

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY
FAP 307 IL-64 (NORTH AVENUE)
CORNELL AVENUE TO RIVERWOODS DRIVE
ARMITAGE AVENUE

US 12/45 (MANNHEIM ROAD) TO RIVERWOODS DRIVE
COMMUTER BICYCLE PATH PROJECT CMM-9003 (076)

SECTION 08-00110-00-BT
VILLAGE OF MELROSE PARK
COOK COUNTY
C-91-553-08

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	1
ILLINOIS PROJECT		CMM-9003 (076)		
SECTION		08-00110-00-BT		
CONTRACT NO. 61B78				

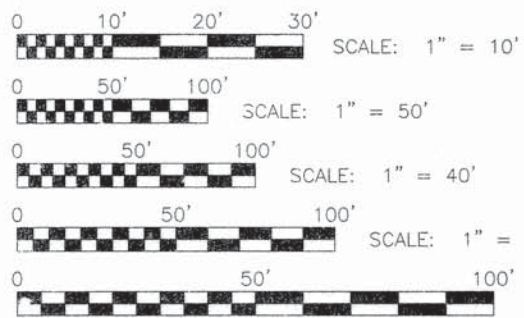


LOCATION OF SECTION INDICATED THIS:

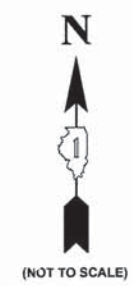
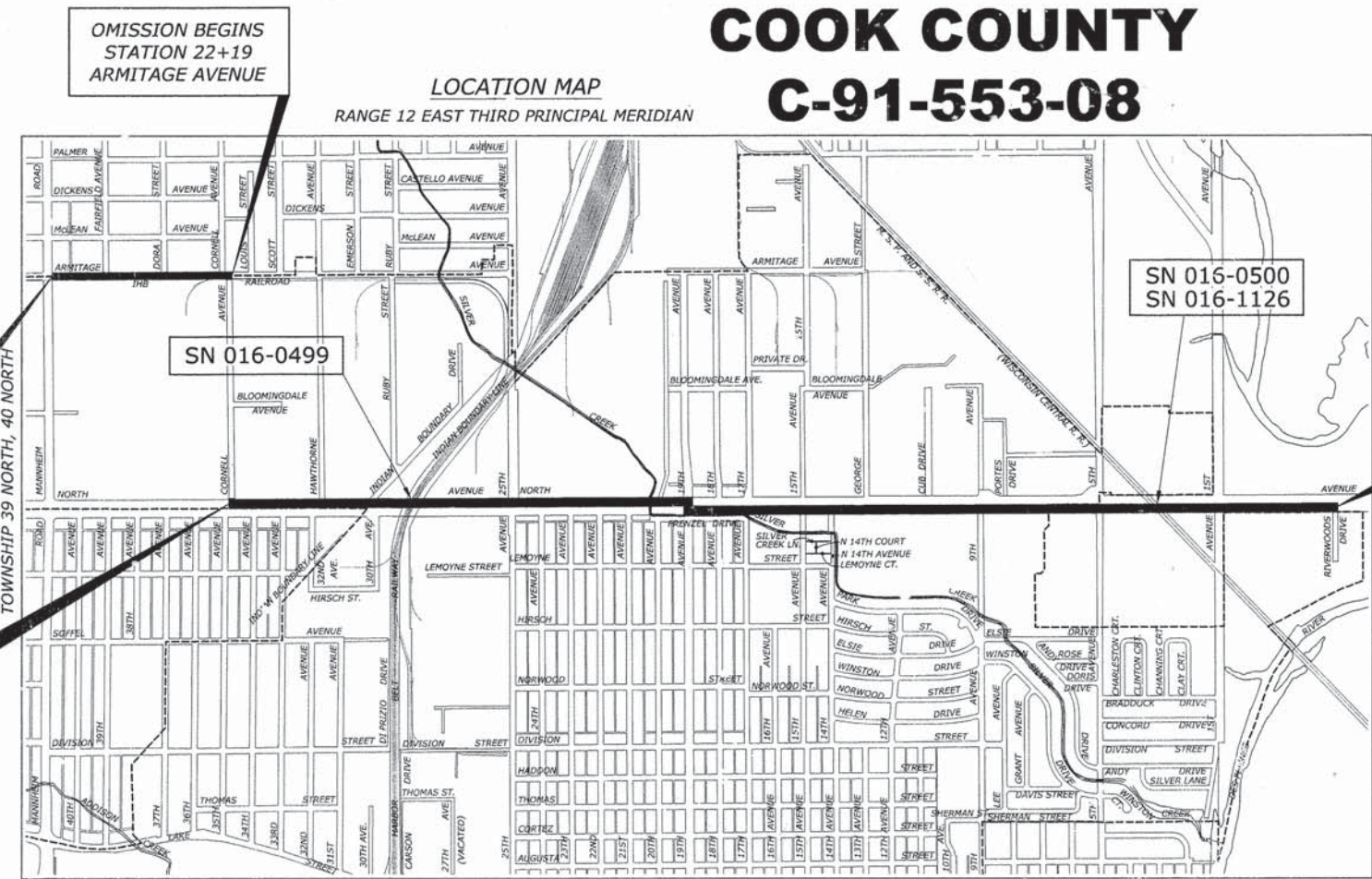
NORTH AVE. TRAFFIC DATA
2048 ADT = 28,800 VPD
POSTED SPEED LIMIT: 40 MPH
DESIGN SPEED LIMIT: 40 MPH
PRINCIPAL ARTERIAL

ARMITAGE AVE. TRAFFIC DATA
2048 ADT = 750 VPD
POSTED SPEED LIMIT: 25 MPH
DESIGN SPEED LIMIT: 35 MPH
COLLECTOR ROUTE

PROJECT LOCATED IN THE VILLAGE OF MELROSE PARK



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.



STATE OF ILLINOIS
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED: August 7, 2015
[Signature]
VILLAGE OF MELROSE PARK, PRESIDENT

PASSED: 8-31-2015
[Signature]
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW: September 3, 2015
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS,
REGION 1 ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS



SIGNED: *[Signature]*
DATE: 8-5-15 LICENSE EXPIRES: 11/30/15
SHEETS 70 - 114

SIGNED: *[Signature]*
DATE: 8-7-15 LICENSE EXPIRES: 11/30/15
SHEETS 01 - 69, 115 - 151

MAP SCALE : NONE
LEYDEN TOWNSHIP, PROVISIO TOWNSHIP
- AREA OF IMPROVEMENT
GROSS LENGTH OF PROJECT = 17,117 FT. = 3.24 MI.
NET LENGTH OF PROJECT = 14,585 FT. = 2.762 MI.

CONTRACT NO. 61B78



E.H.E. NO. 600-14-24201

Drawing file: W:\Projects_by_Village\Melrose Park\0014242 - 30pts Ave Commuter Bicycle Path\01_Cover.dwg Aug 04, 2015 - 9:35am

PROJECT MANAGER AND OFFICE ENGINEER: FAWAD AQUEEL, P.E., P.T.O.E.
5 CHAUMBURG, ILLINOIS PHONE: (847)705-4021
CONSULTANT: EDWIN HANCOCK ENGINEERING COMPANY
9933 ROOSEVELT ROAD PHONE: (708)865-0300
WESTCHESTER, ILLINOIS 60154

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET, LOCATION MAP
2	INDEX OF SHEETS, LEGEND OF SYMBOLS, HIGHWAY STANDARDS & BENCHMARKS
3	GENERAL NOTES
4-5	SUMMARY OF QUANTITIES
6-8	TYPICAL SECTIONS
9-15	ALIGNMENT AND TIES
16-20	BICYCLE PATH PAVING PLAN AND PROFILE (ARMITAGE AVE.)
21-49	BICYCLE PATH PAVING PLAN AND PROFILE (NORTH AVE.)
49	ROADWAY DETAILS
50-59	EROSION CONTROL AND LANDSCAPING PLAN
60-69	PAVEMENT MARKING AND SIGNING PLAN
70-114	TRAFFIC SIGNAL PLAN AND DETAILS
115-119	SEGMENTAL CONCRETE BLOCK WALL DETAILS
120	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
121	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
122	ARTERIAL ROAD INFORMATION SIGN (TC-22)
123	DRIVEWAY ENTRANCE SIGNING (TC-26)
124	BUTT JOINTS AND HMA TAPER DETAILS (BD-32)
125-155	CROSS SECTIONS

BENCHMARKS NAVD 88		
BM NO.	DESCRIPTION	ELEVATION
82	Southwest bonnet bolt on fire hydrant at southeast corner of north and 25th Avenues.	635.28
120	Northeast bonnet bolt on the fire hydrant approx 200' north of the centerline of North Ave and Hawthorne Street	636.78
121	North-northwest bonnet bolt on FH at southeast corner of North Ave and Ruby St approx 55' south of south back	635.10
133	North edge of top of concrete foundation of small traffic signal at northwest corner of North and Cornell Avenues	639.42
191	A chiseled "square" located on top of north wing wall on west side of 19th Avenue bridge over Silver Creek	628.87
211	North-northwest bonnet bolt on fire hydrant at 1301 North Avenue (north side of street).	631.45
212	Chiseled square on traffic light at northeast corner of North Avenue and 15th Avenue.	631.33
213	North-northwest bonnet bolt on fire hydrant at northwest corner of North and 15th Avenues.	630.87
214	North-northwest bonnet bolt on fire hydrant at 1550 North Avenue (north side of street).	631.22

LEGEND OF SYMBOLS (TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-06)					
EXISTING	PROPOSED	DESCRIPTION	EXISTING	PROPOSED	DESCRIPTION
		MAILBOX TO BE RELOCATED			STORM SEWER PIPE
		POWER POLE			COMBINATION SEWER PIPE
		GAS VALVE			SANITARY SEWER PIPE
		STREET LIGHT POLE			COMCAST LINE
		WATER MAIN BUFFALO BOX			ELECTRIC LINE
		WATER MAIN VALVE BOX			GAS LINE
		SPRINKLER			TELEPHONE LINE
		WATER MAIN VALVE VAULT			WATER MAIN PIPE
		STORM SEWER MANHOLE			CURB AND GUTTER
		STORM CATCH BASIN			DIRECTION OF FLOW
		STORM INLET			DRAINAGE SUMMIT
		FIRE HYDRANT			WATER MAIN VALVE VAULT RIM AND TOP OF PIPE ELEVATION
		EXISTING STRUCTURE TO BE REMOVED			COMBINATION MANHOLE RIM AND INVERT ELEVATION
		EXISTING STRUCTURE TO BE FILLED			STORM SEWER MANHOLE/CATCHBASIN RIM AND INVERT ELEVATION
		TREE TO BE REMOVED			
		BUSH			
		TREE			
		EXISTING CURB AND GUTTER TO BE REMOVED			STRUCTURE TO BE ADJUSTED
		EARTH EXCAVATION			TYPE 1 FRAME & CLOSED LID
		EXISTING CONCRETE SIDEWALK TO BE REMOVED			TYPE 1 FRAME & OPEN LID
		EXISTING CONCRETE DRIVEWAY TO BE REMOVED			RECONSTRUCT EXISTING STRUCTURE
		HOT-MIX ASPHALT SURFACE REMOVAL- BUTT JOINT			GROUND ELEVATIONS
		HOT-MIX ASPHALT SURFACE REMOVAL			
		RAIL ROAD GATE			CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID

HIGHWAY STANDARDS

STANDARD NO.	TITLE OR DESCRIPTION	STANDARD NO.	TITLE OR DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS	701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
780001-07	TEMPORARY EROSION CONTROL SYSTEMS	701801-05	SIDEWALK, CORNER OF CROSSWALK CLOSURE
424001-08	PERPENDICULAR CURB RAMPS FOR SIDEWALKS	701901-04	TRAFFIC CONTROL DEVICES
424006-02	DIAGONAL CURB RAMPS FOR SIDEWALKS	720001-01	SIGN PANEL MOUNTING DETAILS
424011-02	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS	720006-04	SIGN PANEL ERECTION DETAILS
424021-03	DEPRESSED CORNER FOR SIDEWALKS	720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
424026-01	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS	729001-01	APPLICATIONS OF TYPES A&B METAL POSTS
442101-07	CLASS B PATCHES	780001-05	TYPICAL PAVEMENT MARKINGS
664001-02	CHAIN LINK FENCE	805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE	814001-03	HANDHOLES
701101-04	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE	857001-01	STANDARD PHASE DESTINATION DIAGRAMS AND PHASE SEQUENCES
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS	873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS MOVING OPERATIONS, DAY ONLY	878001-10	CONCRETE FOUNDATION DETAILS
701427-03	LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS <OR=40 MPH	880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED	886001-01	DETECTOR LOOP INSTALLATION
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRANVERSABLE MEDIAN	886006-01	TYPICAL LAYOUTS FOR DETECTOR LOOPS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, LEGEND OF SYMBOLS

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

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	2
FIELD BOOK NO. : GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

HANCOCK ENGINEERING
Civil Engineers
Municipal Consultants
Established 1911
1933 Roosevelt Road
Westchester, IL 60154-2780
Phone: 708-665-0300
www.hancock.com

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

Drawing File: W:\Projects\By_Village\Veress Park\60014242 - North Ave Commuter Bicycle Path\02_Index.dwg Aug 03, 2015 - 4:08pm

ACCESS

THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN INGRESS AND EGRESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING THE CONSTRUCTION PERIOD. DURING CONSTRUCTION, GARBAGE TRUCKS MUST BE PERMITTED ACCESS TO THE WORK ZONE IN ORDER TO PICK UP COMMERCIAL GARBAGE FOR THOSE PROPERTIES IMPACTED BY CONSTRUCTION. IF GARBAGE TRUCK ACCESS IS NOT PROVIDED, THE CONTRACTOR WILL BE REQUIRED TO MOVE TRASH CONTAINERS TO AN ACCESSIBLE LOCATION AT HIS EXPENSE.

UNDERGROUND UTILITIES

THE LOCATIONS OF THE UNDERGROUND UTILITIES AS SHOWN ON THE PLANS HAVE BEEN OBTAINED BY FIELD SURVEYS AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT THE DATA IS ESSENTIALLY CORRECT, BUT THE VILLAGE OF MELROSE PARK, THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND/OR OTHER OFFICES AND AGENCIES ASSOCIATED WITH THE DEVELOPMENT OF THESE PLANS DO NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS. THE CONTRACTOR WILL BE REQUIRED TO VERIFY THE LOCATION OF EACH FACILITY WITH THE UTILITY COMPANY, AND SHALL TAKE DUE CARE IN ALL PHASES OF THE CONSTRUCTION TO PROTECT ANY SUCH FACILITIES WHICH MAY BE AFFECTED BY THE WORK. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED IN ACCORDANCE WITH ARTICLE LR 105.

ADJUSTMENTS REQUIRED BY UTILITY COMPANIES WILL BE PERFORMED BY THE COMPANY INVOLVED OR ITS CONTRACTOR, BUT WILL BE COORDINATED BY GENERAL CONTRACTOR.

COORDINATION OF ALL UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT A PRE-CONSTRUCTION CONFERENCE.

THE CONTRACTOR SHALL USE EXTREME CAUTION IN THE REMOVAL OF ABANDONED EXISTING GAS LINES SINCE RESIDUAL MATERIALS CONTAINED THEREIN ARE HIGHLY EXPLOSIVE, FLAMMABLE, AND TOXIC. ONCE THE MAINS ARE ABANDONED BY THE OWNER, THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY DAMAGE AND/OR INJURY OCCURRING ON THE PROJECT DUE TO HIS OPERATIONS NEXT TO THE MAINS AND/OR THE METHOD OF REMOVAL OF THE ABANDONED MAINS.

FRAMES AND GRATES

THE TYPE OF FRAMES AND GRATES REQUIRED FOR ALL CATCH BASINS AND MANHOLES LISTED IN THE SUMMARY OF QUANTITIES MAY BE FOUND ON THE PLANS AT THEIR RESPECTIVE LOCATIONS. WHERE LIDS ARE CALLED FOR ON THE PLANS, THEY SHALL BE IN ACCORDANCE WITH ARTICLE 604.01 OF THE STANDARD SPECIFICATIONS AND THE TERM LID IS USED IN LIEU OF GRATE.

ON ALL IMPROVEMENTS, THE FRAMES AND LIDS OF EXISTING CATCH BASINS, INLETS, MANHOLES, AND VALVE VAULTS WHICH ARE TO BE ABANDONED DUE TO CONSTRUCTION OF THIS IMPROVEMENT ARE TO REMAIN THE PROPERTY OF THE VILLAGE AND BE SALVAGED. THE CONTRACTOR IS TO DELIVER FRAMES AND LIDS TO THE VILLAGE'S PUBLIC WORKS YARD AT 1002 N. 27TH AVENUE, MELROSE PARK, IL.

FORMS FOR CONCRETE SIDEWALKS, DRIVEWAYS, PAVEMENT, AND GUTTER FLAGS

A 2" X 6" BOARD WILL BE USED AS A FORM FOR ALL SIDEWALKS TO BE INSTALLED FIVE INCHES (5") IN THICKNESS. A 2" X 8" BOARD WILL BE USED AS A FORM FOR ALL DRIVEWAYS TO BE INSTALLED SEVEN INCHES (7") IN THICKNESS. A 2" X 10" BOARD WILL BE USED AS THE FORM FOR ALL DRIVEWAYS TO BE INSTALLED EIGHT INCHES (8") IN THICKNESS. A 2" X 12" BOARD WILL BE USED AS THE FORM FOR THE FACE OF THE GUTTER FLAGS TO BE INSTALLED TEN INCHES (10") IN THICKNESS. ALL FORMS MUST BE OF A MINIMUM HEIGHT OF THE PROPOSED THICKNESS OF THE RESPECTIVE CONCRETE ITEMS TO BE INSTALLED.

MAINTENANCE OF SEWER FLOWS

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO AS TO MAINTAIN AT ALL TIMES FLOWS THROUGH EXISTING STORM AND SANITARY SEWER SYSTEMS. HE SHALL ALSO PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT IF NECESSARY AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER COLLECTED IN A SAFE MANNER WITHOUT DAMAGE OF ANY KIND TO ADJACENT PROPERTIES. THE ENDS OF EXISTING DRAINAGE LINES WHICH ARE NOT TO BE INCORPORATED INTO THE PROJECT ARE TO BE SEALED AS SPECIFIED IN THE SPECIAL PROVISIONS. THE COST OF ALL THE PREVIOUSLY MENTIONED WORK SHALL BE INCLUDED IN THE RESPECTIVE SEWER PAY ITEMS. ALL ACCUMULATION OF MATERIAL IN THE STRUCTURE DUE TO CONSTRUCTION OPERATIONS AS WELL AS MATERIAL EXISTING BEFORE CONSTRUCTION, SHALL BE REMOVED BY THE CONTRACTOR AT HIS EXPENSE.

SHEETING OR SHORING

ANY SHEETING OR SHORING REQUIRED FOR THE RETAINING WALL INSTALLATION OR OTHER CONSTRUCTION ELEMENTS REQUIRING RELATIVELY DEEP EXCAVATIONS, SHALL BE INCLUDED IN THE PARTICULAR PAYMENT ITEM AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY SUPPLEMENTAL WORK ASSOCIATED WITH THE MAINTENANCE OF TRENCH SIDES OR OTHER EXCAVATED AREAS.

MAINTENANCE OF EXISTING DRAINAGE STRUCTURES

ANY LOOSE MATERIAL THAT IS DEPOSITED IN THE FLOW LINE OF GUTTERS OR DRAINAGE STRUCTURE THAT INHIBITS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE FACILITIES SHALL BE CLEAN AND FREE OF ALL OBSTRUCTIONS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE RESPECTIVE SEWER PAY ITEMS.

SAW CUTTING

THE CONTRACTOR SHALL SAW CUT ASPHALT PAVEMENT AND CONCRETE PAVEMENT AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER, TO SEPARATE THE EXISTING PAVEMENT TO BE REMOVED BY MEANS OF AN APPROVED CONCRETE SAW TO A DEPTH AS DIRECTED BY THE ENGINEER. SUITABLE GUIDELINES OR DEVICES SHALL BE USED TO ASSURE CUTTING A NEAT, STRAIGHT LINE AS SHOWN ON THE PLANS. CARE SHALL BE TAKEN BY THE CONTRACTOR SO AS NOT TO DAMAGE THE REMAINING PAVEMENT DIRECTLY ADJACENT TO THE PAVEMENT TO BE REMOVED. ANY DAMAGE TO THE EXISTING PAVEMENT RESULTING FROM PAVEMENT REMOVAL OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE PRICE OF SAW CUTTING, AS NOTED ABOVE, SHALL BE INCLUDED IN THE PARTICULAR PAY ITEMS.

PARKWAY RESTORATION

PARKWAY RESTORATION HAS BEEN ANTICIPATED ALONG THE PROPOSED BICYCLE PATH FOR A WIDTH OF FOUR FEET (4') ALONG EITHER SIDE OF THE BICYCLE PATH, UNLESS INDICATED OTHERWISE ON THE LANDSCAPING PLAN. ANY RESTORATION REQUIRED BEYOND THE LIMITS INDICATED ON THE LANDSCAPING PLAN WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. DRIVEWAY ENTRANCES AND STREET CROSSINGS ARE FOUND FREQUENTLY THROUGHOUT THE PROJECT, WHICH MAY BE USED AS ACCESS POINTS TO THE PARKWAY AND PROPOSED BICYCLE PATH.

LIMITATION OF OPERATIONS

- DUE TO THE LETTING SCHEDULE AND AMOUNT OF WORKING DAYS REQUIRED TO COMPLETE THIS PROJECT, THE SUSPENSION OF WORK WILL BE REQUIRED THROUGH WINTER OF 2015-2016. THE CONTRACTOR SHALL INCLUDE IN HIS BID ANY REMOBILIZATIONS, LABOR AND MATERIAL INCREASES, WINTERIZING OPERATIONS, OR OTHER ADDITIONAL COSTS THAT HE WILL ENCOUNTER AS A RESULT OF THE ANTICIPATED PROJECT SCHEDULE. THE OWNER OF THE PROJECT WILL NOT BE RESPONSIBLE FOR ADDITIONAL PAYMENT TO THE CONTRACTOR DUE TO TO ANTICIPATED WORK IN 2016.
- MULTIPLE LANE CLOSURES WILL NOT BE PERMITTED SIMULTANEOUSLY. THE CONTRACTOR SHALL WORK ON EITHER SIDE OF THE ROADWAY INDEPENDENTLY.

ACCESS TO BUSINESSES - NORTH AVENUE

ACCESS TO BUSINESSES ALONG NORTH AVENUE WILL BE REQUIRED AT ALL TIMES. BUSINESSES WITH SINGLE DRIVEWAYS MAY NEED TO HAVE WORK PERFORMED AT OFF PEAK HOURS. BUSINESSES WITH MULTIPLE DRIVEWAYS SHALL HAVE ONE DRIVEWAY OPEN AT ALL TIMES.

UNDERCUT AND AGGREGATE SUBGRADE IMPROVEMENT

A QUANTITY OF AGGREGATE SUBGRADE IMPROVEMENT AND SUBGRADE REMOVAL HAVE BEEN PROVIDED FOR USE IF THE EXISTING SOILS ARE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH IMPROVED SUBGRADE WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHALL BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.03 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED AS DETERMINED BY THE ENGINEER. IF UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE SPECIFIC QUANTITY OF AGGREGATE SUBGRADE IMPROVEMENT WILL REMAIN UNUSED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR. THE 3-INCH CAPPING AGGREGATE (CA-6 GRADATION) WILL NOT BE REQUIRED SINCE GRANULAR SUBBASE WILL BE PLACED ON TOP OF THE AGGREGATE SUBGRADE IMPROVEMENT.

CONCRETE BREAKERS

WHEN REMOVING PAVEMENT, CURB AND GUTTER, SHOULDER, AND/OR ANY OTHER STRUCTURES, THE USE OF ANY TYPE OF CONCRETE BREAKERS SUCH AS DROP HAMMERS, WHICH MIGHT DAMAGE UNDERGROUND PUBLIC OR PRIVATE UTILITIES, WILL NOT BE PERMITTED. UNDER NO CIRCUMSTANCES WILL THE USE OF A FROST BALL BE PERMITTED.

MWRD STANDARDS

ALL WORK SHALL BE PERFORMED ACCORDING TO MWRDGC STANDARDS AND IN ACCORDANCE WITH THE WATERSHED MANAGEMENT ORDINANCE (WMO). A COPY OF THE WMO PERMIT SHALL BE KEPT ON-SITE AT ALL TIMES.

PAVEMENT MARKINGS

THE PLANS HAVE INDICATED THE USE OF BOTH THERMOPLASTIC AND POLYUREA PAVEMENT MARKINGS. THE PAVEMENT MARKING MATERIAL TYPES HAVE BEEN ESTIMATED AND DETERMINED USING THE BEST AVAILABLE INFORMATION TO THE DESIGNER. MINOR FIELD CHANGES MAY REQUIRE THE INTERCHANGING BETWEEN THERMOPLASTIC AND POLYUREA AT RETURNS, DRIVEWAYS, OR OTHER UNIQUE SITUATIONS.

ADDITIONALLY, THE PAVEMENT MARKING REMOVAL MAY REQUIRE THE REMOVAL OF BOTH POLYUREA AND THERMOPLASTIC PAVEMENT MARKINGS ON BOTH CONCRETE AND ASPHALT PAVEMENTS.

NOTIFICATION OF RESIDENTS AND BUSINESSES

THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING WRITTEN NOTICE TO ALL RESIDENCES AND/OR PLACES OF BUSINESS IN THE WORK ZONE AT LEAST ONE (1) WORKING DAY PRIOR TO PERFORMING ANY CONSTRUCTION ACTIVITY THAT WILL IMPACT ACCESS TO THEIR PROPERTY. THE WRITTEN NOTICE SHALL BE APPROVED BY THE ENGINEER AND COORDINATED WITH THE VILLAGE PRIOR TO THE BEGINNING OF CONSTRUCTION.

NOTIFICATION OF I.D.O.T.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING OF WORK.

RAILROAD BRIDGES

THE ILLINOIS DEPARTMENT OF TRANSPORTATION IS NOT THE OWNER OF RECORD FOR THESE BRIDGES. THOSE SEEKING HISTORIC AS-BUILT OR OTHER RECORD PLANS SHOULD CONTACT THE OWNER OF RECORD. TO MAKE ARRANGEMENTS FOR ACCESS TO THIS INFORMATION PLEASE CONTACT:

INDIANA HARBOR BELT 219-989-6737	CANADIAN NATIONAL RAILWAYS 708-332-4739
-------------------------------------	--

PRELIMINARY SITE INVESTIGATION

THOSE SEEKING THE PRELIMINARY SITE INVESTIGATION SHOULD CONTACT THE OWNER OF RECORD. TO MAKE ARRANGEMENTS FOR ACCESS TO THIS INFORMATION PLEASE CONTACT:
ILLINOIS DEPARTMENT OF TRANSPORTATION
STEVEN GOBELMAN
217-785-4246

SUMMARY OF QUANTITIES

SP	SI	CODE NO.	PAY ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONS. TYPE CODE BICYCLE/PEDESTRIAN 0028 80% FEDERAL 20% LOCAL
		20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	250	250
		20200100	EARTH EXCAVATION	CU YD	4,750	4,750
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	100	100
X		21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	1,200	1,200
	X	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	135	135
	X	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	135	135
	X	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	135	135
	X	25100630	EROSION CONTROL BLANKET	SQ YD	10,600	10,600
	X	25000110	SEEDING, CLASS 1A	ACRE	1.25	1.25
	X	25000210	SEEDING, CLASS 2A	ACRE	1.00	1.00
	X	25200200	SUPPLE WATERING	UNIT	100	100
		28000400	PERIMETER EROSION BARRIER	FOOT	625	625
X		28000510	INLET FILTERS	EACH	32	32
		35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	9,800	9,800
		40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	100	100
		40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	875	875
		40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	1,625	1,625
X		40800050	INCIDENTAL HOT MIX ASPHALT SURFACING	TON	40	40
X		42001300	PROTECTIVE COAT	SQ YD	1,025	1,025
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	7,500	7,500
X		42400800	DETECTABLE WARNINGS	SQ FT	850	850
		44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	1,100	1,100
X		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	50	50
		44000300	CURB REMOVAL	FOOT	100	100
X		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,200	1,200
X		44000600	SIDEWALK REMOVAL	SQ FT	22,000	22,000
		44003100	MEDIAN REMOVAL	SQ FT	50	50
		44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	25	25
		44213204	TIE BARS 3/4"	EACH	25	25
	X	50901720	BICYCLE RAILING	FOOT	1,100	1,100

SP	SI	CODE NO.	PAY ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONS. TYPE CODE BICYCLE/PEDESTRIAN 0028 50% FEDERAL 20% LOCAL
		60255500	MANHOLES TO BE ADJUSTED	EACH	18	18
		60250200	CATCH BASINS TO BE ADJUSTED	EACH	2	2
		60265700	VALVE VAULTS TO BE ADJUSTED	EACH	8	8
		60266800	VALVE BOXES TO BE ADJUSTED	EACH	1	1
		60600605	CONCRETE CURB, TYPE B	FOOT	100	100
X		60604100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)	FOOT	850	850
X		60604700	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (MODIFIED)	FOOT	125	125
X		60605300	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (MODIFIED)	FOOT	260	260
	X	66400105	CHAIN LINK FENCE, 4'	FOOT	175	175
	X	66400305	CHAIN LINK FENCE 6'	FOOT	110	110
X	X	66900200	NON SPECIAL WASTE DISPOSAL	CU YD	3,300	3,300
	X	66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1
	X	66900530	SOIL DISPOSAL ANALYSIS	EACH	15	15
		67100100	MOBILIZATION	L SUM	1	1
		70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1
		70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1
		70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1
		70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
		70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
		70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	100	100
		70106800	CHANGEABLE MESSAGE SIGN	CAL MO	2	2
		72000100	SIGN PANEL TYPE 1	SQ FT	550	550
		72900100	METAL POST TYPE A	FOOT	1,200	1,200
	X	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	450	450
	X	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	8,250	8,250
	X	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	6,400	6,400
	X	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	650	650
	X	78008200	POLYUREA PAVEMENT MARKING TYPE 1 - LETTERS AND SYMBOLS	SQ FT	75	75
	X	78008230	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6"	FOOT	2,500	2,500
	X	78008250	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 12"	FOOT	1,500	1,500

SI - DENOTES SPECIALTY ITEM

SP - DENOTES SPECIAL PROVISION HAS BEEN PROVIDED

Drawing file: W:\Projects\by_Village\Melrose Park\60014242 - North Ave Commuter Bicycle Path\04-05_S00.dwg Aug 10, 2015 - 11:20am



♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911
 9933 Rockwell Road
 Westchester, IL 60154-2793
 Phone: 708-865-0300
 www.hancockeng.com

DESIGNED - WOP
 DRAWN - DMM, MK
 CHECKED - JGG
 DATE - 3-6-15
 REVISED - 8-4-15 I.D.O.T. DMM
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 1 OF 2 SHEETS STA. TO STA.

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	4
FIELD BOOK NO. : GPS		CONTRACT NO. 61B78		
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

SP	SI	CODE NO.	PAY ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONS. TYPE CODE BICYCLE/PEDESTRIAN 0028 80% FEDERAL 20% LOCAL
X		78008270	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 24"	FOOT	100	100
X		78300100	PAVEMENT MARKING REMOVAL	SQ FT	1,950	1,950
X	X	80500020	SERVICE INSTALLATION □ POLE MOUNTED	EACH	1	1
X	X	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA	FOOT	116	116
X	X	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	13	13
X	X	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	4,611	4,611
X	X	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	4,841	4,841
X	X	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	67	67
X	X	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	178	178
X	X	87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	3	3
X	X	87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	1	1
X	X	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16	16
	X	87900100	DRILL EXISTING FOUNDATION	EACH	1	1
	X	87900200	DRILL EXISTING HANDHOLE	EACH	7	7
X	X	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1: FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	22	22
X	X	88102747	PEDESTRIAN SIGNAL HEAD, LED, 2: FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2	2
X	X	88600100	DETECTOR LCOP, TYPE I	FOOT	172	172
X	X	88800100	PEDESTRIAN PUSH BUTTON	EACH	26	26
X	X	89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	10	10
X	X	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1
X	X	89502376	REBUILD EXISTING HANDHOLE	EACH	12	12
X	X	89502378	REBUILD EXISTING HANDHOLE TO HEAVY DUTY HANDHOLE	EACH	1	1
X	X	XX009057	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	4	4
X		X2010507	CLEARING, SPECIAL	ACRE	0.25	0.25
	X	A2004621	TREE, GLEDITSIA TRIACANTHOS VAR. IMPERIAL (IMPERIAL THORNLEAF HONEYLOCUST) 3" CALIPER, BALLED AND BURLAPPED	EACH	3	3
	X	A2008124	TREE, TILIA CORDATA GREENSPIRE (GREENSPIRE LITTLE LEAF LINDEN) 3" CALIPER, BALLED AND BURLAPPED	EACH	4	4

SP	SI	CODE NO.	PAY ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONS. TYPE CODE BICYCLE/PEDESTRIAN 0028 80% FEDERAL 20% LOCAL
X		X3510407	AGGREGATE BASE COURSE CA-7	TON	550	550
X		X4402815	ISLAND PAVEMENT REMOVAL AND REPLACEMENT	SQ FT	175	175
X		X6025600	MANHOLES TO BE ADJUSTED (SPECIAL)	EACH	1	1
X	X	X8140115	HANDHOLE TO BE ADJUSTED	EACH	11	11
X		XX003985	INTERLOCKING CONCRETE PAVERS	SQ FT	1,800	1,800
X		XX006381	CRUSHED AGGREGATE CA-1	CU YD	400	400
X		Z0013302	SEGMENTAL BLOCK RETAINING WALL	SQ FT	5,775	5,775
X		Z0019600	DUST CONTROL WATERING	UNIT	50	50
X		Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	104	104
X	X	Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	13	13
X		Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1

SI - DENOTES SPECIALTY ITEM

SP - DENOTES SPECIAL PROVISION HAS BEEN PROVIDED

Drawing file: W:\Projects\By_Village\Melrose Park\60014242 - North Ave Commuter Bicycle Path\04-05_500.dwg Aug 10, 2015 - 11:20am



♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911
 9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-865-0300
 www.hancock.com

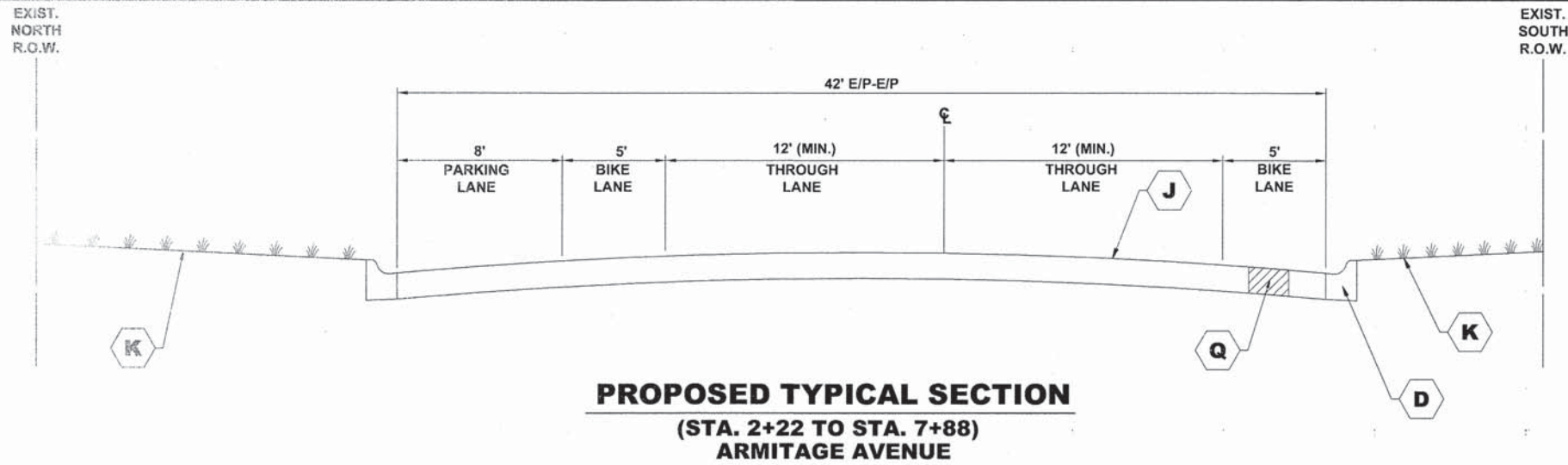
DESIGNED -	WOP	REVISED -	8-4-15 I.D.O.T. DMM
DRAWN -	DMM, MK	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	3-6-15	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

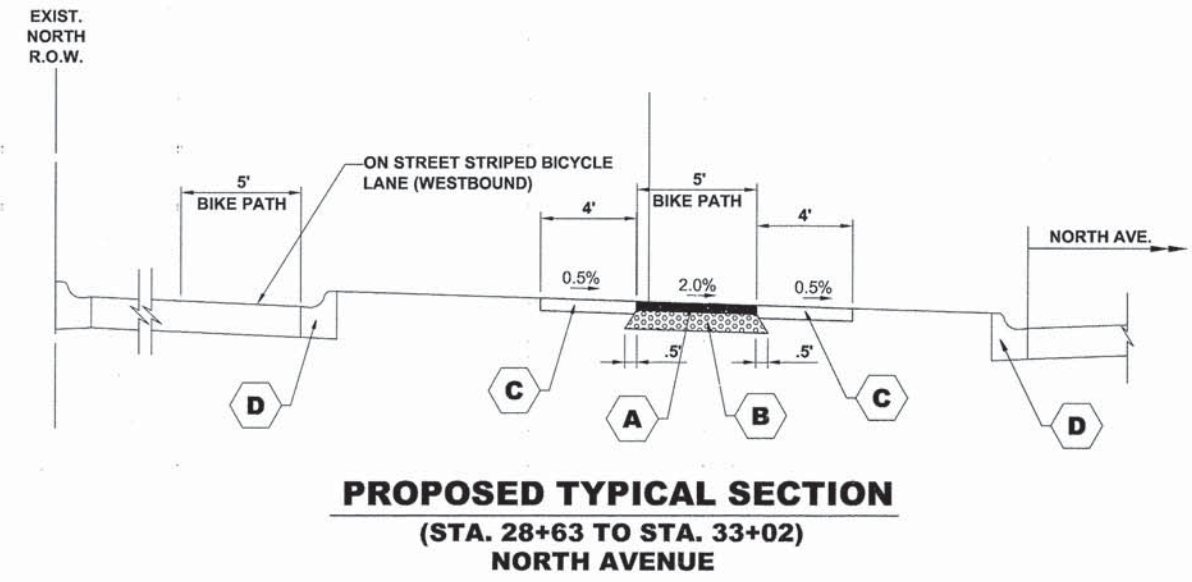
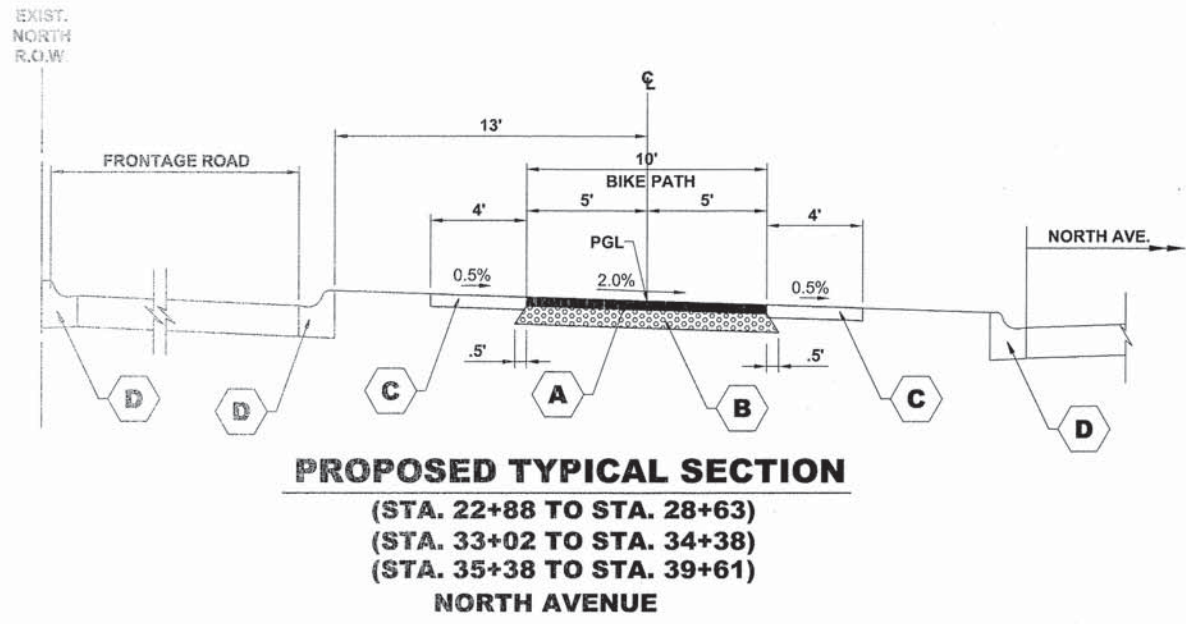
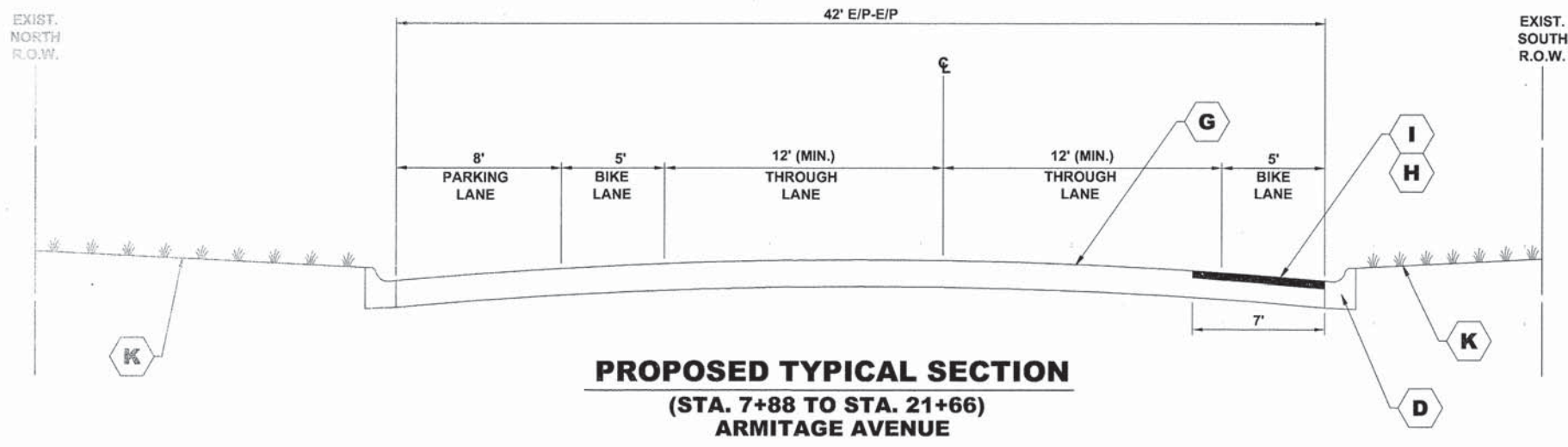
SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 2 OF 2 SHEETS STA. TO STA.

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	5
FIELD BOOK NO.: GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		



- ### TYPICAL CROSS SECTION LEGEND
- A** PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 3"
 - B** PROPOSED AGGREGATE BASE COURSE, TYPE B 6"
 - C** TOPSOIL EXCAVATION AND PLACEMENT (4" MIN.) AND SEEDING, CLASS 1A OR 2A
 - D** EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
 - E** EXISTING HOT-MIX ASPHALT PAVEMENT
 - F** EXISTING HOT-MIX ASPHALT SURFACE COURSE REMOVAL, 2"
 - G** EXISTING HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 2"
 - H** EXISTING HOT-MIX ASPHALT SURFACE COURSE REMOVAL, 2"
 - I** EXISTING PCC PAVEMENT
 - J** EXISTING PCC PAVEMENT
 - K** EXISTING LANDSCAPED PARKWAY
 - L** PERMEABLE INTERLOCKING CONCRETE PAVERS, 3 3/8" AND AGGRGATE BASE COURSE (SEE DETAIL)
 - P** PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 5"
 - Q** INTERMITTENT CLASS B PATCHES, 10 INCH
 - R** BICYCLE RAILING (SEE DETAIL)
 - S** RETAINING WALL (SEE DETAIL)
 - T** EXISTING SIDEWALK



Drawing File: W:\Projects\by_Mileage\Address_Park\60014242 - North Ave Commuter Bicycle Path\08-00-Typ_Section.dwg Aug 03, 2015 - 4:09pm

HANCOCK ENGINEERING
100+ Years of Excellence

◆ Civil Engineers
◆ Municipal Consultants
◆ Established 1911

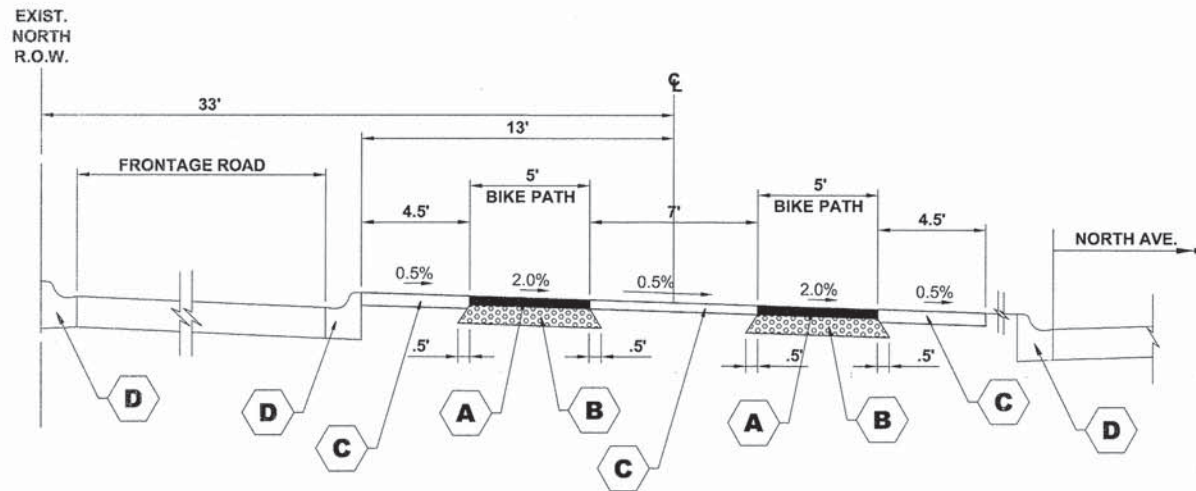
9933 Roosevelt Road
Westchester, IL 60154-9780
Phone: 708-845-0300
www.hancock.com

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

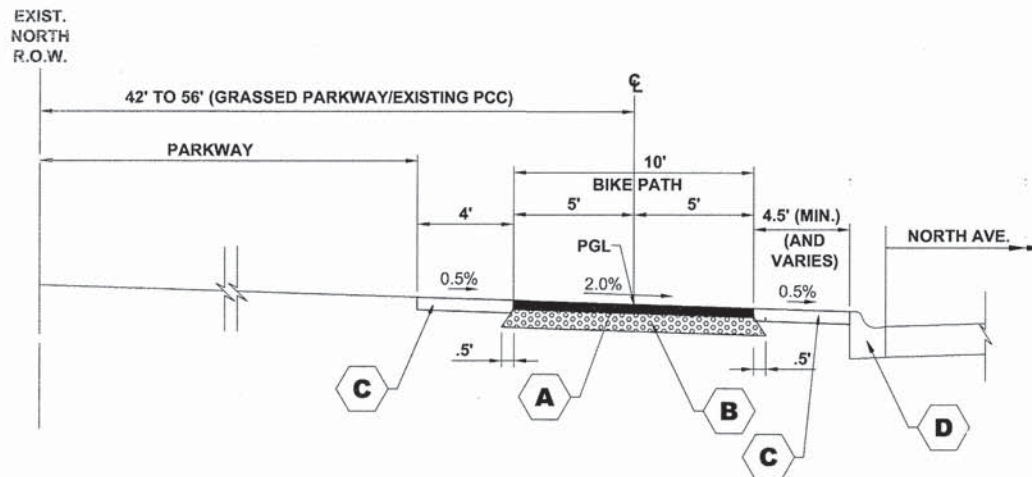
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS			
SCALE: NONE	SHEET NO.	OF SHEETS	STA. TO STA.

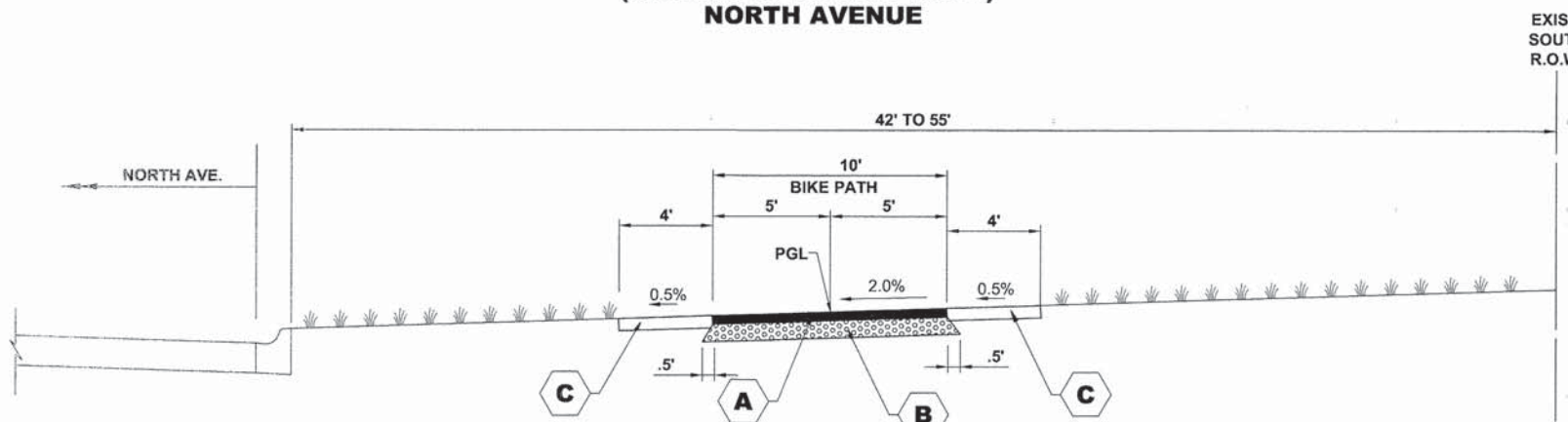
MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	6
FIELD BOOK NO. : GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		



PROPOSED TYPICAL SECTION
(STA. 34+38 TO STA. 35+38)
NORTH AVENUE



PROPOSED TYPICAL SECTION
(STA. 50+29 TO STA. 75+77)
NORTH AVENUE



PROPOSED TYPICAL SECTION
(STA. 76+03 TO STA. 123+57)
(STA. 134+13 TO STA. 149+56)
NORTH AVENUE

TYPICAL CROSS SECTION LEGEND

- A** PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 3"
- B** PROPOSED AGGREGATE BASE COURSE, TYPE B 6"
- C** TOPSOIL EXCAVATION AND PLACEMENT (4" MIN.) AND SEEDING, CLASS 1A OR 2A
- D** EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- E** EXISTING HOT-MIX ASPHALT PAVEMENT
- F** EXISTING HOT-MIX ASPHALT SURFACE COURSE REMOVAL, 2"
- G** PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 2"
- H** EXISTING PCC PAVEMENT
- I** EXISTING LANDSCAPED PARKWAY
- J** PERMEABLE INTERLOCKING CONCRETE PAVERS, 3 1/2" AND AGGRGATE BASE COURSE (SEE DETAIL)
- K** PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- L** INTERMITTENT CLASS B PATCHES, 10 INCH
- M** BICYCLE RAILING (SEE DETAIL)
- N** RETAINING WALL (SEE DETAIL)
- O** EXISTING SIDEWALK

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes
BIKE PATH PAVEMENT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, (IL 9.5mm), 3" (1 LIFT)	4% @ 50 Gyr.
ARMITAGE AVENUE	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, (IL 9.5mm), 2"	4% @ 50 Gyr.
INCIDENTAL DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, (IL 9.5mm), 2"	4% @ 50 Gyr.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES = 112 LBS/SQYD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

FOR HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

Drawing file: W:\Projects\by_Village\Release Per\6001212 - North Ave Commuter Ecycle\08-08-11\Typ_Sections.dwg Aug 03, 2015 - 4:05pm

HANCOCK ENGINEERING
10th Years of Experience
Civil Engineers
Municipal Consultants
Established 1911
9933 Roosevelt Road
Westchester, IL 60154-2780
Phone: 708-865-0300
www.hancock.com

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

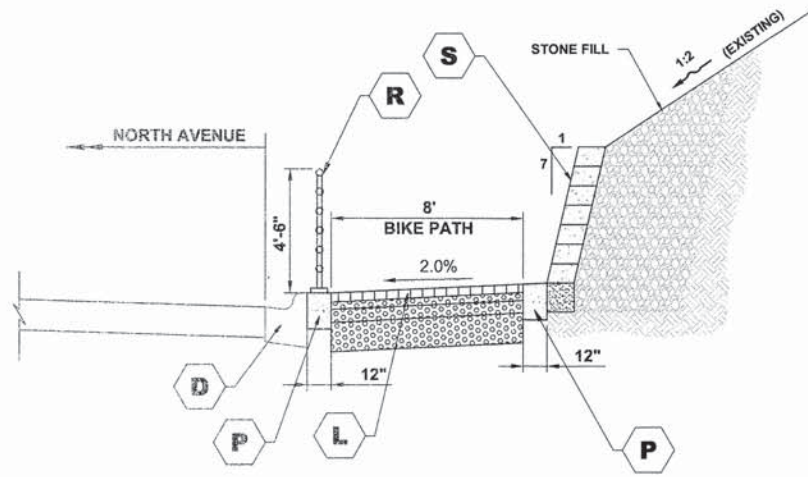
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS			
SCALE: NONE	SHEET NO.	OF SHEETS	STA. TO STA.

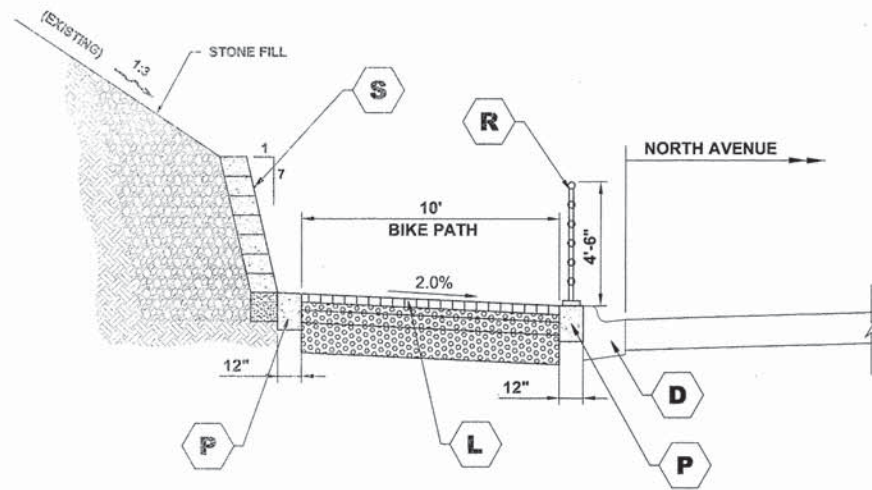
MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	7
FIELD BOOK NO. : GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

TYPICAL CROSS SECTION LEGEND

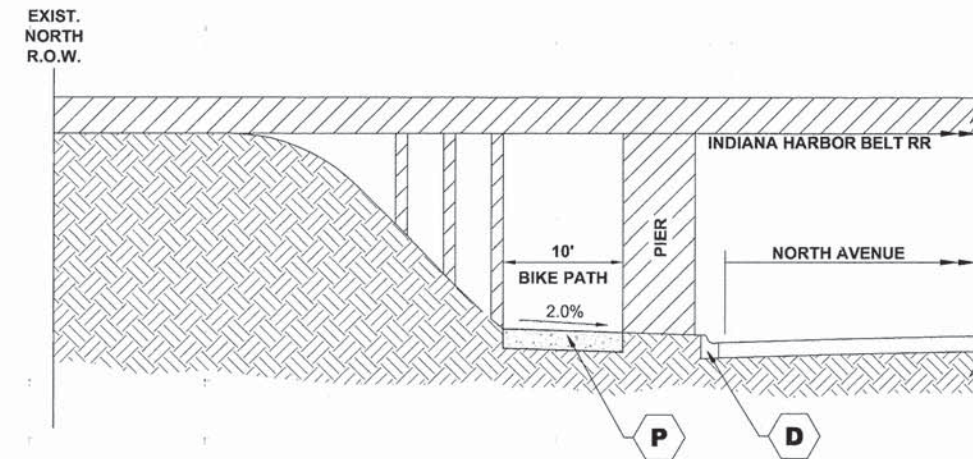
- A** PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 3"
- B** PROPOSED AGGREGATE BASE COURSE, TYPE B 6"
- C** TOPSOIL EXCAVATION AND PLACEMENT (4" MIN.) AND SEEDING, CLASS 1A OR 2A
- D** EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- G** EXISTING HOT-MIX ASPHALT PAVEMENT
- H** EXISTING HOT-MIX ASPHALT SURFACE COURSE REMOVAL, 2"
- I** PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 2"
- J** EXISTING PCC PAVEMENT
- K** EXISTING LANDSCAPED PARKWAY
- L** PERMEABLE INTERLOCKING CONCRETE PAVERS, 3 1/4" AND AGGRGATE BASE COURSE (SEE DETAIL)
- P** PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- Q** INTERMITTENT CLASS B PATCHES, 10 INCH
- R** BICYCLE RAILING (SEE DETAIL)
- S** RETAINING WALL (SEE DETAIL)
- T** EXISTING SIDEWALK



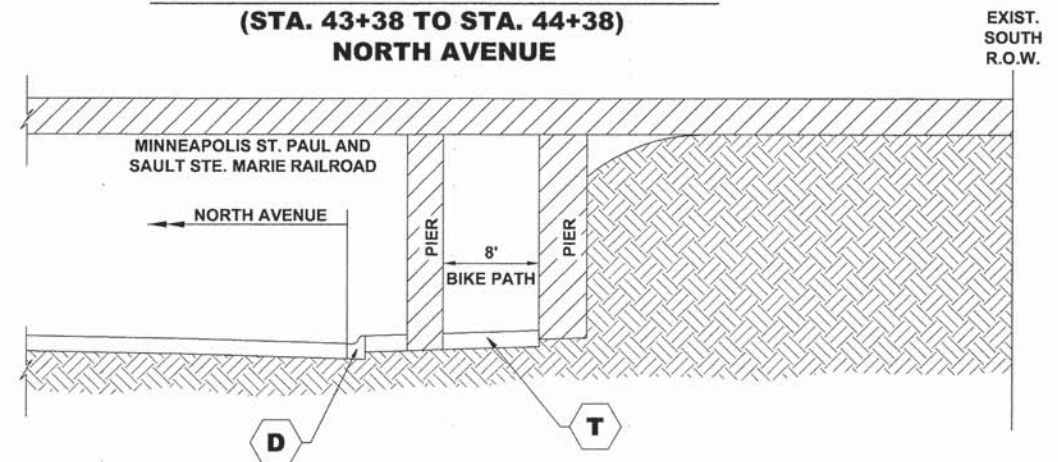
PROPOSED TYPICAL SECTION
 (STA. 123+26 TO STA. 128+23)
 (STA. 130+23 TO STA. 133+83)
 NORTH AVENUE



PROPOSED TYPICAL SECTION
 (STA. 39+61 TO STA. 43+38)
 (STA. 44+38 TO STA. 48+50)
 NORTH AVENUE



PROPOSED TYPICAL SECTION
 (STA. 43+38 TO STA. 44+38)
 NORTH AVENUE



PROPOSED TYPICAL SECTION
 (STA. 128+26 TO STA. 130+02)
 NORTH AVENUE

Drawing file: W:\Projects\By_Village\Main\93114511\4511 - North Ave Commuter Bicycle Path\08-06_Typ_Sections.dwg Aug 01, 2010 - 4:28pm

HANCOCK ENGINEERING
 100+ Years of Experience
 ♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911
 9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-645-0300
 www.hancock.com

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

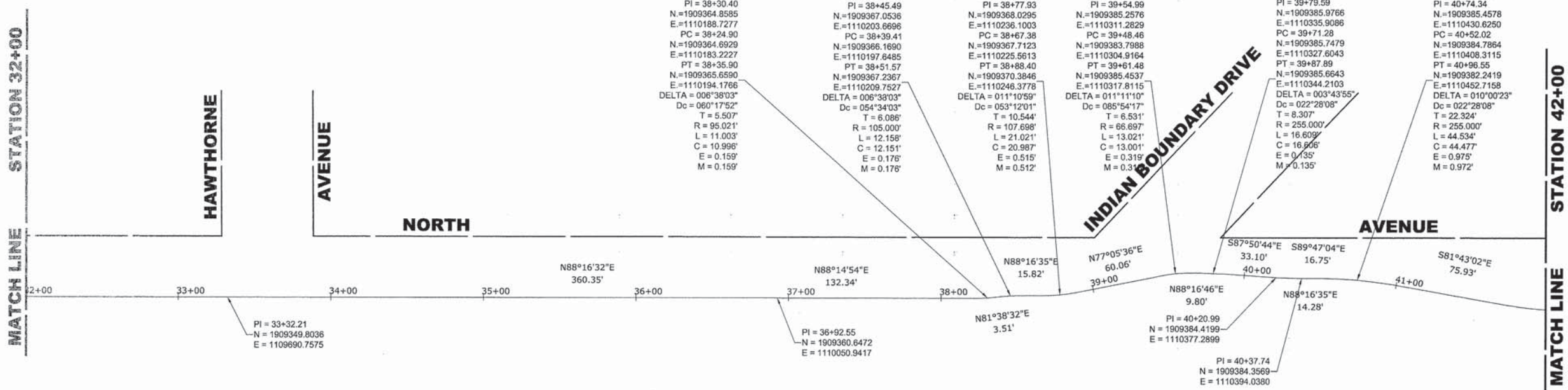
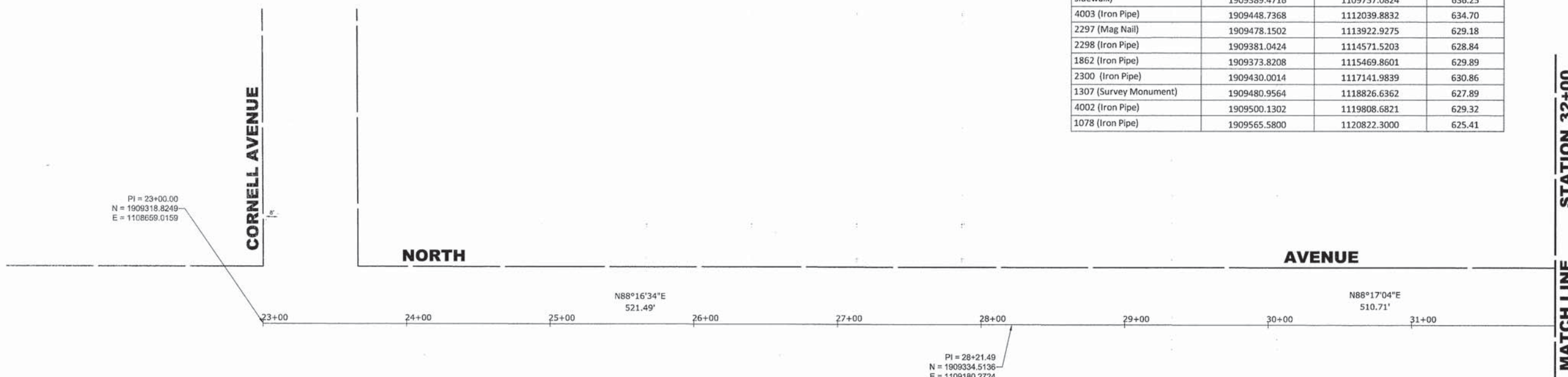
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS			
SCALE: NONE	SHEET NO.	OF SHEETS	STA. TO STA.

