

06-12-2015 LETTING ITEM 017

FOR INDEX OF SHEETS, SEE SHEET 2

FEDERAL AID PROGRAM ENGINEER: FAWAD AQEEL, PE, PTOE (847) 705-4021 SCHAUMBURG, IL

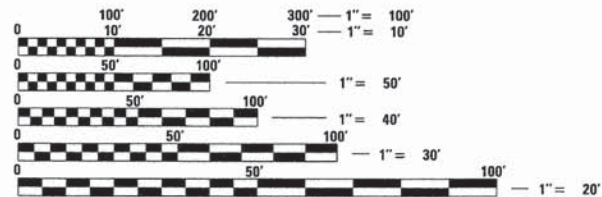
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**
FAU ROUTE 2651 (NORTH ARDMORE AVENUE)
UNION PACIFIC RR TO SOUTH OF NORTH AVENUE
STREETSCAPE IMPROVEMENTS
SECTION NO. 10-00091-00-LS
PROJECT NO. TE-00D1(893)
VILLAGE OF VILLA PARK
DU PAGE COUNTY
C-91-336-12

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	1
		ILLINOIS	CONTRACT NO. 61B07	

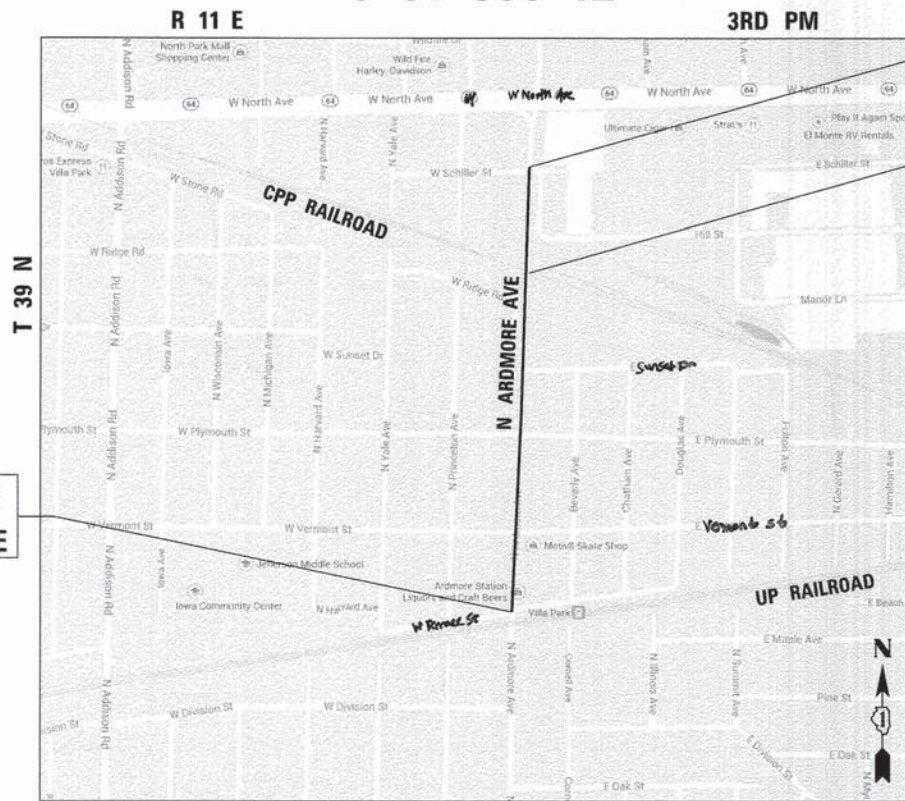
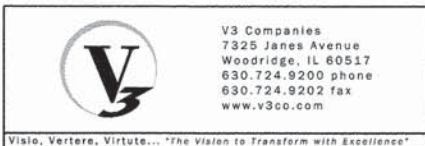
ROADWAY CLASSIFICATION
NORTH ARDMORE AVENUE - MAJOR COLLECTOR

TRAFFIC DATA
2008 - 10,400 ADT
SPEED
POSTED - 25 MPH



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

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



PROJECT BEGINS
STA 201+49.21
N ARDMORE AVE

PROJECT ENDS
STA. 229+70.17
N ARDMORE AVE

EX BRIDGE
STA 222+84.93
STA 224+01.88
SN 022-6930

YORK TOWNSHIP

LOCATION MAP
(NOT TO SCALE)

GROSS LENGTH = 2,820.96 FT. = 0.53 MILE
NET LENGTH = 2,820.96 FT. = 0.53 MILE



LOCATION OF SECTION INDICATED THUS: - [Symbol] -

AGENCY RESPONSIBLE FOR LETTING

APPROVED 12/15/2014
Douglas Jankelich
VILLAGE OF VILLA PARK, DIRECTOR OF PUBLIC WORKS

PASSED APRIL 10, 2015
C. Held CHRISTOPHER HOLT
DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW APRIL 10 2015
John Fortmann Jr.
DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

PROFESSIONAL ENGINEER'S SIGN AND SEAL

[Signature]
MICHAEL J. RECHTORIK, P.E.
#062-058827
EXP. DATE: 11/30/2015
SHEETS: ALL EXCEPT PAGES 29-37



LANDSCAPE ARCHITECT'S SIGN AND SEAL

[Signature]
TIM KING, ASLA, PLA
#157-0009311
EXP. DATE: 08/31/2015
SHEETS: PAGES 29-37



GENERAL NOTES:

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2012 (REFERRED TO AS THE STANDARD SPECIFICATIONS), THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS", AND THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1, 2015.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811, DUPAGE COUNTY AND THE VILLAGE OF VILLA PARK FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
- THE CONTRACTOR WILL NOT BE PERMITTED TO SET UP A YARD OR FIELD OFFICE ON STATE OR VILLAGE PROPERTY WITHOUT PRIOR WRITTEN PERMISSION OF THE DEPARTMENT.
- PRIOR TO NEW WORK, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD CHECK ALL DIMENSIONS AND ELEVATIONS AND TO VERIFY THE LOCATION AND ELEVATION OF EXISTING UTILITY LINES AND STRUCTURES THAT MAY BE IMPACTED BY THE PROPOSED WORK PRIOR TO ORDERING MATERIAL OR BEGINNING CONSTRUCTION. ANY DISCREPANCIES FROM THE PLANS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- THE LOCATION AND ELEVATION OF EXISTING UTILITIES ARE APPROXIMATE. THE EXACT LOCATIONS AND ELEVATIONS ARE TO BE VERIFIED BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES AFFECTED BY THE WORK.
- ANY EXISTING SIDEWALK, CURB, PAVEMENT, AND/OR OTHER APPURTENANCES TO REMAIN AND IS DAMAGED DUE TO CONSTRUCTION SHALL BE REPLACED PROMPTLY AND IN COMPLIANCE WITH IDOT STANDARD SPECIFICATIONS IN MATERIALS AND WORKMANSHIP BY THE CONTRACTOR AT THE CONTRACTOR'S SOLE EXPENSE.
- WHENEVER, DURING CONSTRUCTION OPERATIONS, LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, DITCHES ECT., SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATION, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT. THE CONTRACTOR'S FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIAL CREATED AS A RESULT THEREOF.
- ALL DIMENSIONS, INCLUDING RADII, ARE GIVEN TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- FULL-DEPTH OR RESURFACING SAW CUTS SHALL BE USED TO REMOVE EXISTING PAVING AND APPURTENANCES FROM MATERIAL TO REMAIN IN ACCORDANCE WITH SECTION 440 OF THE STANDARD SPECIFICATIONS. THE COST OF THE SAW CUT SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE DISTURBED. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED EACH LOCATION.
- ALL AREAS OF PLANNED SUBGRADE TREATMENT SHOULD BE VERIFIED IN THE FIELD AT THE TIME OF CONSTRUCTION BY A QUALIFIED SOILS INSPECTOR. ALL POTENTIALLY UNSTABLE/ UNSUITABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL (SSM). ANY AGGREGATE SUBGRADE IMPROVEMENTS (CY) AND GEOTECHNICAL FABRIC FOR GROUND STABILIZATION QUANTITIES NOT USED DURING CONSTRUCTION SHOULD BE DELETED FROM THE CONTRACT.
- THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONARY AND PROTECTIVE MEASURES REQUIRED TO MAINTAIN AND PROTECT EXISTING UTILITIES, SEWERS, MAINS AND APPURTENANCES THAT MUST BE KEPT IN OPERATION. IN PARTICULAR, THE CONTRACTOR SHALL TAKE ADEQUATE MEASURES TO PREVENT THE UNDERMINING OF UTILITIES, SEWERS AND MAINS WHICH WILL REMAIN IN SERVICE. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND UTILITY COMPANY IF IT IS DETERMINED THAT TEMPORARY BRACING OR SUPPORT OF THE UTILITIES IS REQUIRED. THE PROTECTION AND/OR TEMPORARY BRACING OR SUPPORT OF UTILITIES WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

DRAINAGE AND UTILITIES GENERAL NOTES:

- EXISTING MANHOLE / CATCH BASIN RIMS SHALL BE ADJUSTED AS NOTED.
- ALL SEWER AND WATERMAIN CROSSINGS SHALL MEET WITH THE APPLICABLE LOCAL AND STATE GUIDELINES AS DESCRIBED IN THE LATEST EDITION OF THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".
- THE CONTRACTOR SHALL COORDINATE THE PROPOSED STORM SEWER CONSTRUCTION WITH ALL OTHER UTILITY ADJUSTMENTS AND INSTALLATIONS AS APPROVED BY THE ENGINEER.
- UNDERGROUND UTILITIES AND DRAINAGE SYSTEMS SHOWN ON THE PLANS ARE BASED ON AVAILABLE SURVEYS AND AS-BUILT INFORMATION. THE LOCATION OF UNDERGROUND FACILITIES ARE APPROXIMATE. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS REQUIRED TO VERIFY ALL UTILITY LOCATION AND DEPTHS.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN ALL SURFACE DRAINAGE WITHIN THE PROJECT LIMITS. ALL STORM FLOW MUST BE MAINTAINED AT ALL TIMES, UNLESS OTHERWISE DIRECTED BY ENGINEER.
- ANY EXISTING DRAINAGE FACILITIES DISTURBED OR DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS/HER EXPENSE. THIS WORK SHALL BE PERFORMED TO THE SATISFACTION OF THE ENGINEER.
- OFFSETS AND TOP OF FRAME OR LID ELEVATIONS FOR STRUCTURES LOCATED IN THE GUTTER ARE GIVEN AT THE EDGE OF PAVEMENT.
- THE COST OF MAKING STORM SEWER CONNECTIONS TO EXISTING OR PROPOSED SEWER OR DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE STORM SEWER BEING CONNECTED.
- THE EXISTING STORM SEWER TO REMAIN SHALL BE INSPECTED BY THE CONTRACTOR BEFORE CONSTRUCTION STARTS. ANY EXISTING ACCUMULATED MATERIAL SHALL BE DOCUMENTED BY THE CONTRACTOR. ANY UNDOCUMENTED ACCUMULATION OF MATERIAL FOUND IN THE STRUCTURES OR PIPES AFTER CONSTRUCTION IS COMPLETED SHALL BE REMOVED BY THE CONTRACTOR AT HIS EXPENSE.
- THE CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND MATERIAL NECESSARY FOR DEWATERING TRENCH EXCAVATIONS AS WELL AS SHORING TRENCH WALLS DURING UTILITY AND STORM SEWER OPERATIONS. THE COST OF COMPLIANCE WITH THE ABOVE, SHALL BE INCLUDED IN THE COST OF THE UTILITY BEING INSTALLED.
- TOP OF FRAME ("RIM") ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF EACH STRUCTURE. FRAMES ON ALL NEW STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATIONS OF THE AREAS IN WHICH THEY ARE LOCATED, AS PART OF THE STRUCTURE COST.

MAINTENANCE OF TRAFFIC GENERAL NOTES:

- TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE MAINTENANCE OF TRAFFIC PLAN AND PROTECTION SECTION 701 OF THE STANDARD SPECIFICATIONS.
- THE COST OF SUPPLYING, ERECTING, AND MAINTAINING TRAFFIC CONTROL DEVICES, LIGHTS, AND SIGNS SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES AND SIDE ROADS TO REMAIN DURING CONSTRUCTION OPERATIONS.
- CONTRACTOR SHALL MAINTAIN DRAINAGE OF THE ROADWAY DURING THROUGHOUT CONSTRUCTION OPERATIONS.
- THE CONTRACTOR SHALL PERFORM ALL WORK BETWEEN THE WEEKDAY HOURS OF 9:00AM AND 3:30PM, UNLESS OTHERWISE ALLOWED BY THE ENGINEER.

LIST OF ILLINOIS HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-08	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424021-03	DEPRESSED CORNER FOR SIDEWALKS
602011-02	CATCH BASIN, TYPE C
602401-03	MANHOLE, TYPE A
604001-04	FRAME AND LIDS, TYPE 1
604091-03	FRAME AND GRATE, TYPE 24
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701427-03	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS < 40 MPH
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-04	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
BLR 18-6	TRAFFIC CONTROL DEVICES - DAY LABOR MAINTENANCE

LIST OF DISTRICT ONE STANDARDS

BD-01	DRIVEWAY DETAILS - DISTANCE BETWEEN ROW AND CURB OR EDGE GREATER THAN OR EQUAL TO 15'
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BE-220	ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY 80% FEDERAL 20% LOCAL 00 31	ROADWAY 0% FEDERAL 100% LOCAL 00 31
20101000	TEMPORARY FENCE	FOOT	1,861	1,861	
20101100	TREE TRUNK PROTECTION	EACH	32	32	
20101200	TREE ROOT PRUNING	EACH	32	32	
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	15	15	
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	26	26	
20200100	EARTH EXCAVATION	CU YD	1,887	1,725	162
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	130	70	60
20700220	POROUS GRANULAR EMBANKMENT	CU YD	130		130
20800150	TRENCH BACKFILL	CU YD	10		10
21001000	GEO TECHNICAL FABRIC FOR GROUND STABILIZATION	SO YD	400		400
21101625	TOPSOIL FURNISH AND PLACE, 6"	SO YD	250	250	
21101665	TOPSOIL FURNISH AND PLACE, 18"	SO YD	385	385	
21101685	TOPSOIL FURNISH AND PLACE, 24"	SO YD	250	250	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	30	30	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	30	30	
25000600	POTASSIUM FERTILIZER NUTRIENTS	POUND	30	30	
25200110	SODDING, SALT TOLERANT	SO YD	1,160	1,160	
25200200	SUPPLEMENTAL WATERING	UNIT	15	15	
28000510	INLET FILTERS	EACH	41	41	
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SO YD	2,245	2,245	
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SO YD	378		378
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	145	145	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	1,011	33	978
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	85		85
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	96	43	53
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SO YD	108	108	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SO FT	15,087	15,087	
42400410	PORTLAND CEMENT CONCRETE SIDEWALK, 8 INCH	SO FT	564	564	
42400800	DETECTABLE WARNINGS	SO FT	190	190	
44000100	PAVEMENT REMOVAL	SO YD	19	19	
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SO YD	321	227	94
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	604	243	361
44000300	CURB REMOVAL	FOOT	73		73
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,426	993	433
44000600	SIDEWALK REMOVAL	SO FT	8,149	8,149	
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	14		14
550B0090	STORM SEWERS, CLASS B, TYPE 1 18"	FOOT	20		20

* SPECIALTY ITEMS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY 80% FEDERAL 20% LOCAL 00 31	ROADWAY 0% FEDERAL 100% LOCAL 00 31
55100900	STORM SEWER REMOVAL 18"	FOOT	20		20
56400100	FIRE HYDRANTS TO BE MOVED	EACH	4	4	
56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	5	5	
60100905	PIPE DRAINS 4"	FOOT	23	23	
60107600	PIPE UNDERDRAINS 4"	FOOT	214	214	
60107700	PIPE UNDERDRAINS 6"	FOOT	138	138	
60207905	CATCH BASINS, TYPE C, TYPE II FRAME AND GRATE	EACH	2		2
60218300	MANHOLES, TYPE A, 4"-DIAMETER, TYPE I FRAME, OPEN LID	EACH	1		1
60255500	MANHOLES TO BE ADJUSTED	EACH	1	1	
60256700	MANHOLES TO BE ADJUSTED WITH NEW TYPE II FRAME AND GRATE	EACH	1		1
60258200	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE I FRAME, CLOSED LID	EACH	2		2
60259100	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE II FRAME AND GRATE	EACH	1		1
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	2	2	
60404950	FRAMES AND GRATES, TYPE 24	EACH	14	10	4
60406100	FRAMES AND LIDS, TYPE I, CLOSED LID	EACH	1	1	
60600605	CONCRETE CURB, TYPE B	FOOT	149	149	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	615	190	425
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1,228	806	422
66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1,192	1,030	162
66900450	SPECIAL WASTE PLAN AND REPORTS	LSUM	1.00	0.60	0.40
66900530	SOIL DISPOSAL ANALYSIS	EACH	1.0	0.6	0.4
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	3	1
67100100	MOBILIZATION	LSUM	1.00	0.75	0.25
72000100	SIGN PANEL - TYPE I	SO FT	11		11
72300100	INSTALL EXISTING SIGN PANEL	SO FT	42	26	16
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	13	9	4
72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	1	1	
72900100	METAL POST - TYPE A	FOOT	60		60
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	18		18
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	280		280
78300100	PAVEMENT MARKING REMOVAL	SO FT	747	747	
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	1	
80400200	ELECTRIC UTILITY SERVICE CONNECTION	LSUM	1	1	
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	995	995	
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	47	47	
81028260	UNDERGROUND CONDUIT, GALVANIZED STEEL, 6" DIA.	FOOT	47	47	
81028740	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA.	FOOT	989	989	



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

USER NAME = ehsu	DESIGNED - EIH	REVISED -
PLOT SCALE = 1"	DRAWN - DRP	REVISED -
PLOT DATE = 4/8/2015	CHECKED - MJR	REVISED -
	DATE - 04-07-15	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET NO. 1 OF 2 SHEETS

F.A.U. RTE. 2651	SECTION 10-00091-00-LS	COUNTY DUPAGE	TOTAL SHEETS 53	SHEET NO. 3
				CONTRACT NO. 61B07
[ILLINOIS] FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY 80% FEDERAL 20% LOCAL 0031	ROADWAY 0% FEDERAL 100% LOCAL 0031
81400100	HANDHOLE	EACH	2	2	
81500120	GULFBOX JUNCTION, COMPOSITE CONCRETE	EACH	8	8	
81603010	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	336	336	
81603047	UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	2,539	2,539	
81603070	UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	4,556	4,556	
81603081	UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	3,019	3,019	
81603085	UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	3,585	3,585	
81603156	UNIT DUCT, 600V, 5-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE	FOOT	61	61	
81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	1,188	1,188	
81702220	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C 350MCM	FOOT	597	597	
A2000118	TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 3" CALIPER, BALLED AND BURLAPPED	EACH	7	7	
A2002924	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 3" CALIPER, BALLED AND BURLAPPED	EACH	3	3	
A2004424	TREE, GINKGO BILOBA (GINKGO), 3" CALIPER, BALLED AND BURLAPPED	EACH	8	8	
A2004824	TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 3" CALIPER, BALLED AND BURLAPPED	EACH	7	7	
A2008517	TREE, ULMUS JAPONICA X WILSONIANA MORTON (ACCOLADE ELM), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	4	4	
C2005812	SHRUB, RHUS AROMATICA GRO-LOW (GRO-LOW FRAGRANT SUMAC), 2' HEIGHT, BALLED AND BURLAPPED	EACH	13	13	
C2C03424	SHRUB, HYDRANGEA ARBORESCENS ANNABELLE (ANNABELLE SMOOTH HYDRANGEA), 2' HEIGHT CONTAINER	EACH	69	69	
C2C07005	SHRUB, ROSA RADTKOPINK (PINK DOUBLE KNOCKOUT ROSE), 18" HEIGHT, CONTAINER	EACH	81	81	
D2015401	EVERGREEN, JUNIPERUS CHINENSIS KALLAYS COMPACTA, (KALLAY COMPACT JUNIPER), 24" WIDTH, BALLED AND BURLAPPED	EACH	20	20	
K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	12.20	12.20	
K0029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	30	30	
X0322917	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	5		5
X0325970	SOIL CONDITIONER 3"	SO YD	795	795	
X0326864	BRICK SIDEWALK REMOVAL	SO FT	94	94	
X0327018	DECORATIVE SIGN POST	EACH	11	11	
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	1,600	1,200	400
X5030400	SIDEWALK FLOOR DRAINS	EACH	5	5	
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	LSUM	1.00	0.75	0.25
X8250500	LIGHTING UNIT COMPLETE, SPECIAL	EACH	61	61	
X8250505	LIGHTING CONTROLLER, SPECIAL	EACH	1	1	
X8360120	LIGHT POLE FOUNDATION, SPECIAL	FOOT	382	382	
XX000959	TRASH RECEPTACLES	EACH	6	6	
XX005735	PLANTER CURB	FOOT	578	578	
XX005972	STAMPED ASPHALT CROSSWALK	SO YD	376	376	
XX007297	MASONRY COLUMN, LARGE	EACH	2	2	
XX007298	MASONRY COLUMN, SMALL	EACH	2	2	
XX007469	UPLIGHTS	EACH	8	8	

* SPECIALTY ITEMS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY 80% FEDERAL 20% LOCAL 0031	ROADWAY 0% FEDERAL 100% LOCAL 0031
XX008257	STAMPED COLORED PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SO FT	4,256	4,256	
* XX008269	WAYFINDING SIGN	EACH	6	6	
Z0003850	BENCHES	EACH	10	10	
Z0003855	BICYCLE RACKS	EACH	2	2	
Z0013798	CONSTRUCTION LAYOUT	LSUM	1.00	0.75	0.25
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	LSUM	1	1	
81603171	UNIT DUCT, 600V, 6-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE	FOOT	746	746	
81603810	UNIT DUCT, 600V, 8-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 2 1/2" DIA. POLYETHYLENE	FOOT	61	61	



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DATE - 04-07-15

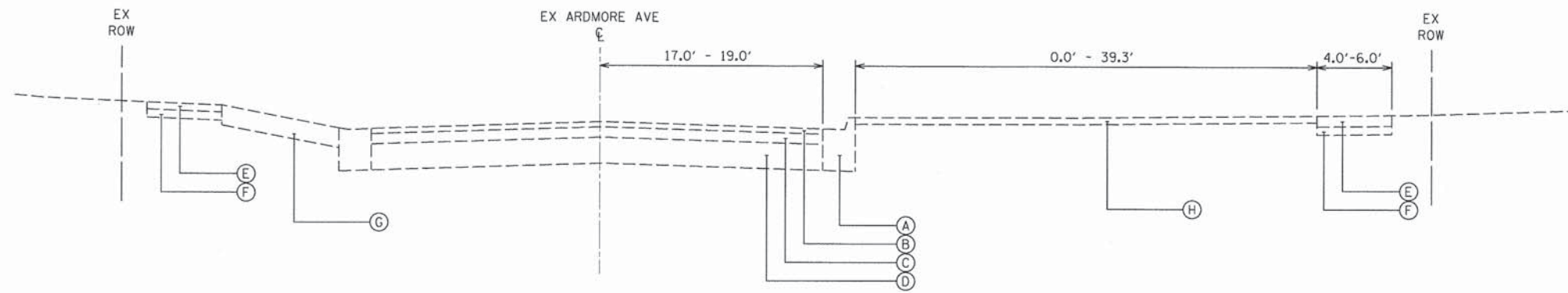
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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

