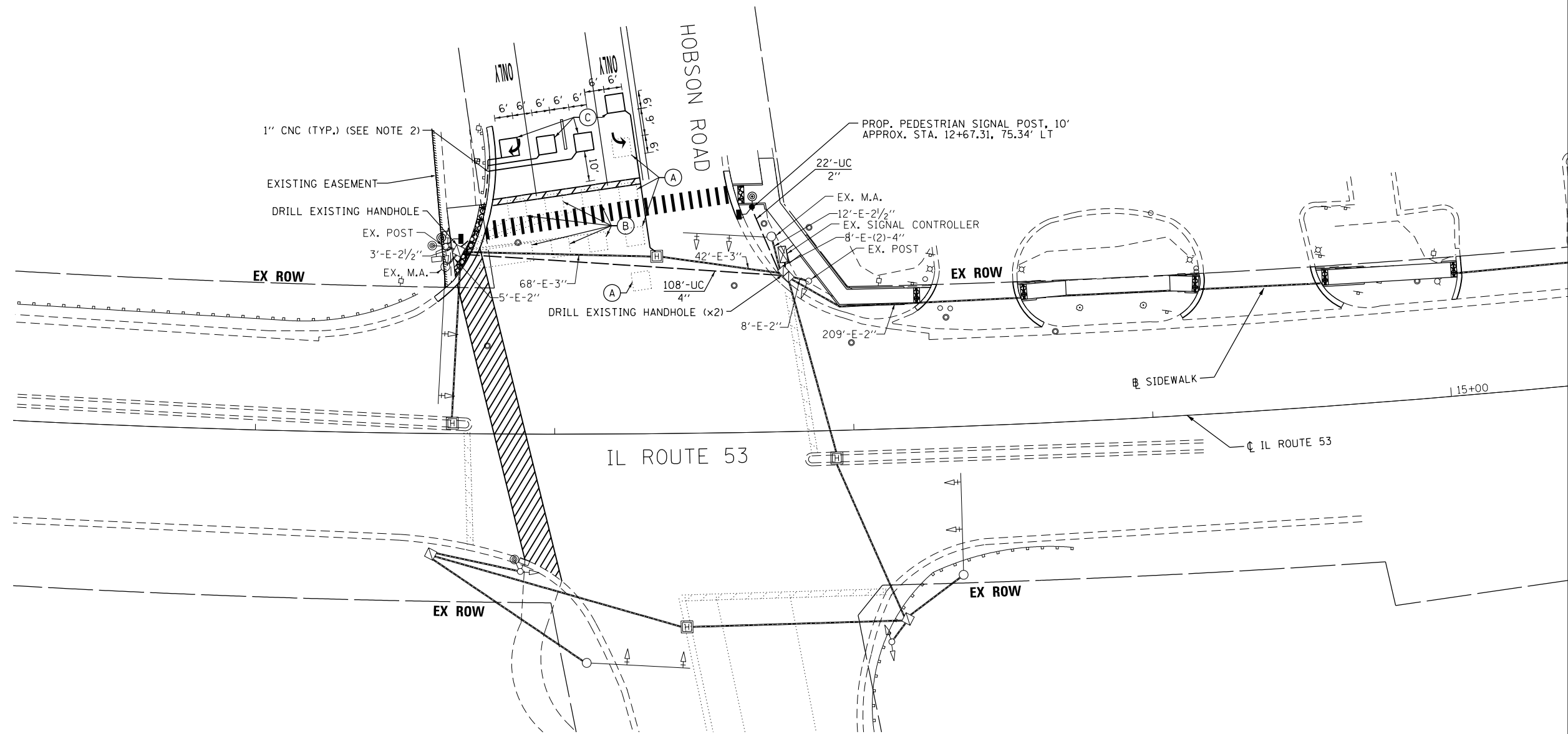
TRAFFIC SIGNAL NOTES:

1. ALL EQUIPMENT TO REMAIN UNLESS OTHERWISE NOTED.
2. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.



INDUCTIVE DETECTOR LOOP LEGEND:

- (A) EXISTING INDUCTIVE LOOP TO REMAIN.
- (B) EXISTING INDUCTIVE LOOP TO BE ABANDONED.
- (C) NEW INDUCTIVE LOOP TO SERVICE PROPOSED STOP BAR LOCATION. PROPOSED LOOP TO BE SPLICED TO EXISTING HOME-RUN CABLE IN HANDHOLE.



TS 6225



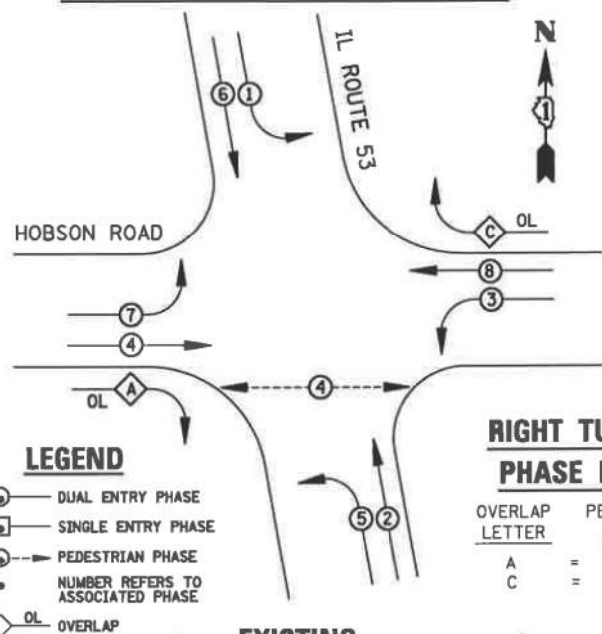
USER NAME = jholly	DESIGNED - CJF	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - CJF	REVISED -
PLOT DATE = 12/23/2020	CHECKED - JDH	REVISED -
	DATE - 11/16/18	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGNAL PLAN IL ROUTE 53 AND HOBSON ROAD	
SCALE: 1" = 20'	SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	17-00077-00-SW	DUPAGE	56	34
PROJECT: 08MC(421); JOB: C-91-230-18				
ILLINOIS			Contract No. 61F88	

EXISTING CONTROLLER SEQUENCE



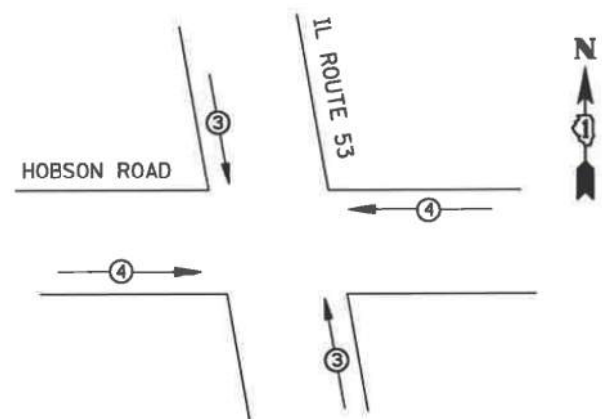
LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE
- OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 4	+ 5
C	= 8	+ 1

EXISTING PHASE DESIGNATION DIAGRAM



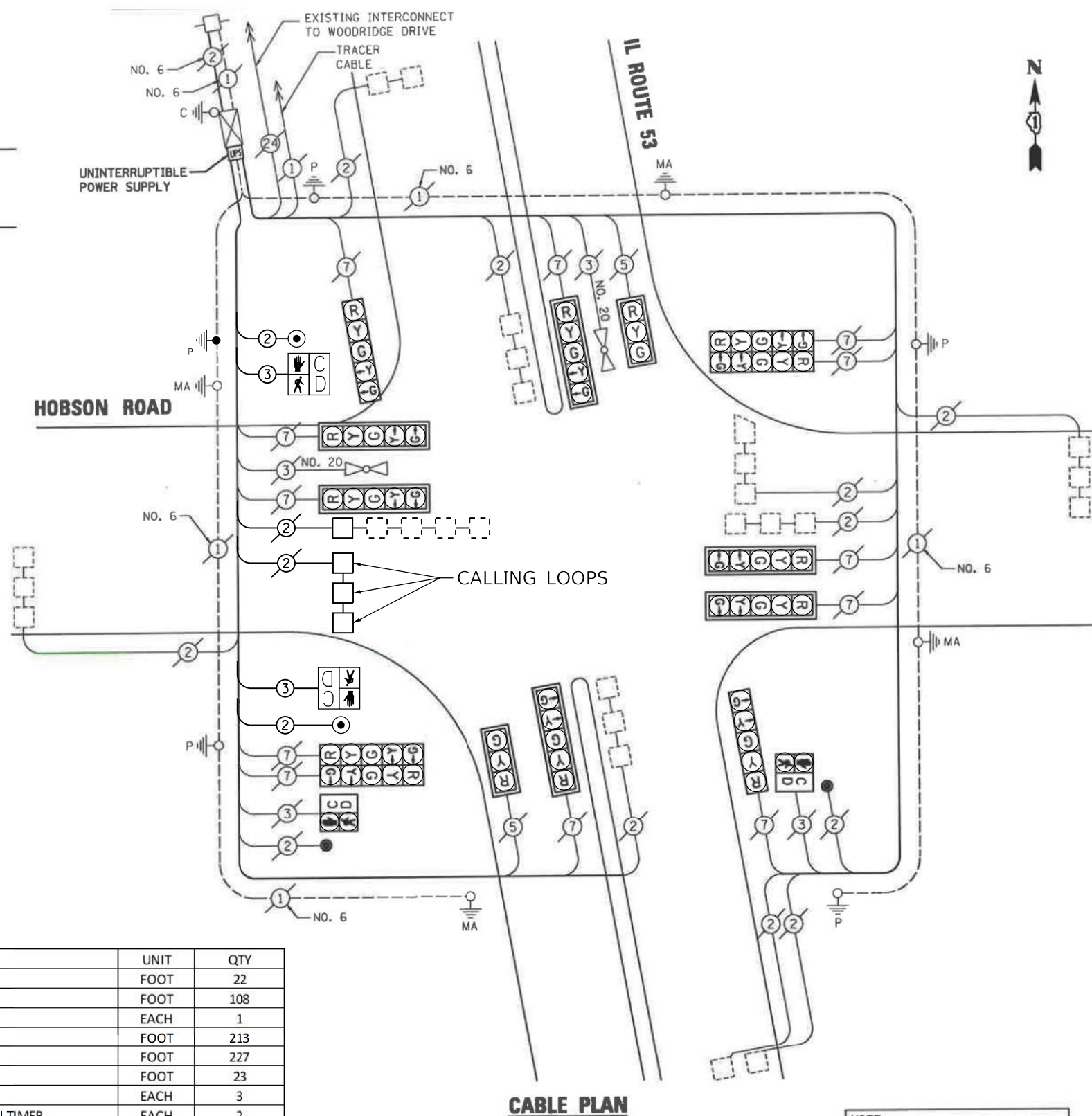
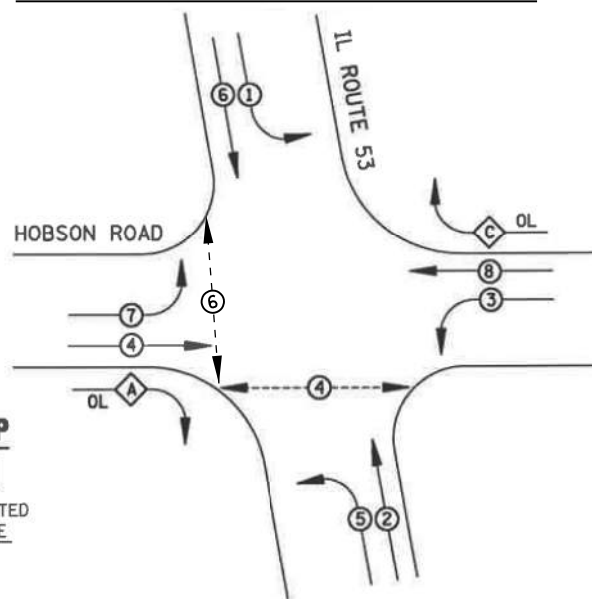
EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↑	→

EMERGENCY VEHICLE PREEMPTION SEQUENCE

IDOT TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	135	17	0.50	119
(YELLOW)	14	135	25	0.25	87.5
(GREEN)	14	135	15	0.25	52.5
(ARROW)	24	135	12	0.10	28.8
PED. SIGNAL	4	90	25	1.00	100
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84		0.05	
FLASHER		135	25	0.50	
ENERGY COSTS TO:					TOTAL =
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096					487.8

ENERGY SUPPLY CONTACT: _____
PHONE: _____
COMPANY: _____

PROPOSED CONTROLLER SEQUENCE



CABLE PLAN

NOTE: THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

ITEM	UNIT	QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	22
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	108
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	213
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	227
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	23
DRILL EXISTING HANDHOLE	EACH	3
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
DETECTOR LOOP, TYPE I	FOOT	194
PEDESTRIAN PUSH-BUTTON	EACH	2
MODIFY EXISTING CONTROLLER	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1



USER NAME = j_holy
DESIGNED - CJF
DRAWN - CJF
CHECKED - JDH
DATE - 11/16/18

REVISIONS:
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND SCHEDULE OF QUANTITIES IL ROUTE 53 AND HOBSON ROAD

SCALE: NTS SHEET 2 OF 4 SHEETS STA. TO STA.