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	8
FIELD BOOK NO. : GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

CONTROL POINTS

Control Point No. (Desc.)	Northing	Easting	Elevation
7890 (Etched Cross in sidewalk)	1909389.4716	1109757.0824	636.25
4003 (Iron Pipe)	1909448.7368	1112039.8832	634.70
2297 (Mag Nail)	1909478.1502	1113922.9275	629.18
2298 (Iron Pipe)	1909381.0424	1114571.5203	628.84
1862 (Iron Pipe)	1909373.8208	1115469.8601	629.89
2300 (Iron Pipe)	1909430.0014	1117141.9839	630.86
1307 (Survey Monument)	1909480.9564	1118826.6362	627.89
4002 (Iron Pipe)	1909500.1302	1119808.6821	629.32
1078 (Iron Pipe)	1909565.5800	1120822.3000	625.41



HANCOCK ENGINEERING
 100 Years of Excellence
 9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-865-0300
 www.hancock.com

◆ Civil Engineers
 ◆ Municipal Consultants
 ◆ Established 1911

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

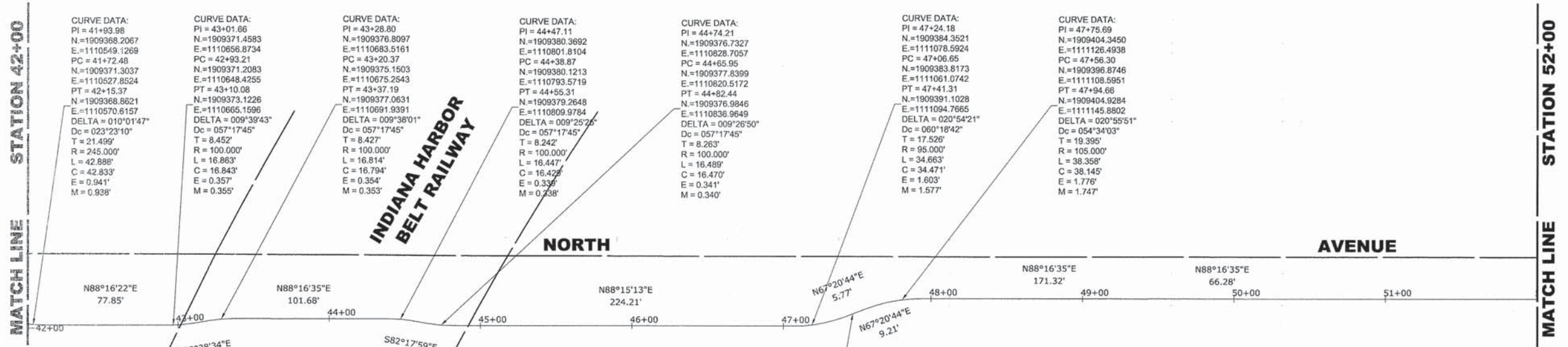
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENT AND TIES PLAN

SCALE: 1" = 40' SHEET NO. 1 OF 7 SHEETS STA. 23+00 TO STA. 42+00

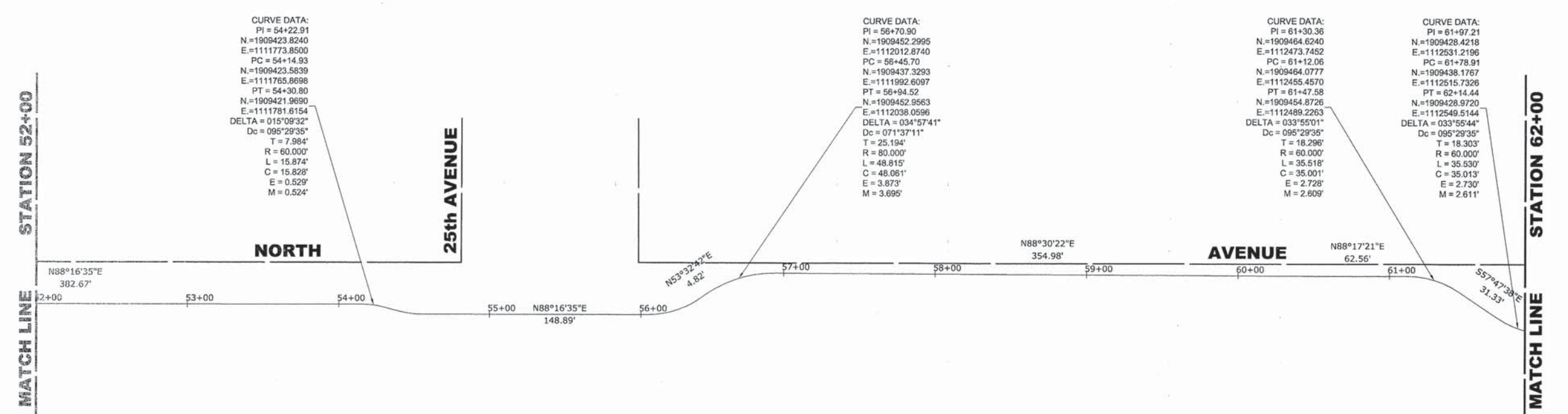
MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	9
FIELD BOOK NO. : GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

Drawing file: W:\projects\by_state\Illinois\Projects\600-14-242 - North Ave Commuter Bicycle Path_Site\Alignment & Ties.dwg Aug 04, 2015 - 10:44am



CONTROL POINTS

Control Point No. (Desc.)	Northing	Easting	Elevation
7890 (Etched Cross in sidewalk)	1909389.4716	1109757.0824	636.25
4003 (Iron Pipe)	1909448.7368	1112039.8832	634.70
2297 (Mag Nail)	1909478.1502	1113922.9275	629.18
2298 (Iron Pipe)	1909381.0424	1114571.5203	628.84
1862 (Iron Pipe)	1909373.8208	1115469.8601	629.89
2300 (Iron Pipe)	1909430.0014	1117141.9839	630.86
1307 (Survey Monument)	1909480.9564	1118826.6362	627.89
4002 (Iron Pipe)	1909500.1302	1119808.6821	629.32
1078 (Iron Pipe)	1909565.5800	1120822.3000	625.41



Drawing File: W:\Projects\by_date\A\Aurora Park\080142-02 - North Ave. Commuter Bicycle Path - Site Alignment & Ties.dwg
 Aug 04, 2015 - 10:45am

HANCOCK ENGINEERING
 9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-845-0300
 www.hancock.com

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT AND TIES PLAN
 SCALE: 1" = 40'
 SHEET NO. 2 OF 7 SHEETS
 STA. 42+00 TO STA. 62+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	10
FIELD BOOK NO.: GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

Drawing file: W:\Projects\by_Village\Mapas - 804\001-1242 - North Ave Commuter Bicycle Path_Site\Alignment & Ties.dwg Aug 14, 2015 12:45pm

MATCH LINE STATION 62+00

MATCH LINE STATION 72+00

MATCH LINE STATION 73+00

MATCH LINE STATION 77+50

NORTH

NORTH

AVENUE

AVENUE

19th AVENUE

19th AVENUE

JEWEL DRIVE

CONTROL POINTS

Control Point No. (Desc.)	Northing	Easting	Elevation
7890 (Etched Cross in sidewalk)	1909389.4716	1109757.0824	636.25
4003 (Iron Pipe)	1909448.7368	1112039.8832	634.70
2297 (Mag Nail)	1909478.1502	1113922.9275	629.18
2298 (Iron Pipe)	1909381.0424	1114571.5203	628.84
1862 (Iron Pipe)	1909373.8208	1115469.8601	629.89
2300 (Iron Pipe)	1909430.0014	1117141.9839	630.86
1307 (Survey Monument)	1909480.9564	1118826.6362	627.89
4002 (Iron Pipe)	1909500.1302	1119808.6821	629.32
1078 (Iron Pipe)	1909565.5800	1120822.3000	625.41

CURVE DATA:
 PI = 71+52.88
 N = 1909460.1055
 E = 1113487.3264
 PC = 71+46.94
 N = 1909459.9268
 E = 1113481.3880
 PT = 71+58.79
 N = 1909459.1161
 E = 1113493.1846
 DELTA = 011°18'36"
 Dc = 095°29'35"
 T = 5.941'
 R = 60.000'
 L = 11.844'
 C = 11.825'
 E = 0.293'
 M = 0.292'

CURVE DATA:
 PI = 72+74.92
 N = 1909463.4595
 E = 1113608.3102
 PC = 72+61.92
 N = 1909460.0529
 E = 1113595.7664
 PT = 72+87.52
 N = 1909461.3695
 E = 1113621.1392
 DELTA = 024°26'49"
 Dc = 095°29'35"
 T = 5.762'
 R = 60.000'
 L = 25.601'
 C = 25.407'
 E = 1.392'
 M = 1.360'

CURVE DATA:
 PI = 72+94.00
 N = 1909460.3285
 E = 1113627.5286
 PC = 72+89.23
 N = 1909461.2550
 E = 1113621.8418
 PT = 72+98.72
 N = 1909460.5012
 E = 1113633.2877
 DELTA = 010°58'13"
 Dc = 095°29'35"
 T = 5.762'
 R = 60.000'
 L = 11.488'
 C = 11.471'
 E = 0.276'
 M = 0.275'

CURVE DATA:
 PI = 74+71.39
 N = 1909465.6457
 E = 1113804.8739
 PC = 74+59.66
 N = 1909465.2943
 E = 1113793.1513
 PT = 74+82.82
 N = 1909470.3854
 E = 1113815.6014
 DELTA = 022°07'11"
 Dc = 095°29'35"
 T = 11.728'
 R = 60.000'
 L = 23.164'
 C = 23.020'
 E = 1.135'
 M = 1.114'

CURVE DATA:
 PI = 75+00.31
 N = 1909477.4513
 E = 1113831.5940
 PC = 74+88.63
 N = 1909472.7315
 E = 1113820.9115
 PT = 75+11.70
 N = 1909477.8198
 E = 1113843.2689
 DELTA = 022°01'45"
 Dc = 095°29'35"
 T = 11.679'
 R = 60.000'
 L = 23.069'
 C = 22.927'
 E = 1.126'
 M = 1.105'

PI = 75+74.66
 N = 1909479.8062
 E = 1113906.2013

PI = 76+00.00
 N = 1909354.7582
 E = 1113898.6940

CURVE DATA:
 PI = 76+37.49
 N = 1909360.9326
 E = 1113935.2456
 PC = 76+20.48
 N = 1909355.3866
 E = 1113919.1686
 PT = 76+54.27
 N = 1909361.7907
 E = 1113952.2306
 DELTA = 016°08'24"
 Dc = 047°46'07"
 T = 17.007'
 R = 119.944'
 L = 33.788'
 C = 33.677'
 E = 1.200'
 M = 1.188'



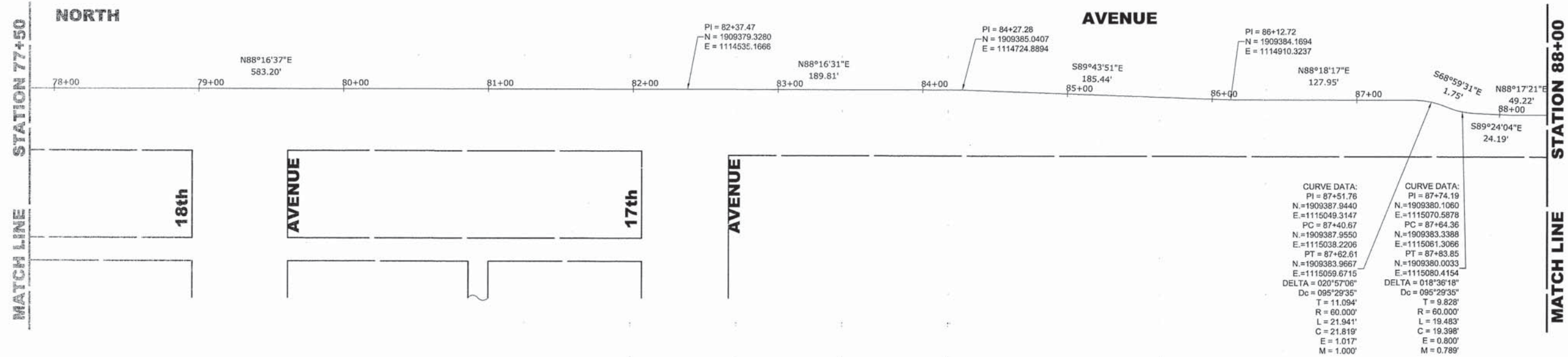
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENT AND TIES PLAN

DESIGNED -	WOP	REVISED -	8-4-15 I.D.O.T. DMM
DRAWN -	DMM, MK	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	3-6-15	REVISED -	

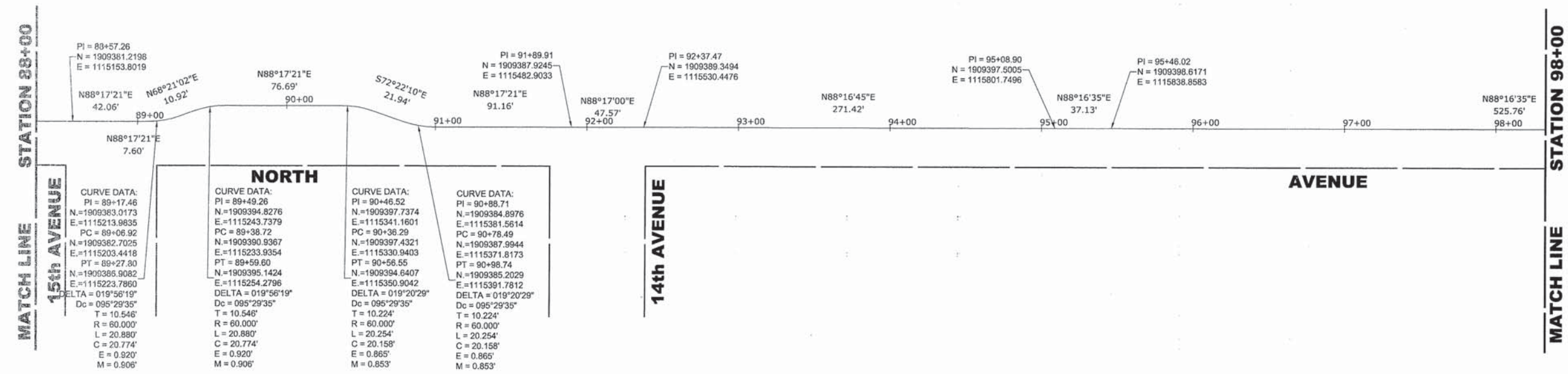
MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	11
FIELD BOOK NO. : GPS		CONTRACT NO. 61878		
		ILLINOIS FED. AID PROJECT		

SCALE: 1" = 40' SHEET NO. 3 OF 7 SHEETS STA. 62+00 TO STA. 77+50



CONTROL POINTS

Control Point No. (Desc.)	Northing	Easting	Elevation
7890 (Etched Cross in sidewalk)	1909389.4716	1109757.0824	636.25
4003 (Iron Pipe)	1909448.7368	1112039.8832	634.70
2297 (Mag Nail)	1909478.1502	1113922.9275	629.18
2298 (Iron Pipe)	1909381.0424	1114571.5203	628.84
1862 (Iron Pipe)	1909373.8208	1115469.8601	629.89
2300 (Iron Pipe)	1909430.0014	1117141.9839	630.86
1307 (Survey Monument)	1909480.9564	1118826.6362	627.89
4002 (Iron Pipe)	1909500.1302	1119808.6821	629.32
1078 (Iron Pipe)	1909565.5800	1120822.3000	625.41



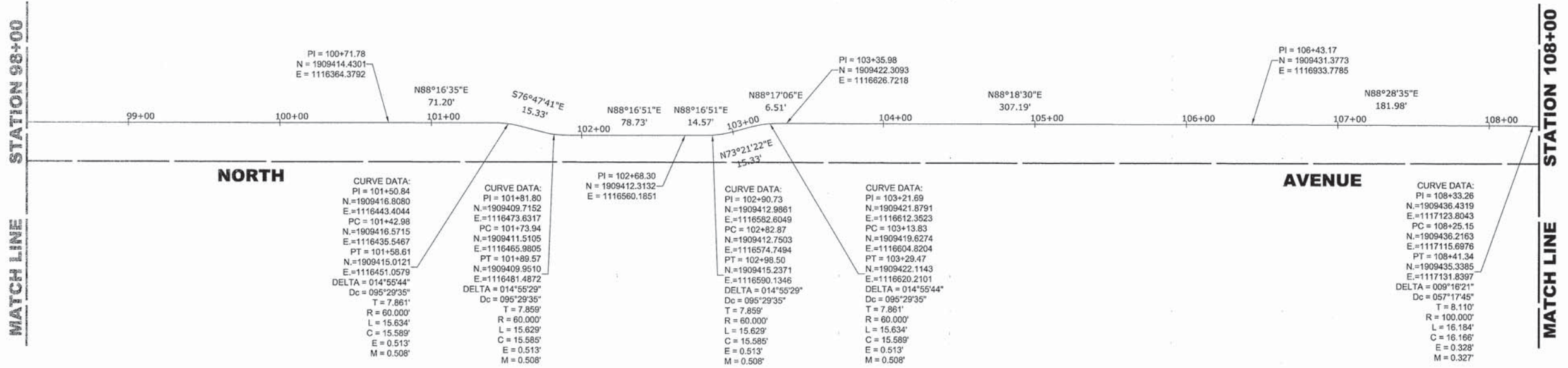
Drawing File: W:\Projects\13_Village\Maine\Par\60014207 - North Ave Commuter Bicycle Path_Site\Assignment & Ties.dwg
 Aug 04, 2015 - 10:47am
 100+ Years of Excellence
 HANCOCK ENGINEERING
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-845-0300
 www.hancock.com

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

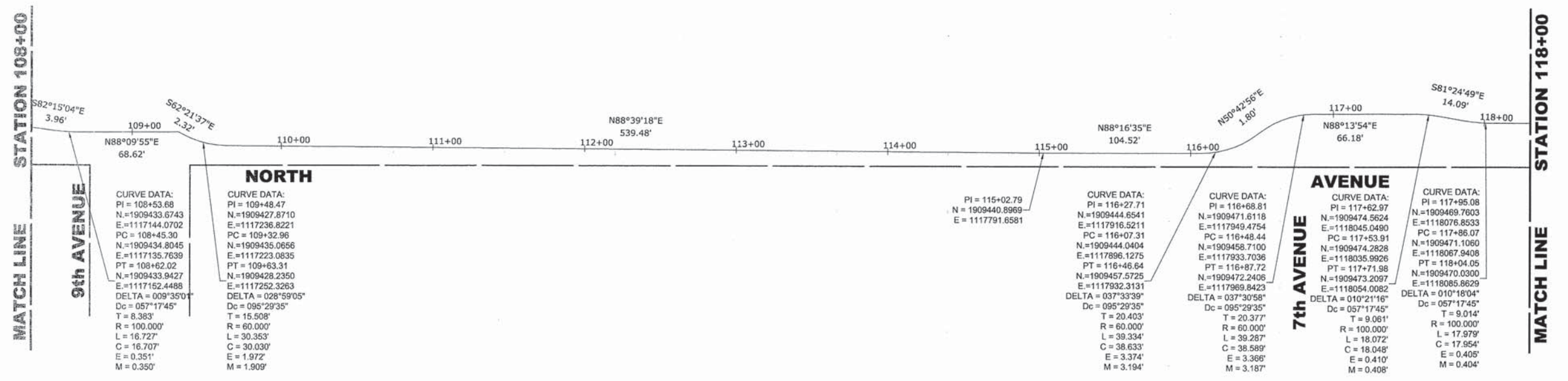
ALIGNMENT AND TIES PLAN	
SCALE: 1" = 40'	SHEET NO. 4 OF 7 SHEETS
STA. 77+50	TO STA. 98+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	12
FIELD BOOK NO.: GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		



CONTROL POINTS

Control Point No. (Desc.)	Northing	Easting	Elevation
7890 (Etched Cross in sidewalk)	1909389.4716	1109757.0824	636.25
4003 (Iron Pipe)	1909448.7368	1112039.8832	634.70
2297 (Mag Nail)	1909478.1502	1113922.9275	629.18
2298 (Iron Pipe)	1909381.0424	1114571.5203	628.84
1862 (Iron Pipe)	1909373.8208	1115469.8601	629.89
2300 (Iron Pipe)	1909430.0014	1117141.9839	630.86
1307 (Survey Monument)	1909480.9564	1118826.6362	627.89
4002 (Iron Pipe)	1909500.1302	1119808.6821	629.32
1078 (Iron Pipe)	1909565.5800	1120822.3000	625.41



HANCOCK ENGINEERING
 50+ Years of Excellence
 9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-845-0300
 www.hancock.com

◆ Civil Engineers
 ◆ Municipal Consultants
 ◆ Established 1911

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENT AND TIES PLAN

SCALE: 1" = 40'
 SHEET NO. 5 OF 7 SHEETS
 STA. 98+00 TO STA. 118+00

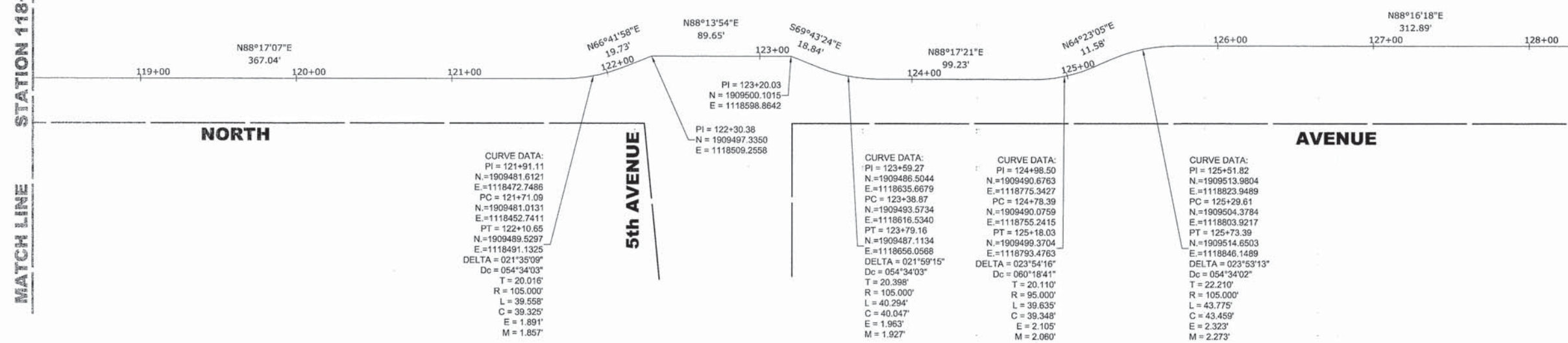
MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	13
FIELD BOOK NO.: GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

Drawing File: \\S:\Projects\13_Village\Vehicle Park\60014242 - North Ave. Corridor\Bicycle Path_Site\Alignment & Ties.dwg Aug 04, 2015 - 10:46am



STATION 118+00
MATCH LINE

STATION 128+00
MATCH LINE



CURVE DATA:
 PI = 121+91.11
 N = 1909481.6121
 E = 1118472.7486
 PC = 121+71.09
 N = 1909481.0131
 E = 1118452.7411
 PT = 122+10.65
 N = 1909489.5297
 E = 1118491.1325
 DELTA = 021°35'09"
 Dc = 054°34'03"
 T = 20.016'
 R = 105.000'
 L = 39.558'
 C = 39.325'
 E = 1.891'
 M = 1.857'

PI = 123+20.03
 N = 1909500.1015
 E = 1118598.8642
 PI = 122+30.38
 N = 1909497.3350
 E = 1118509.2558

CURVE DATA:
 PI = 123+59.27
 N = 1909486.5044
 E = 1118635.6679
 PC = 123+38.87
 N = 1909493.5734
 E = 1118616.5340
 PT = 123+79.16
 N = 1909487.1134
 E = 1118656.0568
 DELTA = 021°59'15"
 Dc = 054°34'03"
 T = 20.398'
 R = 105.000'
 L = 40.294'
 C = 40.047'
 E = 1.963'
 M = 1.927'

CURVE DATA:
 PI = 124+98.50
 N = 1909490.6763
 E = 1118775.3427
 PC = 124+78.39
 N = 1909490.0759
 E = 1118755.2415
 PT = 125+18.03
 N = 1909499.3704
 E = 1118793.4763
 DELTA = 023°54'16"
 Dc = 060°18'41"
 T = 20.110'
 R = 95.000'
 L = 39.635'
 C = 39.348'
 E = 2.105'
 M = 2.060'

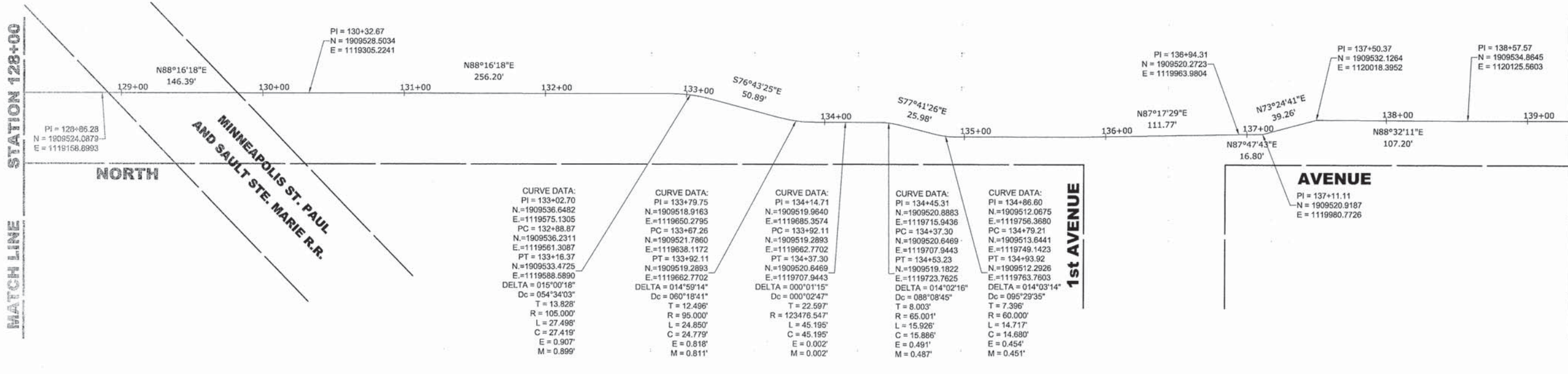
CURVE DATA:
 PI = 125+51.82
 N = 1909513.9804
 E = 1118823.9489
 PC = 125+29.61
 N = 1909504.3784
 E = 1118803.9217
 PT = 125+73.39
 N = 1909514.6503
 E = 1118846.1489
 DELTA = 023°53'13"
 Dc = 054°34'02"
 T = 22.210'
 R = 105.000'
 L = 43.775'
 C = 43.459'
 E = 2.323'
 M = 2.273'

CONTROL POINTS

Control Point No. (Desc.)	Northing	Easting	Elevation
7890 (Etched Cross in sidewalk)	1909389.4716	1109757.0824	636.25
4003 (Iron Pipe)	1909448.7368	1112039.8832	634.70
2297 (Mag Nail)	1909478.1502	1113922.9275	629.18
2298 (Iron Pipe)	1909381.0424	1114571.5203	628.84
1862 (Iron Pipe)	1909373.8208	1115469.8601	629.89
2300 (Iron Pipe)	1909430.0014	1117141.9839	630.86
1307 (Survey Monument)	1909480.9564	1118826.6362	627.89
4002 (Iron Pipe)	1909500.1302	1119808.6821	629.32
1078 (Iron Pipe)	1909565.5800	1120822.3000	625.41

STATION 128+00
MATCH LINE

STATION 139+00
MATCH LINE



CURVE DATA:
 PI = 133+02.70
 N = 1909536.6482
 E = 1119575.1305
 PC = 132+88.87
 N = 1909536.2311
 E = 1119561.3087
 PT = 133+16.37
 N = 1909533.4725
 E = 1119588.5890
 DELTA = 015°00'18"
 Dc = 054°34'03"
 T = 13.828'
 R = 105.000'
 L = 27.498'
 C = 27.419'
 E = 0.907'
 M = 0.899'

CURVE DATA:
 PI = 133+79.75
 N = 1909518.9163
 E = 1119650.2795
 PC = 133+67.26
 N = 1909521.7860
 E = 1119638.1172
 PT = 133+92.11
 N = 1909519.2893
 E = 1119707.9443
 DELTA = 014°59'14"
 Dc = 060°18'41"
 T = 12.496'
 R = 95.000'
 L = 24.850'
 C = 24.779'
 E = 0.818'
 M = 0.811'

CURVE DATA:
 PI = 134+14.71
 N = 1909519.9640
 E = 1119685.3574
 PC = 133+92.11
 N = 1909519.2893
 E = 1119662.7702
 PT = 134+37.30
 N = 1909520.6469
 E = 1119723.7625
 DELTA = 000°01'15"
 Dc = 000°02'47"
 T = 22.597'
 R = 123476.547'
 L = 45.195'
 C = 45.195'
 E = 0.002'
 M = 0.002'

CURVE DATA:
 PI = 134+45.31
 N = 1909520.8883
 E = 1119715.9436
 PC = 134+37.30
 N = 1909520.6469
 E = 1119707.9443
 PT = 134+53.23
 N = 1909519.1822
 E = 1119723.7625
 DELTA = 014°02'16"
 Dc = 088°08'45"
 T = 8.003'
 R = 65.001'
 L = 15.926'
 C = 15.886'
 E = 0.491'
 M = 0.487'

CURVE DATA:
 PI = 134+86.60
 N = 1909512.0675
 E = 1119756.3680
 PC = 134+79.21
 N = 1909513.6441
 E = 1119749.1423
 PT = 134+93.92
 N = 1909512.2926
 E = 1119763.7603
 DELTA = 014°03'14"
 Dc = 095°29'35"
 T = 7.396'
 R = 60.000'
 L = 14.717'
 C = 14.680'
 E = 0.454'
 M = 0.451'

CURVE DATA:
 PI = 137+11.11
 N = 1909520.9187
 E = 1119980.7726

HANCOCK ENGINEERING
 100+ Years of Excellence
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-865-0300
 www.hancock.com

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

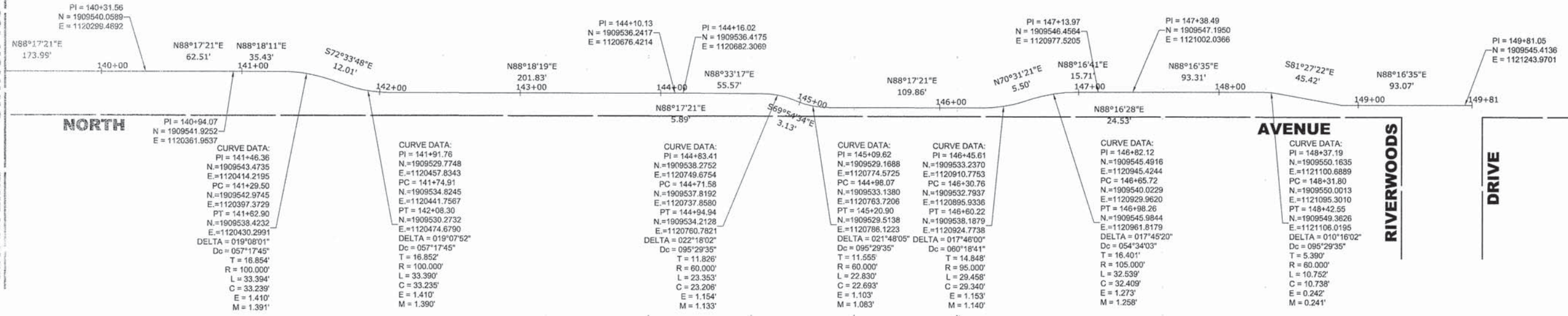
ALIGNMENT AND TIES PLAN
 SCALE: 1" = 40'
 SHEET NO. 6 OF 7 SHEETS
 STA. 118+00 TO STA. 139+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	14
FIELD BOOK NO. : GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

Drawing: I:\Projects\by_Village\Illinois\60014242 - North Ave. Commuter Bicycle Path_Site\Alignment & Ties.dwg Aug 04, 2015 - 10:47am



MATCH LINE STATION 139+00



CONTROL POINTS

Control Point No. (Desc.)	Northing	Easting	Elevation
7890 (Etched Cross in sidewalk)	1909389.4716	1109757.0824	636.25
4003 (Iron Pipe)	1909448.7368	1112039.8832	634.70
2297 (Mag Nail)	1909478.1502	1113922.9275	629.18
2298 (Iron Pipe)	1909381.0424	1114571.5203	628.84
1862 (Iron Pipe)	1909373.8208	1115469.8601	629.89
2300 (Iron Pipe)	1909430.0014	1117141.9839	630.86
1307 (Survey Monument)	1909480.9564	1118826.6362	627.89
4002 (Iron Pipe)	1909500.1302	1119808.6821	629.32
1078 (Iron Pipe)	1909565.5800	1120822.3000	625.41

Drawing No. 101\Projects\By_Village\Maplewood\60011212 - North Ave. Continuer Boyds Park_E110\Alignment & Ties.dwg Aug 04, 2015 - 10:48am

HANCOCK ENGINEERING
 100+ Years of Excellence
 ♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911

9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-865-0300
 www.hancock.com

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

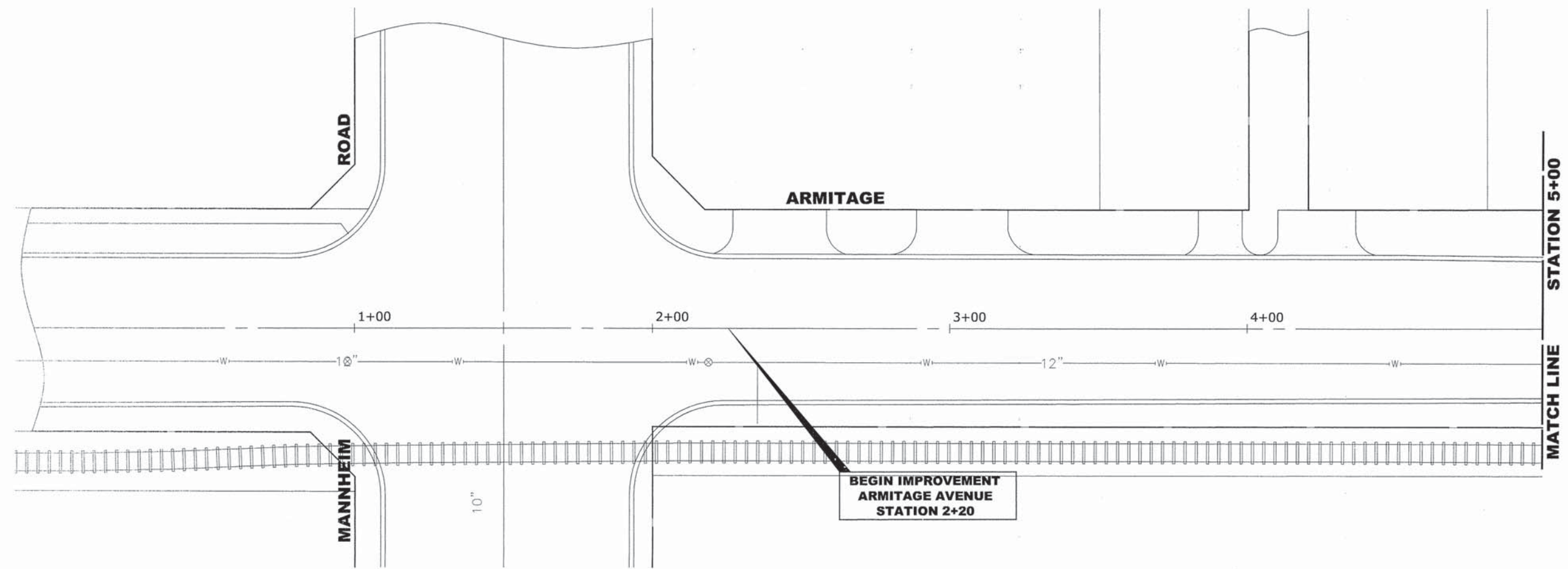
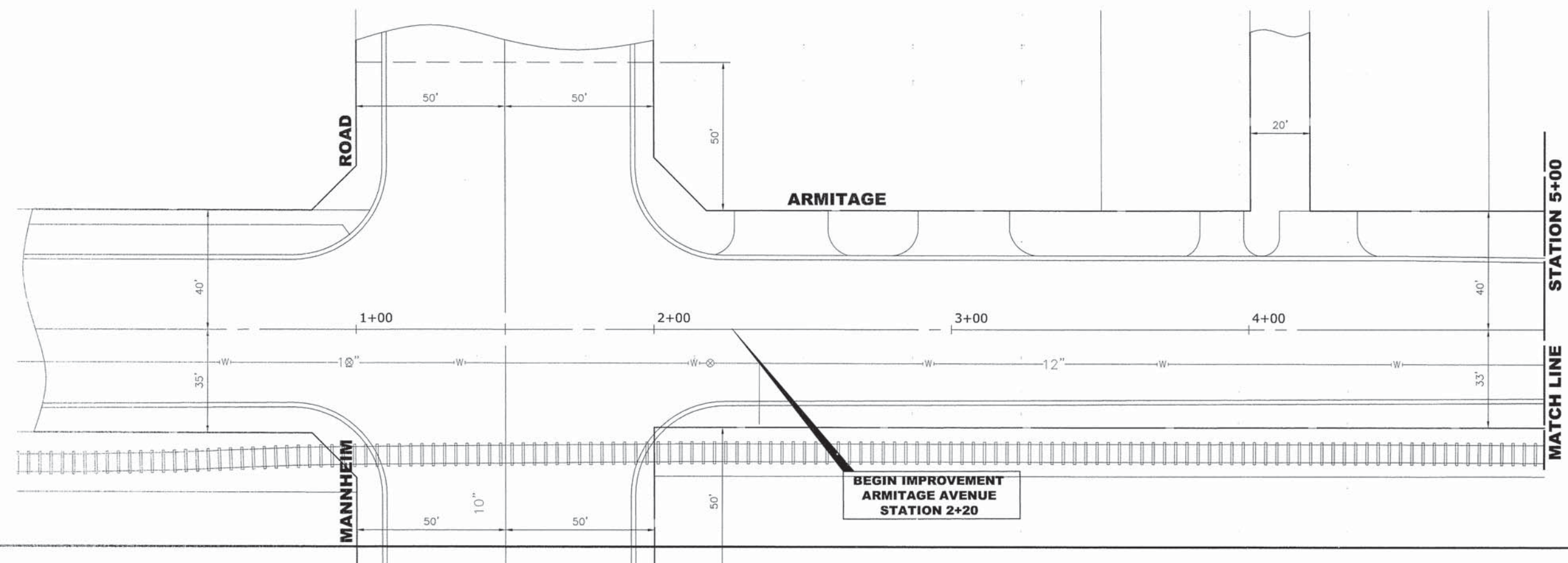
ALIGNMENT AND TIES PLAN

SCALE: 1" = 40'
 SHEET NO. 7 OF 7 SHEETS
 STA. 139+00 TO STA. 149+50

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	15
FIELD BOOK NO.: GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		



EXISTING TOPOGRAPHY



PROPOSED IMPROVEMENT

Drawing file: \\Projects\by_3\hajo\misc\pork\60012422 - North Ave Commuter Bicycle Path\Site\NORTH_AVE_2_LANDSCAPE\PROJECTS ONLY.dwg Aug 03, 2015 - 4:44pm

HANCOCK ENGINEERING
 100+ Years of Excellence
 ♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911

9933 Roosevelt Road
 Westchester, IL 60154-0780
 Phone: 708-865-0300
 www.hancock.com

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

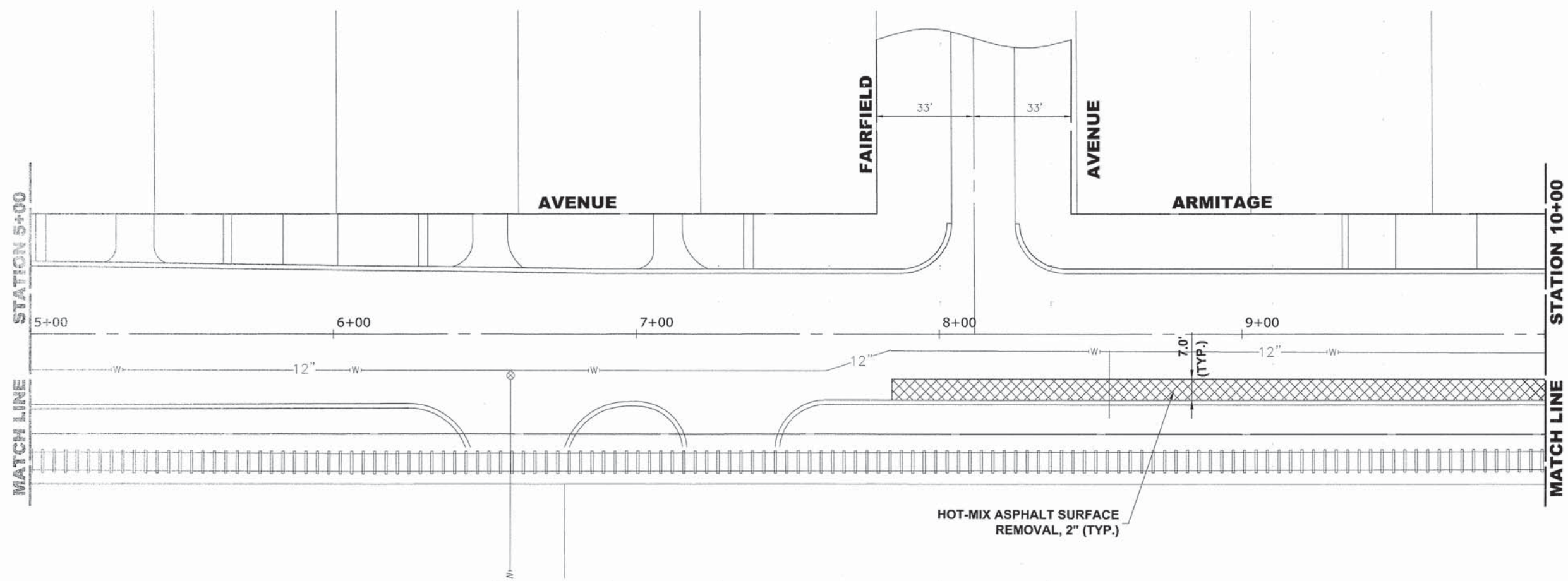
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ARMITAGE AVENUE
 PLAN**

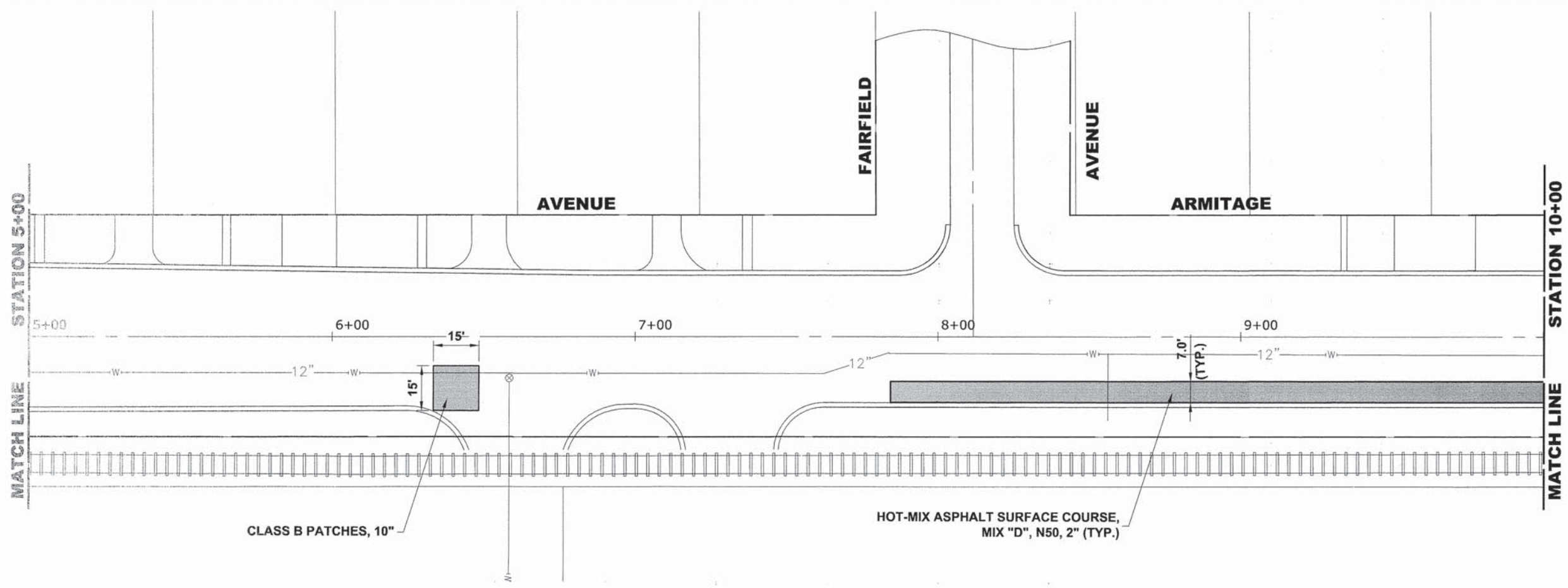
SCALE: 1"=20' SHEET NO. 1 OF 5 SHEETS STA. 2+20 TO STA. 5+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	16
FIELD BOOK NO.: GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

E.H.E. PROJECT NO. 600-14-24201



EXISTING TOPOGRAPHY



PROPOSED IMPROVEMENT

Drawing File: W:\Projects\By_Village\Unleash Park\0014242 - North Ave Commuter Bicycle Path_Site\NORTH_AVE_2_LAYOUT_SHEETS_ONLY.dwg Aug 03, 2015 - 4:45pm

HANCOCK ENGINEERING
 100+ Years of Excellence
 ♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911

9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-645-0300
 www.hancock.com

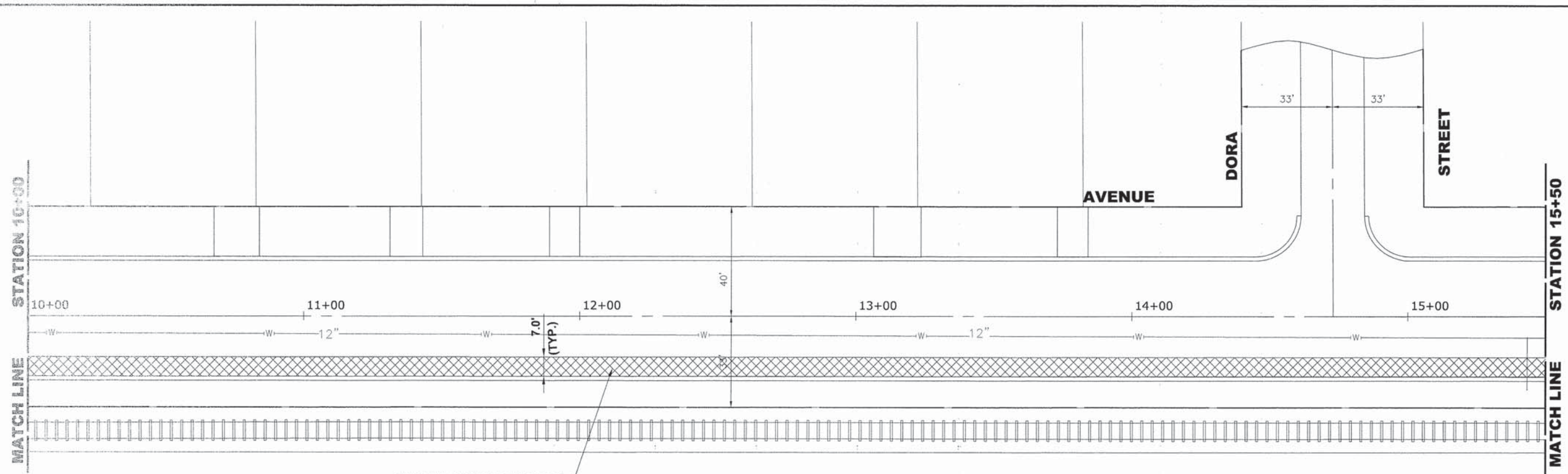
DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

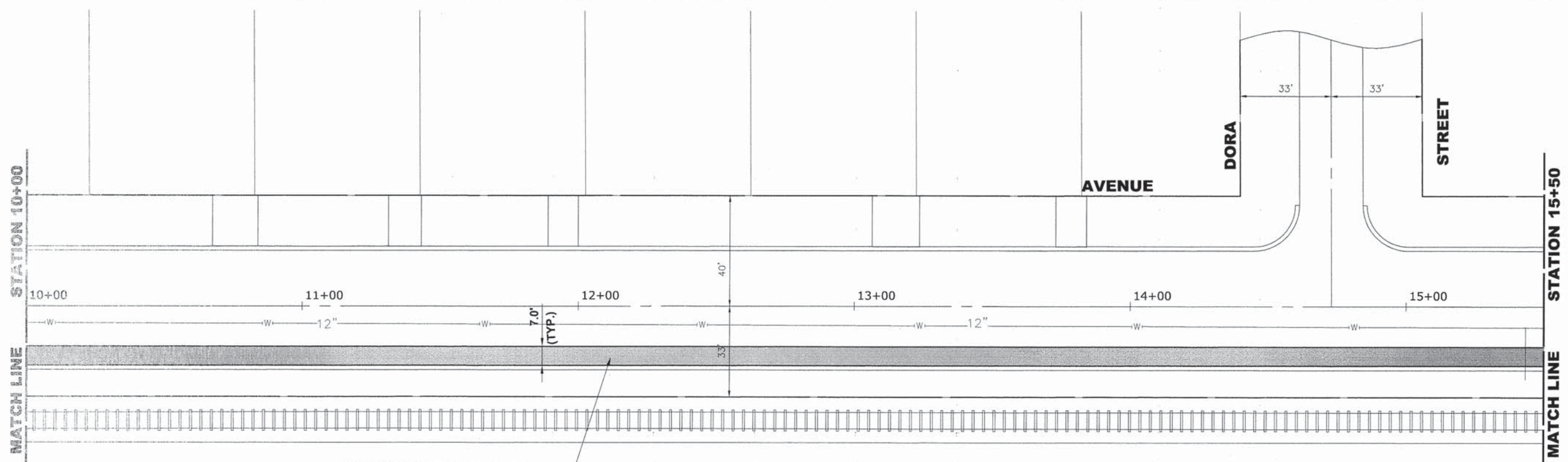
**ARMITAGE AVENUE
 PLAN**

SCALE: 1"=20' SHEET NO. 2 OF 5 SHEETS STA. 5+00 TO STA. 10+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	17
FIELD BOOK NO.: GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		



**EXISTING
TOPOGRAPHY**



**PROPOSED
IMPROVEMENT**

Drawing file: W:\Projects\by_Village\Arbitrage_Plan\50114EQ - 15th Ave Commuter Bypass Plan\50114EQ_2_LAYOUT_SHEETS ONLY.dwg Aug 03, 2015 - 4:45pm

HANCOCK ENGINEERING
 100+ Years of Excellence
 ♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911
 9923 Roosevelt Road
 Wheeling, IL 60154-2790
 Phone: 708-665-0300
 www.hancock.com

DESIGNED -	WOP	REVISED -	8-4-15 I.D.O.T. DMM
DRAWN -	DMM, MK	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	3-6-15	REVISED -	

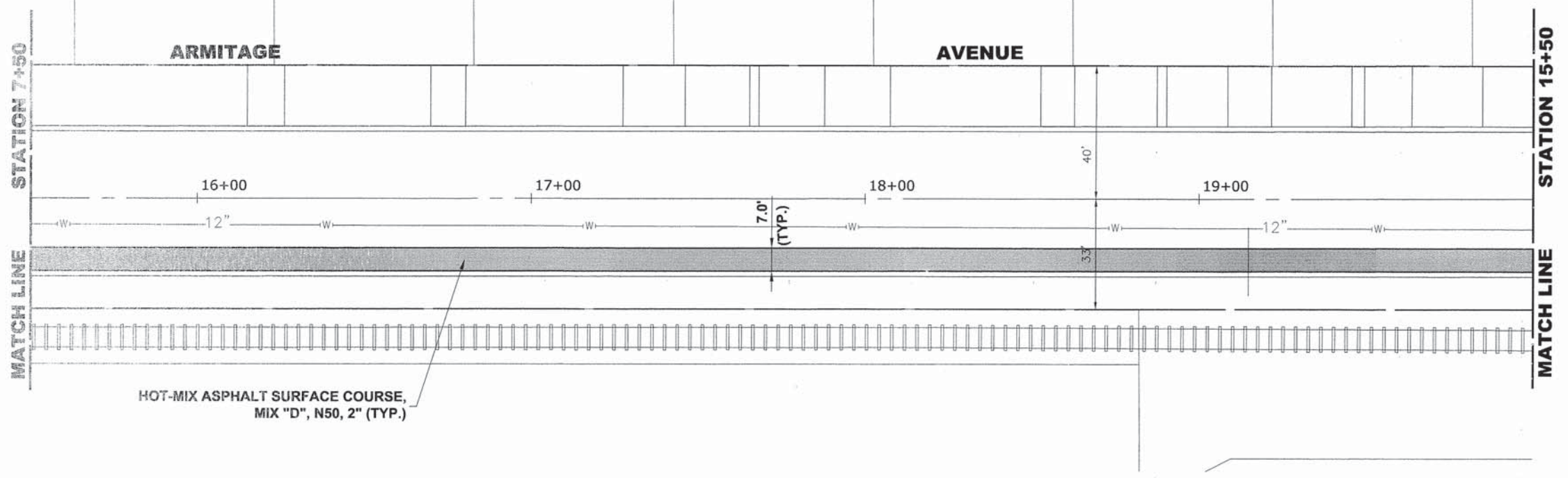
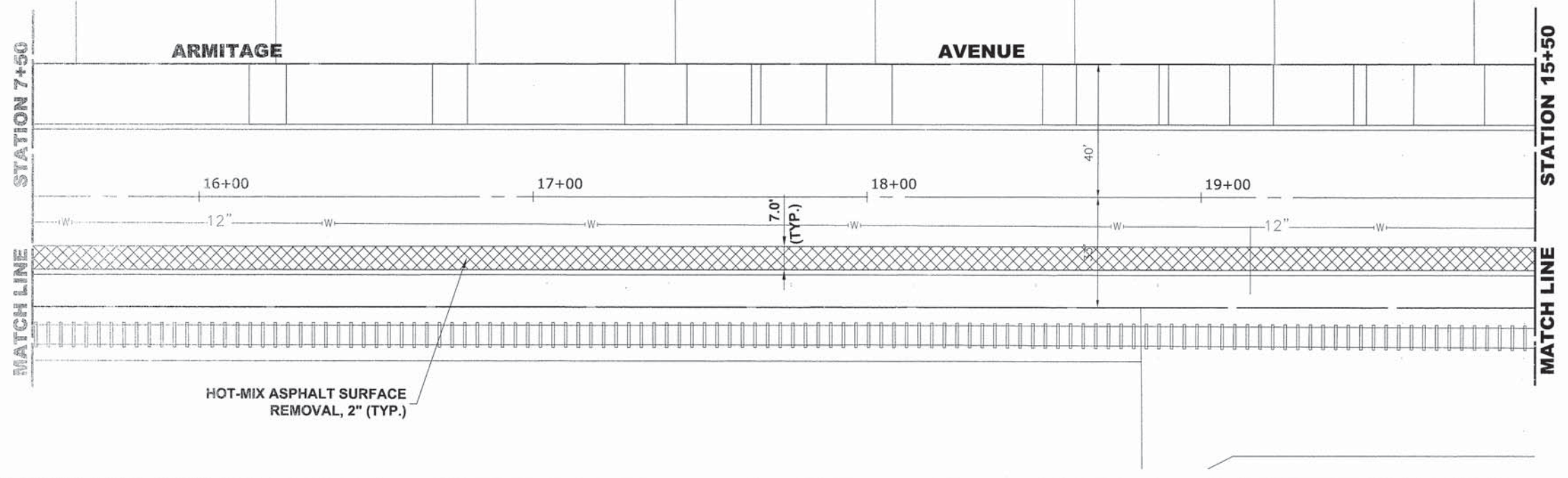
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARMITAGE AVENUE
PLAN**

SCALE: 1"=20' SHEET NO. 3 OF 5 SHEETS STA. 10+00 TO STA. 15+50

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	18
FIELD BOOK NO. : GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

E.H.E. PROJECT NO. 600-14-24201



Drawing file: K:\Projects\by_Mileage\Armitage_Park\6014242 - North Ave Commuter Bicycle Path_Site\NORTH_AVE_2_LAYOUT SHEETS ONLY.dwg Aug 01, 2015 - 4:45pm

HANCOCK ENGINEERING
 100+ Years of Excellence
 ♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911

9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-465-0300
 www.hancock.com

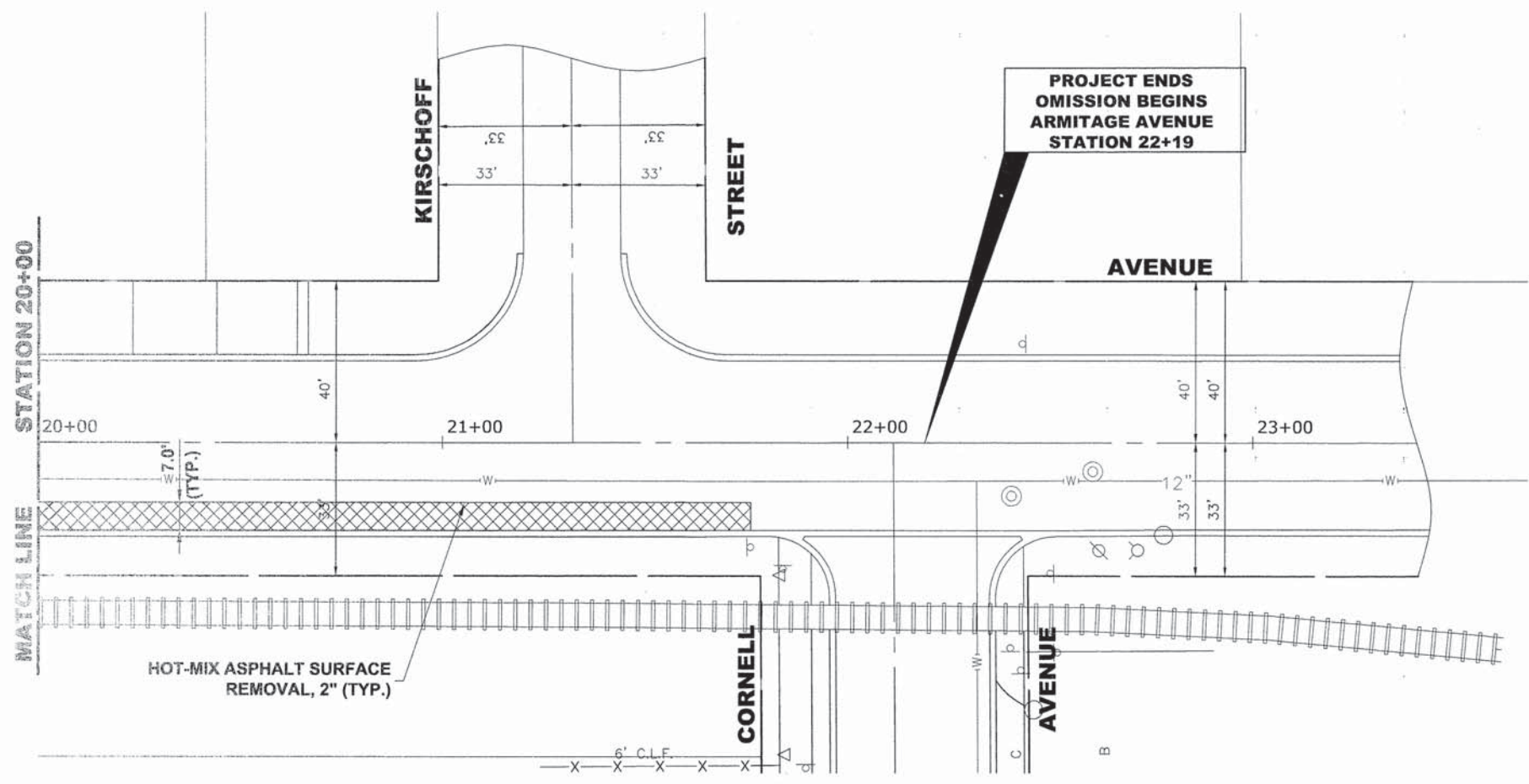
DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

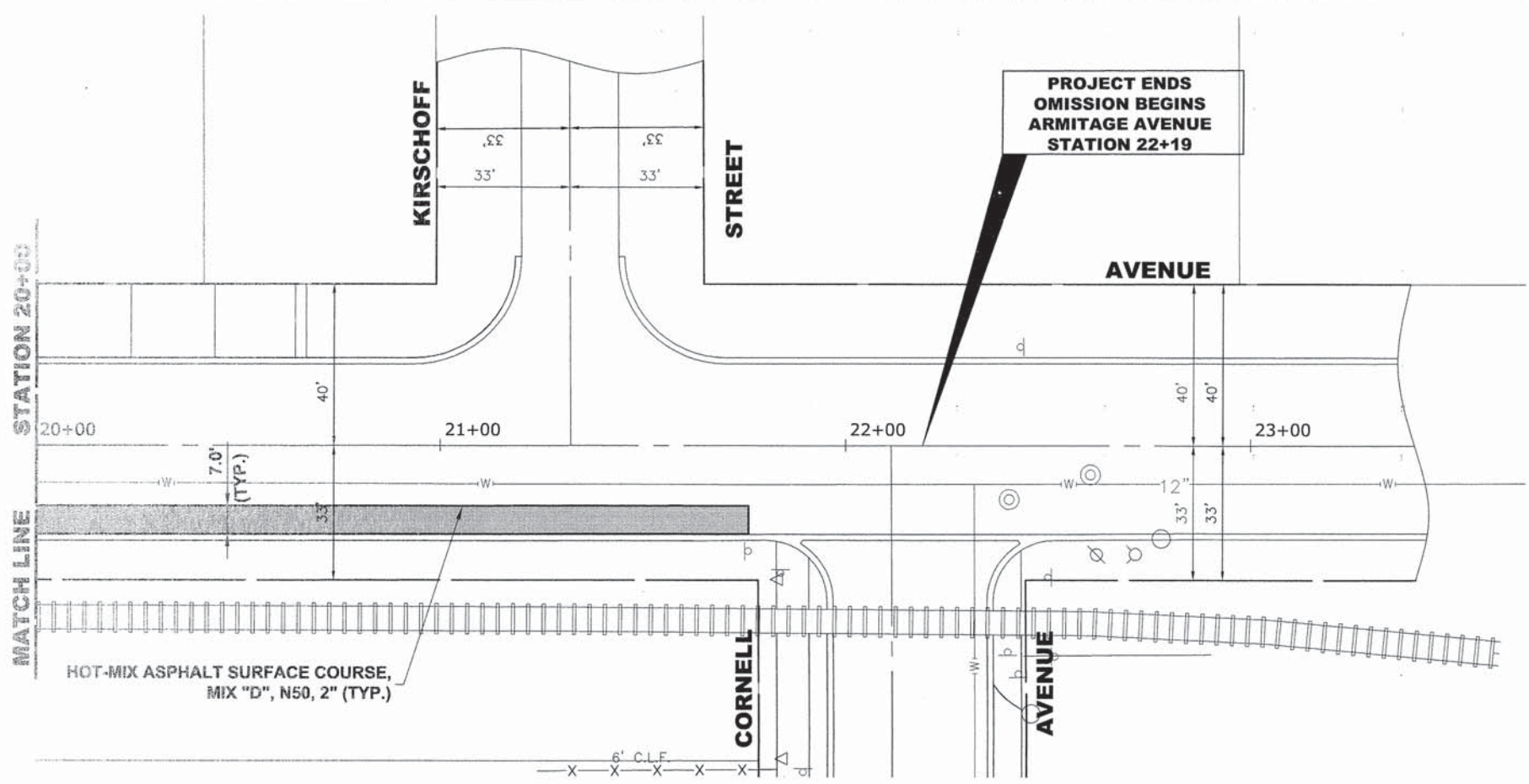
**ARMITAGE AVENUE
 PLAN**

SCALE: 1"=20' SHEET NO. 4 OF 5 SHEETS STA. 7+50 TO STA. 15+50

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	19
FIELD BOOK NO. : GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		



**EXISTING
TOPOGRAPHY**



**PROPOSED
IMPROVEMENT**

HANCOCK ENGINEERING
 100+ Years of Excellence
 ♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911
 9933 Roosevelt Road
 Westchester, IL 60154-0780
 Phone: 708-665-0300
 www.ehancock.com

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ARMITAGE AVENUE PLAN

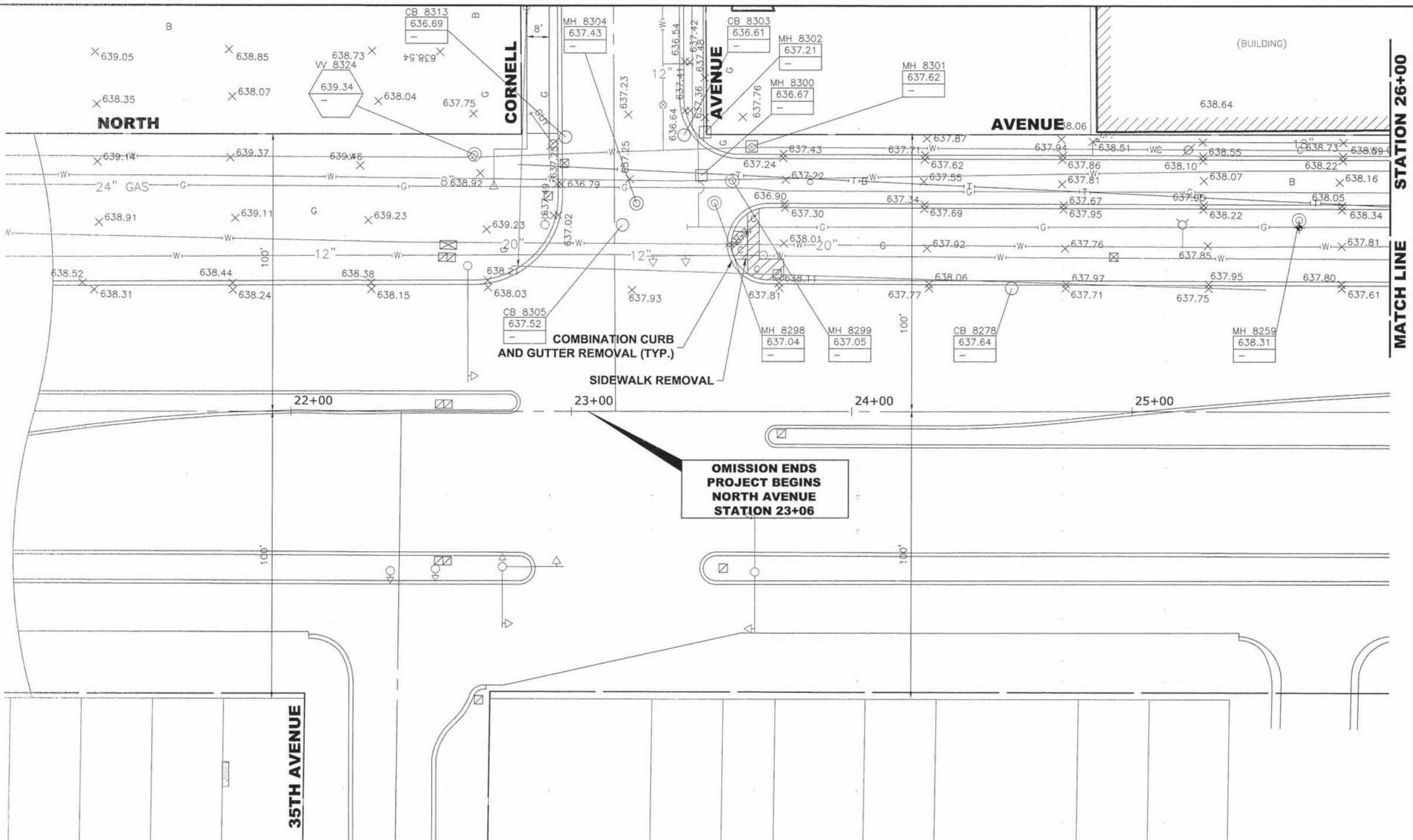
SCALE: 1"=20'

SHEET NO. 5 OF 5 SHEETS	STA. 20+00 TO STA. 22+19
-------------------------	--------------------------

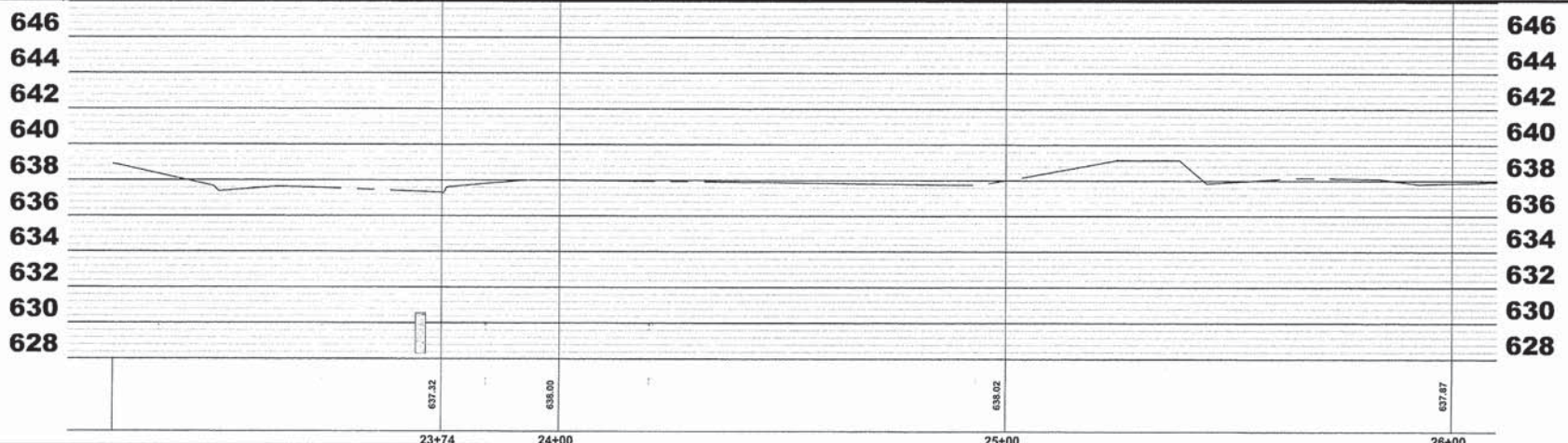
MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	20
FIELD BOOK NO. : GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

Drawing File: \\P\Projects\14-24201\Main\14-24201-001.dwg - North Ave Consumer Bicycle Path_Site\Drawings\14-24201-001.dwg Aug 03, 2015 - 4:46pm

Drawing title: \\Projects_by_Region\Verlose Park\60014242 - North Ave Commuter Bicycle Path\Site\NORTH_AVE_2_LAYOUT SHEETS ONLY.dwg Aug 05, 2015 - 8:45am



**OMISSION ENDS
PROJECT BEGINS
NORTH AVENUE
STATION 23+06**



HANCOCK ENGINEERING
 100+ Years of Excellence
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-465-0300
 www.hancock.com

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NORTH AVENUE
PLAN AND PROFILE**

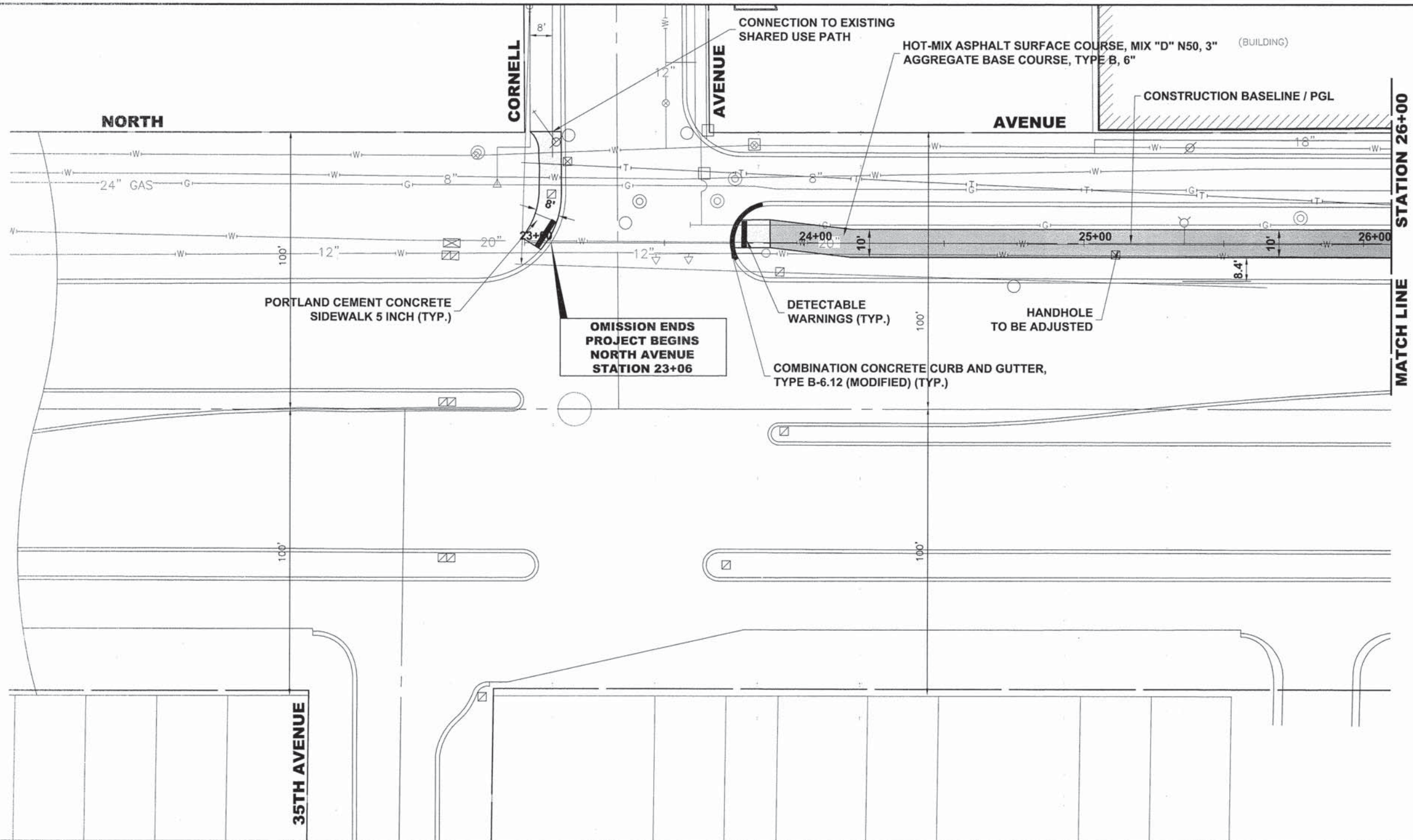
SCALE: 1"=20'H. & 1"=5'V. SHEET NO. 1 OF 28 SHEETS STA. 23+00 TO STA. 26+00

MS RTE. FAP 307	SECTION 08-00110-00-BT	COUNTY COOK	TOTAL SHEETS 155	SHEET NO. 21
FIELD BOOK NO.: GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

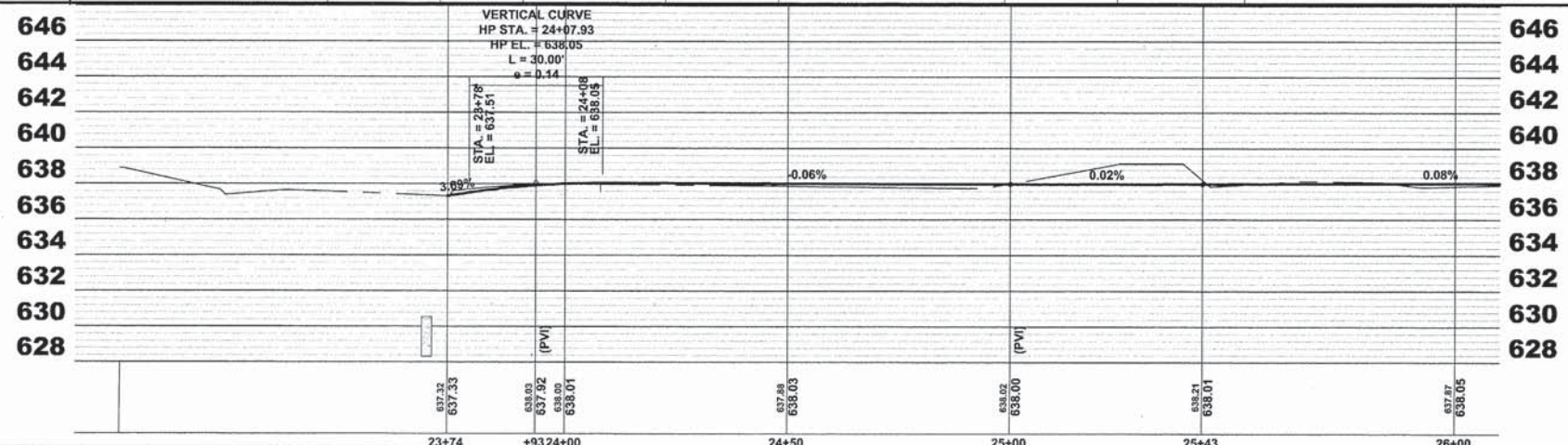
EXISTING TOPOGRAPHY



Drawing file: I:\Projects_08-11-10\08-11-10-001-4252 - North Ave Commuter Bypass Path\08-11-10-001-4252 - North Ave Commuter Bypass Path\08-11-10-001-4252 - North Ave Commuter Bypass Path\08-11-10-001-4252 - North Ave Commuter Bypass Path\08-11-10-001-4252 - North Ave Commuter Bypass Path\08-11-10-001-4252 - North Ave Commuter Bypass Path\08-11-10-001-4252 - North Ave Commuter Bypass Path.dwg Aug 05, 2015 - 9:49am



PROPOSED IMPROVEMENTS



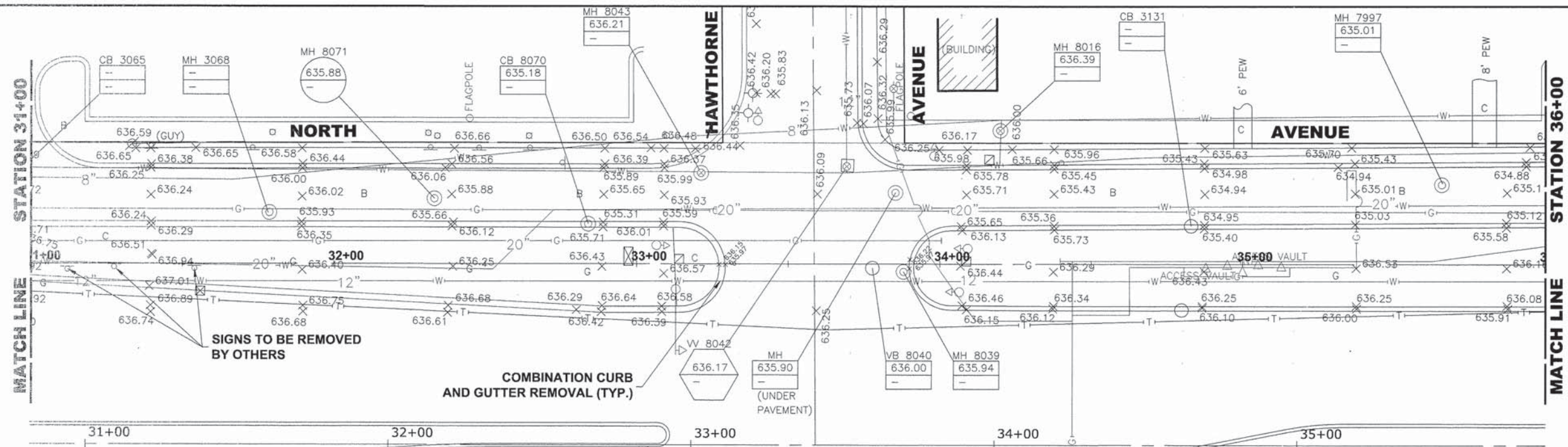
<p>HANCOCK ENGINEERING 100+ Years of Excellence</p>	<p>◆ Civil Engineers ◆ Municipal Consultants ◆ Established 1911</p>	<p>9933 Roosevelt Road Westchester, IL 60154-2780 Phone: 708-665-0000 www.hancock.com</p>
	<p>DESIGNED - WOP</p>	<p>REVISED - 8-4-15 I.D.O.T. DMM</p>
	<p>DRAWN - DMM, MK</p>	<p>REVISED -</p>
	<p>CHECKED - JGG</p>	<p>REVISED -</p>
<p>DATE - 3-6-15</p>		<p>REVISED -</p>

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

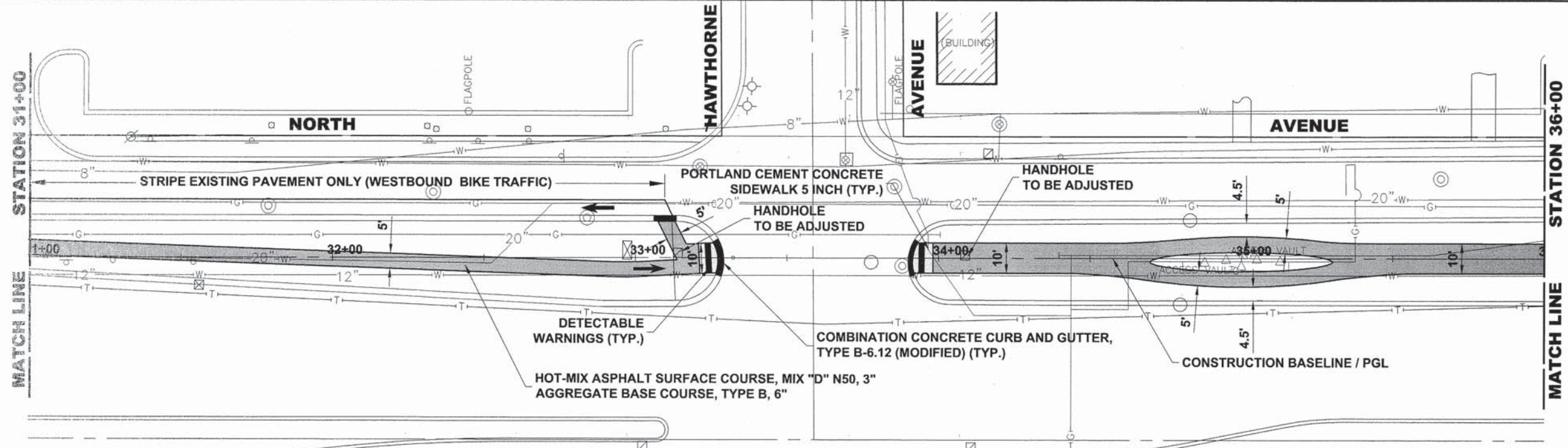
**NORTH AVENUE
PLAN AND PROFILE**

SCALE: 1"=20'H. & 1"=5'V. SHEET NO. 2 OF 28 SHEETS STA. TO STA. 26+00

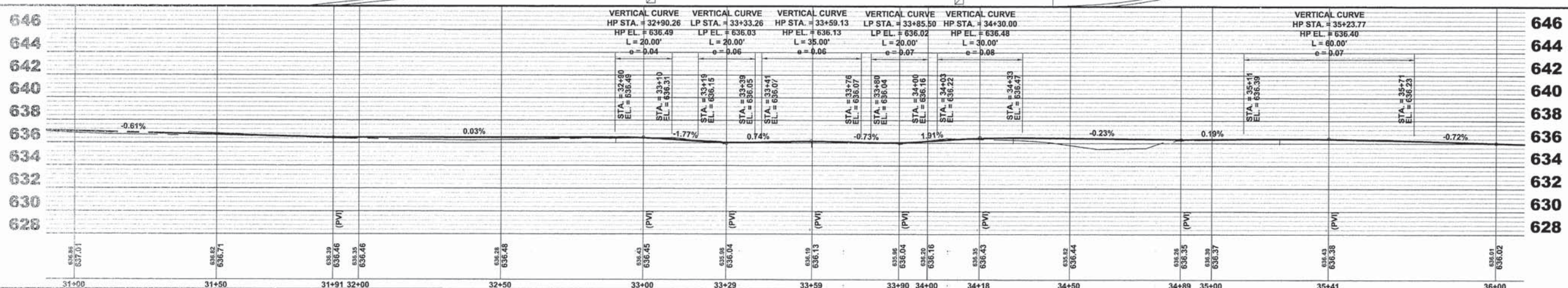
MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	22
FIELD BOOK NO.: GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		