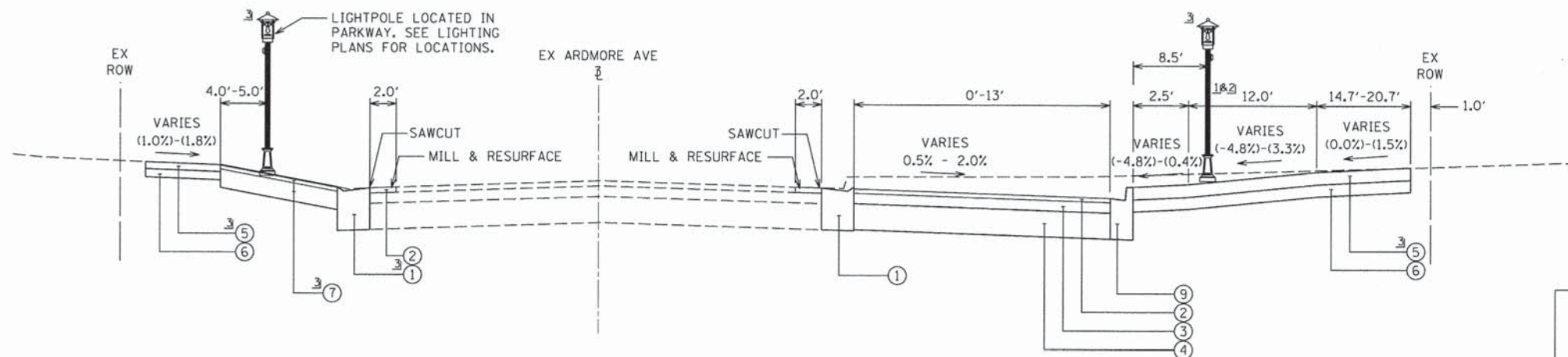
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	4
CONTRACT NO. 61B07			ILLINOIS FED. AID PROJECT	



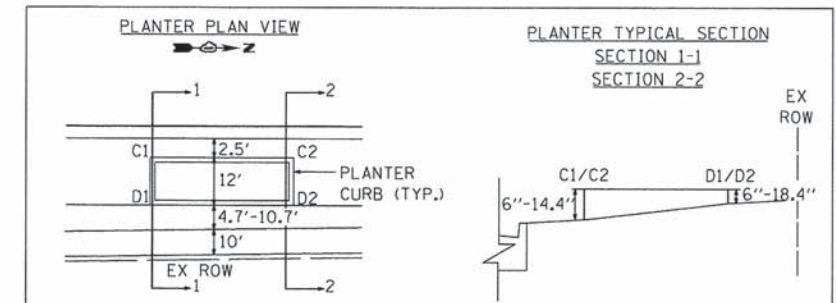
**EXISTING TYPICAL SECTION
N. ARDMORE AVENUE**
STA 201+49.21 TO STA 229+70.17

- LEGEND**
- (A) EXIST. COMB. CONC. CURB AND GUTTER, B-6.24
 - (B) EXIST. HMA SURFACE COURSE, 2" ±
 - (C) EXIST. HMA BINDER COURSE, 4" ±
 - (D) EXIST. AGGREGATE BASE COURSE, 6" ±
 - (E) EXIST. PCC SIDEWALK, 5"
 - (F) EXIST. AGGREGATE BASE COURSE, 4"
 - (G) EXIST. DRIVEWAY
 - (H) EXIST. PARKWAY



**PROPOSED TYPICAL SECTION
N. ARDMORE AVENUE**
STA 201+49.21 TO STA 206+30.79

- LEGEND**
- (1) PROP. COMB. CONC. CURB AND GUTTER, B-6.24
 - (2) PROP. HMA SURFACE COURSE, MIX "D", N50, 2"
 - (3) PROP. HMA BINDER COURSE, IL-19.0, N50, 4"
 - (4) PROP. AGGREGATE BASE COURSE, TYPE B, 6"
 - (5) PROP. PCC SIDEWALK, 5"
 - (6) PROP. AGGREGATE BASE COURSE, TYPE B, 4"
 - (7) PROP. COMMERCIAL DRIVEWAY
 - (8) PROP. TOPSOIL AND SODDING, SALT TOLERANT
 - (9) PROP. COMB. CONC. CURB AND GUTTER, B-6.12



PLANTER TYPICAL SECTION DETAIL

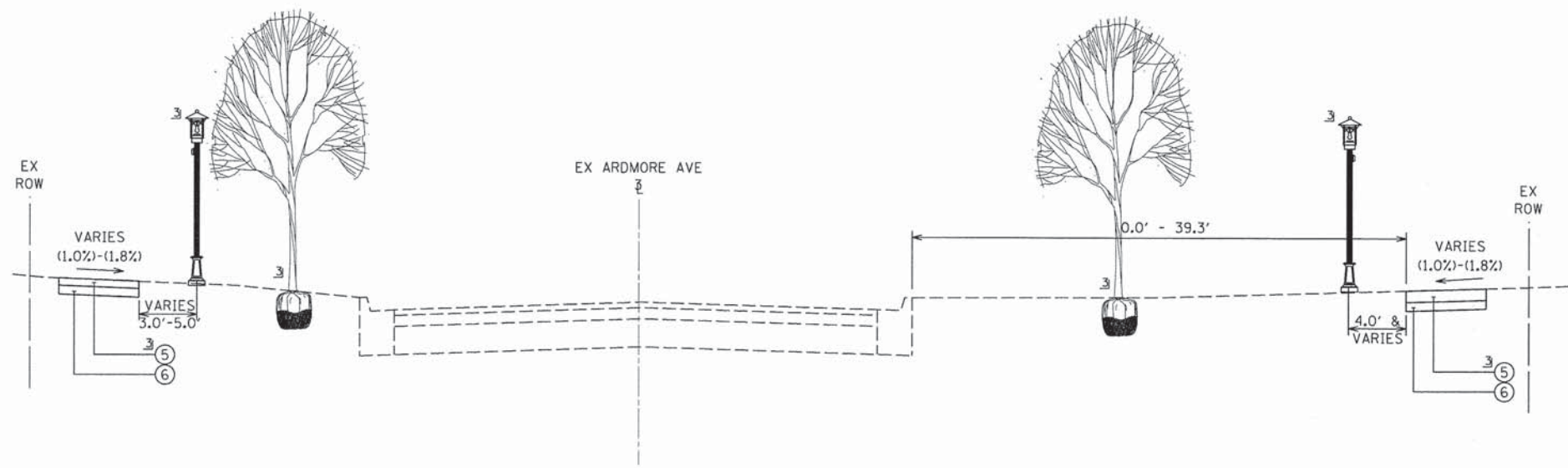
NOTES

1. SEE PLANS FOR LOCATION OF PLANTERS.
2. SEE PLANTER DETAIL ABOVE FOR PLANTER TYPICAL SECTION.
3. SEE PLANS FOR LOCATIONS OF PROPOSED SIDEWALK, TREES, AND LIGHT POLES.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes
PAVEMENT RESURFACING/STAMPED ASPHALT CROSSWALK	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"	4% @ 50 Gyr.
PAVEMENT WIDENING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"	4% @ 50 Gyr.
HOT-MIX BINDER COURSE, IL-19.0, N50, 4"	4% @ 50 Gyr.
COMMERCIAL DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"	4% @ 50 Gyr.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0, N50); 8" (2 LIFTS)	4% @ 50 Gyr.

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.
2. THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE SPECIAL PROVISIONS.



**PROPOSED TYPICAL SECTION
N. ARDMORE AVENUE**
STA 206+30.79 TO STA 229+70.17



USER NAME = #USER#
DESIGNED - EIH
DRAWN - DRP
CHECKED - MJR
DATE - 04-07-15

REVISED -
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REVISED -

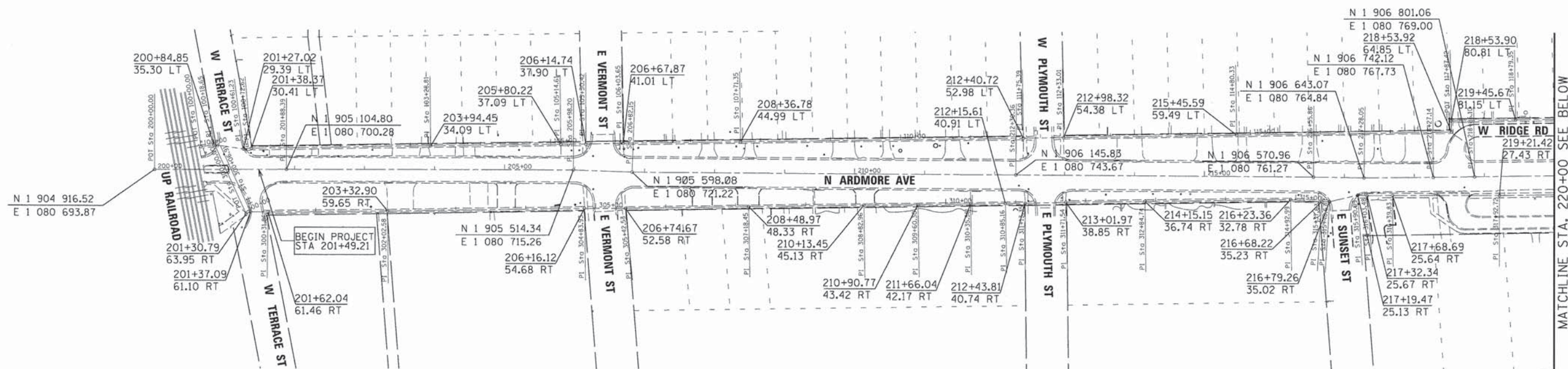
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

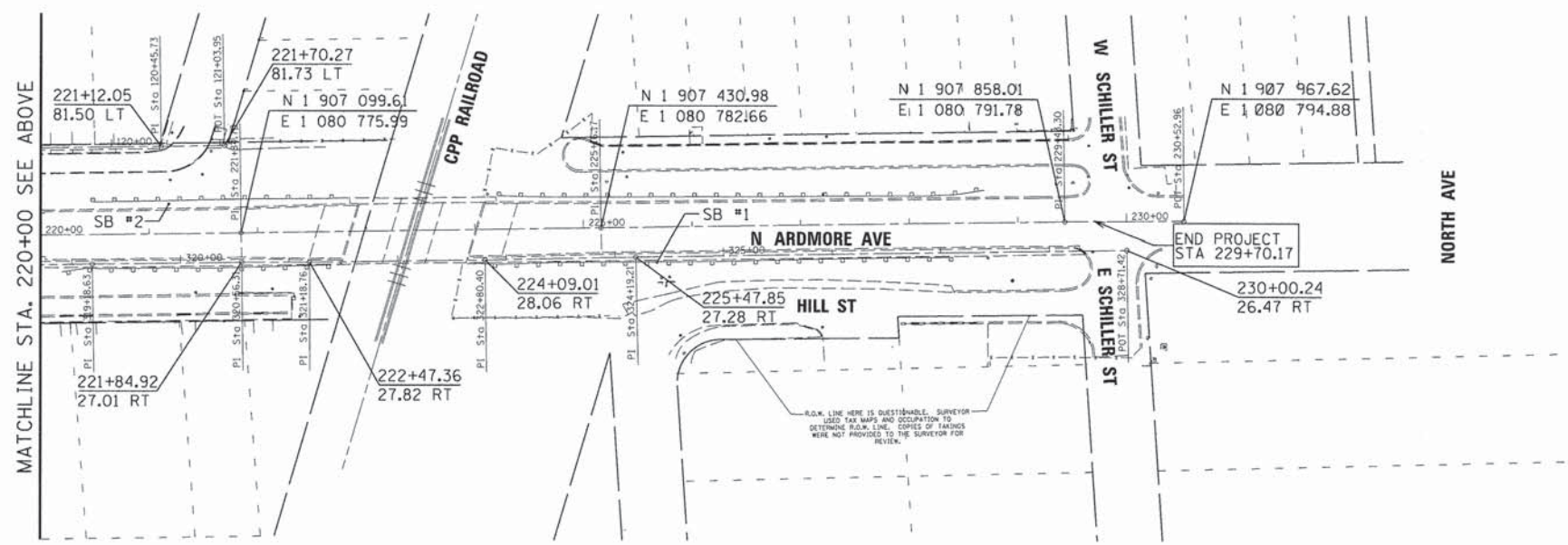
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	5

CONTRACT NO. 61B07
ILLINOIS FED. AID PROJECT



MATCHLINE STA. 220+00 SEE BELOW



BENCHMARKS

SOURCE:

STATION DESIGNATION: VILLAGE OF VILLA PARK BENCHMARK #14
 ESTABLISHED BY VILLAGE OF VILLA PARK
 DATE: 06/28/2002

ELEVATION: 671.83 (PUBLISHED AND HELD)
 DATUM: NGVD29
 DESCRIPTION: BRONZE DISK ON TOP OF THE WEST HEADWALL OF THE EAST POND AT NORTH PARK WHERE ARDMORE AVENUE DEAD ENDS NORTH OF NORTH AVENUE.

STATION DESIGNATION: VILLAGE OF VILLA PARK BENCHMARK #2
 ESTABLISHED BY VILLAGE OF VILLA PARK

ELEVATION: 679.86 (PUBLISHED)
 DATUM: NGVD29
 DESCRIPTION: BRONZE DISK IN CONCRETE BASE OF TRAFFIC SIGNAL AT SOUTHWEST CORNER OF VILLA AVENUE AND NORTH AVENUE.

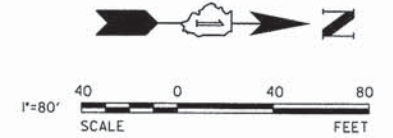
SITE:

STATION DESIGNATION: SBM #1
 ESTABLISHED BY: V3 COMPANIES
 DATE: 08/02/2007

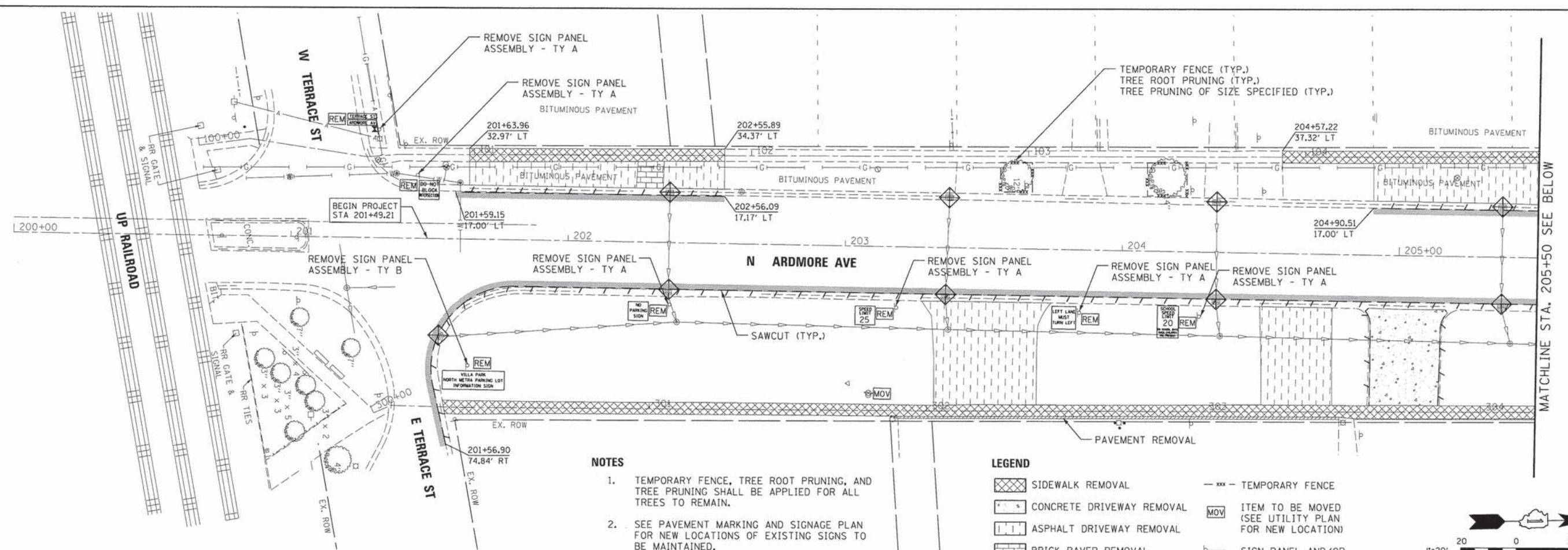
ELEVATION: 708.73 (MEASURED)
 DATUM: NGVD29
 DESCRIPTION: CUT SQUARE IN LIGHT STANDARD BASE (SOUTHWESTERLY), FIRST LIGHT STANDARD BASE NORTH OF ARDMORE BRIDGE ON EAST SIDE OF ARDMORE AVENUE.

STATION DESIGNATION: SBM #2
 ESTABLISHED BY: V3 COMPANIES
 DATE: 08/02/2007

ELEVATION: 709.11 (MEASURED)
 DATUM: NGVD29
 DESCRIPTION: CUT SQUARE IN LIGHT STANDARD BASE (EAST), FIRST LIGHT STANDARD BASE SOUTH OF BRIDGE ON WEST SIDE OF ARDMORE AVENUE.



V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = mrechterk PLOT SCALE = 80' PLOT DATE = 4/7/2015	DESIGNED - EIH DRAWN - DRP CHECKED - MJR DATE - 04-07-15	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT, TIES, AND BENCHMARKS	F.A.U. RTE. 2651	SECTION 10-00091-00-LS	COUNTY DUPAGE	TOTAL SHEETS 53	SHEET NO. 6
	SCALE: 1" = 80' SHEET NO. 1 OF 1 SHEETS STA. 200+00.00 TO STA. 220+52.96						CONTRACT NO. 61B07 ILLINOIS FED. AID PROJECT			

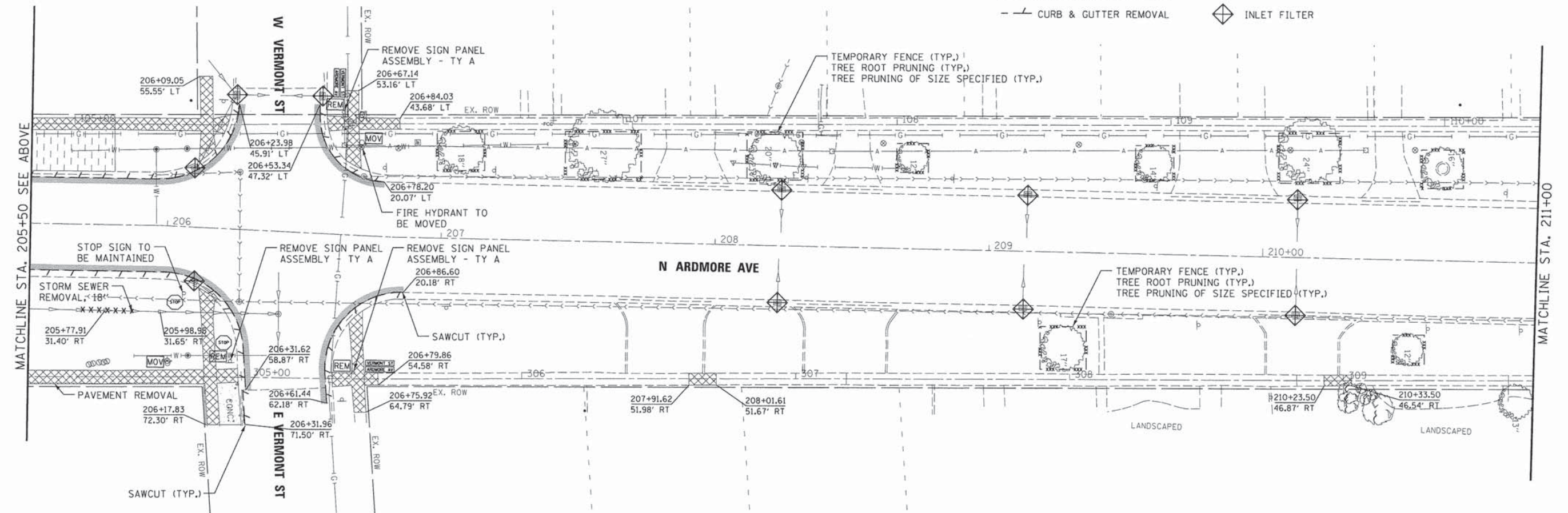
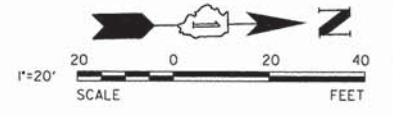


NOTES

1. TEMPORARY FENCE, TREE ROOT PRUNING, AND TREE PRUNING SHALL BE APPLIED FOR ALL TREES TO REMAIN.
2. SEE PAVEMENT MARKING AND SIGNAGE PLAN FOR NEW LOCATIONS OF EXISTING SIGNS TO BE MAINTAINED.

LEGEND

- SIDEWALK REMOVAL
- CONCRETE DRIVEWAY REMOVAL
- ASPHALT DRIVEWAY REMOVAL
- BRICK PAVER REMOVAL
- HMA SURFACE REMOVAL, 2"
- CURB & GUTTER REMOVAL
- TEMPORARY FENCE
- ITEM TO BE MOVED (SEE UTILITY PLAN FOR NEW LOCATION)
- SIGN PANEL AND/OR ASSEMBLY TO BE REMOVED
- INLET FILTER



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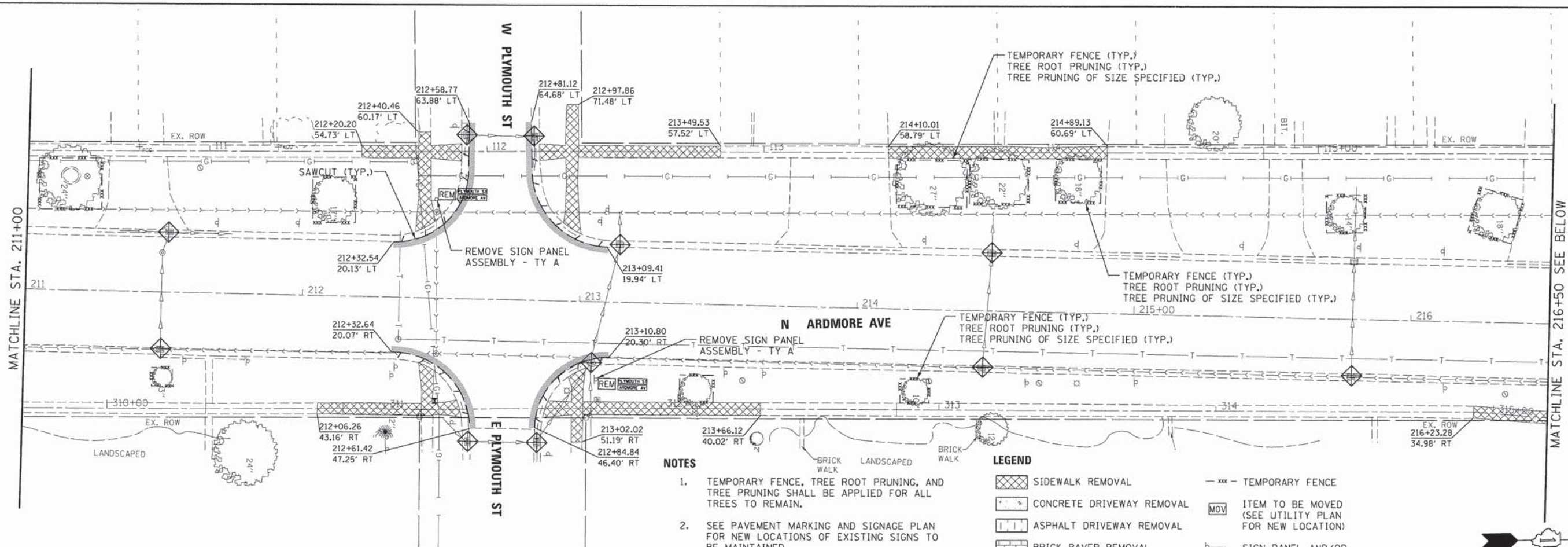
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PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -
PLOT DATE = #DATE#	CHECKED - MJR	REVISED -
	DATE - 04-07-15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL AND REMOVALS PLAN

SCALE: 1" = 20' SHEET NO. 1 OF 3 SHEETS STA. 200+00.00 TO STA. 211+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	7
			CONTRACT NO. 61B07	
ILLINOIS FED. AID PROJECT				

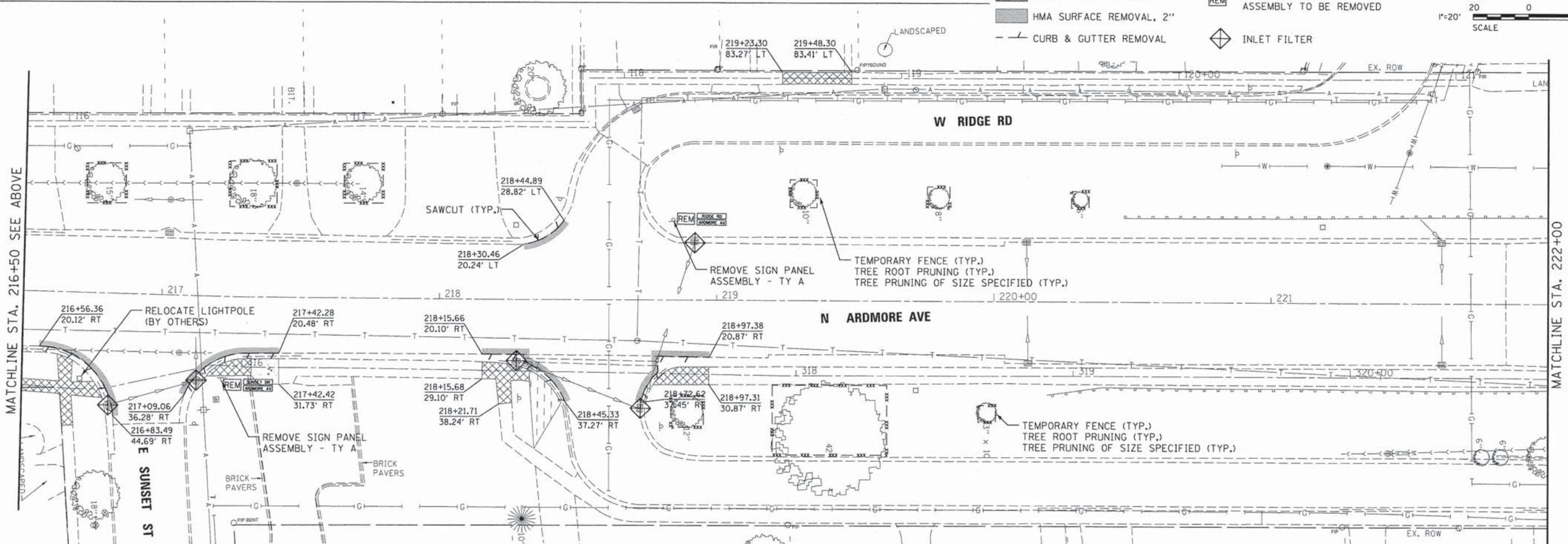
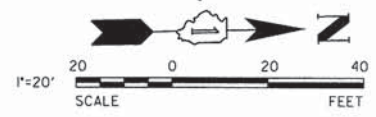


NOTES

1. TEMPORARY FENCE, TREE ROOT PRUNING, AND TREE PRUNING OF SIZE SPECIFIED SHALL BE APPLIED FOR ALL TREES TO REMAIN.
2. SEE PAVEMENT MARKING AND SIGNAGE PLAN FOR NEW LOCATIONS OF EXISTING SIGNS TO BE MAINTAINED.