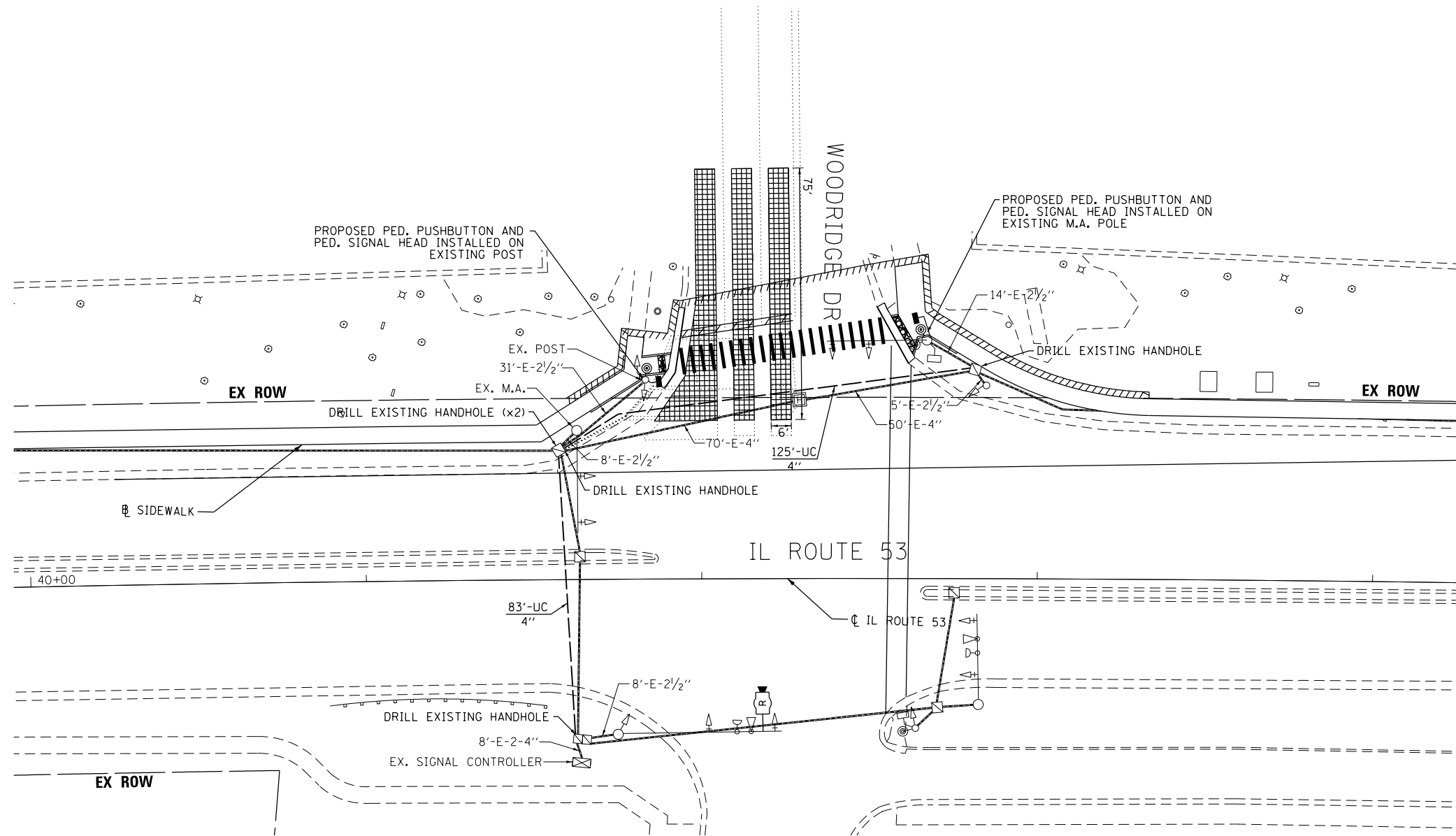
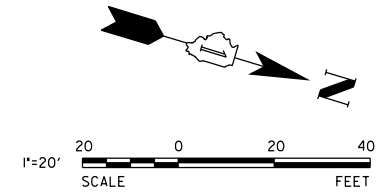
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	17-00077-00-SW	DUPAGE	56	35

PROJECT: 08MC(421); JOB: C-91-230-18
ILLINOIS Contract No. 61F88

TS 6225

TRAFFIC SIGNAL NOTES:

1. ALL EQUIPMENT TO REMAIN UNLESS OTHERWISE NOTED.
2. ALL EXISTING DETECTOR LOOPS ON EASTBOUND WOODRIDGE DRIVE TO BE ABANDONED.



TS 6255



USER NAME = jholly	DESIGNED - CJF	REVISED -
DRAWN - CJF	REVISOR -	
CHECKED - JDH	REVISOR -	
DATE - 11/16/18	REVISOR -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

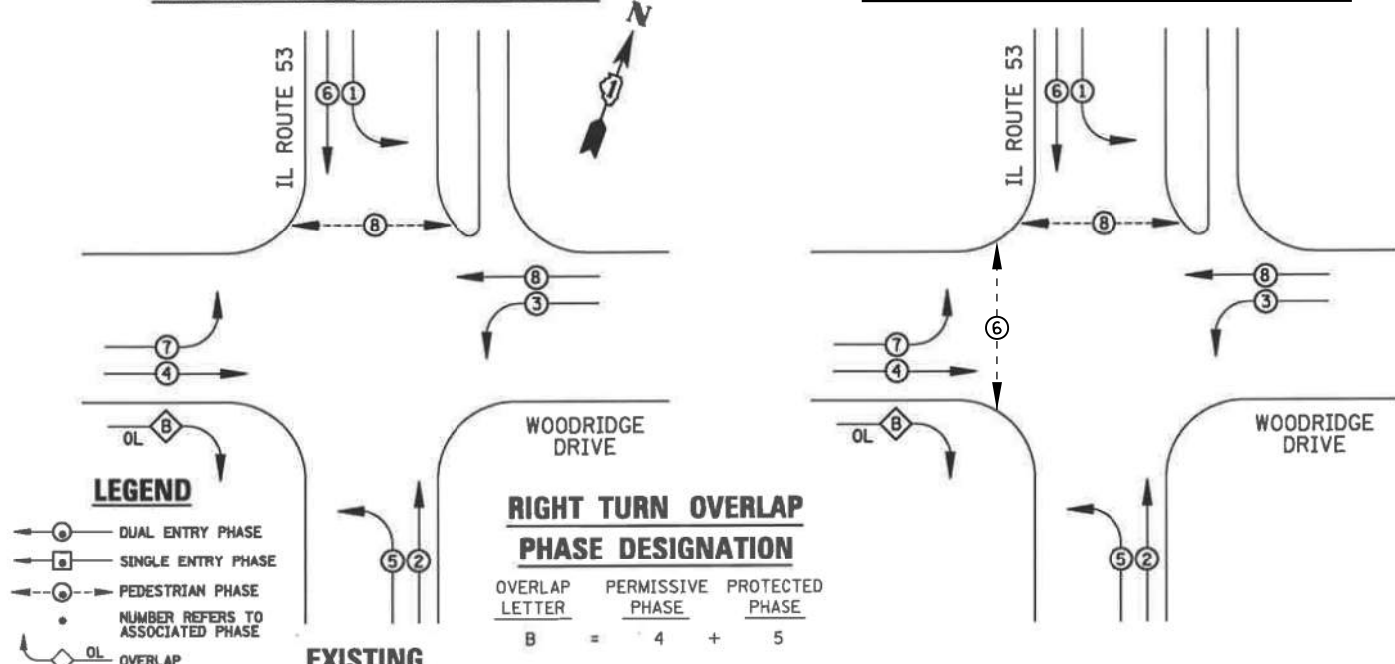
**SIGNAL PLAN
IL ROUTE 53 AND WOODRIDGE DRIVE**

SCALE: 1" = 20' SHEET 3 OF 4 SHEETS STA. TO STA.

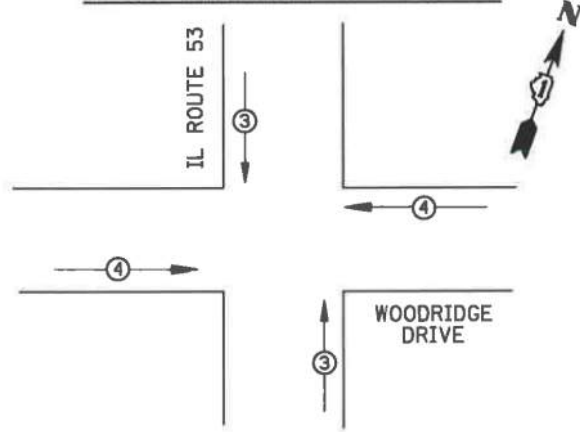
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	17-00077-00-SW	DUPAGE	56	36
PROJECT: 08MC(421); JOB: C-91-230-18				
ILLINOIS Contract No. 61F88				

EXISTING CONTROLLER SEQUENCE

PROPOSED CONTROLLER SEQUENCE



EXISTING PHASE DESIGNATION DIAGRAM

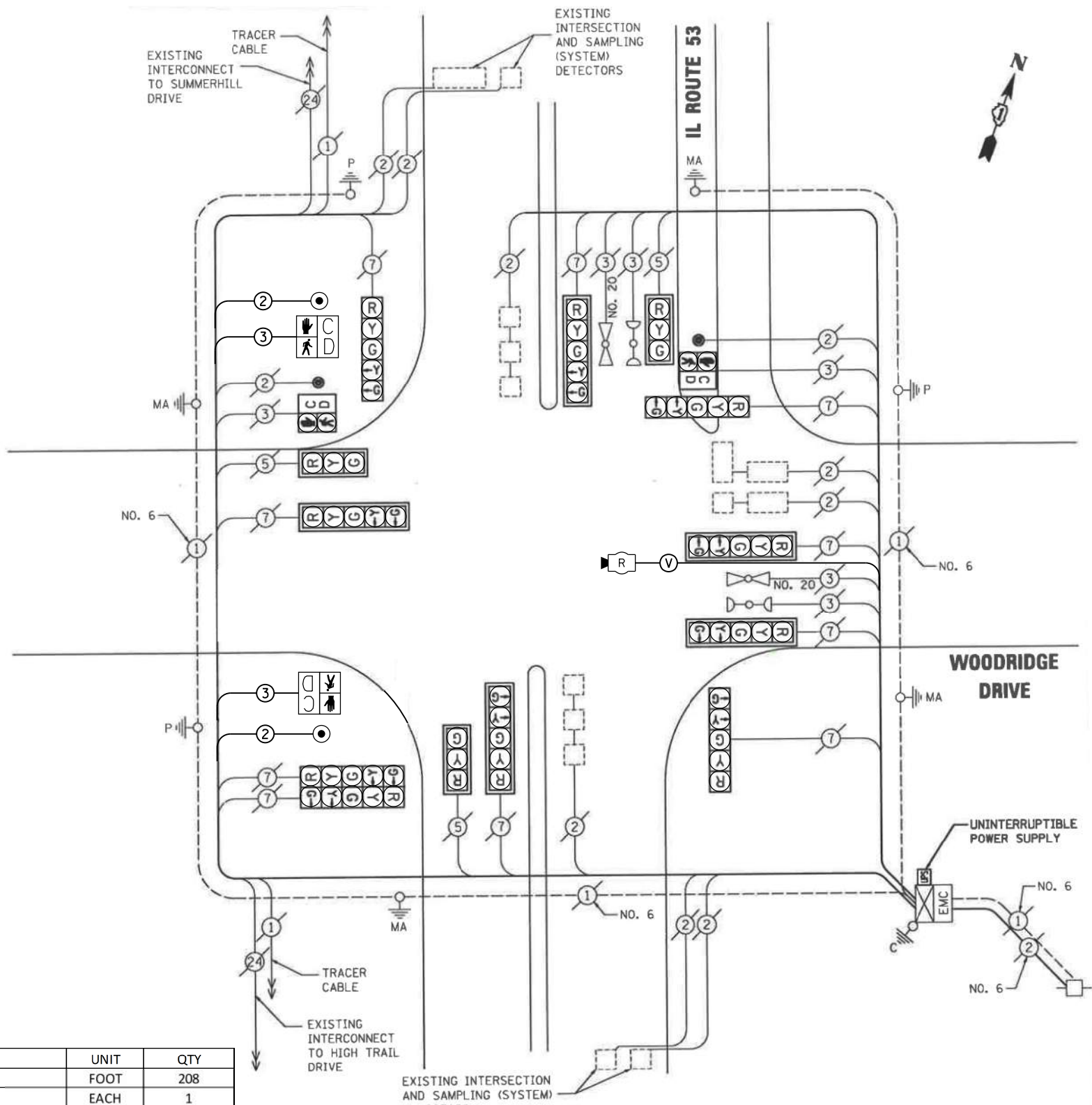


EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↑	→

EMERGENCY VEHICLE PREEMPTION SEQUENCE

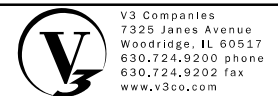
IDOT TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	13	135	17	0.50	110.5
(YELLOW)	13	135	25	0.25	81.25
(GREEN)	13	135	15	0.25	48.75
(ARROW)	20	135	12	0.10	24
PED. SIGNAL	4	90	25	1.00	100
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84		0.05	
RADAR SYSTEM	1	150		1.00	150
FLASHER		135	25	0.50	
ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION, 201 WEST CENTER COURT, SCHAMBURG, IL 60196-1096					TOTAL = 614.5

ITEM	UNIT	QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	208
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	406
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	420
DRILL EXISTING HANDHOLE	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
PEDESTRIAN PUSH-BUTTON	EACH	2
MODIFY EXISTING CONTROLLER	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1



CABLE PLAN

NOTE: THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



USER NAME = j_holy
 PLOT SCALE = 2.0000' / in.
 PLOT DATE = 12/23/2020

DESIGNED - CJF
 DRAWN - CJF
 CHECKED - JDH
 DATE - 11/16/18

REVISED - 12/21/20
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND SCHEDULE OF QUANTITIES
 IL ROUTE 53 AND WOODRIDGE DRIVE
 SCALE: NTS SHEET 4 OF 4 SHEETS STA. TO STA.