EXISTING TOPOGRAPHY



PROPOSED IMPROVEMENT



Drawing File: W:\Projects\2015\11\14\North Ave Commuter Bicycle Path\6001242 - North Ave Commuter Bicycle Path\6001242 - LAYOUT SHEET - ONLY.dwg Aug 03, 2015 - 4:48pm

HANCOCK ENGINEERING
 100 Years of Excellence
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-643-0300
 www.hancock.com

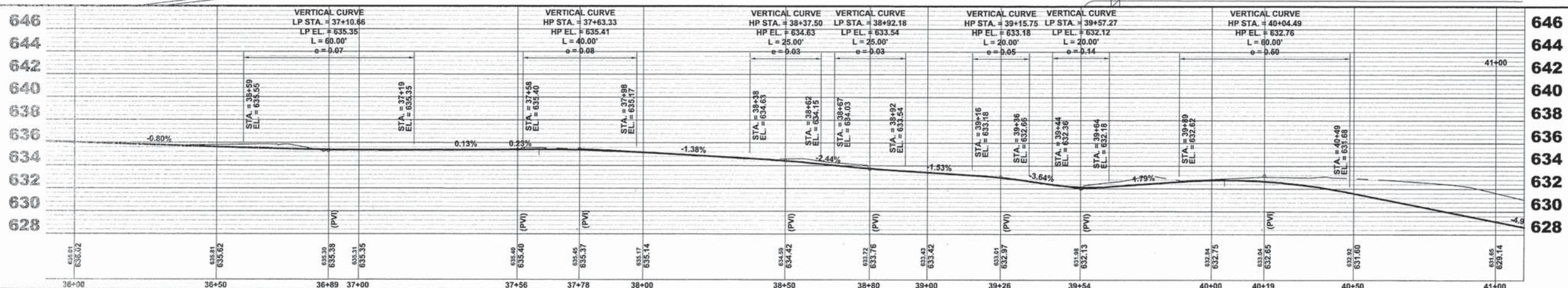
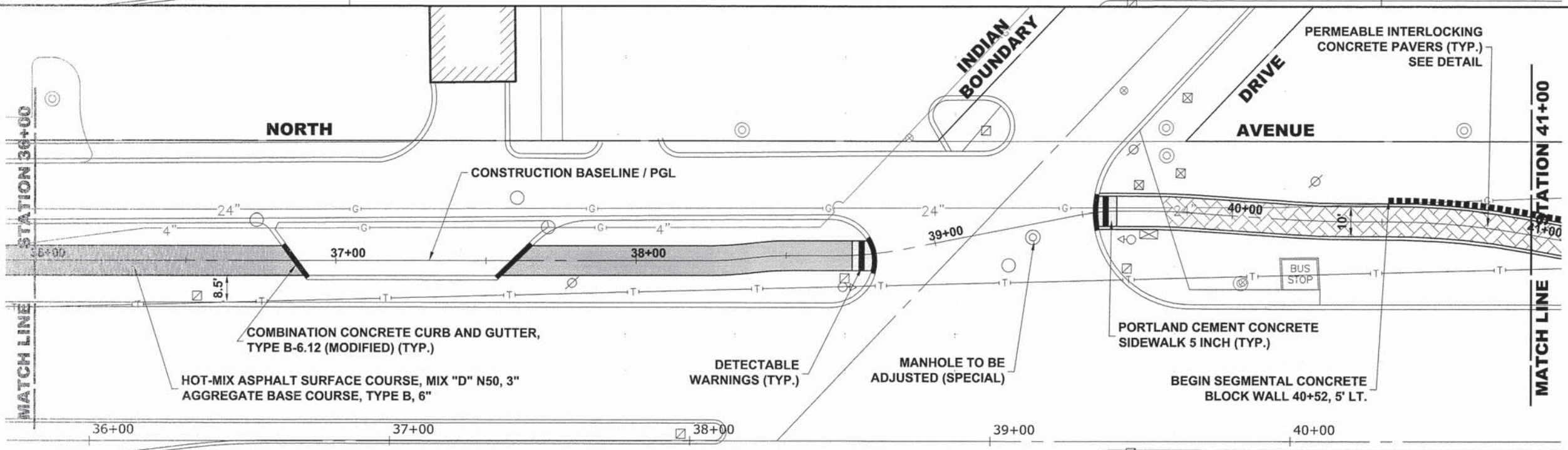
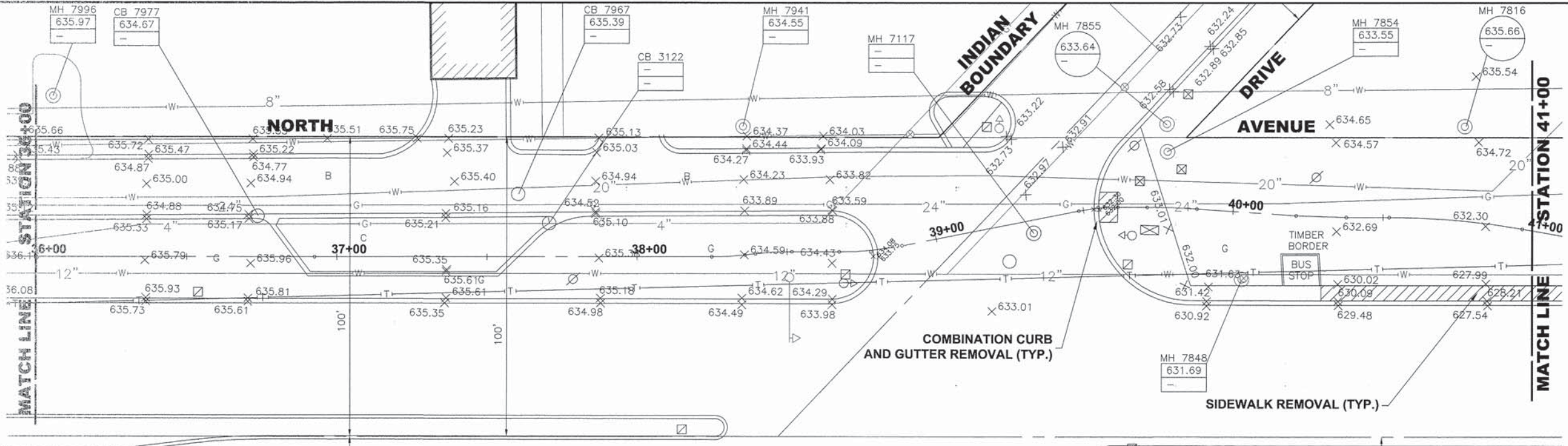
DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NORTH AVENUE
 PLAN AND PROFILE**

SCALE: 1"=20'H. & 1"=5'V. SHEET NO. 4 OF 28 SHEETS STA. 31+00 TO STA. 36+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	24
FIELD BOOK NO. : GPS	CONTRACT NO. 61B78		ILLINOIS FED. AID PROJECT	



Drawing by: W:\Projects\By_Village\Address_Park\001\02-12 - North Ave Commuter Bicycle Path\STA\NORTH_AVE_2_LAYOUT SHEETS ONLY.dwg Aug 03, 2015 - 4:48pm

HANCOCK ENGINEERING
 150 Years of Excellence
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Roswell Road
 Westchester, IL 60154-2780
 Phone: 708-665-0300
 www.hancock.com

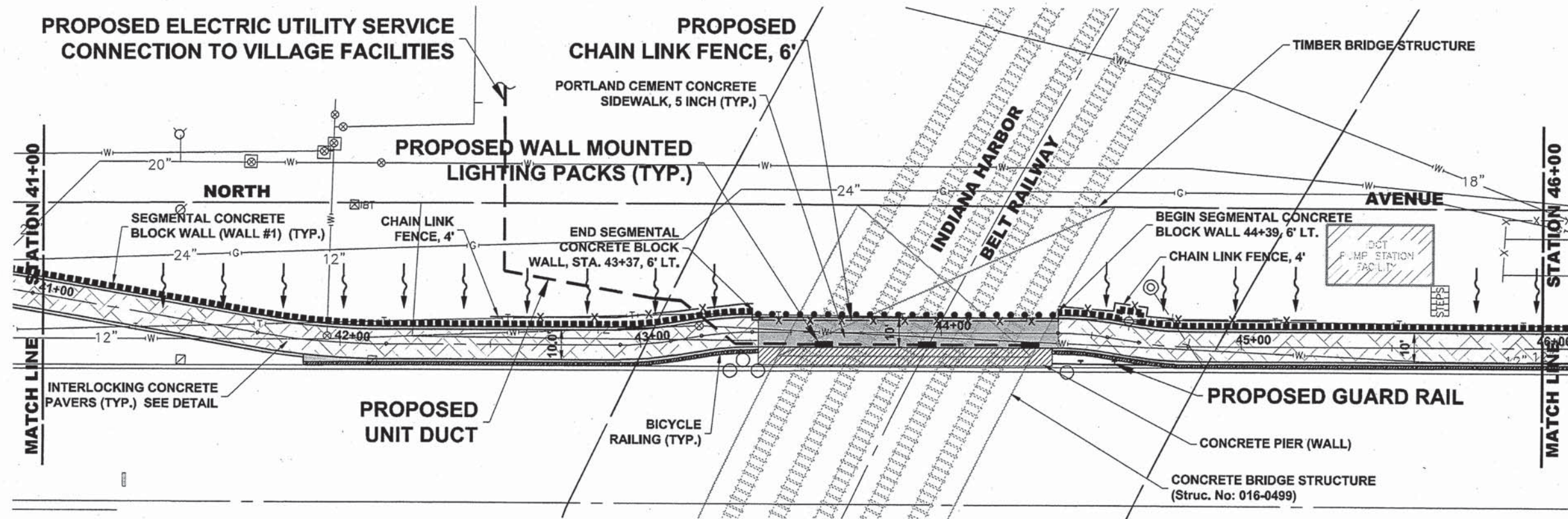
DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH AVENUE
PLAN AND PROFILE
 SCALE: 1"=20'H. & 1"=5'V. SHEET NO. 5 OF 28 SHEETS STA. 36+00 TO STA. 41+00

MS RTE. FAP 307	SECTION 08-00110-00-BT	COUNTY COOK	TOTAL SHEETS 155	SHEET NO. 25
FIELD BOOK NO.: GPS	CONTRACT NO. 61B78		ILLINOIS FED. AID PROJECT	

E.H.E. PROJECT NO. 600-14-24201



Nov 16, 2015 - 3:19pm
W:\Projects\by_Miles\Main\North Ave Commuter Bicycle Path\Sta\NORTH_AVE_2_IHBR.dwg

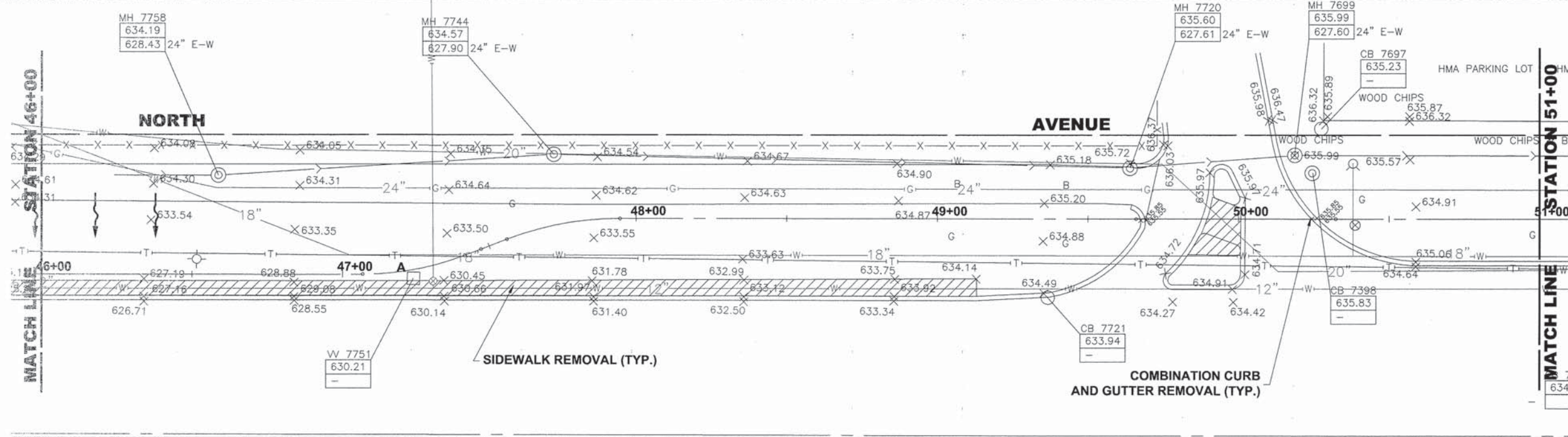
HANCOCK ENGINEERING
 100 Years of Excellence
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Roosevelt Road
 Westchester, IL 60154-2760
 Phone: 708-645-0300
 www.hancock.com

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED - 11-9-15 IHBR DMM
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

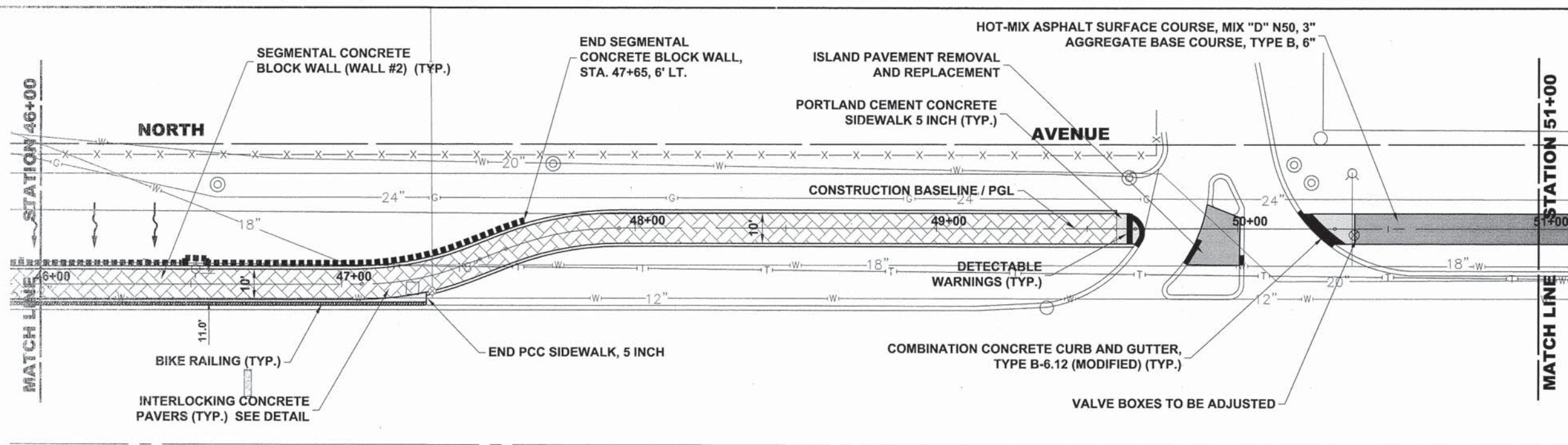
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NORTH AVENUE
PLAN AND PROFILE**
 SCALE: 1"=20'H. & 1"=5'V. SHEET NO. 6 OF 28 SHEETS STA. 41+00 TO STA. 46+00

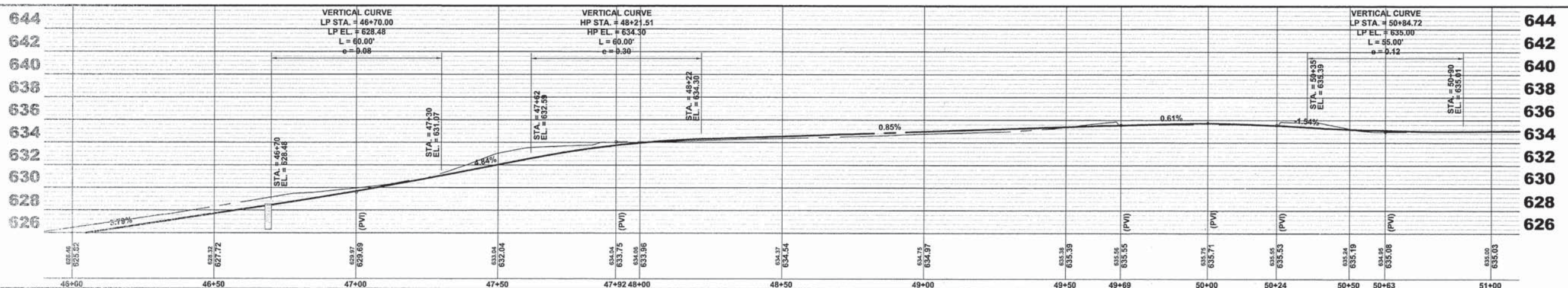
MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	26
FIELD BOOK NO.: GPS		CONTRACT NO. 61B78		
ILLINOIS FED. AID PROJECT				



EXISTING TOPOGRAPHY



PROPOSED IMPROVEMENT



Drawing File: W:\Projects\2015\08\05\North Ave Commuter Bicycle Path\Sta\NORTH_AVE_2_LAYOUT SHEETS ONLY.dwg Aug 05, 2015 - 9:32am

HANCOCK ENGINEERING
 110+ Years of Excellence
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Roosevelt Road
 Westchester, IL 60154-2760
 Phone: 708.465.0300
 www.hancock.com

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

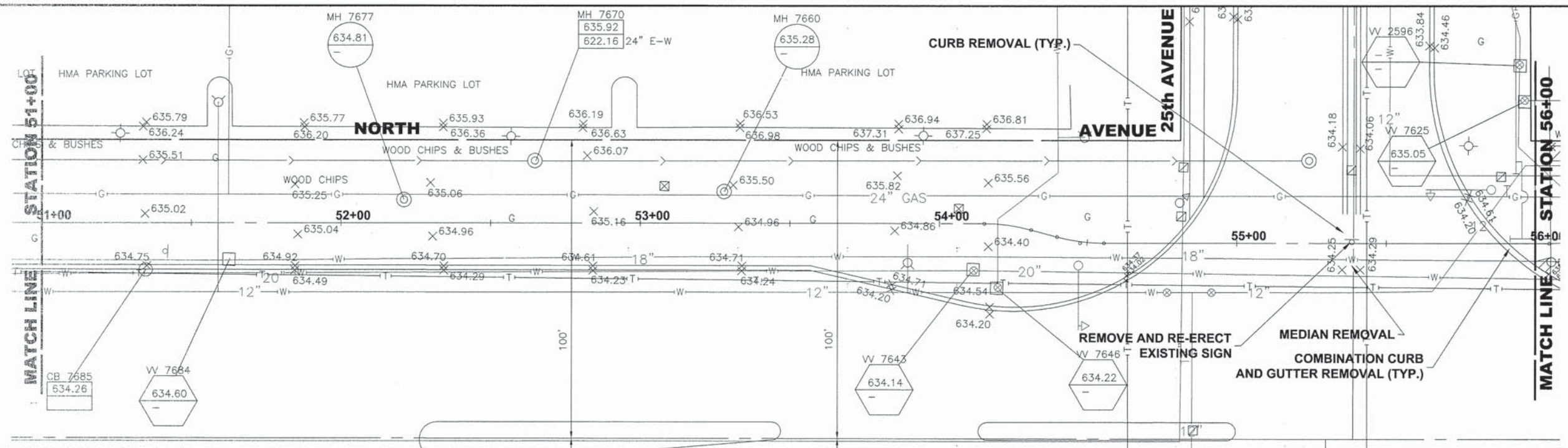
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NORTH AVENUE
 PLAN AND PROFILE**

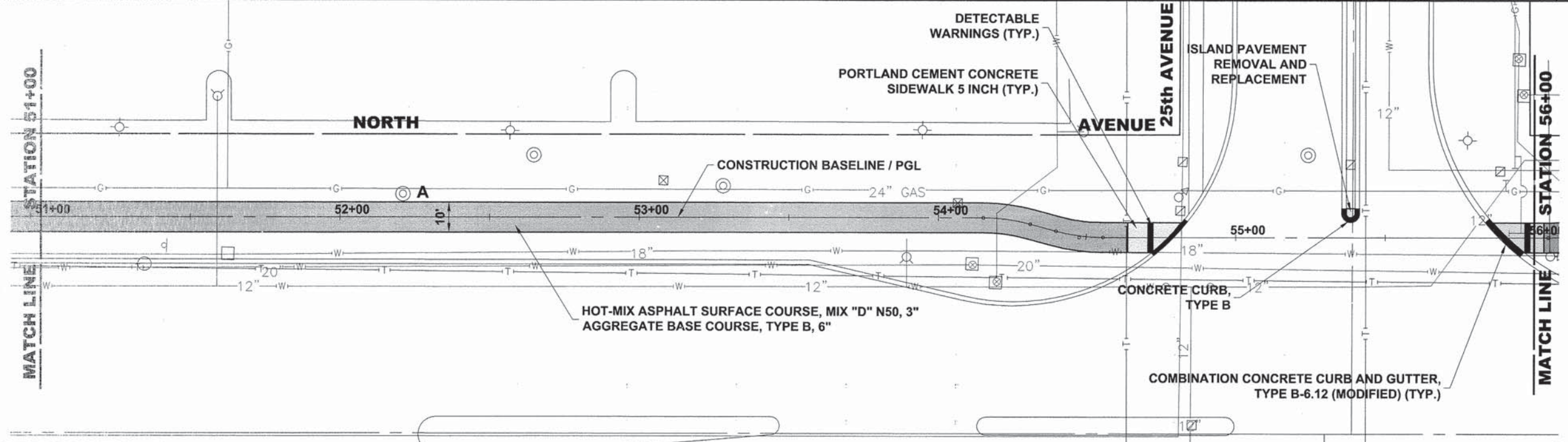
SCALE: 1"=20'H. & 1"=5'V. SHEET NO. 7 OF 28 SHEETS STA. 46+00 TO STA. 51+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	27
FIELD BOOK NO.: GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

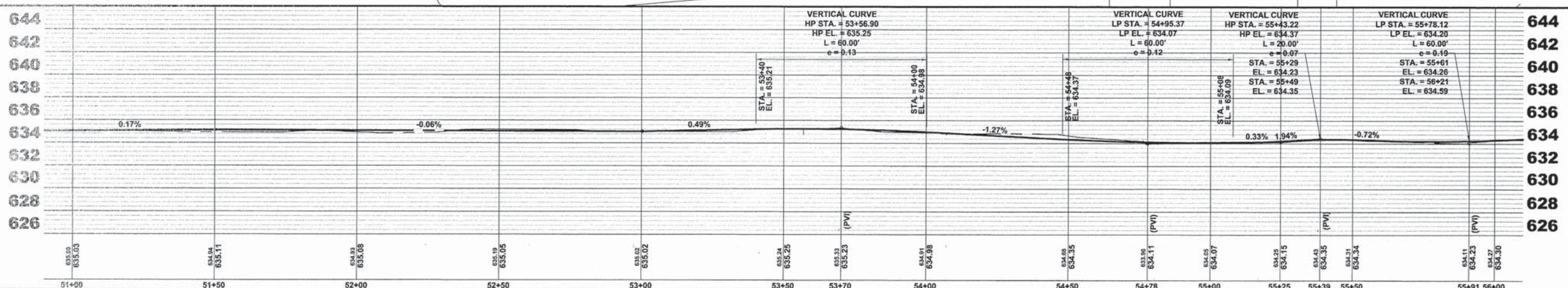
Drawing File: \\Projects\By_Village\Verese_Park\60014242 - North Ave. Commuter Bicycle Path\DWG\147001_SHEETS_ONLY.dwg Aug 03, 2015 - 4:50pm



EXISTING TOPOGRAPHY



PROPOSED IMPROVEMENT



HANCOCK ENGINEERING
 12th Year of Excellence
 9933 Roosevelt Road
 Winchester, IL 60154-2780
 Phone: 708-665-0300
 www.hancock.com

Civil Engineers
 Municipal Consultants
 Established 1911

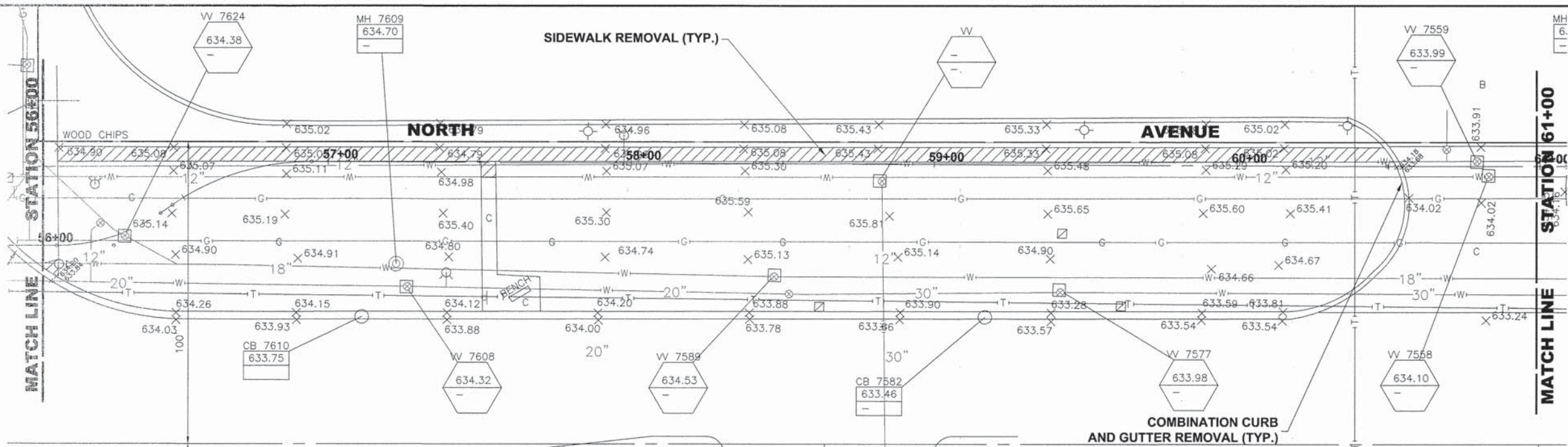
DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

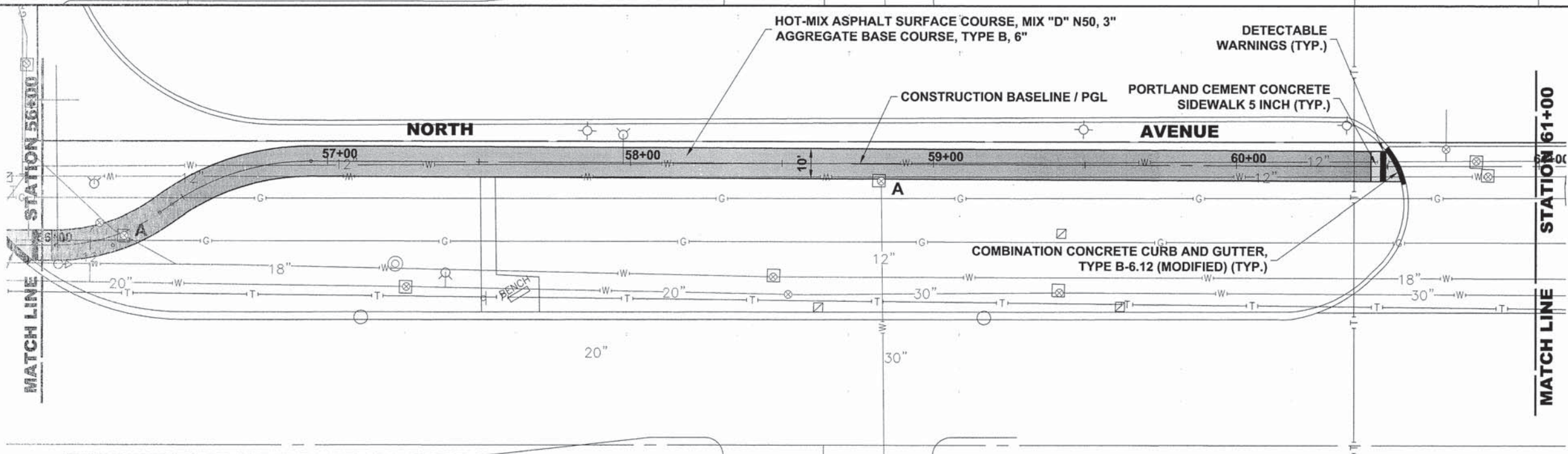
**NORTH AVENUE
 PLAN AND PROFILE**

SCALE: 1"=20'H. & 1"=5'V. SHEET NO. 8 OF 28 SHEETS STA. 51+00 TO STA. 56+00

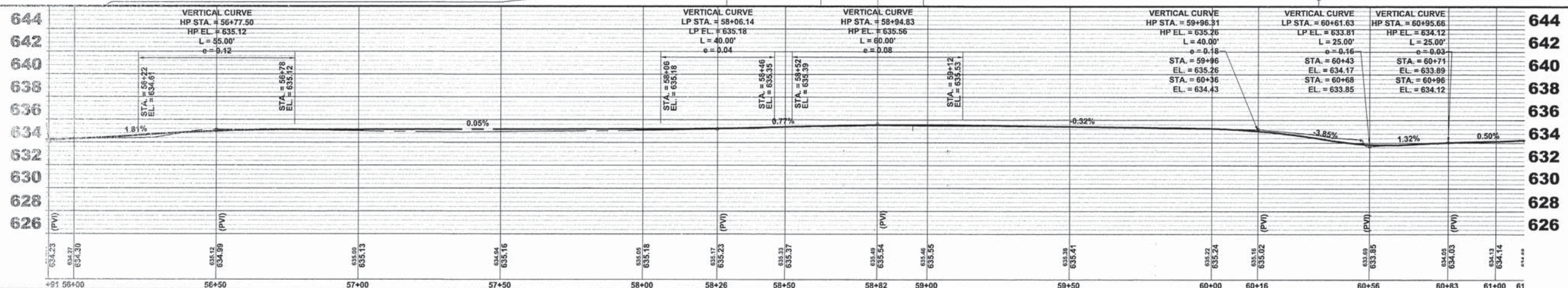
MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	28
FIELD BOOK NO.: GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		



EXISTING TOPOGRAPHY



PROPOSED IMPROVEMENT



HANCOCK ENGINEERING
 100 Years of Excellence
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Rossmore Road
 Westchester, IL 60154-2780
 Phone: 708-865-0300
 www.hancock.com

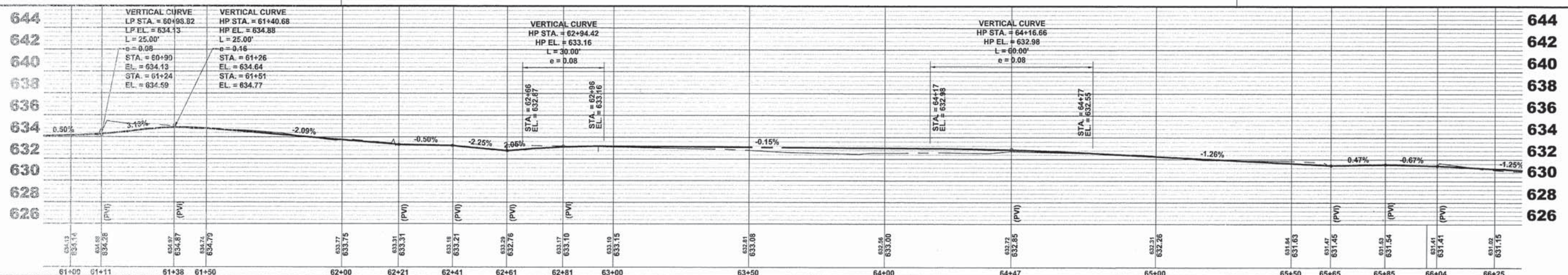
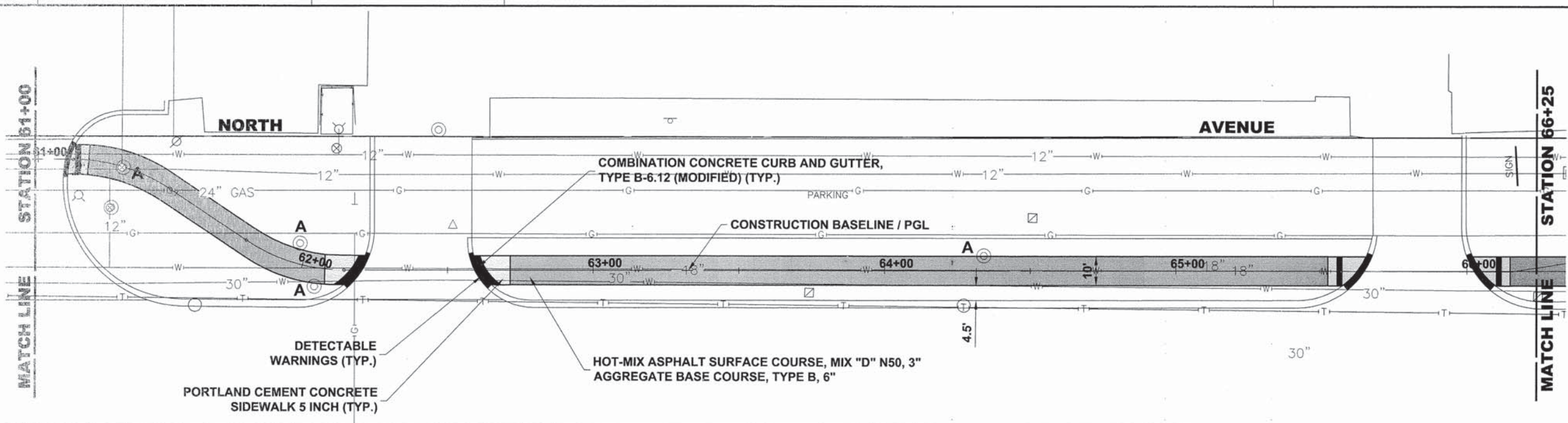
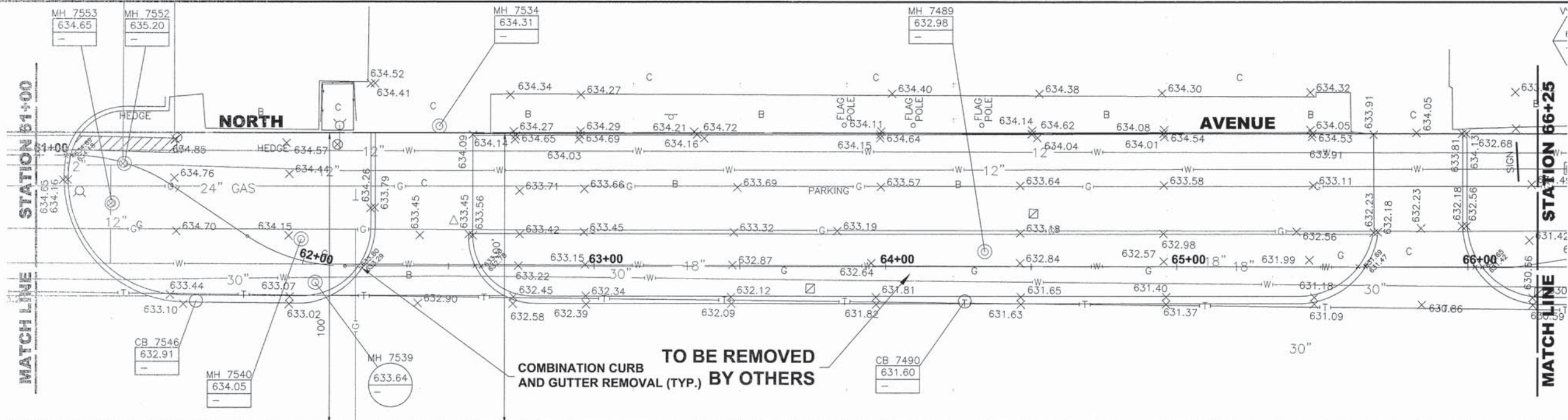
DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

NORTH AVENUE PLAN AND PROFILE
 SCALE: 1"=20'H. & 1"=5'V. SHEET NO. 9 OF 28 SHEETS STA. 56+00 TO STA. 61+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	29
FIELD BOOK NO. : GPS	CONTRACT NO. 61B78		ILLINOIS FED. AID PROJECT	

Drawing For: W:\Projects\27-Village\Metra Park\60014242 - North Ave Commuter Bicycle Path\STA\VERTICAL\2_LAYOUT SHEETS ONLY.dwg Aug 03, 2015 - 4:05pm



Drawing file: \\projects\h\projects\marissa park\001942 - N\01 - ave commender boyce park\sta\NORTH_AVE_2_LAYOUT\01 SHEETS ONLY.dwg Aug 03, 2015 - 4:51 pm

HANCOCK ENGINEERING
 100 Years of Excellence
 Civil Engineers
 Municipal Consultants
 Established 1911

9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-865-0300
 www.hancock.com

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

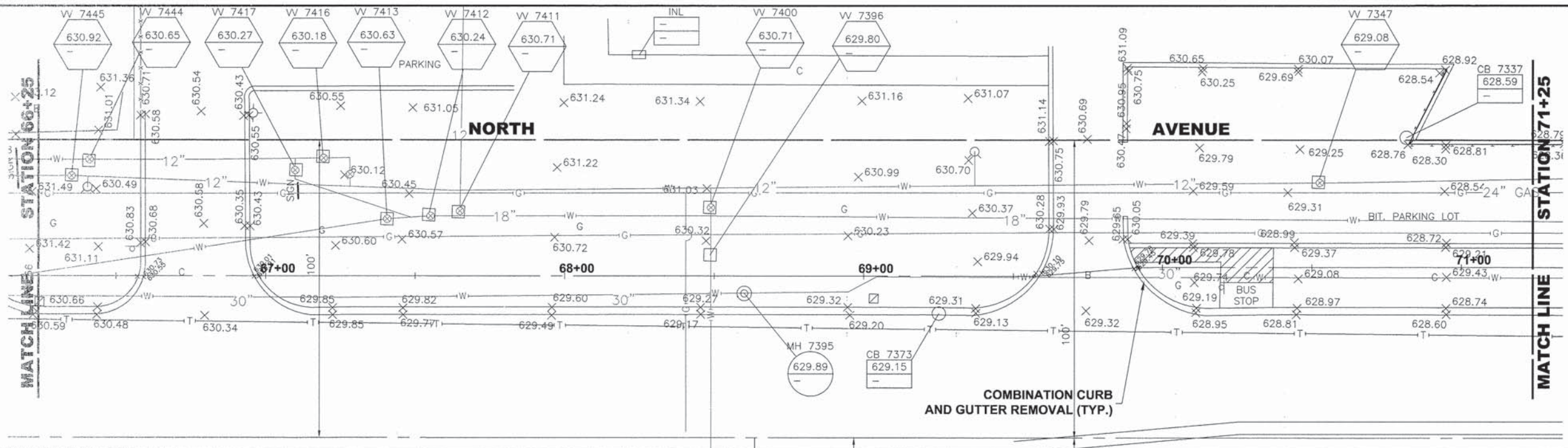
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NORTH AVENUE
 PLAN AND PROFILE**

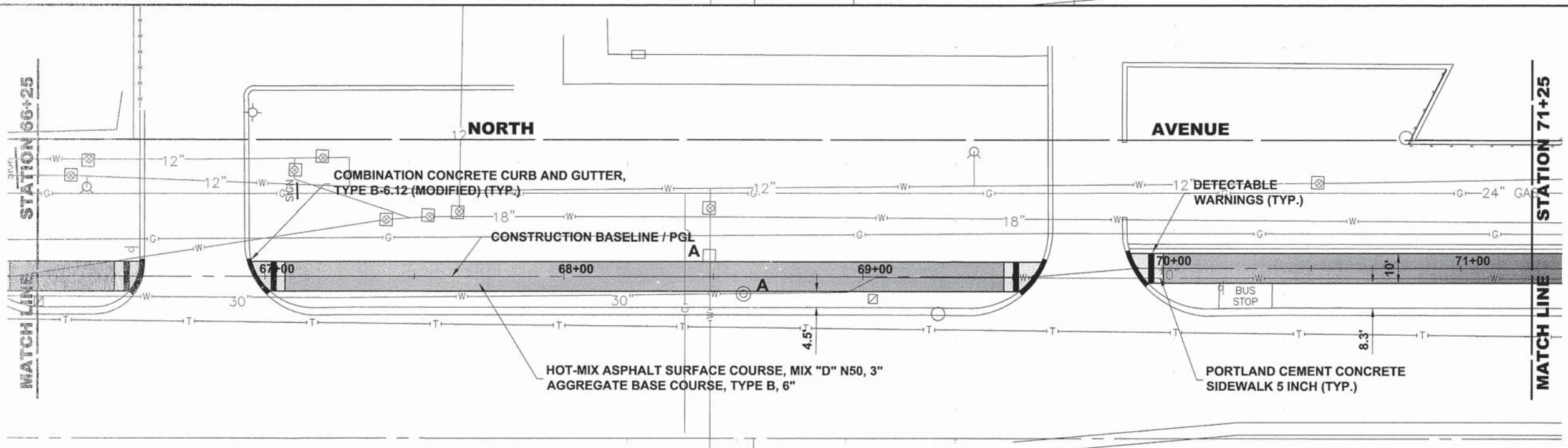
SCALE: 1"=20'H. & 1"=5'V. SHEET NO. 10 OF 28 SHEETS STA. 61+00 TO STA. 66+25

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	30
FIELD BOOK NO.: GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

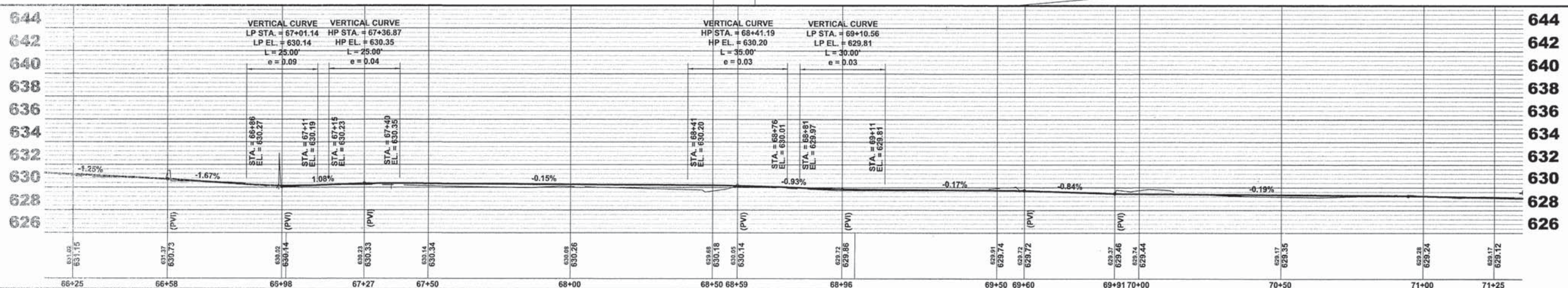
E.H.E. PROJECT NO. 600-14-24201



EXISTING TOPOGRAPHY



PROPOSED IMPROVEMENT



Drawing File: \\projects_by_village\release\pork\60014242 - North Ave Commuter Bicycle Path\Sta\0711\LA_2_LAYOUT_SHEETS_ONLY.dwg Aug 03, 2015 - 4:51pm

HANCOCK ENGINEERING
 100 Years of Excellence
 9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-845-0300
 www.hancock.com

◆ Civil Engineers
 ◆ Municipal Consultants
 ◆ Established 1911

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

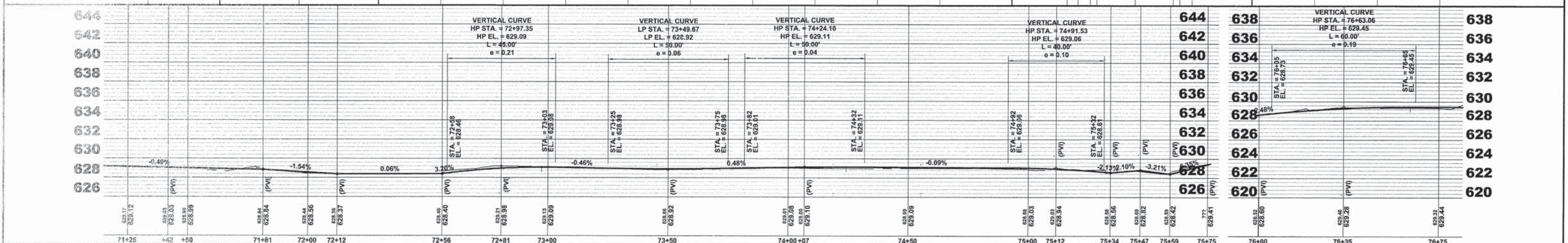
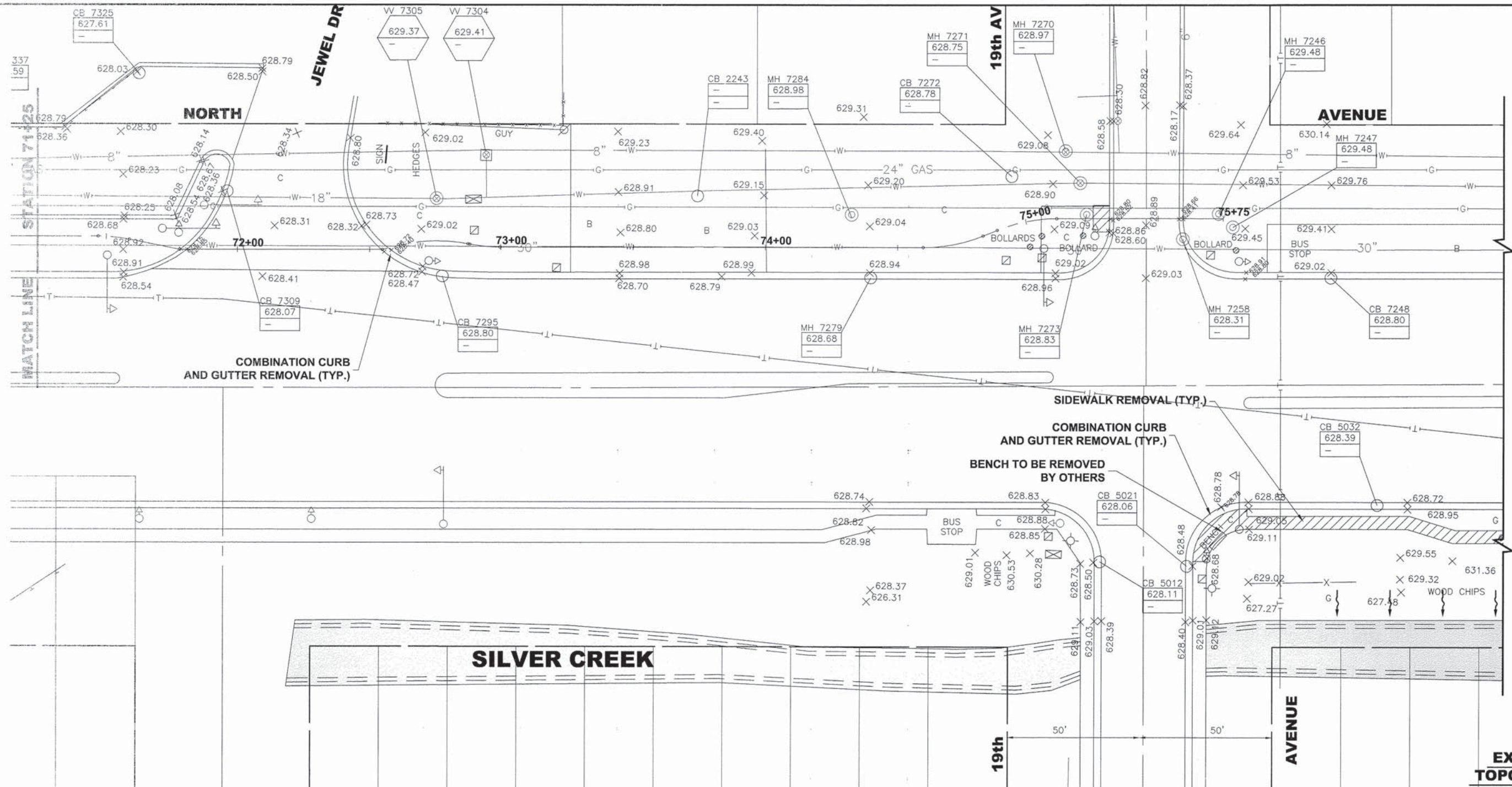
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NORTH AVENUE
PLAN AND PROFILE**

SCALE: 1"=20'H. & 1"=5'V. SHEET NO. 11 OF 28 SHEETS STA. 66+25 TO STA. 71+25

MS RTE. FAP 307	SECTION 08-00110-00-BT	COUNTY COOK	TOTAL SHEETS 155	SHEET NO. 31
FIELD BOOK NO.: GPS	CONTRACT NO. 61B78		ILLINOIS FED. AID PROJECT	

E.H.E. PROJECT NO. 600-14-24201



HANCOCK ENGINEERING
 100+ Years of Excellence
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Roosevelt Road
 Westchester, IL 60154-0780
 Phone: 708-645-0300
 www.hancock.com

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

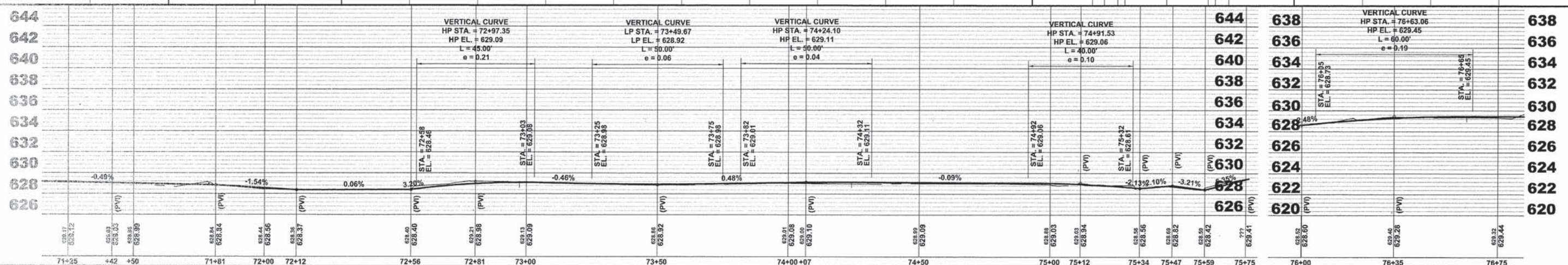
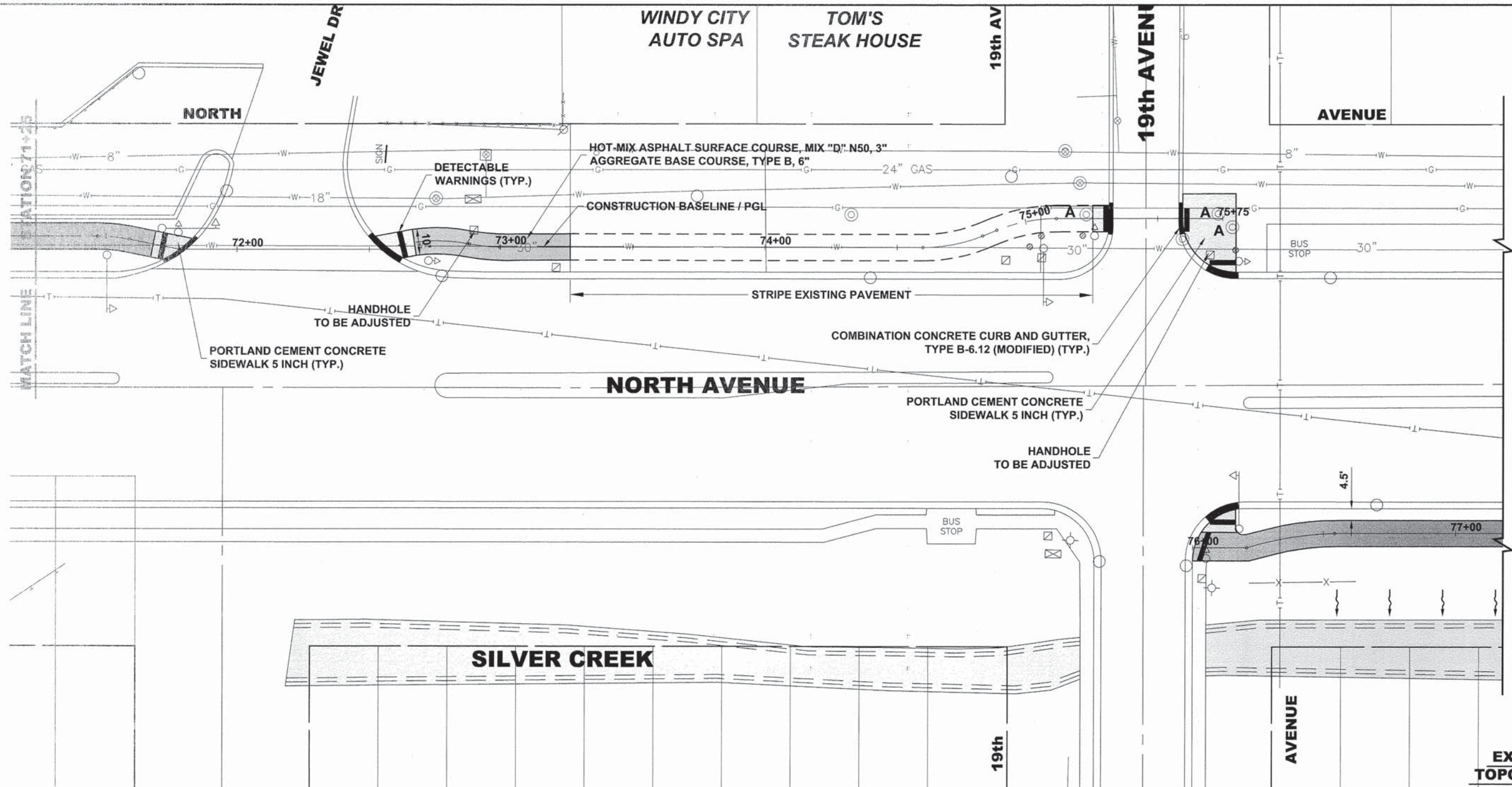
**NORTH AVENUE
 PLAN AND PROFILE**

SCALE: 1"=20'H. & 1"=5'V. SHEET NO. 12 OF 28 SHEETS STA. 71+25 TO STA. 76+00

MS RTE. FAP 307	SECTION 08-00110-00-BT	COUNTY COOK	TOTAL SHEETS 155	SHEET NO. 32
FIELD BOOK NO.: GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

Drawing No. 10/10/15/001/001/001 - North Ave Commuter Bicycle Path - STA 71+25 TO STA 76+00 - 4:52pm
 Aug 03, 2015

Drawing File: W:\Projects\by_Village\Wetmore_Park\60012422 - North Ave. Commuter Bicycle Path\Site\NORTH_AVE_2_LAYOUT SHEETS ONLY.dwg Aug 03, 2015 - 4:13pm



HANCOCK ENGINEERING
 100+ Years of Excellence
 9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-645-0300
 www.hancock.com

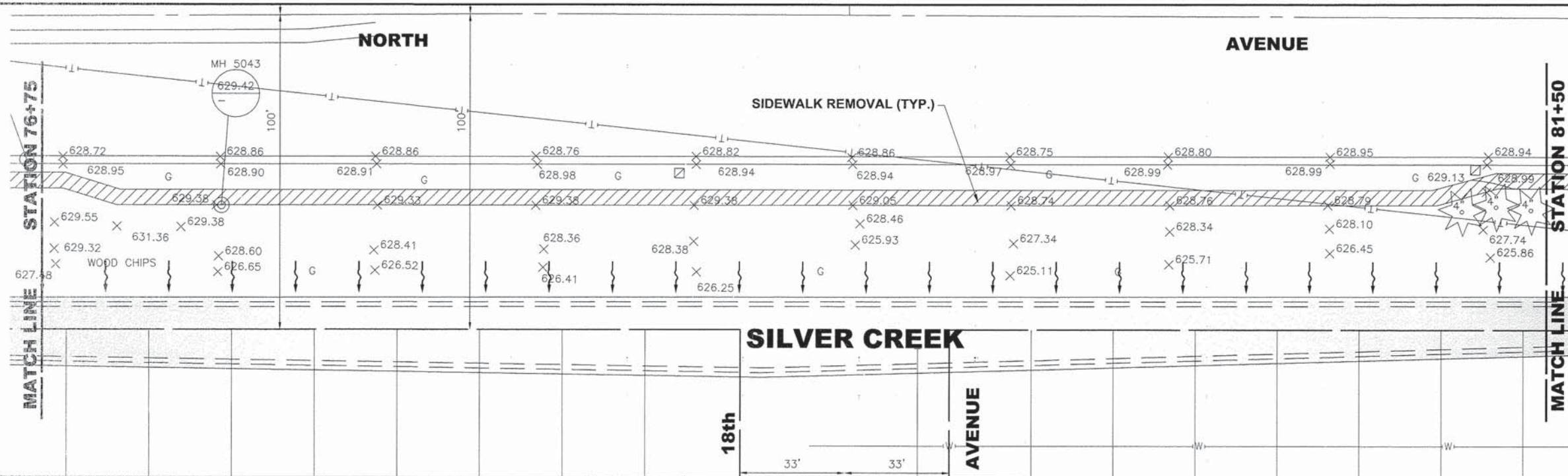
DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

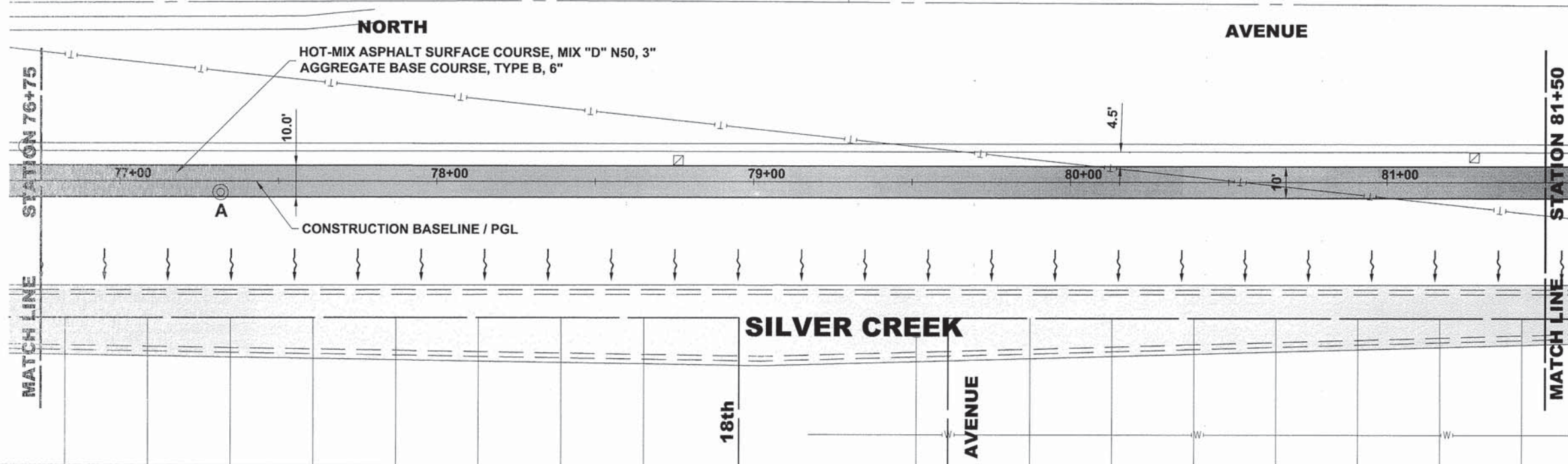
NORTH AVENUE
PLAN AND PROFILE

SCALE: 1"=20'H. & 1"=5'V. SHEET NO. 13 OF 28 SHEETS STA. 71+25 TO STA. 76+00

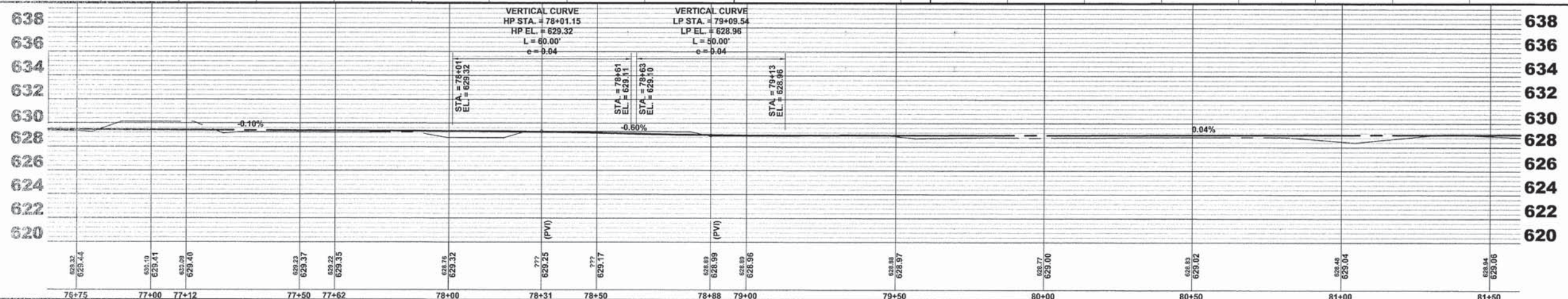
MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	33
FIELD BOOK NO.: GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		



EXISTING TOPOGRAPHY



PROPOSED IMPROVEMENT



Drawing File: R:\Projects\by_Studio\wisness_P\A\62010242 - North Ave Commuter Bicycle Path_Site\NORTH_AVE_2_LAYOUT SHEETS ONLY.dwg Aug 03, 2015 - 4:51pm

HANCOCK ENGINEERING
 100+ Years of Excellence
 ♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911

9933 Roosevelt Road
 Westchester, IL 60154-2782
 Phone: 708-665-0300
 www.hancock.com

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

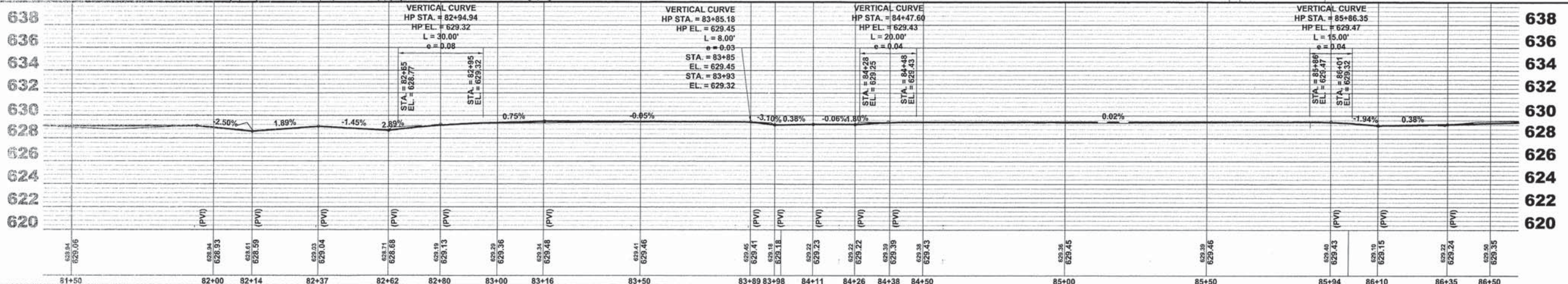
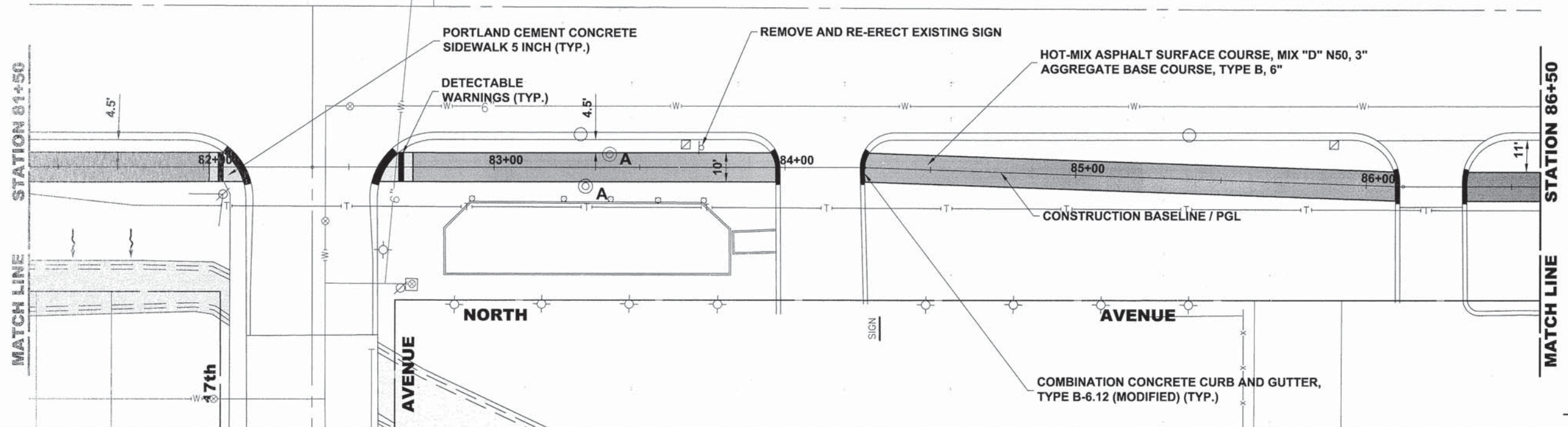
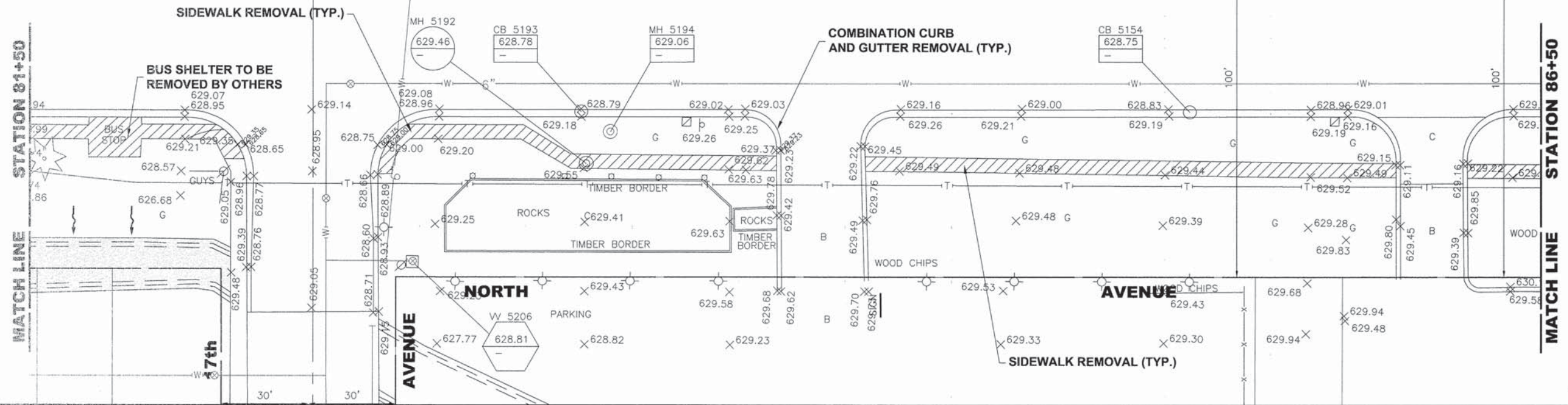
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NORTH AVENUE
 PLAN AND PROFILE**

SCALE: 1"=20'H. & 1"=5'V. SHEET NO. 14 OF 28 SHEETS STA. 76+75 TO STA. 81+50

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	34
FIELD BOOK NO.: GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

E.H.E. PROJECT NO. 600-14-24201



Drawing File: \\projects_by_village\mass\pork\60014242 - North Ave Commuter Bicycle Path\STA\NORTH_LANE_2_LAYOUT_SHEETS.DWG
 Aug 03, 2015 - 4:54pm
 150 Years of Excellence

HANCOCK ENGINEERING
 9933 Rockwell Road
 Wheeling, IL 60154-2780
 Phone: 708-845-0300
 www.hancock.com
 Civil Engineers
 Municipal Consultants
 Established 1911

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

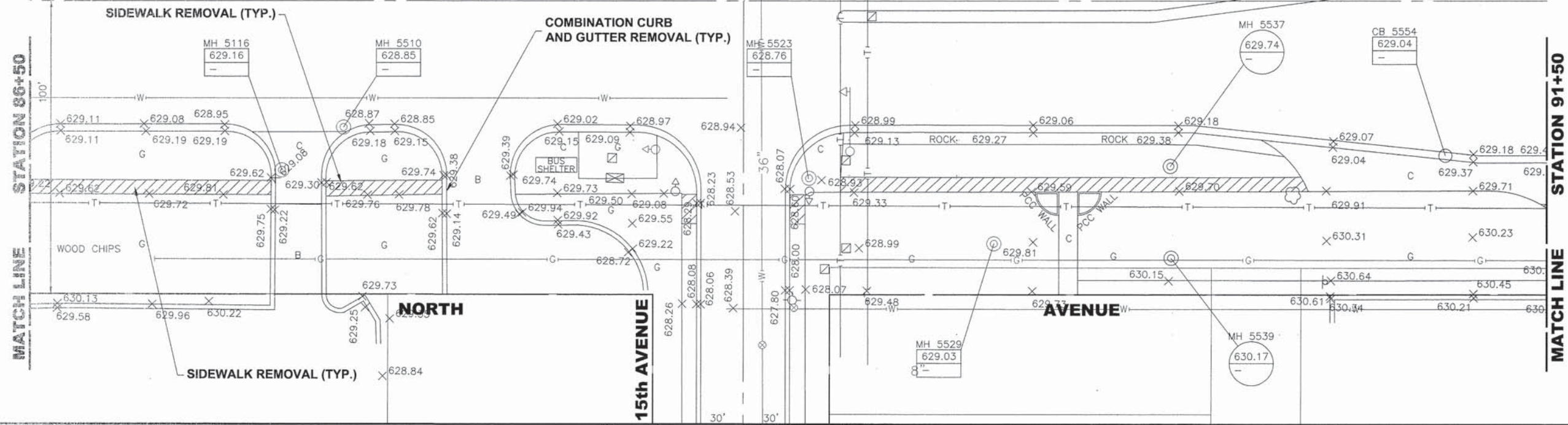
NORTH AVENUE
PLAN AND PROFILE

SCALE: 1"=20'H. & 1"=5'V. SHEET NO. 15 OF 28 SHEETS STA. 81+50 TO STA. 86+50

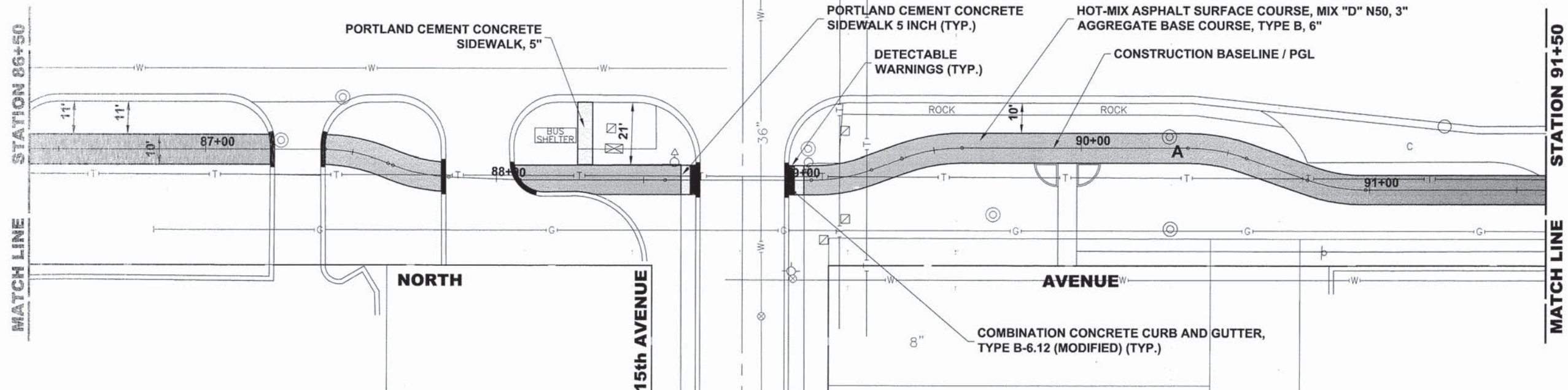
MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	35
FIELD BOOK NO. : GPS	CONTRACT NO. 61B78			
ILLINOIS		FED. AID PROJECT		

E.H.E. PROJECT NO. 600-14-24201

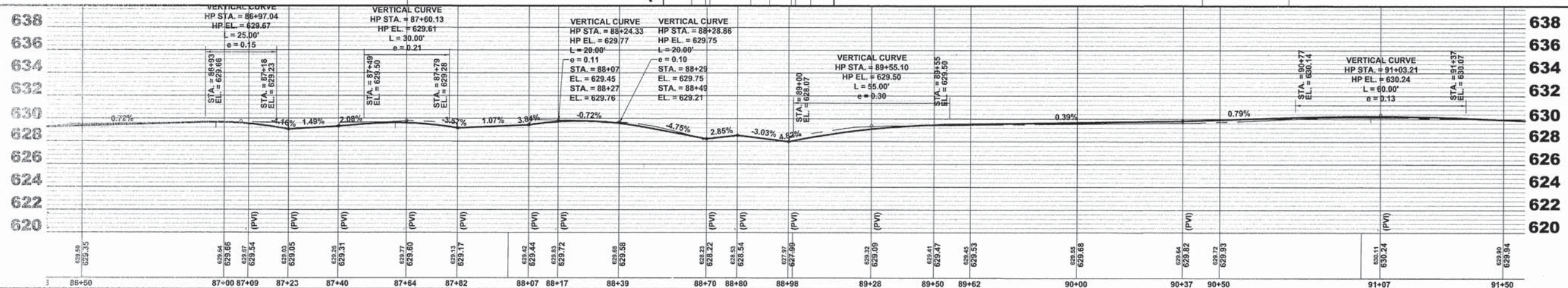
Drawing File: W:\Projects\By_Village\Main\Drawings\00014242 - North Ave Commuter Bicycle Path\Site\NO11\1\1\1\2_LAYOUT SHEETS ONLY.dwg
 Aug 03, 2015 - 4:54pm