LEGEND

- SIDEWALK REMOVAL
- CONCRETE DRIVEWAY REMOVAL
- ASPHALT DRIVEWAY REMOVAL
- BRICK PAVER REMOVAL
- HMA SURFACE REMOVAL, 2"
- CURB & GUTTER REMOVAL
- TEMPORARY FENCE
- ITEM TO BE MOVED (SEE UTILITY PLAN FOR NEW LOCATION)
- SIGN PANEL AND/OR ASSEMBLY TO BE REMOVED
- INLET FILTER



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 PLOT DATE = #DATE#

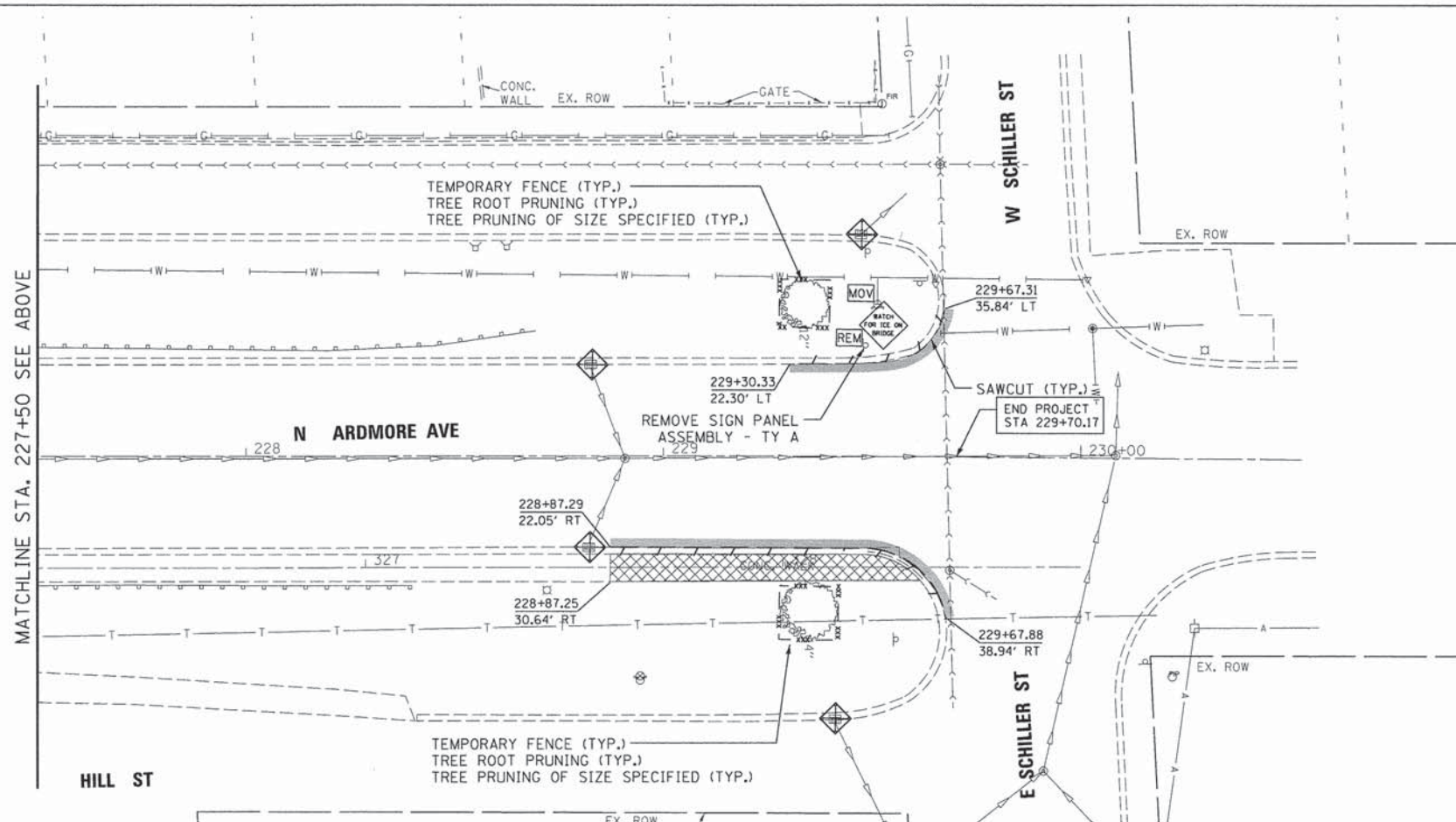
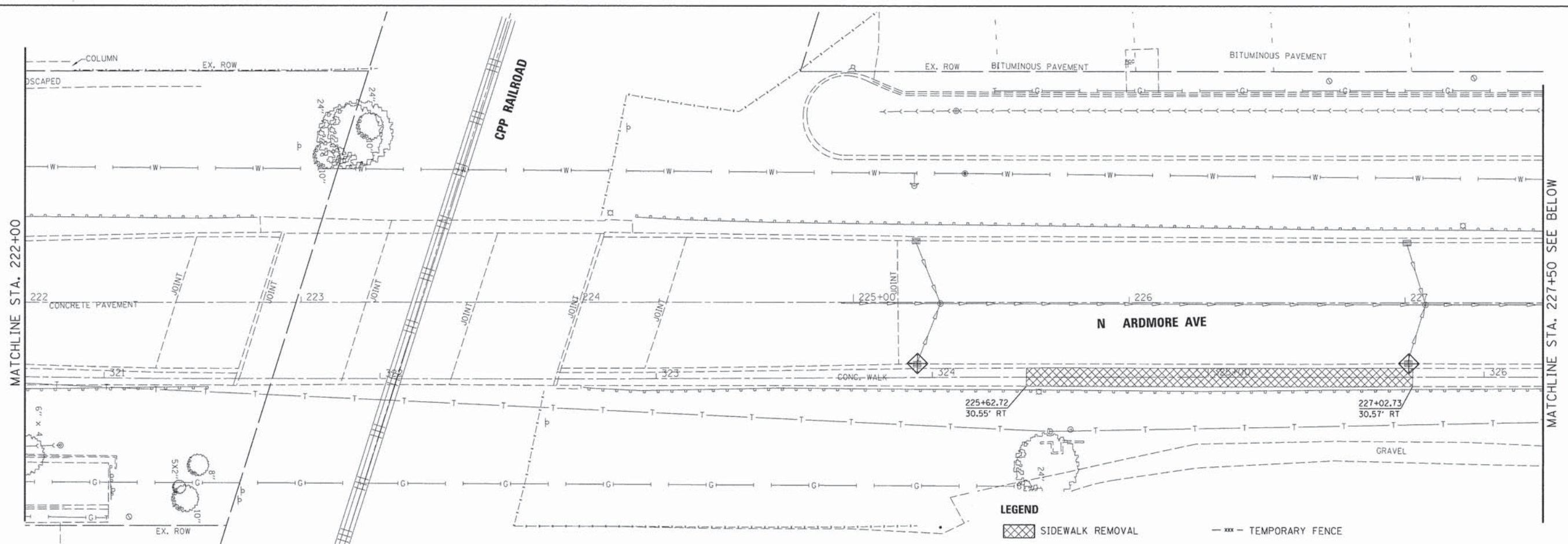
DESIGNED - EIH
 DRAWN - DRP
 CHECKED - MJR
 DATE - 04-07-15

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

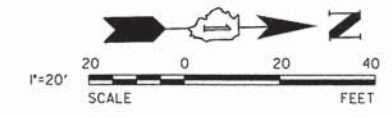
EROSION CONTROL AND REMOVALS PLAN
 SCALE: 1" = 20'
 SHEET NO. 2 OF 3 SHEETS
 STA. 211+00.00 TO STA. 222+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	8
			CONTRACT NO. 61B07	
ILLINOIS FED. AID PROJECT				

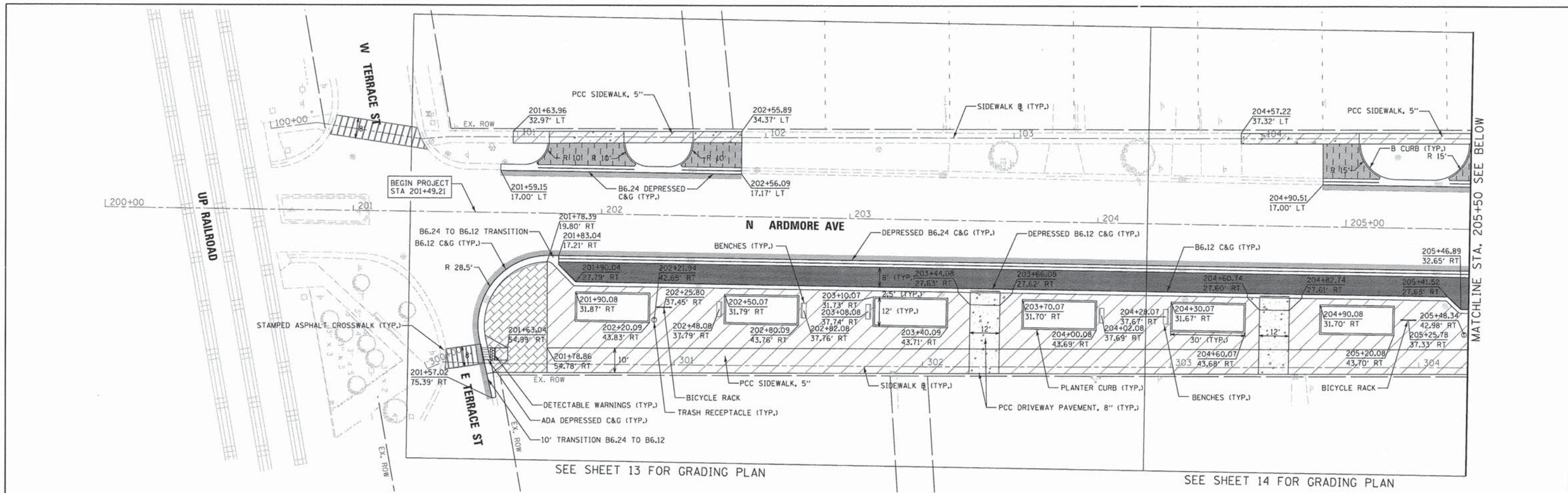


- LEGEND**
- SIDEWALK REMOVAL
 - CONCRETE DRIVEWAY REMOVAL
 - ASPHALT DRIVEWAY REMOVAL
 - BRICK PAVER REMOVAL
 - HMA SURFACE REMOVAL, 2"
 - CURB & GUTTER REMOVAL
 - TEMPORARY FENCE
 - ITEM TO BE MOVED (SEE UTILITY PLAN FOR NEW LOCATION)
 - SIGN PANEL AND/OR ASSEMBLY TO BE REMOVED
 - INLET FILTER

- NOTES**
- TEMPORARY FENCE, TREE ROOT PRUNING, AND TREE PRUNING SHALL BE APPLIED FOR ALL TREES TO REMAIN.
 - SEE PAVEMENT MARKING AND SIGNAGE PLAN FOR NEW LOCATIONS OF EXISTING SIGNS TO BE MAINTAINED.



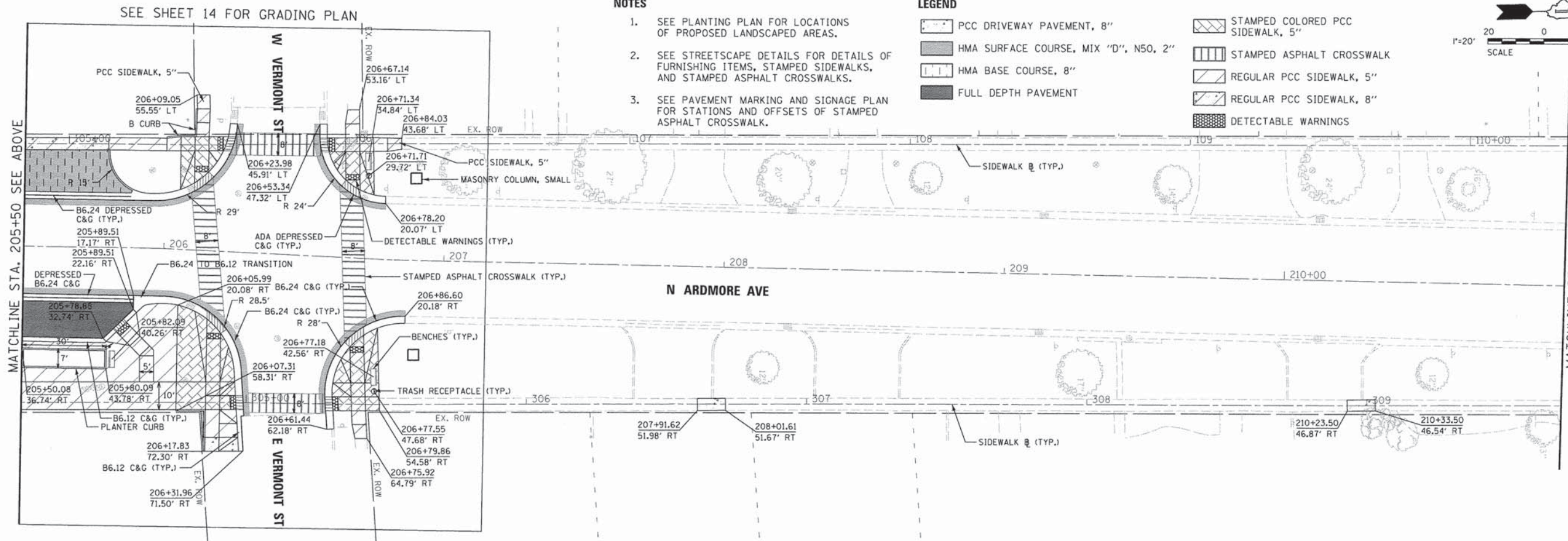
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	SCALE: 1" = 20' SHEET NO. 3 OF 3 SHEETS STA. 222+00.00 TO STA. 230+53.00						DUPAGE		CONTRACT NO. 61B07 [ILLINOIS] FED. AID PROJECT	



SEE SHEET 13 FOR GRADING PLAN

SEE SHEET 14 FOR GRADING PLAN

MATCHLINE STA. 205+50 SEE BELOW



MATCHLINE STA. 205+50 SEE ABOVE

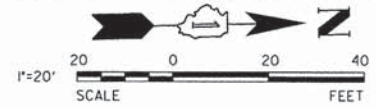
MATCHLINE STA. 211+00

NOTES

- SEE PLANTING PLAN FOR LOCATIONS OF PROPOSED LANDSCAPED AREAS.
- SEE STREETSCAPE DETAILS FOR DETAILS OF FURNISHING ITEMS, STAMPED SIDEWALKS, AND STAMPED ASPHALT CROSSWALKS.
- SEE PAVEMENT MARKING AND SIGNAGE PLAN FOR STATIONS AND OFFSETS OF STAMPED ASPHALT CROSSWALK.

LEGEND

- PCC DRIVEWAY PAVEMENT, 8"
- HMA SURFACE COURSE, MIX "D", N50, 2"
- HMA BASE COURSE, 8"
- FULL DEPTH PAVEMENT
- STAMPED COLORED PCC SIDEWALK, 5"
- STAMPED ASPHALT CROSSWALK
- REGULAR PCC SIDEWALK, 5"
- REGULAR PCC SIDEWALK, 8"
- DETECTABLE WARNINGS



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DATE - 04-07-15

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN

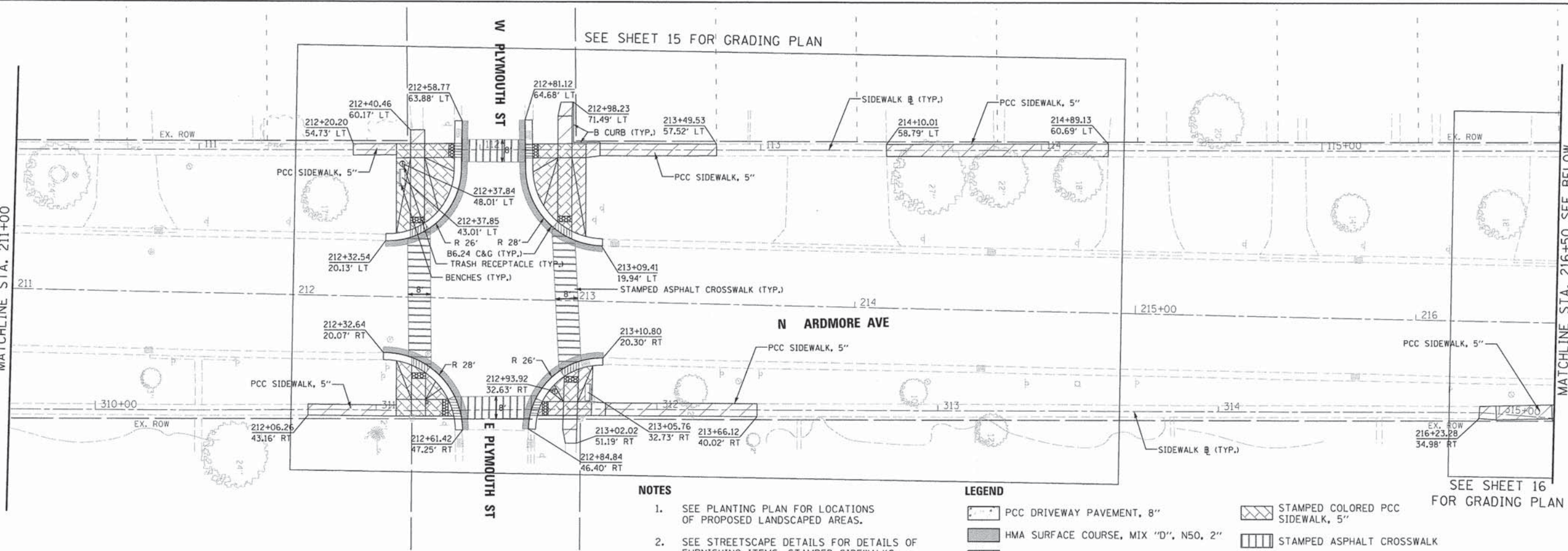
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	10

CONTRACT NO. 61B07
ILLINOIS FED. AID PROJECT

MATCHLINE STA. 211+00

MATCHLINE STA. 216+50 SEE BELOW



SEE SHEET 15 FOR GRADING PLAN

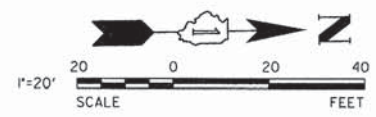
SEE SHEET 16 FOR GRADING PLAN

NOTES

1. SEE PLANTING PLAN FOR LOCATIONS OF PROPOSED LANDSCAPED AREAS.
2. SEE STREETScape DETAILS FOR DETAILS OF FURNISHING ITEMS, STAMPED SIDEWALKS, AND STAMPED ASPHALT CROSSWALKS.
3. SEE PAVEMENT MARKING AND SIGNAGE PLAN FOR STATIONS AND OFFSETS OF STAMPED ASPHALT CROSSWALK.