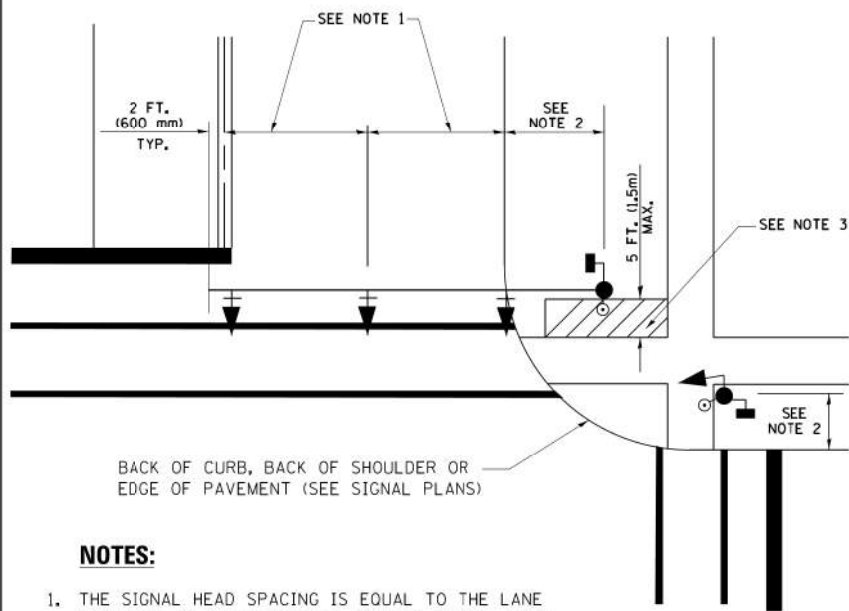
F.A.P. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
 870 17-00077-00-SW DUPAGE 56 37
 PROJECT: 08MC(421); JOB: C-91-230-18
 ILLINOIS Contract No. 61F88

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

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

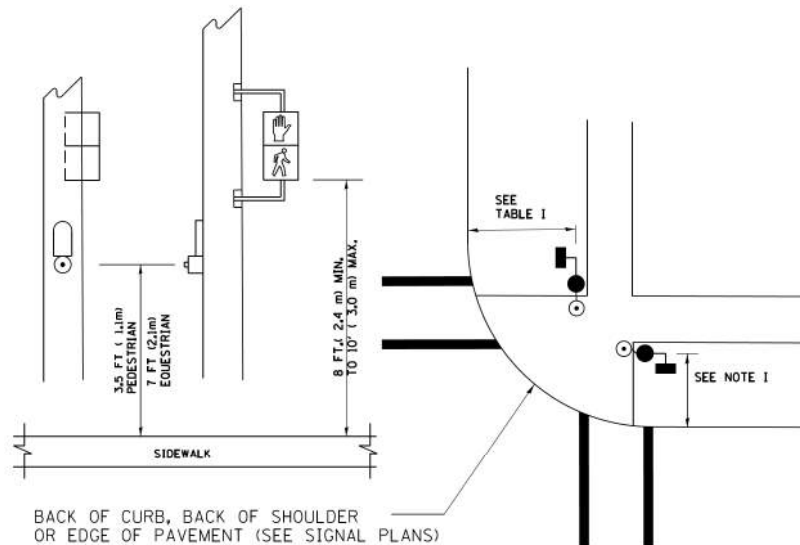
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



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."

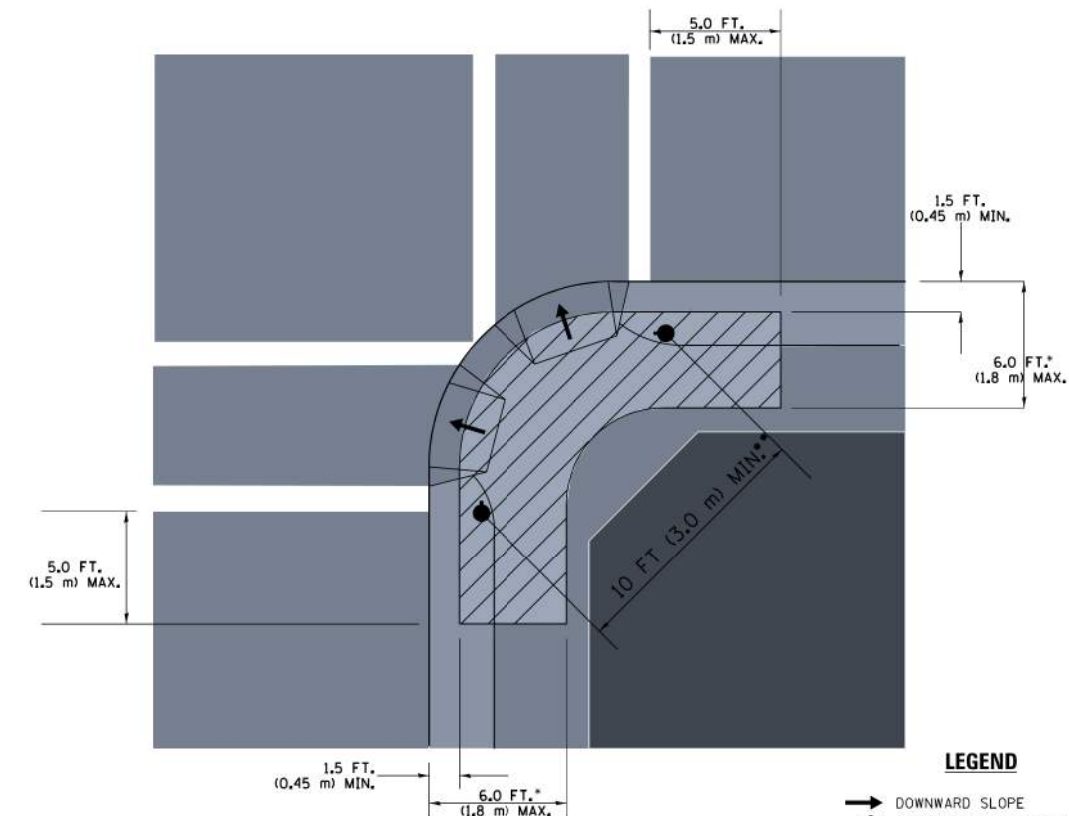
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



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) SEPARATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

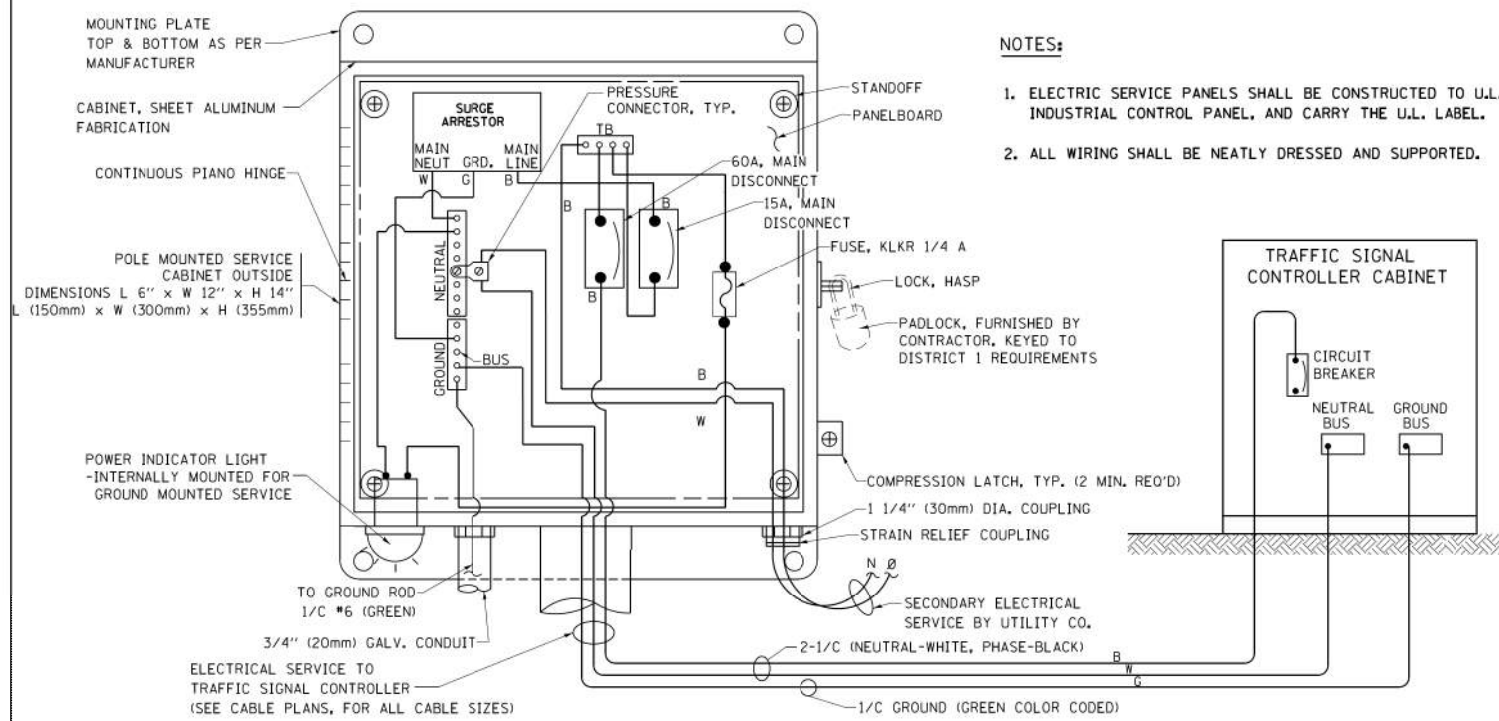
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM 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

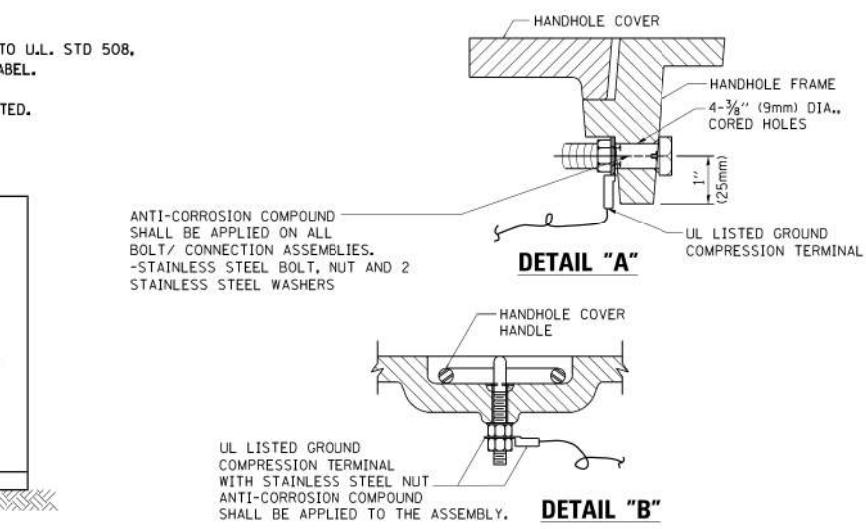
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 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.

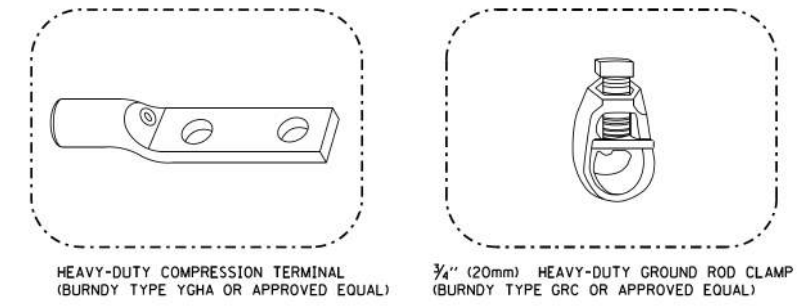
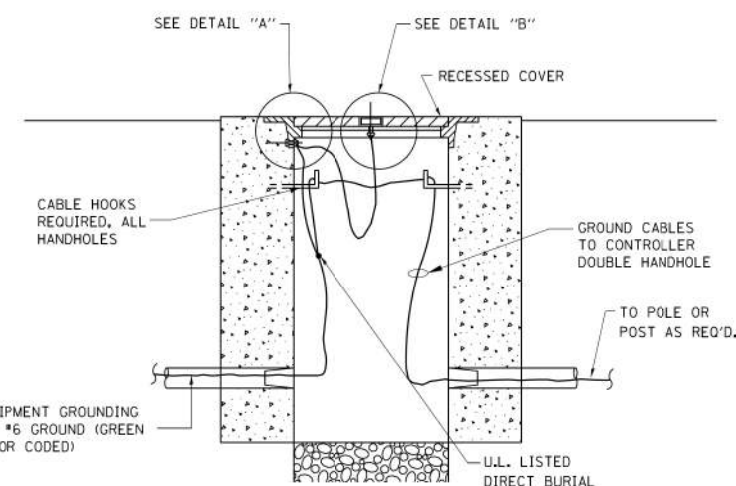
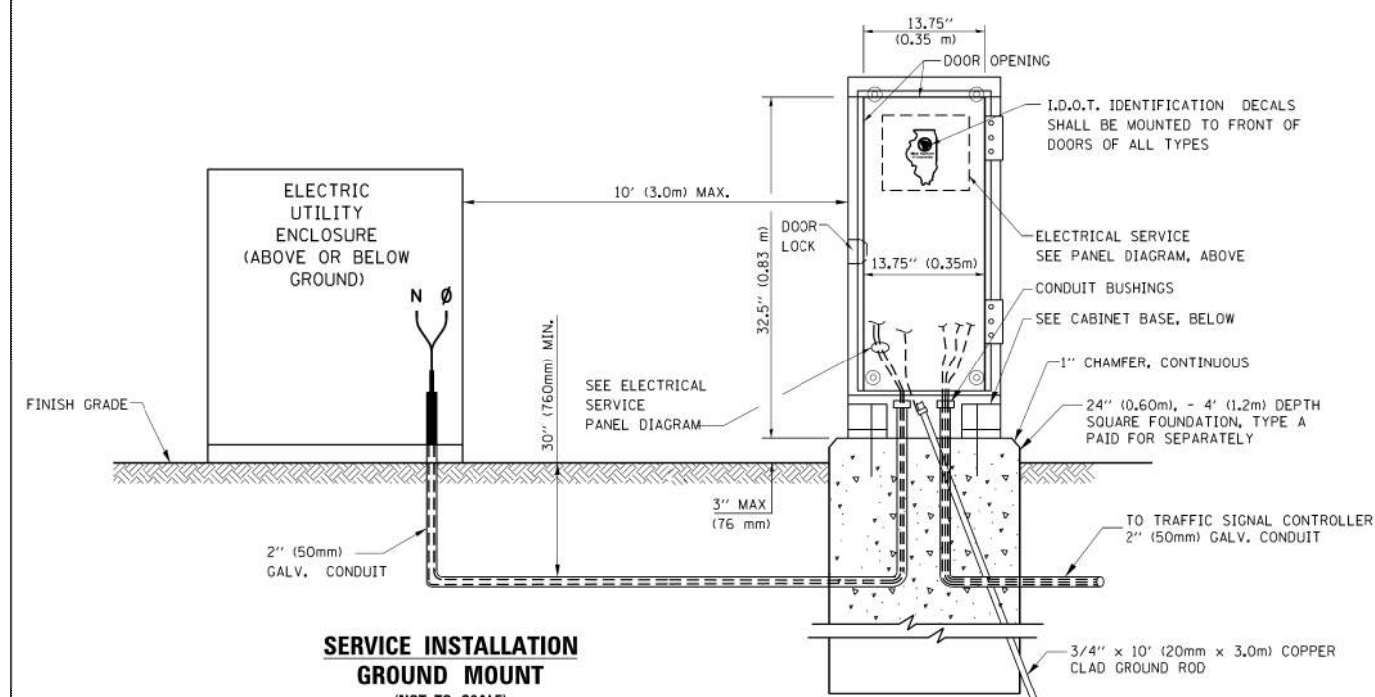


**ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
(NOT TO SCALE)**

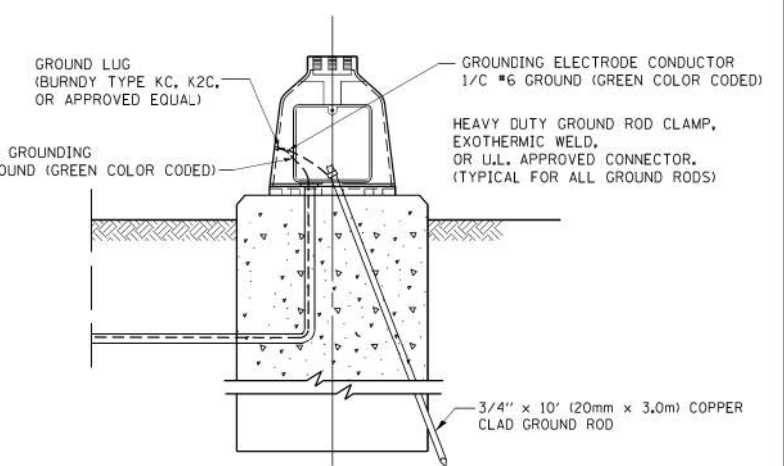
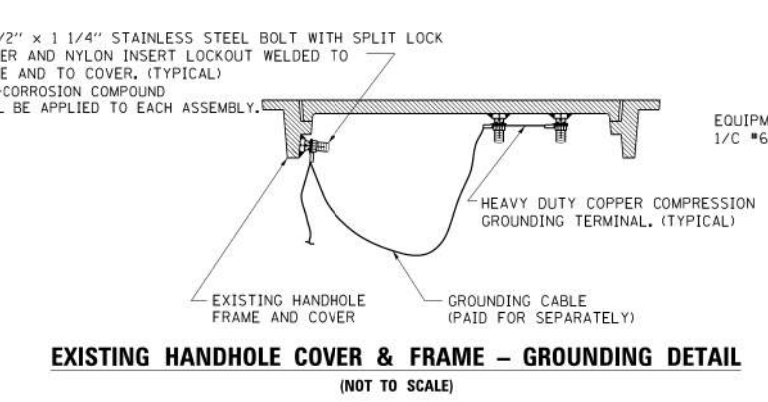


**NOTES:
GROUNDING SYSTEM**

- 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.

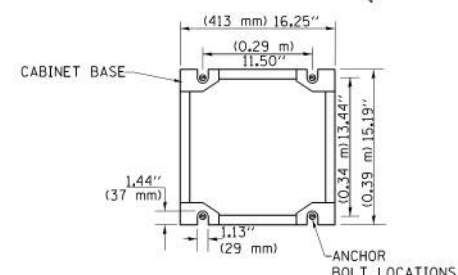


- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



SERVICE INSTALLATION GROUND MOUNT (NOT TO SCALE)

CABINET - BASE BOLT PATTERN (NOT TO SCALE)



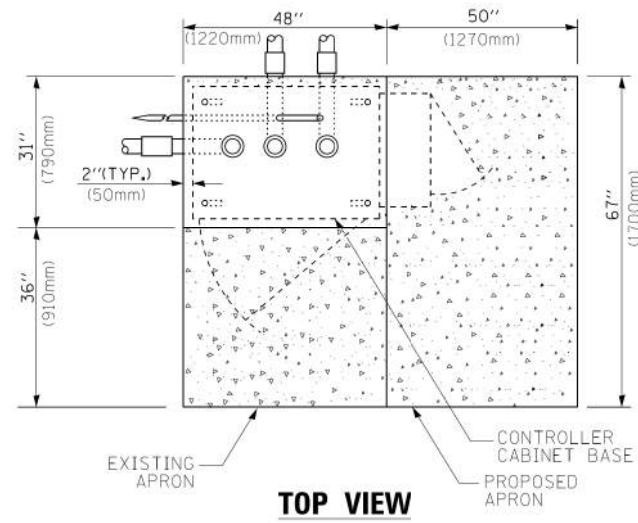
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		CHECKED - DAD	REVISED -
		DATE - 10-28-09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

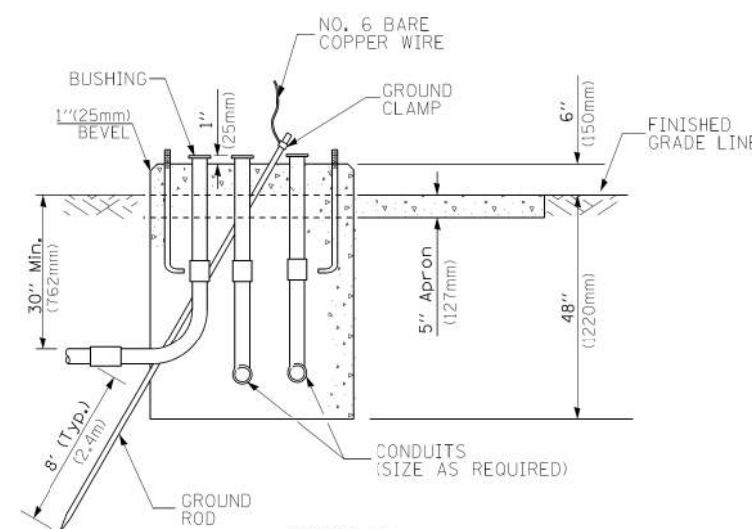
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET NO. 4 OF 7 SHEETS STA. TO STA.

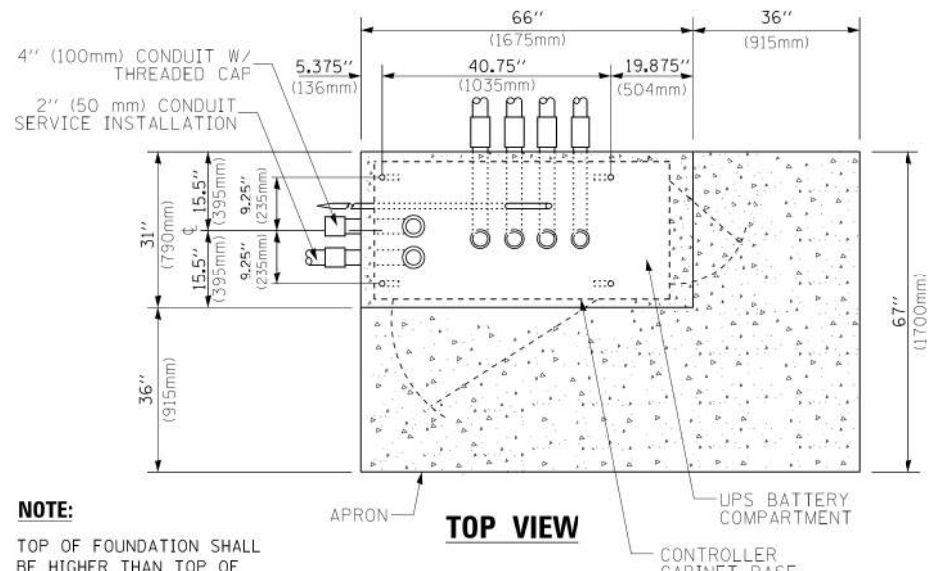
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-05		56	41
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		CONTRACT NO.	61F88	



TOP VIEW

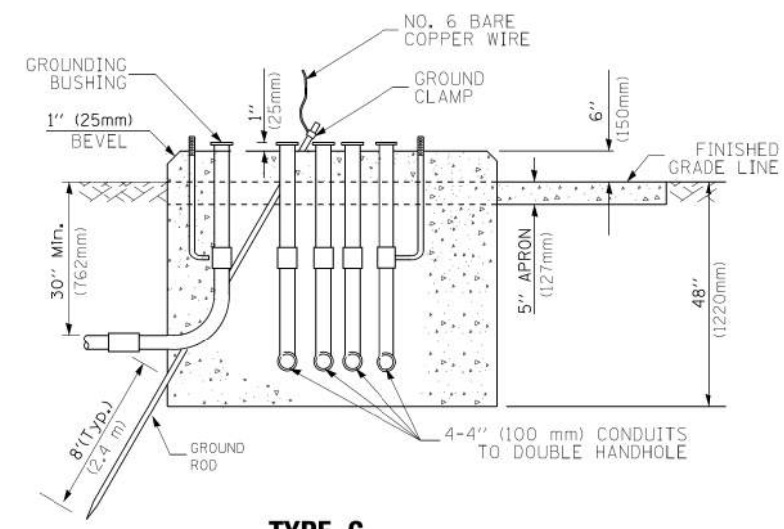


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

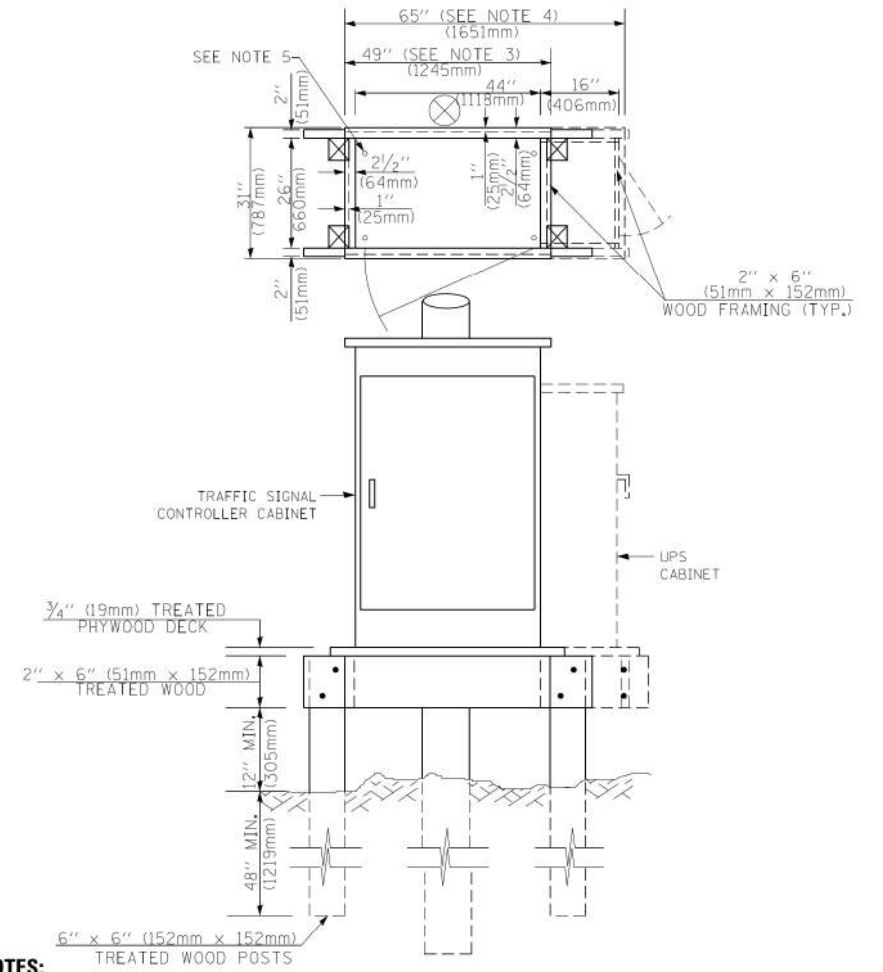


TOP VIEW

NOTE:
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



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



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

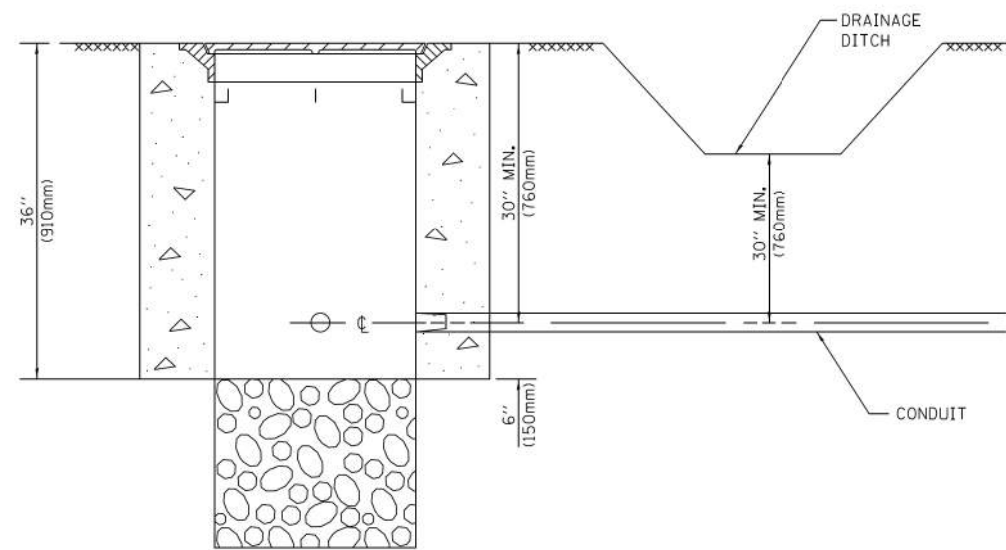
DEPTH OF FOUNDATION

MAST ARM LENGTH	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)	24" (600mm)	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 up to 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)	36" (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)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average unconfined compressive strength (qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001.