EXISTING TOPOGRAPHY



PROPOSED IMPROVEMENT



HANCOCK ENGINEERING
 100 Years of Excellence
 9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-845-0300
 www.hancock.com

DESIGNED - WOP
 DRAWN - DMM, MK
 CHECKED - JGG
 DATE - 3-6-15

REVISED - 8-4-15 I.D.O.T. DMM
 REVISED -
 REVISED -
 REVISED -

Civil Engineers
 Municipal Consultants
 Established 1911

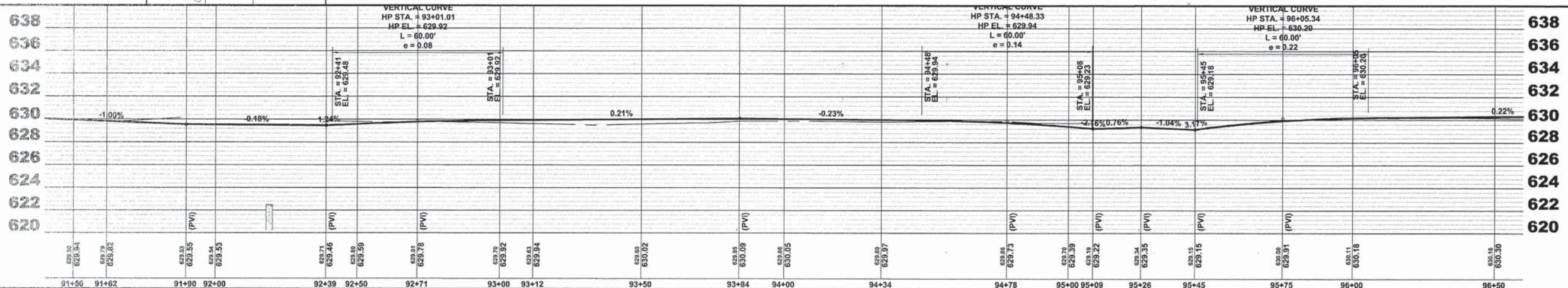
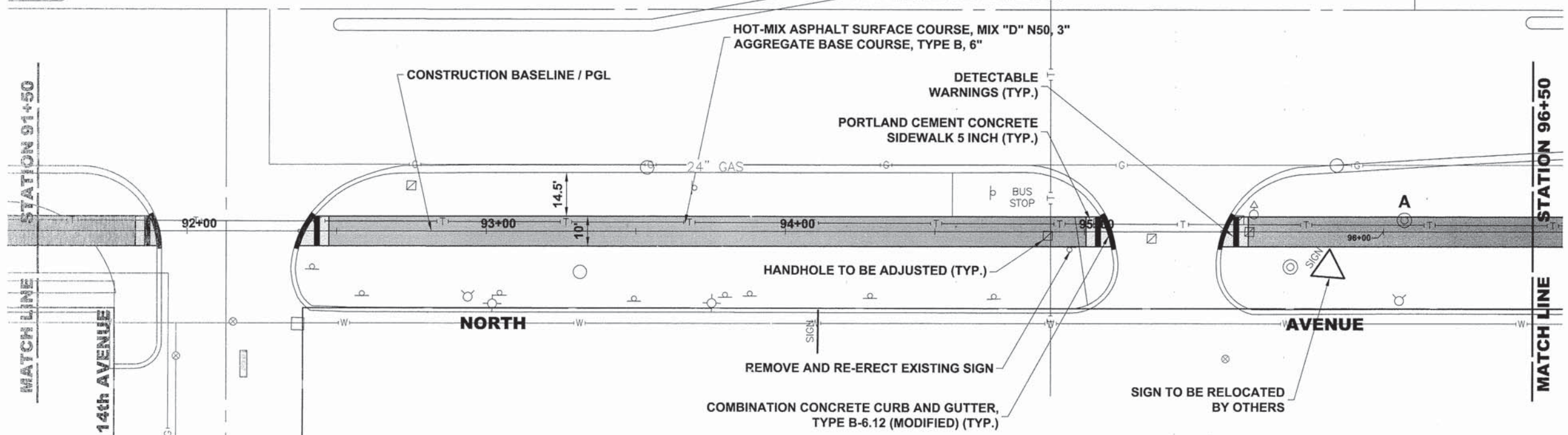
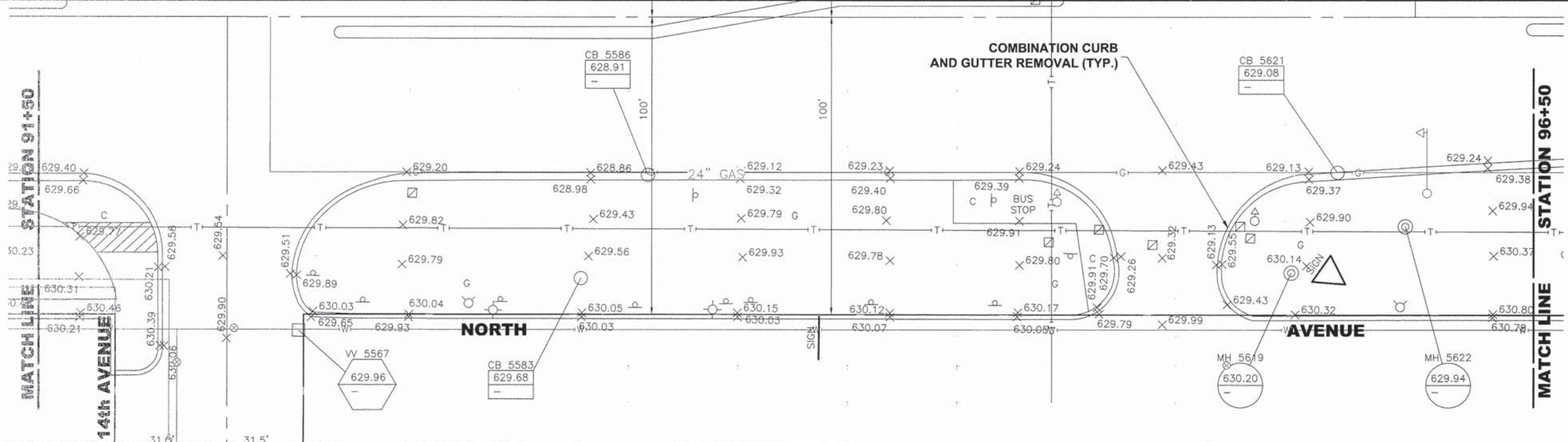
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NORTH AVENUE
 PLAN AND PROFILE**

SCALE: 1"=20'H. & 1"=5'V. SHEET NO. 16 OF 28 SHEETS STA. 86+50 TO STA. 91+50

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	36
FIELD BOOK NO. : GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

E.H.E. PROJECT NO. 600-14-24201



HANCOCK ENGINEERING
 100+ Years of Excellence
 9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-846-0300
 www.hancock.com

Civil Engineers
 Municipal Consultants
 Established 1911

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

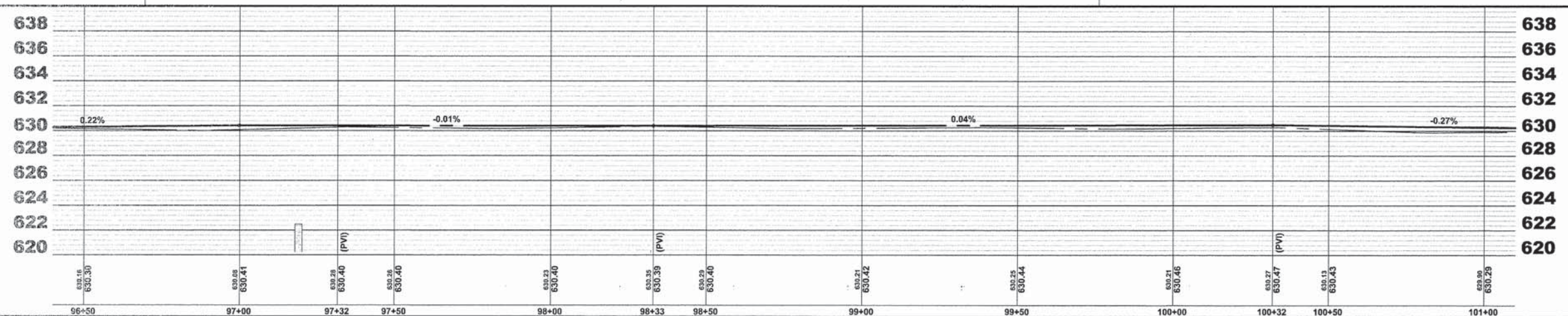
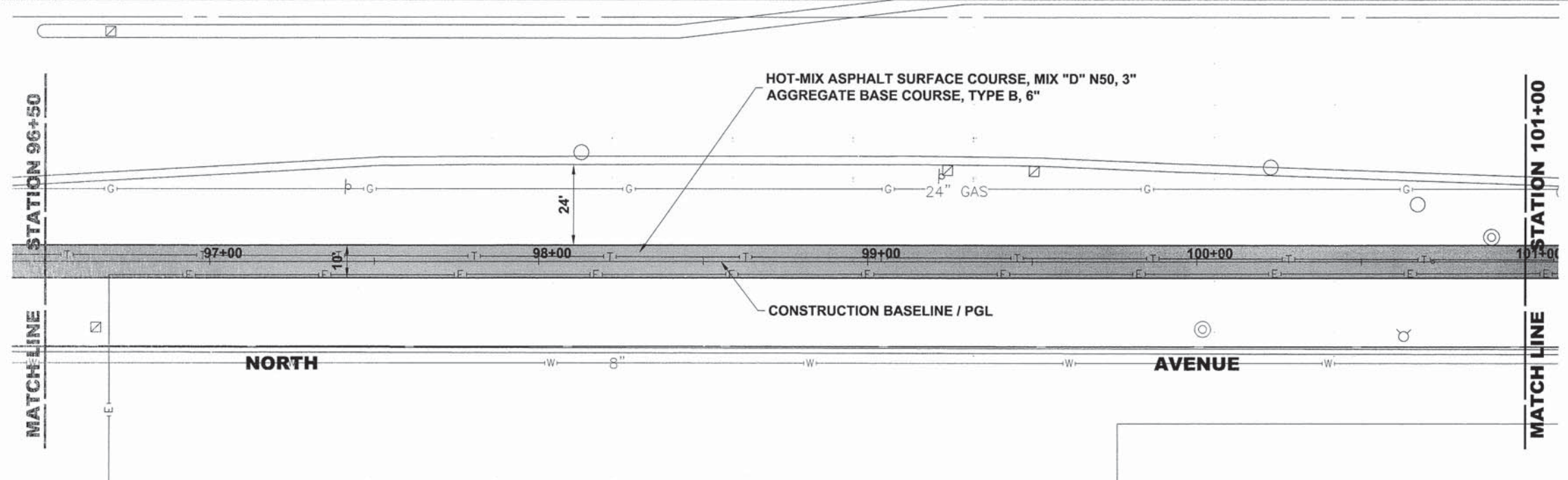
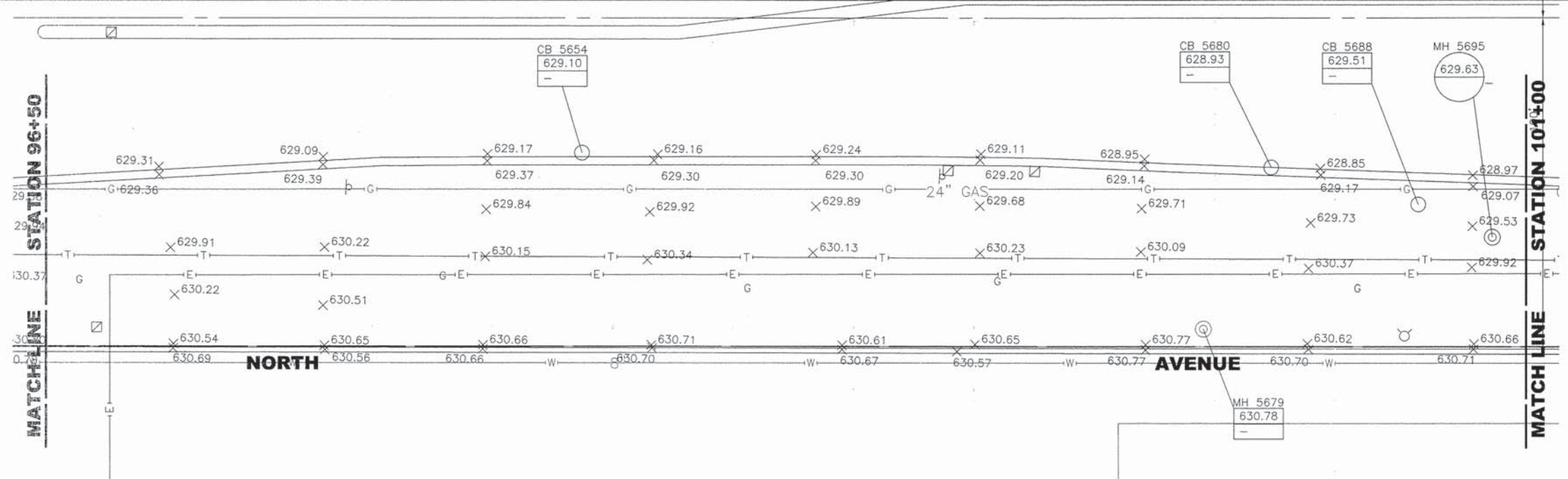
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NORTH AVENUE
 PLAN AND PROFILE**

SCALE: 1"=20'H. & 1"=5'V. SHEET NO. 17 OF 28 SHEETS STA. 91+50 TO STA. 96+50

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	37
FIELD BOOK NO.: GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

Drawing file: W:\Projects\by_Village\Aerose_Park\0014242 - North Ave Commuter Bicycle Path_Site\NORTH_AVE_2_LAYOUT SHEETS ONLY.dwg Aug 05, 2015 - 9:56am



HANCOCK ENGINEERING
 100+ Years of Excellence
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-645-0300
 www.hancock.com

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

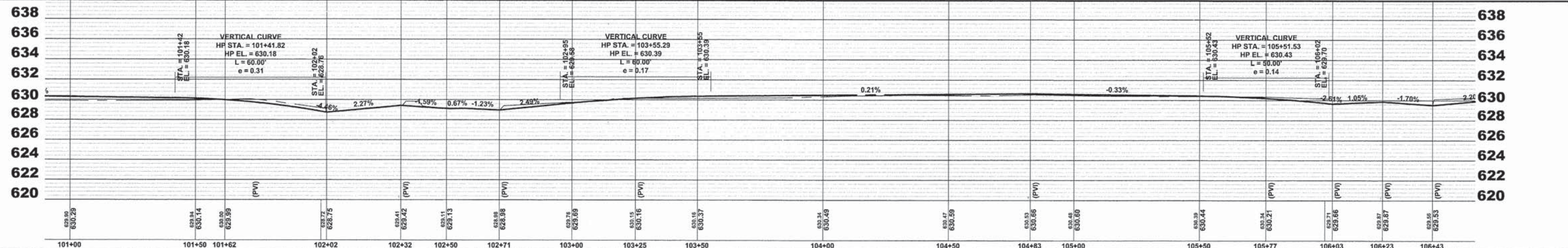
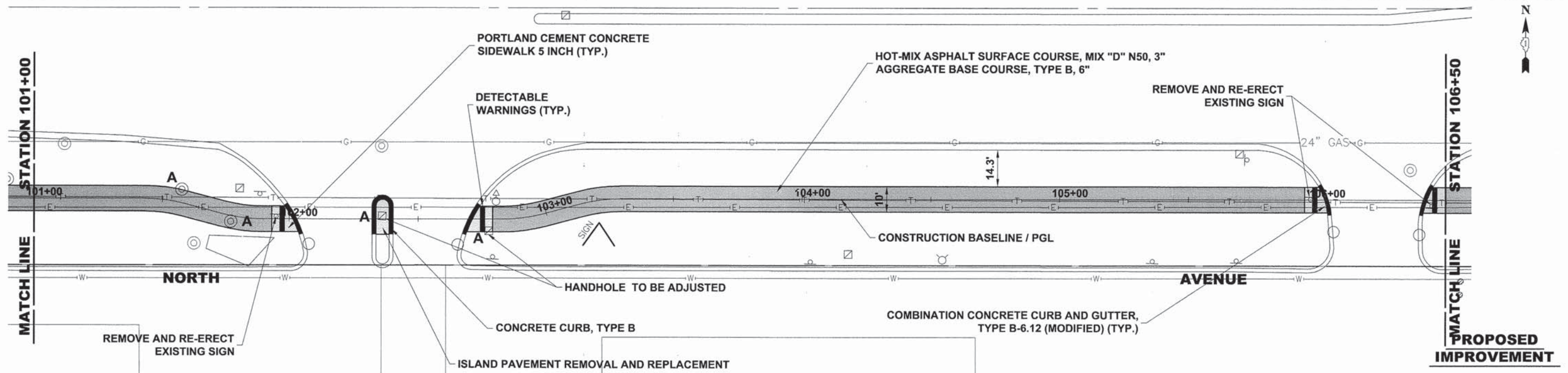
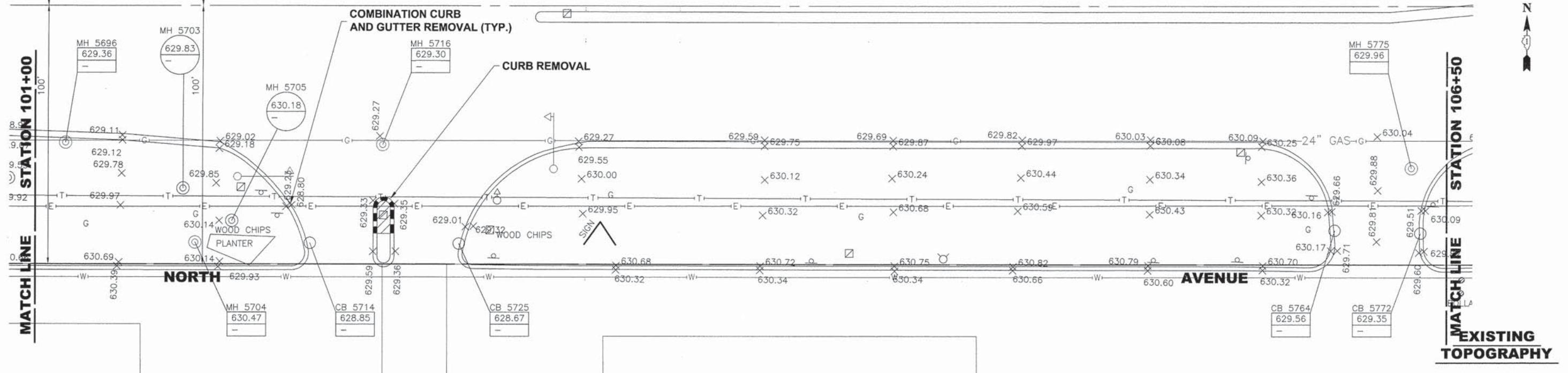
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NORTH AVENUE
 PLAN AND PROFILE**

SCALE: 1"=20'H. & 1"=5'V. SHEET NO. 18 OF 28 SHEETS STA. 96+50 TO STA. 101+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	38
FIELD BOOK NO. : GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

Drawing file: W:\Projects\by_Village\Winoosa Park\60014242 - North Ave Commuter Bicycle Path\Site\NORTH_AVE_2_LAYOUT SHEETS ONLY.dwg Aug 26, 2015 - 9:12am



HANCOCK ENGINEERING
 100+ Years of Excellence
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-865-0300
 www.hancock.com

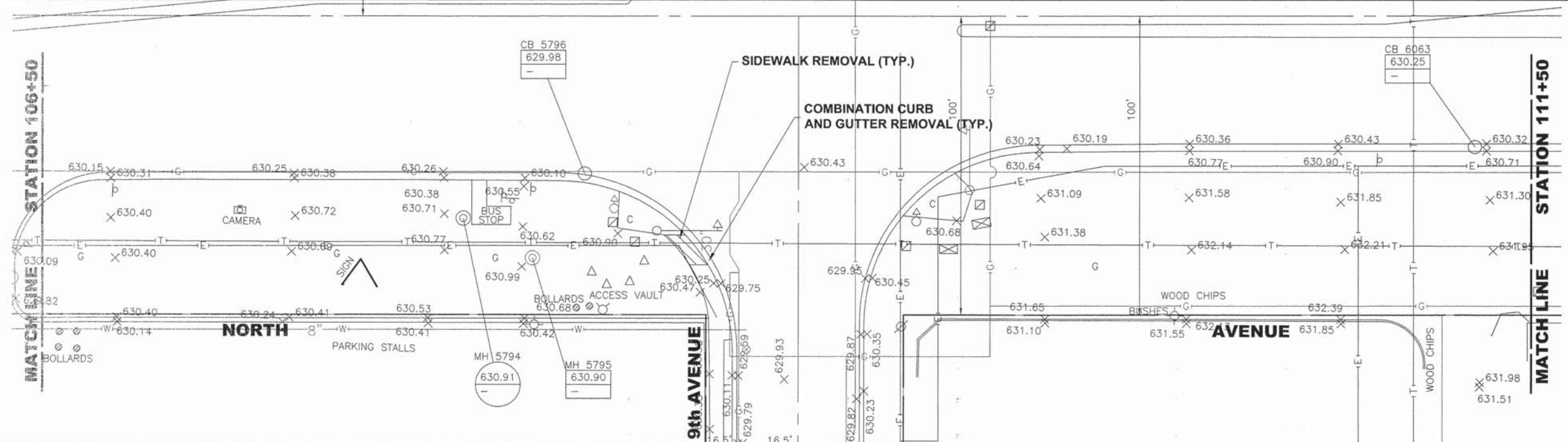
DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

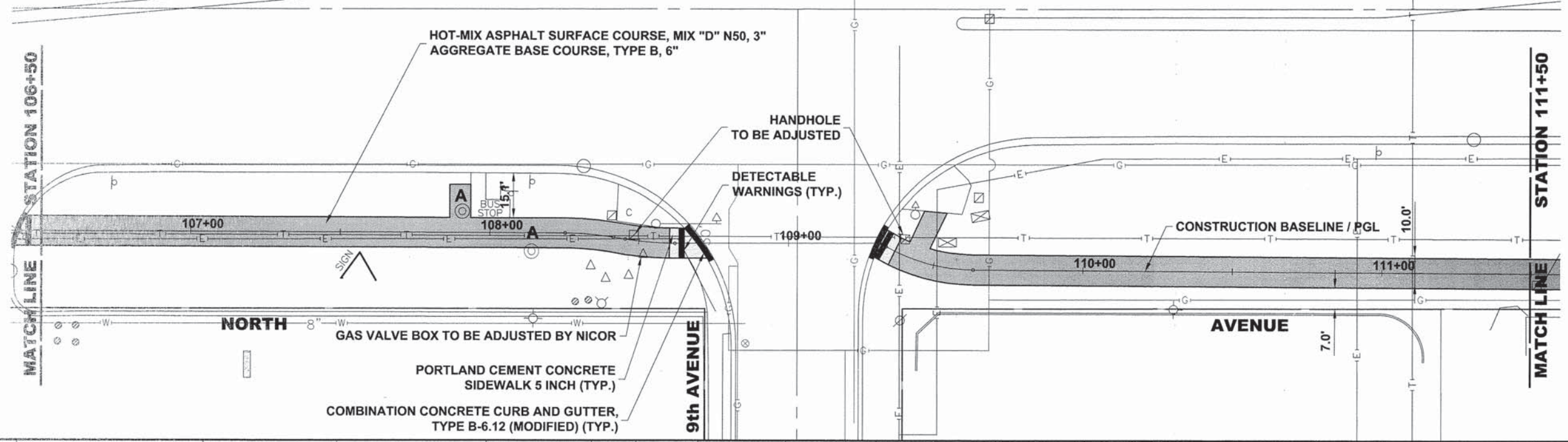
**NORTH AVENUE
 PLAN AND PROFILE**

SCALE: 1"=20'H. & 1"=5'V. SHEET NO. 19 OF 28 SHEETS STA. 101+00 TO STA. 106+50

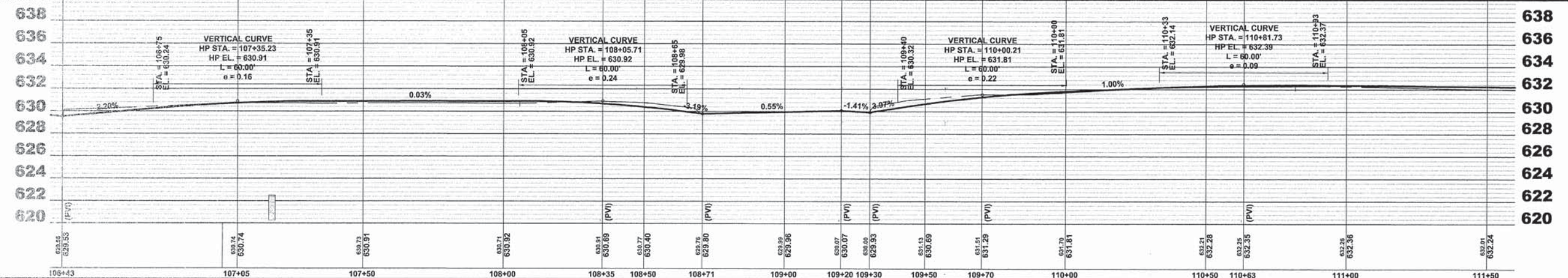
MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	39
FIELD BOOK NO.: GPS		CONTRACT NO.: 61B78		
ILLINOIS		FED. AID PROJECT		



EXISTING TOPOGRAPHY



PROPOSED IMPROVEMENT



Drawing file: W:\Projects\By_Village\Release_Park\60014242 - North Ave Commuter Bicycle Path\Site\NORTH_AVE_2_LAYOUT SHEETS ONLY.dwg Aug 05, 2015 10:42am

HANCOCK ENGINEERING
 100 Years of Excellence
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Roosevelt Road
 Westchester, IL 60154-9780
 Phone: 708-845-0300
 www.hancock.com

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

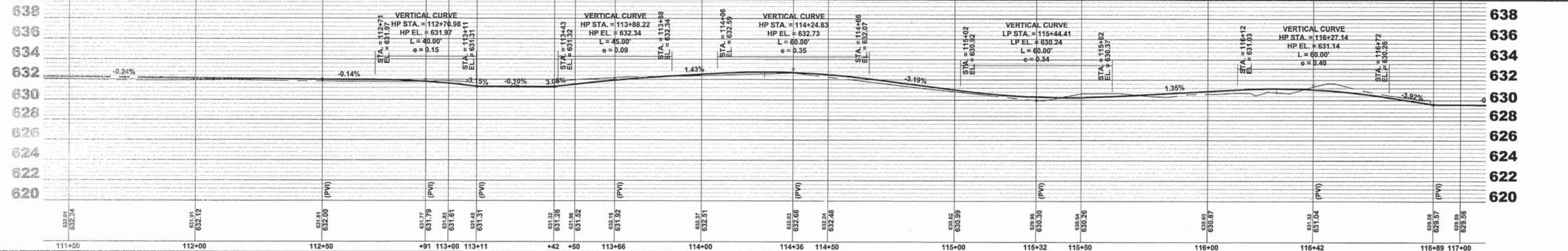
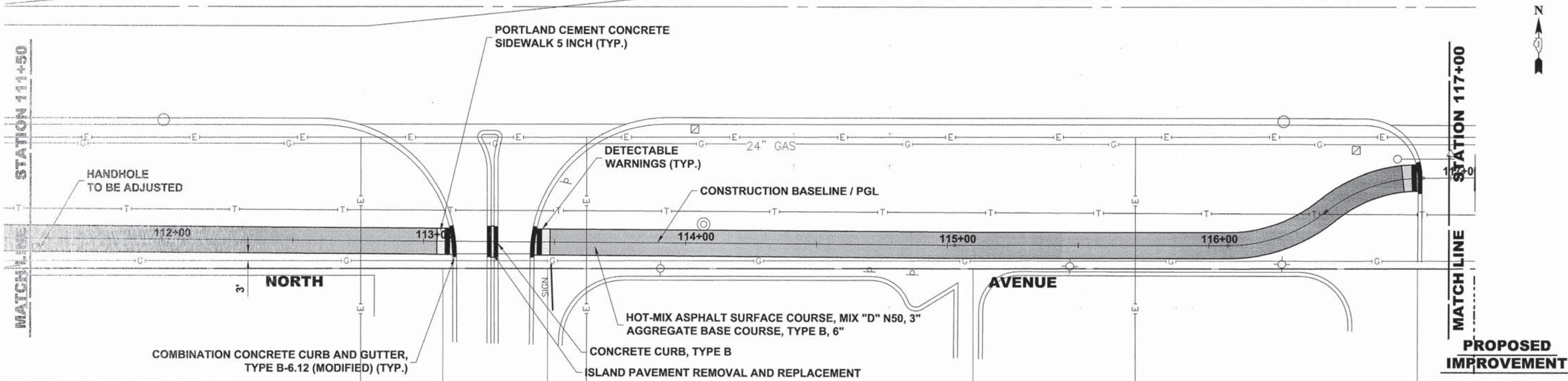
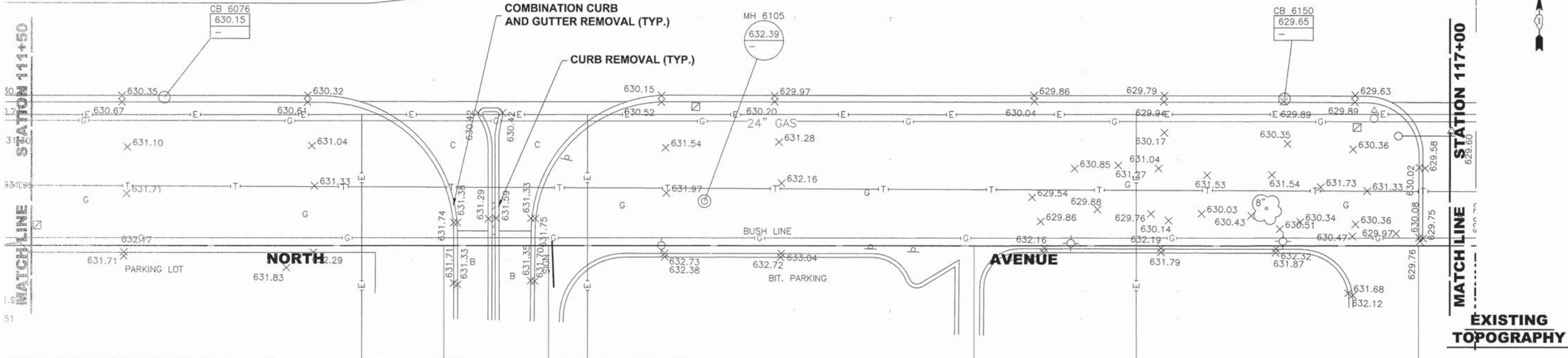
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NORTH AVENUE
 PLAN AND PROFILE**

SCALE: 1"=20'H. & 1"=5'V. SHEET NO. 20 OF 28 SHEETS STA. 106+50 TO STA. 111+50

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	40
FIELD BOOK NO.: GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

Drawing File: W:\Projects_by_Client\Wabesa Park\0014242 - North Ave Commuter Bicycle Path\Site\WORTH_AVE_2_LAYOUT SHEETS ONLY.dwg
 Aug 03, 2015 - 4:56pm



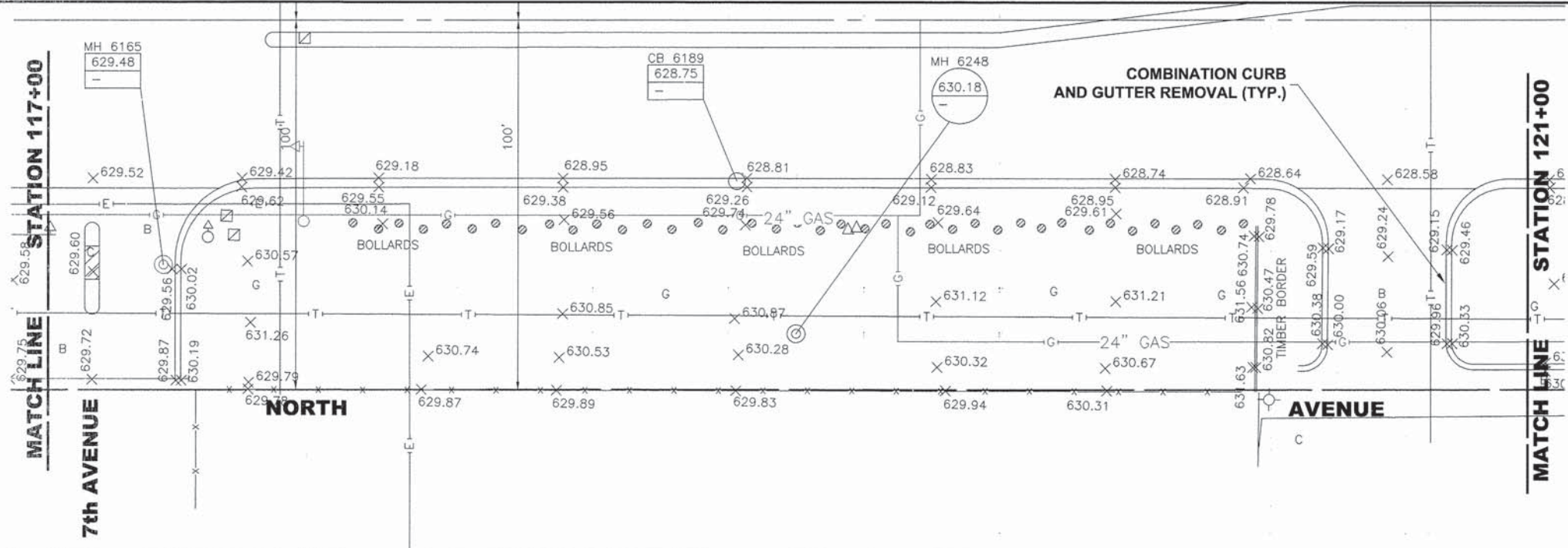
HANCOCK ENGINEERING
 100 Years of Excellence
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Roosevelt Road
 Winchester, IL 60154-2780
 Phone: 708-645-0200
 www.hancock.com

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

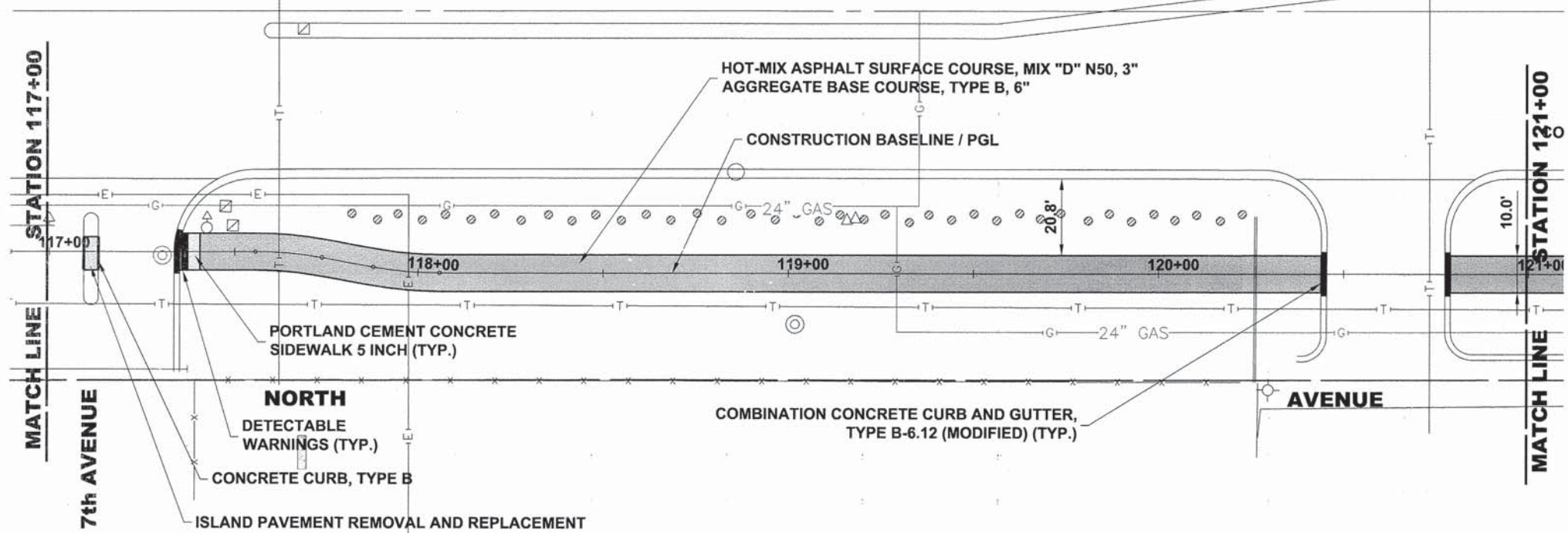
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH AVENUE
PLAN AND PROFILE
 SCALE: 1"=30'H. & 1"=2'V. SHEET NO. -- OF -- SHEETS STA. 29+00 TO STA. 37+00

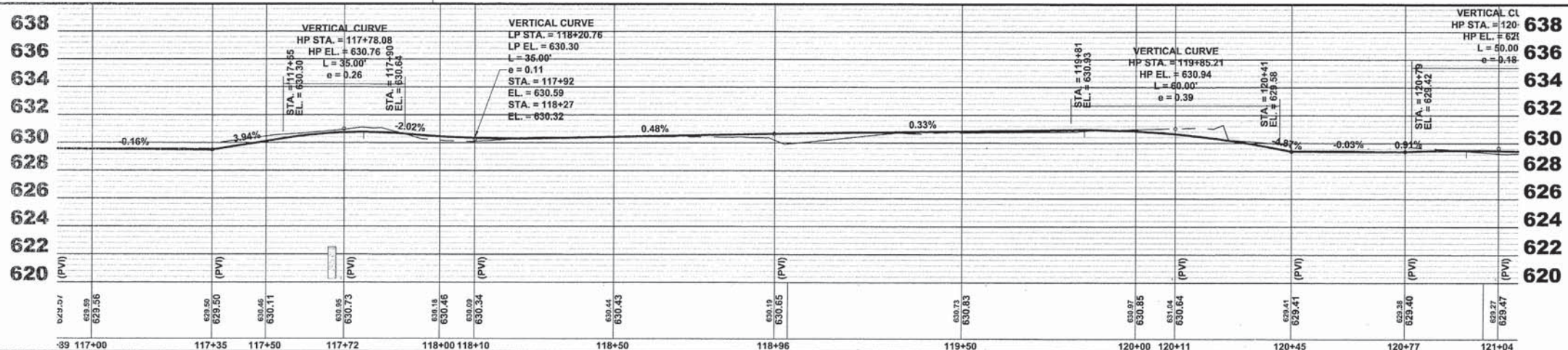
MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	41
FIELD BOOK NO. : GPS	CONTRACT NO. 61B78		ILLINOIS FED. AID PROJECT	



EXISTING TOPOGRAPHY



PROPOSED IMPROVEMENT



HANCOCK ENGINEERING
 100+ Years of Experience
 Civil Engineers
 Municipal Consultants
 Established 1911
 9923 Roosevelt Road
 Wheeling, IL 60154-2780
 Phone: 708-665-0200
 www.hancock.com

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

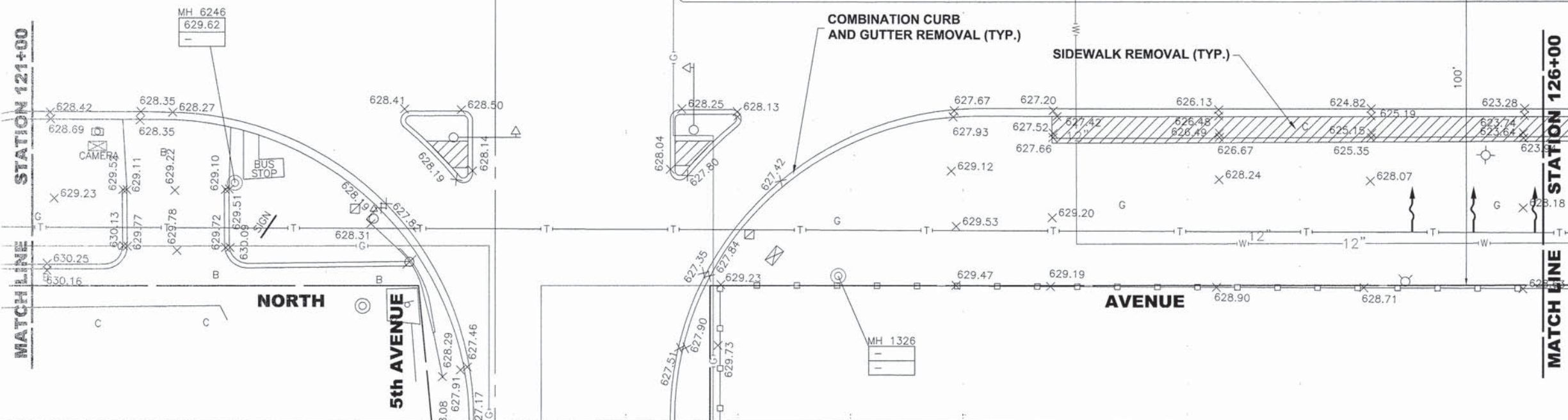
**NORTH AVENUE
 PLAN AND PROFILE**

SCALE: 1"=20'H. & 1"=5'V. SHEET NO. 22 OF 28 SHEETS STA. 117+00 TO STA. 121+00

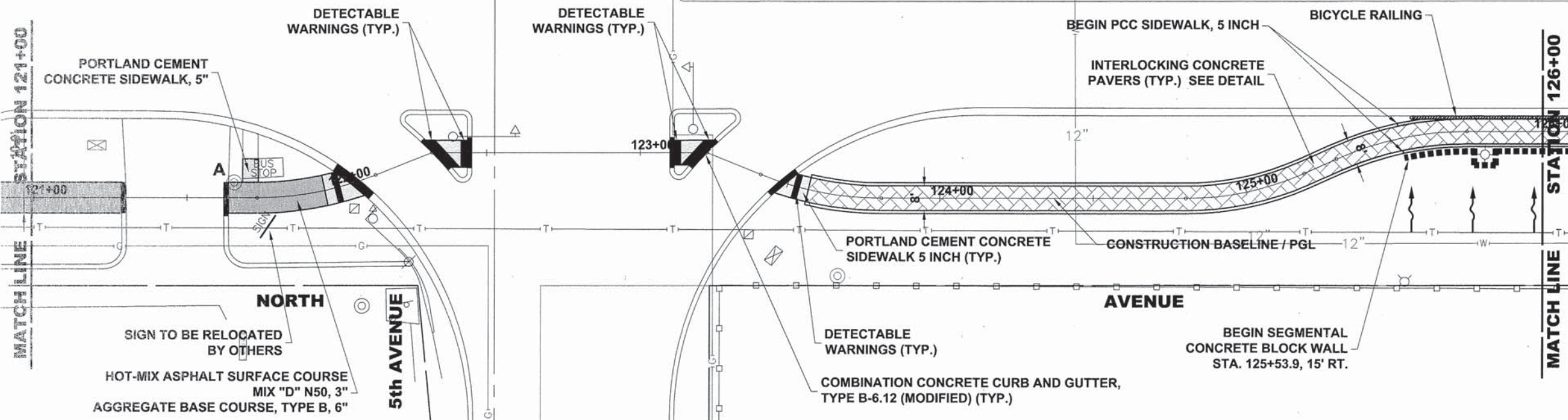
MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	42
FIELD BOOK NO. : GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

Drawing File: W:\Projects\2015\08\North Ave Commuter Bicycle Path\Drawings\NORTH_AVE_2_LAYOUT\DRY_SHEETS\DRY_SHEETS_02.dwg Aug 05, 2015 - 10:07am

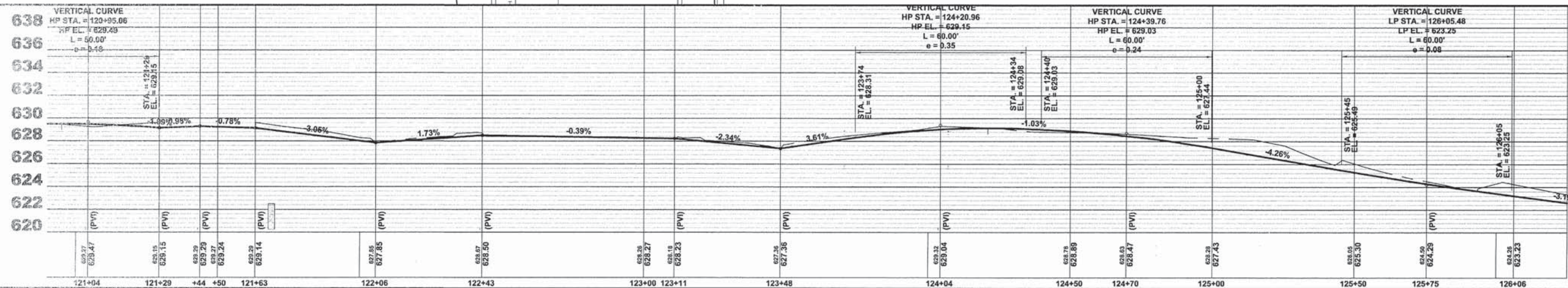
Drawing File: W:\Projects\by_Village\Inhouse Park\0014242 - North Ave Commuter Bicycle Pylon\Site\NORTH_AVE_2_LAYOUT\SHIFTS ONLY.dwg Date: 05/05/2015 10:10am



EXISTING TOPOGRAPHY



PROPOSED IMPROVEMENT



HANCOCK ENGINEERING
 180 Years of Excellence
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-665-0300
 www.hancock.com

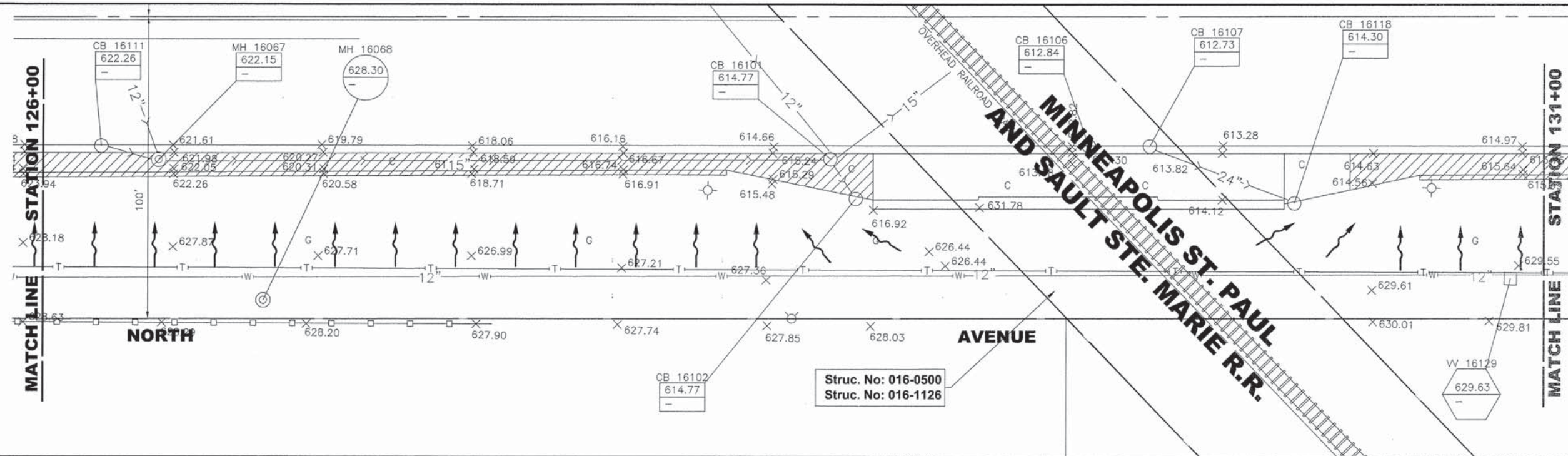
DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

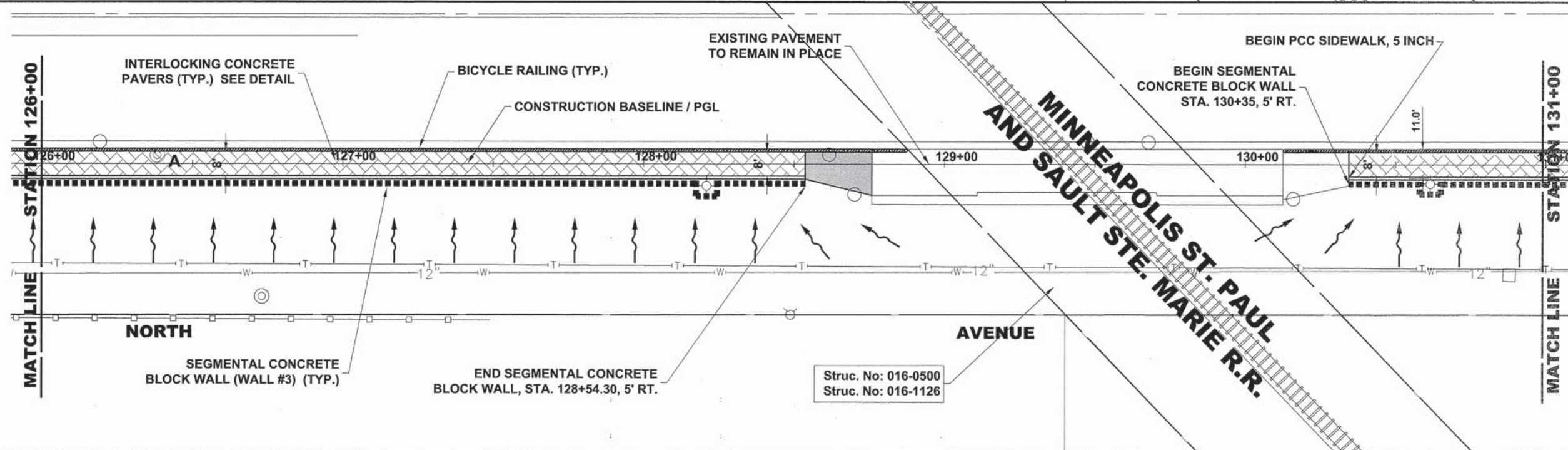
**NORTH AVENUE
 PLAN AND PROFILE**

SCALE: 1"=20'H. & 1"=5'V. SHEET NO. 23 OF 28 SHEETS STA. 121+00 TO STA. 126+00

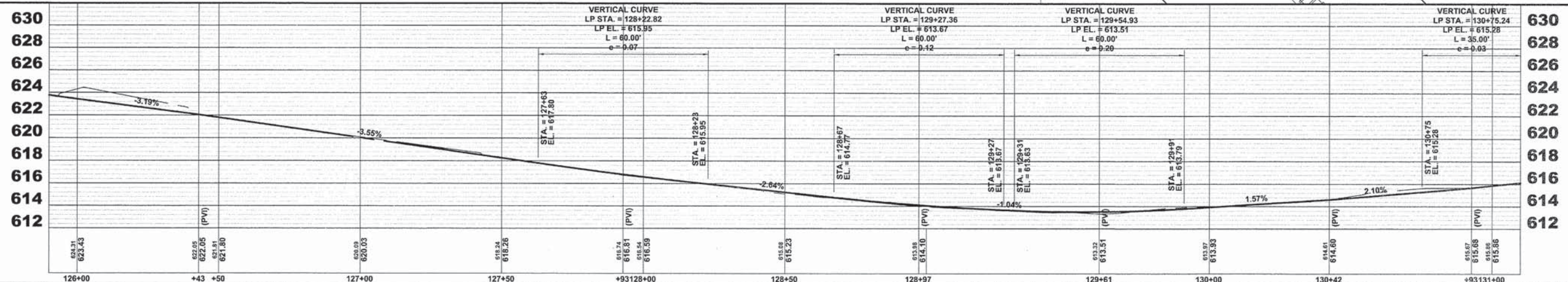
MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 387	08-00110-00-BT	COOK	155	43
FIELD BOOK NO.: GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		



EXISTING TOPOGRAPHY



PROPOSED IMPROVEMENT



Drawing file: W:\Projects\by_Milleg\Milleg\North Ave Commuter Bicycle Path\514\NORTH_AVE_2_LAYOUT SHEETS ONLY.dwg Aug 26, 2015 - 8:45am

HANCOCK ENGINEERING
 100+ Years of Excellence
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-665-0300
 www.hancock.com

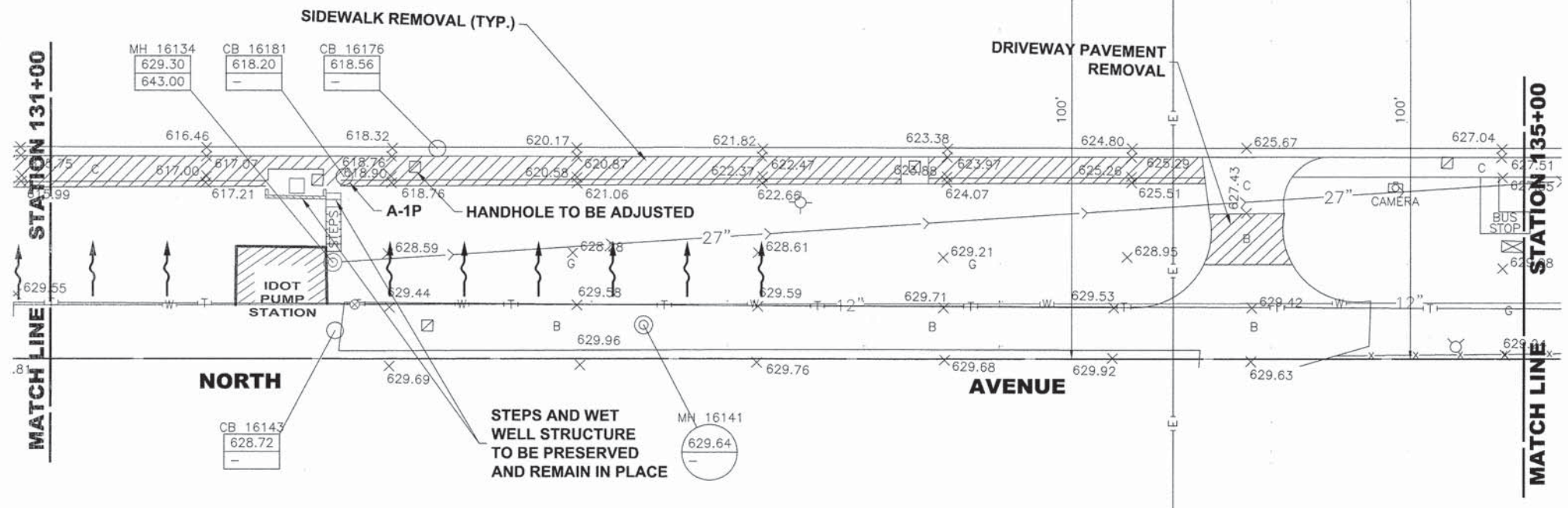
DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

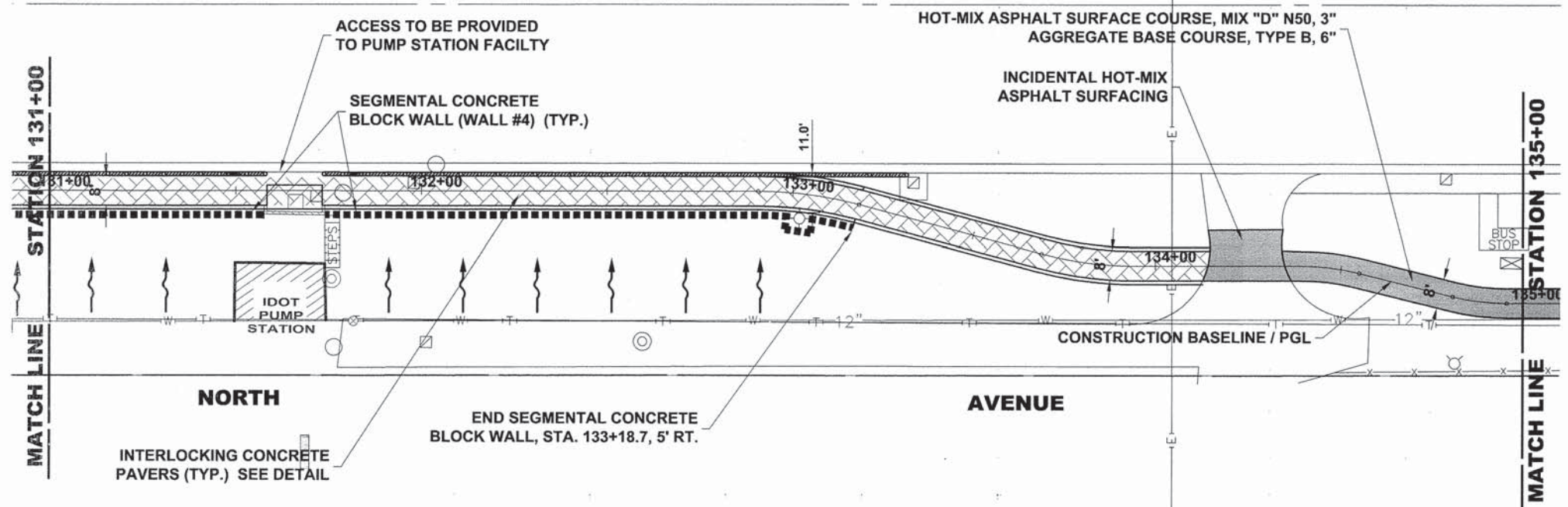
**NORTH AVENUE
 PLAN AND PROFILE**

SCALE: 1"=20'H. & 1"=5'V. SHEET NO. 24 OF 28 SHEETS STA. 126+00 TO STA. 131+00

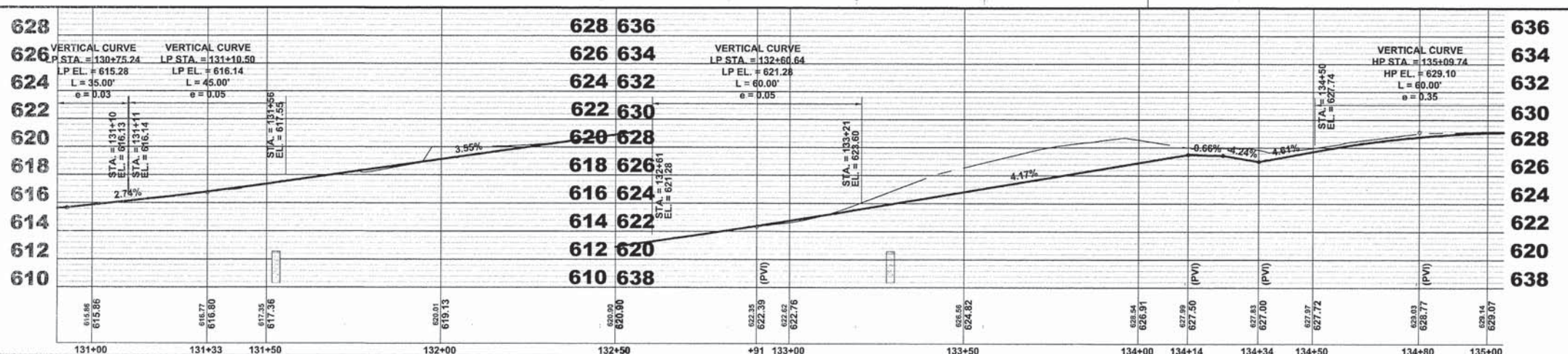
MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	44
FIELD BOOK NO. : GPS	CONTRACT NO. 61B78		ILLINOIS FED. AID PROJECT	



EXISTING TOPOGRAPHY



PROPOSED IMPROVEMENT



Drawing file: W:\Projects\by_Village\Waterse Park\6014242 - North Ave Commuter Bypass Path\Site\NORTH_AVE_2_LAYOUT SHEETS ONLY.dwg Aug 05, 2015 - 10:17am

HANCOCK ENGINEERING
 100+ Years of Experience
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Roosevelt Road
 Wheeling, IL 60154-9780
 Phone: 708-845-0300
 www.hancock.com

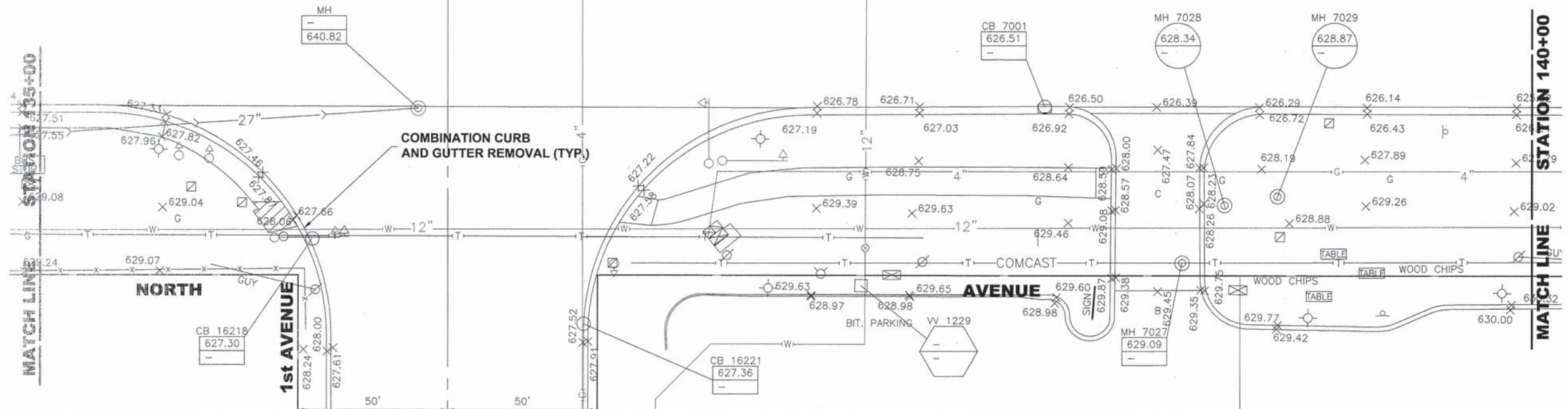
DESIGNED -	WOP	REVISED -	8-4-15 I.D.O.T. DMM
DRAWN -	DMM, MK	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	3-6-15	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

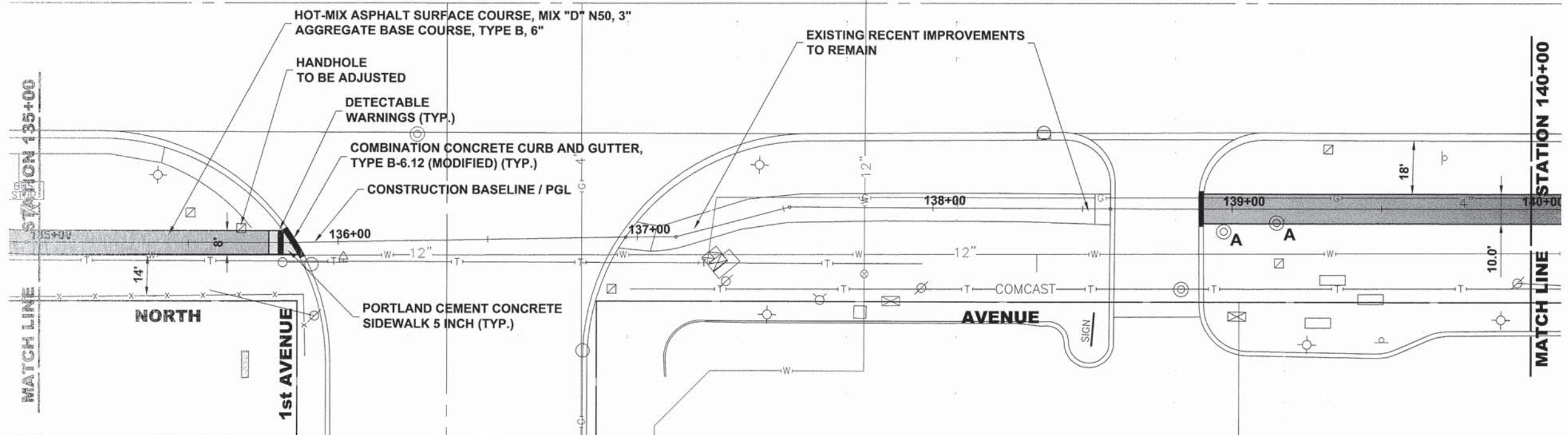
**NORTH AVENUE
 PLAN AND PROFILE**

SCALE: 1"=20'H. & 1"=5'V. SHEET NO. 25 OF 28 SHEETS STA. 131+00 TO STA. 135+00

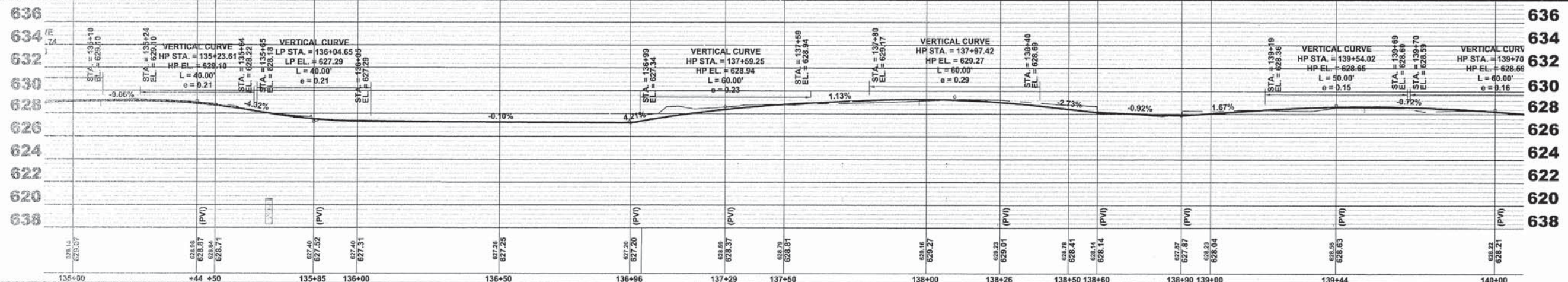
MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	45
FIELD BOOK NO.: GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		



EXISTING TOPOGRAPHY



PROPOSED IMPROVEMENT



Drawing File: W:\Projects\By_Village\Mease_Park\B001-4242 - 13079_Ave Commuter Bicycle Path_Site\WORTH_LANE_2_LAYOUT_SHEET'S ONLY.dwg Aug 05, 2015 - 10:28am

HANCOCK ENGINEERING
 9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-845-0300
 www.hancock.com

◆ Civil Engineers
 ◆ Municipal Consultants
 ◆ Established 1911

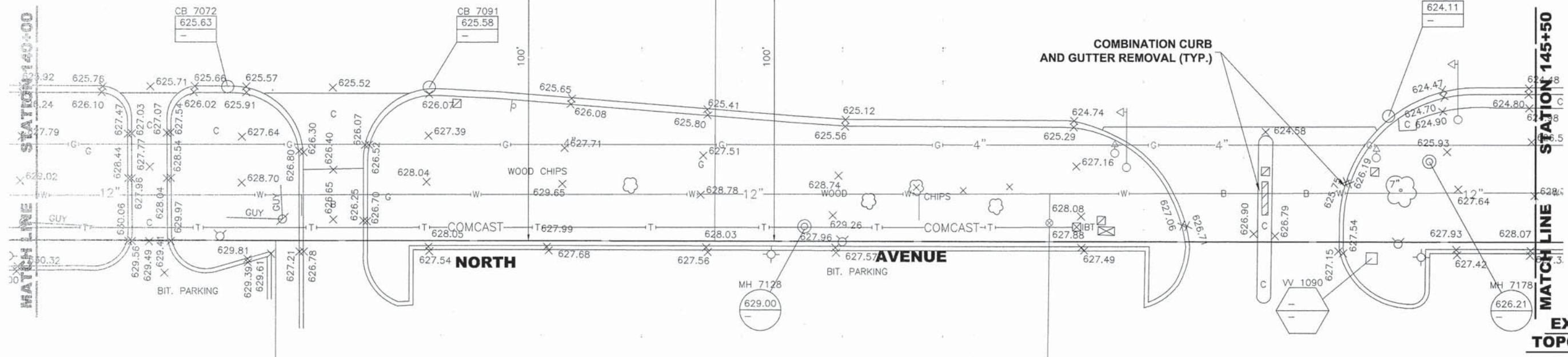
DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

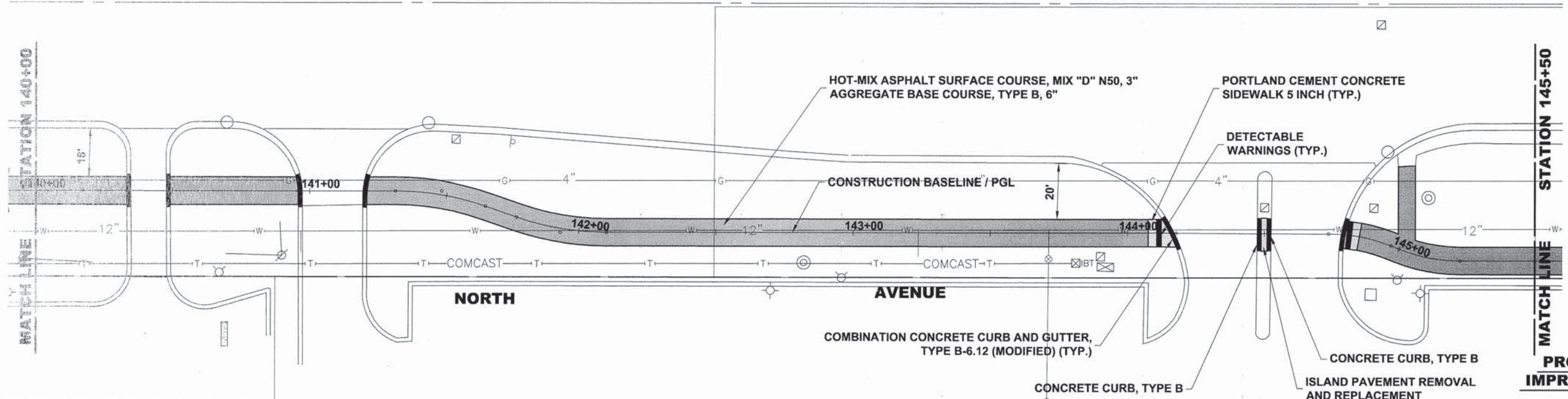
**NORTH AVENUE
 PLAN AND PROFILE**

SCALE: 1"=20'H. & 1"=5'V. SHEET NO. 26 OF 28 SHEETS STA. 135+00 TO STA. 140+00

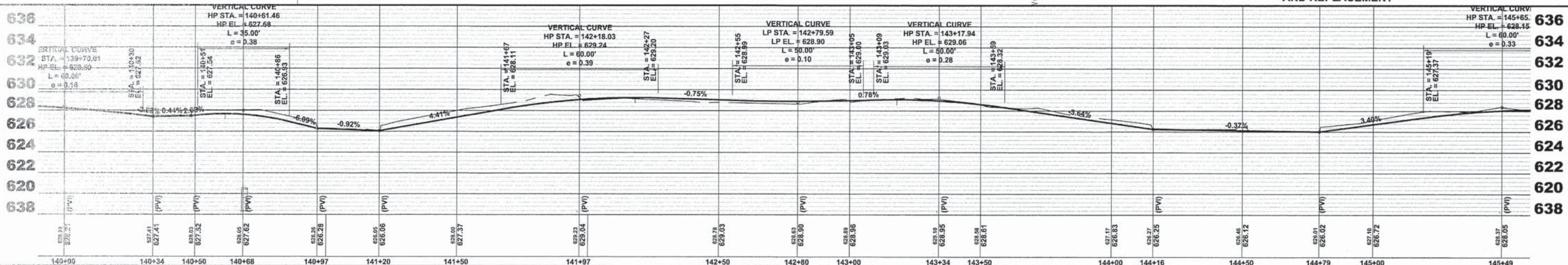
MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	46
FIELD BOOK NO. : GPS	CONTRACT NO. 61B78			
ILLINOIS		FED. AID PROJECT		



EXISTING TOPOGRAPHY



PROPOSED IMPROVEMENT



Drawing: C:\Projects\2015\14-242\14-242.dwg - North Ave Commuter Bypass Plan - SW NORTH LINE 2 LAYOUT SHEETS ONLY.dwg Aug 05, 2015 - 10:20am

HANCOCK ENGINEERING
 9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-845-0300
 www.hancock.com

◆ Civil Engineers
 ◆ Municipal Consultants
 ◆ Established 1911

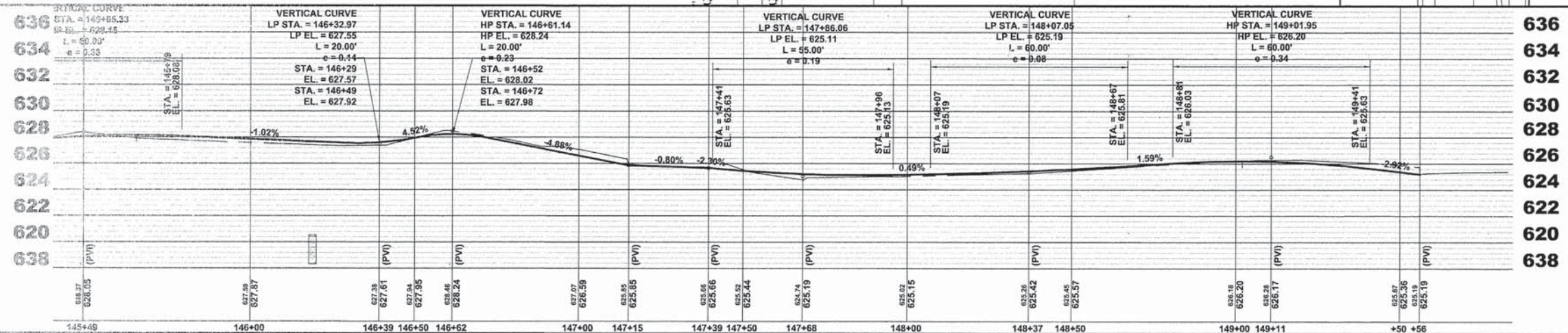
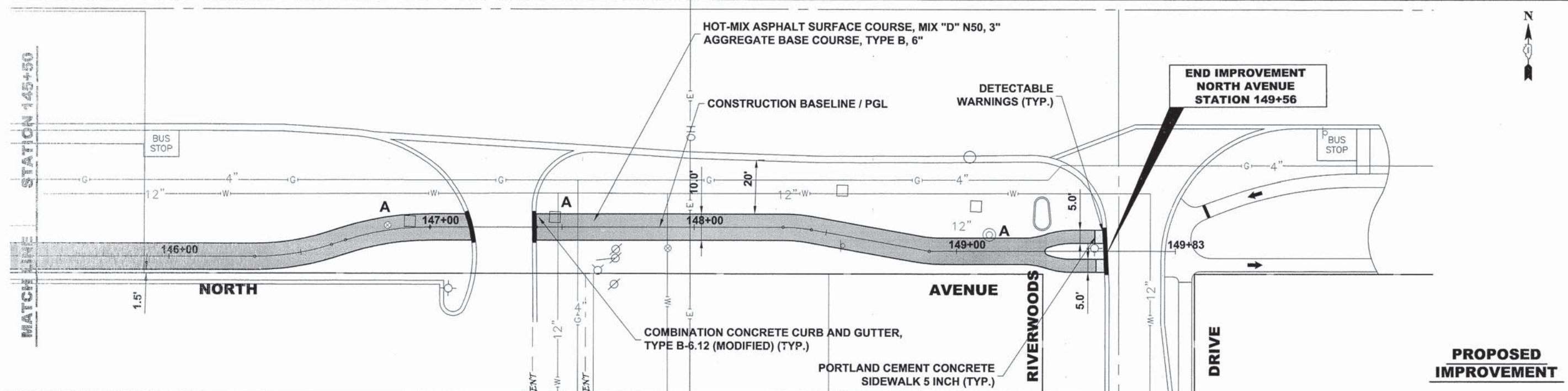
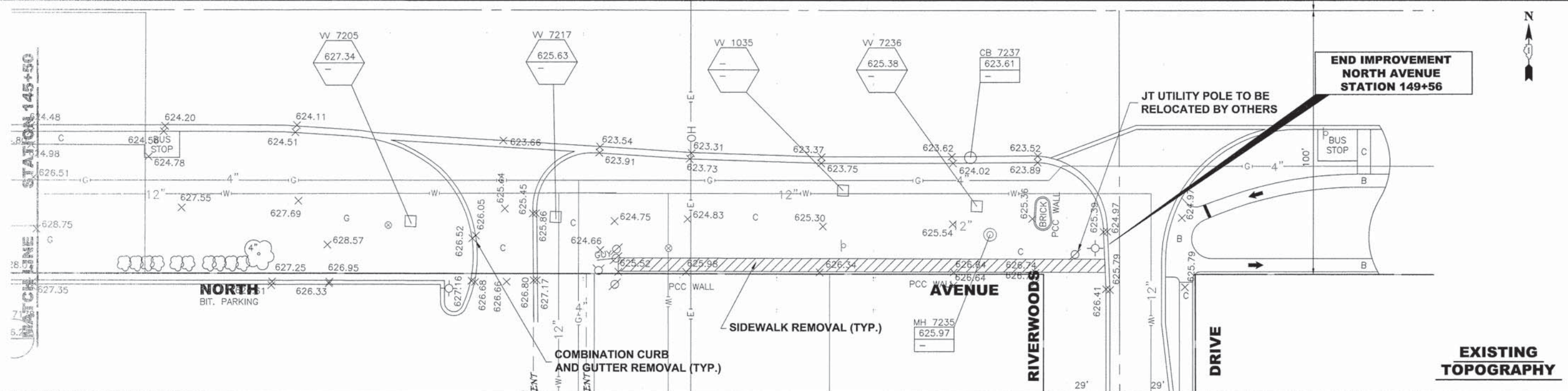
DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NORTH AVENUE
 PLAN AND PROFILE**

SCALE: 1"=20'H. & 1"=5'V. SHEET NO. 27 OF 28 SHEETS STA. 140+00 TO STA. 145+50

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	47
FIELD BOOK NO.: GPS			CONTRACT NO. 61B78	
ILLINOIS		FED. AID PROJECT		



HANCOCK ENGINEERING
 100 Years of Excellence
 Civil Engineers
 Municipal Consultants
 Established 1911
 933 Roosevelt Road
 Winchester, IL 60154-2760
 Phone: 708-865-0300
 www.hancock.com

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

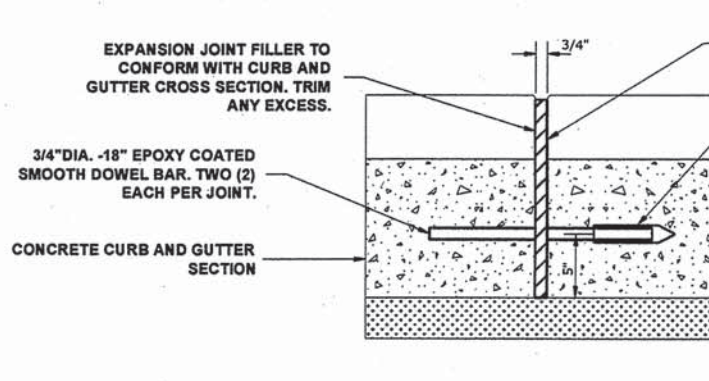
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NORTH AVENUE
 PLAN AND PROFILE**

SCALE: 1"=20'H. & 1"=5'V. SHEET NO. 28 OF 28 SHEETS STA. 145+50 TO STA. 151+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	48
FIELD BOOK NO. : GPS	CONTRACT NO. 61878		ILLINOIS FED. AID PROJECT	
E.H.E. PROJECT NO. 600-14-24201				

Drawing: C:\Projects\08-00110-00-BT\08-00110-00-BT.dwg Date: 08/05/2015 10:25:00am

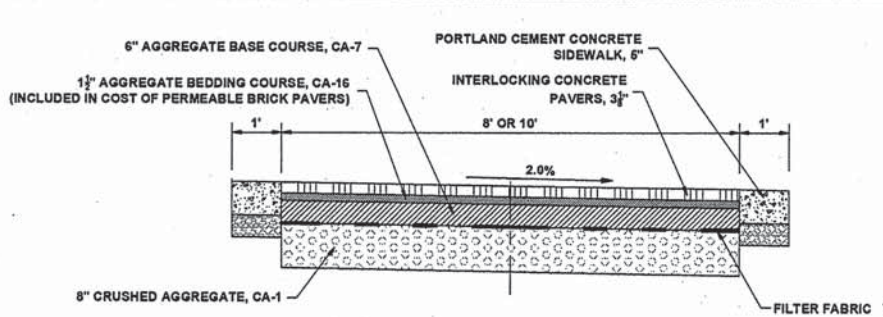


TYPICAL CURB AND GUTTER EXPANSION JOINT

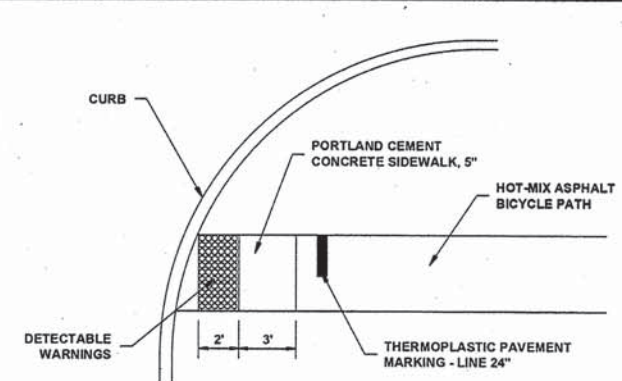
3/4" PREMOLDED, NON-EXTENDING JOINT FILLER AT EXPANSION JOINT. SEE NOTES FOR LOCATIONS.