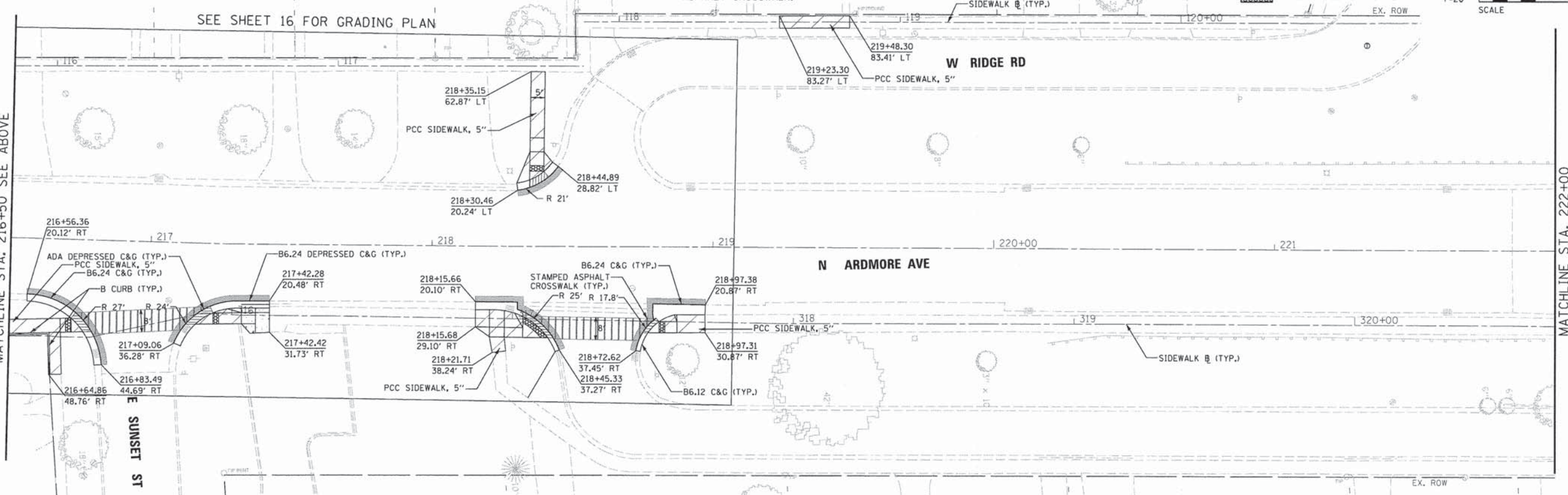
LEGEND

- [Symbol] PCC DRIVEWAY PAVEMENT, 8"
- [Symbol] HMA SURFACE COURSE, MIX "D", N50, 2"
- [Symbol] HMA BASE COURSE, 8"
- [Symbol] FULL DEPTH PAVEMENT
- [Symbol] STAMPED COLORED PCC SIDEWALK, 5"
- [Symbol] STAMPED ASPHALT CROSSWALK
- [Symbol] REGULAR PCC SIDEWALK, 5"
- [Symbol] REGULAR PCC SIDEWALK, 8"
- [Symbol] DETECTABLE WARNINGS



MATCHLINE STA. 216+50 SEE ABOVE

MATCHLINE STA. 222+00



SEE SHEET 16 FOR GRADING PLAN

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN



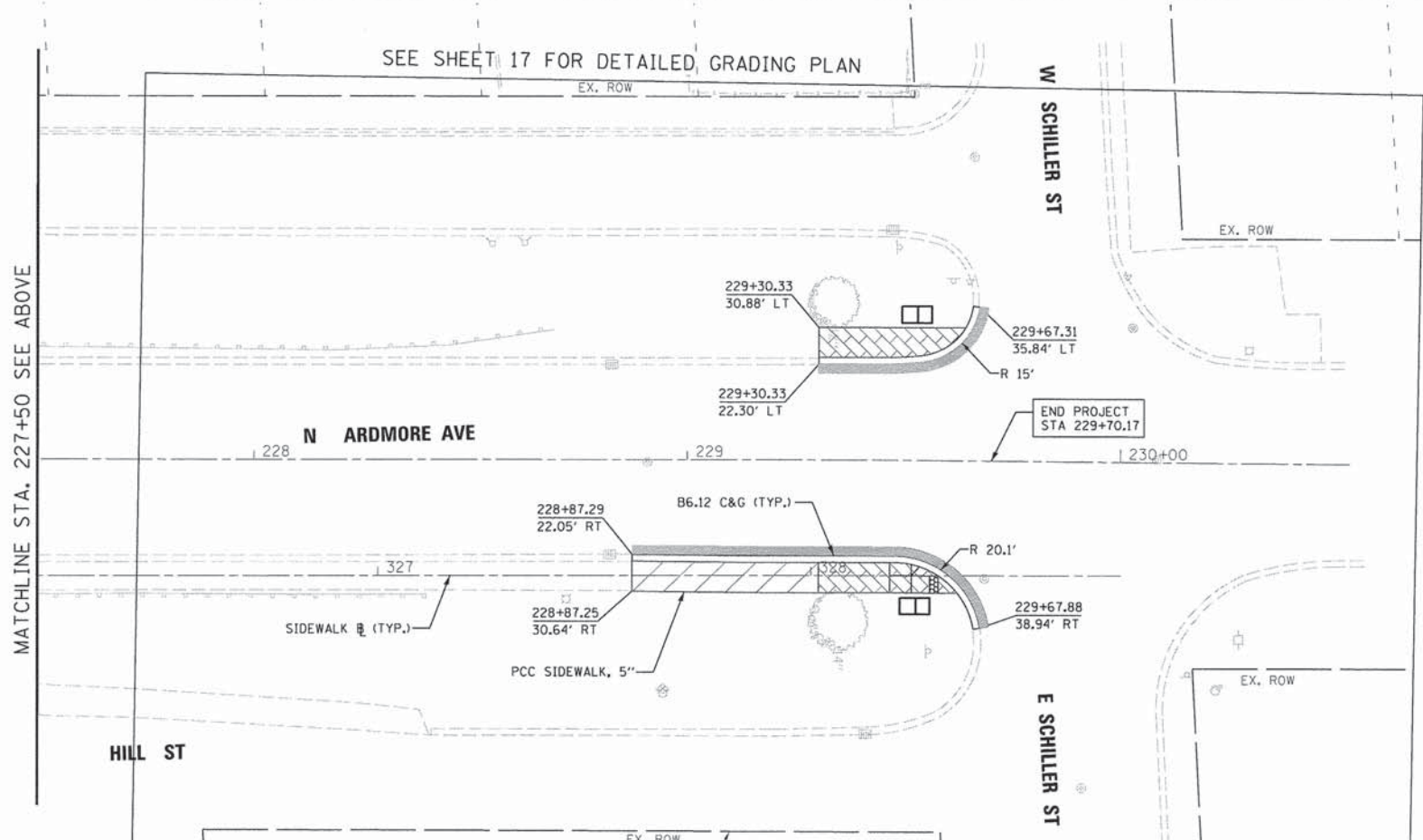
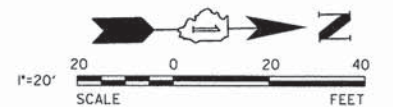
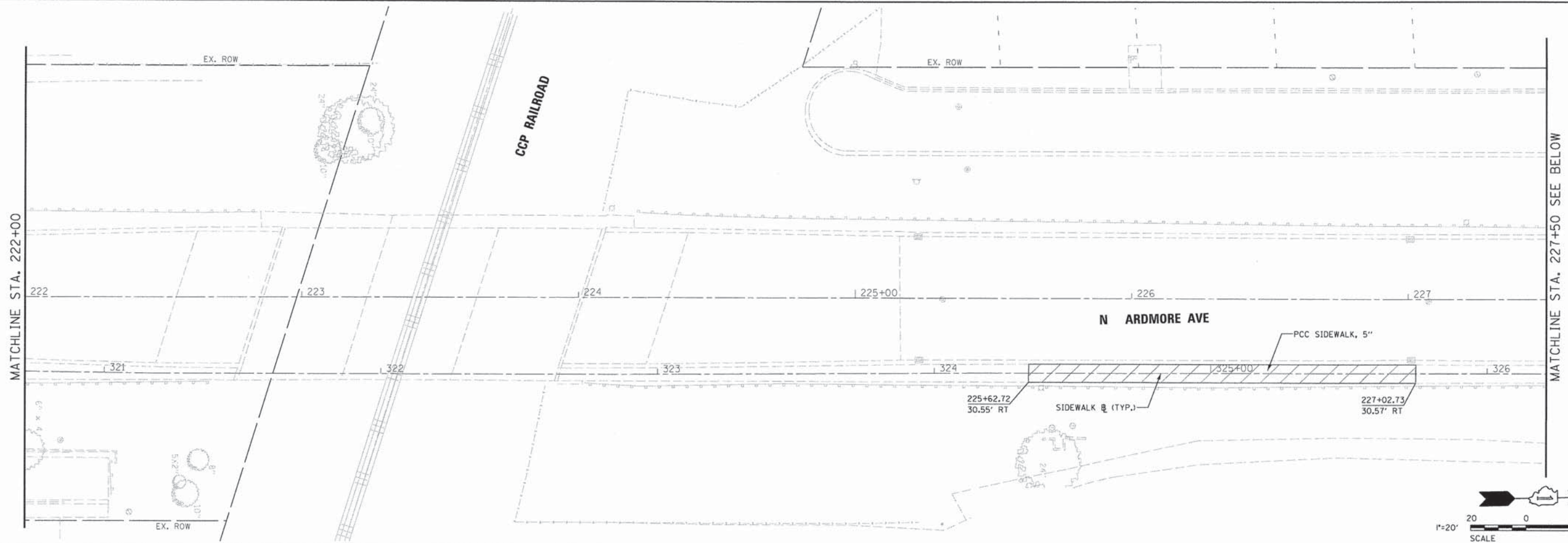
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USER NAME = #USER#	DESIGNED - EIH	REVISED -
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -
PLOT DATE = #DATE#	CHECKED - MJR	REVISED -
	DATE - 04-07-15	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	11
SCALE: 1" = 20'			CONTRACT NO. 61B07	

SHEET NO. 2 OF 3 SHEETS	STA. 211+00.00 TO STA. 222+00.00
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ILLINOIS FED. AID PROJECT				
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LEGEND

- PCC DRIVEWAY PAVEMENT, 8"
- HMA SURFACE COURSE, MIX "D", N50, 2"
- HMA BASE COURSE, 8"
- FULL DEPTH PAVEMENT
- STAMPED COLORED PCC SIDEWALK, 5"
- STAMPED ASPHALT CROSSWALK
- REGULAR PCC SIDEWALK, 5"
- REGULAR PCC SIDEWALK, 8"
- DETECTABLE WARNINGS

NOTES

1. SEE PLANTING PLAN FOR LOCATIONS OF PROPOSED LANDSCAPED AREAS.
2. SEE STREETScape DETAILS FOR DETAILS OF FURNISHING ITEMS, STAMPED SIDEWALKS, AND STAMPED ASPHALT CROSSWALKS.
3. SEE PAVEMENT MARKING AND SIGNAGE PLAN FOR STATIONS AND OFFSETS OF STAMPED ASPHALT CROSSWALK.



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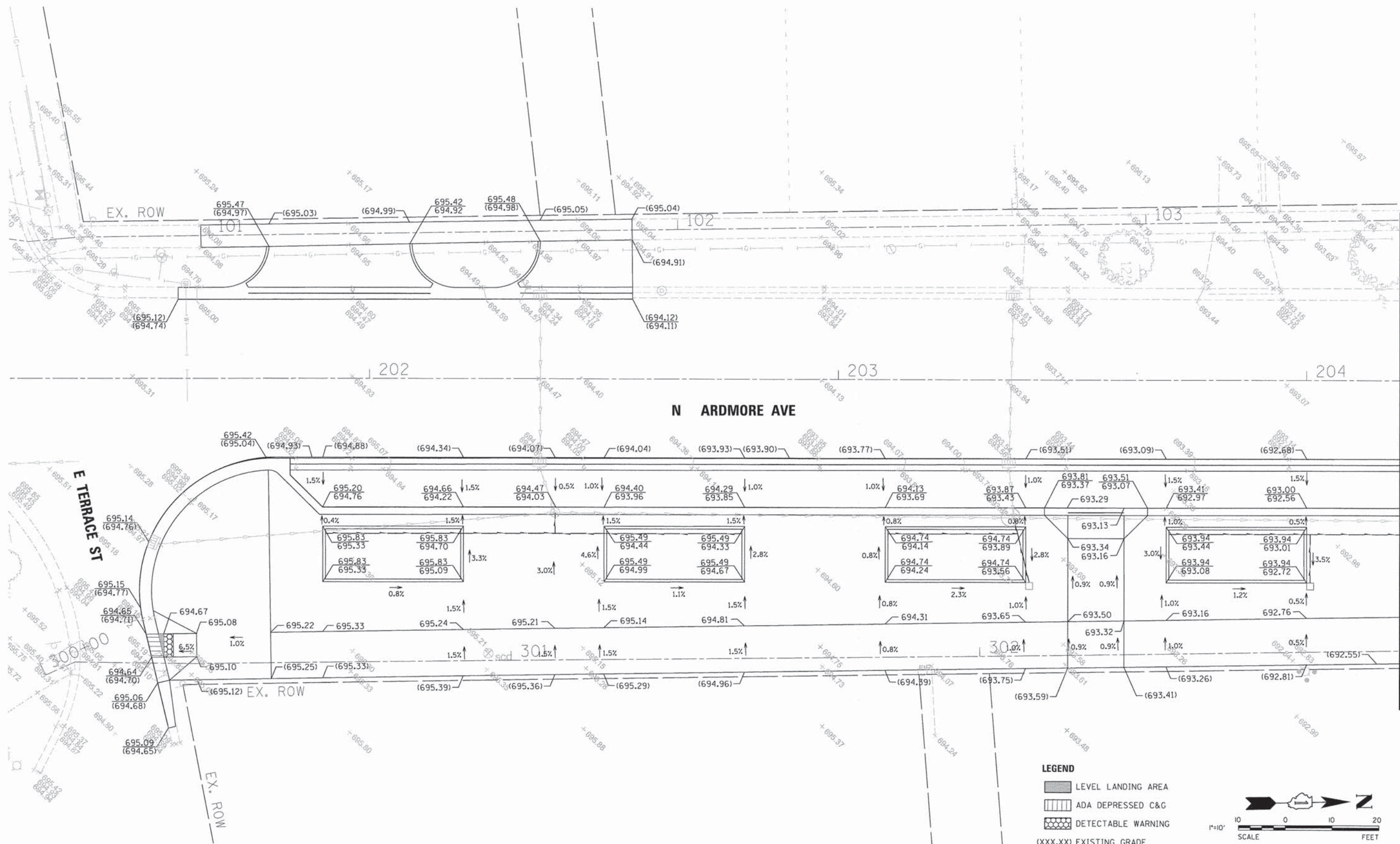
REvised -
REvised -
REvised -
REvised -
DATE - 04-07-15
REvised -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN

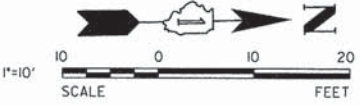
SCALE: 1" = 20' SHEET NO. 3 OF 3 SHEETS STA. 222+00.00 TO STA. 230+53.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	12
CONTRACT NO. 61B07				
ILLINOIS FED. AID PROJECT				



LEGEND

- LEVEL LANDING AREA
- ADA DEPRESSED C&G
- DETECTABLE WARNING
- (XXX.XX) EXISTING GRADE
- XXX.XX PROPOSED GRADE



V3 Companies
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 630.724.9202 fax
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USER NAME = ehshu
 PLOT SCALE = 10"
 PLOT DATE = 4/7/2015

DESIGNED - EIH
 DRAWN - DRP
 CHECKED - MJR
 DATE - 04-07-15

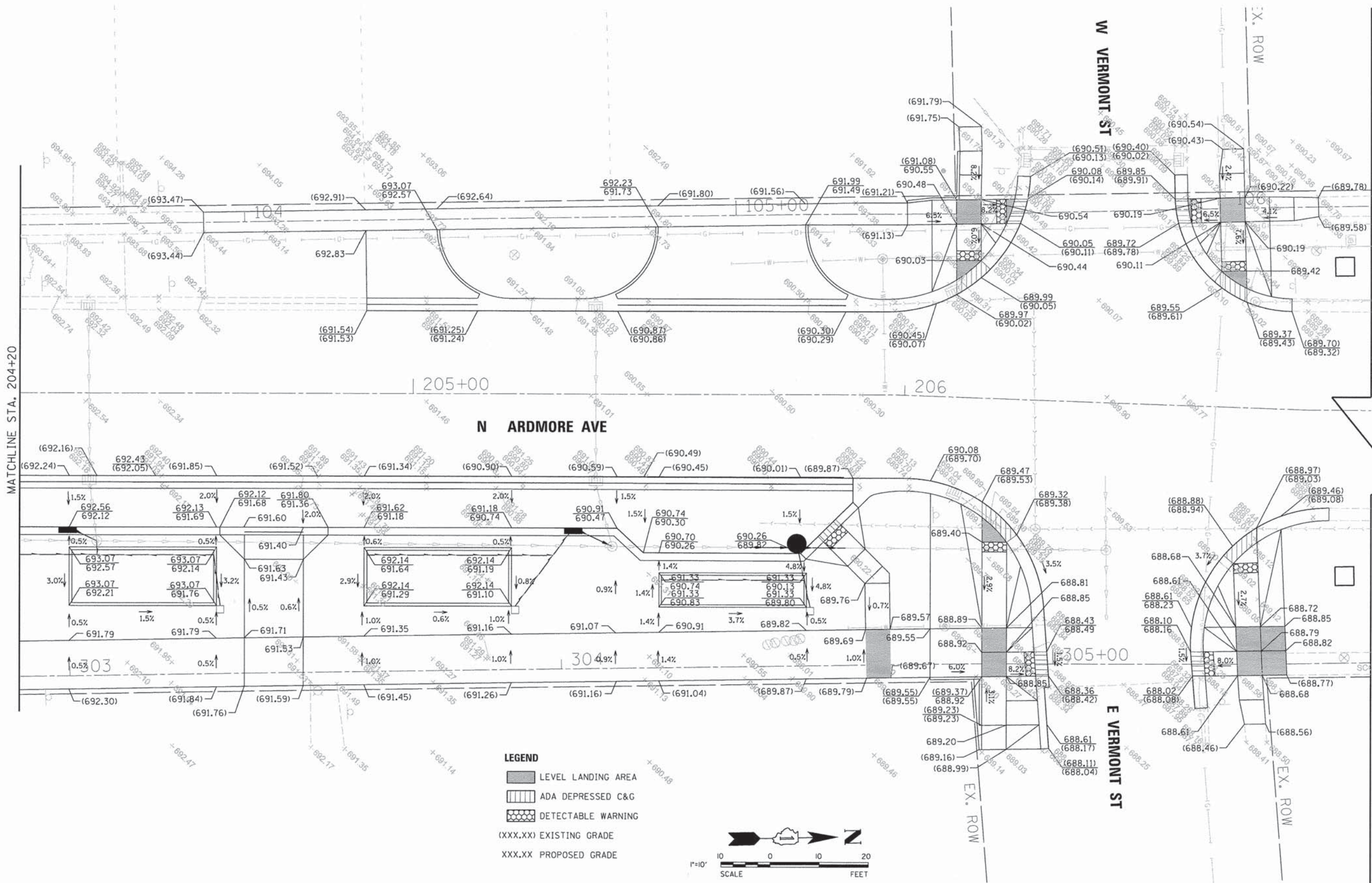
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GRADING PLAN

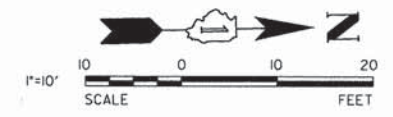
SCALE: 1" = 10' SHEET NO. 1 OF 5 SHEETS STA. 201+20.00 TO STA. 204+20.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	13
CONTRACT NO. 61B07			ILLINOIS FED. AID PROJECT	



LEGEND

- LEVEL LANDING AREA
- ADA DEPRESSED C&G
- DETECTABLE WARNING
- (XXX.XX) EXISTING GRADE
- XXX.XX PROPOSED GRADE



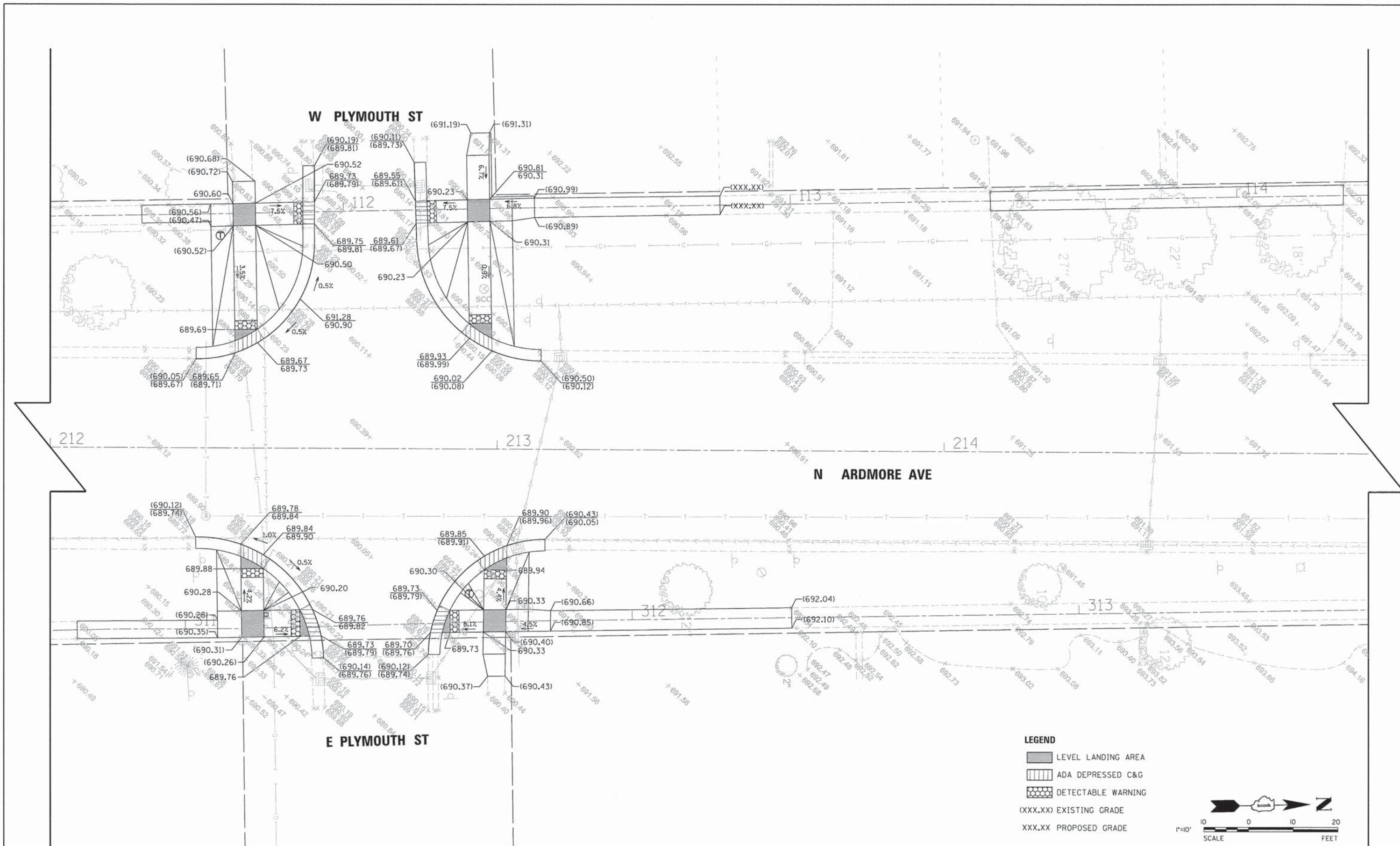
V3 Companies
 7325 Janes Avenue
 Woodridge, IL 60517
 630.724.9200 phone
 630.724.9202 fax
 www.v3co.com

USER NAME = #USER#	DESIGNED - EIH	REVISED -
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -
PLOT DATE = #DATE#	CHECKED - MJR	REVISED -
	DATE - 04-07-15	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GRADING PLAN		
SCALE: 1" = 10'	SHEET NO. 2 OF 5 SHEETS	STA. 204+20.00 TO STA. 206+95.05

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	14
CONTRACT NO. 61B07				
ILLINOIS FED. AID PROJECT				



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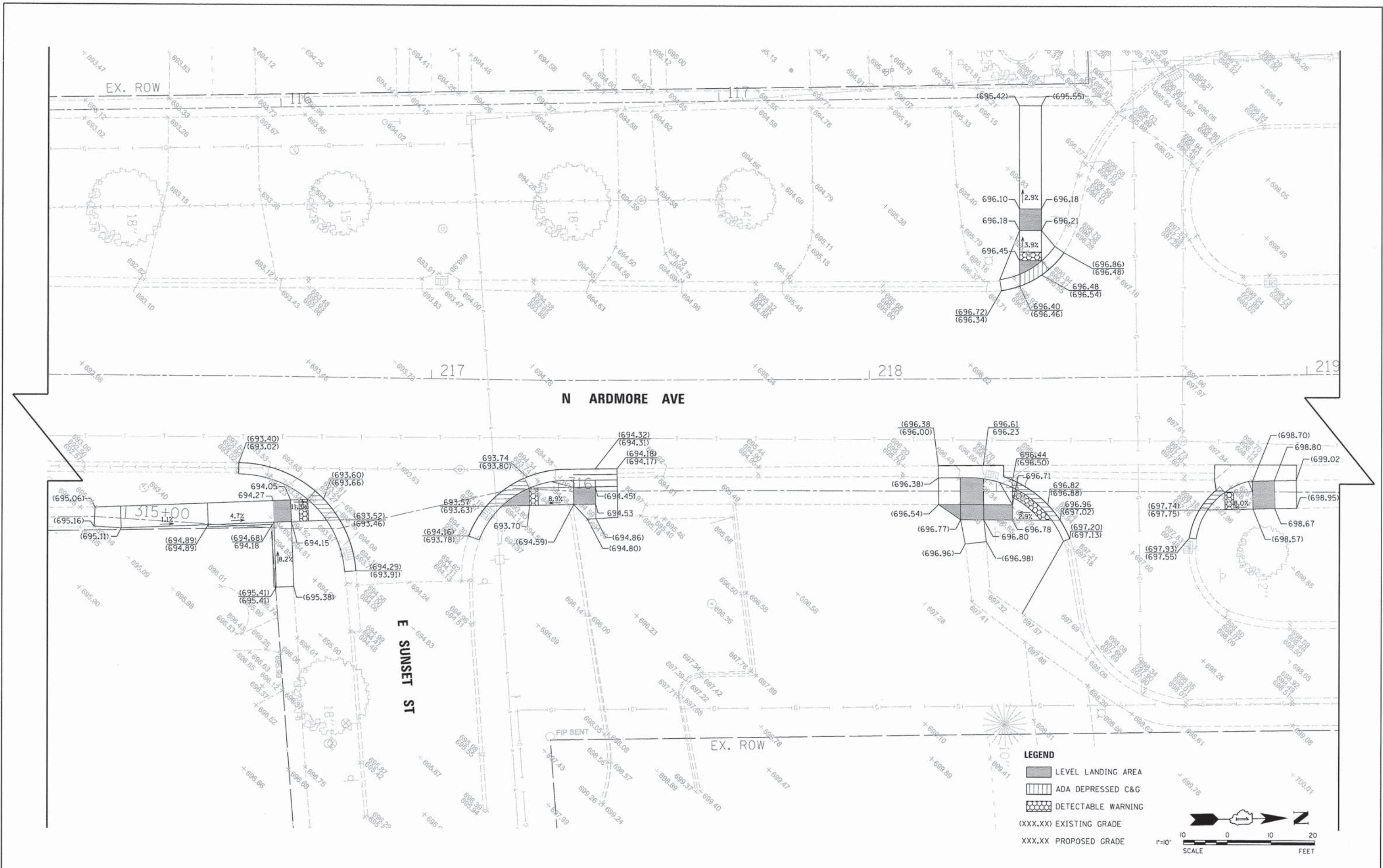
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	DATE - 04-07-15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