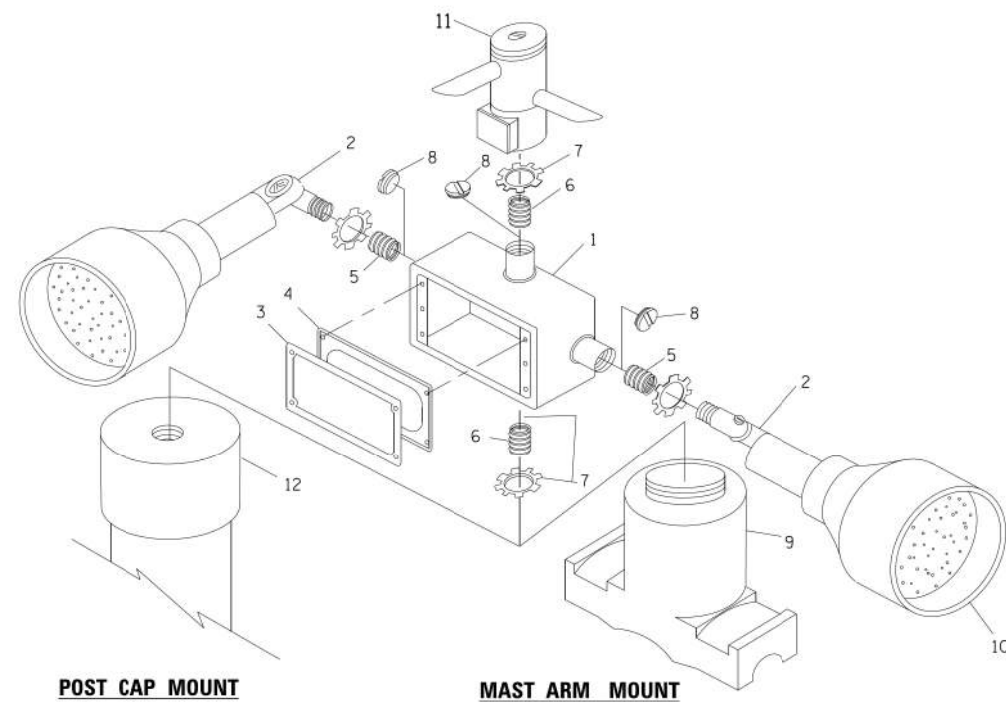
DEPTH OF MAST ARM FOUNDATIONS, TYPE E



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.

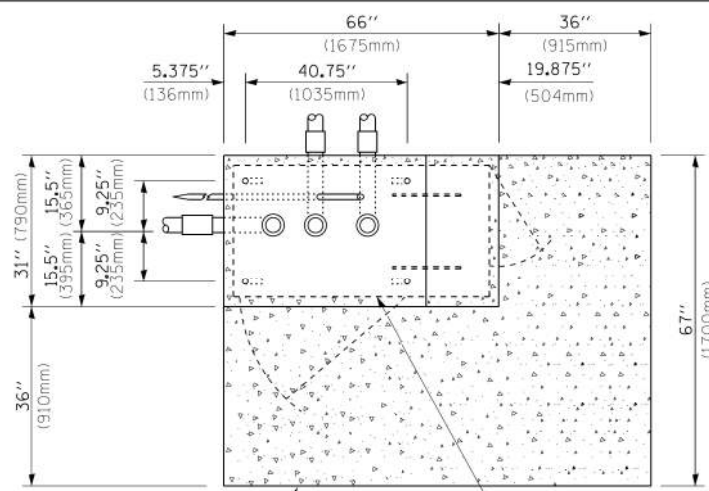
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



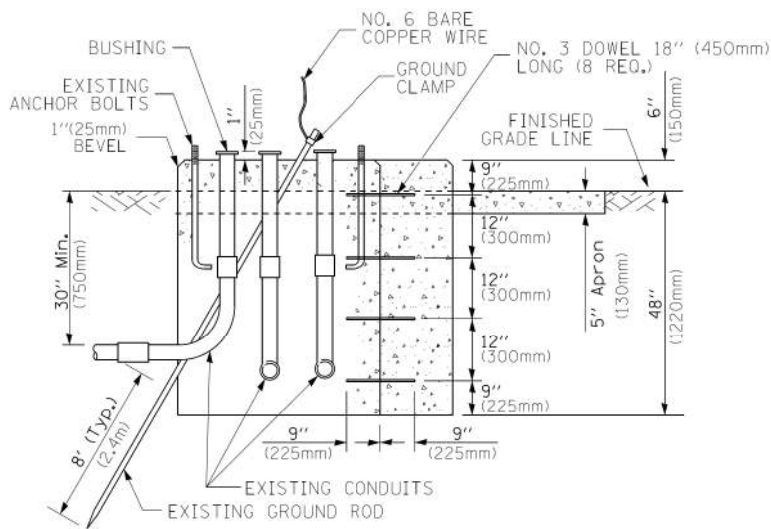
POST CAP MOUNT

MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



TOP VIEW
(NOT TO SCALE)

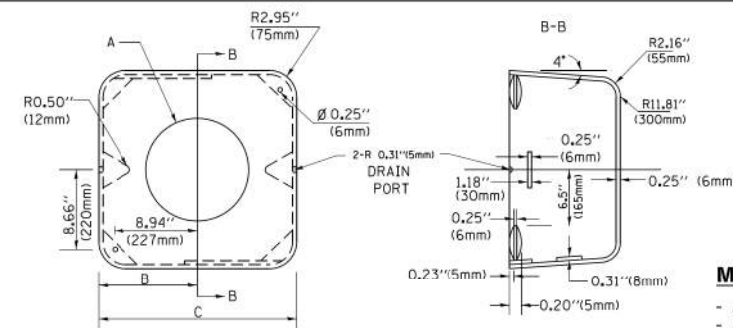


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

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. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



MATERIAL:
- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIABLES	9.5" (241mm)	19" (483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIABLES	10.75" (273mm)	21.5" (546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIABLES	13.0" (330mm)	26" (660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIABLES	18.5" (470mm)	37" (940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

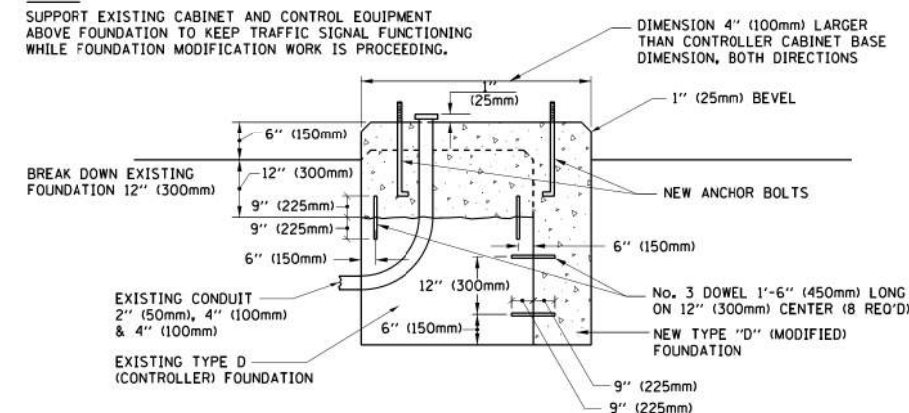
SHROUD

NOTES:

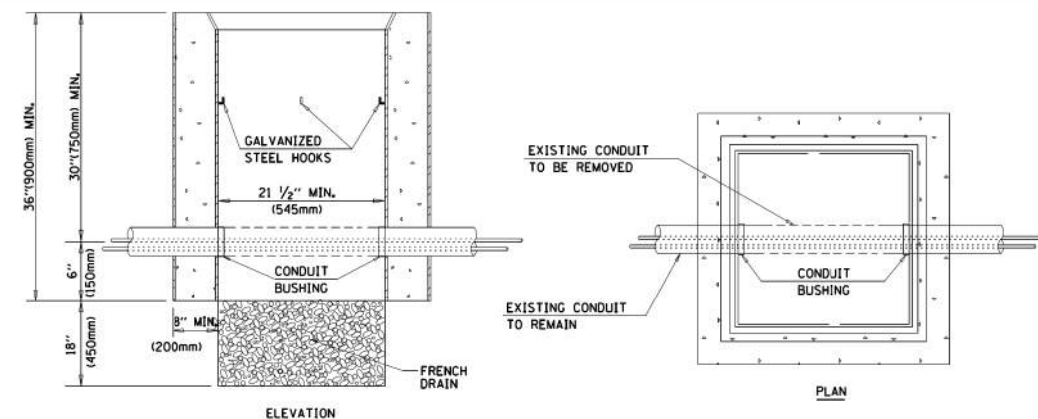
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

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



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

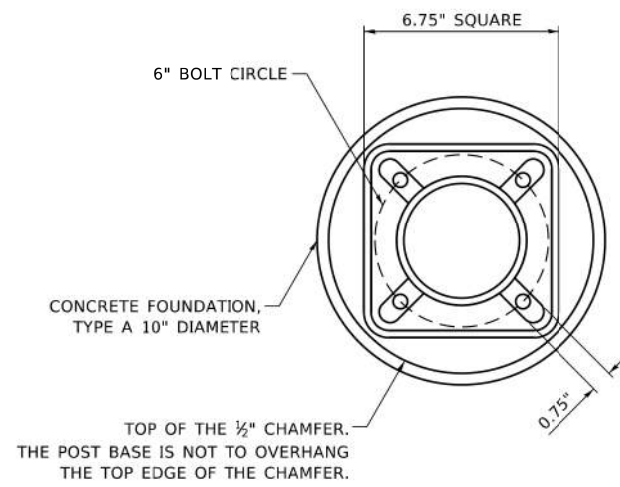
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

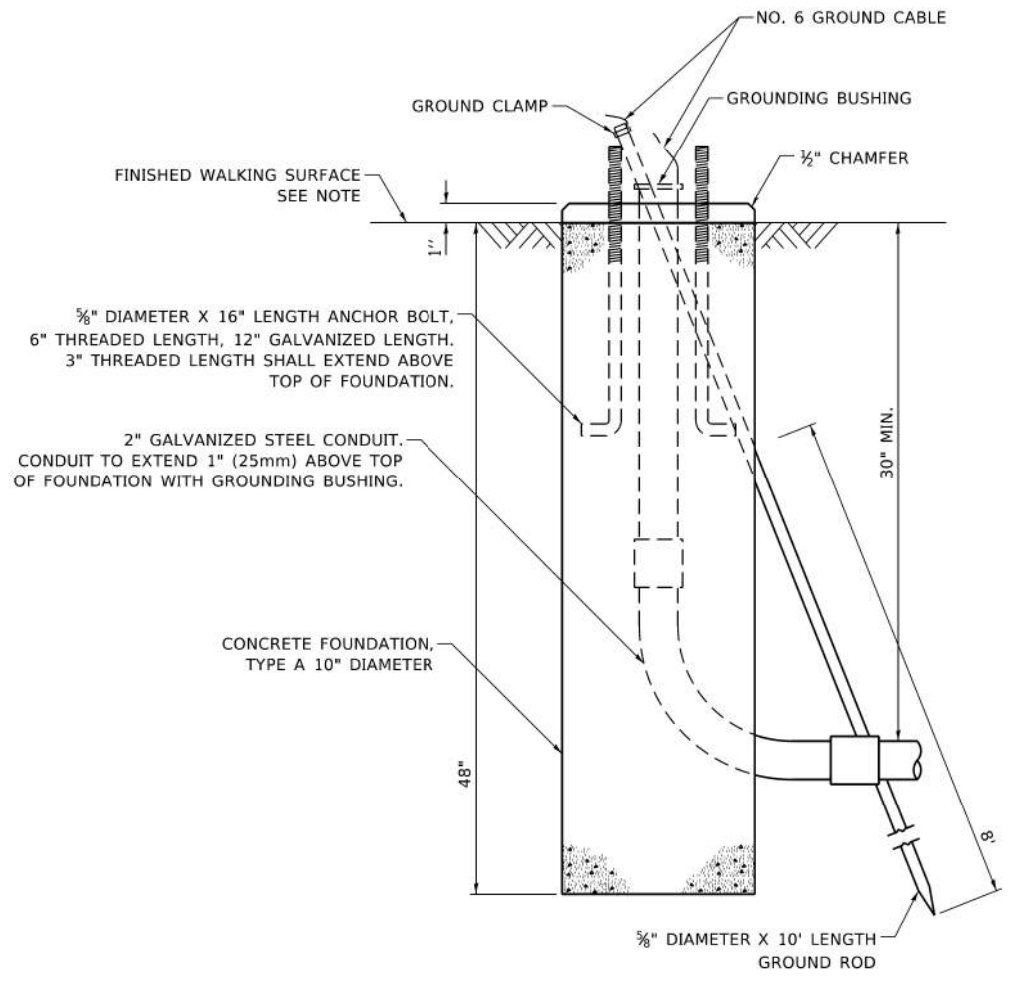
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-05		56	43
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F88	

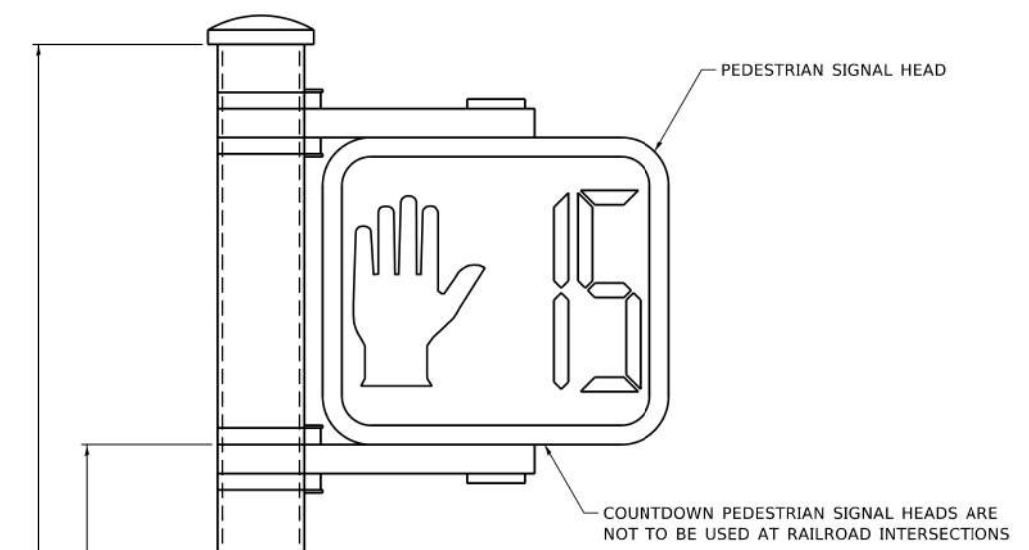


BOLT PATTERN

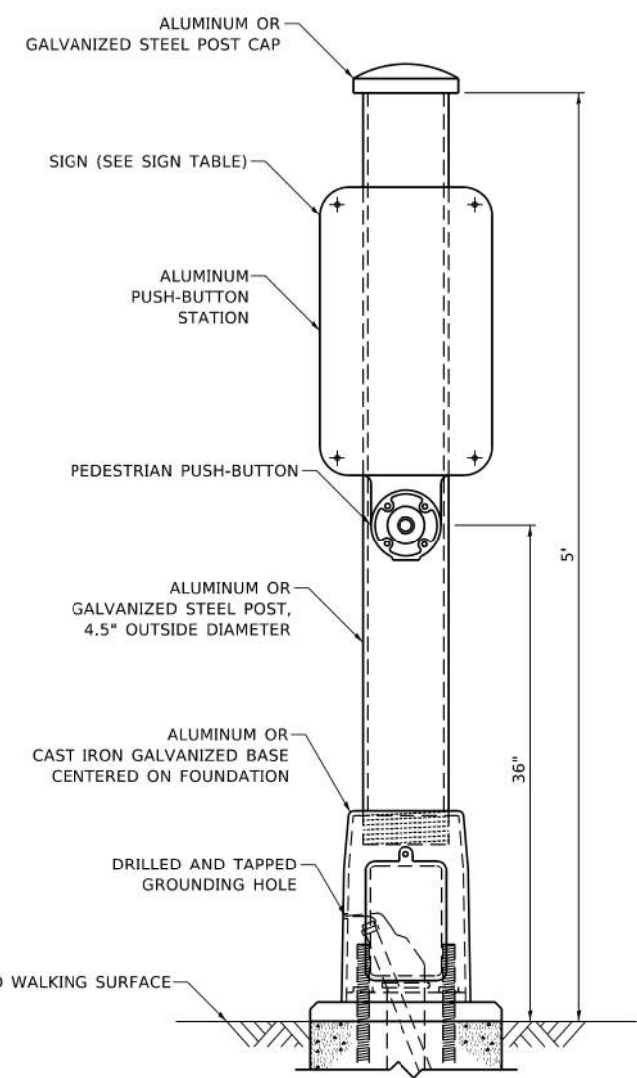
NOTE:
 1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