GREASED PLASTIC EXPANSION CAP

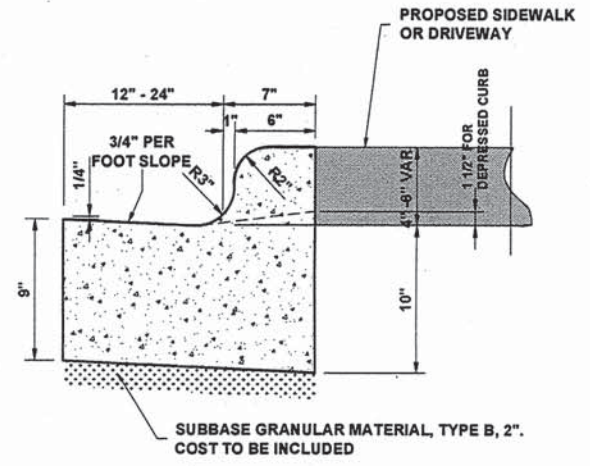
NOTE:
1. EXPANSION JOINTS ARE TO BE CONSTRUCTED AT ALL PC'S AND PT'S OF INTERSECTION RETURNS AND ALL OTHER SHORT RADIUS SECTIONS, CONSTRUCTION JOINTS & AS DIRECTED BY THE ENGINEER.



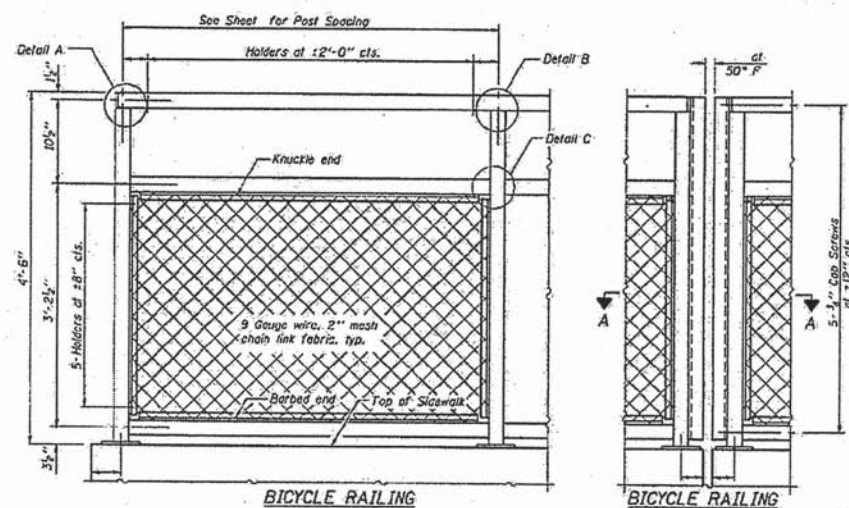
INTERLOCKING CONCRETE PAVERS DETAIL



TYPICAL STREET OR DRIVEWAY CROSSING (AT CONTROLLED STOP)

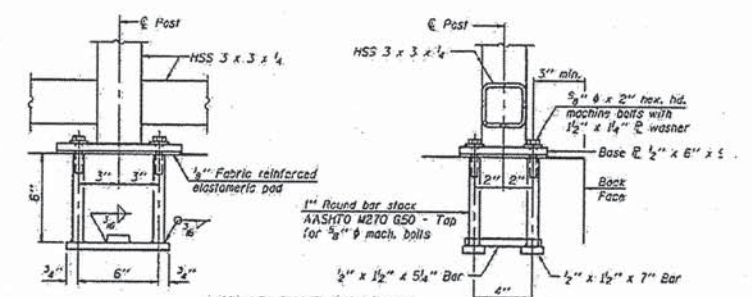
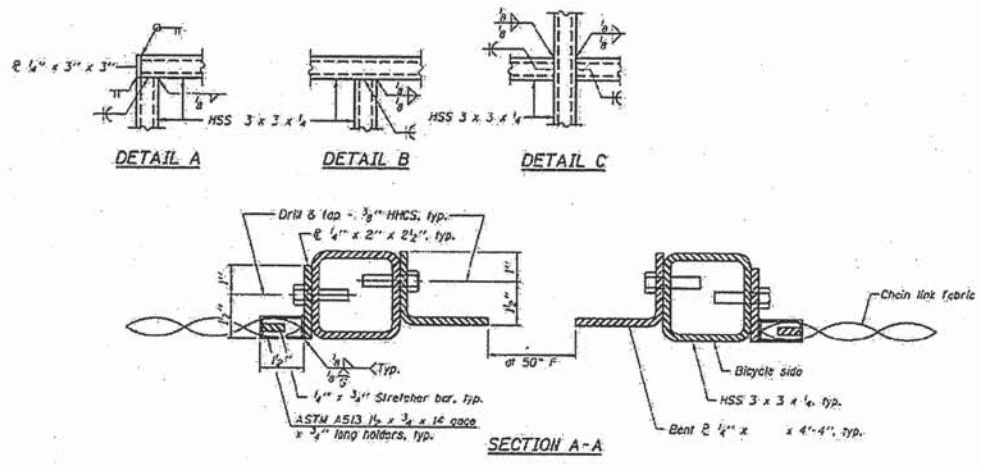


COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12, B-6.18, B-6.24 (DETAILS)



BICYCLE RAILING

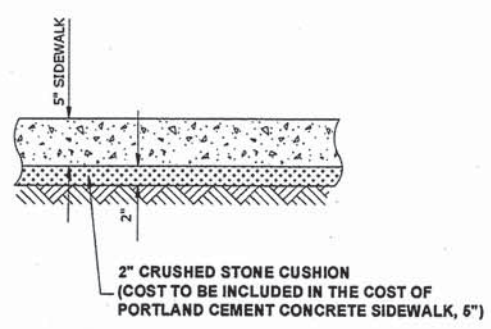
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications



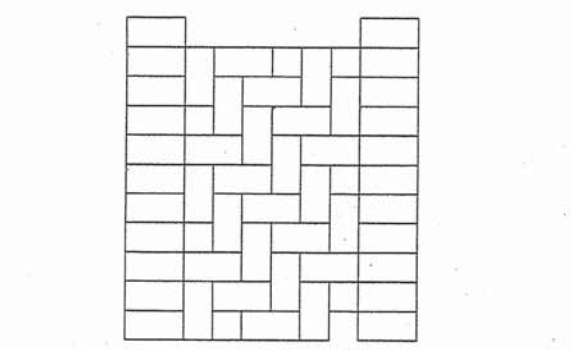
ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 3/8 inch anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

BICYCLE RAILING



TYPICAL P.C.C. SIDEWALK



PERMEABLE INTERLOCKING CONCRETE PAVERS LAYING PATTERN

Drawing file: W:\Projects_by_Village\Wetross Park\60014242 - North Ave Commuter Bicycle Path\10-Roadway Details_HBRB.dwg Nov 05, 2015 - 3:06pm

HANCOCK ENGINEERING

1100 N. 1st St. | Chicago, IL 60610

9933 Roosevelt Road | Westchester, IL 60154-2780

Phone: 708-846-0300 | www.hancock.com

◆ Civil Engineers
◆ Municipal Consultants
◆ Established 1911

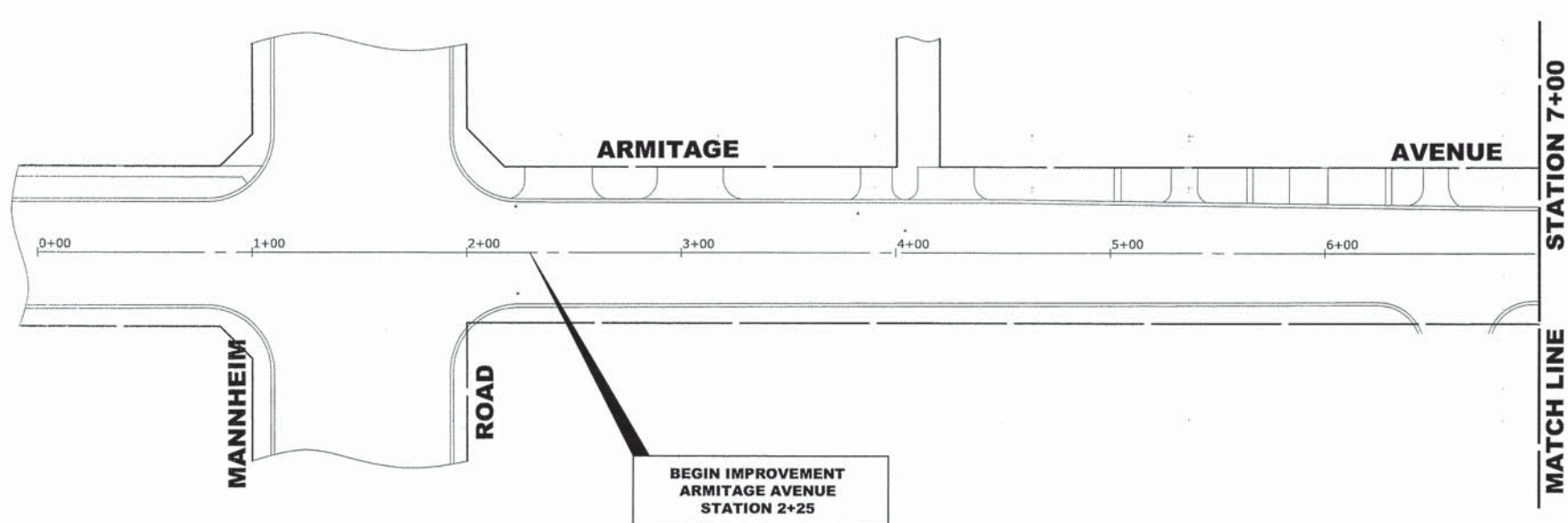
DESIGNED -	WOP	REVISED -	8-4-15 I.D.O.T. DMM
DRAWN -	DMM, MK	REVISED -	11-9-15 I.H.B.R.R. DMM
CHECKED -	JGG	REVISED -	
DATE -	3-6-15	REVISED -	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

ROADWAY DETAILS

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

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	165	49
FIELD BOOK NO. : GPS		CONTRACT NO. 61B78		
ILLINOIS FED. AID PROJECT				

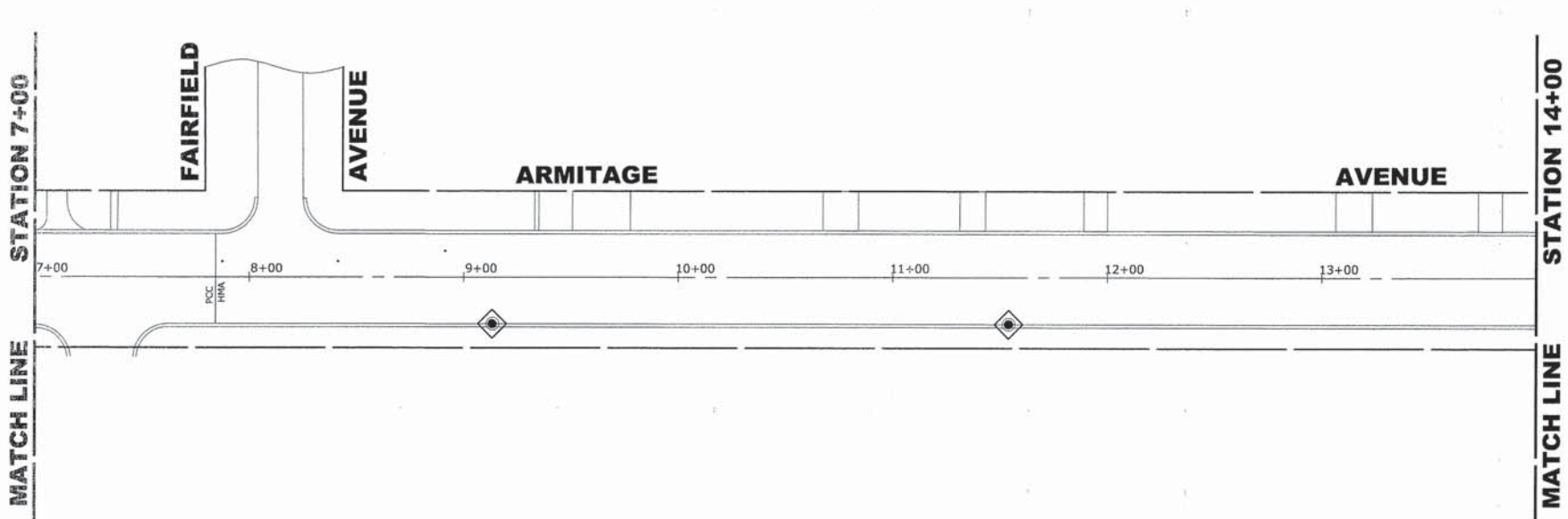
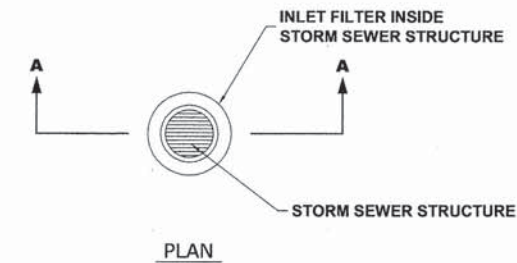
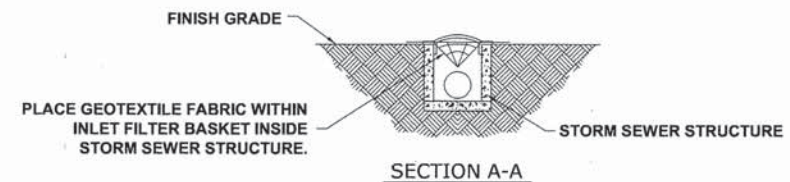


NOTES

1. SEE IDOT STANDARD 280001-07 FOR TEMPORARY EROSION CONTROL SYSTEMS.
2. THE CONTRACTOR SHALL ENSURE THAT ADJACENT PROPERTIES REMAIN PROTECTED FROM SEDIMENT DEPOSITION.
3. SOIL STOCKPILES SHALL BE PROTECTED WITH PERIMETER EROSION BARRIER OR OTHER EROSION PROTECTION SPECIFIED BY THE RESIDENT ENGINEER. THE COST SHALL BE INCLUDED IN THE UNIT PRICE FOR THE INDIVIDUAL SOIL MATERIALS.
4. WHEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY RUNOFF OR VEHICLE TRACKING ONTO THE PAVED SURFACE. THE PROVISIONS MAY INCLUDE SPRAYING VEHICLE WHEELS TO CLEAR SEDIMENT BEFORE EXITING THE CONSTRUCTION SITE OR OTHER MEASURES APPROVED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR THESE MEASURES.
5. THE COST OF ABOVE WORK WILL BE INCLUDED IN COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL)

LEGEND

SYMBOL	DESCRIPTION
	SEDIMENT CONTROL, DRAINAGE STRUCTURE, INLET FILTER CLEANING
	INLET FILTER



9933 Roosevelt Road
Westchester, IL 60184-0780
Phone: 708-845-0300
www.hancock.com

◆ Civil Engineers
◆ Municipal Consultants
◆ Established 1911

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

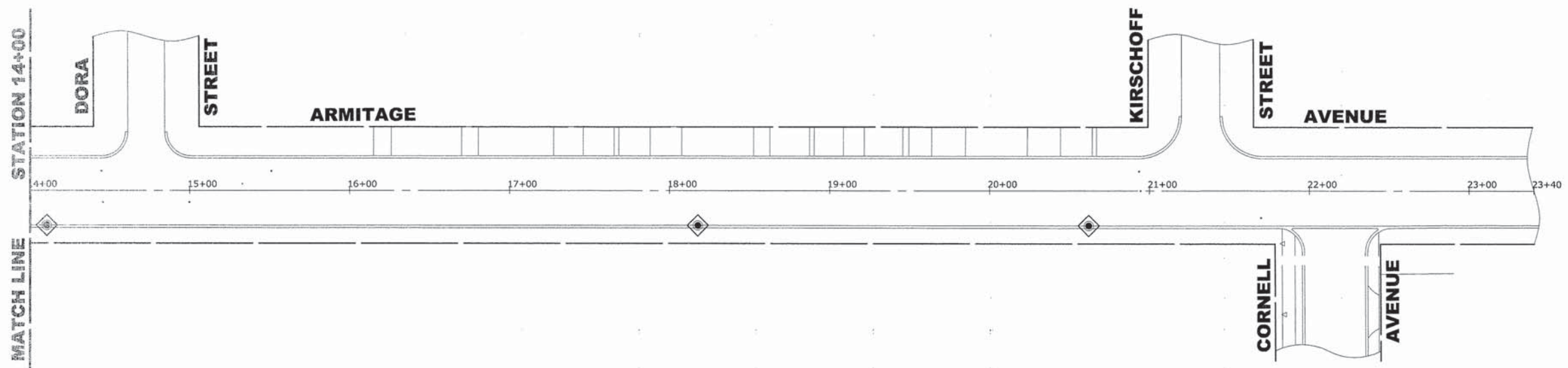
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL AND LANDSCAPING PLAN

SCALE: 1" = 40' SHEET NO. 1 OF 9 SHEETS STA. 0+00 TO STA. 14+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	50
FIELD BOOK NO. : GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

Drawing file: W:\Projects\by_Village\Unrise_Park\5011242 - North Ave Commuter Bicycle Path_Site\30-83_NORTH_AVE_40x60.dwg Aug 04, 2015 - 8:31am

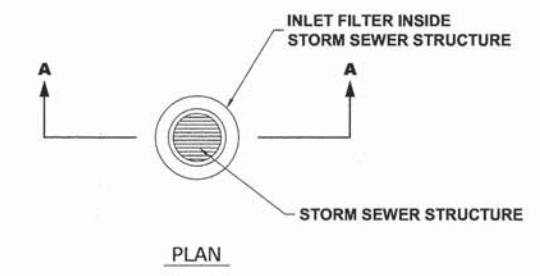
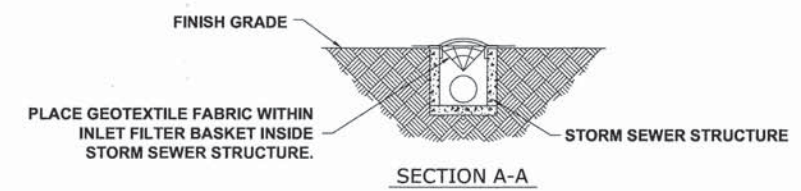


NOTES

1. SEE IDOT STANDARD 280001-07 FOR TEMPORARY EROSION CONTROL SYSTEMS.
2. THE CONTRACTOR SHALL ENSURE THAT ADJACENT PROPERTIES REMAIN PROTECTED FROM SEDIMENT DEPOSITION.
3. SOIL STOCKPILES SHALL BE PROTECTED WITH PERIMETER EROSION BARRIER OR OTHER EROSION PROTECTION SPECIFIED BY THE RESIDENT ENGINEER. THE COST SHALL BE INCLUDED IN THE UNIT PRICE FOR THE INDIVIDUAL SOIL MATERIALS.
4. WHEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY RUNOFF OR VEHICLE TRACKING ONTO THE PAVED SURFACE. THE PROVISIONS MAY INCLUDE SPRAYING VEHICLE WHEELS TO CLEAR SEDIMENT BEFORE EXITING THE CONSTRUCTION SITE OR OTHER MEASURES APPROVED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR THESE MEASURES.
5. THE COST OF ABOVE WORK WILL BE INCLUDED IN COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL)

LEGEND

SYMBOL	DESCRIPTION
	SEDIMENT CONTROL, DRAINAGE STRUCTURE, INLET FILTER CLEANING
	INLET FILTER



Drawing File: W:\Projects\By_Village\Release_Park\60014242 - North Ave Commuter Bicycle Path_Site\50-66 NORTH_AVE_detailed.dwg Aug 04, 2015 - 8:37am
 50+ Years of Excellence
 HANCOCK ENGINEERING
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-665-0300
 www.hancock.com



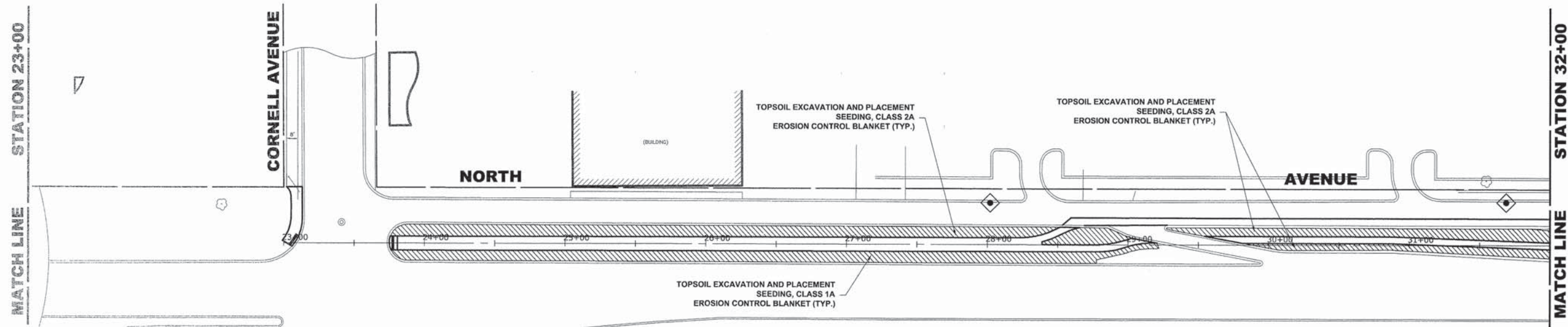
DESIGNED - WOP
 DRAWN - DMM, MK
 CHECKED - JGG
 DATE - 3-6-15

REVISED - 8-4-15 I.D.O.T. DMM
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL AND LANDSCAPING PLAN
 SCALE: 1" = 40'
 SHEET NO. 2 OF 9 SHEETS
 STA. 14+00 TO STA. 23+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	51
FIELD BOOK NO. : GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

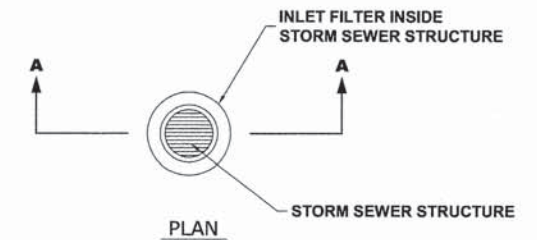
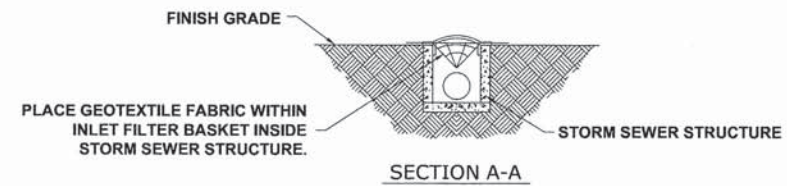


NOTES

1. SEE IDOT STANDARD 280001-07 FOR TEMPORARY EROSION CONTROL SYSTEMS.
2. THE CONTRACTOR SHALL ENSURE THAT ADJACENT PROPERTIES REMAIN PROTECTED FROM SEDIMENT DEPOSITION.
3. SOIL STOCKPILES SHALL BE PROTECTED WITH PERIMETER EROSION BARRIER OR OTHER EROSION PROTECTION SPECIFIED BY THE RESIDENT ENGINEER. THE COST SHALL BE INCLUDED IN THE UNIT PRICE FOR THE INDIVIDUAL SOIL MATERIALS.
4. WHEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY RUNOFF OR VEHICLE TRACKING ONTO THE PAVED SURFACE. THE PROVISIONS MAY INCLUDE SPRAYING VEHICLE WHEELS TO CLEAR SEDIMENT BEFORE EXITING THE CONSTRUCTION SITE OR OTHER MEASURES APPROVED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR THESE MEASURES.
5. THE COST OF ABOVE WORK WILL BE INCLUDED IN COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL)

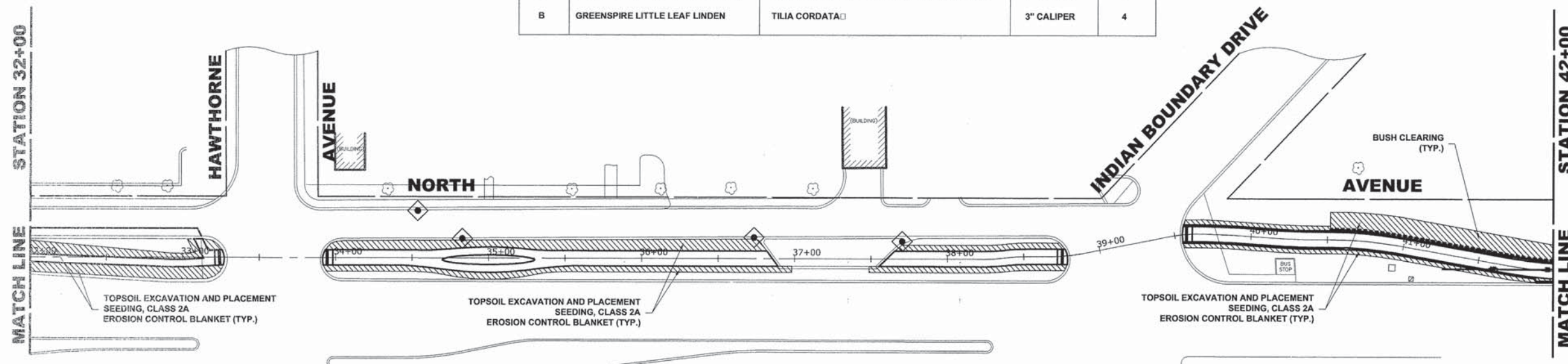
LEGEND

SYMBOL	DESCRIPTION
	SEDIMENT CONTROL, DRAINAGE STRUCTURE, INLET FILTER CLEANING
	INLET FILTER



TREE REPLACEMENT

SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE	QUANTITY
A	IMPERIAL THORNLESS HONEYLOCUST	GLEDITSIA TRIACANTHOS VAR. INERMIS IMPERIAL	3" CALIPER	3
B	GREENSPIRE LITTLE LEAF LINDEN	TILIA CORDATA	3" CALIPER	4



HANCOCK ENGINEERING
 100+ Years of Experience
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Roscoville Road
 Westchester, IL 60154-2780
 Phone: 708-845-0300
 www.hancock.com

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

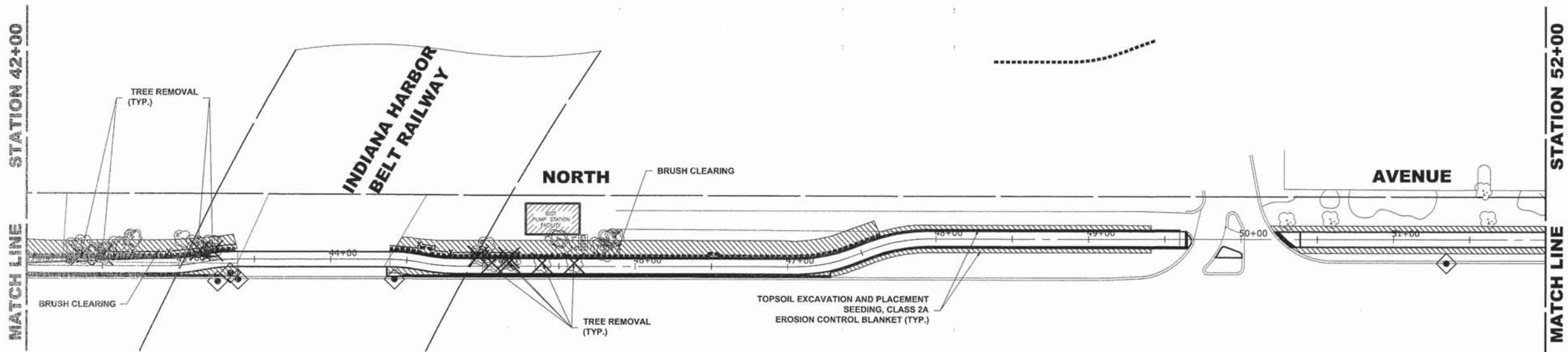
EROSION CONTROL AND LANDSCAPING PLAN

SCALE: 1" = 40' SHEET NO. 3 OF 9 SHEETS STA. 23+00 TO STA. 42+00

MS RTE. FAP 307	SECTION 08-00110-00-BT	COUNTY COOK	TOTAL SHEETS 155	SHEET NO. 52
FIELD BOOK NO. : GPS		CONTRACT NO. 61B78		

ILLINOIS FED. AID PROJECT
 E.H.E. PROJECT NO. 600-14-24201

Drawing file: W:\Projects\By_Village\Verona Park\0014219 - North Ave Commuter Bicycle Path_SHA\30-88 North Ave_NORTH_AVE_10\Drawings.dwg Sep 04, 2015 12:13pm

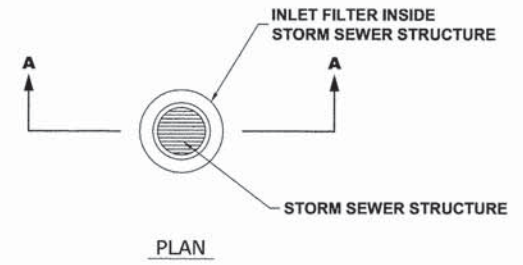
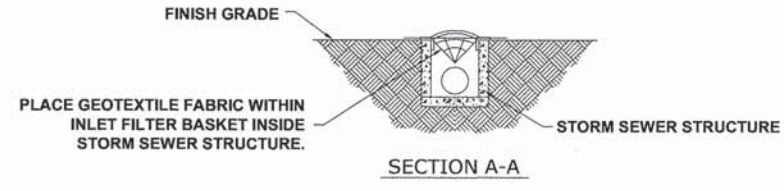


NOTES

1. SEE IDOT STANDARD 280001-07 FOR TEMPORARY EROSION CONTROL SYSTEMS.
2. THE CONTRACTOR SHALL ENSURE THAT ADJACENT PROPERTIES REMAIN PROTECTED FROM SEDIMENT DEPOSITION.
3. SOIL STOCKPILES SHALL BE PROTECTED WITH PERIMETER EROSION BARRIER OR OTHER EROSION PROTECTION SPECIFIED BY THE RESIDENT ENGINEER. THE COST SHALL BE INCLUDED IN THE UNIT PRICE FOR THE INDIVIDUAL SOIL MATERIALS.
4. WHEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY RUNOFF OR VEHICLE TRACKING ONTO THE PAVED SURFACE. THE PROVISIONS MAY INCLUDE SPRAYING VEHICLE WHEELS TO CLEAR SEDIMENT BEFORE EXITING THE CONSTRUCTION SITE OR OTHER MEASURES APPROVED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR THESE MEASURES.
5. THE COST OF ABOVE WORK WILL BE INCLUDED IN COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL)

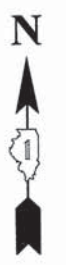
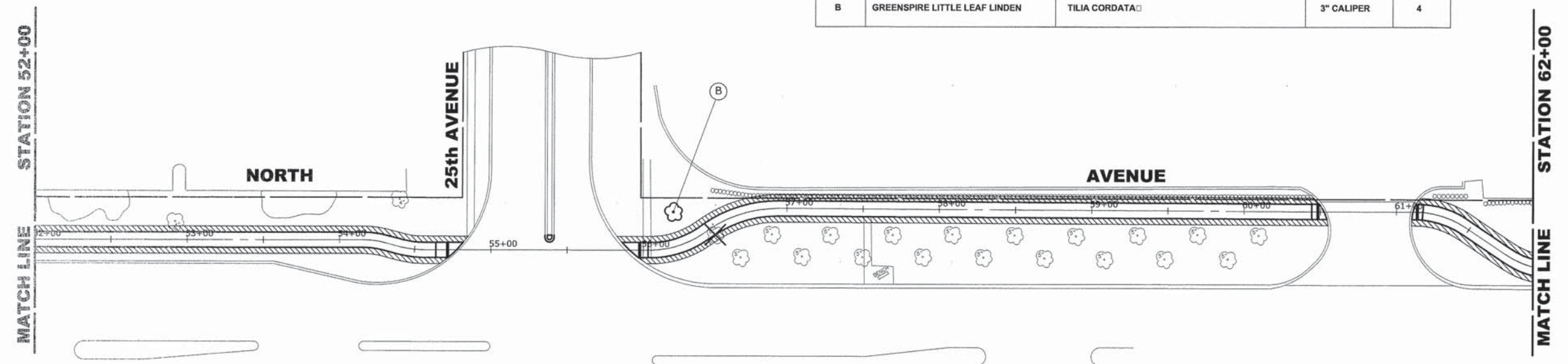
LEGEND

SYMBOL	DESCRIPTION
	SEDIMENT CONTROL, DRAINAGE STRUCTURE, INLET FILTER CLEANING
	INLET FILTER



TREE REPLACEMENT

SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE	QUANTITY
A	IMPERIAL THORNLESS HONEYLOCUST	GLEDTISIA TRIACANTHOS VAR. INERMIS IMPERIAL	3" CALIPER	3
B	GREENSPIRE LITTLE LEAF LINDEN	TILIA CORDATA	3" CALIPER	4



D:\Projects\15_Village\Mease Park\60014242 - Main Ave Commuter Bicycle Path_S14\30-68 NORTH_AVE_40pc.dwg Sep 04, 2015 - 12:13pm

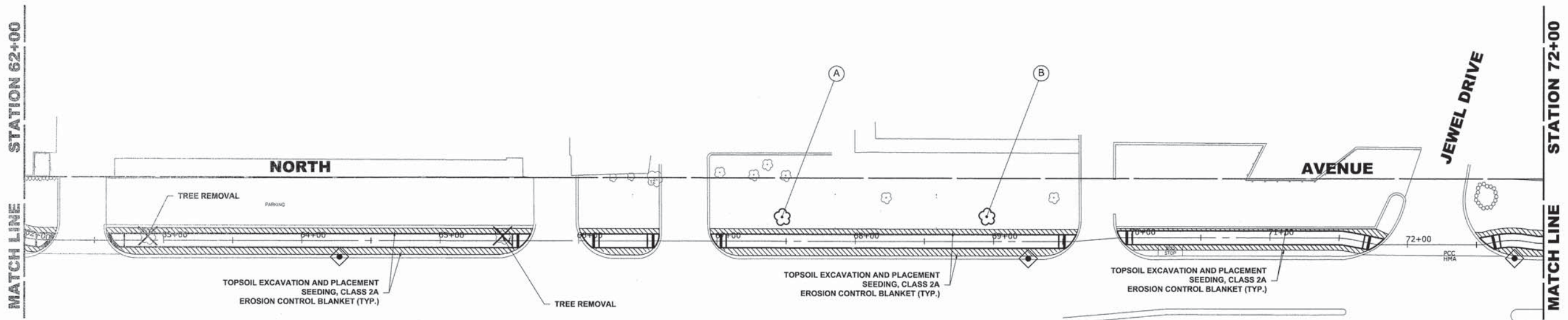
HANCOCK ENGINEERING
 100 Years of Excellence
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Woodview Road
 Westchester, IL 60154-2780
 Phone: 708-865-0300
 www.hancock.com

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL AND LANDSCAPING PLAN
 SCALE: 1" = 40'
 SHEET NO. 4 OF 9 SHEETS
 STA. 42+00 TO STA. 62+00

MS RTE. FAP 307	SECTION 08-00110-00-BT	COUNTY COOK	TOTAL SHEETS 155	SHEET NO. 53
FIELD BOOK NO. : GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

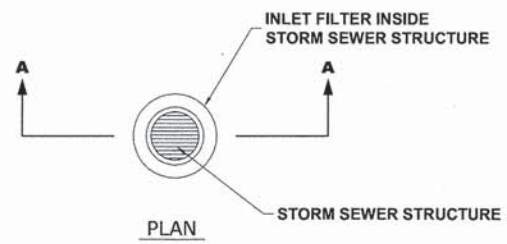
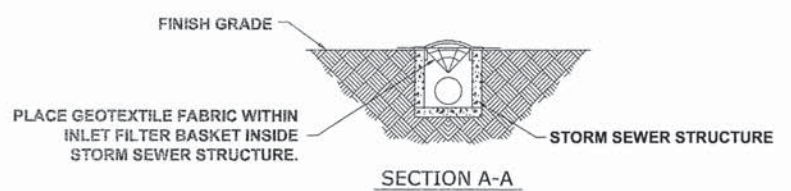


NOTES

- SEE IDOT STANDARD 280001-07 FOR TEMPORARY EROSION CONTROL SYSTEMS.
- THE CONTRACTOR SHALL ENSURE THAT ADJACENT PROPERTIES REMAIN PROTECTED FROM SEDIMENT DEPOSITION.
- SOIL STOCKPILES SHALL BE PROTECTED WITH PERIMETER EROSION BARRIER OR OTHER EROSION PROTECTION SPECIFIED BY THE RESIDENT ENGINEER. THE COST SHALL BE INCLUDED IN THE UNIT PRICE FOR THE INDIVIDUAL SOIL MATERIALS.
- WHEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY RUNOFF OR VEHICLE TRACKING ONTO THE PAVED SURFACE. THE PROVISIONS MAY INCLUDE SPRAYING VEHICLE WHEELS TO CLEAR SEDIMENT BEFORE EXITING THE CONSTRUCTION SITE OR OTHER MEASURES APPROVED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR THESE MEASURES.
- THE COST OF ABOVE WORK WILL BE INCLUDED IN COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL)

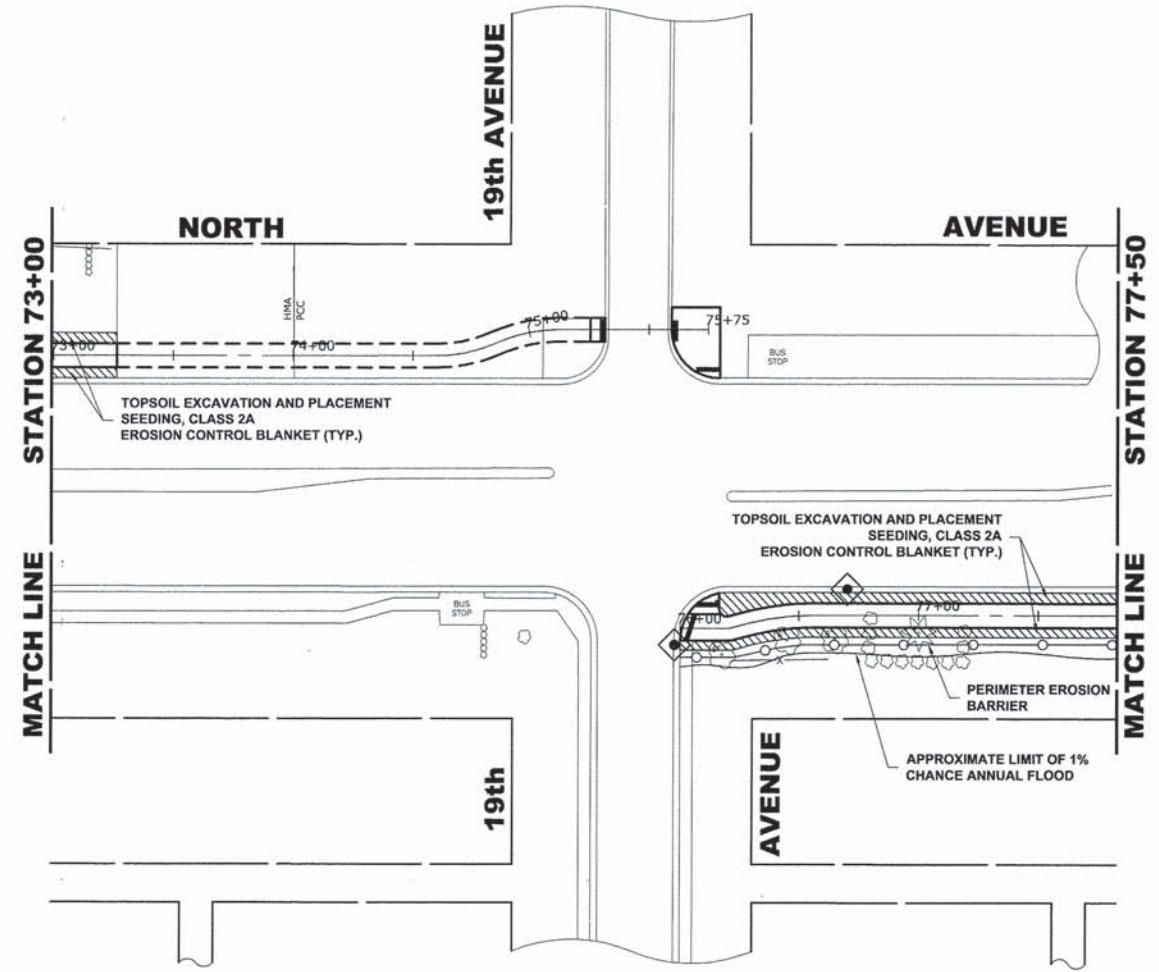
LEGEND

SYMBOL	DESCRIPTION
	SEDIMENT CONTROL, DRAINAGE STRUCTURE, INLET FILTER CLEANING
	INLET FILTER

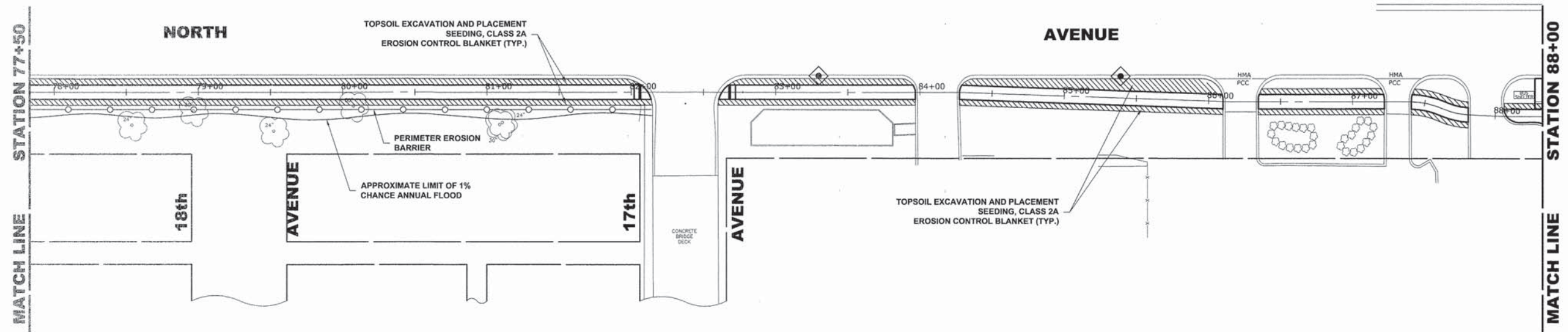


TREE REPLACEMENT

SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE	QUANTITY
A	IMPERIAL THORNLESS HONEYLOCUST	GLEDTISIA TRIACANTHOS VAR. INERMIS IMPERIAL	3" CALIPER	3
B	GREENSPIRE LITTLE LEAF LINDEN	TILIA CORDATA	3" CALIPER	4



Drawing file: W:\Projects\by_40469\Maroon_Park\60014242 - North and Commuter Bicycle Path_Site\60-88 NORTH_AVE_Landscaping.dwg
 Sep 04, 2015 12:14pm

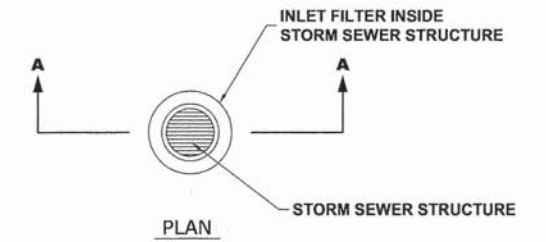
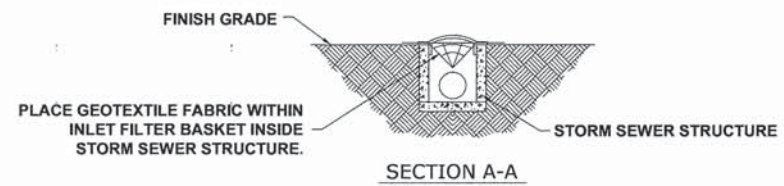


NOTES

- SEE IDOT STANDARD 280001-07 FOR TEMPORARY EROSION CONTROL SYSTEMS.
- THE CONTRACTOR SHALL ENSURE THAT ADJACENT PROPERTIES REMAIN PROTECTED FROM SEDIMENT DEPOSITION.
- SOIL STOCKPILES SHALL BE PROTECTED WITH PERIMETER EROSION BARRIER OR OTHER EROSION PROTECTION SPECIFIED BY THE RESIDENT ENGINEER. THE COST SHALL BE INCLUDED IN THE UNIT PRICE FOR THE INDIVIDUAL SOIL MATERIALS.
- WHEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY RUNOFF OR VEHICLE TRACKING ONTO THE PAVED SURFACE. THE PROVISIONS MAY INCLUDE SPRAYING VEHICLE WHEELS TO CLEAR SEDIMENT BEFORE EXITING THE CONSTRUCTION SITE OR OTHER MEASURES APPROVED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR THESE MEASURES.
- THE COST OF ABOVE WORK WILL BE INCLUDED IN COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL)

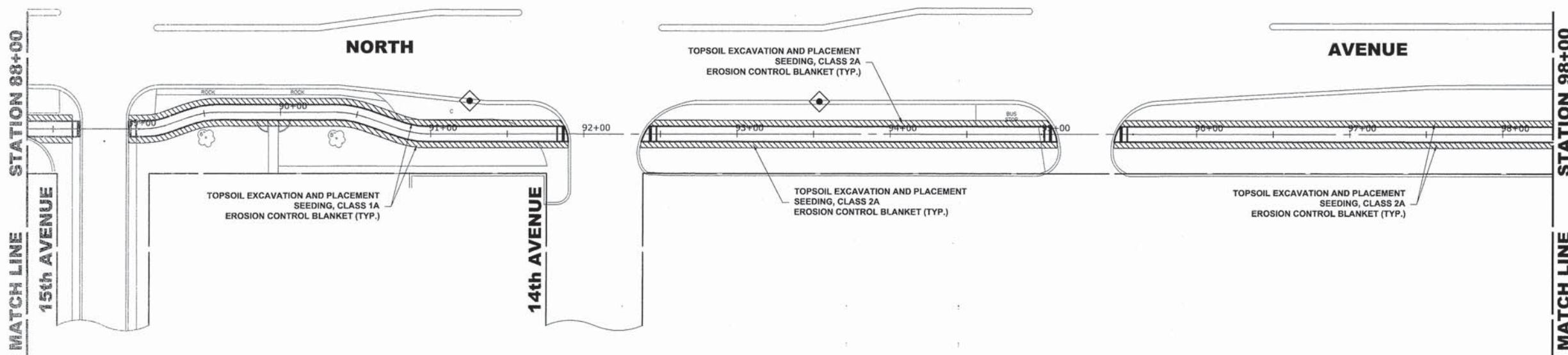
LEGEND

SYMBOL	DESCRIPTION
	SEDIMENT CONTROL, DRAINAGE STRUCTURE, INLET FILTER CLEANING
	INLET FILTER



TREE REPLACEMENT

SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE	QUANTITY
A	IMPERIAL THORNLESS HONEYLOCUST	GLEDTISIA TRIACANTHOS VAR. INERMIS IMPERIAL	3" CALIPER	3
B	GREENSPIRE LITTLE LEAF LINDEN	TILIA CORDATA	3" CALIPER	4



HANCOCK ENGINEERING
 100+ Years of Excellence
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Roseville Road
 Westchester, IL 60154-2780
 Phone: 708-845-0300
 www.hancock.com

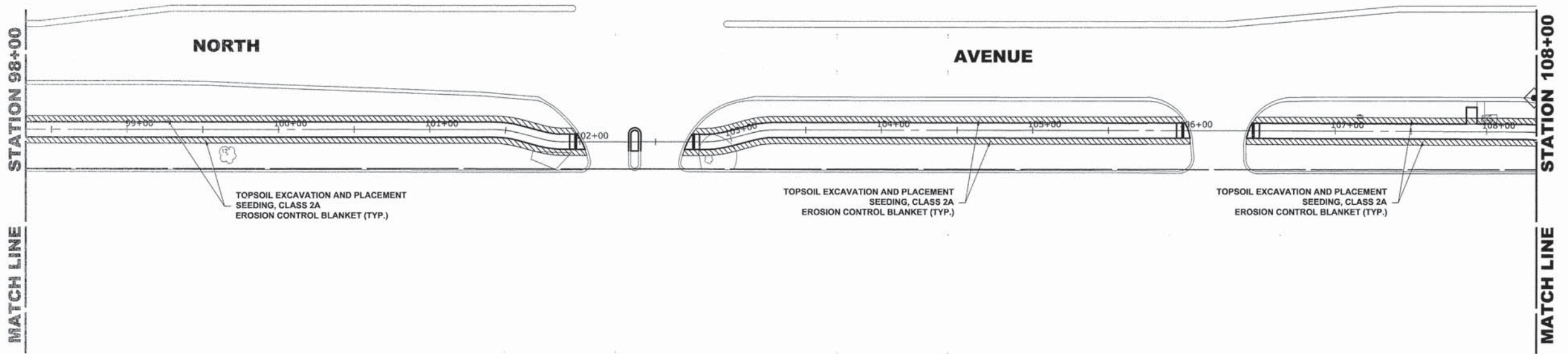
DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL AND LANDSCAPING PLAN			
SCALE: 1" = 40'	SHEET NO. 6 OF 9 SHEETS	STA. 77+50	TO STA. 98+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	55
FIELD BOOK NO.: GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

Drawing file: W:\Projects\by_Village\Verese Park\60014242 - North Ave Commuter Bicycle Path_Site\00-48 NORTH_AVE_48sc01.dwg Sep 04, 2015 12:15pm



NOTES

- SEE IDOT STANDARD 280001-07 FOR TEMPORARY EROSION CONTROL SYSTEMS.
- THE CONTRACTOR SHALL ENSURE THAT ADJACENT PROPERTIES REMAIN PROTECTED FROM SEDIMENT DEPOSITION.
- SOIL STOCKPILES SHALL BE PROTECTED WITH PERIMETER EROSION BARRIER OR OTHER EROSION PROTECTION SPECIFIED BY THE RESIDENT ENGINEER. THE COST SHALL BE INCLUDED IN THE UNIT PRICE FOR THE INDIVIDUAL SOIL MATERIALS.
- WHEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY RUNOFF OR VEHICLE TRACKING ONTO THE PAVED SURFACE. THE PROVISIONS MAY INCLUDE SPRAYING VEHICLE WHEELS TO CLEAR SEDIMENT BEFORE EXITING THE CONSTRUCTION SITE OR OTHER MEASURES APPROVED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR THESE MEASURES.
- THE COST OF ABOVE WORK WILL BE INCLUDED IN COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL)

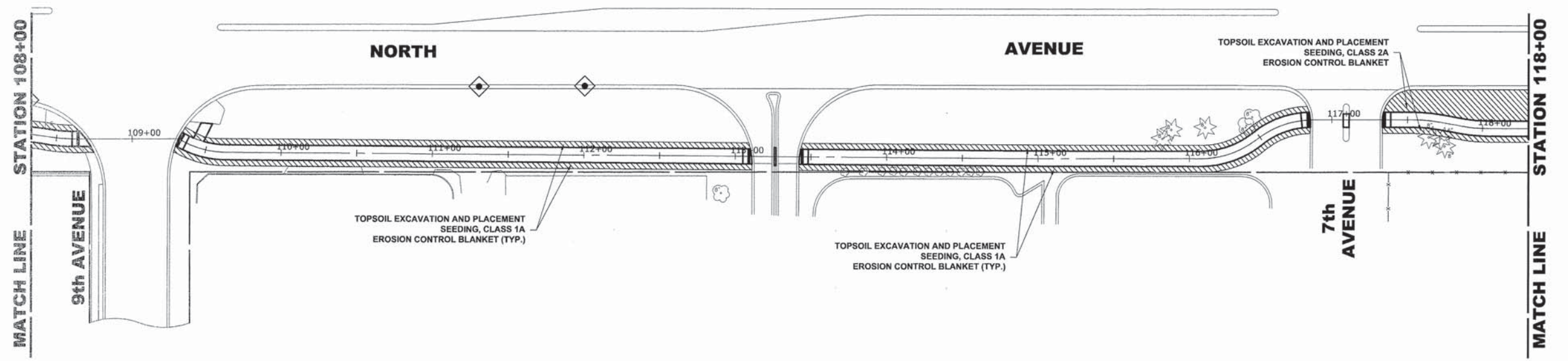
LEGEND

SYMBOL	DESCRIPTION
	SEDIMENT CONTROL, DRAINAGE STRUCTURE, INLET FILTER CLEANING
	INLET FILTER



TREE REPLACEMENT

SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE	QUANTITY
A	IMPERIAL THORNLESS HONEYLOCUST	GLEDITSIA TRIACANTHOS VAR. INERMIS IMPERIAL	3" CALIPER	3
B	GREENSPIRE LITTLE LEAF LINDEN	TILIA CORDATA	3" CALIPER	4



HANCOCK ENGINEERING
 100+ Years of Excellence
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Rossmore Road
 Westchester, IL 60154-2780
 Phone: 708-665-0300
 www.hancock.com

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

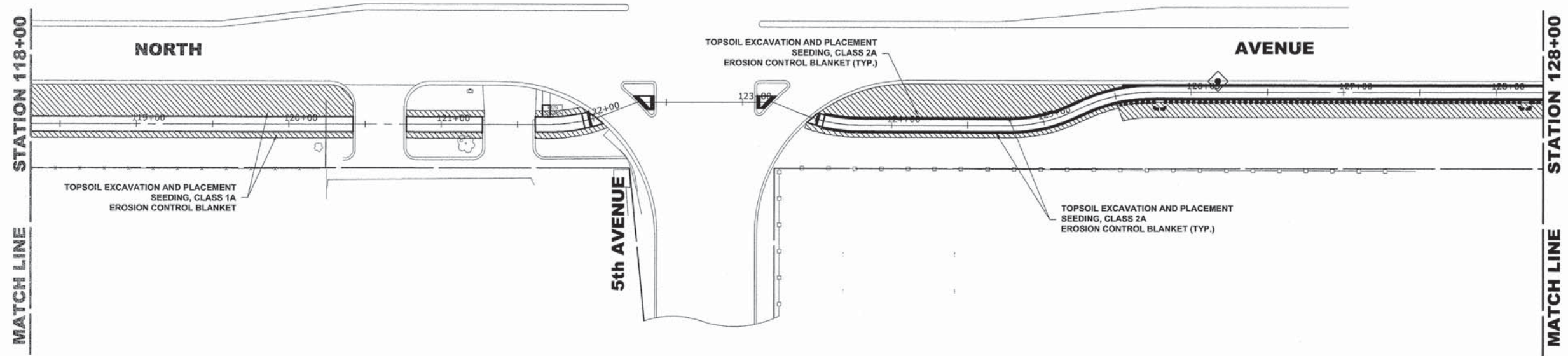
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL AND LANDSCAPING PLAN

SCALE: 1" = 40' SHEET NO. 7 OF 9 SHEETS STA. 98+00 TO STA. 118+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	56
FIELD BOOK NO. : GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

Drawing File: \\projects_by_village\mccree\proj\60014242 - North Ave Commuter Bicycle Path_S14_50-65 NORTH_AVE_08c06.dwg Sep 04, 2015 - 12:16pm

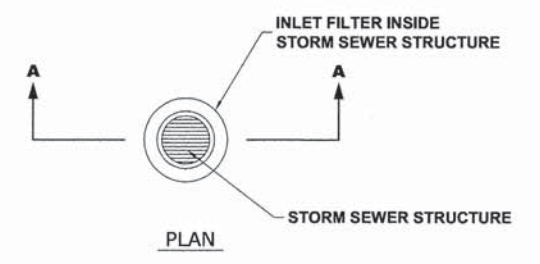
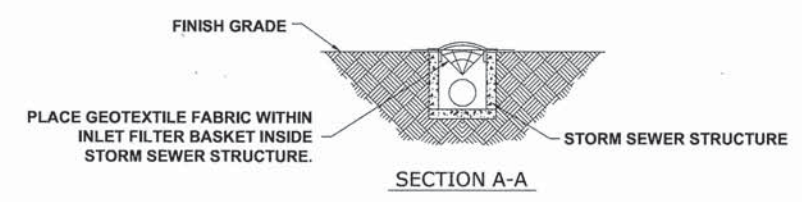


NOTES

1. SEE IDOT STANDARD 280001-07 FOR TEMPORARY EROSION CONTROL SYSTEMS.
2. THE CONTRACTOR SHALL ENSURE THAT ADJACENT PROPERTIES REMAIN PROTECTED FROM SEDIMENT DEPOSITION.
3. SOIL STOCKPILES SHALL BE PROTECTED WITH PERIMETER EROSION BARRIER OR OTHER EROSION PROTECTION SPECIFIED BY THE RESIDENT ENGINEER. THE COST SHALL BE INCLUDED IN THE UNIT PRICE FOR THE INDIVIDUAL SOIL MATERIALS.
4. WHEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY RUNOFF OR VEHICLE TRACKING ONTO THE PAVED SURFACE. THE PROVISIONS MAY INCLUDE SPRAYING VEHICLE WHEELS TO CLEAR SEDIMENT BEFORE EXITING THE CONSTRUCTION SITE OR OTHER MEASURES APPROVED BY THE ENGINEER.
5. THE COST OF ABOVE WORK WILL BE INCLUDED IN COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL)

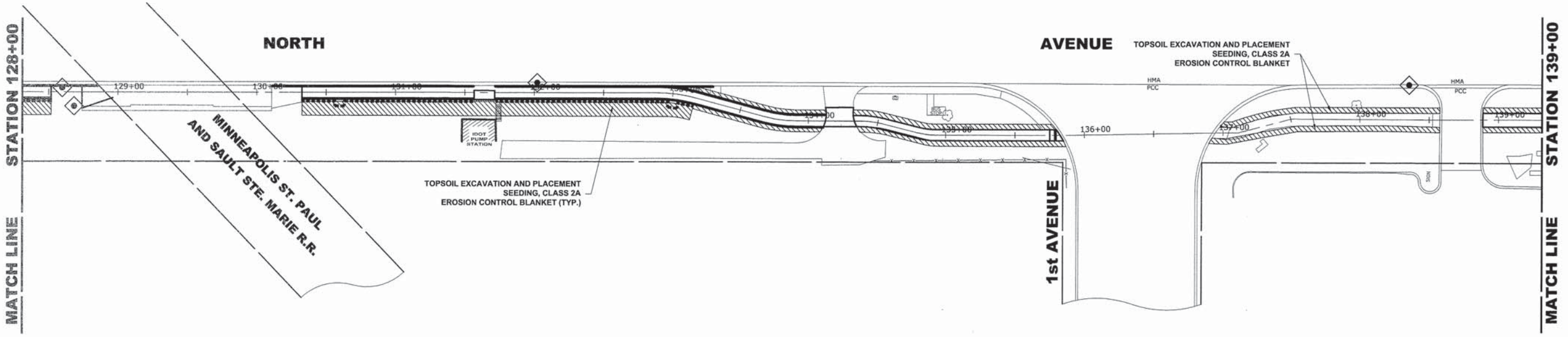
LEGEND

SYMBOL	DESCRIPTION
	SEDIMENT CONTROL, DRAINAGE STRUCTURE, INLET FILTER CLEANING
	INLET FILTER



TREE REPLACEMENT

SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE	QUANTITY
A	IMPERIAL THORNLESS HONEYLOCUST	GLEDITSIA TRIACANTHOS VAR. INERMIS IMPERIAL	3" CALIPER	3
B	GREENSPIRE LITTLE LEAF LINDEN	TILIA CORDATA	3" CALIPER	4



Drawing file: W:\Projects_by_Village\Wetree\Plan\60014242 - North Ave Commuter Bicycle Path_Site\50-08 NORTH_AVE_40x60.dwg Sep 04, 2015 - 12:16pm

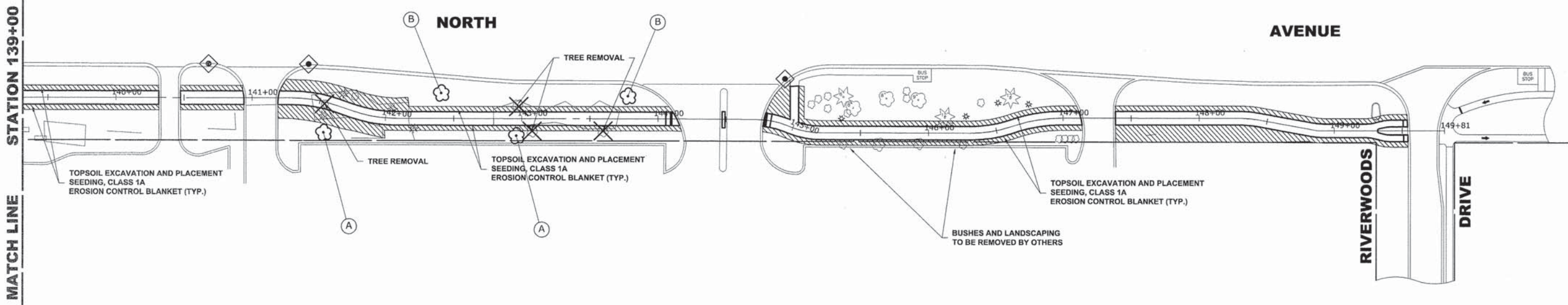
HANCOCK ENGINEERING
 100+ Years of Excellence
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-845-0300
 www.hancockeng.com

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL AND LANDSCAPING PLAN
 SCALE: 1" = 40'
 SHEET NO. 8 OF 9 SHEETS
 STA. 118+00 TO STA. 139+00

MS RTE. FAP 307	SECTION 08-00110-00-BT	COUNTY COOK	TOTAL SHEETS 155	SHEET NO. 57
FIELD BOOK NO. : GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

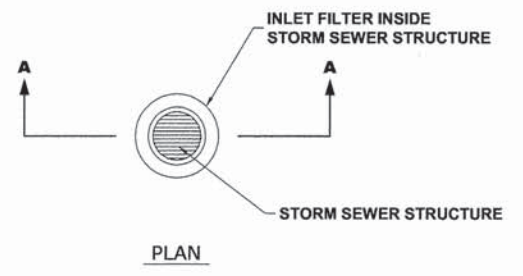
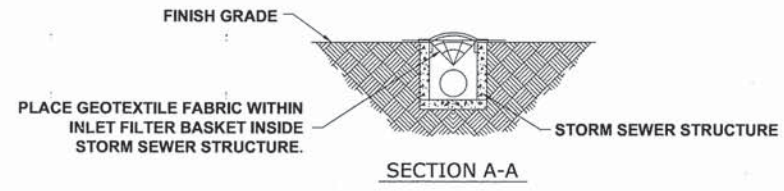


NOTES

1. SEE IDOT STANDARD 280001-07 FOR TEMPORARY EROSION CONTROL SYSTEMS.
2. THE CONTRACTOR SHALL ENSURE THAT ADJACENT PROPERTIES REMAIN PROTECTED FROM SEDIMENT DEPOSITION.
3. SOIL STOCKPILES SHALL BE PROTECTED WITH PERIMETER EROSION BARRIER OR OTHER EROSION PROTECTION SPECIFIED BY THE RESIDENT ENGINEER. THE COST SHALL BE INCLUDED IN THE UNIT PRICE FOR THE INDIVIDUAL SOIL MATERIALS.
4. WHEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY RUNOFF OR VEHICLE TRACKING ONTO THE PAVED SURFACE. THE PROVISIONS MAY INCLUDE SPRAYING VEHICLE WHEELS TO CLEAR SEDIMENT BEFORE EXITING THE CONSTRUCTION SITE OR OTHER MEASURES APPROVED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR THESE MEASURES.
5. THE COST OF ABOVE WORK WILL BE INCLUDED IN COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL)

LEGEND

SYMBOL	DESCRIPTION
◆	SEDIMENT CONTROL, DRAINAGE STRUCTURE, INLET FILTER CLEANING
◇	INLET FILTER



TREE REPLACEMENT

SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE	QUANTITY
A	IMPERIAL THORNLESS HONEYLOCUST	GLEDTISIA TRIACANTHOS VAR. INERMIS IMPERIAL	3" CALIPER	3
B	GREENSPIRE LITTLE LEAF LINDEN	TILIA CORDATA	3" CALIPER	4

Drawing file: W:\Projects_by_Village\Address_Park\60014242 - North Ave Commuter Bicycle Path_Site\30-06 NORTH_AVE_Alt\30x60.dwg Sep 04, 2015 - 12:17pm

HANCOCK ENGINEERING
 100+ Years of Excellence
 ♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911

9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-845-0300
 www.hancock.com

DESIGNED -	WOP	REVISED -	8-4-15 I.D.O.T. DMM
DRAWN -	DMM, MK	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	3-6-15	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL AND LANDSCAPING PLAN

SCALE: 1" = 40' SHEET NO. 9 OF 9 SHEETS STA. 139+00 TO STA. 149+50

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	58
FIELD BOOK NO. : GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

NOTES

1. SEE IDOT STANDARD 280001-07 FOR TEMPORARY EROSION CONTROL SYSTEMS.
2. THE CONTRACTOR SHALL ENSURE THAT ADJACENT PROPERTIES REMAIN PROTECTED FROM SEDIMENT DEPOSITION.
3. SOIL STOCKPILES SHALL BE PROTECTED WITH PERIMETER EROSION BARRIER OR OTHER EROSION PROTECTION SPECIFIED BY THE RESIDENT ENGINEER. THE COST SHALL BE INCLUDED IN THE UNIT PRICE FOR THE INDIVIDUAL SOIL MATERIALS.
4. WHEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY RUNOFF OR VEHICLE TRACKING ONTO THE PAVED SURFACE. THE PROVISIONS MAY INCLUDE SPRAYING VEHICLE WHEELS TO CLEAR SEDIMENT BEFORE EXITING THE CONSTRUCTION SITE OR OTHER MEASURES APPROVED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR THESE MEASURES.
5. INLET FILTERS SHALL BE PAID FOR UNDER THE PAY ITEM FOR INLET FILTERS. THE COST OF THE CONCRETE WASHOUTS SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
6. INLET FILTER SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED. FILTERS WILL BE INSPECTED WEEKLY AND THE CONTRACTOR WILL BE NOTIFIED OF ANY CORRECTIVE MEASURES THAT WILL BE REQUIRED TO BE MADE BY THE CONTRACTOR.