GRADING PLAN

SCALE: 1" = 10' SHEET NO. 3 OF 5 SHEETS STA. 212+00.00 TO STA. 214+95.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	15
CONTRACT NO. 61B07			ILLINOIS FED. AID PROJECT	



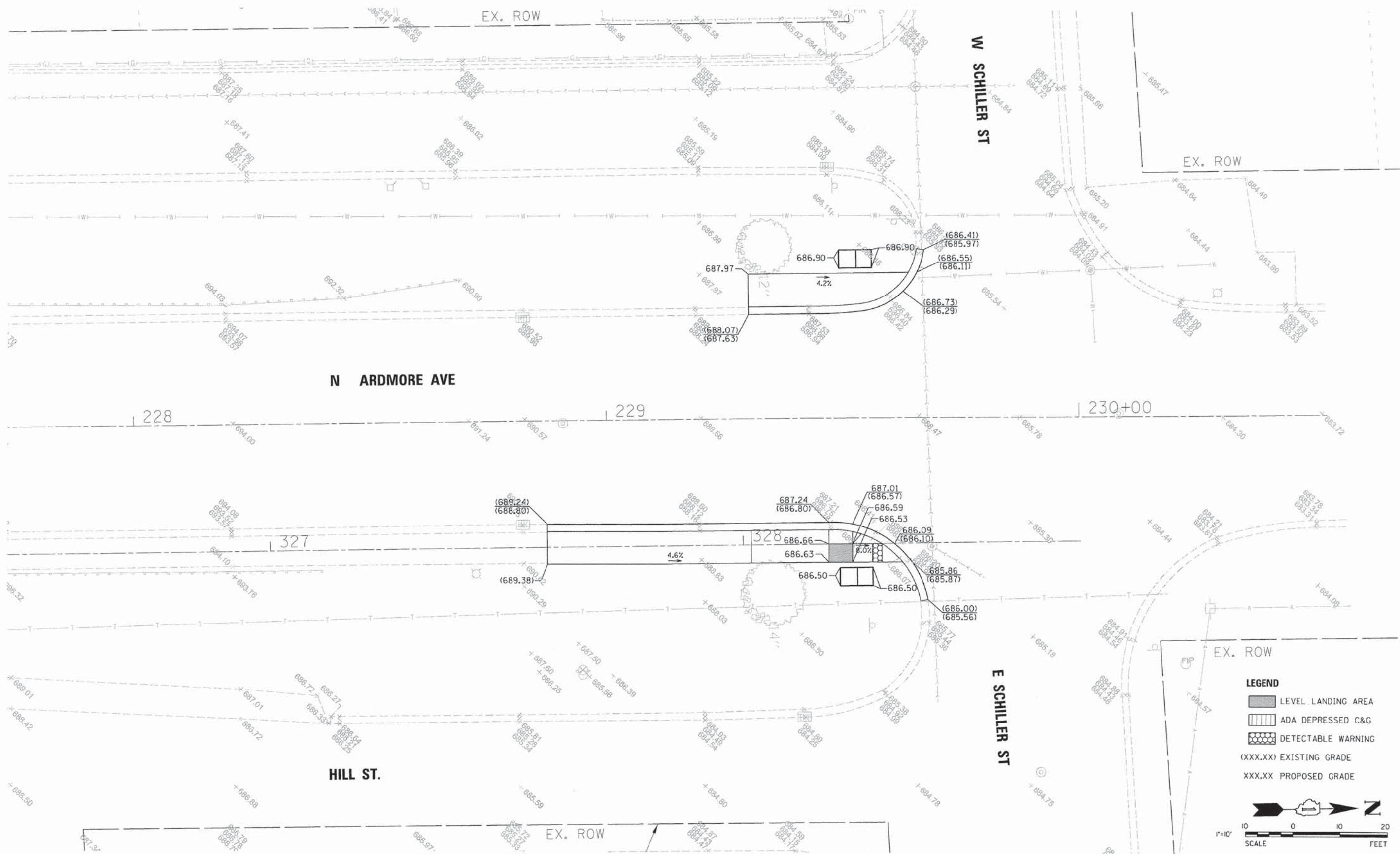
V3 Companies
 7325 Janes Avenue
 Woodridge, IL 60517
 630.724.9200 phone
 630.724.9202 fax
 www.v3co.com

USER NAME = #USER#	DESIGNED - EIH	REVISED -
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -
PLOT DATE = #DATE#	CHECKED - MJR	REVISED -
	DATE - 04-07-15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

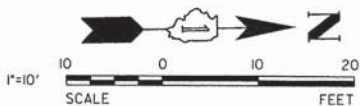
GRADING PLAN		
SCALE: 1" = 10'	SHEET NO. 4 OF 5 SHEETS	STA. 216+12.00 TO STA. 219+07.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	16
CONTRACT NO. 61B07			ILLINOIS FED. AID PROJECT	



LEGEND

- LEVEL LANDING AREA
- ADA DEPRESSED C&G
- DETECTABLE WARNING
- (XXX.XX) EXISTING GRADE
- XXX.XX PROPOSED GRADE



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USER NAME = #USER#
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DRAWN - DRP
CHECKED - MJR
DATE - 04-07-15

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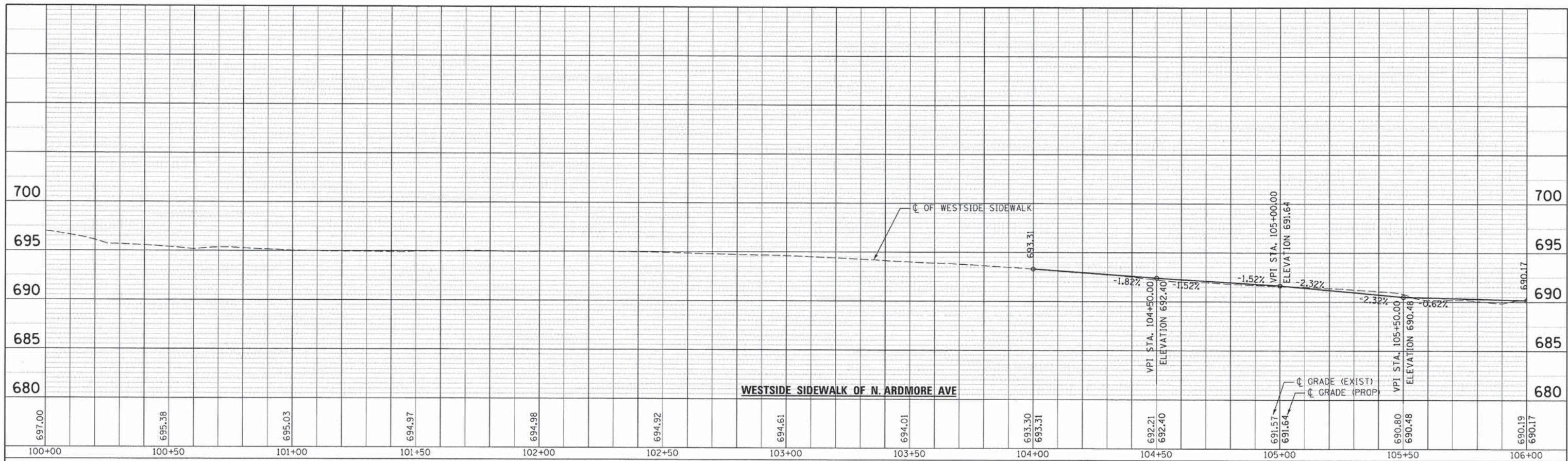
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GRADING PLAN

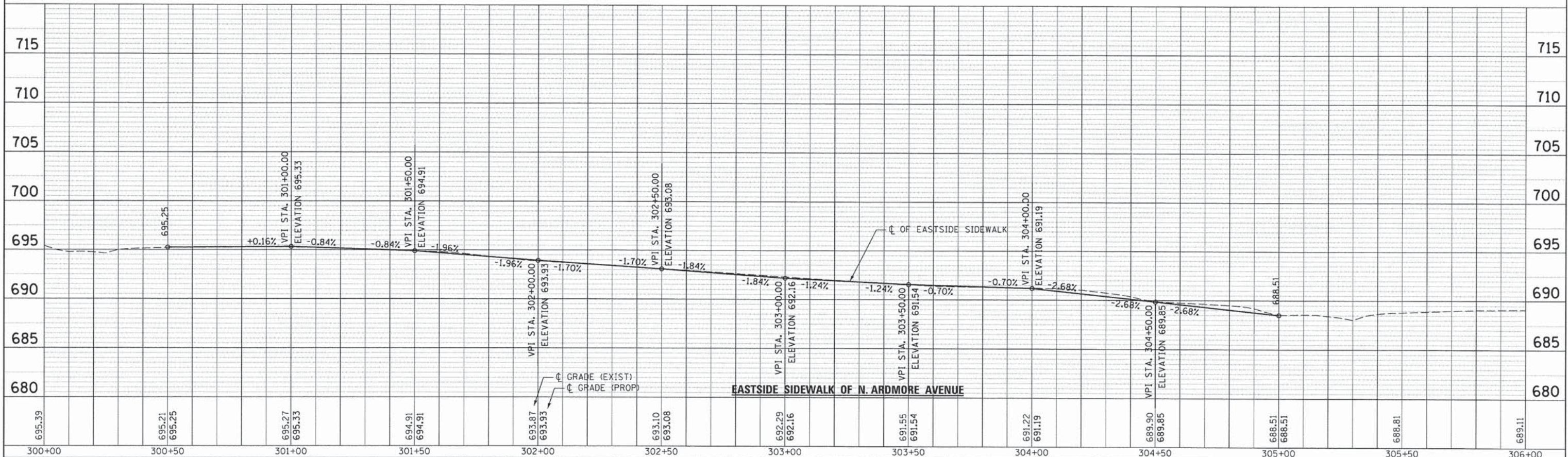
SCALE: 1" = 10' SHEET NO. 5 OF 5 SHEETS STA. 227+73.00 TO STA. 230+53.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	17
CONTRACT NO. 61B07			ILLINOIS FED. AID PROJECT	

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



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	BY		
	NOTE BOOK		
	NO.		
	STRUCTURE NOTATIONS CHKD		



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USER NAME = #USER#
DESIGNED - EIH
DRAWN - DRP
CHECKED - MJR
DATE - 04-07-15

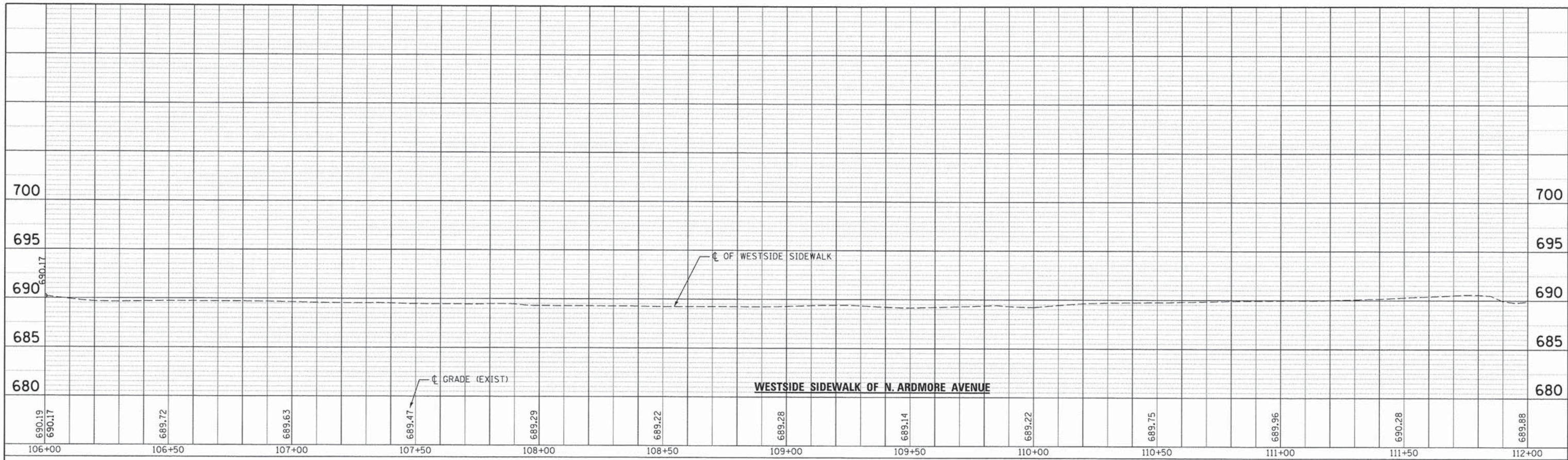
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

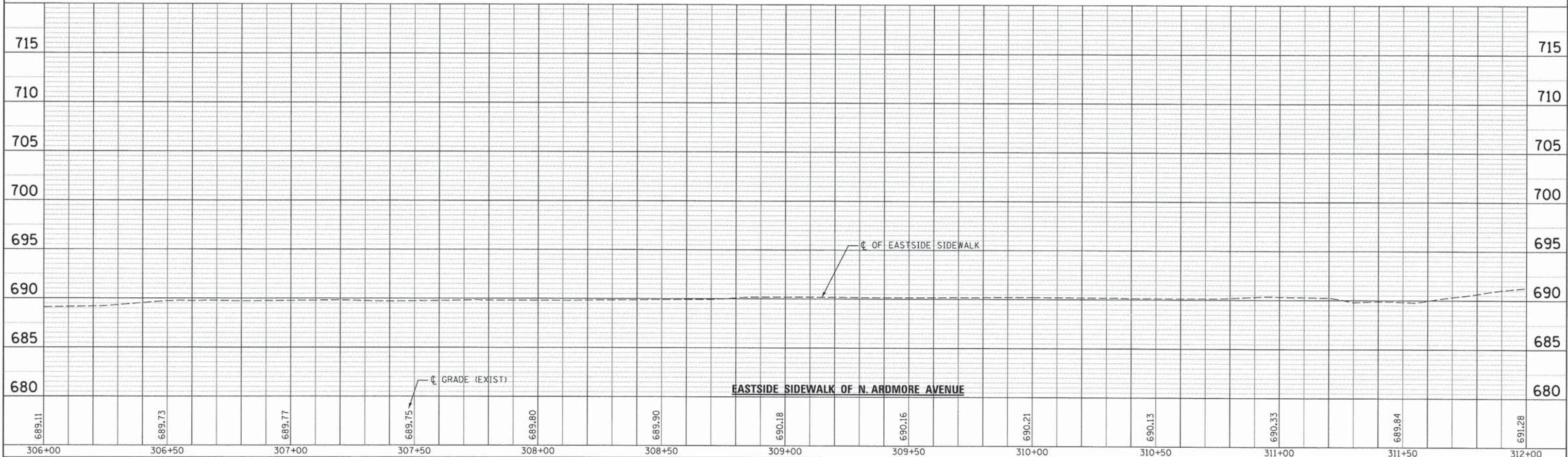
SIDWALK PROFILES
SCALE: 1" = 20'
SHEET 1 OF 5 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	18
CONTRACT NO. 61B07			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	PLotted		
	Checked		
	BY		
	NOTE BOOK		
	NO.		
	FILE NAME		



PROFILE	SURVEYED	BY	DATE
	PLotted		
	Checked		
	BY		
	NOTE BOOK		
	NO.		
	STRUCTURE		
	NOTATIONS		
	CHKD		



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USER NAME = #USER#
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CHECKED - MJR
DATE - 04-07-15

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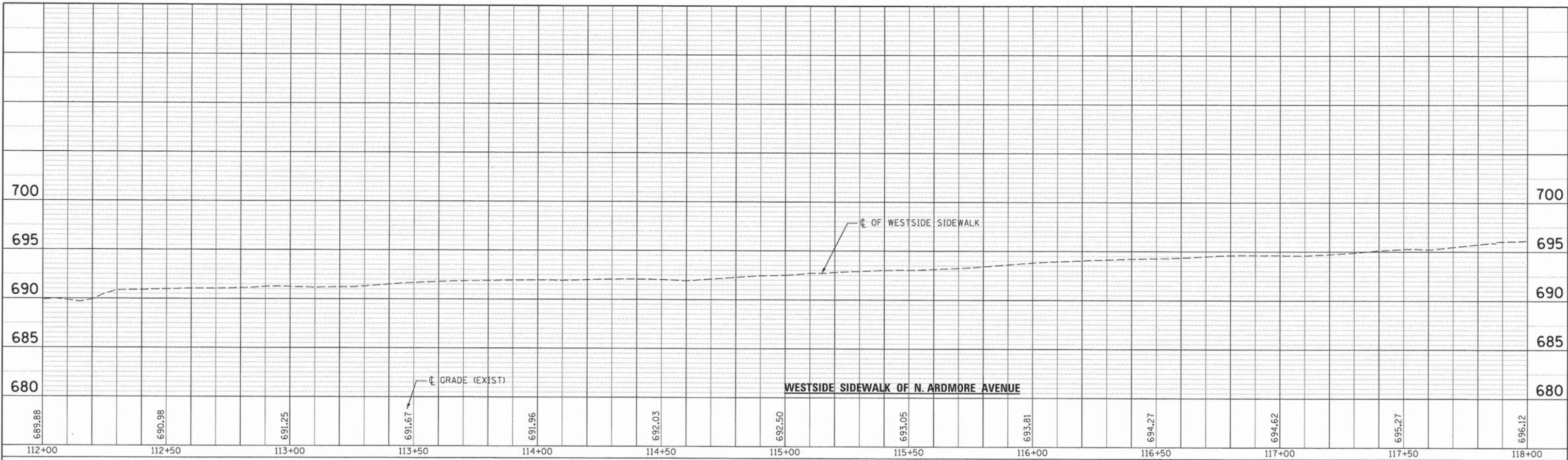
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK PROFILES

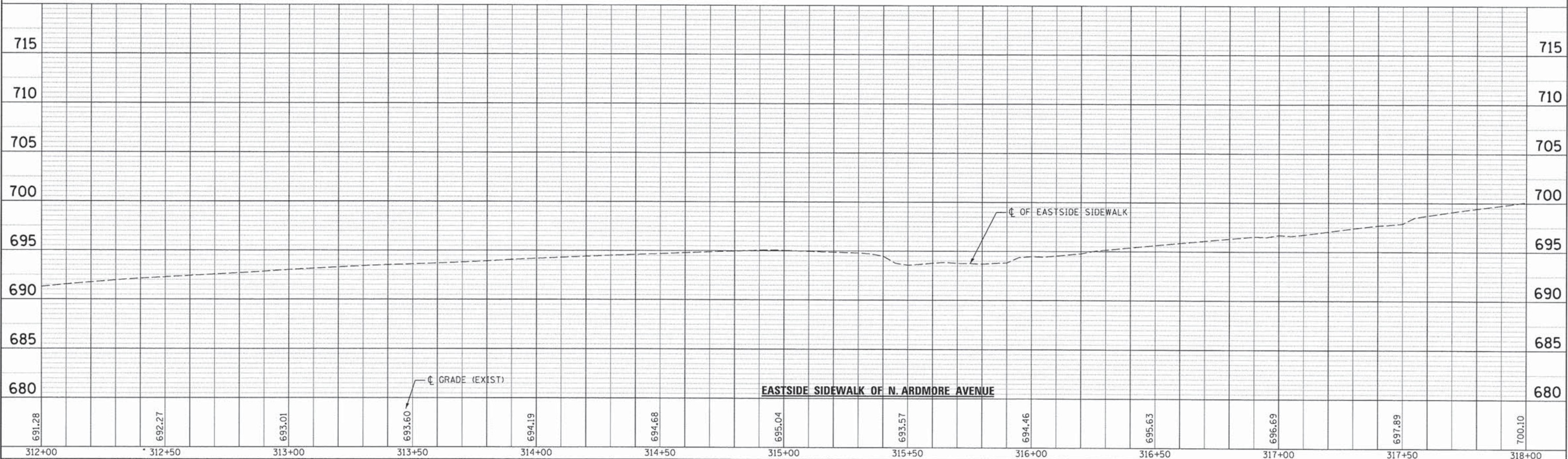
SCALE: 1" = 20' SHEET 2 OF 5 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	19
CONTRACT NO. 61B07			ILLINOIS FED. AID PROJECT	

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



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	BY		
	NO.		
	NOTE BOOK		
	NO.		
	STRUCTURE NOTATIONS		



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USER NAME = #USER#
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DRAWN - DRP
CHECKED - MJR
DATE - 04-07-15

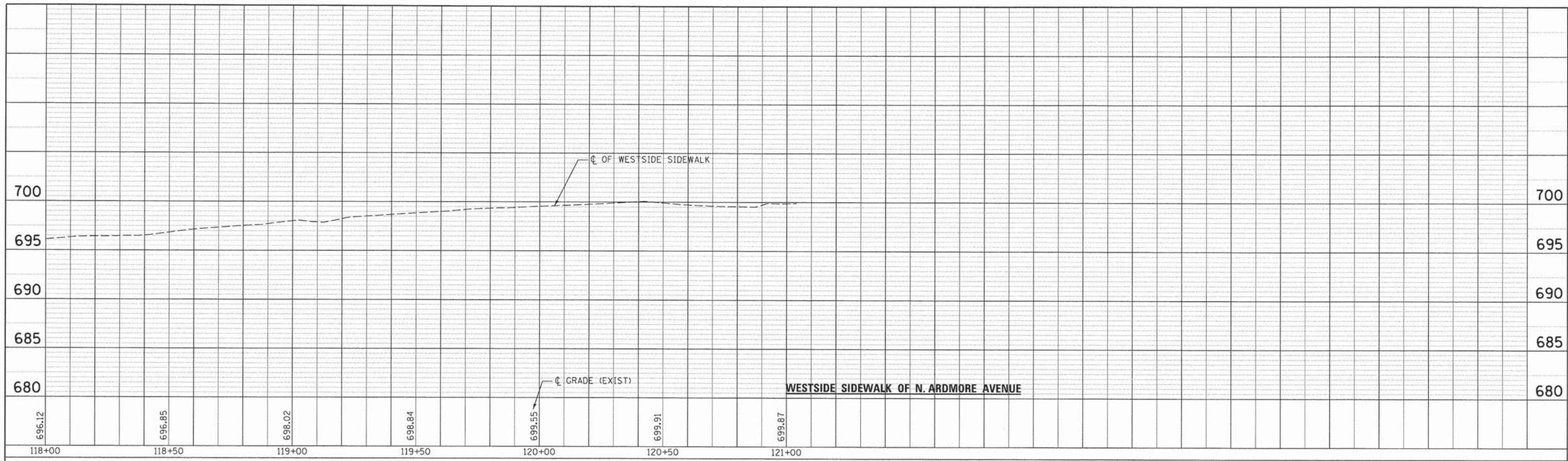
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