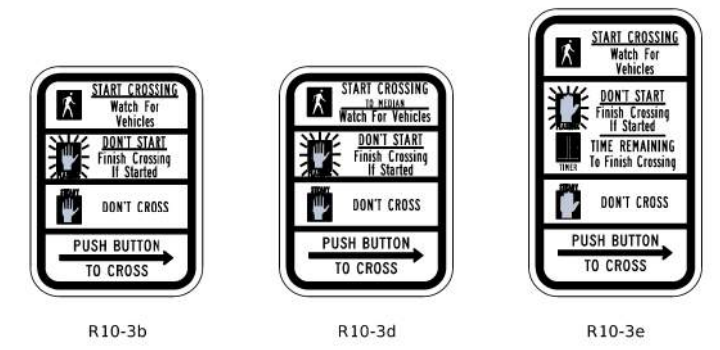
**CONCRETE FOUNDATION,
TYPE A 10-INCH DIAMETER**



PEDESTRIAN SIGNAL POST, 10 FT.



PEDESTRIAN SIGNAL POST, 5 FT.



SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 15"

NOTES:
 1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
 2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
 3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

MODEL: Default FILE NAME: 3:10:2019\Design\Drawn\11_Other\PedestrianPost\PedestrianSignalPost_11-7-19.dgn

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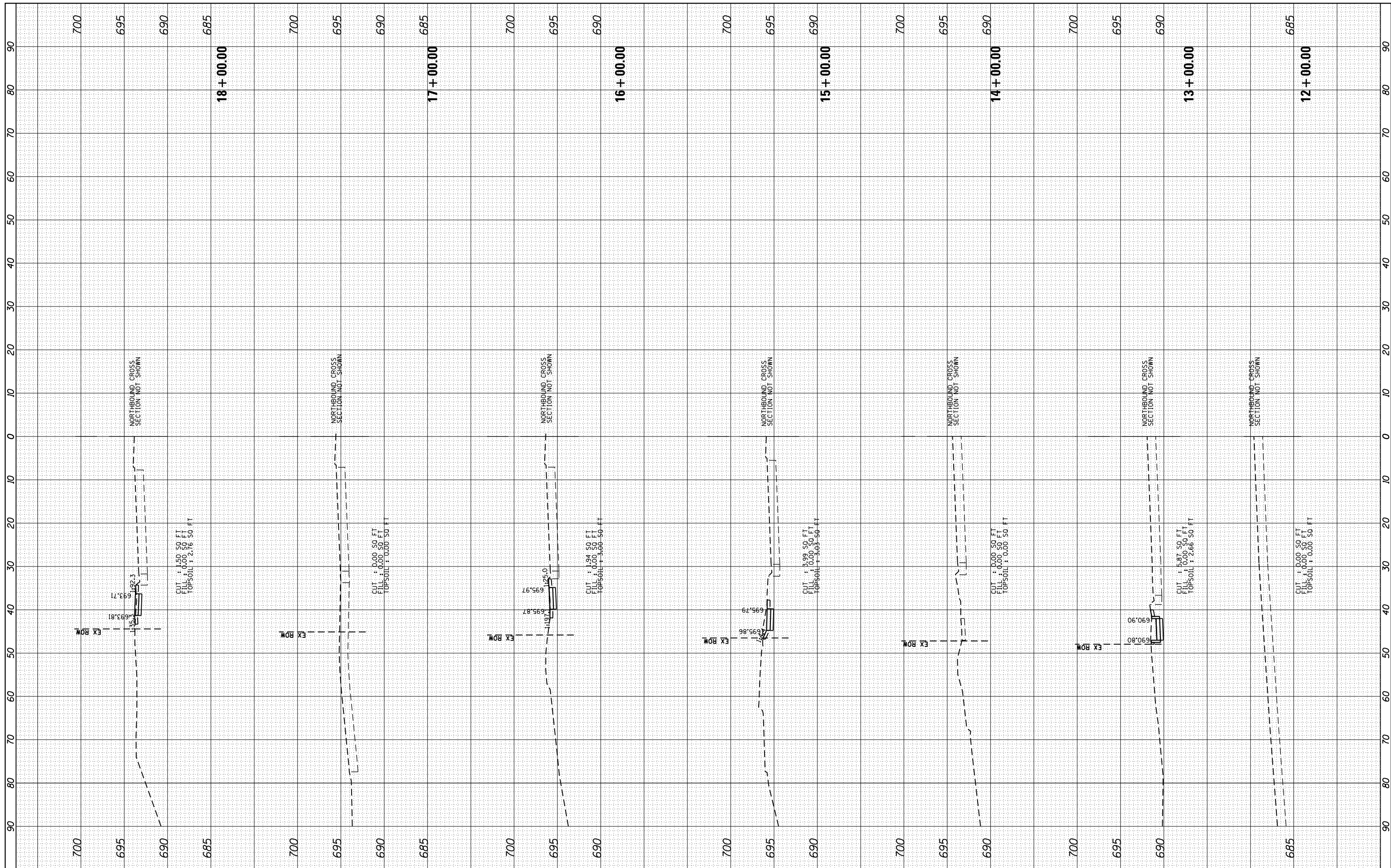
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			56	44
TS-05			CONTRACT NO. 61F88	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



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 PLOT DATE = 12/23/2020

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

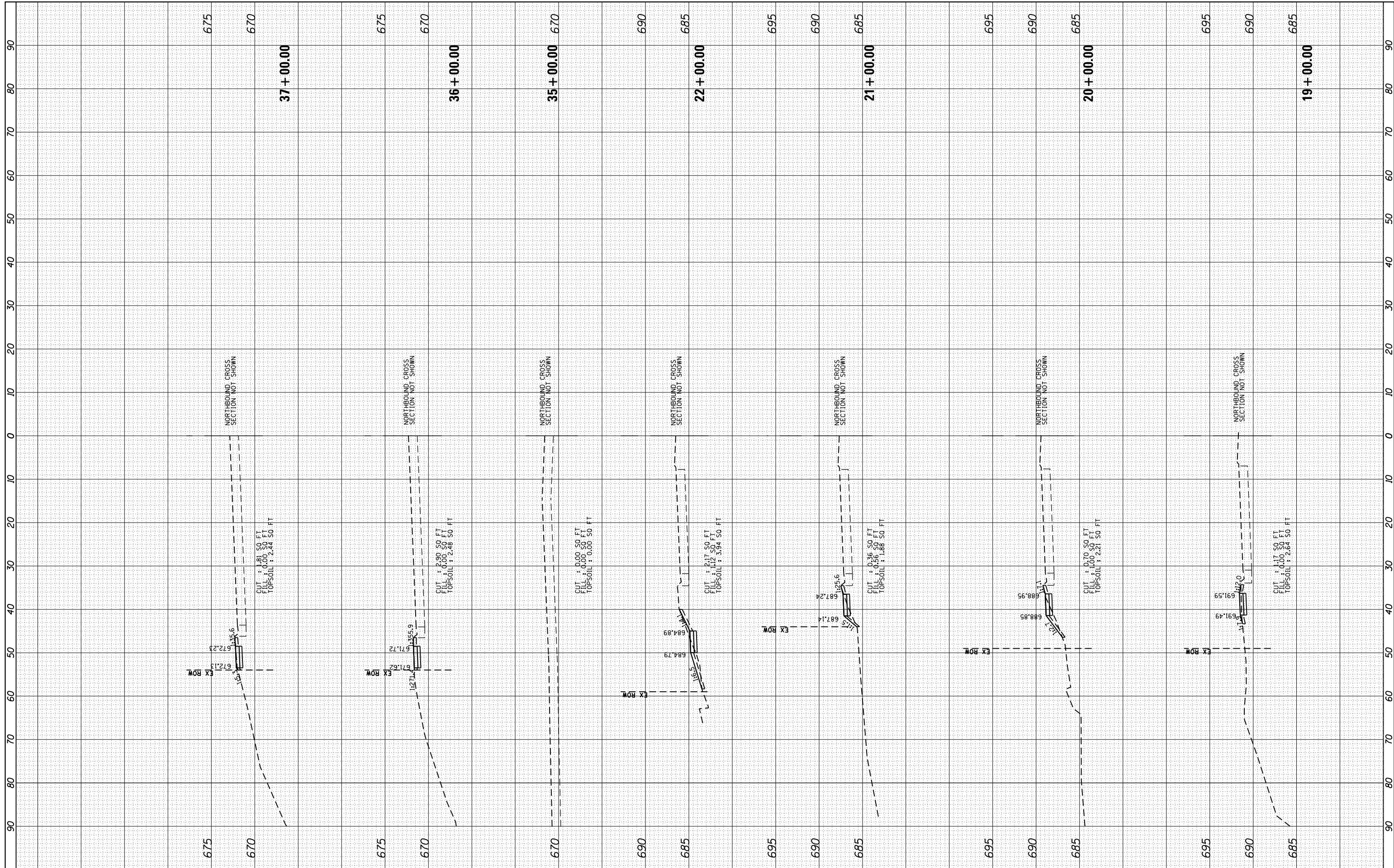
CROSS SECTIONS

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870	17-00077-00-SW	DUPAGE	56	45
PROJECT: 08MC(421); JOB: C-91-230-18				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



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 USER NAME = j_holy
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

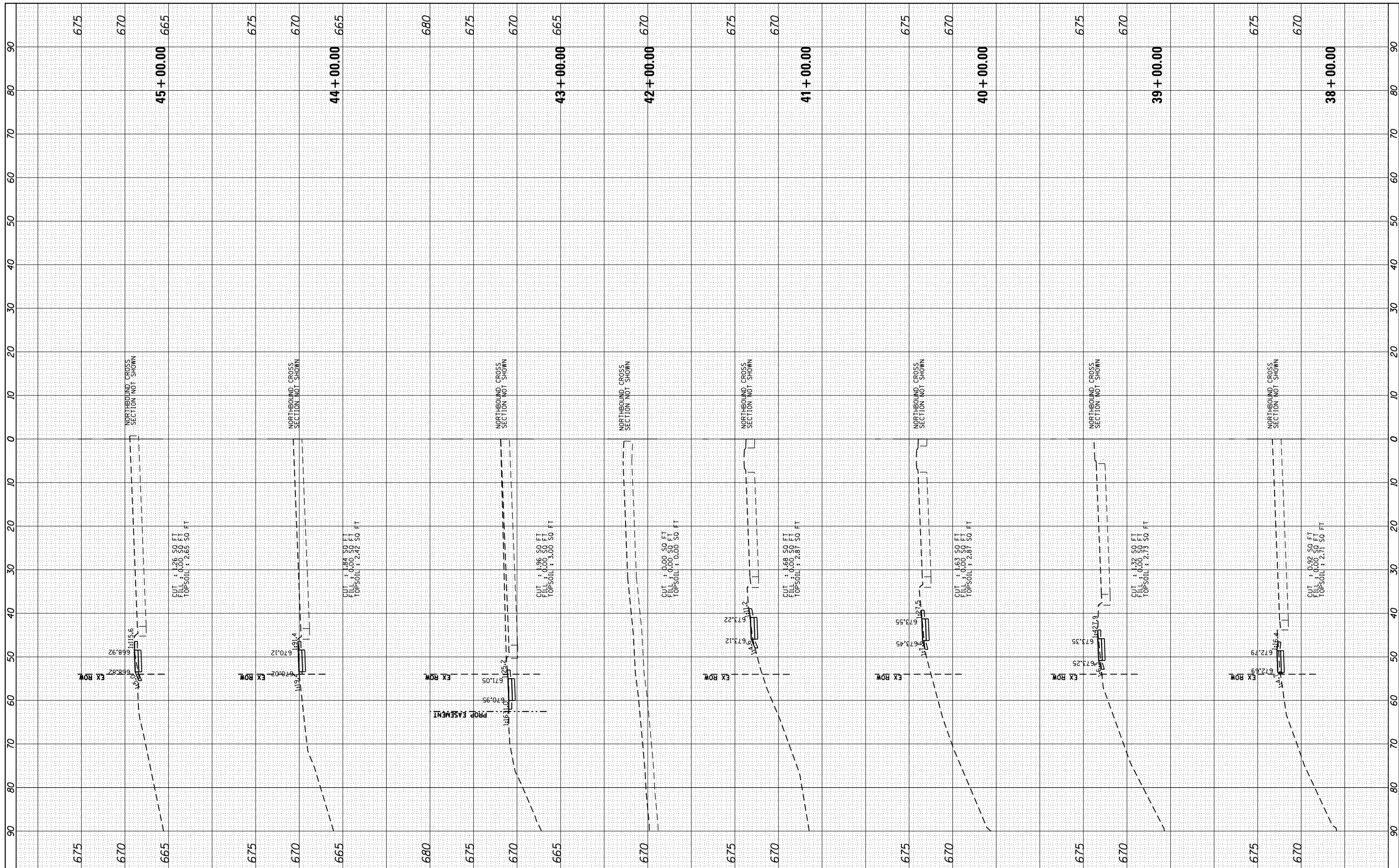
CROSS SECTIONS

SCALE: 1"=10' SHEET 2 OF 4 SHEETS STA. 19+00.00 TO STA. 37+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	17-00077-00-SW	DUPAGE	56	46
PROJECT: 08MC(421); JOB: C-91-230-18				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