LEGEND

SYMBOL	DESCRIPTION
	INLET FILTER
	CONCRETE WASHOUT

Erosion and Sediment Control Plan

The existing land cover consists of paved streets with minor grass parkways located in a residential area. The areas adjacent to the project site are comprised of dense residential properties. Points of discharge to Jurisdictional Waters of the U.S. do not exist on this project. A flood protection area exists on a section of Forest Avenue. The proposed improvements will not increase the impervious area or result in the placement of fill in the flood protection area. We do not believe there are any areas susceptible to erosion or sedimentation due to these improvements. Soil data is not available but, past projects in the subject village conclude that the existing soil consists of clay with some minor silt and traces of sand.

Prior to any soil/pavement disturbance, inlet filter assemblies shall be installed as shown on plans.

The inlet filter, primary purpose is to trap sediment, required for this project will be a drop in inlet protection device similar to FLEXSTORM inlet filters. Inlet filters of this type have been used on past projects of similar size and scope and have had satisfactory results.

The inlet filter assembly shall be approved by the Engineer or Village prior to ordering and installation. The inlet filter shall be inspected weekly and after a 0.5 inch rain event by the Engineer. The Engineer will report any issues, via verbal or written communication, that need to be addressed by the Contractor.

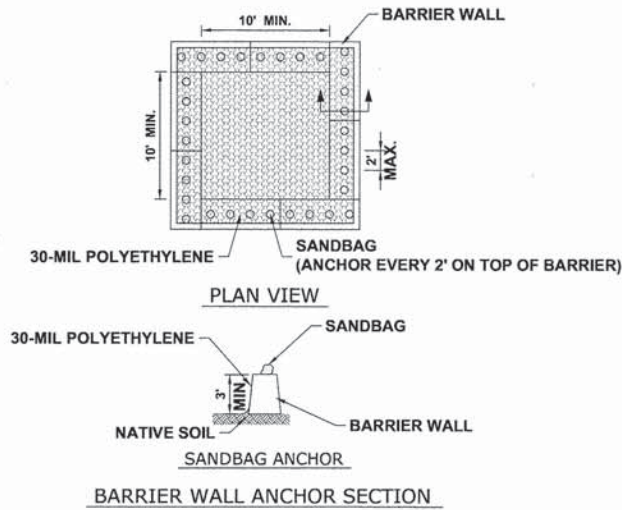
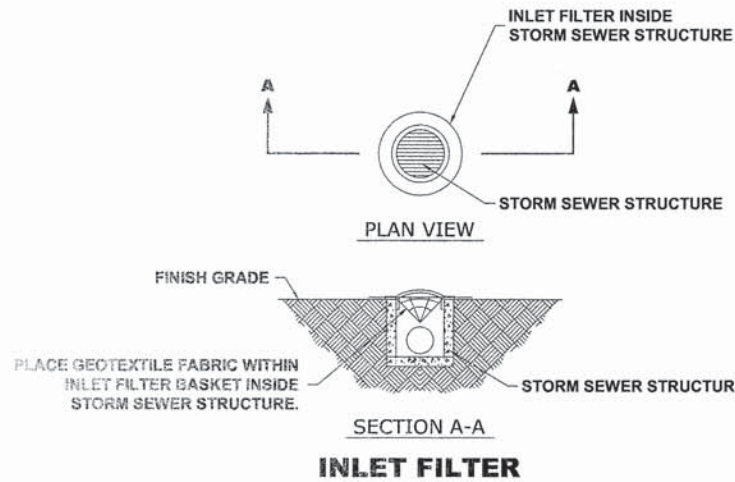
Maintenance of the proposed inlet filter will be per manufacture recommendations and will be done by the Contractor. Typical maintenance practices include inspection after a runoff event, sediment removal at 50% capacity, and repairs/replacement as needed.

Prior to any Portland Cement Concrete (PCC) pour, concrete washout boxes shall be installed as shown on plans or as directed by the Engineer.

Concrete washout boxes, primary purpose is to contain concrete liquids and prevent concrete liquid runoff from entering sewers or waterways, required for this project will consist of a barrier wall lined with 30-MIL polyethylene or an Engineer approved equal washout. Concrete washout boxes of this type have been used on past projects of similar size and scope and have had satisfactory results.

The plan for the concrete washout box shall be submitted and approved by the Engineer or Village prior to installation and will be inspected after installation. The washout box shall be inspected prior to a concrete pour and after a concrete pour by the Engineer. The Engineer will report any issues, via verbal or written communication, that need to be addressed by the Contractor.

Maintenance of the proposed concrete washout boxes will be done by the Contractor. Typical maintenance practices include replacing damaged liner, disposing of solidified concrete washout, and removal of any discharges within 24 hours.



NOTES

1. MAINTAINING TEMPORARY CONCRETE FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDEN CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.
2. FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.
3. THE ENGINEER SHALL DETERMINE THE LOCATION IN THE FIELD.
4. THIS ITEM WILL NOT BE PAID FOR SEPARATELY, BUT INCLUDED IN THE UNIT PRICES FOR THE RESPECTIVE CONCRETE ITEM.

CONCRETE WASHOUT

Drawing File: \\s:\Projects\By_Village\Waterse Park\60014242 - Natick Ave Concrete Barrier - Boyds Park_Site\30-08-15\2015-08-15\08-15-15\08-15-15.dwg Aug 04, 2015 - 8:21am

HANCOCK ENGINEERING
 100+ Years of Excellence
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-845-0300
 www.hancock.com

DESIGNED -	WOP	REVISED -	8-4-15 I.D.O.T. DMM
DRAWN -	DMM, MK	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	3-6-15	REVISED -	

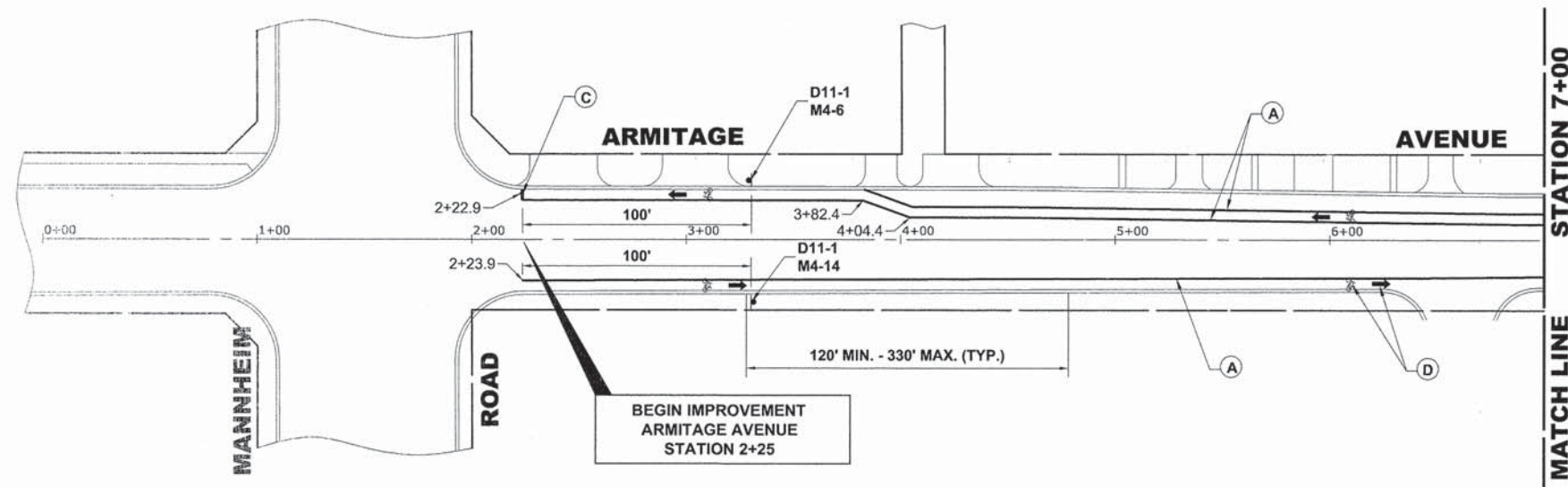
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL AND LANDSCAPING
 DETAILS AND NOTES**

SCALE: 1" = 40'

SHEET NO. 1 OF 1 SHEETS STA. TO STA.

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	59
FIELD BOOK NO. : GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		



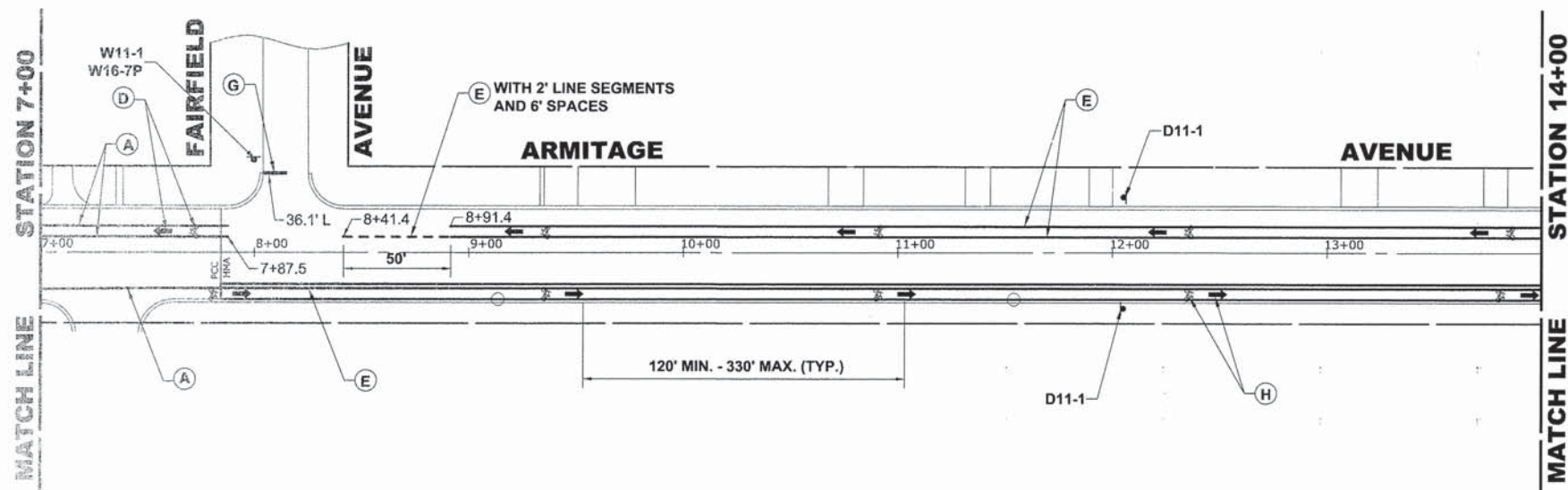
NOTE:

- VILLAGE MISCELLANEOUS (SPECIALTY) SIGNS ARE TO BE REMOVED BY THE THE CONTRACTOR PRIOR TO CONSTRUCTION. AS DESIGNATED BY ENGINEER, THE CONTRACTOR SHALL REINSTALL SIGNS AFTER COMPLETION OF PROJECT. REMOVAL AND NEW REPLACEMENT OF VILLAGE MISCELLANEOUS (SPECIALTY) SIGNS AND THEIR POSTS ARE TO BE DETERMINED BY THE ENGINEER. (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN " OR "SIGN PANEL - TYPE 1" AND "METAL POST - TYPE I" PAY ITEM)
- STREET NAME SIGNS AND POSTS ARE TO BE REMOVED BY CONTRACTOR AT THE BEGINNING OF CONSTRUCTION, SAFELY STORED BY THE CONTRACTOR AND REINSTALLED BY THE CONTRACTOR AT THE COMPLETION OF THE PROJECT (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN" PAY ITEM)
- ALL POSTS TO BE TYPE A UNLESS OTHERWISE NOTED.
- CONTRACTOR TO VERIFY LOCATIONS OF ALL SIGNAGE.
- CONTRACTOR TO CONTACT PACE TO COORDINATE PICK-UP OF THEIR SIGNS AND POSTS AT BEGINNING OF CONSTRUCTION. IF PACE DOES NOT PICK UP SIGNS, CONTRACTOR IS RESPONSIBLE FOR REMOVING AND STORING SIGNS AND POSTS WITHOUT DAMAGE TO THEM. (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN" PAY ITEM).
- D11-1 SPACED AT 1/4 MILE (1320') AND AT MAJOR INTERSECTIONS.
- THE EDGE OF ALL SIGNS SHALL BE A MINIMUM OF TWO FEET (2') FROM THE EDGE OF THE PATH AND THE BOTTOM OF THE SIGN SHALL BE MOUNTED A MINIMUM OF FOUR FEET (4') ABOVE THE PATH.

ITEM DESCRIPTION

SYMBOL

POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6", WHITE	A
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 12", WHITE	B
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 24", STOP BAR, WHITE	C
POLYUREA PAVEMENT MARKING TYPE 1 - LETTERS & SYMBOLS, WHITE	D
THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE	E
THERMOPLASTIC PAVEMENT MARKING - LINE 12", WHITE	F
THERMOPLASTIC PAVEMENT MARKING - LINE 24", STOP BAR, WHITE	G
THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS, WHITE	H
PAVEMENT MARKING REMOVAL	I
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6", YELLOW	J
THERMOPLASTIC PAVEMENT MARKING - LINE 6", YELLOW	K
REMOVE AND RE-ERECT EXISTING SIGNS	L



HANCOCK ENGINEERING
 100+ Years of Excellence
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-645-0300
 www.hancock.com

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

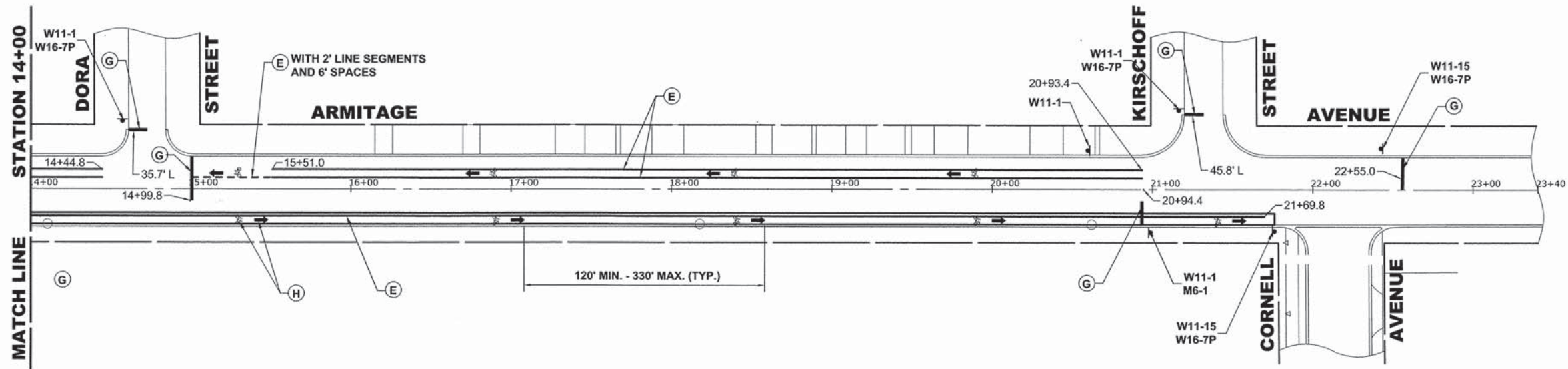
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 40' SHEET NO. 1 OF 9 SHEETS STA. 0+00 TO STA. 14+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	60
FIELD BOOK NO. : GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

Drawing file: \\projects_by_village\velrose\proj\60014242 - North Ave Commuter Bicycle Path_Site\30-05 NORTH_AVE_Marketing.dwg Aug 04, 2015 - 8:35am



NOTE:

- VILLAGE MISCELLANEOUS (SPECIALTY) SIGNS ARE TO BE REMOVED BY THE THE CONTRACTOR PRIOR TO CONSTRUCTION. AS DESIGNATED BY ENGINEER, THE CONTRACTOR SHALL REINSTALL SIGNS AFTER COMPLETION OF PROJECT. REMOVAL AND NEW REPLACEMENT OF VILLAGE MISCELLANEOUS (SPECIALTY) SIGNS AND THEIR POSTS ARE TO BE DETERMINED BY THE ENGINEER. (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN " OR "SIGN PANEL - TYPE 1" AND "METAL POST - TYPE I" PAY ITEM)
- STREET NAME SIGNS AND POSTS ARE TO BE REMOVED BY CONTRACTOR AT THE BEGINNING OF CONSTRUCTION, SAFELY STORED BY THE CONTRACTOR AND REINSTALLED BY THE CONTRACTOR AT THE COMPLETION OF THE PROJECT (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN" PAY ITEM)
- ALL POSTS TO BE TYPE A UNLESS OTHERWISE NOTED.
- CONTRACTOR TO VERIFY LOCATIONS OF ALL SIGNAGE.
- CONTRACTOR TO CONTACT PACE TO COORDINATE PICK-UP OF THEIR SIGNS AND POSTS AT BEGINNING OF CONSTRUCTION. IF PACE DOES NOT PICK UP SIGNS, CONTRACTOR IS RESPONSIBLE FOR REMOVING AND STORING SIGNS AND POSTS WITHOUT DAMAGE TO THEM. (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN" PAY ITEM).
- D11-1 SPACED AT 1/4 MILE (1320') AND AT MAJOR INTERSECTIONS.
- THE EDGE OF ALL SIGNS SHALL BE A MINIMUM OF TWO FEET (2') FROM THE EDGE OF THE PATH AND THE BOTTOM OF THE SIGN SHALL BE MOUNTED A MINIMUM OF FOUR FEET (4') ABOVE THE PATH.

ITEM DESCRIPTION

SYMBOL

POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6", WHITE	A
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 12", WHITE	B
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 24", STOP BAR, WHITE	C
POLYUREA PAVEMENT MARKING TYPE 1 - LETTERS & SYMBOLS, WHITE	D
THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE	E
THERMOPLASTIC PAVEMENT MARKING - LINE 12", WHITE	F
THERMOPLASTIC PAVEMENT MARKING - LINE 24", STOP BAR, WHITE	G
THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS, WHITE	H
PAVEMENT MARKING REMOVAL	I
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6", YELLOW	J
THERMOPLASTIC PAVEMENT MARKING - LINE 6", YELLOW	K
REMOVE AND RE-ERECT EXISTING SIGNS	L

Drawing file: W:\Projects_by_Village\Melrose Park\60014242 - North Ave Commuter Bicycle Path\Site\50-68 NORTH_AVE_40acalia.dwg Sep 23, 2015 - 10:59am

HANCOCK ENGINEERING
 100 Years of Excellence
 ♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911

9933 Rostovell Road
 Westchester, IL 60154-2780
 Phone: 708-865-0300
 www.ethancock.com

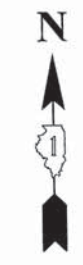
DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

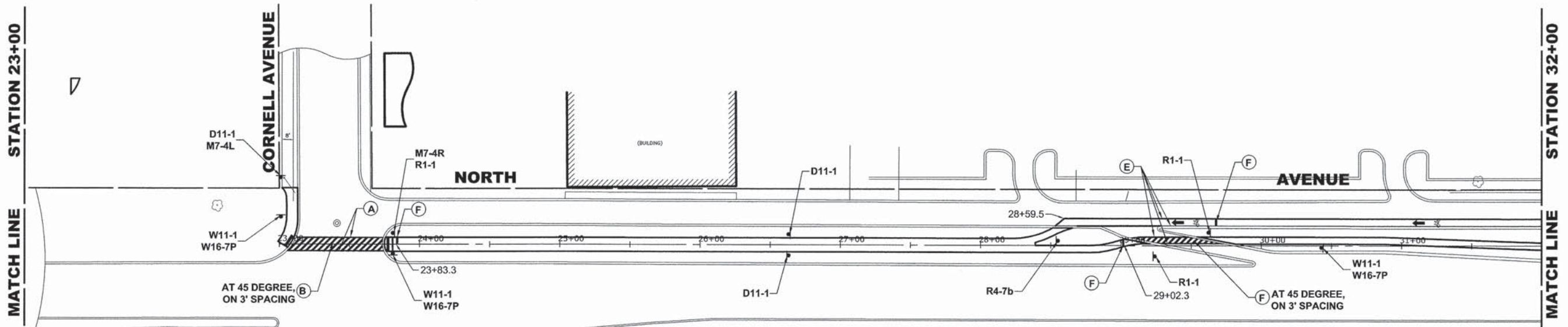
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 40' SHEET NO. 2 OF 9 SHEETS STA. 14+00 TO STA. 23+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	61
FIELD BOOK NO.: GPS		CONTRACT NO. 61B78		





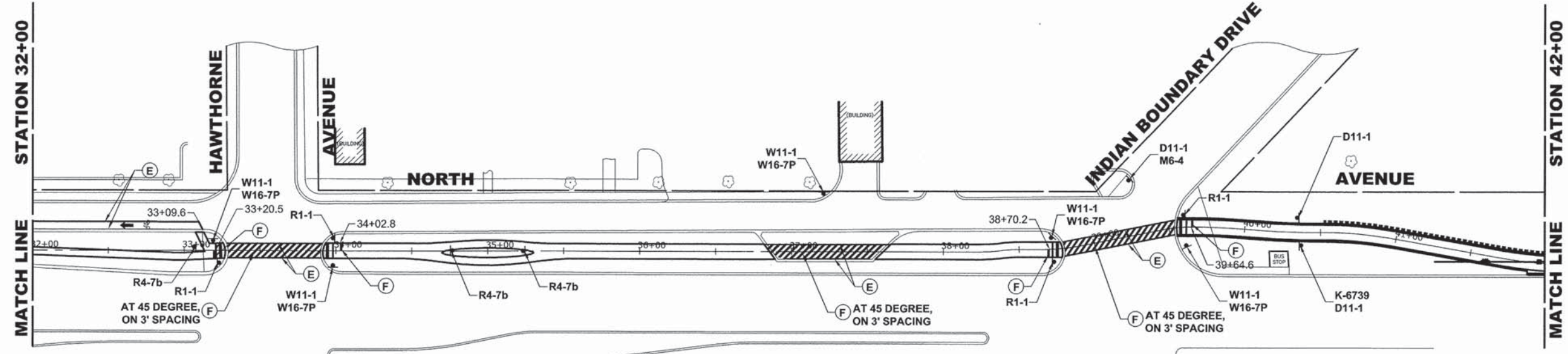
NOTE:

- VILLAGE MISCELLANEOUS (SPECIALTY) SIGNS ARE TO BE REMOVED BY THE THE CONTRACTOR PRIOR TO CONSTRUCTION. AS DESIGNATED BY ENGINEER, THE CONTRACTOR SHALL REINSTALL SIGNS AFTER COMPLETION OF PROJECT. REMOVAL AND NEW REPLACEMENT OF VILLAGE MISCELLANEOUS (SPECIALTY) SIGNS AND THEIR POSTS ARE TO BE DETERMINED BY THE ENGINEER. (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN " OR "SIGN PANEL - TYPE 1" AND "METAL POST - TYPE I" PAY ITEM)
- STREET NAME SIGNS AND POSTS ARE TO BE REMOVED BY CONTRACTOR AT THE BEGINNING OF CONSTRUCTION, SAFELY STORED BY THE CONTRACTOR AND REINSTALLED BY THE CONTRACTOR AT THE COMPLETION OF THE PROJECT (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN" PAY ITEM)
- ALL POSTS TO BE TYPE A UNLESS OTHERWISE NOTED.
- CONTRACTOR TO VERIFY LOCATIONS OF ALL SIGNAGE.
- CONTRACTOR TO CONTACT PACE TO COORDINATE PICK-UP OF THEIR SIGNS AND POSTS AT BEGINNING OF CONSTRUCTION. IF PACE DOES NOT PICK UP SIGNS, CONTRACTOR IS RESPONSIBLE FOR REMOVING AND STORING SIGNS AND POSTS WITHOUT DAMAGE TO THEM. (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN" PAY ITEM).
- D11-1 SPACED AT 1/4 MILE (1320') AND AT MAJOR INTERSECTIONS.
- THE EDGE OF ALL SIGNS SHALL BE A MINIMUM OF TWO FEET (2') FROM THE EDGE OF THE PATH AND THE BOTTOM OF THE SIGN SHALL BE MOUNTED A MINIMUM OF FOUR FEET (4') ABOVE THE PATH.

ITEM DESCRIPTION

SYMBOL

POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6", WHITE	A
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 12", WHITE	B
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 24", STOP BAR, WHITE	C
POLYUREA PAVEMENT MARKING TYPE 1 - LETTERS & SYMBOLS, WHITE	D
THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE	E
THERMOPLASTIC PAVEMENT MARKING - LINE 12", WHITE	F
THERMOPLASTIC PAVEMENT MARKING - LINE 24", STOP BAR, WHITE	G
THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS, WHITE	H
PAVEMENT MARKING REMOVAL	I
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6", YELLOW	J
THERMOPLASTIC PAVEMENT MARKING - LINE 6", YELLOW	K
REMOVE AND RE-ERECT EXISTING SIGNS	L



Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Roosevelt Road
 Westchester, IL 60154-0780
 Phone: 708-865-0300
 www.hancockeng.com

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

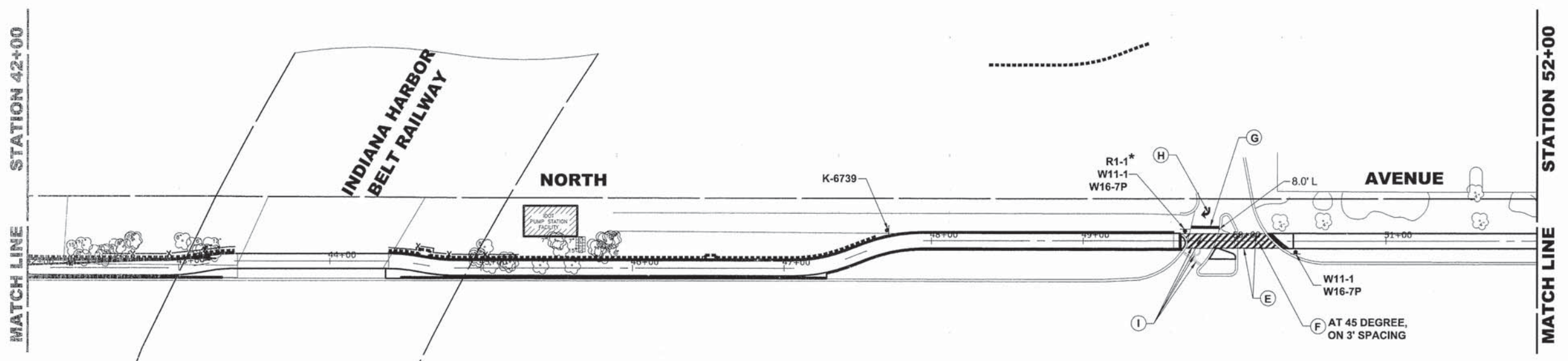
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 40' SHEET NO. 3 OF 9 SHEETS STA. 23+00 TO STA. 42+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	62
FIELD BOOK NO. : GPS		CONTRACT NO. 61B78		
ILLINOIS FED. AID PROJECT				

Drawing file: W:\Projects_by_Village\Wenrose Park\60014242 - North Ave Commuter Bicycle Path\Site\50-68 NORTH_AVE_40pcola.dwg Sep 23, 2015 - 11:34am



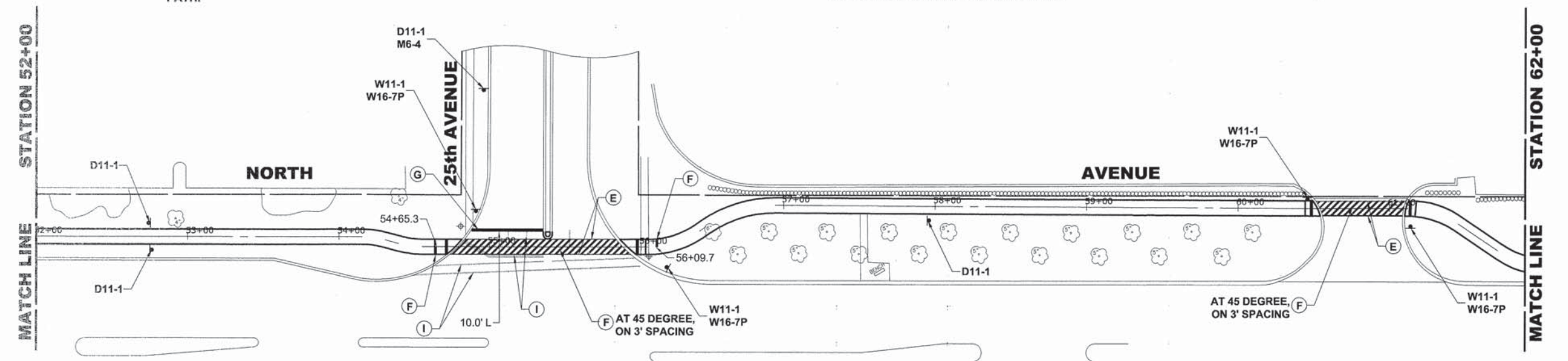
NOTE:

- VILLAGE MISCELLANEOUS (SPECIALTY) SIGNS ARE TO BE REMOVED BY THE THE CONTRACTOR PRIOR TO CONSTRUCTION. AS DESIGNATED BY ENGINEER, THE CONTRACTOR SHALL REINSTALL SIGNS AFTER COMPLETION OF PROJECT. REMOVAL AND NEW REPLACEMENT OF VILLAGE MISCELLANEOUS (SPECIALTY) SIGNS AND THEIR POSTS ARE TO BE DETERMINED BY THE ENGINEER. (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN " OR "SIGN PANEL - TYPE 1" AND "METAL POST - TYPE I" PAY ITEM)
- STREET NAME SIGNS AND POSTS ARE TO BE REMOVED BY CONTRACTOR AT THE BEGINNING OF CONSTRUCTION, SAFELY STORED BY THE CONTRACTOR AND REINSTALLED BY THE CONTRACTOR AT THE COMPLETION OF THE PROJECT (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN" PAY ITEM)
- ALL POSTS TO BE TYPE A UNLESS OTHERWISE NOTED.
- CONTRACTOR TO VERIFY LOCATIONS OF ALL SIGNAGE.
- CONTRACTOR TO CONTACT PACE TO COORDINATE PICK-UP OF THEIR SIGNS AND POSTS AT BEGINNING OF CONSTRUCTION. IF PACE DOES NOT PICK UP SIGNS, CONTRACTOR IS RESPONSIBLE FOR REMOVING AND STORING SIGNS AND POSTS WITHOUT DAMAGE TO THEM. (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN" PAY ITEM).
- D11-1 SPACED AT 1/4 MILE (1320') AND AT MAJOR INTERSECTIONS.
- THE EDGE OF ALL SIGNS SHALL BE A MINIMUM OF TWO FEET (2') FROM THE EDGE OF THE PATH AND THE BOTTOM OF THE SIGN SHALL BE MOUNTED A MINIMUM OF FOUR FEET (4') ABOVE THE PATH.

ITEM DESCRIPTION

SYMBOL

POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6", WHITE	A
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 12", WHITE	B
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 24", STOP BAR, WHITE	C
POLYUREA PAVEMENT MARKING TYPE 1 - LETTERS & SYMBOLS, WHITE	D
THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE	E
THERMOPLASTIC PAVEMENT MARKING - LINE 12", WHITE	F
THERMOPLASTIC PAVEMENT MARKING - LINE 24", STOP BAR, WHITE	G
THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS, WHITE	H
PAVEMENT MARKING REMOVAL	I
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6", YELLOW	J
THERMOPLASTIC PAVEMENT MARKING - LINE 6", YELLOW	K
REMOVE AND RE-ERECT EXISTING SIGNS	L



HANCOCK ENGINEERING
 100+ Years of Excellence
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-845-0300
 www.hancock.com

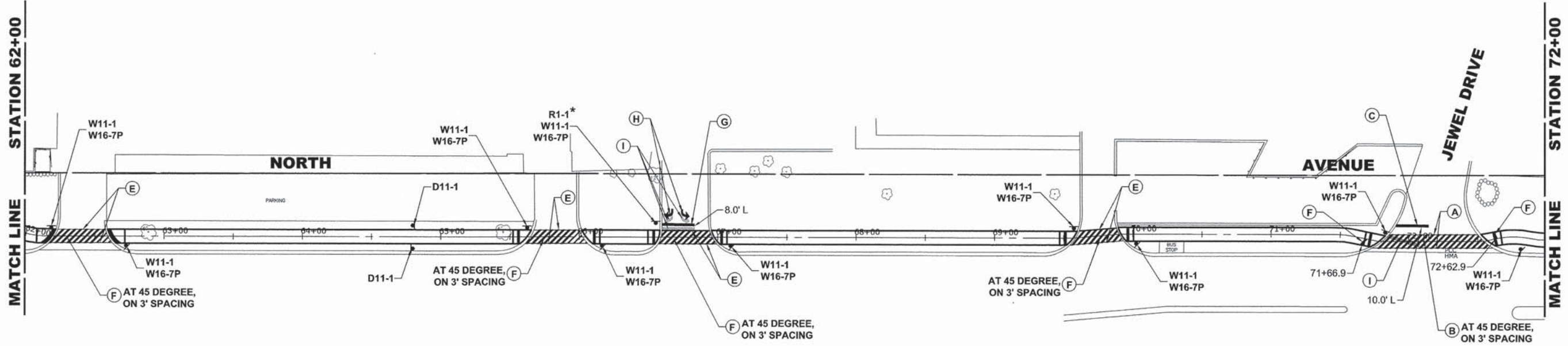
DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING PLAN
 SCALE: 1" = 40'
 SHEET NO. 4 OF 9 SHEETS
 STA. 42+00 TO STA. 62+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	63
FIELD BOOK NO.: GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

Drawing: C:\Projects\by_Village\Wenona Park\60014242 - North Ave. Commuter Bicycle Path\515-05-08 NORTH_AVE_Markings.dwg Aug 04, 2015 - 8:36am



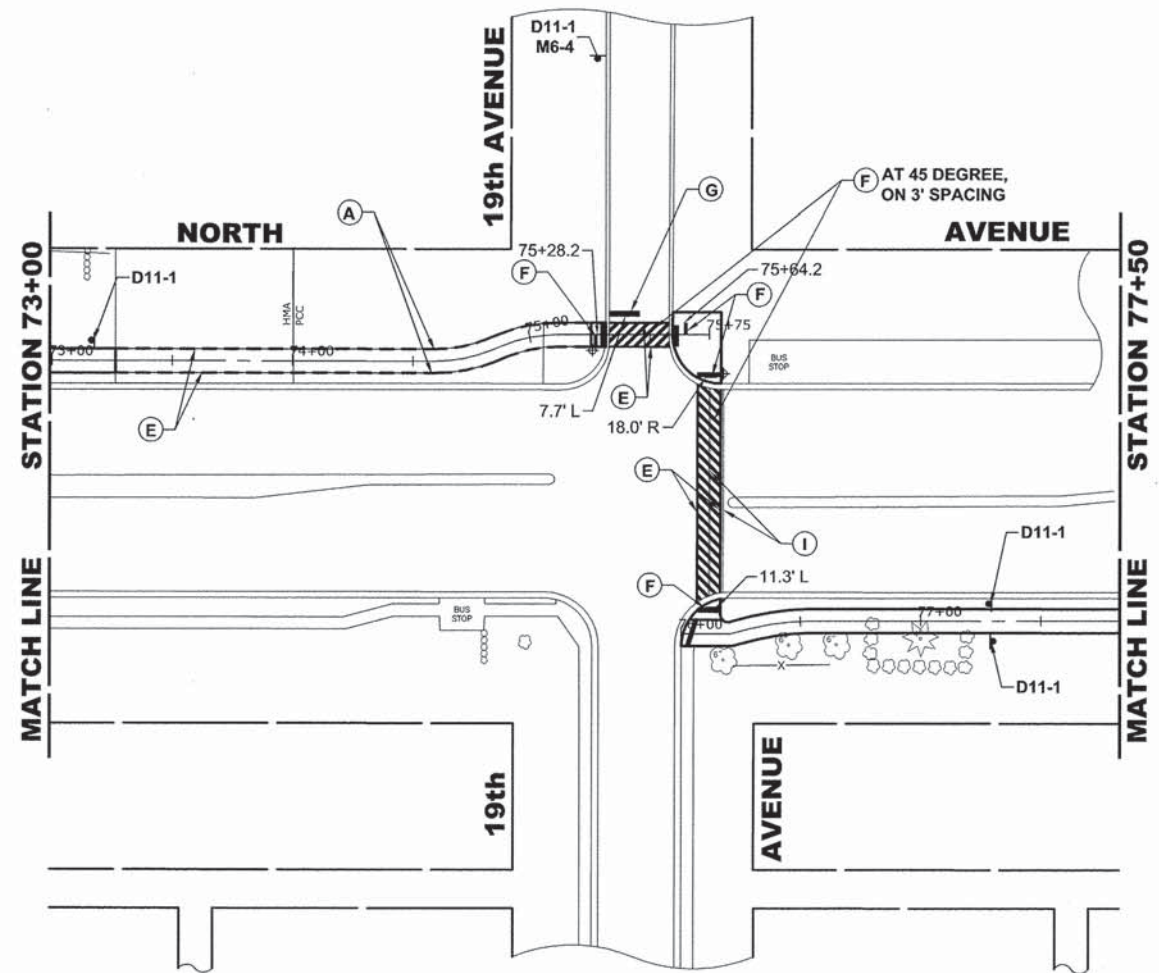
NOTE:

- VILLAGE MISCELLANEOUS (SPECIALTY) SIGNS ARE TO BE REMOVED BY THE THE CONTRACTOR PRIOR TO CONSTRUCTION. AS DESIGNATED BY ENGINEER, THE CONTRACTOR SHALL REINSTALL SIGNS AFTER COMPLETION OF PROJECT. REMOVAL AND NEW REPLACEMENT OF VILLAGE MISCELLANEOUS (SPECIALTY) SIGNS AND THEIR POSTS ARE TO BE DETERMINED BY THE ENGINEER. (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN " OR "SIGN PANEL - TYPE 1" AND "METAL POST - TYPE I" PAY ITEM)
- STREET NAME SIGNS AND POSTS ARE TO BE REMOVED BY CONTRACTOR AT THE BEGINNING OF CONSTRUCTION, SAFELY STORED BY THE CONTRACTOR AND REINSTALLED BY THE CONTRACTOR AT THE COMPLETION OF THE PROJECT (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN" PAY ITEM)
- ALL POSTS TO BE TYPE A UNLESS OTHERWISE NOTED.
- CONTRACTOR TO VERIFY LOCATIONS OF ALL SIGNAGE.
- CONTRACTOR TO CONTACT PACE TO COORDINATE PICK-UP OF THEIR SIGNS AND POSTS AT BEGINNING OF CONSTRUCTION. IF PACE DOES NOT PICK UP SIGNS, CONTRACTOR IS RESPONSIBLE FOR REMOVING AND STORING SIGNS AND POSTS WITHOUT DAMAGE TO THEM. (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN" PAY ITEM).
- D11-1 SPACED AT 1/4 MILE (1320') AND AT MAJOR INTERSECTIONS.
- THE EDGE OF ALL SIGNS SHALL BE A MINIMUM OF TWO FEET (2') FROM THE EDGE OF THE PATH AND THE BOTTOM OF THE SIGN SHALL BE MOUNTED A MINIMUM OF FOUR FEET (4') ABOVE THE PATH.

ITEM DESCRIPTION

SYMBOL

POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6", WHITE	A
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 12", WHITE	B
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 24", STOP BAR, WHITE	C
POLYUREA PAVEMENT MARKING TYPE 1 - LETTERS & SYMBOLS, WHITE	D
THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE	E
THERMOPLASTIC PAVEMENT MARKING - LINE 12", WHITE	F
THERMOPLASTIC PAVEMENT MARKING - LINE 24", STOP BAR, WHITE	G
THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS, WHITE	H
PAVEMENT MARKING REMOVAL	I
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6", YELLOW	J
THERMOPLASTIC PAVEMENT MARKING - LINE 6", YELLOW	K
REMOVE AND RE-ERECT EXISTING SIGNS	L



HANCOCK ENGINEERING
 100 Years of Excellence
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-645-0300
 www.hancock.com

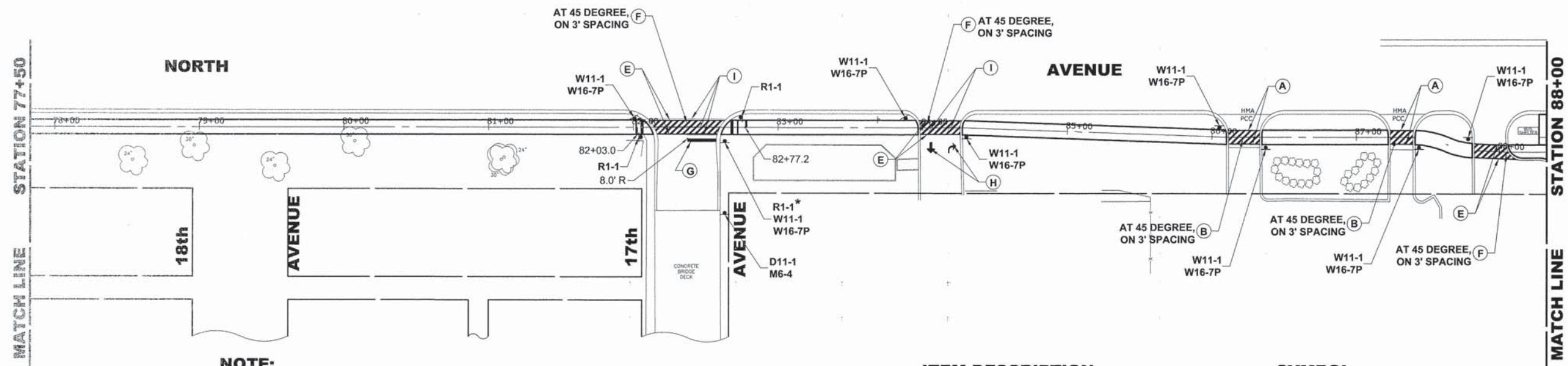
DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING PLAN
 SCALE: 1" = 40'
 SHEET NO. 5 OF 9 SHEETS
 STA. 62+00 TO STA. 77+50

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	64
FIELD BOOK NO.: GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

Drawing file: W:\Projects_by_Village\Wenrose Park\60014242 - North Ave Commuter Bicycle Path\Site\50-68 NORTH_AVE_40scote.dwg Sep 23, 2015 - 11:32am



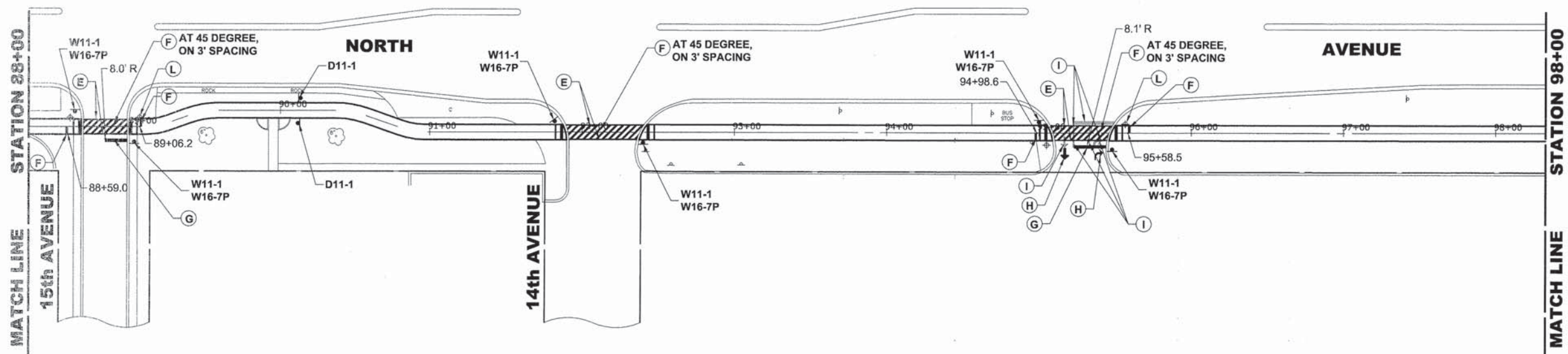
NOTE:

1. VILLAGE MISCELLANEOUS (SPECIALTY) SIGNS ARE TO BE REMOVED BY THE THE CONTRACTOR PRIOR TO CONSTRUCTION. AS DESIGNATED BY ENGINEER, THE CONTRACTOR SHALL REINSTALL SIGNS AFTER COMPLETION OF PROJECT. REMOVAL AND NEW REPLACEMENT OF VILLAGE MISCELLANEOUS (SPECIALTY) SIGNS AND THEIR POSTS ARE TO BE DETERMINED BY THE ENGINEER. (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN " OR "SIGN PANEL - TYPE 1" AND "METAL POST - TYPE I" PAY ITEM)
2. STREET NAME SIGNS AND POSTS ARE TO BE REMOVED BY CONTRACTOR AT THE BEGINNING OF CONSTRUCTION, SAFELY STORED BY THE CONTRACTOR AND REINSTALLED BY THE CONTRACTOR AT THE COMPLETION OF THE PROJECT (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN" PAY ITEM)
3. ALL POSTS TO BE TYPE A UNLESS OTHERWISE NOTED.
4. CONTRACTOR TO VERIFY LOCATIONS OF ALL SIGNAGE.
5. CONTRACTOR TO CONTACT PACE TO COORDINATE PICK-UP OF THEIR SIGNS AND POSTS AT BEGINNING OF CONSTRUCTION. IF PACE DOES NOT PICK UP SIGNS, CONTRACTOR IS RESPONSIBLE FOR REMOVING AND STORING SIGNS AND POSTS WITHOUT DAMAGE TO THEM. (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN" PAY ITEM).
6. D11-1 SPACED AT 1/4 MILE (1320') AND AT MAJOR INTERSECTIONS.
7. THE EDGE OF ALL SIGNS SHALL BE A MINIMUM OF TWO FEET (2') FROM THE EDGE OF THE PATH AND THE BOTTOM OF THE SIGN SHALL BE MOUNTED A MINIMUM OF FOUR FEET (4') ABOVE THE PATH.

ITEM DESCRIPTION

SYMBOL

POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6", WHITE	A
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 12", WHITE	B
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 24", STOP BAR, WHITE	C
POLYUREA PAVEMENT MARKING TYPE 1 - LETTERS & SYMBOLS, WHITE	D
THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE	E
THERMOPLASTIC PAVEMENT MARKING - LINE 12", WHITE	F
THERMOPLASTIC PAVEMENT MARKING - LINE 24", STOP BAR, WHITE	G
THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS, WHITE	H
PAVEMENT MARKING REMOVAL	I
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6", YELLOW	J
THERMOPLASTIC PAVEMENT MARKING - LINE 6", YELLOW	K
REMOVE AND RE-ERECT EXISTING SIGNS	L



9933 Roosevelt Road
Waukegan, IL 60154-2780
Phone: 708-865-0300
www.hancock.com

◆ Civil Engineers
◆ Municipal Consultants
◆ Established 1911

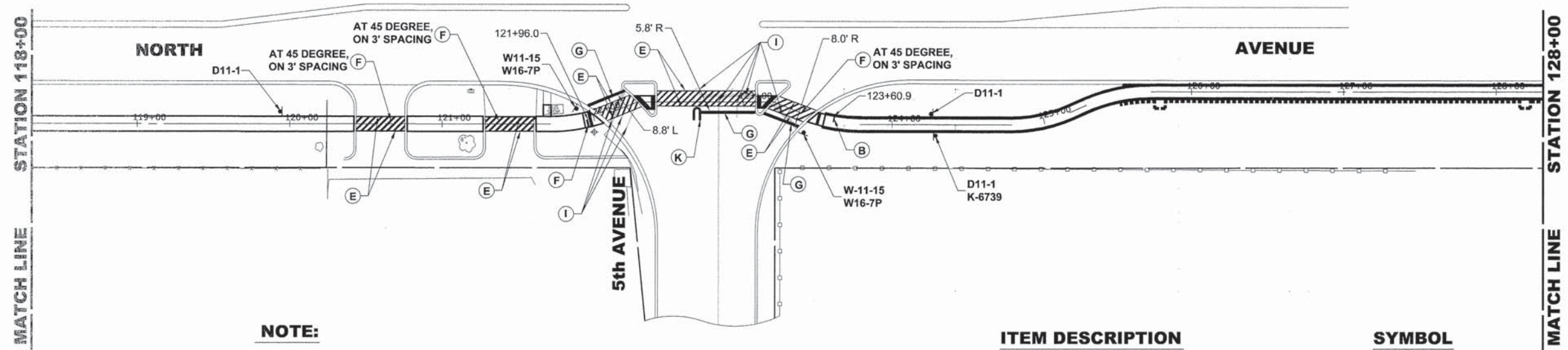
DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 40' SHEET NO. 6 OF 9 SHEETS STA. 77+50 TO STA. 98+00

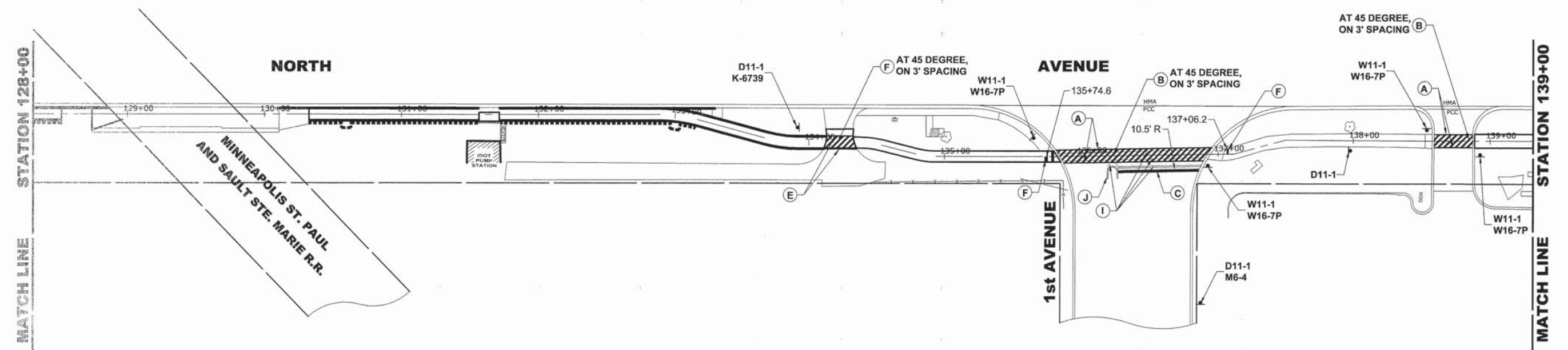
MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	65
FIELD BOOK NO. : GPS			CONTRACT NO. 61B78	
ILLINOIS			FED. AID PROJECT	



NOTE:

- VILLAGE MISCELLANEOUS (SPECIALTY) SIGNS ARE TO BE REMOVED BY THE THE CONTRACTOR PRIOR TO CONSTRUCTION. AS DESIGNATED BY ENGINEER, THE CONTRACTOR SHALL REINSTALL SIGNS AFTER COMPLETION OF PROJECT. REMOVAL AND NEW REPLACEMENT OF VILLAGE MISCELLANEOUS (SPECIALTY) SIGNS AND THEIR POSTS ARE TO BE DETERMINED BY THE ENGINEER. (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN " OR "SIGN PANEL - TYPE 1" AND "METAL POST - TYPE I" PAY ITEM)
- STREET NAME SIGNS AND POSTS ARE TO BE REMOVED BY CONTRACTOR AT THE BEGINNING OF CONSTRUCTION, SAFELY STORED BY THE CONTRACTOR AND REINSTALLED BY THE CONTRACTOR AT THE COMPLETION OF THE PROJECT (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN" PAY ITEM)
- ALL POSTS TO BE TYPE A UNLESS OTHERWISE NOTED.
- CONTRACTOR TO VERIFY LOCATIONS OF ALL SIGNAGE.
- CONTRACTOR TO CONTACT PACE TO COORDINATE PICK-UP OF THEIR SIGNS AND POSTS AT BEGINNING OF CONSTRUCTION. IF PACE DOES NOT PICK UP SIGNS, CONTRACTOR IS RESPONSIBLE FOR REMOVING AND STORING SIGNS AND POSTS WITHOUT DAMAGE TO THEM. (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN" PAY ITEM).
- D11-1 SPACED AT 1/4 MILE (1320') AND AT MAJOR INTERSECTIONS.
- THE EDGE OF ALL SIGNS SHALL BE A MINIMUM OF TWO FEET (2') FROM THE EDGE OF THE PATH AND THE BOTTOM OF THE SIGN SHALL BE MOUNTED A MINIMUM OF FOUR FEET (4') ABOVE THE PATH.

ITEM DESCRIPTION	SYMBOL
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6", WHITE	A
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 12", WHITE	B
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 24", STOP BAR, WHITE	C
POLYUREA PAVEMENT MARKING TYPE 1 - LETTERS & SYMBOLS, WHITE	D
THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE	E
THERMOPLASTIC PAVEMENT MARKING - LINE 12", WHITE	F
THERMOPLASTIC PAVEMENT MARKING - LINE 24", STOP BAR, WHITE	G
THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS, WHITE	H
PAVEMENT MARKING REMOVAL	I
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6", YELLOW	J
THERMOPLASTIC PAVEMENT MARKING - LINE 6", YELLOW	K
REMOVE AND RE-ERECT EXISTING SIGNS	L



Drawing file: W:\Projects\by_Village\Maines\Plan\60014242 - North Ave Commuter Route\Site\60-88 NORTH_AVE.dwg Aug 04, 2015 - 8:37am

HANCOCK ENGINEERING
 100+ Years of Excellence
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-845-0300
 www.hancock.com

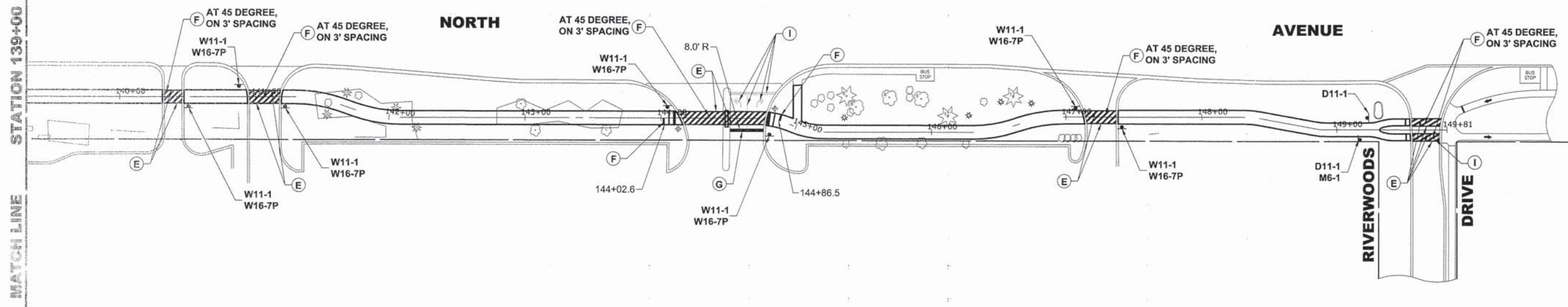
DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 40' SHEET NO. 8 OF 9 SHEETS STA. 118+00 TO STA. 139+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	67
FIELD BOOK NO.: GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		



NOTE:

1. VILLAGE MISCELLANEOUS (SPECIALTY) SIGNS ARE TO BE REMOVED BY THE THE CONTRACTOR PRIOR TO CONSTRUCTION. AS DESIGNATED BY ENGINEER, THE CONTRACTOR SHALL REINSTALL SIGNS AFTER COMPLETION OF PROJECT. REMOVAL AND NEW REPLACEMENT OF VILLAGE MISCELLANEOUS (SPECIALTY) SIGNS AND THEIR POSTS ARE TO BE DETERMINED BY THE ENGINEER. (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN " OR "SIGN PANEL - TYPE 1" AND "METAL POST - TYPE I" PAY ITEM)
2. STREET NAME SIGNS AND POSTS ARE TO BE REMOVED BY CONTRACTOR AT THE BEGINNING OF CONSTRUCTION, SAFELY STORED BY THE CONTRACTOR AND REINSTALLED BY THE CONTRACTOR AT THE COMPLETION OF THE PROJECT (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN" PAY ITEM)
3. ALL POSTS TO BE TYPE A UNLESS OTHERWISE NOTED.
4. CONTRACTOR TO VERIFY LOCATIONS OF ALL SIGNAGE.
5. CONTRACTOR TO CONTACT PACE TO COORDINATE PICK-UP OF THEIR SIGNS AND POSTS AT BEGINNING OF CONSTRUCTION. IF PACE DOES NOT PICK UP SIGNS, CONTRACTOR IS RESPONSIBLE FOR REMOVING AND STORING SIGNS AND POSTS WITHOUT DAMAGE TO THEM. (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN" PAY ITEM).
6. D11-1 SPACED AT 1/4 MILE (1320') AND AT MAJOR INTERSECTIONS.
7. THE EDGE OF ALL SIGNS SHALL BE A MINIMUM OF TWO FEET (2') FROM THE EDGE OF THE PATH AND THE BOTTOM OF THE SIGN SHALL BE MOUNTED A MINIMUM OF FOUR FEET (4') ABOVE THE PATH.

ITEM DESCRIPTION

SYMBOL

POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6", WHITE	A
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 12", WHITE	B
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 24", STOP BAR, WHITE	C
POLYUREA PAVEMENT MARKING TYPE 1 - LETTERS & SYMBOLS, WHITE	D
THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE	E
THERMOPLASTIC PAVEMENT MARKING - LINE 12", WHITE	F
THERMOPLASTIC PAVEMENT MARKING - LINE 24", STOP BAR, WHITE	G
THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS, WHITE	H
PAVEMENT MARKING REMOVAL	I
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6", YELLOW	J
THERMOPLASTIC PAVEMENT MARKING - LINE 6", YELLOW	K
REMOVE AND RE-ERECT EXISTING SIGNS	L

Drawing File: W:\projects\by_w\hogan\mexico\hwy\03-08\03-08 NORTH_AVE_Markings.dwg
 Date: 08/06/2013 09:23:00 AM
 User: jggs

HANCOCK ENGINEERING
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-665-0300
 www.hancock.com

DESIGNED -	WOP	REVISED -	8-4-15 I.D.O.T. DMM
DRAWN -	DMM, MK	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	3-6-15	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

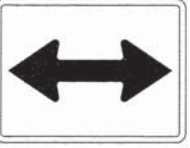






PAVEMENT MARKING AND SIGNING PLAN
 SCALE: 1" = 40'
 SHEET NO. 9 OF 9 SHEETS
 STA. 139+00 TO STA. 149+50

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	68
FIELD BOOK NO.: GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

BIKE SIGNAGE

SIGN	MUTCD CODE	SIZE	DESCRIPTION
	D11-1	24" x 18"	BIKE ROUTE
	K-6739	12" x 18"	DISMOUNT BIKES
	W11-1	30" x 30"	BIKE CROSSING
	W11-15	18" x 18"	BIKE AND PEDESTRIAN CROSSING
	R1-1	18" x 18"	STOP
	R4-7b	12" x 18"	KEEP RIGHT
	M4-14	12" x 6"	BEGIN
	M4-6	12" x 6"	END

BIKE SIGNAGE

SIGN	MUTCD CODE	SIZE	DESCRIPTION
	M6-4	12" x 9"	DIRECTIONAL ARROW
	M6-1	12" x 9"	DIRECTIONAL ARROW
	M6-1	12" x 9"	DIRECTIONAL ARROW
	M7-4L	24" x 18"	DIRECTIONAL ARROW
	M7-4R	24" x 18"	DIRECTIONAL ARROW
	W16-7P	24" x 12"	DOWNWARD DIAGONAL ARROW
	R1-1 *	36" x 36"	STOP

Drawing file: R:\Projects_2015\14242 - North Ave Commuter Bicycle Plan\09 Bike_Signage.dwg Aug 03, 2015 - 4:10pm

HANCOCK ENGINEERING
 100 Years of Excellence
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Roosevelt Road
 Westchester, IL 60154-2780
 Phone: 708-865-0300
 www.hancock.com

DESIGNED - WOP	REVISED - 8-4-15 I.D.O.T. DMM
DRAWN - DMM, MK	REVISED -
CHECKED - JGG	REVISED -
DATE - 3-6-15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BIKE SIGNAGE LEGEND

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

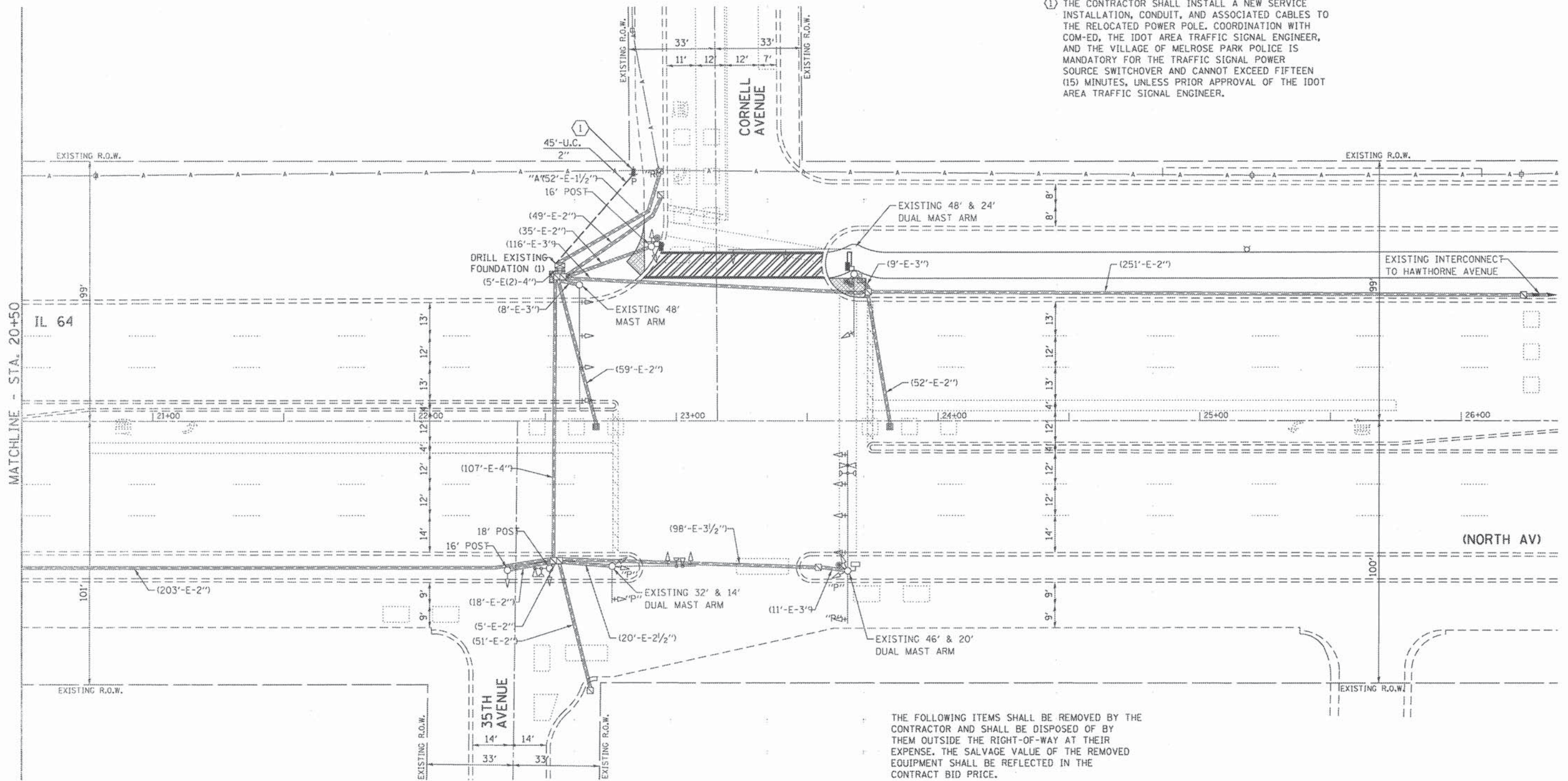
MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 307	08-00110-00-BT	COOK	155	69
FIELD BOOK NO.: GPS		CONTRACT NO. 61B78		
ILLINOIS		FED. AID PROJECT		

E.H.E. PROJECT NO. 600-14-24201



CONSTRUCTION NOTE:

① THE CONTRACTOR SHALL INSTALL A NEW SERVICE INSTALLATION, CONDUIT, AND ASSOCIATED CABLES TO THE RELOCATED POWER POLE. COORDINATION WITH COM-ED, THE IDOT AREA TRAFFIC SIGNAL ENGINEER, AND THE VILLAGE OF MELROSE PARK POLICE IS MANDATORY FOR THE TRAFFIC SIGNAL POWER SOURCE SWITCHOVER AND CANNOT EXCEED FIFTEEN (15) MINUTES, UNLESS PRIOR APPROVAL OF THE IDOT AREA TRAFFIC SIGNAL ENGINEER.



THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH SERVICE INSTALLATION



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

FILE NAME : TS01-02 - NorthCornell-TS-Plan.dgn	USER NAME = zwallsten	DESIGNED - JRD	REVISED -
		DRAWN - ZCW	REVISED -
	PLOT SCALE = 1/2"=1'	CHECKED - DPB	REVISED -
	PLOT DATE = 8/7/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

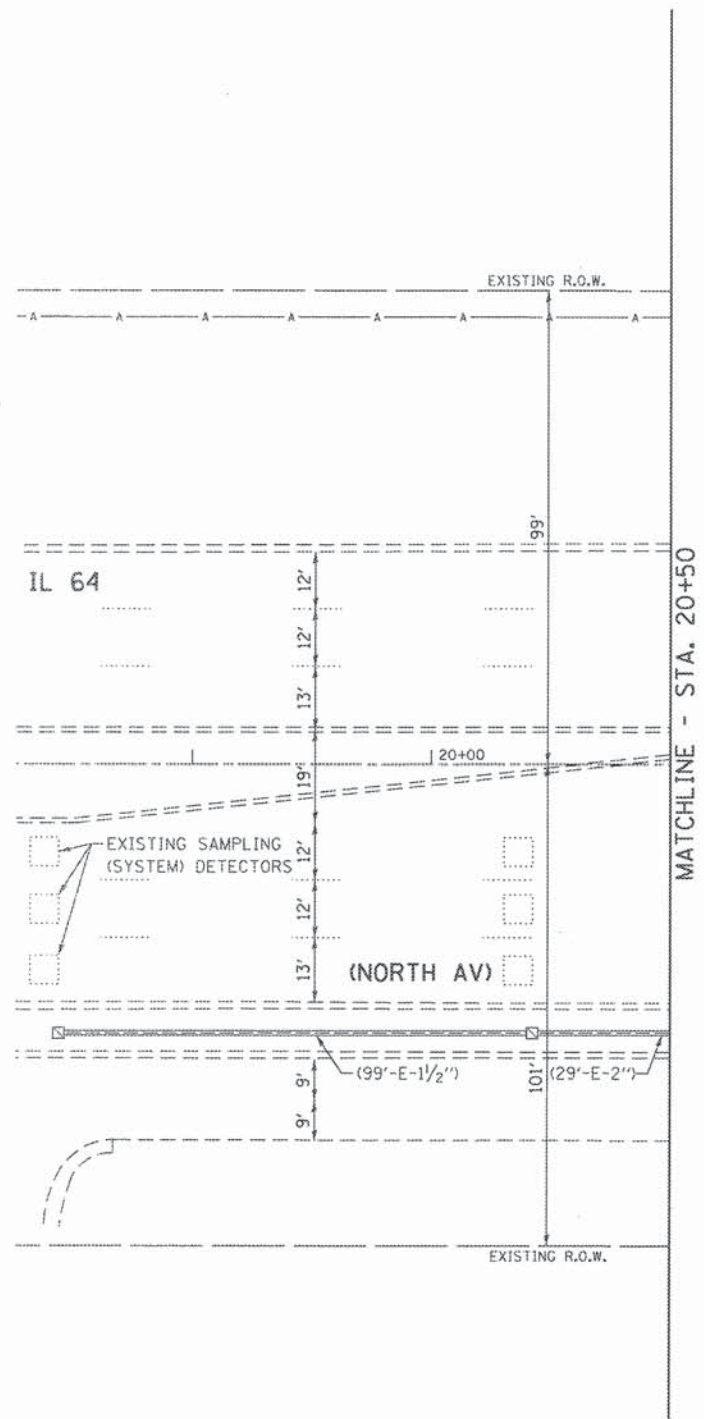
**TRAFFIC SIGNAL MODIFICATION PLAN -
IL 64 (NORTH AV) AT CORNELL AVENUE / 35TH AVENUE**

SCALE: 1"=20' SHEET TS01 OF TS45 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00110-00-BT	COOK	155	70
			CONTRACT NO. 61B78	
ILLINOIS FED. AID PROJECT				

TS *3035

GHA #4941.800



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

FILE NAME = TS01-02 - Nar-theCornell1-75-Par.dgn	USER NAME = zwellsten	DESIGNED - JRD	REVISED -
		DRAWN - ZCW	REVISED -
		CHECKED - DPB	REVISED -
		DATE -	REVISED -
Default	PLOT SCALE = 1:20		
	PLOT DATE = 8/7/2015		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

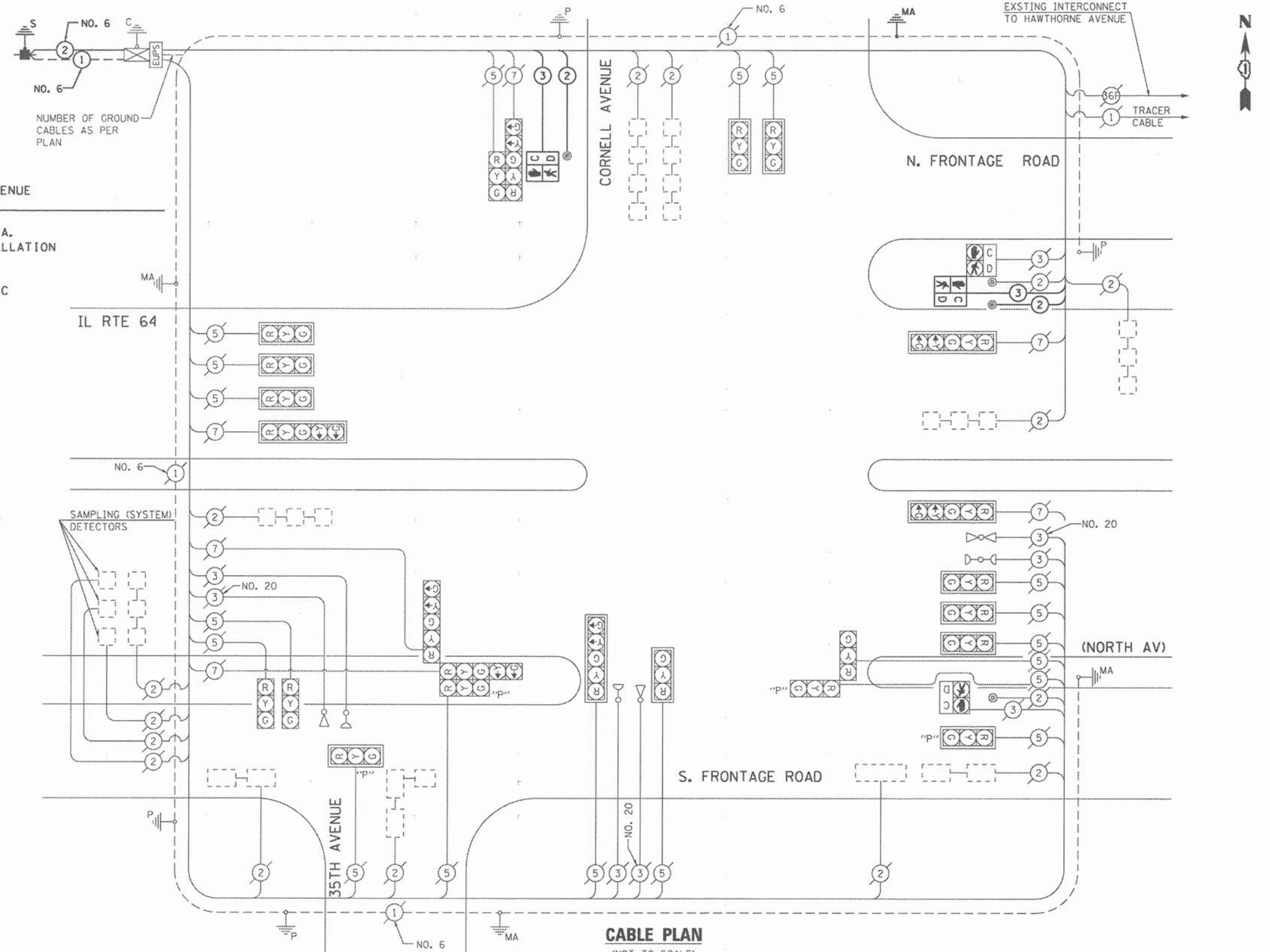
TRAFFIC SIGNAL MODIFICATION PLAN -
IL 64 (NORTH AV) AT CORNELL AVENUE /35TH AVENUE

SCALE: 1"=20' SHEET TS02 OF TS45 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00110-00-BT	COOK	155	71
			CONTRACT NO. 61B78	
ILLINOIS FED. AID PROJECT				

TS #3035

GHA #4941.800



SCHEDULE OF QUANTITIES
IL 64 (NORTH AV) AT CORNELL AVENUE / 35TH AVENUE

NO.	QUANT.	UNIT	DESCRIPTION
1.	1	EACH	SERVICE INSTALLATION - POLE MOUNTED
2.	45	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
3.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
4.	238	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
5.	256	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
6.	67	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C
7.	54	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
8.	1	EACH	DRILL EXISTING FOUNDATION
9.	2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
10.	2	EACH	PEDESTRIAN PUSH-BUTTON
11.	1	EACH	MODIFY EXISTING CONTROLLER CABINET
12.	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
13.	1	EACH	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL-1

I.D.D.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE		%OPERATION	
		INCAND.	LED		
SIGNAL (RED)	23	135	17	0.50	195
(YELLOW)	23	135	25	0.25	143.75
(GREEN)	23	135	15	0.25	86.25
ARROW	12	135	12	0.10	14.4
PED. SIGNAL	4	90	25	1.00	100
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84		0.05	
BATTERY BACKUP	1		25	1.00	25
FLASHER		135	25	0.50	
ENERGY COSTS TO:				TOTAL =	664.4

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096
ENERGY SUPPLY CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COM-ED LOMBARD



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

FILE NAME : TS03 - NorthCornell15-Cable.dgn	USER NAME : zswinton	DESIGNED - JRD	REVISED -
		DRAWN - ZCW	REVISED -
		CHECKED - DPB	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES AND CABLE PLAN IL 64 (NORTH AV) AT CORNELL AVENUE / 35TH AVENUE			
SCALE: NONE	SHEET TS03 OF TS45 SHEETS	STA.	TO STA.