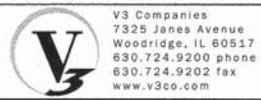
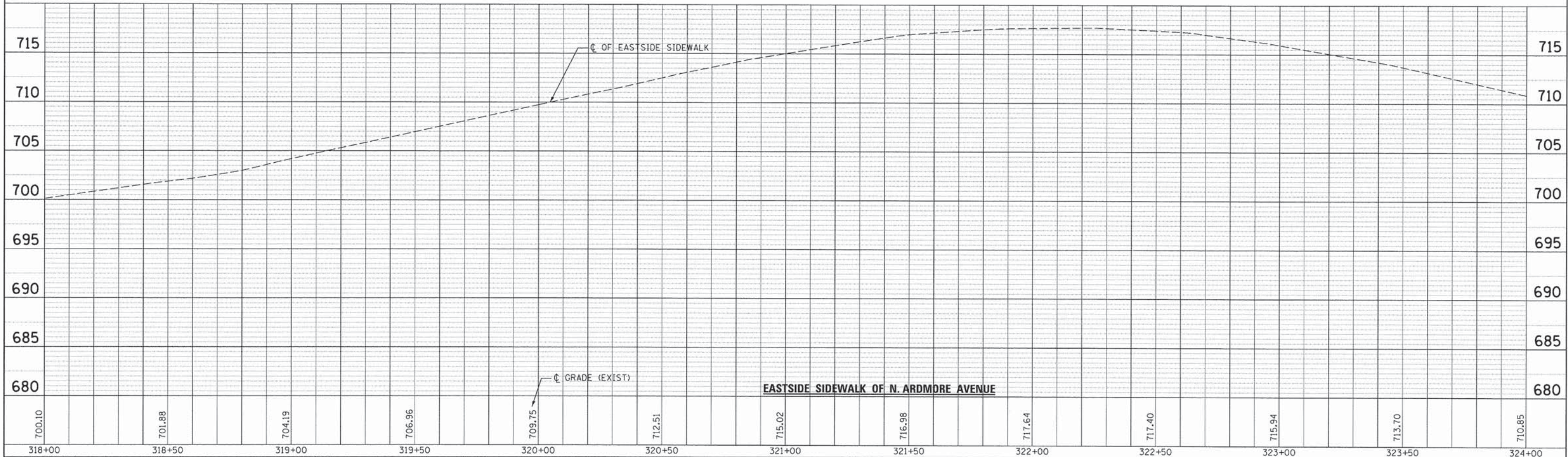
SIDEWALK PROFILES
SCALE: 1" = 20'
SHEET 3 OF 5 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	20
CONTRACT NO. 61B07				
ILLINOIS FED. AID PROJECT				

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



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	BY		
	NOTE BOOK NO.		
	STRUCTURE NOTATIONS CHKD		



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USER NAME = #USER#	DESIGNED - EIH	REVISED -
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -
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	DATE - 04-07-15	REVISED -

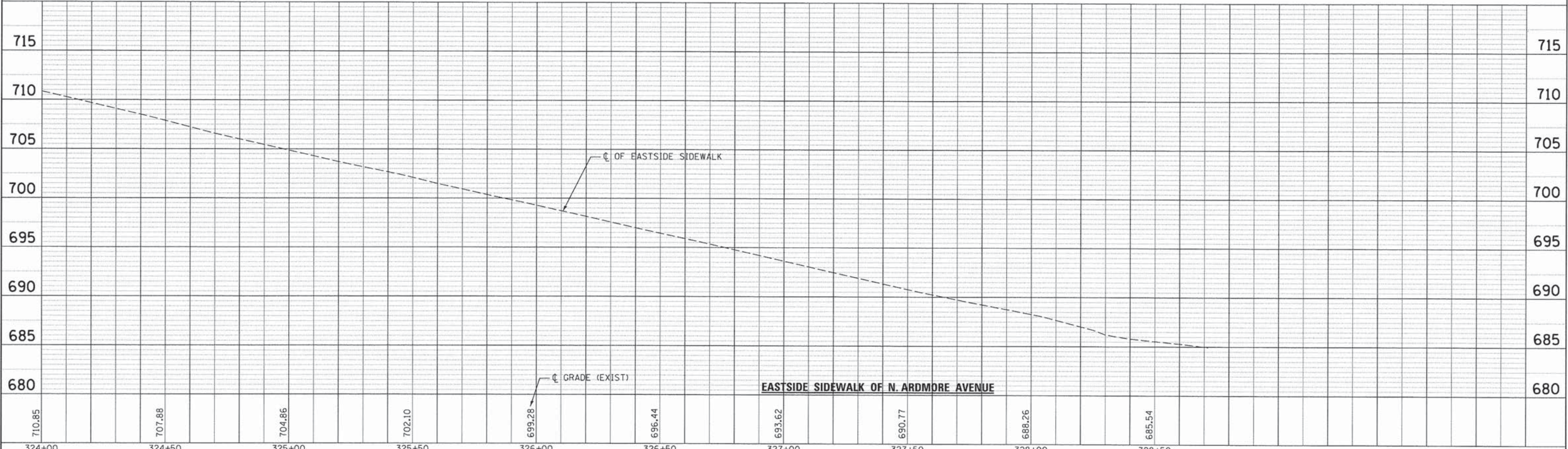
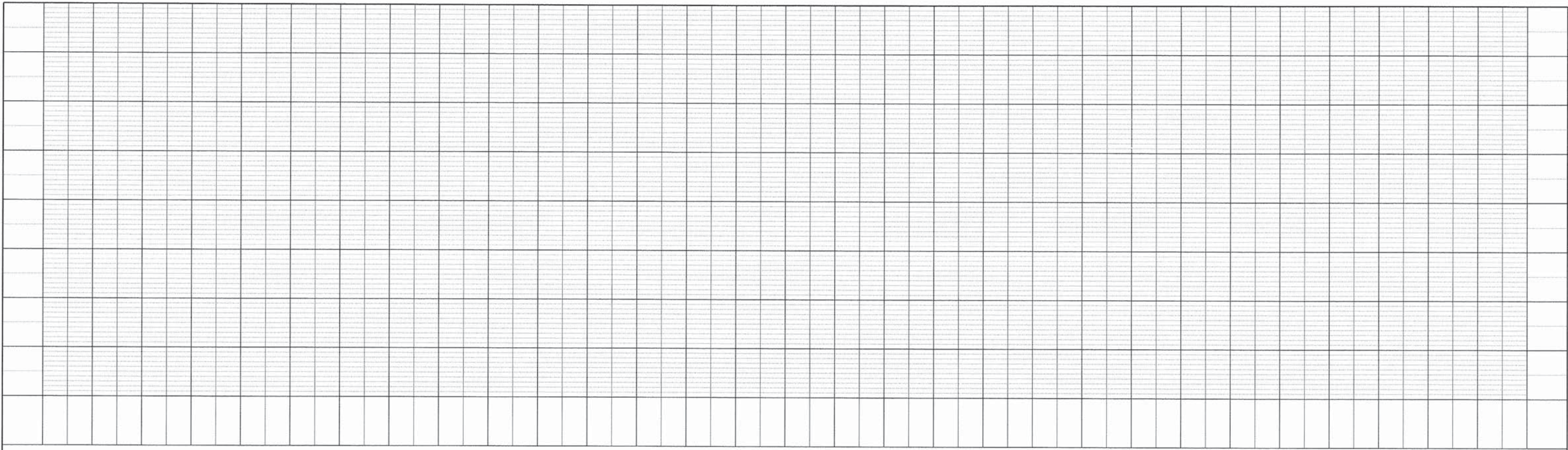
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK PROFILES
SCALE: 1" = 20' SHEET 4 OF 5 SHEETS

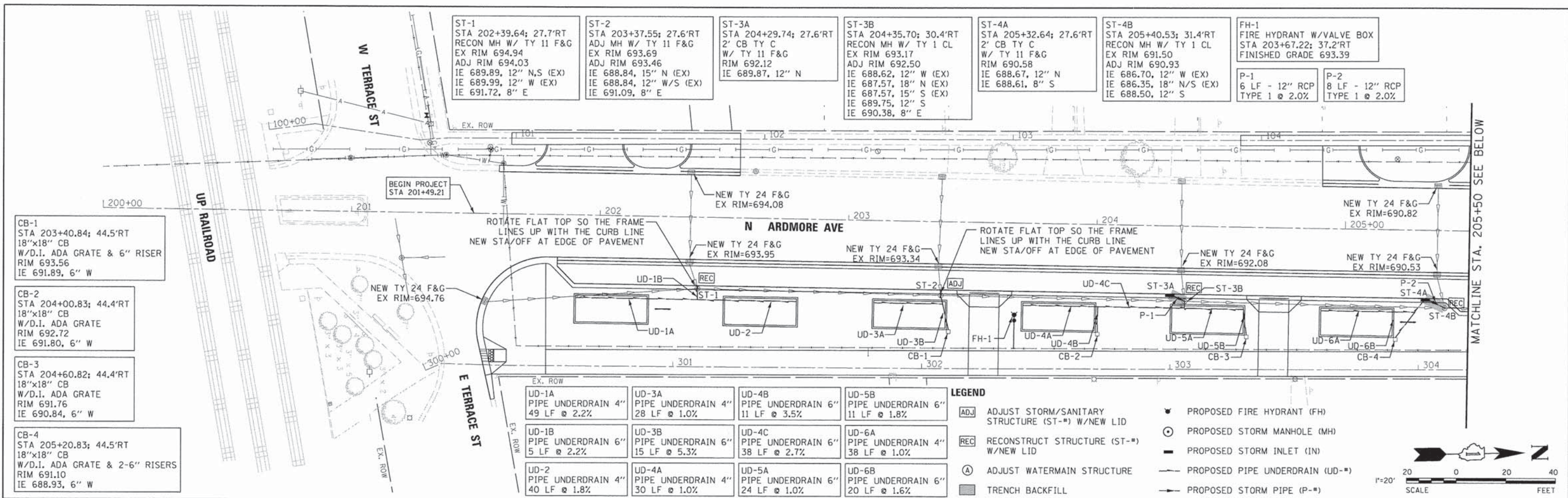
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	21
CONTRACT NO. 61B07			ILLINOIS FED. AID PROJECT	

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

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	BY		
	NOTE BOOK NO.		
	STRUCTURE NOTATIONS		



 V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = #USER# PLOT SCALE = #SCALE# PLOT DATE = #DATE#	DESIGNED - EIH DRAWN - DRP CHECKED - MJR DATE - 04-07-15	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDEWALK PROFILES	F.A.U. RTE. 2651	SECTION 10-0091-00-LS	COUNTY DUPAGE	TOTAL SHEETS 53	SHEET NO. 22	CONTRACT NO. 61B07
	SCALE: 1" = 20' SHEET 5 OF 5 SHEETS		ILLINOIS FED. AID PROJECT								



CB-1 STA 203+40.84; 44.5'RT 18"x18" CB W/D.I. ADA GRATE & 6" RISER RIM 693.56 IE 691.89, 6" W
CB-2 STA 204+00.83; 44.4'RT 18"x18" CB W/D.I. ADA GRATE RIM 692.72 IE 691.80, 6" W
CB-3 STA 204+60.82; 44.4'RT 18"x18" CB W/D.I. ADA GRATE RIM 691.76 IE 690.84, 6" W
CB-4 STA 205+20.83; 44.5'RT 18"x18" CB W/D.I. ADA GRATE & 2-6" RISERS RIM 691.10 IE 688.93, 6" W

ST-1 STA 202+39.64; 27.7'RT RECON MH W/ TY 11 F&G EX RIM 694.94 ADJ RIM 694.03 IE 689.89, 12" N,S (EX) IE 689.99, 12" W (EX) IE 691.72, 8" E	ST-2 STA 203+37.55; 27.6'RT ADJ MH W/ TY 11 F&G EX RIM 693.69 ADJ RIM 693.46 IE 688.84, 15" N (EX) IE 688.84, 12" W/S (EX) IE 691.09, 8" E	ST-3A STA 204+29.74; 27.6'RT 2' CB TY C W/ TY 11 F&G RIM 692.12 IE 689.87, 12" N	ST-3B STA 204+35.70; 30.4'RT RECON MH W/ TY 1 CL EX RIM 693.17 ADJ RIM 692.50 IE 688.62, 12" W (EX) IE 687.57, 18" N (EX) IE 687.57, 15" S (EX) IE 689.75, 12" S IE 690.38, 8" E	ST-4A STA 205+32.64; 27.6'RT 2' CB TY C W/ TY 11 F&G RIM 690.58 IE 688.67, 12" N IE 688.61, 8" S	ST-4B STA 205+40.53; 31.4'RT RECON MH W/ TY 1 CL EX RIM 691.50 ADJ RIM 690.93 IE 686.70, 12" W (EX) IE 686.35, 18" N/S (EX) IE 688.50, 12" S	FH-1 FIRE HYDRANT W/VALVE BOX STA 203+67.22; 37.2'RT FINISHED GRADE 693.39	P-1 6 LF - 12" RCP TYPE 1 @ 2.0%	P-2 8 LF - 12" RCP TYPE 1 @ 2.0%
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UD-1A PIPE UNDERDRAIN 4" 49 LF @ 2.2%	UD-3A PIPE UNDERDRAIN 4" 28 LF @ 1.0%	UD-4B PIPE UNDERDRAIN 6" 11 LF @ 3.5%	UD-5B PIPE UNDERDRAIN 6" 11 LF @ 1.8%
UD-1B PIPE UNDERDRAIN 6" 5 LF @ 2.2%	UD-3B PIPE UNDERDRAIN 6" 15 LF @ 5.3%	UD-4C PIPE UNDERDRAIN 6" 38 LF @ 2.7%	UD-6A PIPE UNDERDRAIN 4" 38 LF @ 1.0%
UD-2 PIPE UNDERDRAIN 4" 40 LF @ 1.8%	UD-4A PIPE UNDERDRAIN 4" 30 LF @ 1.0%	UD-5A PIPE UNDERDRAIN 6" 24 LF @ 1.0%	UD-6B PIPE UNDERDRAIN 6" 20 LF @ 1.6%

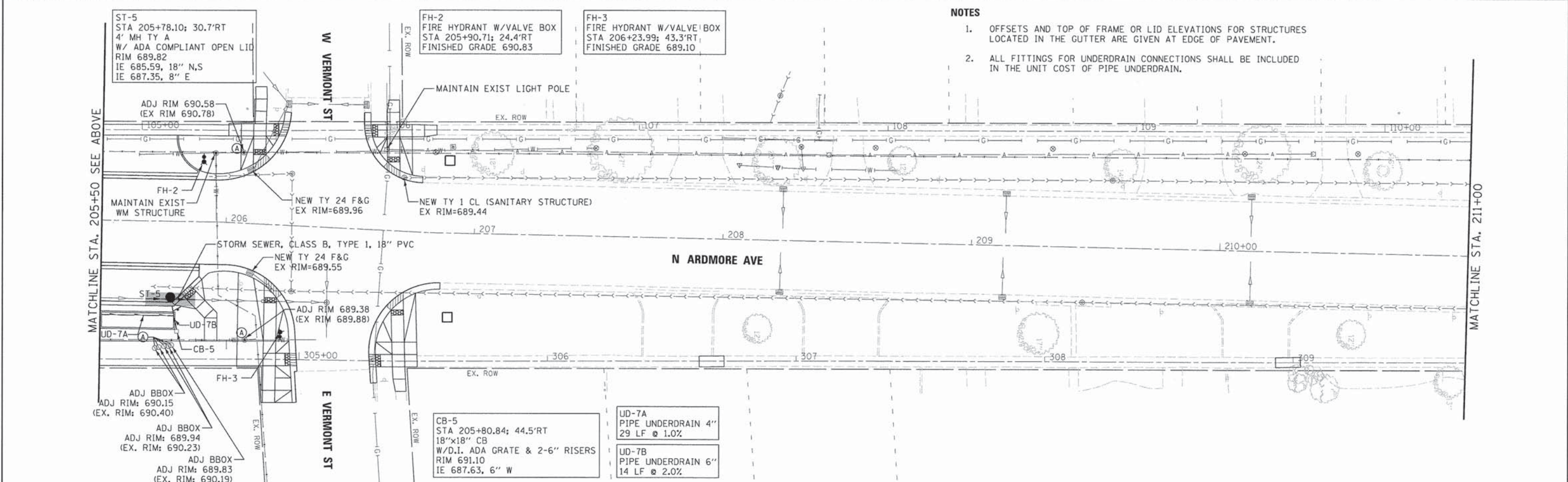
LEGEND

ADJ ADJUST STORM/SANITARY STRUCTURE (ST-#) W/NEW LID	▼ PROPOSED FIRE HYDRANT (FH)
REC RECONSTRUCT STRUCTURE (ST-#) W/NEW LID	⊙ PROPOSED STORM MANHOLE (MH)
Ⓐ ADJUST WATERMAIN STRUCTURE	— PROPOSED STORM INLET (IN)
■ TRENCH BACKFILL	— PROPOSED PIPE UNDERDRAIN (UD-#)
	— PROPOSED STORM PIPE (P-#)

NOTES

- OFFSETS AND TOP OF FRAME OR LID ELEVATIONS FOR STRUCTURES LOCATED IN THE GUTTER ARE GIVEN AT EDGE OF PAVEMENT.
- ALL FITTINGS FOR UNDERDRAIN CONNECTIONS SHALL BE INCLUDED IN THE UNIT COST OF PIPE UNDERDRAIN.

SCALE: 1" = 20' FEET

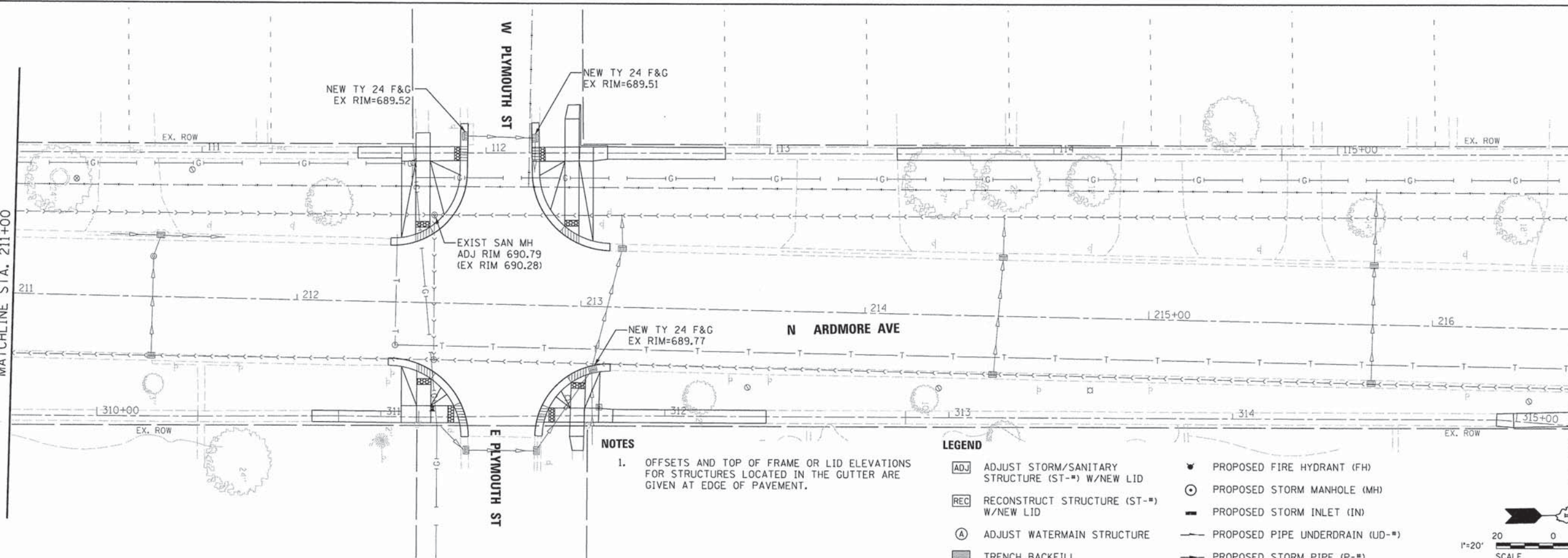


ST-5 STA 205+78.10; 30.7'RT 4' MH TY A W/ ADA COMPLIANT OPEN LID RIM 689.82 IE 685.59, 18" N,S IE 687.35, 8" E	FH-2 FIRE HYDRANT W/VALVE BOX STA 205+90.71; 24.4'RT FINISHED GRADE 690.83	FH-3 FIRE HYDRANT W/VALVE BOX STA 206+23.99; 43.3'RT FINISHED GRADE 689.10
CB-5 STA 205+80.84; 44.5'RT 18"x18" CB W/D.I. ADA GRATE & 2-6" RISERS RIM 691.10 IE 687.63, 6" W	UD-7A PIPE UNDERDRAIN 4" 29 LF @ 1.0%	UD-7B PIPE UNDERDRAIN 6" 14 LF @ 2.0%

V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = vhsu PLOT SCALE = 20' PLOT DATE = 4/7/2015	DESIGNED - EIH DRAWN - DRP CHECKED - MJR DATE - 04-07-15	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITIES PLAN	F.A.U. RTE. 2651 SECTION 10-00091-00-LS COUNTY DUPAGE TOTAL SHEETS 53 SHEET NO. 23 CONTRACT NO. 61B07
	SCALE: 1" = 20' SHEET NO. 1 OF 3 SHEETS STA. 200+00.00 TO STA. 211+00.00			ILLINOIS FED. AID PROJECT		

MATCHLINE STA. 211+00

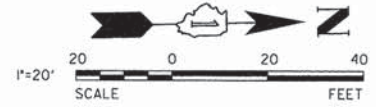
MATCHLINE STA. 216+50 SEE BELOW



NOTES

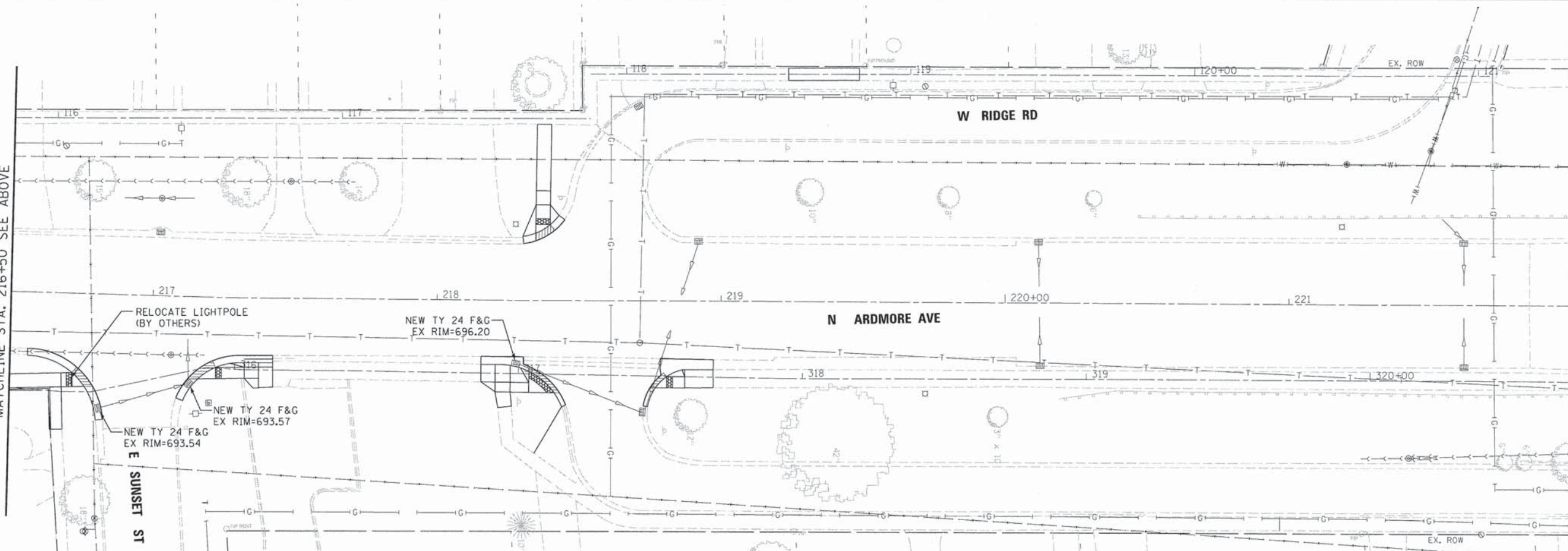
1. OFFSETS AND TOP OF FRAME OR LID ELEVATIONS FOR STRUCTURES LOCATED IN THE GUTTER ARE GIVEN AT EDGE OF PAVEMENT.