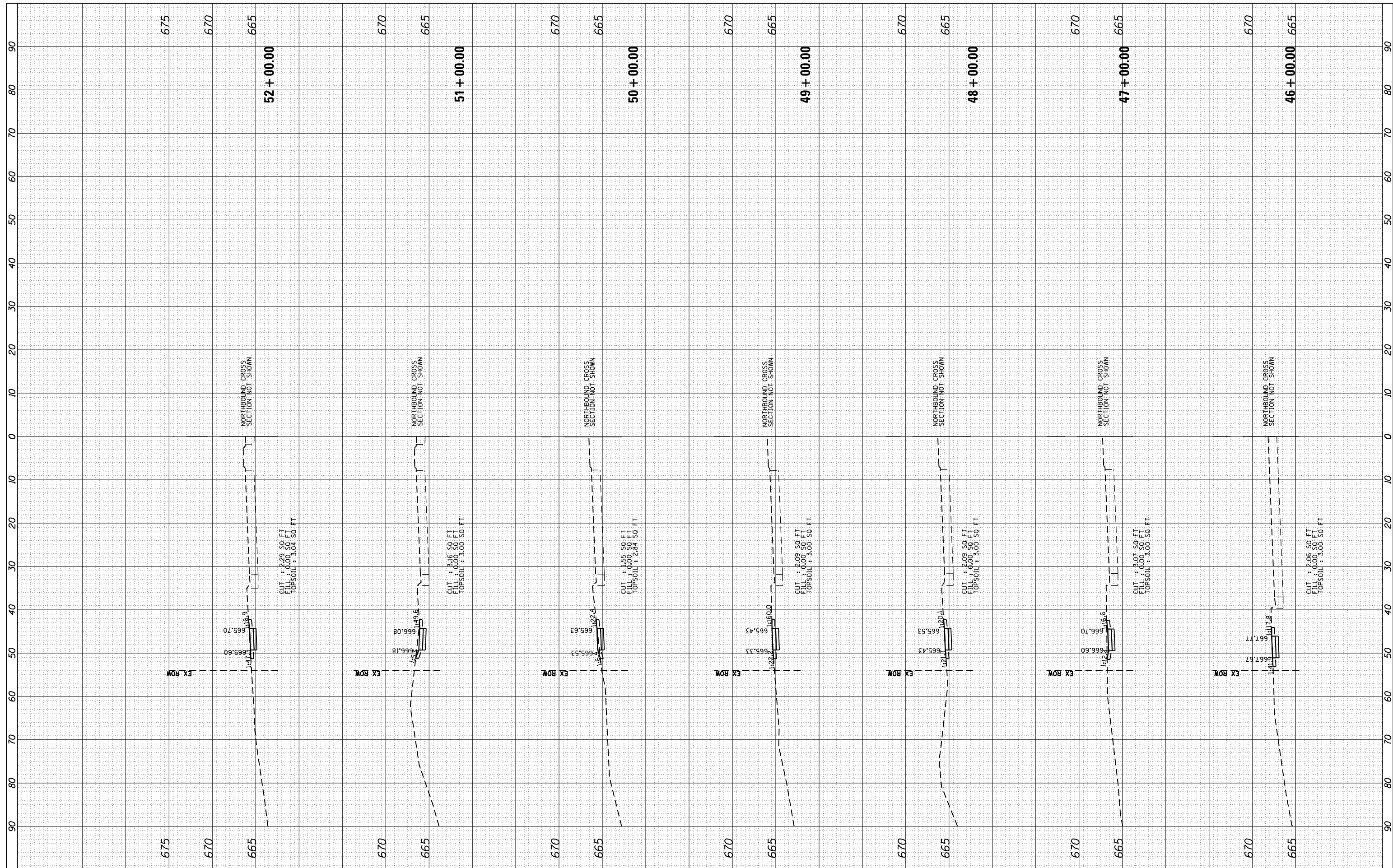
CROSS SECTIONS

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	17-00077-00-SW	DUPAGE	56	47
PROJECT: 08MC(421); JOB: C-91-230-18				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



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 PLOT DATE = 12/23/2020

DESIGNED -
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 CHECKED -
 DATE -

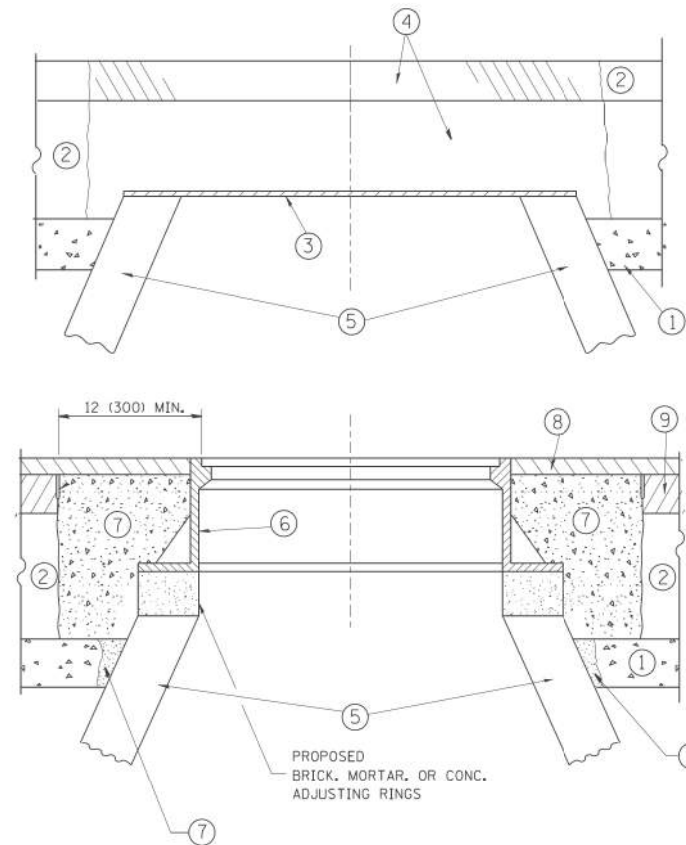
REVISED -
 REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: 1"=10' SHEET 4 OF 4 SHEETS STA. 46+00.00 TO STA. 52+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	17-00077-00-SW	DUPAGE	56	48
PROJECT: 08MC(421); JOB: C-91-230-18				
ILLINOIS FED. AID PROJECT				



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-1* CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

NOTES:

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

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

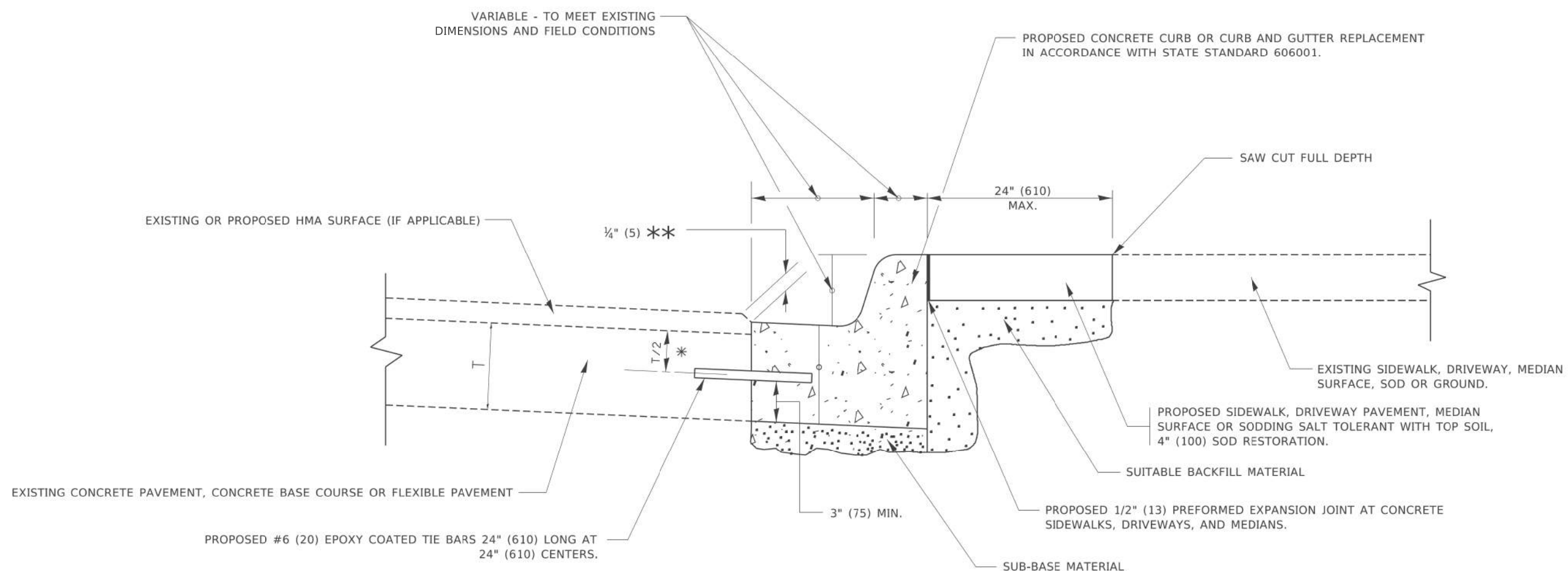
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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	PLOT DATE = 12/6/2011	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD600-03 (BD-8)			CONTRACT NO. 61F88	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

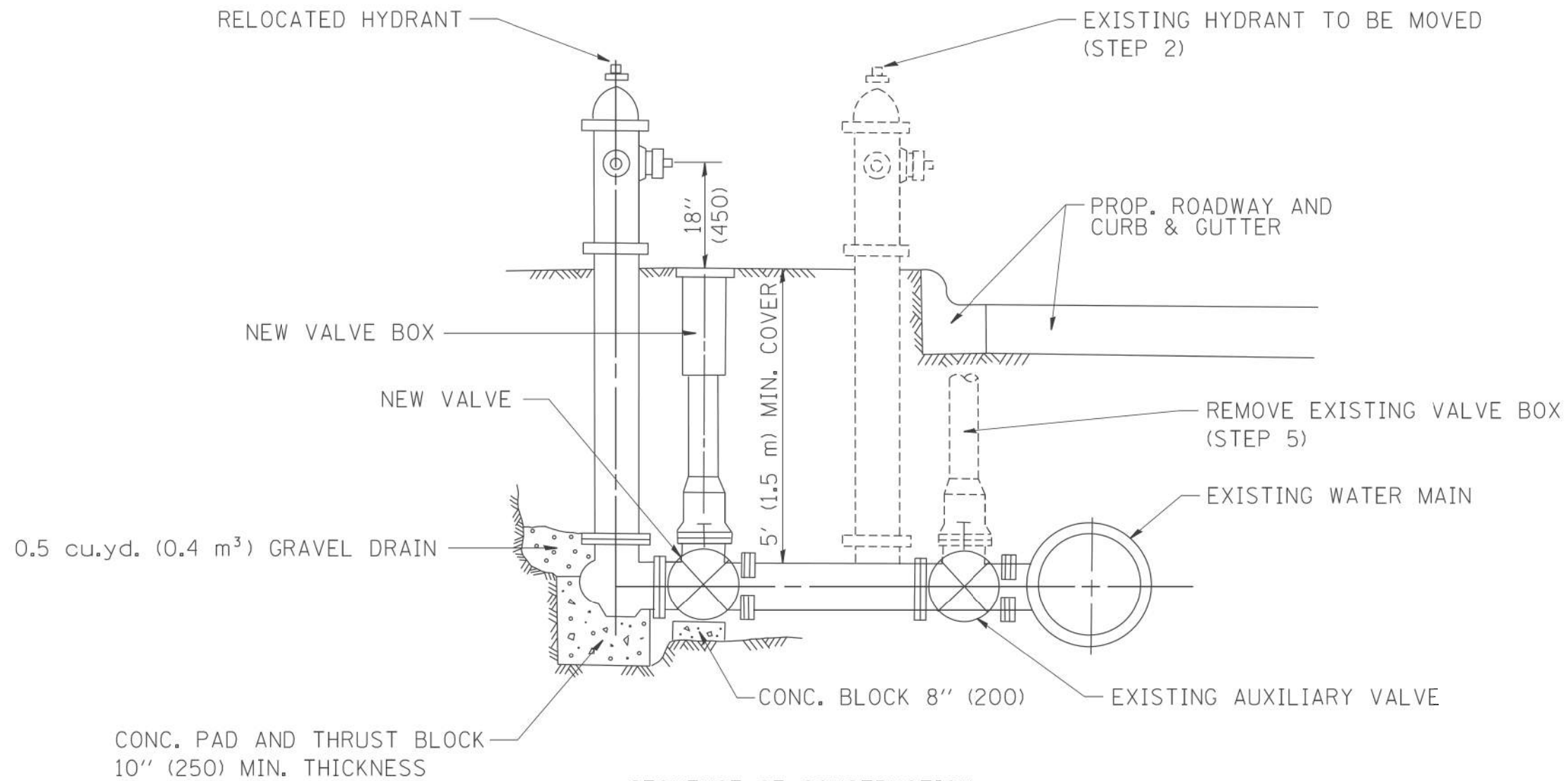


- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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	PLOT SCALE = 50.0000' / 1"	DRAWN -	REVISED - M. GOMEZ 01-22-01		SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.	56	50
PLOT DATE = 7/11/2019	CHECKED -	REVISED - R. BORO 12-15-09	CONTRACT NO. BD600-06 (BD-24)		CONTRACT NO. 61F88		ILLINOIS FED. AID PROJECT					
	DATE - 03-11-94	REVISED - K. SMITH 07-11-19										



SEQUENCE OF CONSTRUCTION:

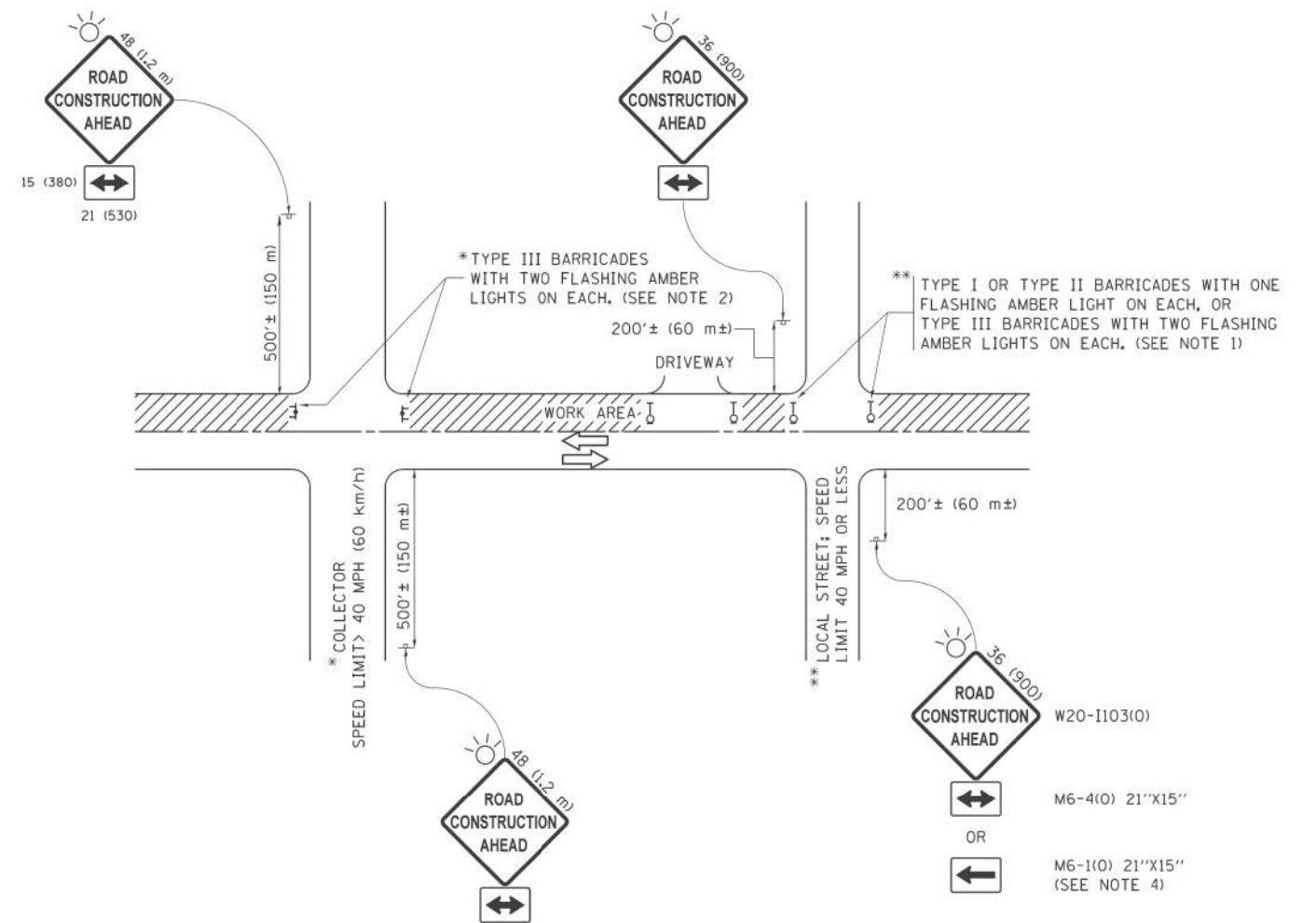
1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

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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FED. ROAD DIST. NO. 1 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. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

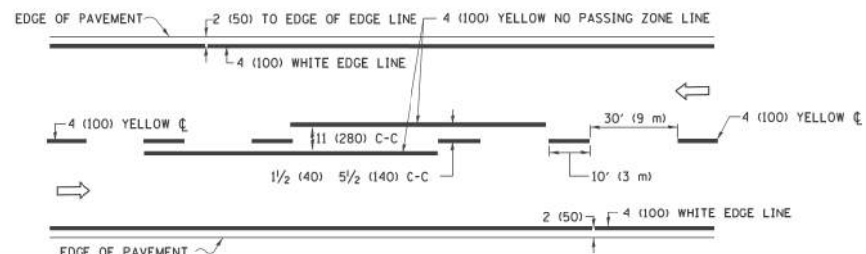
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

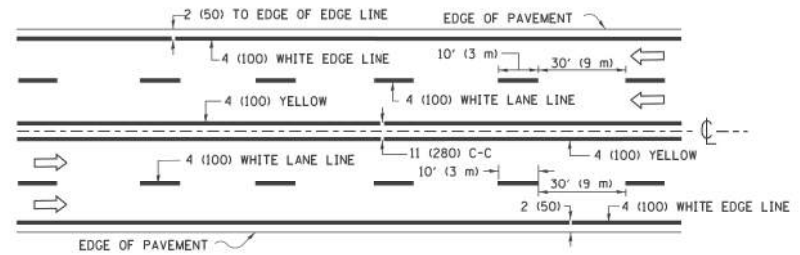
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

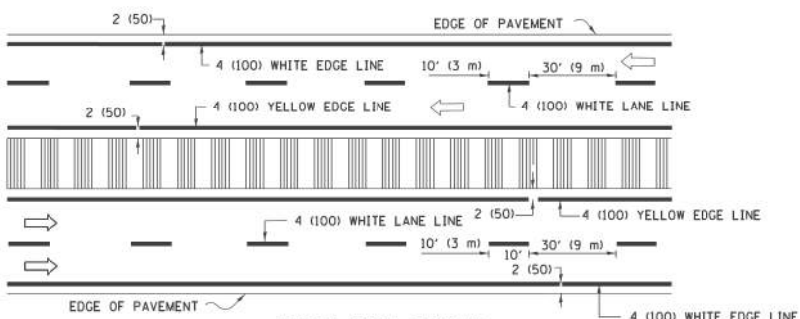
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TC-10			CONTRACT NO. 61F88	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

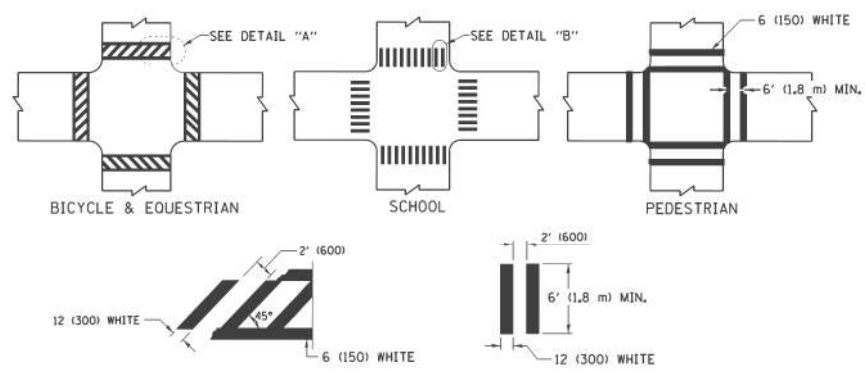


MULTI-LANE UNDIVIDED



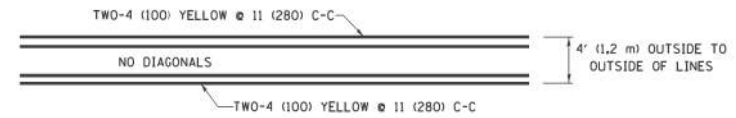
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

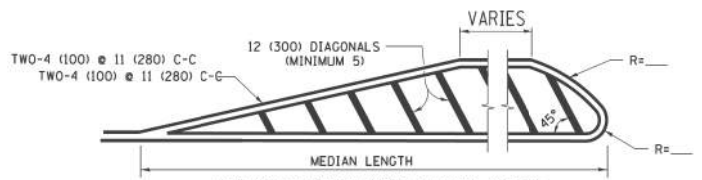


TYPICAL CROSSWALK MARKING

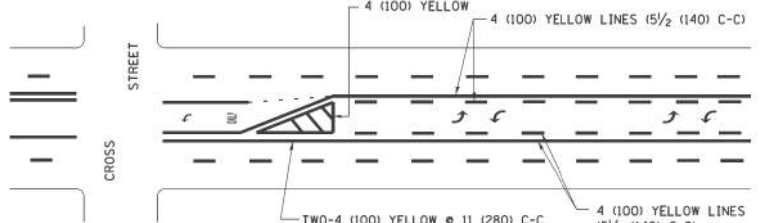
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



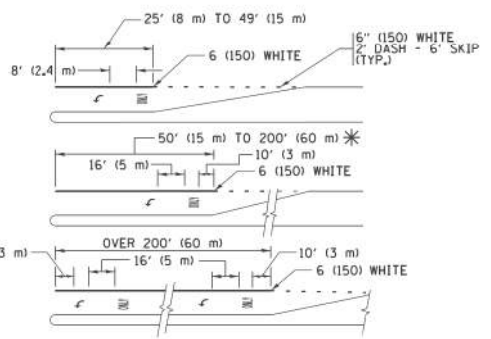
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE



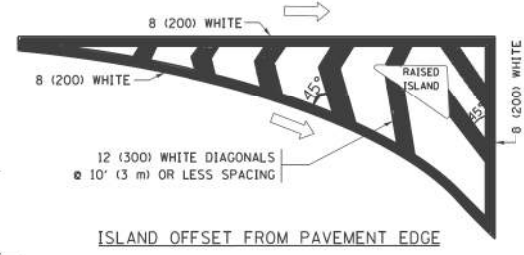
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



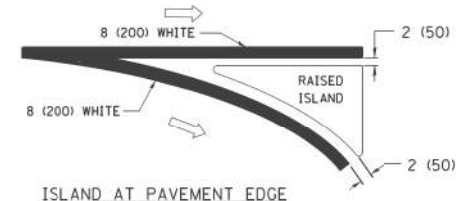
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING

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)

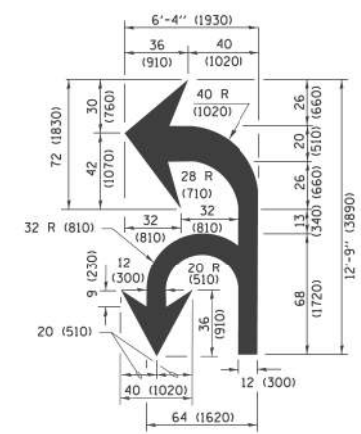
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



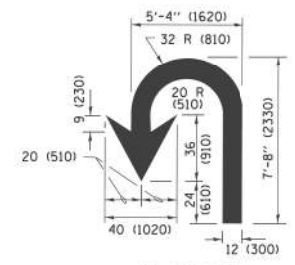
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION
* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

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 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" 15 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (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.

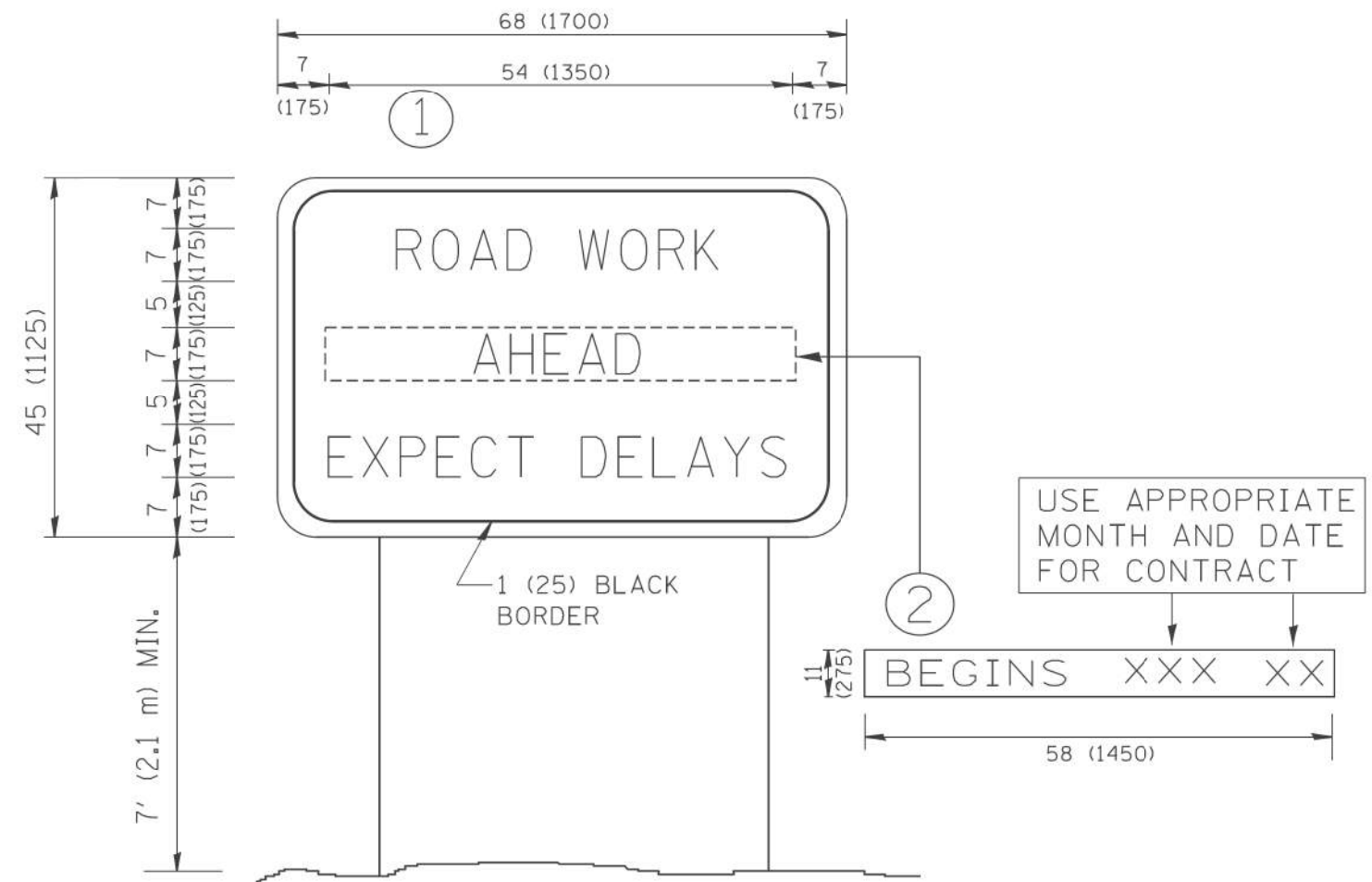
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME = W:\dststd\22x34\to13.dgn	USER NAME = l_e_g	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
Default	PLOT SCALE = 50,000' / in.	DRAWN -	REVISED - C. JUCIUS 07-01-13
	PLOT DATE = 6/23/2017	CHECKED -	REVISED - C. JUCIUS 12-21-15
		DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-13		56	53
ILLINOIS FED. AID PROJECT			CONTRACT NO.	61F88



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

FILE NAME = W:\diststd\22x34\te22.dgn	USER NAME = geglano	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			56	55
TC-22		CONTRACT NO. 61F88		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