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00110-00-BT	COOK	155	72
CONTRACT NO. 61878				
ILLINOIS FED. AID PROJECT				

TS *3035
GHA #4941.800


EXISTING SEQUENCE OF OPERATION


MOVEMENT	EXISTING SEQUENCE OF OPERATION																										FLASH								
PHASE	1+5					1+6						2+5						2+6			3			7											
INTERVAL	1	2	3	4	5	6	7	8A	8B	9A	9B	10	11	12A	12B	13A	13B	14A	14B	15	16A	16B	17	18A	18B	19		20	21A	21B	22A	22B			
CHANGE TO	/	1+6	2+5		7	2+6		1+5		ALL OTHERS		/	2+6		1+5		7		1+6		3	OR	7	ALL OTHERS		/		/	1+5		2+5		1+6		2+6
IL 64 (NORTH AV) MID MAST ARM SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	Y	R	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	
IL 64 (NORTH AV) FAR LEFT AND END MAST ARM SIGNALS	E/B	R ←G	R ←Y	R ←G	R ←Y	R ←Y	R	R	R	R	R	G ←G	G ←Y	Y ←G	R ←G	Y	R	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	
IL 64 (NORTH AV) MID MAST ARM SIGNALS	W/B	R	R	R	R	R	G	G	Y	R	Y	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	
IL 64 (NORTH AV) FAR LEFT AND END MAST ARM SIGNALS	W/B	R ←G	R ←G	R ←Y	R ←Y	R ←Y	G ←G	G ←Y	Y ←G	R ←G	Y	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	
CORNELL AVENUE MAST ARM AND FAR LEFT SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	Y	R	R	
CORNELL AVENUE NEAR RIGHT AND FAR RIGHT SIGNALS	S/B	R G→	R Y→	R G→	R G→	R Y→	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y G→	R G→	Y	R	R	
CORNELL AVENUE ALL SIGNALS	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	Y	R	R	
SERVICE ROAD SOUTH SIDE ALL SIGNALS	E/B AND W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	
PEDESTRIAN SIGNALS X-ING IL 64 (NORTH AV) EAST SIDE OF CORNELL AVENUE		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	DK	

* TO APPEAR ONLY UPON PUSHBUTTON ACTUATION

** FLASHING "  " IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE.

Ø THIS "  " OR FLASHING "  " INTERVAL MAY FINISH TIMING IN THE BIDIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT

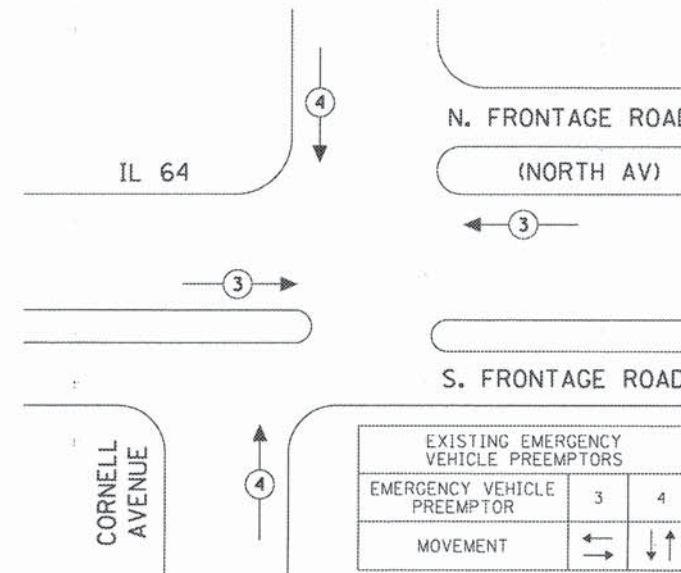
ARROW TIME IS NOT SUFFICIENT TO COMPLETE "  " OR FLASHING

"  " INTERVALS

P = ILLUMINATED PERSON = WALK
FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK
H = ILLUMINATED SOLID HAND = DON'T WALK

FL = FLASHING
DK = DARK

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE








GHA #4941.800

PROPOSED SEQUENCE OF OPERATION

MOVEMENT	1+5										1+6					2+5					2+6				3			7					FLASH		
PHASE	1+5										1+6					2+5					2+6				3			7							
INTERVAL	1	2	3	4	5	6	7	8	9	9	10	10	11	12	13	13	14	14	15	15	16	17	18	18	19	20	20	21	22	23	23	24		24	
CHANGE TO	/	1+6	2+5	7	2+6 3	θ	θ	2+6	1+5	ALL OTHERS		/	2+6	1+5	7	1+6 3	θ	θ	3 OR 7	/	ALL OTHERS		/	/	1+5 2+5	1+6 2+6	/	/	/	/	/	/	/	/	
IL 64 (NORTH AV) MID MAST ARM SIGNALS E/B	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	Y	R	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	
IL 64 (NORTH AV) FAR LEFT AND END MAST ARM SIGNALS E/B	R ←G	R ←Y	R ←G	R ←Y	R ←Y	R	R	R	R	R	R	R	G ←G	G ←Y	Y ←G	R ←G	Y	R	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	
IL 64 (NORTH AV) MID MAST ARM SIGNALS W/B	R	R	R	R	R	G	G	G	Y	R	Y	R	R	R	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	
IL 64 (NORTH AV) FAR LEFT AND END MAST ARM SIGNALS W/B	R ←G	R ←G	R ←Y	R ←Y	R ←Y	G ←G	G ←G	G ←Y	Y ←G	R ←G	Y	R	R	R	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	
CORNELL AVENUE MAST ARM AND FAR LEFT SIGNALS S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
CORNELL AVENUE NEAR RIGHT AND FAR RIGHT SIGNALS S/B	R G→	R Y→	R G→	R G→	R Y→	R	R	R	R	R	R	R	R G→	R Y→	R G→	R G→	R G→	R G→	R Y→	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
CORNELL AVENUE ALL SIGNALS N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
SERVICE ROAD SOUTH SIDE ALL SIGNALS E/B AND W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	
PEDESTRIAN SIGNALS X-ING IL 64 (NORTH AV) EAST SIDE OF CORNELL AVENUE	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	DK	
PEDESTRIAN SIGNALS X-ING CORNELL AVENUE NORTH SIDE OF IL 64 (NORTH AV)	H	H	H	H	H	* P	** FH	H	H	H	H	H	H	H	H	H	H	H	H	H	* P	** FH	H	H	H	H	H	H	H	H	H	H	H	H	DK

• TO APPEAR ONLY UPON PUSHBUTTON ACTUATION

** FLASHING "  " IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE.

θ THIS "  " OR FLASHING "  " INTERVAL MAY FINISH TIMING IN THE BIDIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT ARROW TIME IS NOT SUFFICIENT TO COMPLETE "  " OR FLASHING "  " INTERVALS

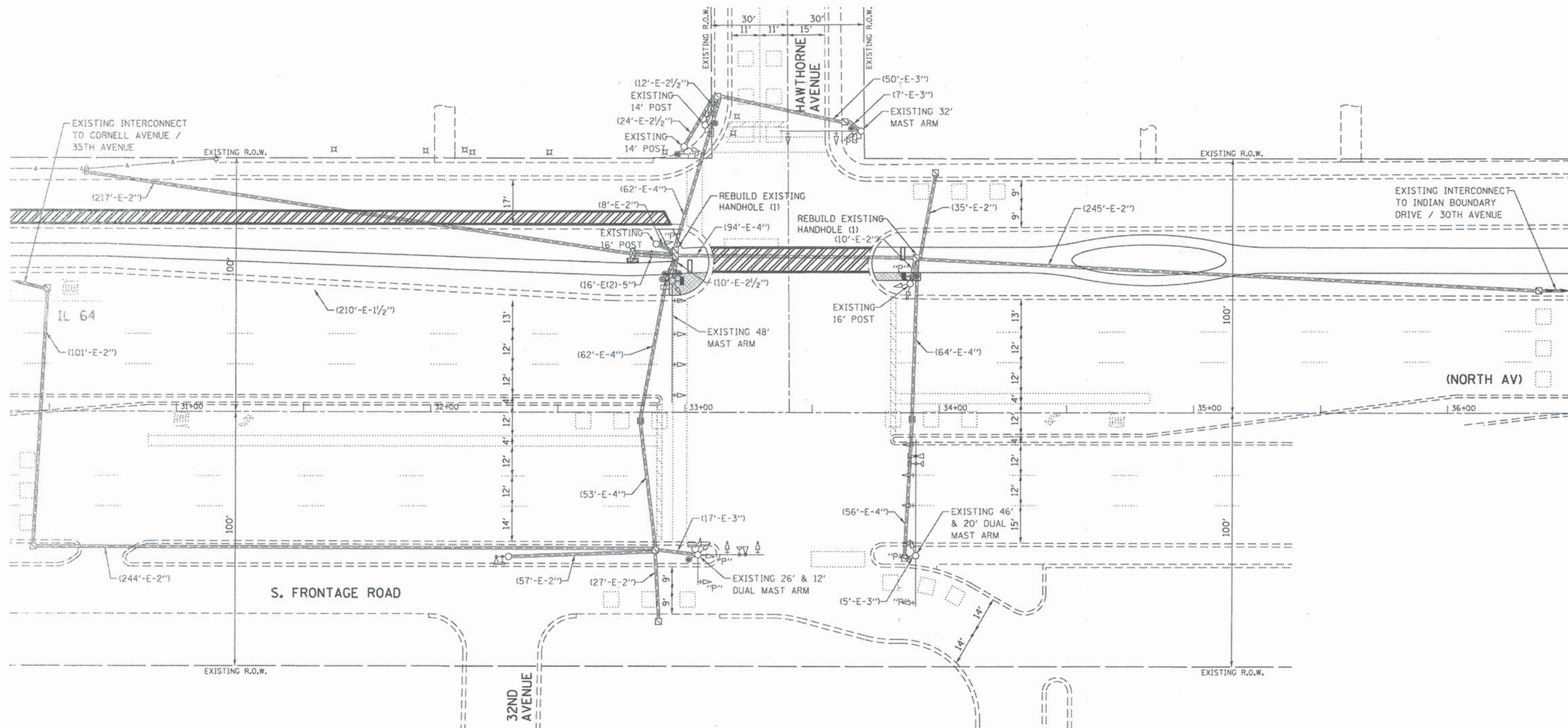
P = ILLUMINATED PERSON = WALK
 FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK
 H = ILLUMINATED SOLID HAND = DON'T WALK



FL = FLASHING
 DK = DARK

GHA #4941.800

FILE NAME: TSB4-03 - NorthCornell-TS-Charts.dgn	USER NAME: zwellsten	DESIGNED: JRD	REVISED:	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				PROPOSED SEQUENCE OF OPERATION IL 64 (NORTH AV) AT CORNELL AVENUE /35TH AVENUE				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		DRAWN: ZCW	REVISED:										08-00110-00-BT	COOK	155	74		
		CHECKED: DPB	REVISED:									SCALE: NONE	SHEET 1505 OF 1545 SHEETS	STA.	TO STA.	CONTRACT NO. 61B78		
		DATE:	REVISED:									ILLINOIS FED. AID PROJECT						



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

FILE NAME =	USER NAME = zwillsten	DESIGNED - JRD	REVISED -
TS06 - Hawthorne-TS-Per-nudgn		DRAWN - ZCW	REVISED -
Default		CHECKED - DPB	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN -
IL 64 (NORTH AV) AT HAWTHORNE AVENUE

SCALE: 1"=20' SHEET TS06 OF TS45 SHEETS STA. TO STA.

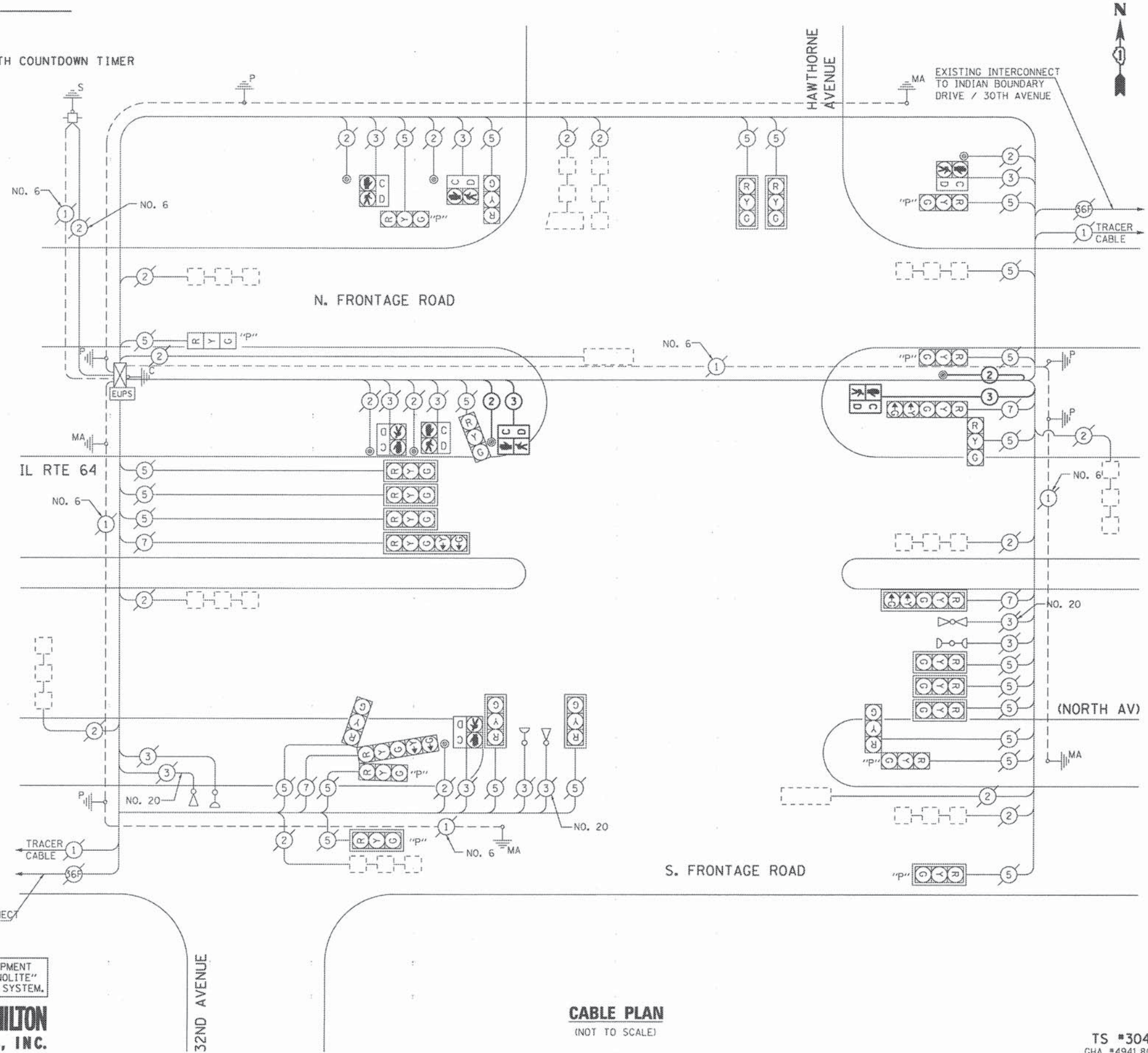
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00110-00-BT	COOK	155	75
CONTRACT NO. 61B78				
ILLINOIS FED. AID PROJECT				

TS #3045

GHA #4941.800

SCHEDULE OF QUANTITIES
IL 64 (NORTH AV) AT HAWTHORNE AVENUE

NO.	QUANT.	UNIT	DESCRIPTION
1.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	205	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
3.	223	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
4.	2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
5.	2	EACH	PEDESTRIAN PUSH-BUTTON
6.	1	EACH	MODIFY EXISTING CONTROLLER CABINET
7.	2	EACH	REBUILD EXISTING HANDHOLE
8.	1	EACH	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL-1



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO LAMPS	WATTAGE		OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	24	135	17	0.50	204
SIGNAL (YELLOW)	24	135	25	0.25	150
SIGNAL (GREEN)	24	135	15	0.25	90
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	8	90	25	1.00	200
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84		0.05	
BATTERY BACKUP	1		25	1.00	25
FLASHER		135	25	0.50	
ENERGY COSTS TO:					TOTAL = 778.6

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096
ENERGY SUPPLY CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COM-ED LOMBARD

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



CABLE PLAN
(NOT TO SCALE)

FILE NAME: TS07 - Hawthorne-TS-Cable.dgn	USER NAME: zwo1nter	DESIGNED - JRD	REVISED -
		DRAWN - ZCW	REVISED -
		CHECKED - DPB	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES AND CABLE PLAN IL 64 (NORTH AV) AT HAWTHORNE AVENUE			
SCALE: NONE	SHEET TS07 OF TS45 SHEETS	STA.	TO STA.






F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00110-00-BT	COOK	155	76
CONTRACT NO. 61878				
[ILLINOIS] FED. AID PROJECT				

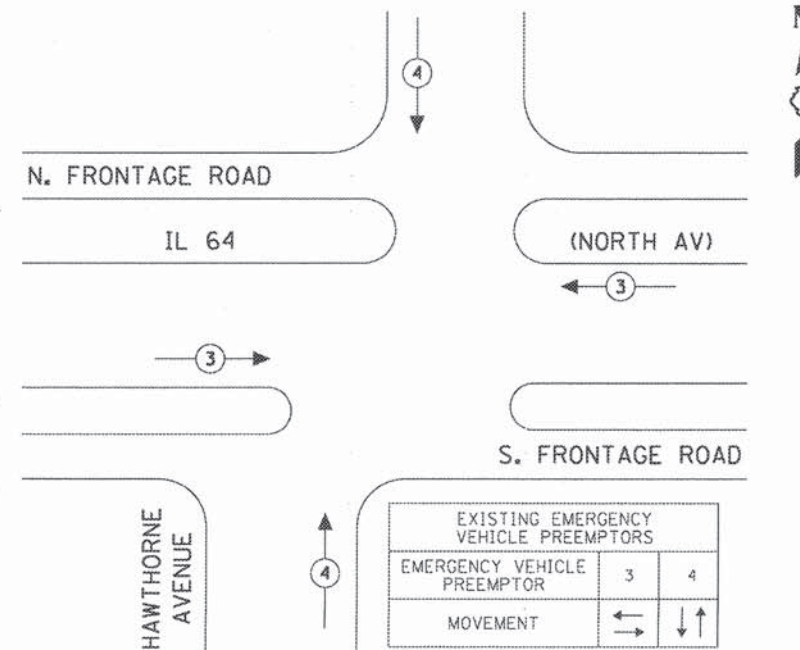
TS #3045
GHA #4941.800

EXISTING SEQUENCE OF OPERATION

MOVEMENT	EXISTING SEQUENCE OF OPERATION																								FLASH							
PHASE	1+5				2+5				1+6				2+6			3			4			7										
INTERVAL	1	2	3	4	5	6A	6B	7	8A	8B	9	10A	10B	11	12A	12B	13	14A	14B	15	16A	16B	17	18A		18B	19	20	21A	21B		
CHANGE TO	/		2+5	1+6	ALL OTHERS	/		1+5	2+6	ALL OTHERS	/		1+5	2+6	ALL OTHERS	/		3 4 7	/			ALL OTHERS	/			ALL OTHERS	/		ALL OTHERS	/		ALL OTHERS
IL 64 (NORTH AV) MID MAST ARM SIGNALS	E/B	R	R	R	R	G	Y	R	G	Y	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	
IL 64 (NORTH AV) FAR LEFT AND END MAST ARM SIGNALS	E/B	R ←G	R ←G	R ←Y	R ←Y	G ←G	Y ←G	R ←G	G ←Y	Y	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R		
IL 64 (NORTH AV) MID MAST ARM SIGNALS	W/B	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	R		
IL 64 (NORTH AV) FAR LEFT AND END MAST ARM SIGNALS	W/B	R ←G	R ←Y	R ←G	R ←Y	R	R	R	R	R	R	G ←G	Y ←G	R ←G	G ←Y	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	R		
HAWTHORNE AVENUE SIGNALS	N/B AND S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	R
SERVICE ROAD NORTH SIDE	E/B AND W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	
SERVICE ROAD SOUTH SIDE	E/B AND W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	
PEDESTRIAN SIGNALS X-ING IL 64 (NORTH AV) WEST SIDE OF HAWTHORNE AVENUE		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

- TO APPEAR ONLY UPON PUSHBUTTON ACTUATION
- FLASHING "  " IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE.
- ⊖ THIS "  " OR FLASHING "  " INTERVAL MAY FINISH TIMING IN THE BIDIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT ARROW TIME IS NOT SUFFICIENT TO COMPLETE "  " OR FLASHING "  " INTERVALS
- P = ILLUMINATED PERSON = WALK
- FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK
- H = ILLUMINATED SOLID HAND = DON'T WALK
- FL = FLASHING
- DK = DARK



FILE NAME *	USER NAME = zwallston	DESIGNED - JRD	REVISED -
TSDB-09 - NorthHawthorne-TD-Cher.tsdgn		DRAWN - ZCW	REVISED -
	PLOT SCALE = 1:20	CHECKED - DPB	REVISED -
	PLOT DATE = 8/7/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING SEQUENCE OF OPERATION AND EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IL 64 (NORTH AV) AT HAWTHORNE AVENUE			08-00110-00-BT	COOK	155	77
SCALE: NONE	SHEET TS08 OF TS45 SHEETS	STA.	TO STA.		CONTRACT NO. 61B78	

ILLINOIS FED. AID PROJECT	
---------------------------	--

GHA #4941.800

PROPOSED SEQUENCE OF OPERATION

MOVEMENT																									FLASH										
PHASE	1+5				2+5				1+6				2+6				3		4		7														
INTERVAL	1	2	3	4	5	6A	6B	7	8A	8B	9	10	11	11	12	13	13	14	15	16	16	17	18	18		19	20	20	21	22	23	23			
CHANGE TO	/		2+5	1+6	ALL OTHERS	/		1+5	2+6	ALL OTHERS	/		/		1+5	2+6	ALL OTHERS	/		/		3 4 7	/		/		ALL OTHERS	/		/		ALL OTHERS			
IL 64 (NORTH AV) MID MAST ARM SIGNALS E/B	R	R	R	R	G	Y	R	G	Y	R	R	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R				
IL 64 (NORTH AV) FAR LEFT AND END MAST ARM SIGNALS E/B	R ←G	R ←G	R ←Y	R ←Y	G ←G	Y ←G	R ←G	G ←Y	Y	R	R	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R				
IL 64 (NORTH AV) MID MAST ARM SIGNALS W/B	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	G	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R				
IL 64 (NORTH AV) FAR LEFT AND END MAST ARM SIGNALS W/B	R ←G	R ←Y	R ←G	R ←Y	R	R	R	R	R	R	G ←G	G ←G	Y ←G	R ←G	G ←Y	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R				
HAWTHORNE AVENUE SIGNALS N/B AND S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	R		
SERVICE ROAD NORTH SIDE E/B AND W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R			
SERVICE ROAD SOUTH SIDE E/B AND W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R			
PEDESTRIAN SIGNALS X-ING IL 64 (NORTH AV) WEST SIDE OF HAWTHORNE AVENUE	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	DK	
PEDESTRIAN SIGNALS X-ING HAWTHORNE AVENUE NORTH SIDE OF IL 64 (NORTH AV)	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	DK

* TO APPEAR ONLY UPON PUSHBUTTON ACTUATION

** FLASHING " " IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE.

θ THIS " " OR FLASHING " " INTERVAL MAY FINISH TIMING IN THE BIDIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT ARROW TIME IS NOT SUFFICIENT TO COMPLETE " " OR FLASHING " " INTERVALS

P = ILLUMINATED PERSON = WALK
 FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK
 H = ILLUMINATED SOLID HAND = DON'T WALK

FL = FLASHING
 DK = DARK



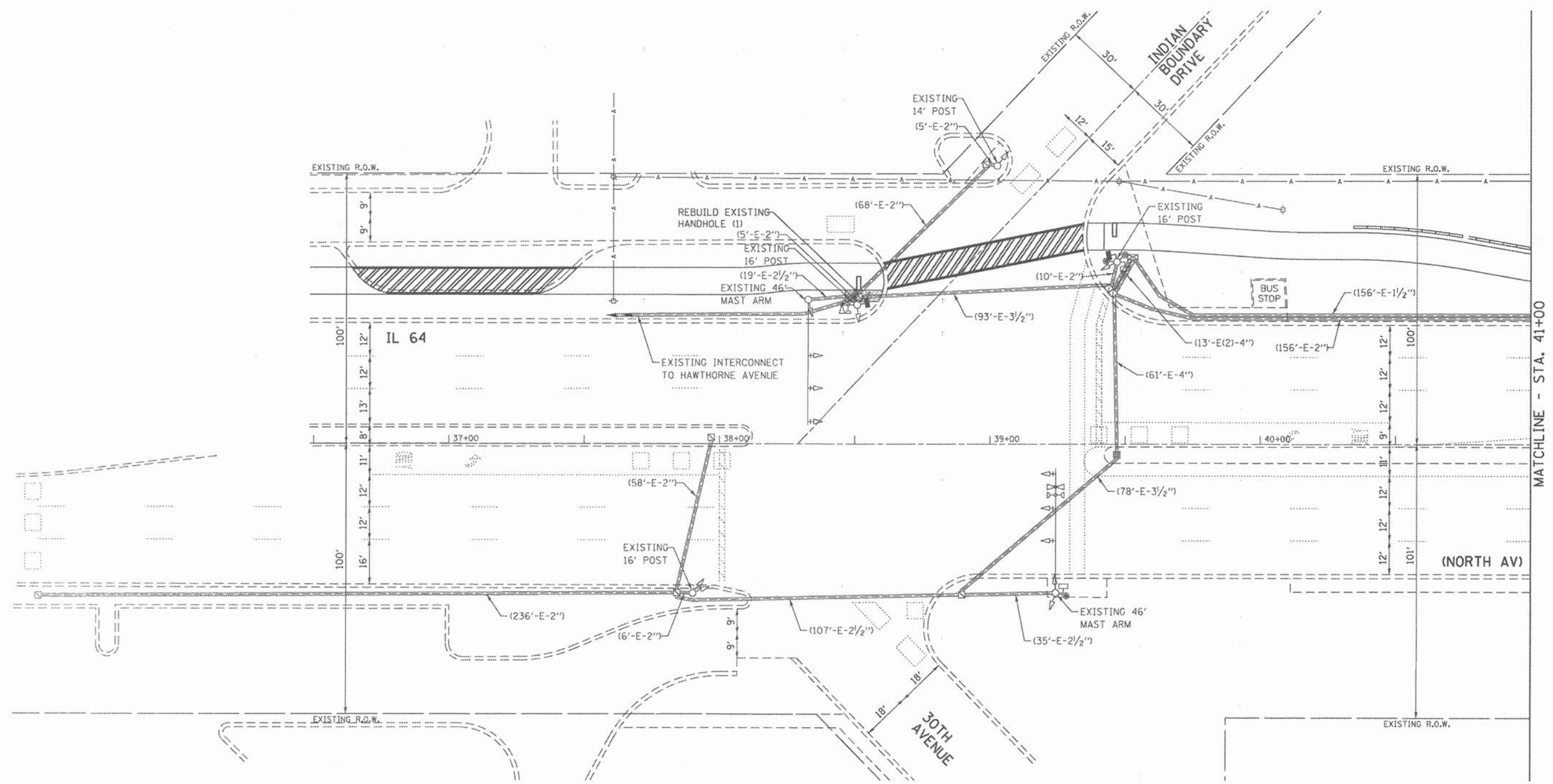
FILE NAME =	USER NAME = zwallsten	DESIGNED - JRD	REVISED -
1500-09 - No. 010 Hawthorne-TS-Chor.txdgn		DRAWN - ZCW	REVISED -
		CHECKED - DPB	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED SEQUENCE OF OPERATION IL 64 (NORTH AV) AT HAWTHORNE AVENUE			
SCALE: NONE	SHEET TS09 OF TS45 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00110-00-BT	COOK	155	78
			CONTRACT NO. 61878	
ILLINOIS FED. AID PROJECT				

GHA #4941.800



MATCHLINE - STA. 41+00



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

FILE NAME :	USER NAME :	DESIGNED :	REVISED :
TS10-11 - NorthIndian Boundary-TS-Permis	zwilinsten	JRD	-
Default	PLOT SCALE :	CHECKED :	REVISED :
	1:20	DPB	-
	PLOT DATE :	DATE :	REVISED :
	8/7/2015	-	-

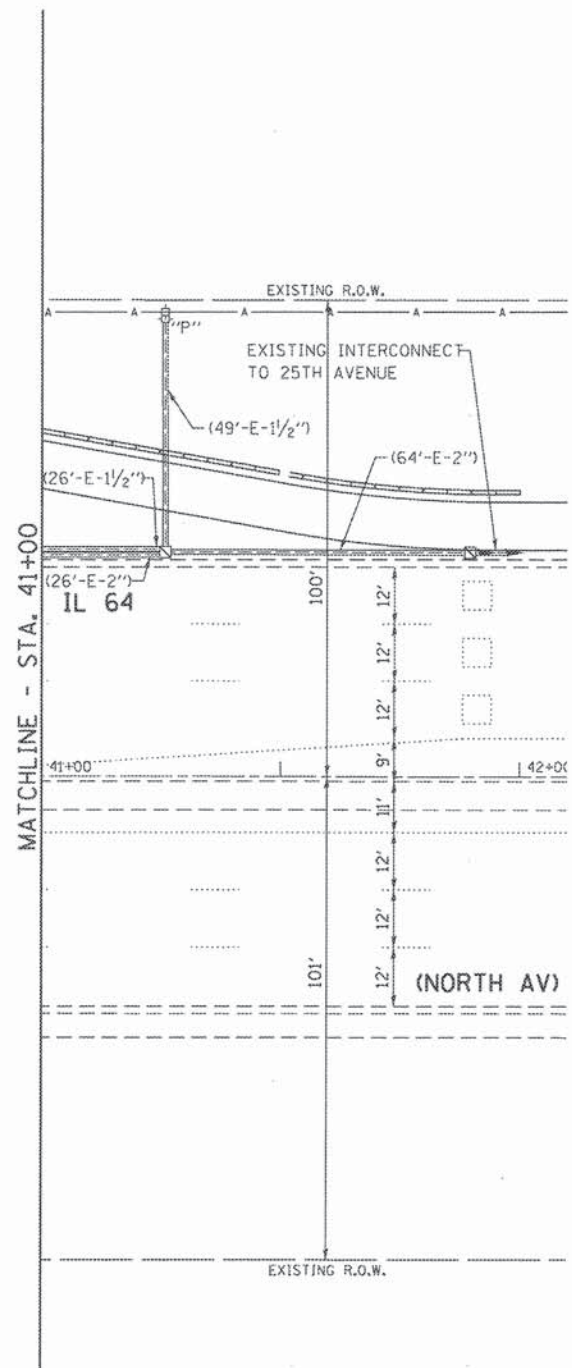
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN -
IL 64 (NORTH AV) AT INDIAN BOUNDARY DRIVE /30TH AVENUE**

SCALE: 1"=20' SHEET TS10 OF TS45 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00110-00-BT	COOK	155	79
			CONTRACT NO. 61B78	
ILLINOIS FED. AID PROJECT				

TS #3050
GHA #4941.800



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

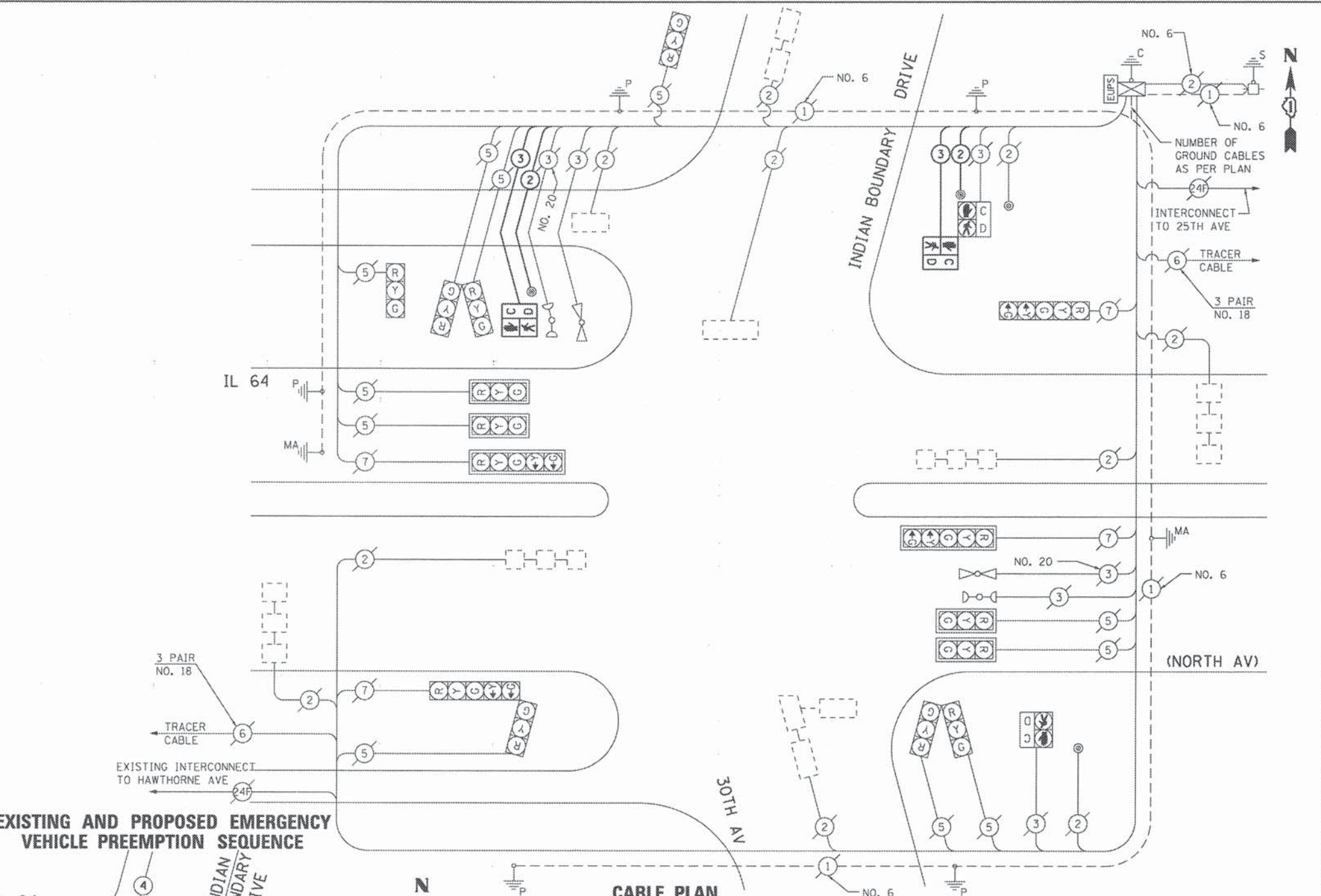
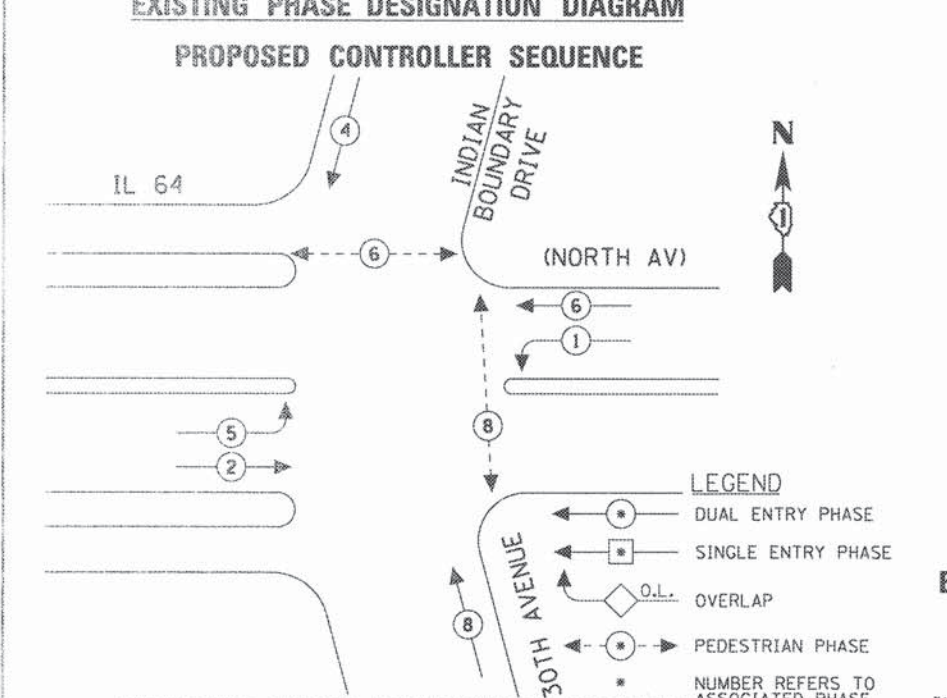
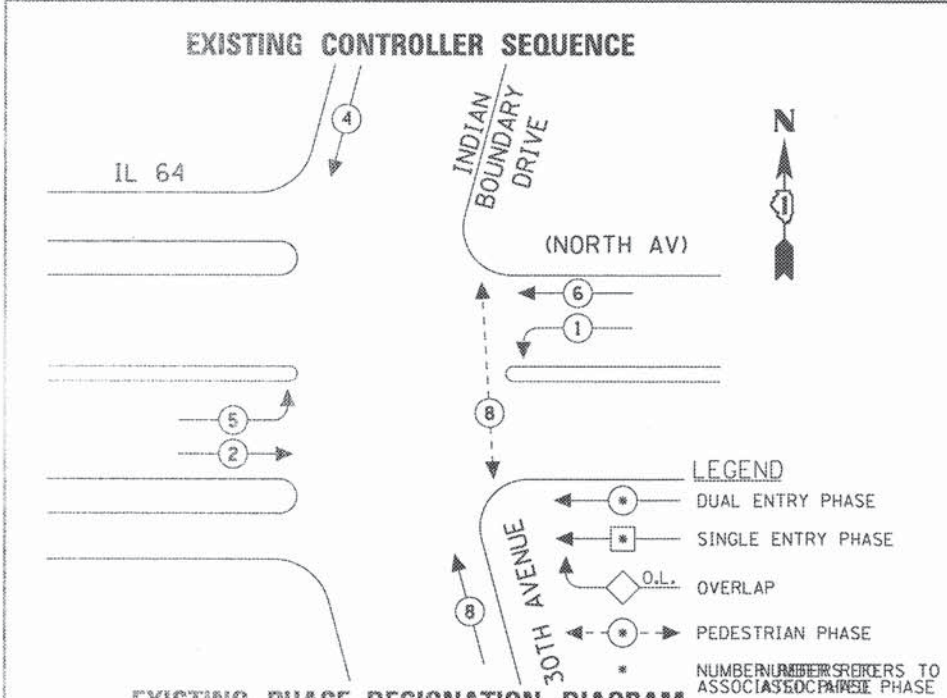
FILE NAME =	USER NAME = zwillsten	DESIGNED - JRD	REVISED -
TS10-11 - NorthIndian Boundary-TS-Permdgn		DRAWN - ZCW	REVISED -
Defaults	PLOT SCALE = 1:20	CHECKED - DPB	REVISED -
	PLOT DATE = 8/7/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN -
IL 64 (NORTH AV) AT INDIAN BOUNDARY DRIVE /30TH AVENUE
SCALE: 1"=20' SHEET TS11 OF TS45 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00110-00-BT	COOK	155	80
CONTRACT NO. 61B78			ILLINOIS FED. AID PROJECT	

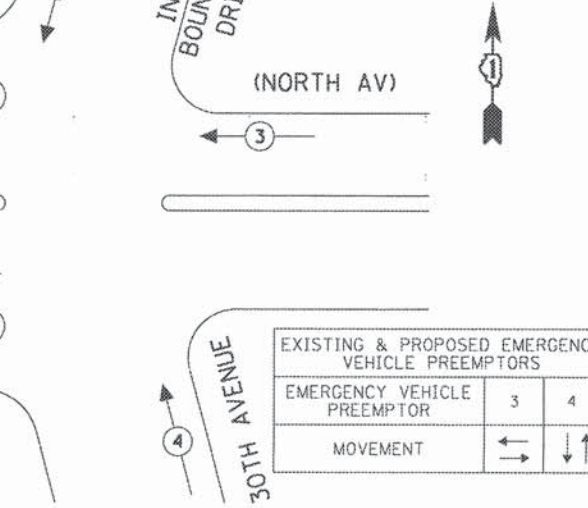
TS #3050
GHA #4941.800



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

TYPE	NO LAMPS	WATTAGE		%OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	15	135	17	0.50	127.5
(YELLOW)	15	135	25	0.25	93.75
(GREEN)	15	135	15	0.25	56.25
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	4	90	25	1.00	100
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84		0.05	
BATTERY BACKUP	1		25	1.00	25
FLASHER		135	25	0.50	
ENERGY COSTS TO:					TOTAL = 512.1

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096
ENERGY SUPPLY CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COM-ED LOMBARD



SCHEDULE OF QUANTITIES
IL 64 (NORTH AV) AT INDIAN BOUNDARY DRIVE / 30TH AVENUE

NO.	QUANT.	UNIT	DESCRIPTION
1.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	193	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
3.	211	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
4.	2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
5.	2	EACH	PEDESTRIAN PUSH-BUTTON
6.	1	EACH	MODIFY EXISTING CONTROLLER CABINET
7.	1	EACH	REBUILD EXISTING HANDHOLE
8.	1	EACH	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL-1

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

FILE NAME: TS12 - North Indian Boundary-TS-Cable.dgn	USER NAME: zwellsten	DESIGNED - JRD	REVISED -
		DRAWN - ZCW	REVISED -
		CHECKED - DPB	REVISED -
		DATE -	REVISED -

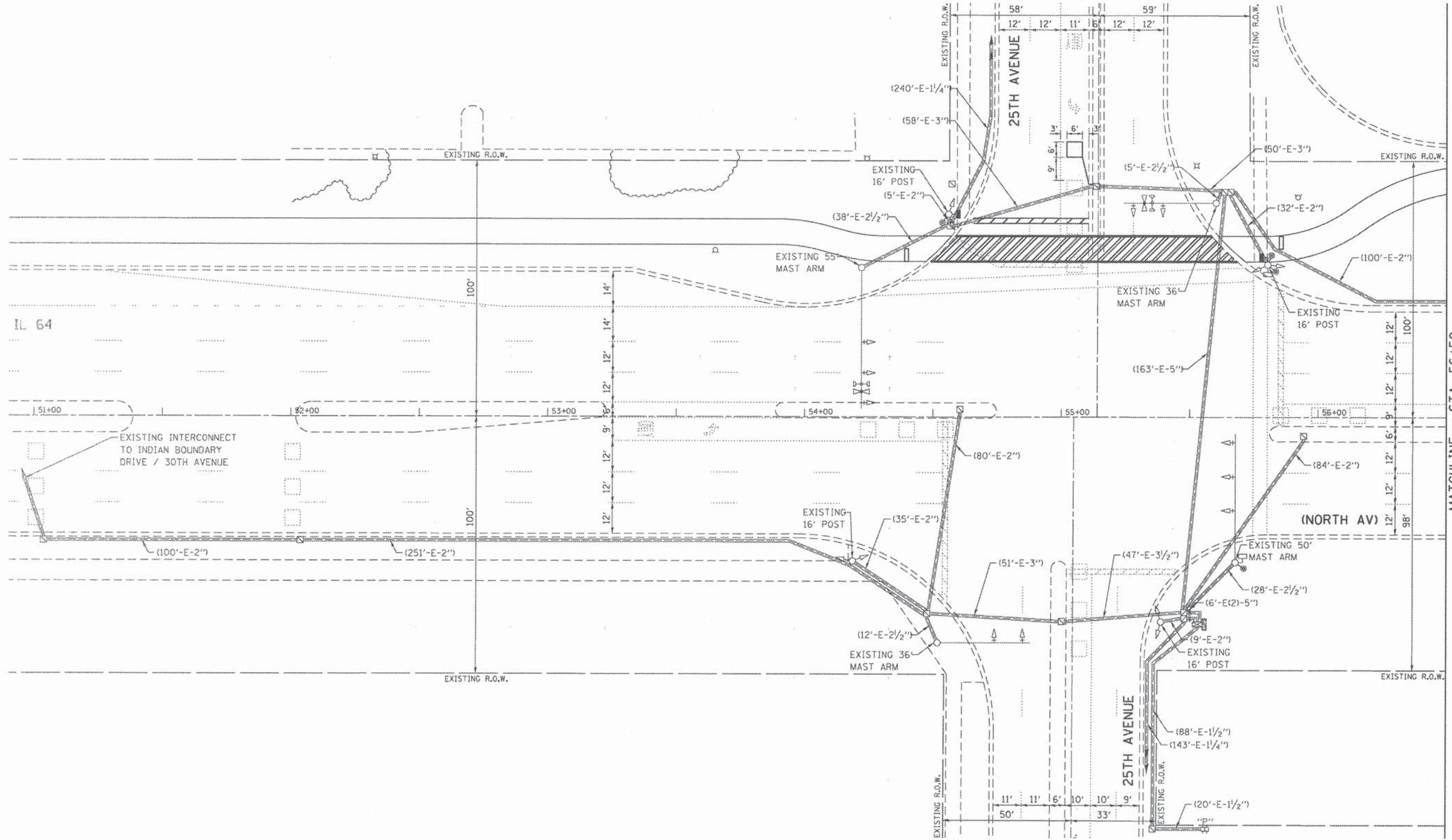
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NONE	SHEET TS12 OF TS45 SHEETS	STA. TO STA.
-------------	---------------------------	--------------

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00110-00-BT	COOK	155	81
CONTRACT NO. 61878				

TS #3050
GHA #4941.800

ILLINOIS FED. AID PROJECT



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

FILE NAME TS13-14 - North25th-TS-Perm.dgn	USER NAME = zwallsten	DESIGNED - JRD	REVISED -
		DRAWN - ZCW	REVISED -
		CHECKED - DPB	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

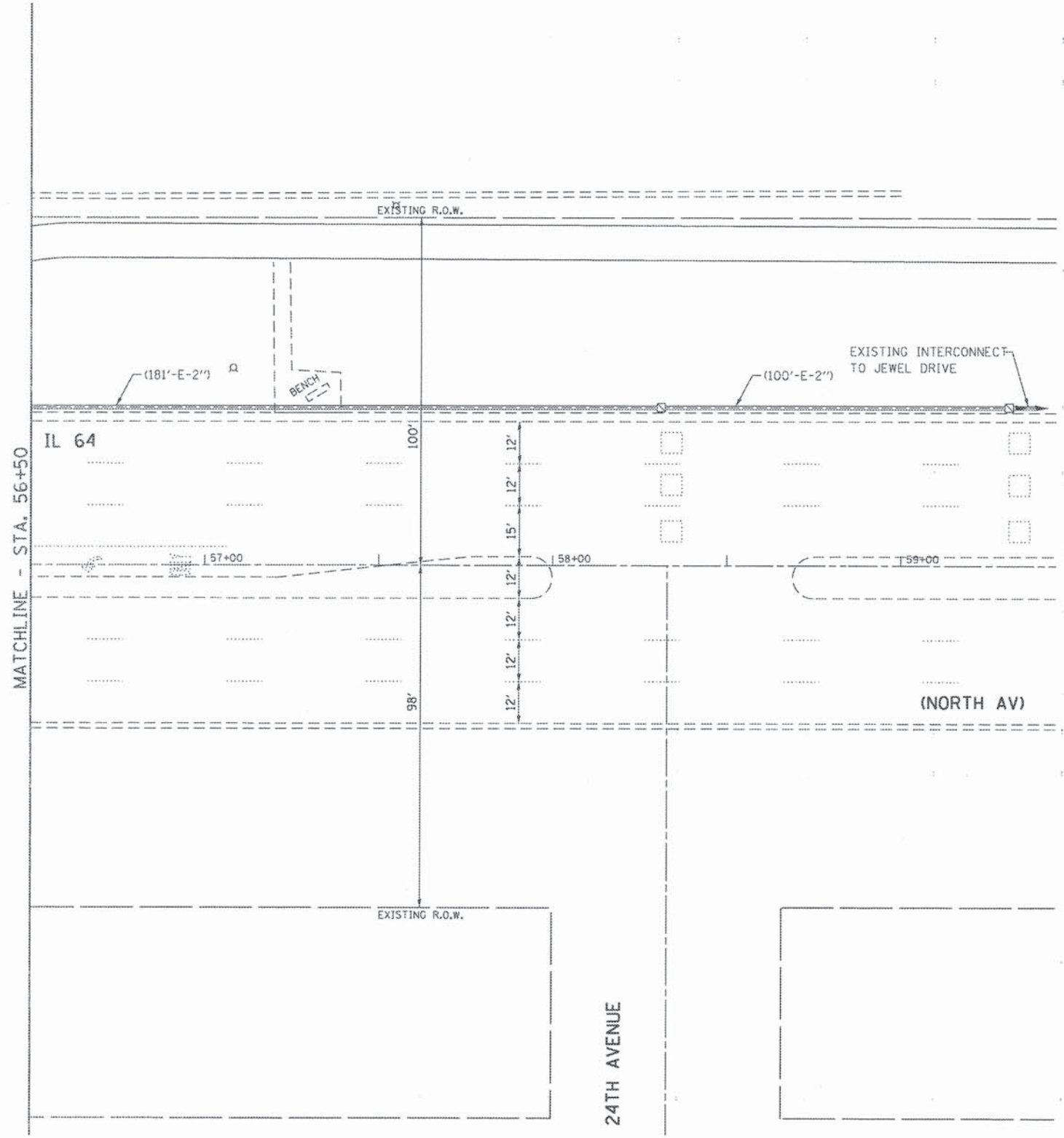
TRAFFIC SIGNAL MODIFICATION PLAN -
IL 64 (NORTH AV) AT 25TH AVENUE

SCALE: 1"=20' SHEET TS13 OF TS45 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00110-00-BT	COOK	155	82
			CONTRACT NO. 61B78	
ILLINOIS FED. AID PROJECT				

TS #3020
GHA #4941.800

MATCHLINE - STA. 56+50



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

FILE NAME = TS13-14 - North25th-TS-Plan.dgn	USER NAME = zwallsten	DESIGNED - JRD	REVISED -
		DRAWN - ZCW	REVISED -
		CHECKED - DPB	REVISED -
		DATE -	REVISED -
PLOT SCALE = 1:20			
PLOT DATE = 8/7/2015			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

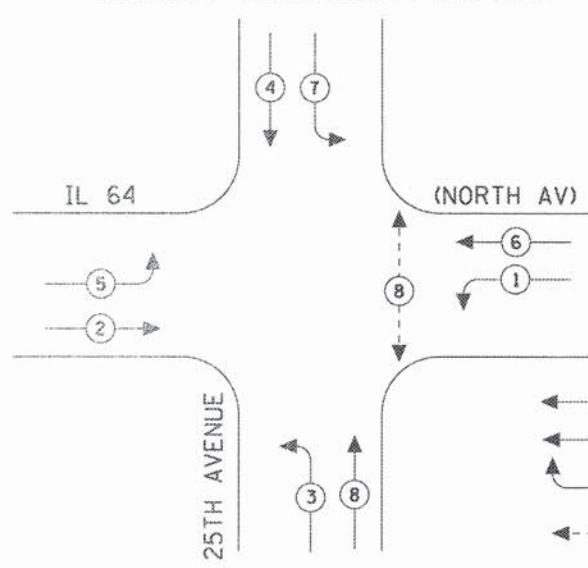
TRAFFIC SIGNAL MODIFICATION PLAN -
IL 64 (NORTH AV) AT 25TH AVENUE

SCALE: 1"=20' SHEET TS14 OF TS45 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00110-00-BT	COOK	155	83
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

TS #3020
GHA #4941.800

EXISTING CONTROLLER SEQUENCE

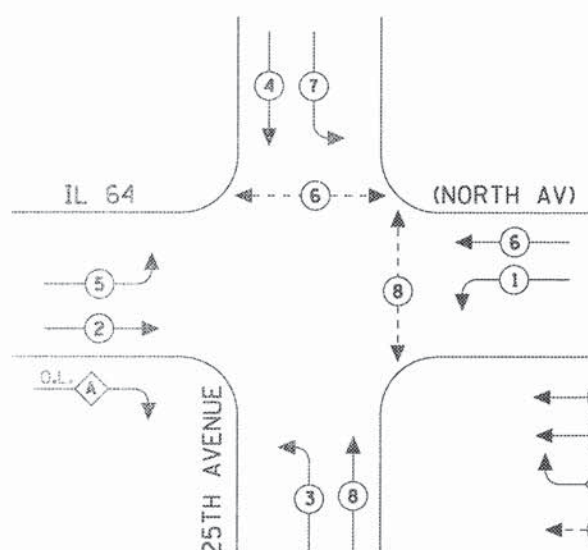


EXISTING PHASE DESIGNATION DIAGRAM

LEGEND

- ◉ DUAL ENTRY PHASE
- ◻ SINGLE ENTRY PHASE
- ◊ O.L. OVERLAP
- ◉ PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE

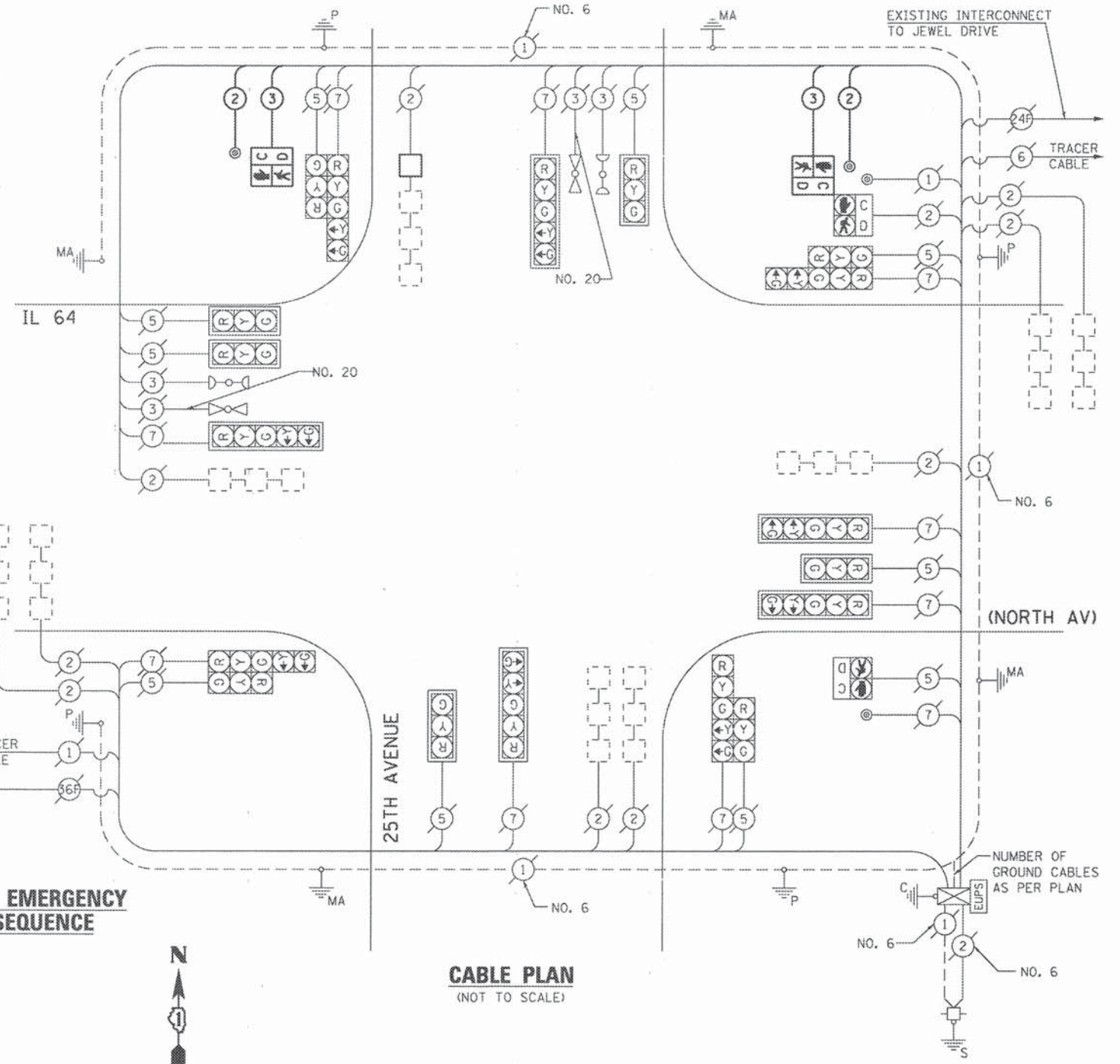
PROPOSED CONTROLLER SEQUENCE



PROPOSED PHASE DESIGNATION DIAGRAM*

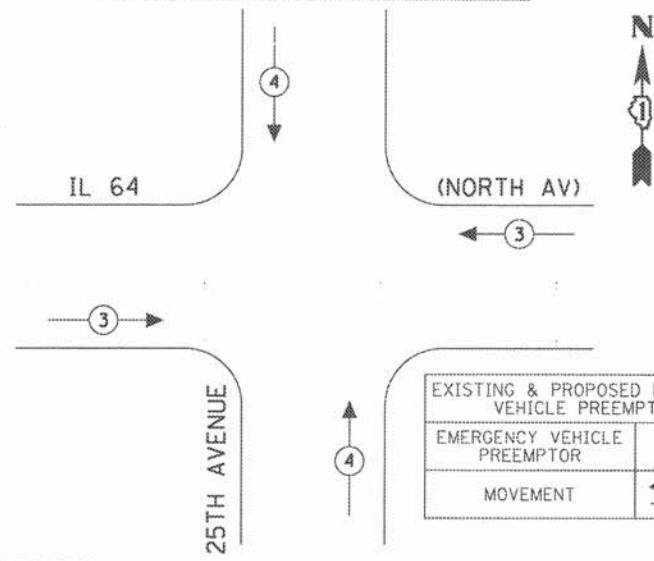
LEGEND

- ◉ DUAL ENTRY PHASE
- ◻ SINGLE ENTRY PHASE
- ◊ O.L. OVERLAP
- ◉ PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE



CABLE PLAN
(NOT TO SCALE)

EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



SCHEDULE OF QUANTITIES
IL 64 (NORTH AV) AT 25TH AVENUE

NO.	QUANT.	UNIT	DESCRIPTION
1.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	565	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
3.	579	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
4.	2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
5.	49	FOOT	DETECTOR LOOP, TYPE I
6.	2	EACH	PEDESTRIAN PUSH-BUTTON
7.	1	EACH	MODIFY EXISTING CONTROLLER CABINET
8.	1	EACH	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL-1

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE		OPERATION	
		INCAND.	LED		
SIGNAL (RED)	18	135	17	0.50	153
(YELLOW)	18	135	25	0.25	112.5
(GREEN)	18	135	15	0.25	67.5
ARROW	16	135	12	0.10	19.2
PED. SIGNAL	4	90	25	1.00	100
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84		0.05	
BATTERY BACKUP	1		25	1.00	25
FLASHER		135	25	0.50	
ENERGY COSTS TO:				TOTAL =	577.2

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096
ENERGY SUPPLY CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COM-ED LOMBARD



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

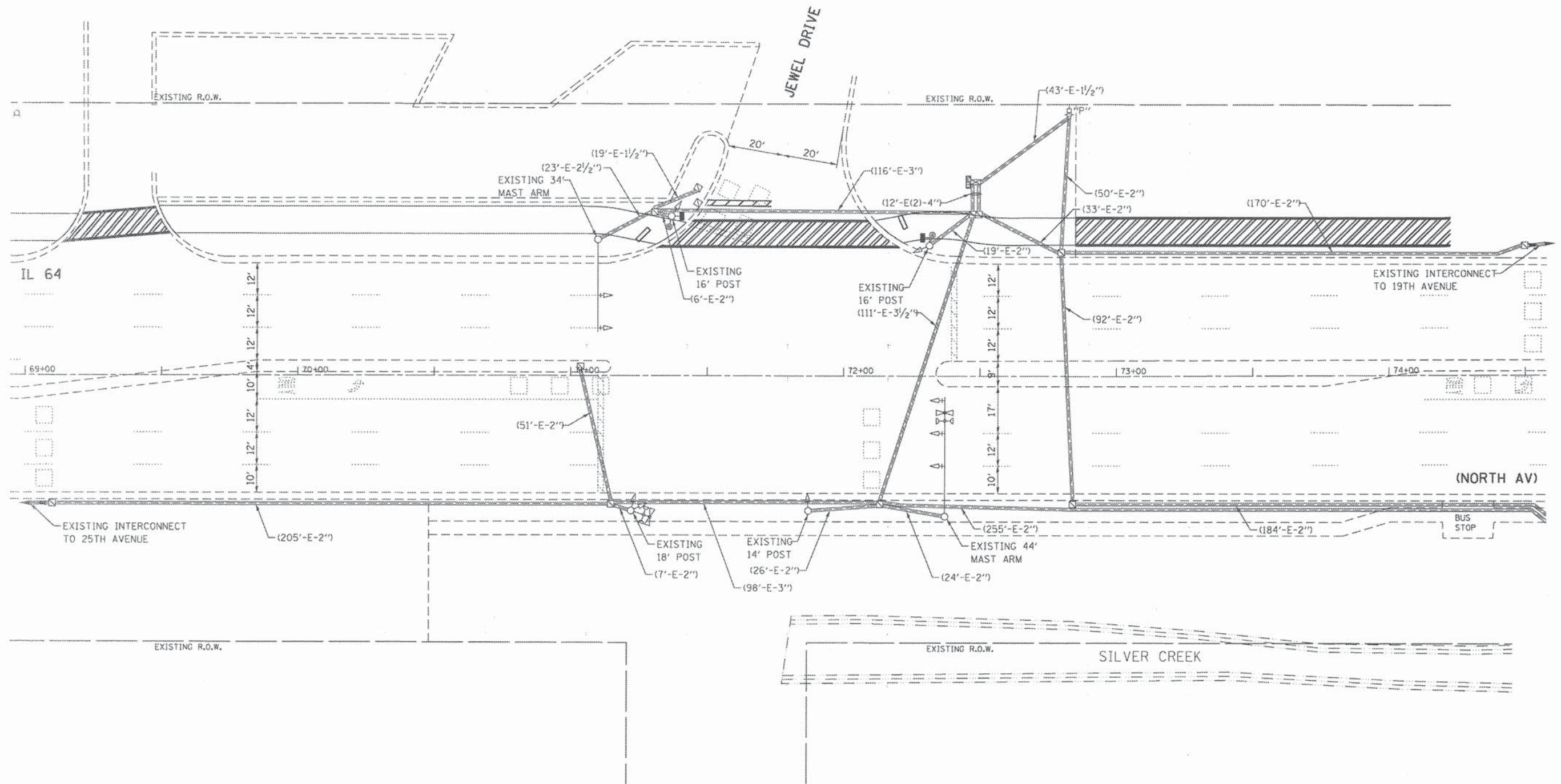
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FILE NAME =	USER NAME = zwillsten	DESIGNED - JRD	REVISED -
TS15 - Nor the 25th TS-Cable.dgn		DRAWN - ZCW	REVISED -
		CHECKED - DPB	REVISED -
		DATE -	REVISED -

SCALE: NONE		SHEET TS15 OF TS45 SHEETS		STA.	TO STA.
-------------	--	---------------------------	--	------	---------

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00110-00-BT	COOK	155	84
CONTRACT NO. 61B78				
[ILLINOIS] FED. AID PROJECT				

TS #3020
GHA #4941.800



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

FILE NAME =	USER NAME = zwallsten	DESIGNED - JRD	REVISED -
TS15 - North@Jewel-TS-Permedgn		DRAWN - ZCW	REVISED -
Default		CHECKED - DPB	REVISED -
	PLOT DATE = 8/7/2015	DATE -	REVISED -

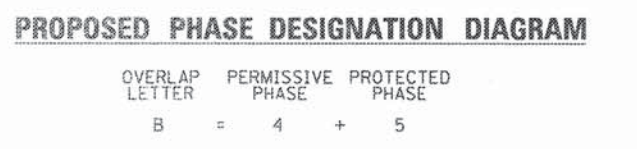
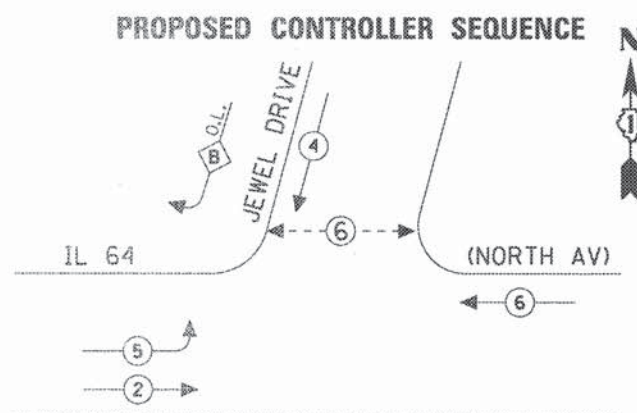
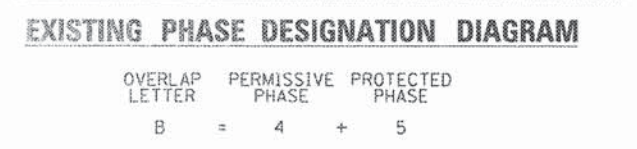
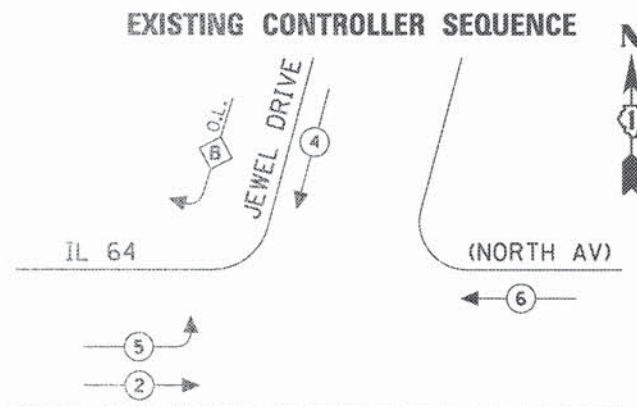
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN -
IL 64 (NORTH AV) AT JEWEL DRIVE

SCALE: 1"=20' SHEET TS16 OF TS45 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00110-00-BT	COOK	155	85
CONTRACT NO. 61B78				
ILLINOIS FED. AID PROJECT				

TS #10915
GHA #4941.800



LEGEND

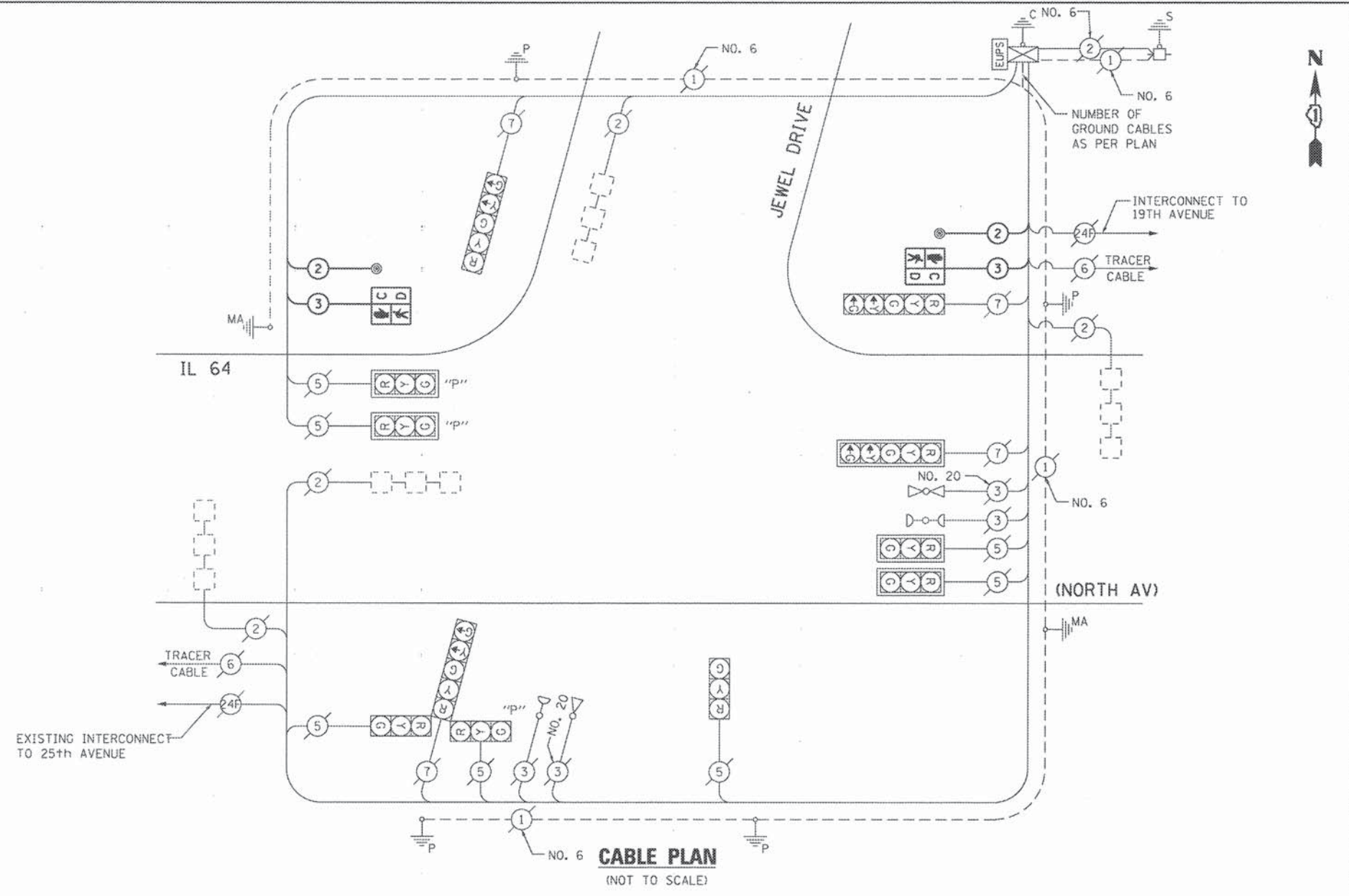
- ◉ DUAL ENTRY PHASE
- ◻ SINGLE ENTRY PHASE
- ◊ O.L. OVERLAP
- ◉ PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE

OVERLAP LETTER PERMISSIVE PHASE PROTECTED PHASE
 B = 4 + 5

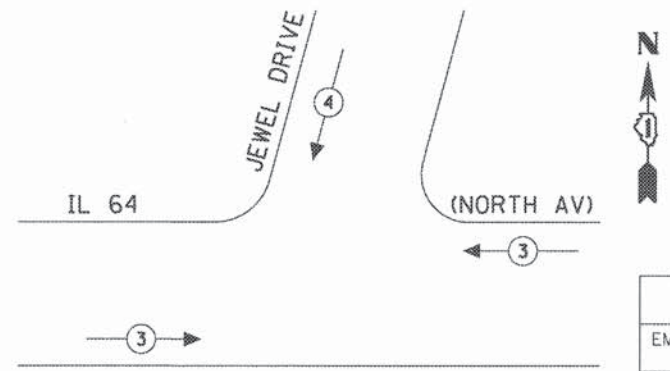
LEGEND

- ◉ DUAL ENTRY PHASE
- ◻ SINGLE ENTRY PHASE
- ◊ O.L. OVERLAP
- ◉ PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE

OVERLAP LETTER PERMISSIVE PHASE PROTECTED PHASE
 B = 4 + 5



EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	
MOVEMENT	←	→	↓

SCHEDULE OF QUANTITIES
 IL 64 (NORTH AV) AT JEWEL DRIVE

NO.	QUANT.	UNIT	DESCRIPTION
1.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	224	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
3.	242	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
4.	2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
5.	2	EACH	PEDESTRIAN PUSH-BUTTON
6.	1	EACH	MODIFY EXISTING CONTROLLER CABINET
7.	1	EACH	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL-1

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

TYPE	NO LAMPS	WATTAGE		%OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	11	135	17	0.50	93.5
(YELLOW)	11	135	25	0.25	68.75
(GREEN)	11	135	15	0.25	41.25
ARROW	8	135	12	0.10	9.6
P.D. SIGNAL	2	90	25	1.00	50
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84		0.05	
BATTERY BACKUP	1		25	1.00	25
FLASHER		135	25	0.50	
ENERGY COSTS TO:					TOTAL = 388.1

ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196-1096
 ENERGY SUPPLY CONTACT: JOE STACHO
 PHONE: (630) 424-5704
 COMPANY: COM-ED LOMBARD

GHA GEWALT HAMILTON ASSOCIATES, INC.