- LEGEND**
- [ADJ] ADJUST STORM/SANITARY STRUCTURE (ST-#) W/NEW LID
 - [REC] RECONSTRUCT STRUCTURE (ST-#) W/NEW LID
 - (A) ADJUST WATERMAIN STRUCTURE
 - [T] TRENCH BACKFILL
 - ▼ PROPOSED FIRE HYDRANT (FH)
 - ⊙ PROPOSED STORM MANHOLE (MH)
 - PROPOSED STORM INLET (IN)
 - PROPOSED PIPE UNDERDRAIN (UD-#)
 - PROPOSED STORM PIPE (P-#)



MATCHLINE STA. 216+50 SEE ABOVE

MATCHLINE STA. 222+00



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USER NAME = #USER#
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DATE - 04-07-15

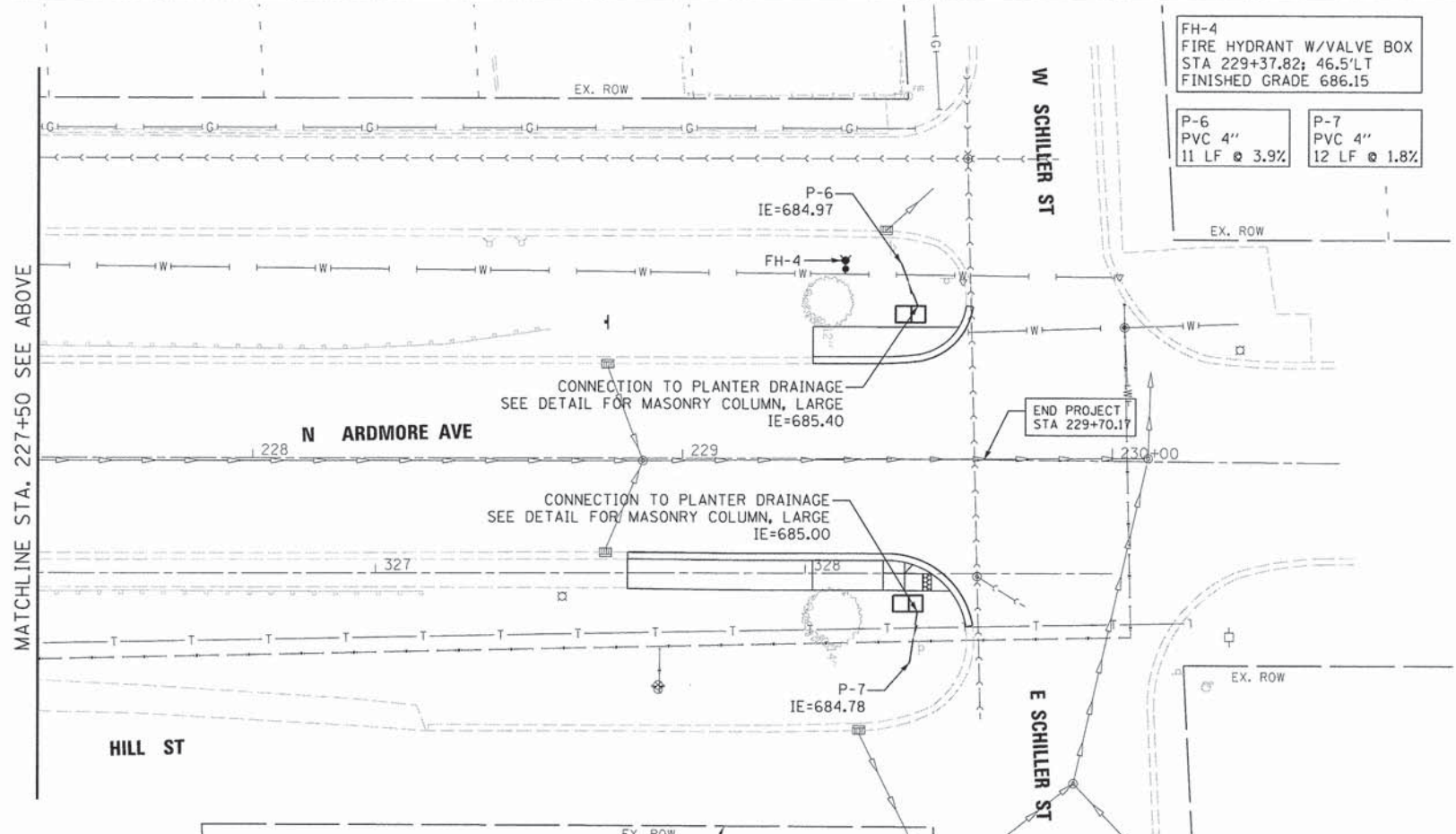
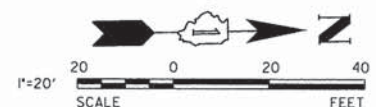
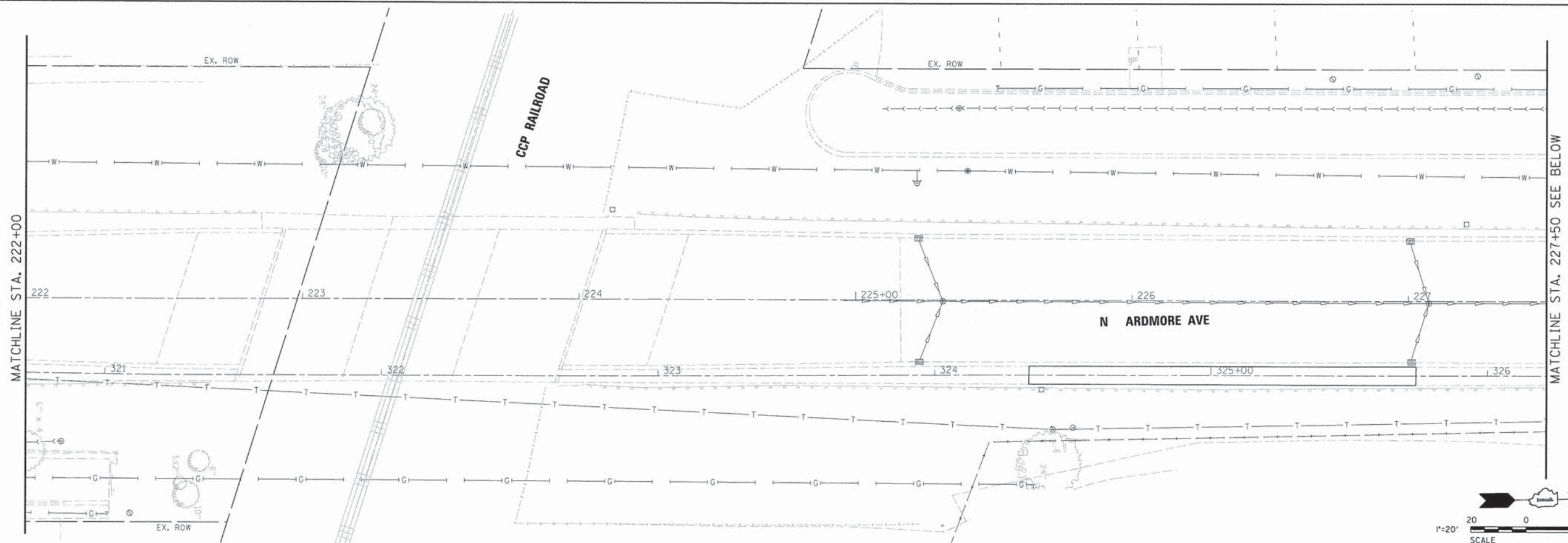
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITIES PLAN

SCALE: 1" = 20' SHEET NO. 2 OF 3 SHEETS STA. 211+00.00 TO STA. 222+00.00

F.A.J. RTE. 2651	SECTION 10-00091-00-LS	COUNTY DUPAGE	TOTAL SHEETS 53	SHEET NO. 24
CONTRACT NO. 61B07			ILLINOIS FED. AID PROJECT	



LEGEND

- [ADJ] ADJUST STORM/SANITARY STRUCTURE (ST-*) W/NEW LID
- [REC] RECONSTRUCT STRUCTURE (ST-*) W/NEW LID
- (A) ADJUST WATERMAIN STRUCTURE
- [TRENCH] TRENCH BACKFILL
- ▼ PROPOSED FIRE HYDRANT (FH)
- ⊙ PROPOSED STORM MANHOLE (MH)
- ▬ PROPOSED STORM INLET (IN)
- PROPOSED PIPE UNDERDRAIN (UD-*)
- PROPOSED STORM PIPE (P-*)

NOTES

1. OFFSETS AND TOP OF FRAME OR LID ELEVATIONS FOR STRUCTURES LOCATED IN THE GUTTER ARE GIVEN AT EDGE OF PAVEMENT.



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USER NAME = #USER#
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CHECKED - MJR
DATE - 04-07-15

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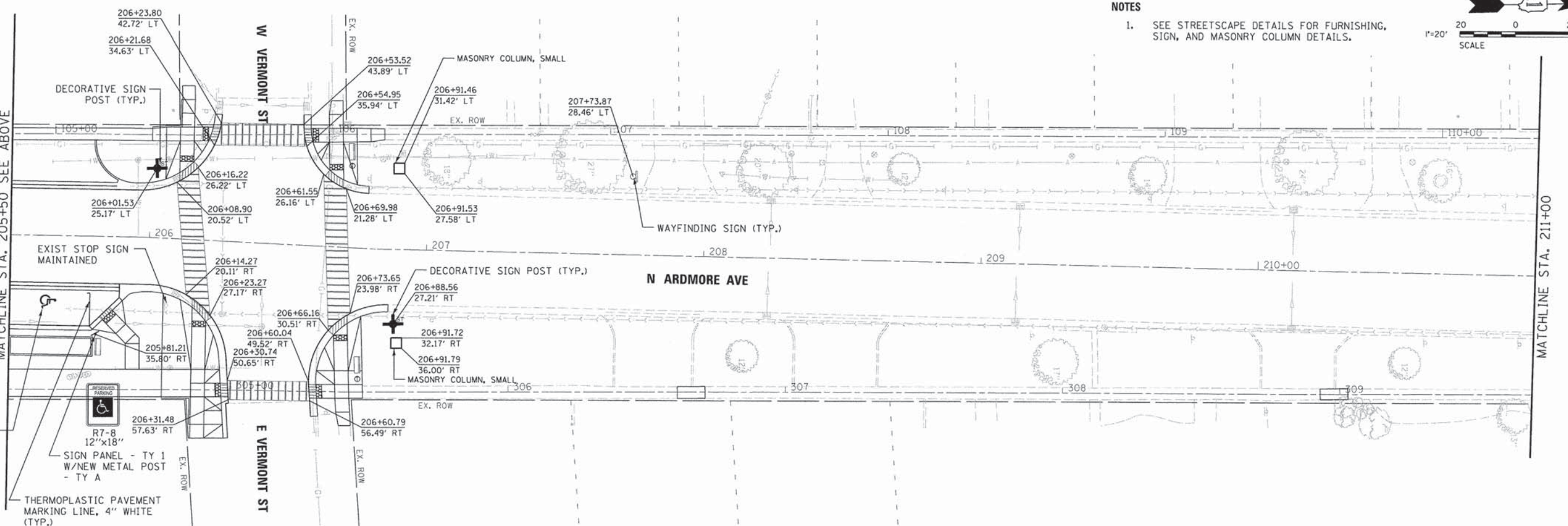
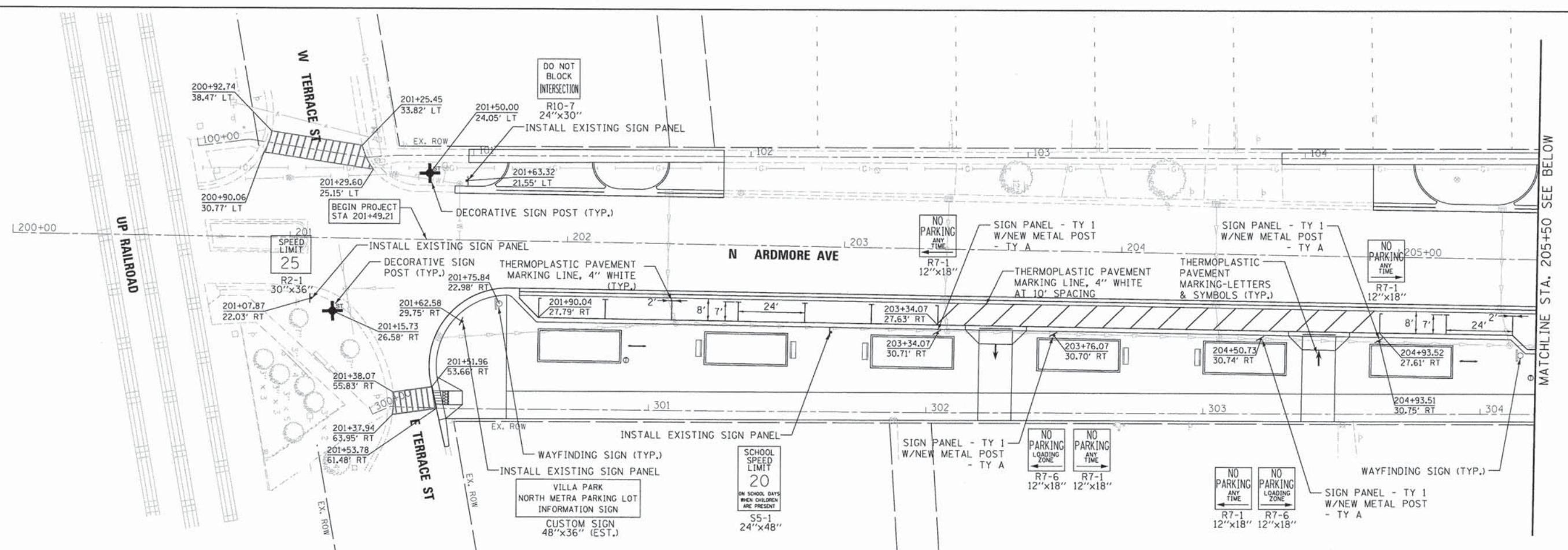
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITIES PLAN

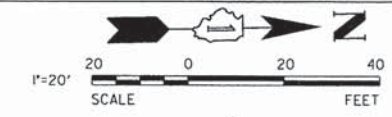
SCALE: 1" = 20' SHEET NO. 3 OF 3 SHEETS STA. 222+00.00 TO STA. 230+53.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
265I	10-00091-00-LS	DUPAGE	53	25
			CONTRACT NO. 61B07	

ILLINOIS FED. AID PROJECT



NOTES
 1. SEE STREETSCAPE DETAILS FOR FURNISHING, SIGN, AND MASONRY COLUMN DETAILS.



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USER NAME = ehou
 DESIGNED - EIH
 DRAWN - DRP
 CHECKED - MJR
 DATE - 04-07-15

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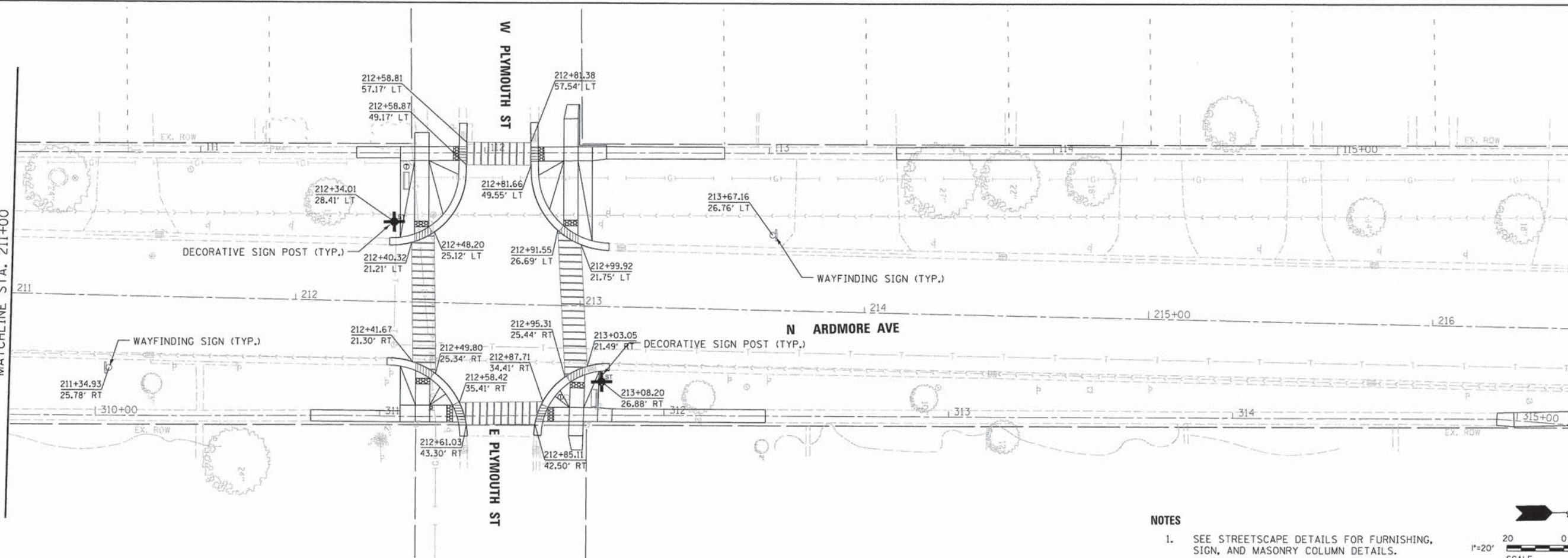
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNAGE PLAN
 SCALE: 1" = 20'
 SHEET NO. 1 OF 3 SHEETS
 STA. 200+00.00 TO STA. 211+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	26
			CONTRACT NO. 61B07	
ILLINOIS FED. AID PROJECT				

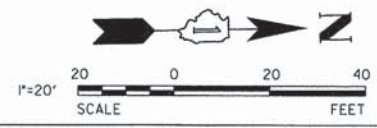
MATCHLINE STA. 211+00

MATCHLINE STA. 216+50 SEE BELOW



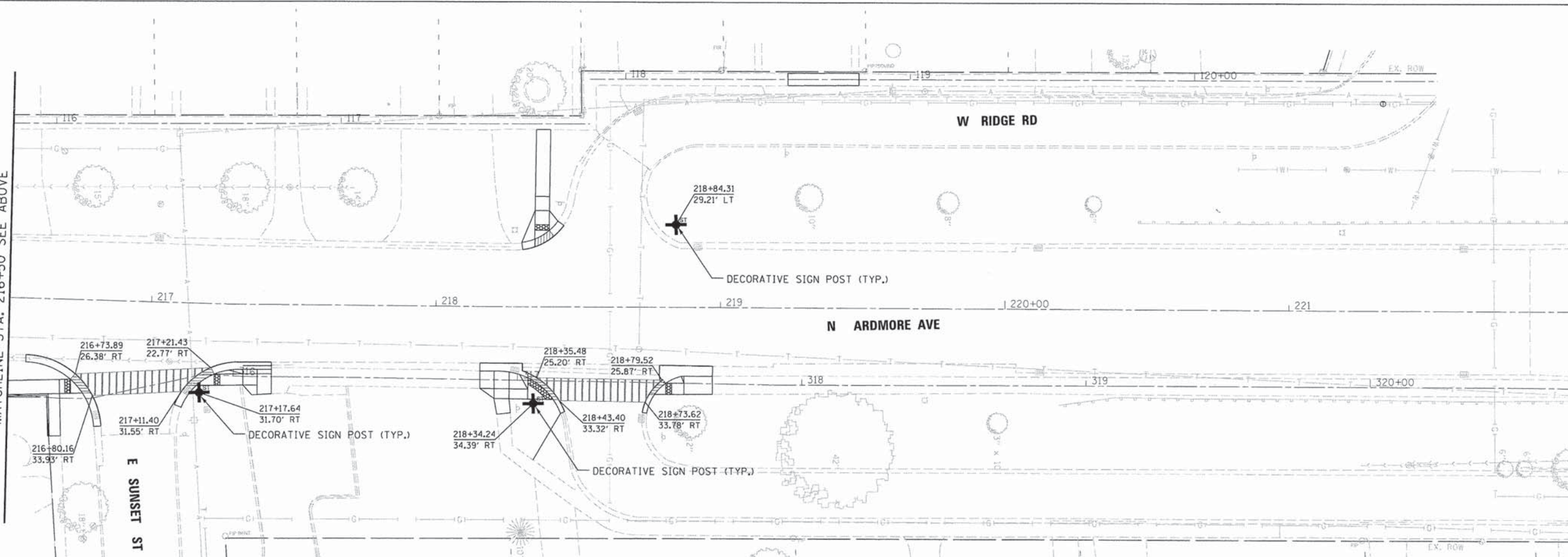
NOTES

1. SEE STREETScape DETAILS FOR FURNISHING, SIGN, AND MASONRY COLUMN DETAILS.



MATCHLINE STA. 216+50 SEE ABOVE

MATCHLINE STA. 222+00



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USER NAME = #USER#
DESIGNED - EIH
DRAWN - DRP
CHECKED - MJR
DATE - 04-07-15

REVISED -
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REVISED -

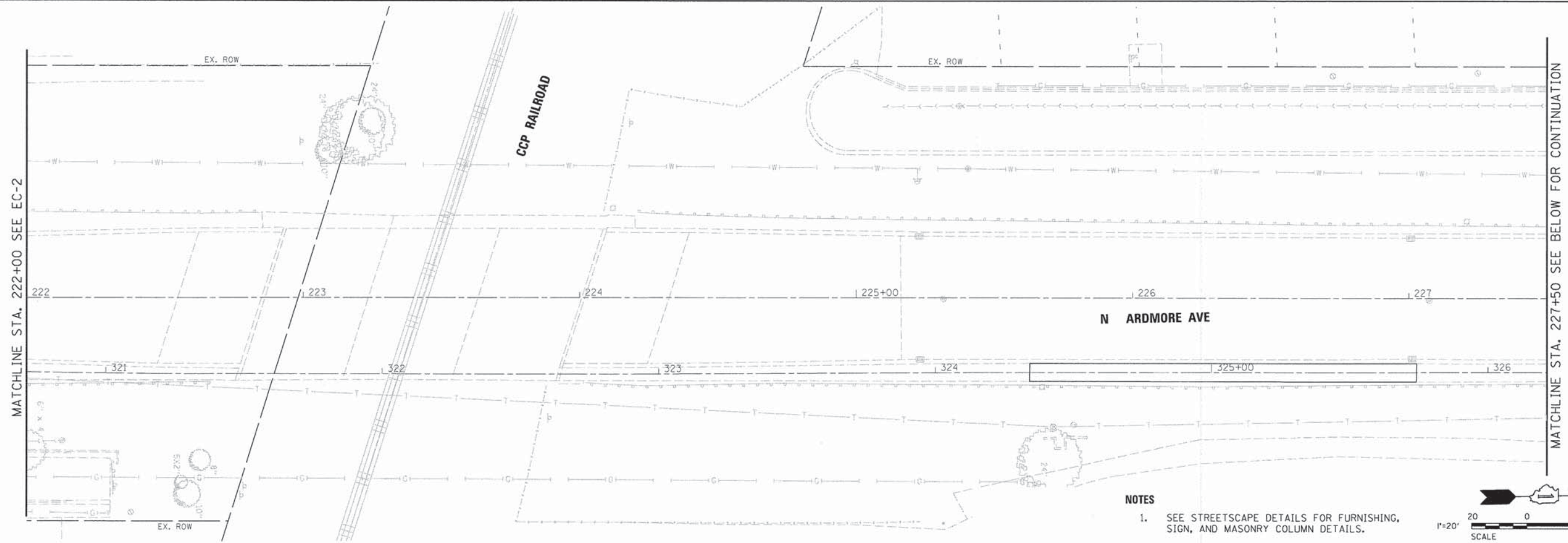
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNAGE PLAN