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

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN,
 PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION
 IL 64 (NORTH AV) AT JEWEL DRIVE

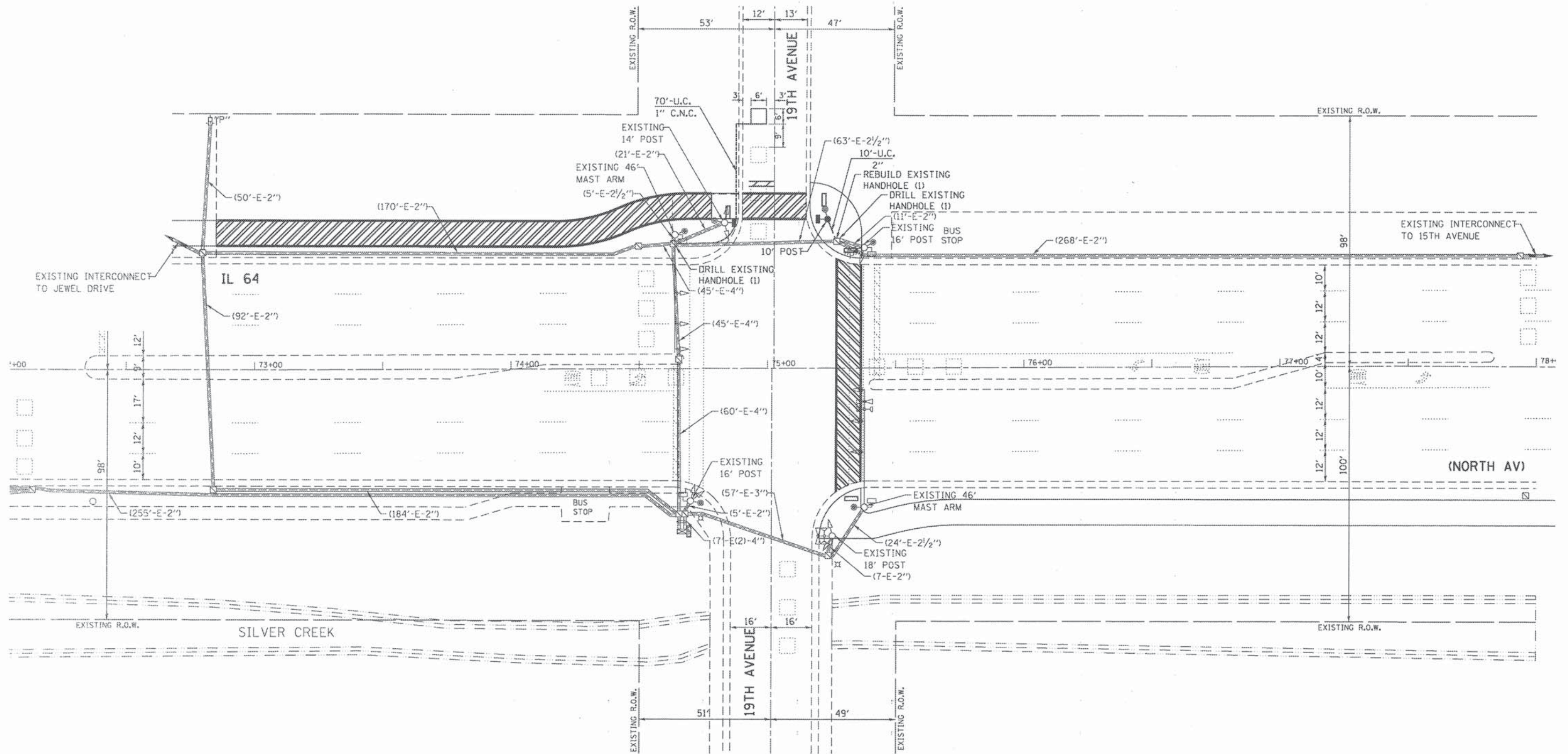
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00110-00-BT	COOK	155	86
				CONTRACT NO. 61B78

SCALE: NONE SHEET TS17 OF TS45 SHEETS STA. TO STA. ILLINOIS FED. AID PROJECT

FILE NAME	USER NAME	DESIGNED	REVISED
TS17 - North Jewel-TS-Cable.dgn	zwilston	JRD	-
		ZCW	-
		DPB	-
			-

PLOT SCALE = 1:20
 PLOT DATE = 8/7/2015

TS #10915
 GHA #4941.800



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

FILE NAME =	USER NAME = zwellisten	DESIGNED - JRD	REVISED -
TS18 - North19th-TS-Para.dgn		DRAWN - ZCW	REVISED -
	PLOT SCALE = 1/2"=20'	CHECKED - DPB	REVISED -
	PLOT DATE = 8/7/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

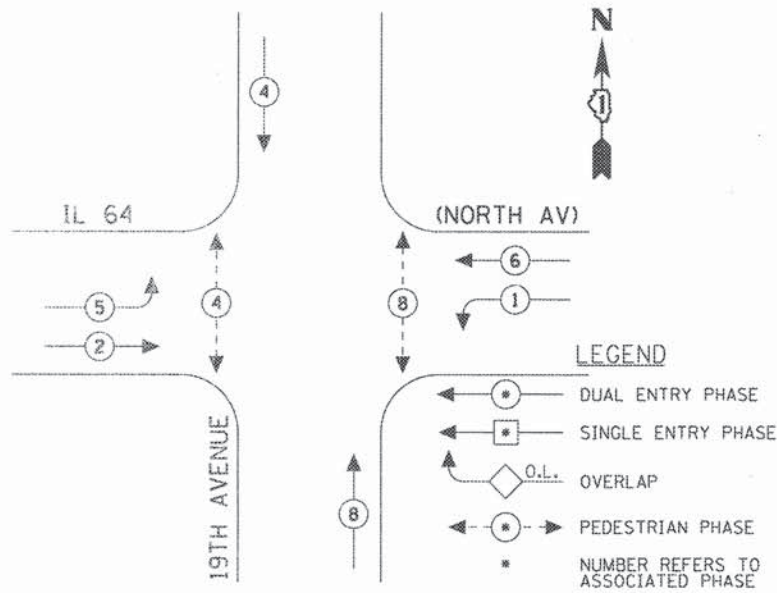
SCALE: 1"=20'		SHEET TS18 OF TS45 SHEETS		STA.	TO STA.
---------------	--	---------------------------	--	------	---------

TRAFFIC SIGNAL MODIFICATION PLAN -
IL 64 (NORTH AV) AT 19TH AVENUE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00110-00-BT	COOK	155	87
CONTRACT NO. 61B78				
ILLINOIS FED. AID PROJECT				

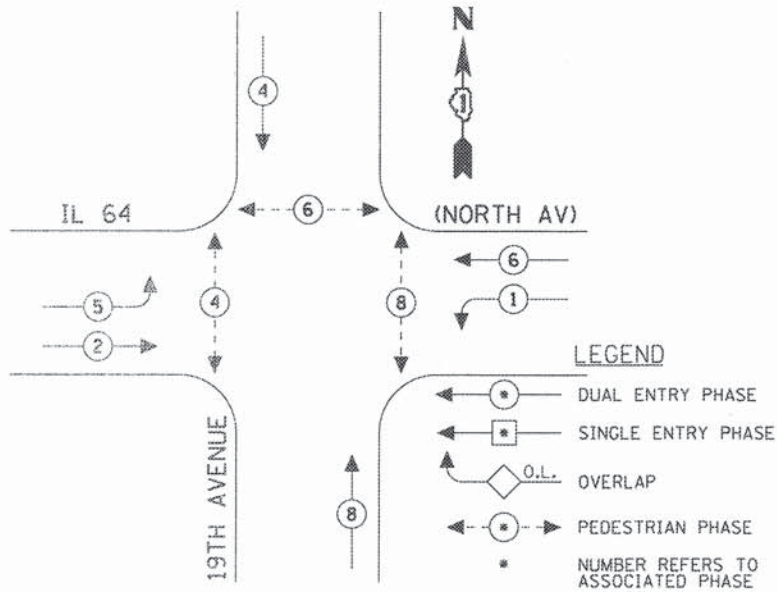
TS #3015
GHA #4941.800

EXISTING CONTROLLER SEQUENCE



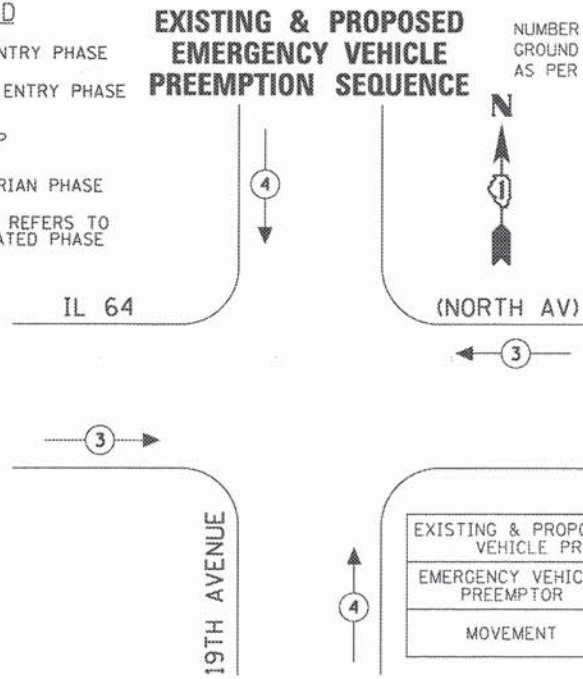
EXISTING PHASE DESIGNATION DIAGRAM

PROPOSED CONTROLLER SEQUENCE

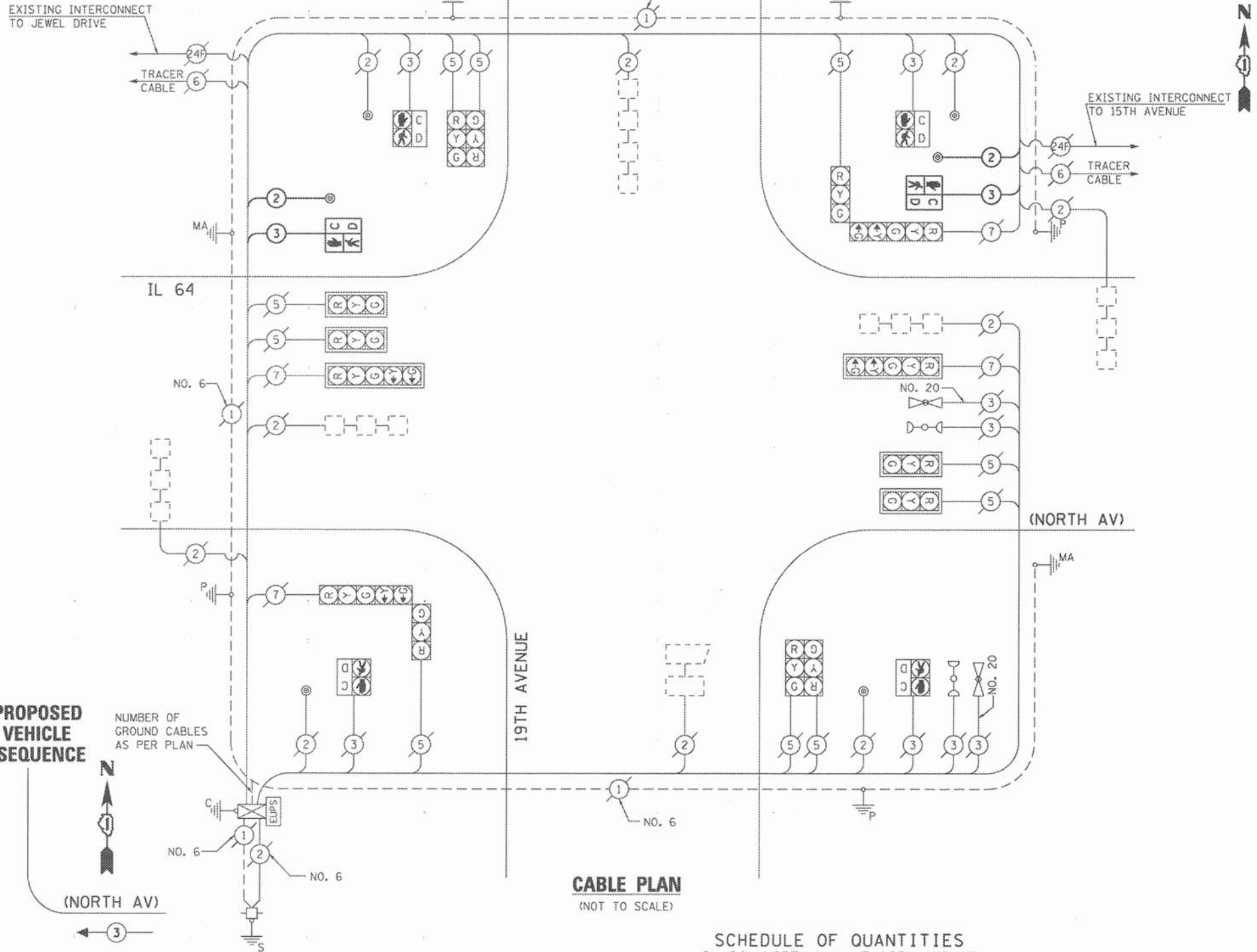


PROPOSED PHASE DESIGNATION DIAGRAM

EXISTING & PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



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



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES
IL 64 (NORTH AV) AT 19TH AVENUE

NO.	QUANT.	UNIT
1.	10	FOOT UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
2.	1	EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
3.	403	FOOT ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
4.	421	FOOT ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
5.	21	FOOT ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
6.	1	EACH TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.
7.	4	FOOT CONCRETE FOUNDATION, TYPE A
8.	1	EACH DRILL EXISTING HANDHOLE
9.	2	EACH PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
10.	27	FOOT DETECTOR LOOP, TYPE I
11.	2	EACH PEDESTRIAN PUSH-BUTTON
12.	1	EACH MODIFY EXISTING CONTROLLER CABINET
13.	1	EACH REBUILD EXISTING HANDHOLE
14.	1	EACH RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL-1

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

TYPE	NO LAMPS	WATTAGE		%OPERATION	TOTAL WATTAGE
		INCAND.	LED		
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	8	135	12	0.10	9.6
PED. SIGNAL	6	90	25	1.00	150
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84		0.05	
BATTERY BACKUP	1		25	1.00	25
FLASHER		135	25	0.50	
ENERGY COSTS TO:					TOTAL = 543.6

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096
ENERGY SUPPLY CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COM-ED LOMBARD

GHA GEWALT HAMILTON ASSOCIATES, INC.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FILE NAME =	USER NAME = zwillinton	DESIGNED - JRD	REVISED -
TS19 - (D:\the190v-TS-Cob1.dgn)		DRAWN - ZCW	REVISED -
		CHECKED - DPB	REVISED -
		DATE -	REVISED -

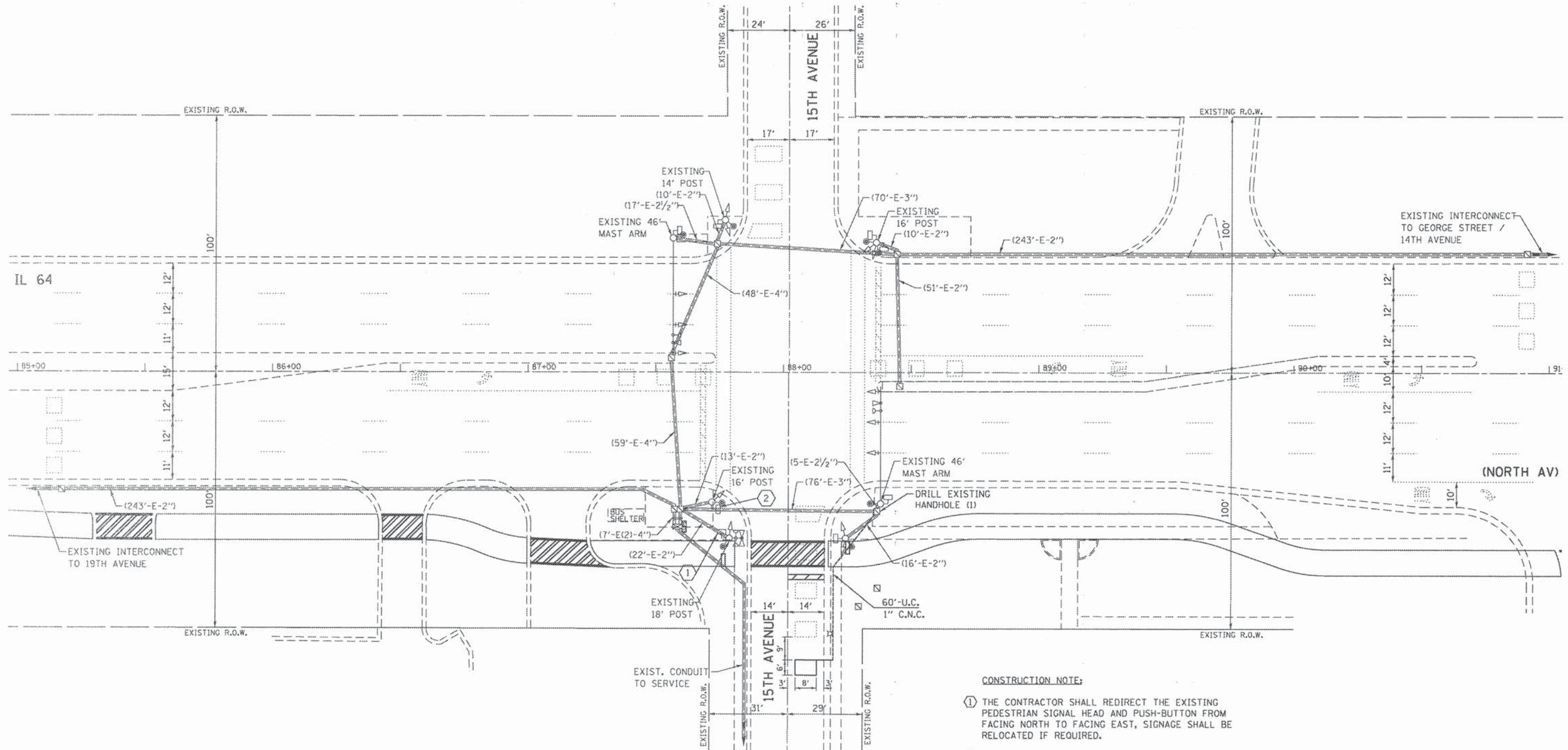
SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION
DIAGRAM AND EMERGENCY VEHICLE PREEMPTION
IL 64 (NORTH AV) AT 19TH AVENUE

SCALE: NONE SHEET TS19 OF TS45 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00110-00-BT	COOK	155	88
CONTRACT NO. 61B7B				

ILLINOIS FED. AID PROJECT

TS #3015
GHA #4941.800



CONSTRUCTION NOTE:

- ① THE CONTRACTOR SHALL REDIRECT THE EXISTING PEDESTRIAN SIGNAL HEAD AND PUSH-BUTTON FROM FACING NORTH TO FACING EAST, SIGNAGE SHALL BE RELOCATED IF REQUIRED.
- ② THE CONTRACTOR SHALL REDIRECT THE EXISTING PEDESTRIAN SIGNAL HEAD AND PUSH-BUTTON FROM FACING EAST TO FACING NORTH, SIGNAGE SHALL BE RELOCATED IF REQUIRED.



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

FILE NAME = TS20 - North15th-TS-Plan.dgn	USER NAME = zwillner	DESIGNED - JRD	REVISED -
		DRAWN - ZCW	REVISED -
		CHECKED - DPB	REVISED -
		DATE - 8/7/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN -
IL 64 (NORTH AV) AT 15TH AVENUE

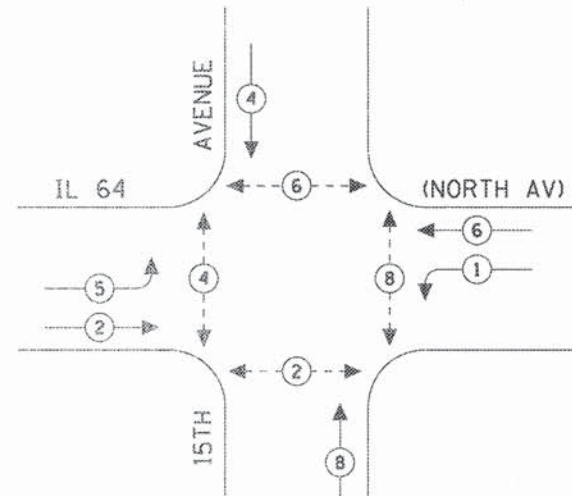
SCALE: 1"=20' SHEET TS20 OF TS45 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00110-00-BT	COOK	155	89
CONTRACT NO. 61B78				

TS #14265
GHA #4941.800

ILLINOIS FED. AID PROJECT

EXISTING AND PROPOSED CONTROLLER SEQUENCE

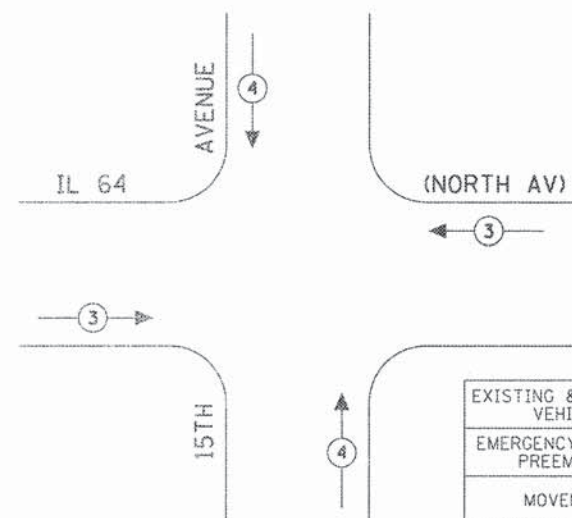


LEGEND

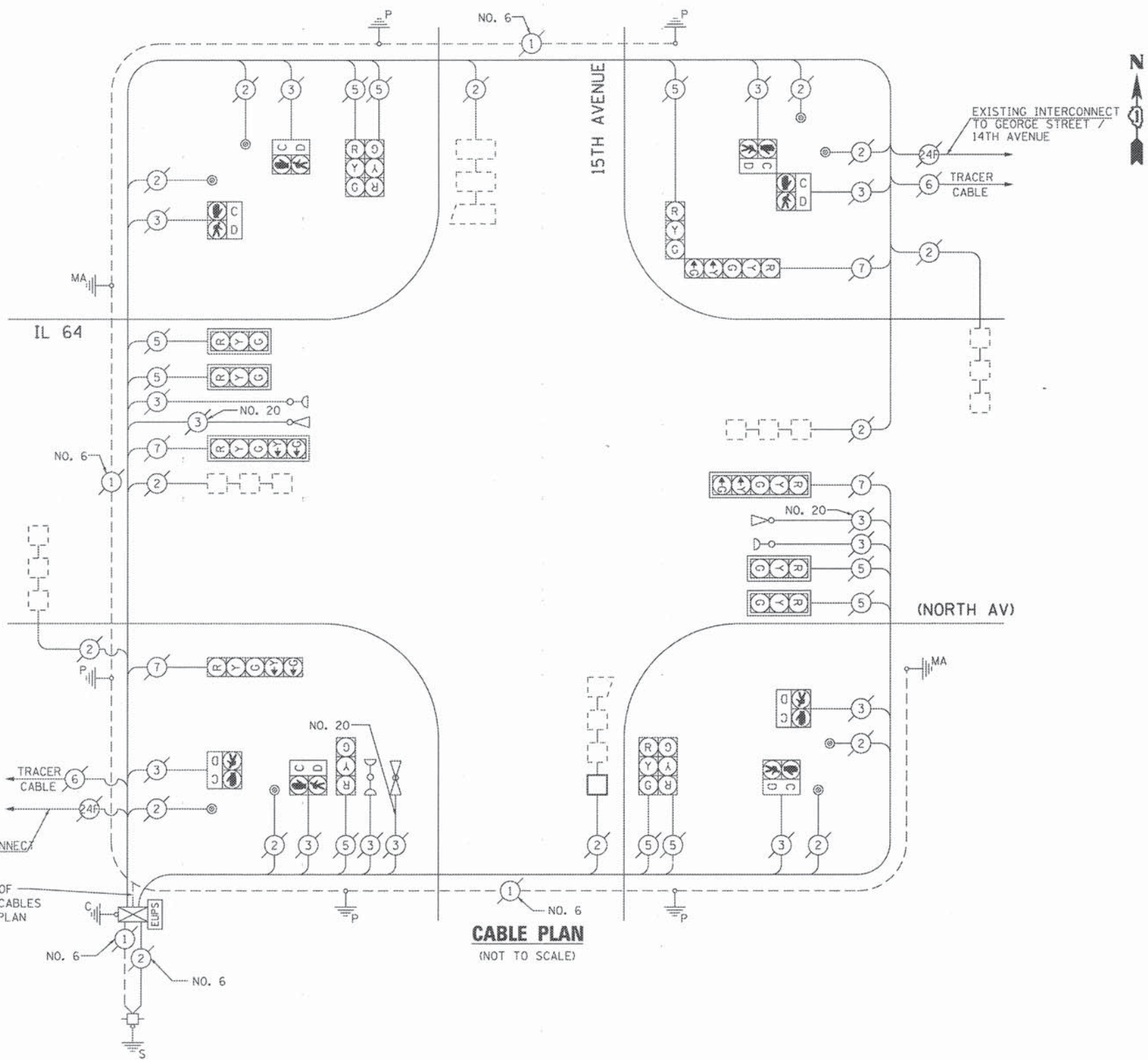
- ◉ DUAL ENTRY PHASE
- ◻ SINGLE ENTRY PHASE
- ◊ O.L. OVERLAP
- ◉ PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE

EXISTING AND PROPOSED PHASE DESIGNATION DIAGRAM

EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



EXISTING & PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	
MOVEMENT	↔	↕	



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES
IL 64 (NORTH AV) AT 15TH AVENUE

NO.	QUANT.	UNIT	DESCRIPTION
1.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	1	EACH	DRILL EXISTING HANDHOLE
3.	31	FOOT	DETECTOR LOOP, TYPE I
4.	1	EACH	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL-1

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
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	8	135	12	0.10	9.6
PED. SIGNAL	8	90	25	1.00	200
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84		0.05	
BATTERY BACKUP	1		25	1.00	25
FLASHER		135	25	0.50	
ENERGY COSTS TO:				TOTAL =	593.6

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096
ENERGY SUPPLY CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COM-ED LOMBARD



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

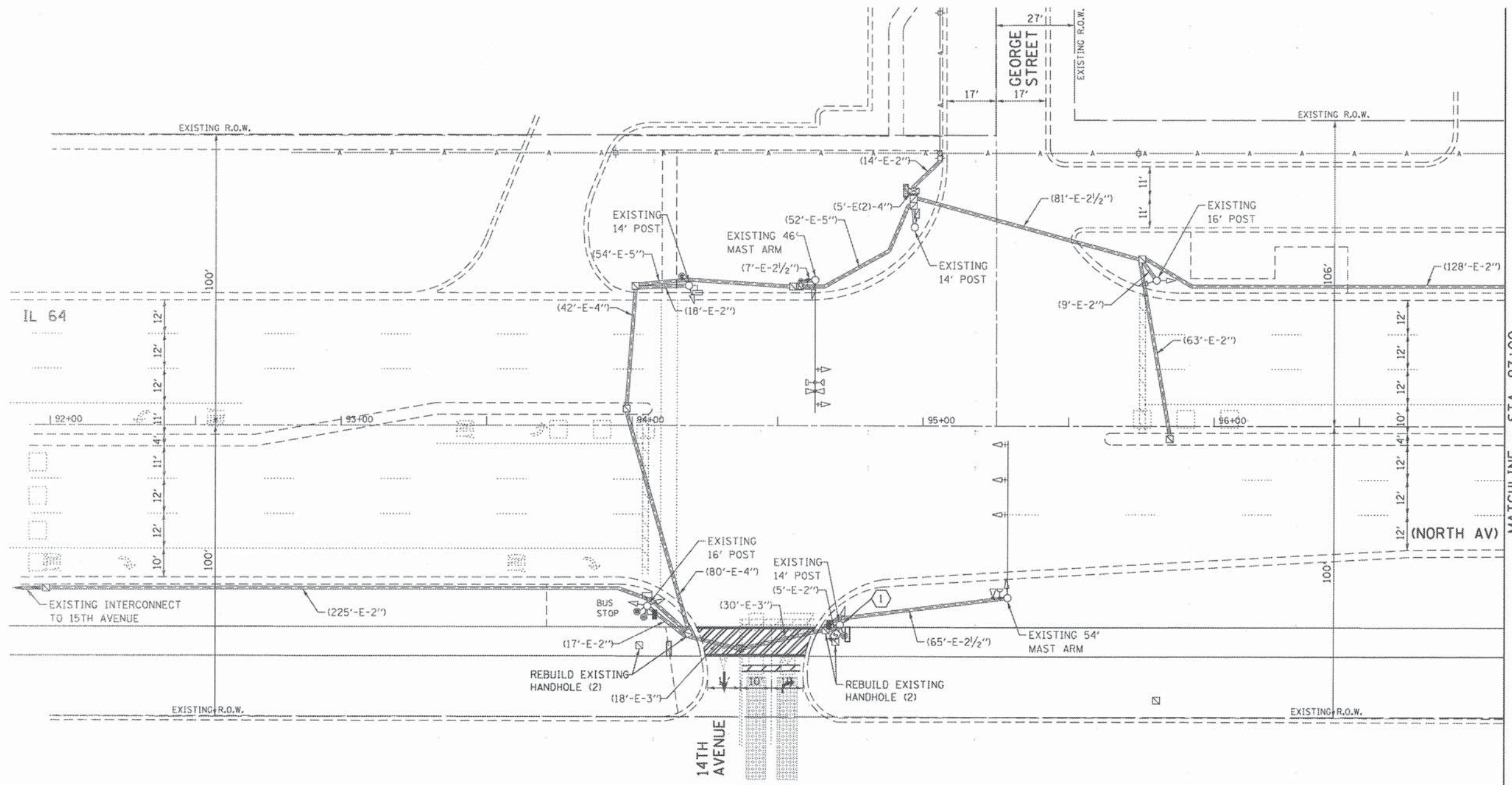
FILE NAME = TS21 - No. 015 (H-TG-Cable).dgn	USER NAME = zwallsten	DESIGNED - JRD	REVISED -
	PLOT SCALE = 1:200	DRAWN - ZCW	REVISED -
	PLOT DATE = 8/7/2015	CHECKED - DPB	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION			
IL 64 (NORTH AV) AT 15TH AVENUE			
SCALE: NONE	SHEET TS21	OF TS45 SHEETS	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00110-00-BT	COOK	155	90
CONTRACT NO. 61B78			ILLINOIS FED. AID PROJECT	

TS #14265
GHA #4941.800



MATCHLINE - STA. 97+00

CONSTRUCTION NOTE:
 ① THE CONTRACTOR SHALL INSTALL THE RADAR VEHICLE SENSOR SYSTEM ON THE EXISTING 14' POST OR AS DIRECTED BY THE AREA TRAFFIC ENGINEER.



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

FILE NAME: 7522-23 - NorthGeorge-TS-Plan.dgn	USER NAME: zwallsten	DESIGNED - JRD	REVISED -
		DRAWN - ZCW	REVISED -
		CHECKED - DPB	REVISED -
		DATE -	REVISED -

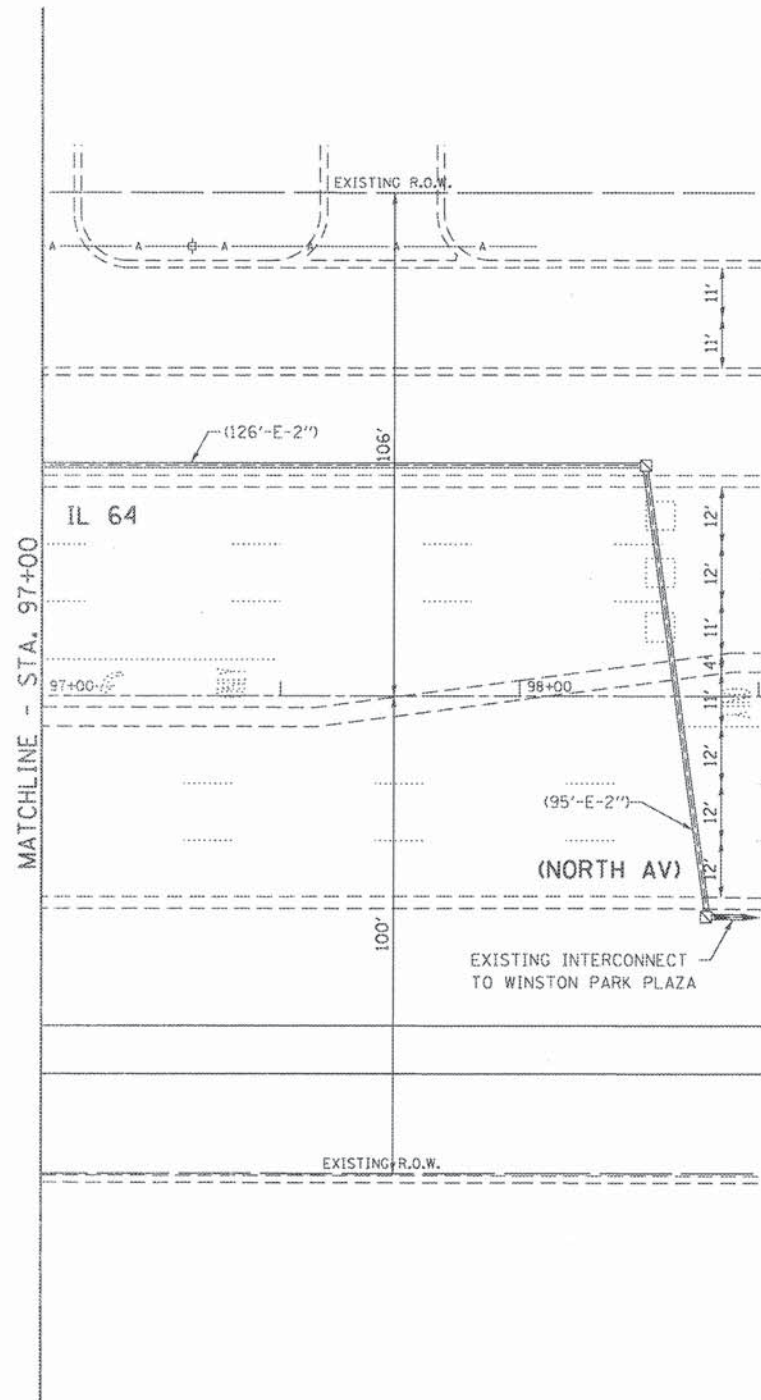
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN -
IL 64 (NORTH AV) AT GEORGE STREET /14TH AVENUE**

SCALE: 1"=20' SHEET TS22 OF TS45 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00110-00-BT	COOK	155	91
CONTRACT NO. 61B78				
ILLINOIS FED. AID PROJECT				

TS #3040
GHA #4941.800



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

FILE NAME = TS22-23 - NorthGeorge-TS-Perm.dgn	USER NAME = zwalisten	DESIGNED - JRD	REVISED -
Default	PLOT SCALE = 1:20	DRAWN - ZCW	REVISED -
	PLOT DATE = 8/7/2015	CHECKED - DPB	REVISED -
		DATE -	REVISED -

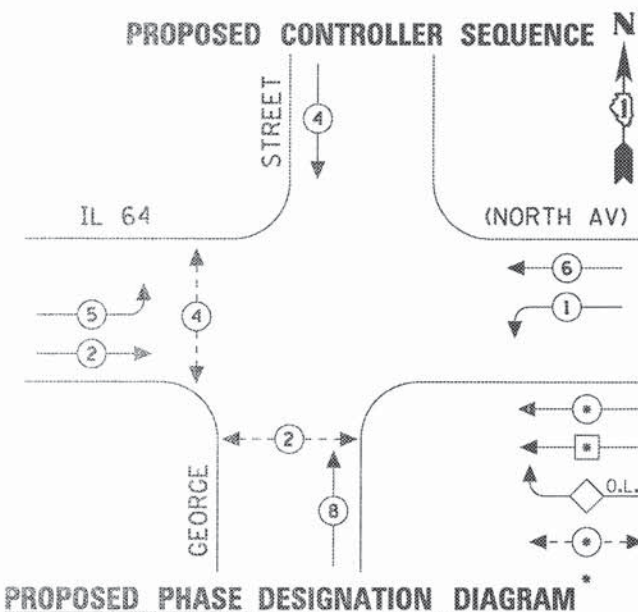
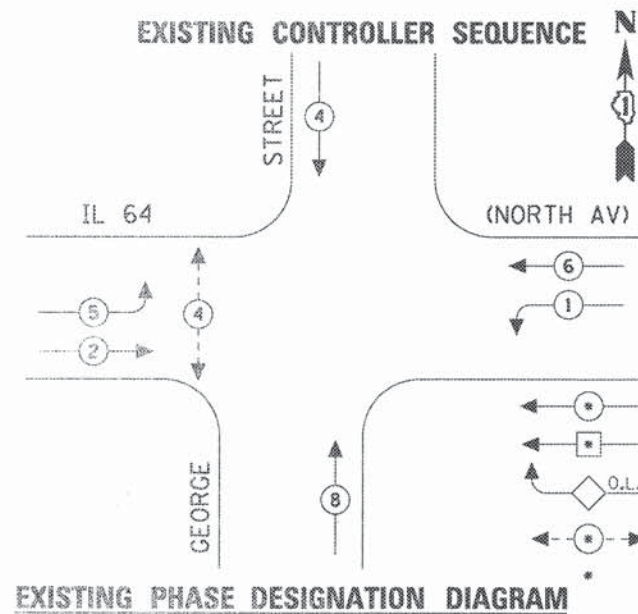
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN -
IL 64 (NORTH AV) AT GEORGE STREET / 14TH AVENUE

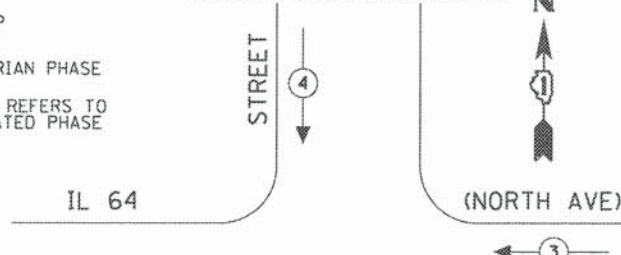
SCALE: 1"=20' SHEET TS23 OF TS45 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00110-00-BT	COOK	155	92
				CONTRACT NO. 61B78
ILLINOIS FED. AID PROJECT				

TS #3040
GHA #4941.800

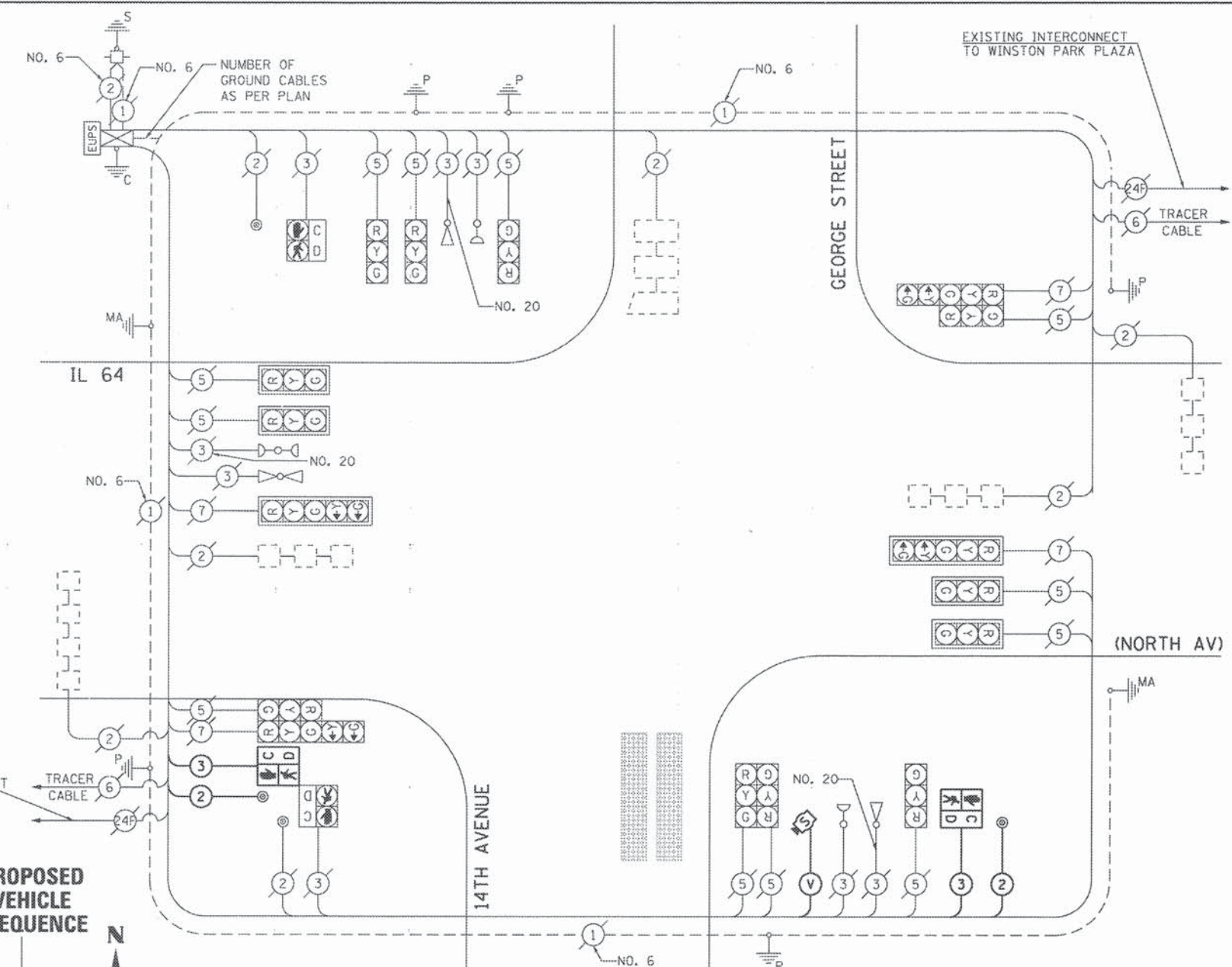


EXISTING & PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



EXISTING & PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	
MOVEMENT	←	→	↑

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



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES
IL 64 (NORTH AV) AT GEORGE STREET / 14TH AVENUE

NO.	QUANT.	UNIT	DESCRIPTION
1.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	667	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
3.	685	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
4.	2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
5.	2	EACH	PEDESTRIAN PUSH-BUTTON
6.	1	EACH	MODIFY EXISTING CONTROLLER CABINET
7.	4	EACH	REBUILD EXISTING HANDHOLE
8.	1	EACH	RADAR VEHICLE SENSOR SYSTEM
9.	1	EACH	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL-1

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE INCAND.	WATTAGE LED	OPERATION	
SIGNAL (RED)	16	135	17	0.50	136
(YELLOW)	16	135	25	0.25	100
(GREEN)	16	135	15	0.25	60
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	4	90	25	1.00	100
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84		0.05	
CONTROLLER	1		25	1.00	25
FLASHER		135	25	0.50	
ENERGY COSTS TO:					TOTAL = 530.6

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096
ENERGY SUPPLY CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COM-ED LOMBARD

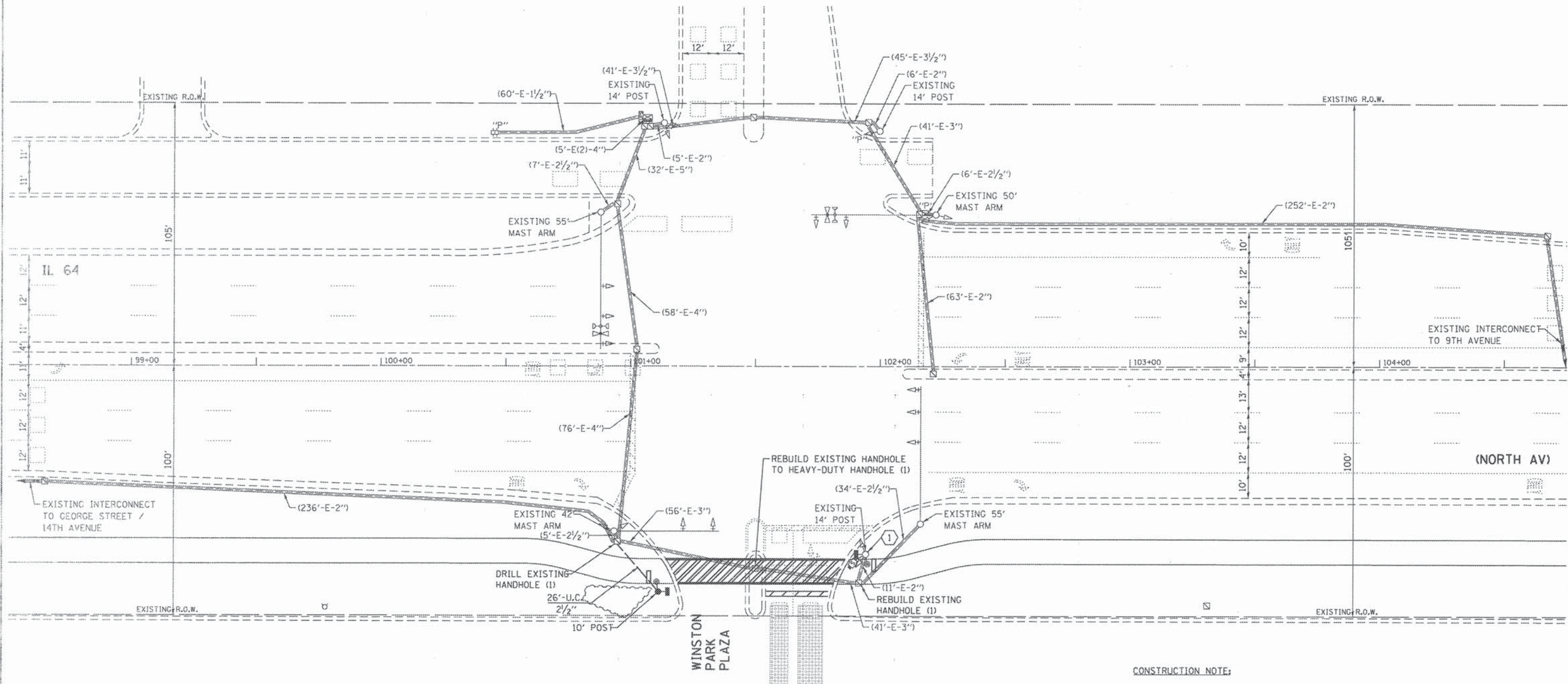


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FILE NAME: TS24 - NorthGeorge-TS-Cable.dgn	USER NAME: zwillsten	DESIGNED: JRD	REVISED:
		DRAWN: ZCW	REVISED:
		CHECKED: DPB	REVISED:
		DATE:	REVISED:

SCALE: NONE	SHEET TS24 OF TS45 SHEETS	STA. TO STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				08-00110-00-BT	COOK	155	93
							CONTRACT NO. 61B78
ILLINOIS FED. AID PROJECT							

TS #3040
GHA #4941.800



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

FILE NAME =	USER NAME = zwellsten	DESIGNED - JRD	REVISED -
TS25 - Winston Park Plaza-TS-Plan.dgn		DRAWN - ZCW	REVISED -
Defaults		CHECKED - DPB	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

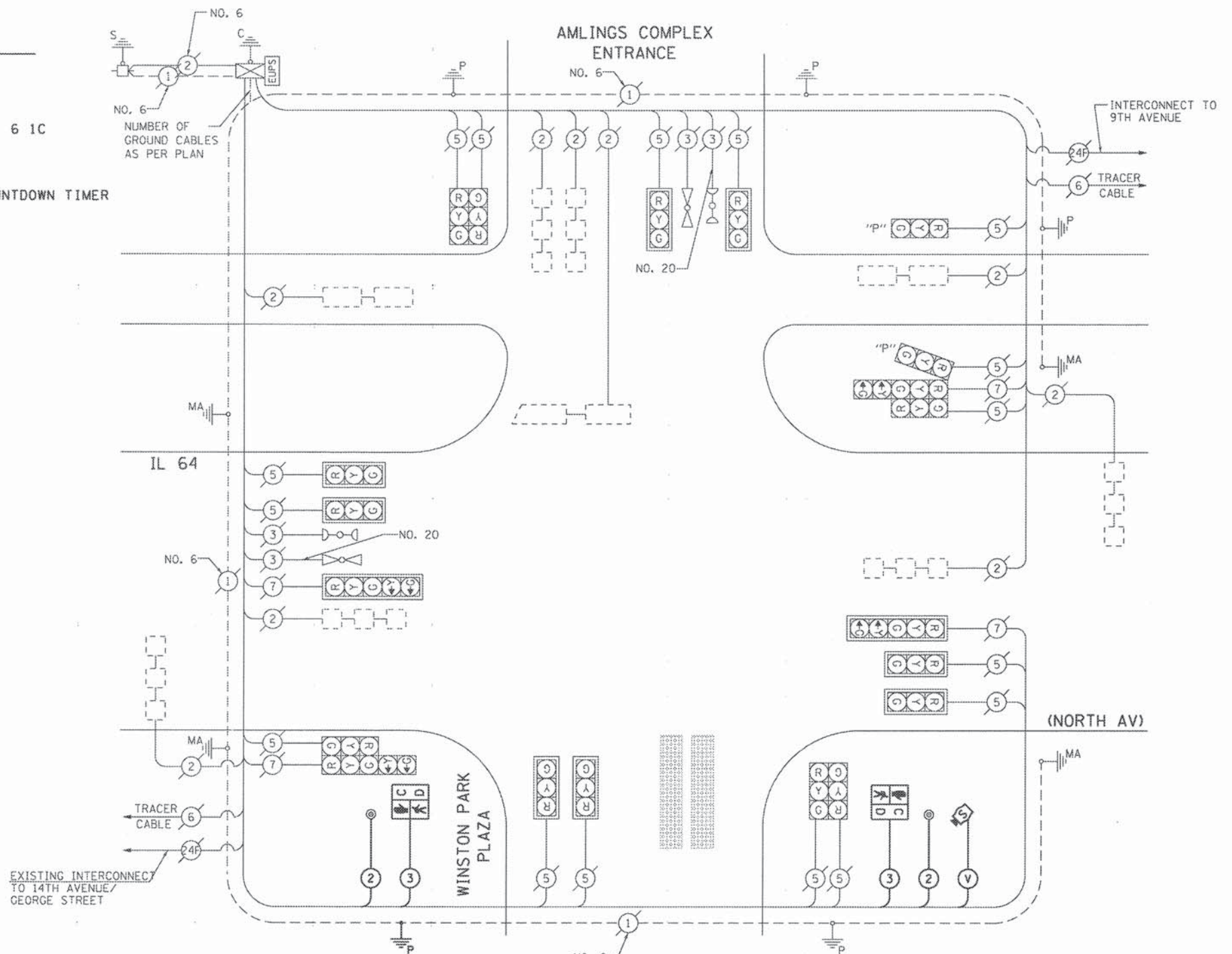
TRAFFIC SIGNAL MODIFICATION PLAN -
 IL 64 (NORTH AV) AT WINSTON PARK PLAZA
 SCALE: 1"=20' SHEET TS25 OF TS45 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00110-00-BT	COOK	155	94
CONTRACT NO. 61B78				
[ILLINOIS] FED. AID PROJECT				

TS #8800
 GHA #4941.800

SCHEDULE OF QUANTITIES
IL 64 (NORTH AV) AT WINSTON PARK PLAZA

NO.	QUANT.	UNIT	DESCRIPTION
1.	26	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
2.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
3.	581	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
4.	599	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
5.	37	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
6.	1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.
7.	4	FOOT	CONCRETE FOUNDATION, TYPE A
8.	1	EACH	DRILL EXISTING HANDHOLE
9.	2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
10.	2	EACH	PEDESTRIAN PUSH-BUTTON
11.	1	EACH	REBUILD EXISTING HANDHOLE
12.	1	EACH	REBUILD EXISTING HANDHOLE TO HEAVY-DUTY HANDHOLE
13.	1	EACH	RADAR VEHICLE SENSOR SYSTEM
14.	1	EACH	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL-1



CABLE PLAN
(NOT TO SCALE)

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE		%OPERATION	
		INCAND.	LED		
SIGNAL (RED)	20	135	17	0.50	170
(YELLOW)	20	135	25	0.25	125
(GREEN)	20	135	15	0.25	75
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	2	90	25	1.00	50
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84		0.05	
BATTERY BACKUP	1		25	1.00	25
FLASHER		135	25	0.50	
ENERGY COSTS TO:				TOTAL =	554.6

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096
ENERGY SUPPLY CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COM-ED LOMBARD



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

FILE NAME =	USER NAME = zwoilston	DESIGNED - JRD	REVISED -
1526 - NorthWinston Park Plaza-TS-Cable.dgn		DRAWN - ZCW	REVISED -
		CHECKED - DPB	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES AND CABLE PLAN IL 64 (NORTH AV) AT WINSTON PARK PLAZA			
SCALE: NONE	SHEET TS26 OF TS45 SHEETS	STA.	TO STA.

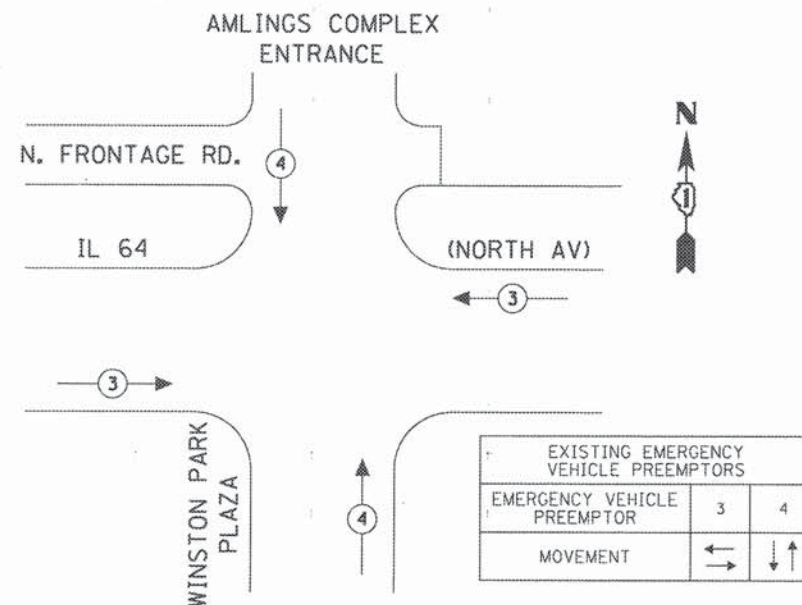
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00110-00-BT	COOK	155	95
CONTRACT NO. 61B78				
[ILLINOIS] FED. AID PROJECT				

TS #8800
GHA #4941.800

EXISTING SEQUENCE OF OPERATION

MOVEMENT	5 → ↑ ↓ ← 1				5 → ↑ 2 → →				← 6 ↓ ← 1				← 6 2 → →			3 → →			4 ↓ ↑ ↑ 4			FLASH				
PHASE	1+5				2+5				1+6				2+6			3			4							
INTERVAL	1	2	3	4	5	6A	6B	7	8A	8B	9	10A	10B	11	12A	12B	13	14A	14B	15	16A		16B	17	18A	18B
CHANGE TO	/	2+5	1+6	ALL OTHERS	/	1+5		2+6	ALL OTHERS		/	1+5		2+6	ALL OTHERS		/	3 OR 4		/	ALL OTHERS		/	ALL OTHERS		
IL 64 (NORTH AV) NEAR RIGHT AND MID MAST ARM SIGNALS	E/B	R	R	R	R	G	Y	R	G	Y	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R
IL 64 (NORTH AV) FAR LEFT AND END MAST ARM SIGNALS	E/B	R ←G	R ←G	R ←Y	R ←Y	←G	Y ←G	R ←G	G ←Y	Y	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R
IL 64 (NORTH AV) NEAR RIGHT AND MID MAST ARM SIGNALS	W/B	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	Y	R	G	Y	R	R	R	R	R	R	R
IL 64 (NORTH AV) FAR LEFT AND END MAST ARM SIGNALS	W/B	R ←G	R ←Y	R ←G	R ←Y	R	R	R	R	R	R	G ←G	Y ←G	R ←G	G ←Y	Y	R	G	Y	R	R	R	R	R	R	R
SERVICE ROAD (FRONTAGE ROAD) NORTH SIDE	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R
WINSTON PARK PLAZA ALL SIGNALS	N/B AND S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



FILE NAME *	USER NAME = zwellsten	DESIGNED - JRD	REVISED -
TS27-28 - North Winston Park Plaza-Chan	zudgn	DRAWN - ZCW	REVISED -
	PLOT SCALE = 1:20	CHECKED - DPB	REVISED -
	PLOT DATE = 8/7/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING SEQUENCE OF OPERATION AND EXISTING
EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL 64 (NORTH AV) AT WINSTON PARK PLAZA

SCALE: NONE SHEET TS27 OF TS45 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00110-00-BT	COOK	155	96
CONTRACT NO. 61B78			ILLINOIS FED. AID PROJECT	

GHA #4941.800

PROPOSED SEQUENCE OF OPERATION

MOVEMENT																											FLASH		
PHASE	1+5				2+5								1+6				2+6				3			4					
INTERVAL	1	2	3	4	5	6	6	7	8	9	9	10	11	11	12	13	13	14	15	16	16	17	18	18	19	20		20	
CHANGE TO	/	2+5	1+6	ALL OTHERS	θ	θ	/	1+5	2+6	ALL OTHERS	/	1+5	2+6	ALL OTHERS	θ	θ	3 OR 4	/	ALL OTHERS	/	ALL OTHERS	/	ALL OTHERS	/	ALL OTHERS	/		ALL OTHERS	
IL 64 (NORTH AV) NEAR RIGHT AND MID MAST ARM SIGNALS	E/B	R	R	R	R	G	G	Y	R	G	Y	R	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	
IL 64 (NORTH AV) FAR LEFT AND END MAST ARM SIGNALS	E/B	R	R	R	R	←G	←G	Y	R	G	Y	R	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	
IL 64 (NORTH AV) NEAR RIGHT AND MID MAST ARM SIGNALS	W/B	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	Y	R	G	G	Y	R	R	R	R	R	R	R	
IL 64 (NORTH AV) FAR LEFT AND END MAST ARM SIGNALS	W/B	R	R	R	R	←G	←Y	←G	←Y	R	R	R	R	G	Y	R	G	Y	R	G	G	Y	R	R	R	R	R	R	R
SERVICE ROAD (FRONTAGE ROAD) NORTH SIDE	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
WINSTON PARK PLAZA ALL SIGNALS	N/B AND S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
PEDESTRIAN SIGNALS X-ING WINSTON PARK PLAZA SOUTH SIDE IL 64 (NORTH AV)		H	H	H	H	*	**	**	H	H	H	H	H	H	H	H	H	H	*	**	**	H	H	H	H	H	H	H	

* TO APPEAR ONLY UPON PUSHBUTTON ACTUATION

** FLASHING " " IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE.

θ THIS " " OR FLASHING " " INTERVAL MAY FINISH TIMING IN THE BIDIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT ARROW TIME IS NOT SUFFICIENT TO COMPLETE " " OR FLASHING " " INTERVALS

P = ILLUMINATED PERSON = WALK
 FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK
 H = ILLUMINATED SOLID HAND = DON'T WALK

PHASES 2 AND 6 SHALL BE PLACED ON RECALL.

FL = FLASHING
 DK = DARK



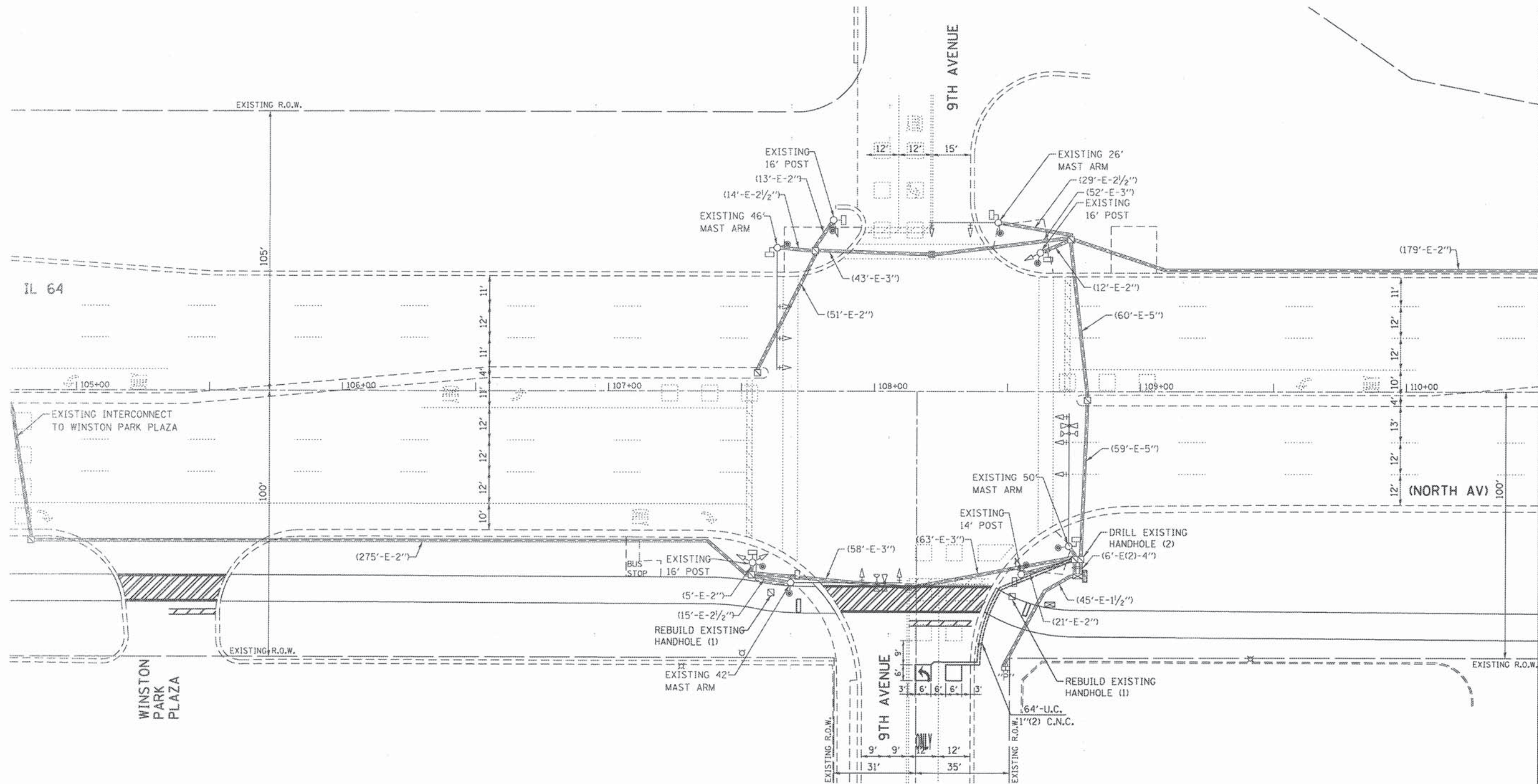
FILE NAME = 1527-28 - No. Winston Park Plaza-Ch...	USER NAME = zwojstien	DESIGNED - JRD	REVISED -
	DRAWN - ZCW	REVISIONS -	
	CHECKED - DPB	REVISIONS -	
	DATE - 8/7/2015	REVISIONS -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED SEQUENCE OF OPERATION IL 64 (NORTH AV) AT WINSTON PARK PLAZA			
SCALE: NONE	SHEET TS28 OF TS45 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00110-00-BT	COOK	155	97
CONTRACT NO. 61B78				
ILLINOIS FED. AID PROJECT				

GHA #4941.800



MATCHLINE - STA. 110+50



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

FILE NAME : TS29-38 - North 9th-TS-Perm.dgn
Default

USER NAME = zwallsten
PLOT SCALE = 1/2"=20'
PLOT DATE = 8/7/2015

DESIGNED - JRD
DRAWN - ZCW
CHECKED - DPB
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

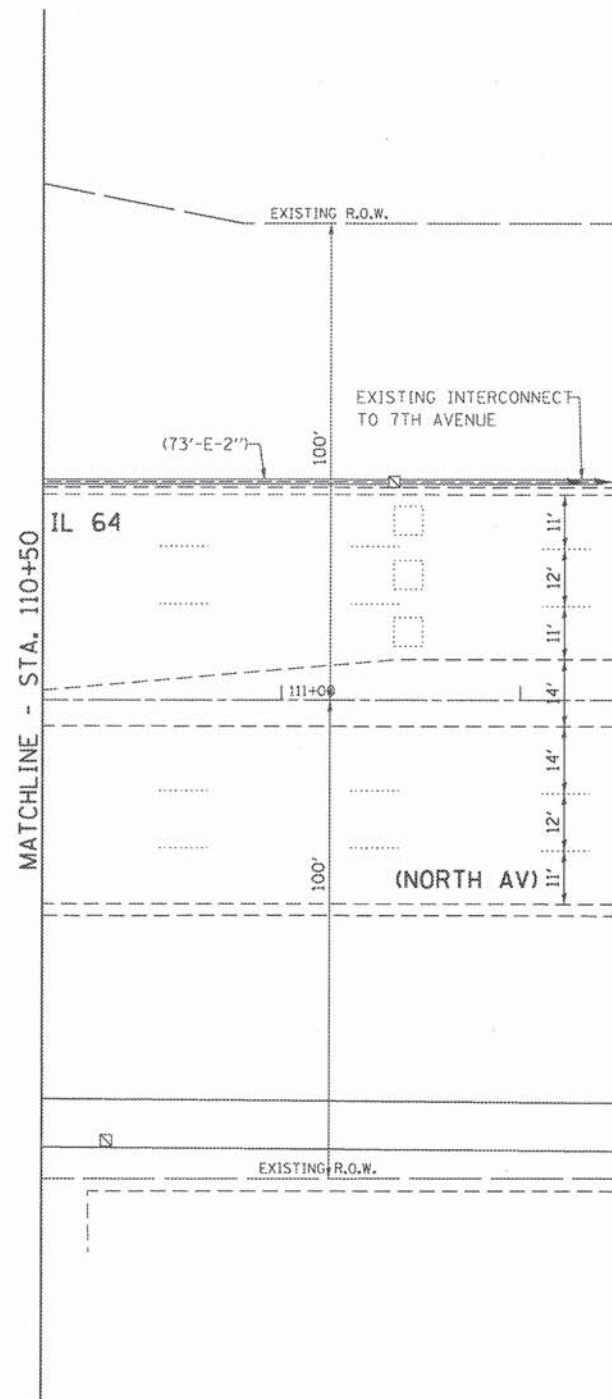
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN -
IL 64 (NORTH AV) AT 9TH AVENUE

SCALE: 1"=20' SHEET TS29 OF TS45 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00110-00-BT	COOK	155	98
				CONTRACT NO. 61B78
ILLINOIS FED. AID PROJECT				

TS #3010
GHA #4941.800



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

FILE NAME : TS29-38 - North9th-TS-Paradigm
 Defaults

USER NAME = zwellston
 PLOT SCALE = 1:20
 PLOT DATE = 8/7/2015

DESIGNED - JRD
 DRAWN - ZCW
 CHECKED - DPB
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

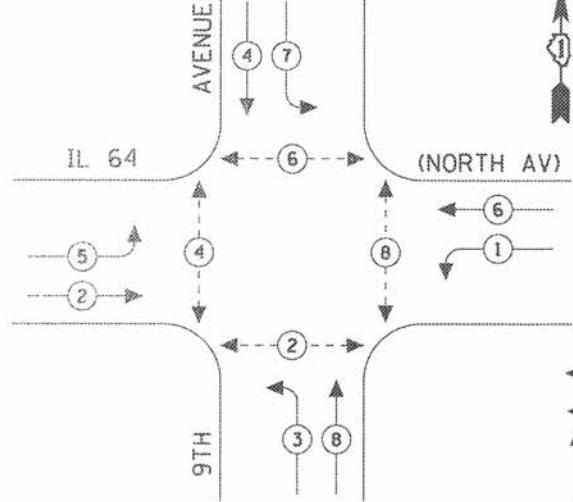
TRAFFIC SIGNAL MODIFICATION PLAN -
 IL 64 (NORTH AV) AT 9TH AVENUE

SCALE: 1"=20' SHEET TS30 OF TS45 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00110-00-BT	COOK	155	99
				CONTRACT NO. 61B78
ILLINOIS FED. AID PROJECT				

TS #3010
 GHA #4941.800

EXISTING AND PROPOSED CONTROLLER SEQUENCE

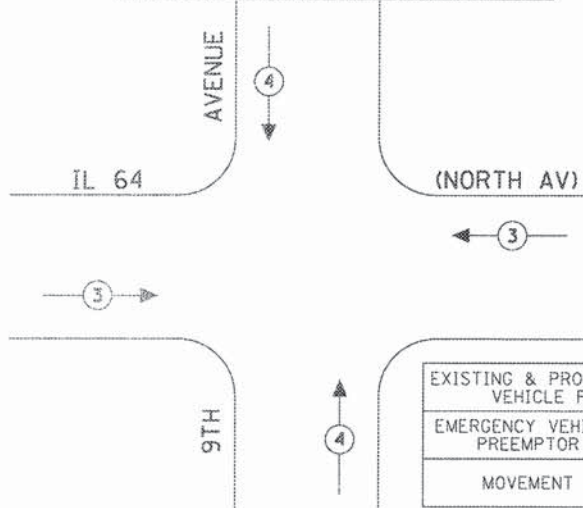


LEGEND

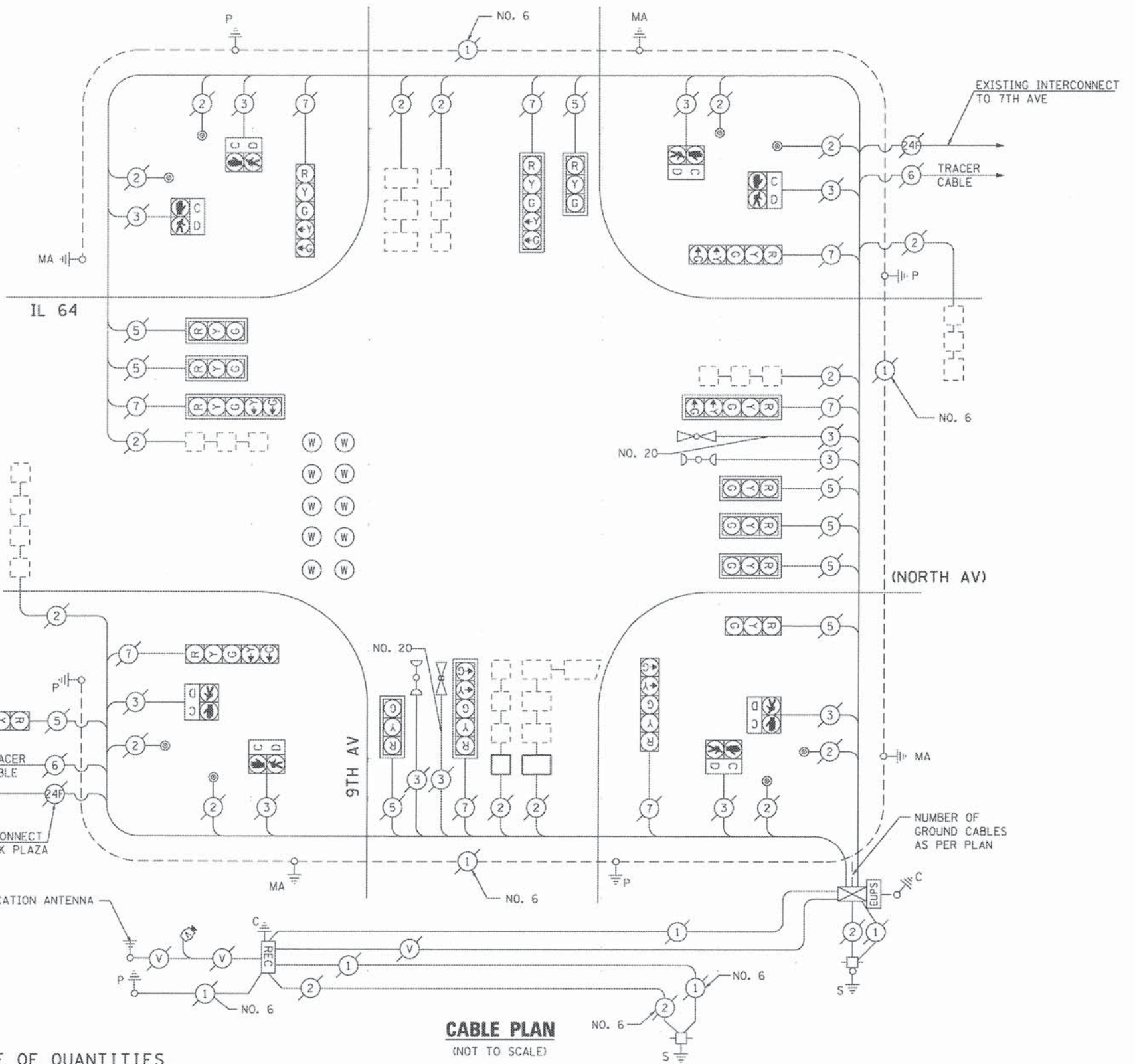
- ⊙ DUAL ENTRY PHASE
- ⊠ SINGLE ENTRY PHASE
- ◊ O.L. OVERLAP
- ⊙ PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE

EXISTING AND PROPOSED PHASE DESIGNATION DIAGRAM

EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



EXISTING & PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↔	↕



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES
IL 64 (NORTH AV) AT 9TH AVENUE

NO.	QUANT.	UNIT	DESCRIPTION
1.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	2	EACH	DRILL EXISTING HANDHOLE
3.	65	FOOT	DETECTOR LOOP, TYPE I
4.	2	EACH	REBUILD EXISTING HANDHOLE
5.	1	EACH	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL-1

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE		OPERATION	
		INCAND.	LED		
SIGNAL (RED)	17		17	0.50	144.5
(YELLOW)	17		25	0.25	106.25
(GREEN)	17		15	0.25	63.75
ARROW	16		12	0.10	19.2
PED. SIGNAL	8		25	1.00	200
CONTROLLER	1		100	1.00	100
ILLUM. SIGN				0.05	
BATTERY BACKUP			25	1.00	25
FLASHER			25	0.50	
ENERGY COSTS TO:					TOTAL = 658.7

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096
ENERGY SUPPLY CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COM-ED LOMBARD

GHA GEWALT HAMILTON ASSOCIATES, INC.

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

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION
IL 64 (NORTH AV) AT 9TH AVENUE
SCALE: NONE SHEET TS31 OF TS45 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00110-00-BT	COOK	155	100
CONTRACT NO. 61B78				

TS #3010
GHA #4941.800

FILE NAME	USER NAME	DESIGNED	REVISED
TS31 - North 9th - TS - Cable.dgn	zwellston	JRD	-
		ZCW	-
		DPB	-
			-

PLOT SCALE = 1:20
PLOT DATE = 8/7/2015