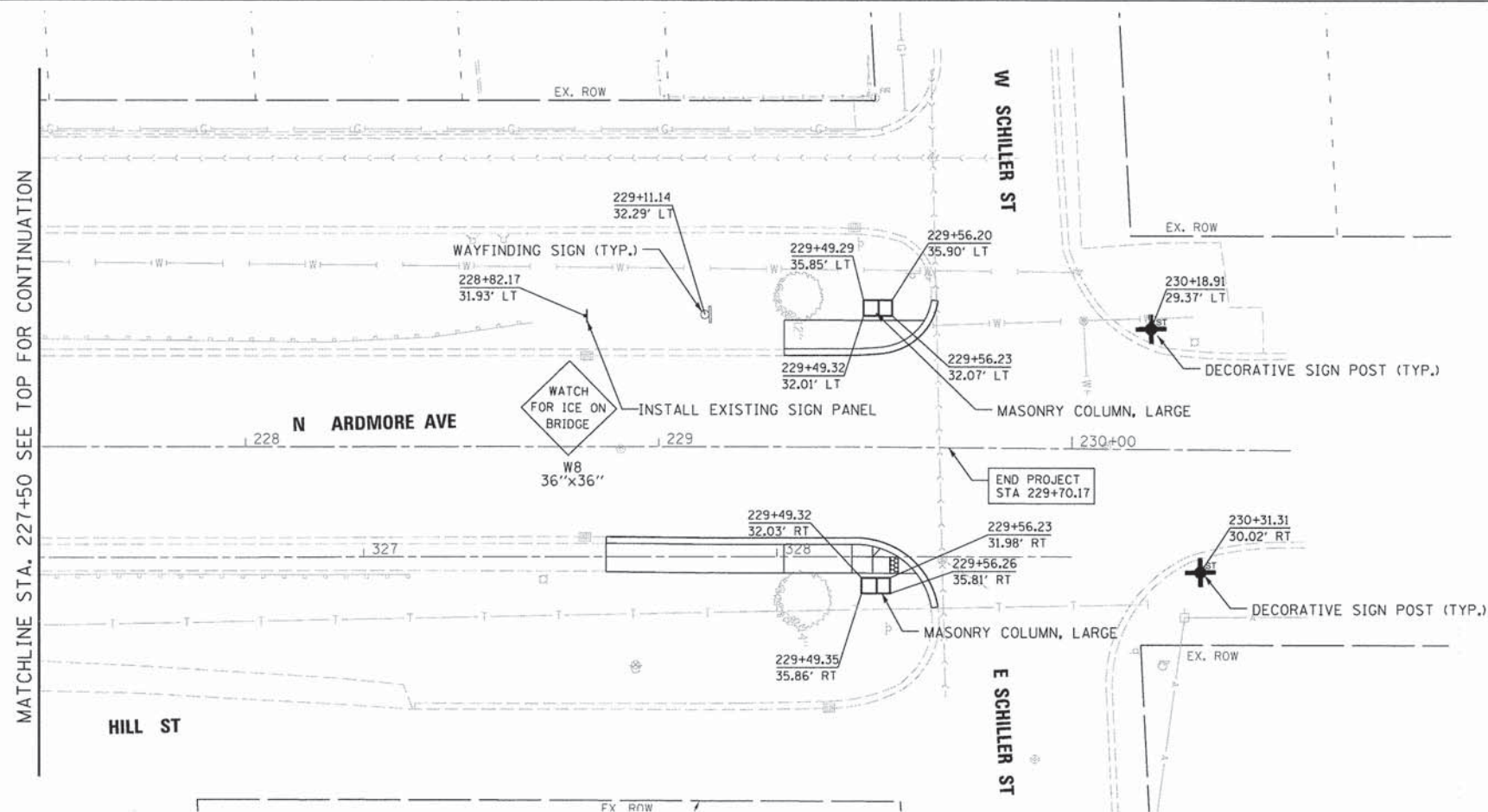
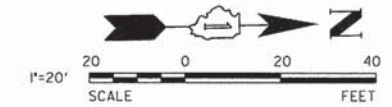
SCALE: 1" = 20' SHEET NO. 2 OF 3 SHEETS STA. 211+00.00 TO STA. 222+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	27
			CONTRACT NO. 61B07	

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NOTES
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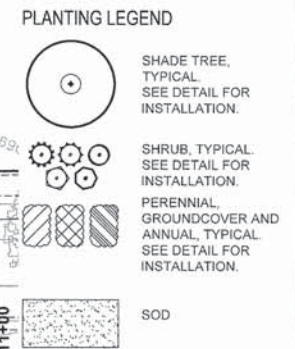
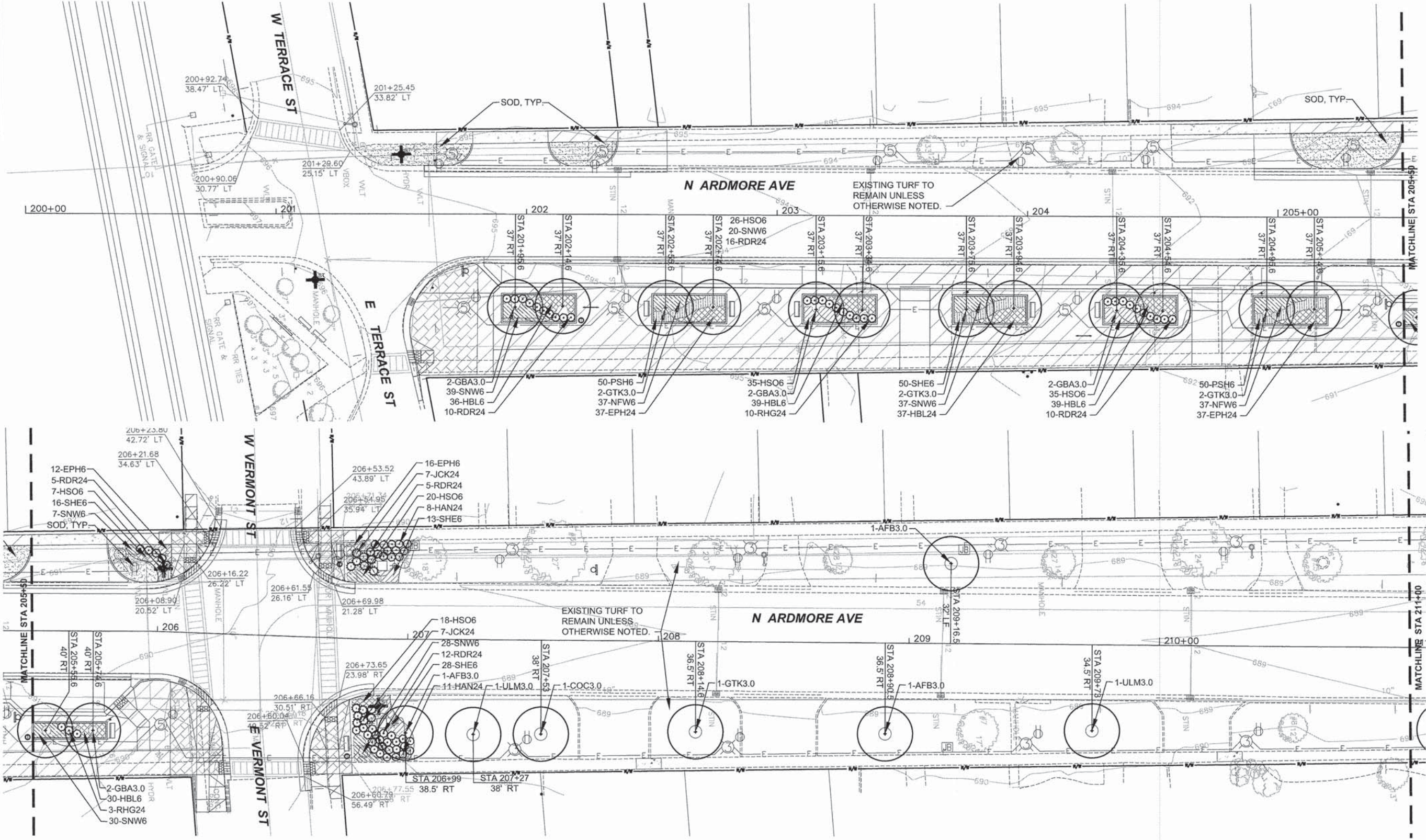
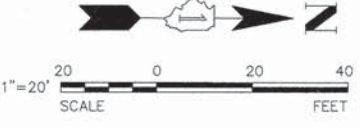
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PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -
PLOT DATE = #DATE#	CHECKED - MJR	REVISED -
	DATE - 04-07-15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNAGE PLAN

SCALE: 1" = 20' SHEET NO. 3 OF 3 SHEETS STA. 222+00.00 TO STA. 230+53.00

F.A.U. RTE. 2651	SECTION 10-00091-00-LS	COUNTY DUPAGE	TOTAL SHEETS 53	SHEET NO. 28
CONTRACT NO. 61B07				ILLINOIS FED. AID PROJECT



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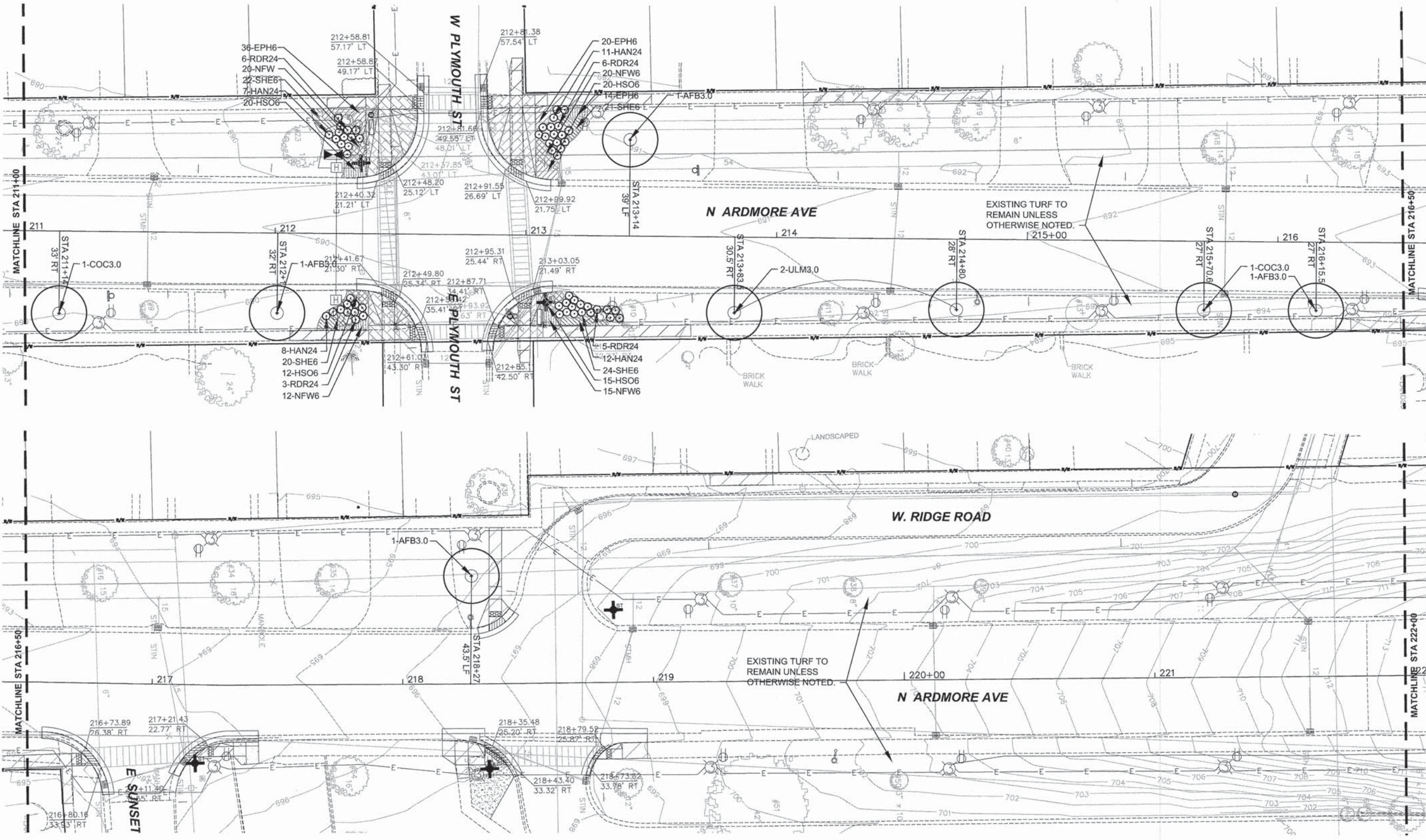
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DRAWN	SMM	REVISED
CHECKED	TCK	REVISED
DATE	04-07-15	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION





PLANTING PLAN
 SCALE: 1" = 20'
 SHEET NO. 1 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	29

CONTRACT 61B07
 ILLINOIS FED. AID PROJECT



PLANTING LEGEND

-  SHADE TREE, TYPICAL. SEE DETAIL FOR INSTALLATION.
-  SHRUB, TYPICAL. SEE DETAIL FOR INSTALLATION.
-  PERENNIAL GROUNDCOVER AND ANNUAL, TYPICAL. SEE DETAIL FOR INSTALLATION.
-  SOD

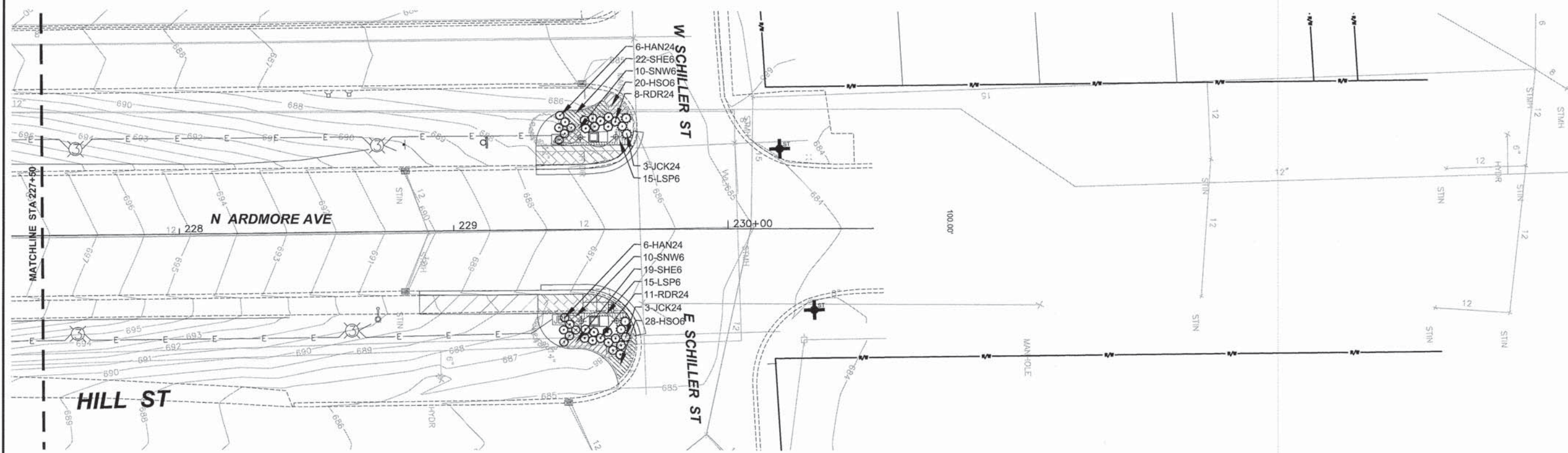
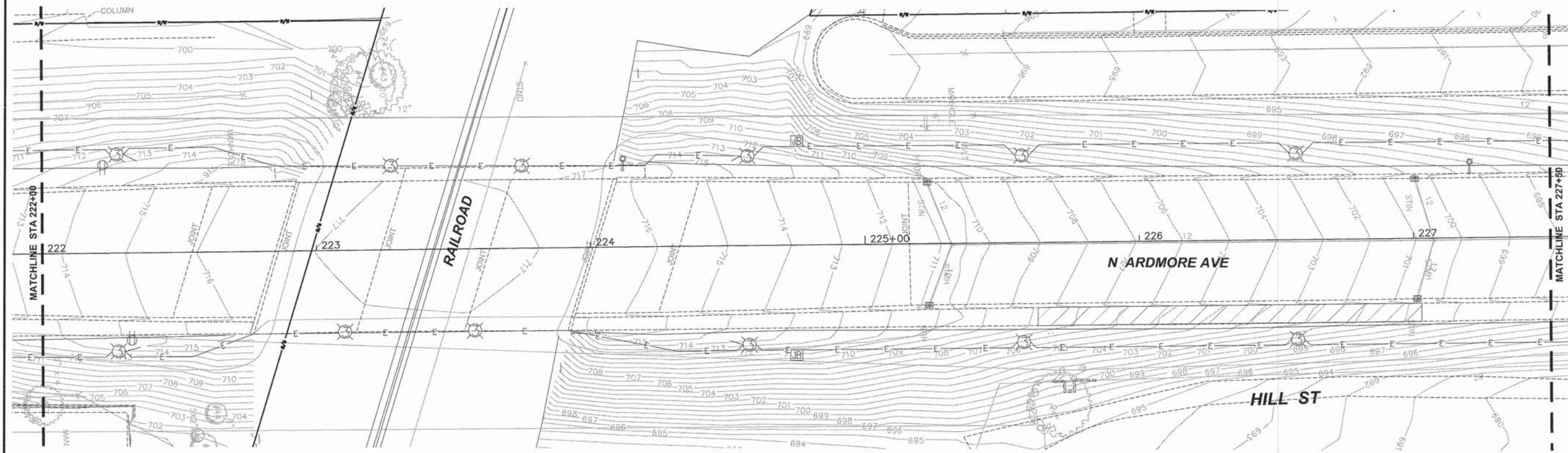
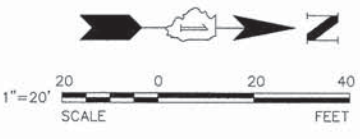
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DRAWN — SMM	REVISED
CHECKED — TCK	REVISED
DATE — 04-07-15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANTING PLAN
SCALE: 1" = 20' SHEET NO. 2 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	30
CONTRACT 61B07				
ILLINOIS FED. AID PROJECT				



- PLANTING LEGEND**
- SHADE TREE, TYPICAL. SEE DETAIL FOR INSTALLATION.
 - SHRUB, TYPICAL. SEE DETAIL FOR INSTALLATION.
 - PERENNIAL GROUNDCOVER AND ANNUAL, TYPICAL. SEE DETAIL FOR INSTALLATION.
 - SOD

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DATE — 04-07-15	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLANTING PLAN
 SCALE: 1" = 20' SHEET NO. 3 OF 3 SHEETS

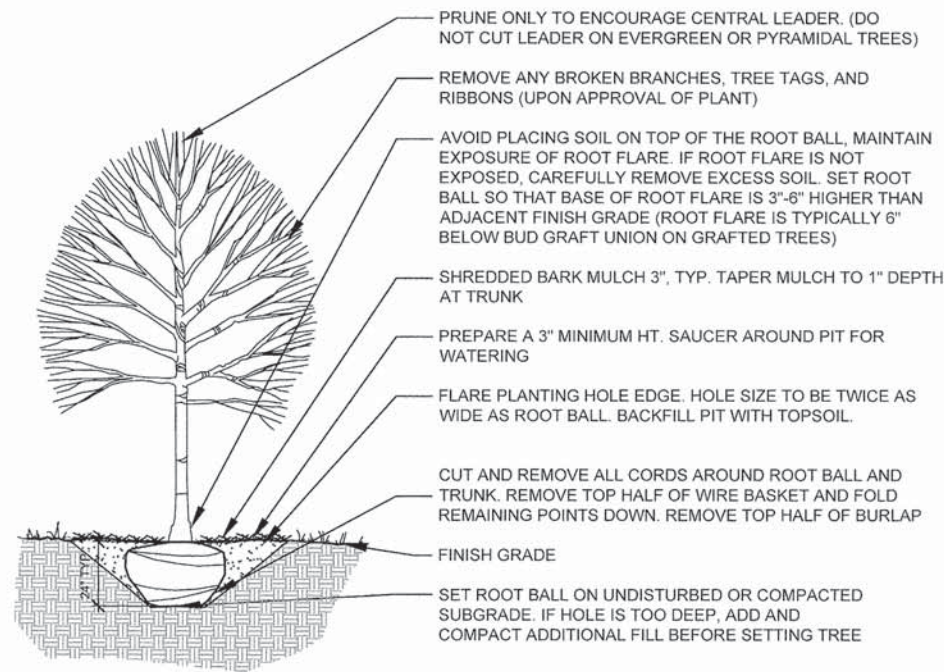
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	31
CONTRACT 61B07				
ILLINOIS FED. AID PROJECT				

PLANTING MATERIAL LIST

Code	Botanical Name	Common Name	Size	Qty
Shade Trees				
AFB3.0	Acer x freemanii 'Autumn Blaze'	Autumn Blaze Freeman Maple	3" C	7
COC3.0	Celtis occidentalis "	Common Hackberry	3" C	3
GBA3.0	Ginkgo biloba 'Autumn Gold'	Autumn Gold Ginkgo	3" C	8
GTK3.0	Gleditsia triacanthos var. inermis 'Skyline'	Skyline Thornless Honeylocust	3" C	7
ULM3.0	Ulmus japonica x wilsoniana 'Morton'	Accolade™ Elm	3" C	4
Deciduous Shrubs				
HAN24	Hydrangea arbor. 'Annabelle'	Annabelle Smooth Hydrangea	24" HT	69
RHG24	Rhus aromatica 'Gro-Low'	Gro-Low Fragrant Sumac	24" HT	13
RDR24	Rosa 'Radtko'	Double Red Knockout Rose	24" HT	81
Evergreen Shrubs				
JCK24	Juniperus chinensis 'Kallay Compact'	Kallay Compact Chinese Juniper	24" HT	20
Groundcovers				
LSP6	Liriope spicata "	Creeping Lilyturf	1 GAL	30
Perennials				
EPH6	Echinacea purpurea 'Kim's Knee High'	Kim's Knee High Purple Coneflower	1 GAL	172
H5O6	Hemerocallis 'Stella de Oro'	Stella de Oro Dwarf Daylily	1 GAL	230
HBL6	Heuchera 'Blackout'	Blackout Coral Bells	1 GAL	181
NFW6	Nepeta x faassenii 'Walker's Low'	Walker's Low Catmint	1 GAL	141
PSH6	Panicum virgatum 'Shenandoah'	Shenandoah Switch Grass	1 GAL	100
SNW6	Salvia nemorosa 'Wesuwe'	Wesuwe Salvia	1 GAL	161
SHE6	Sporobolus heterolepis "	Prairie Dropseed	1 GAL	235

ALL PERENNIALS TO BE PAID FOR AS PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT (1 UNIT = 100 PLANTS)

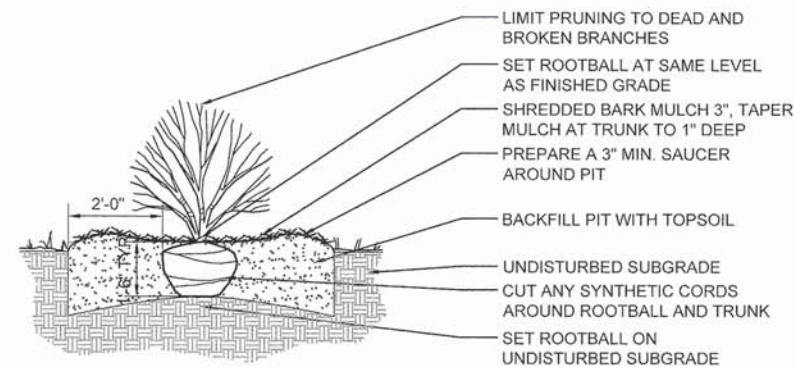
TOTAL PERENNIALS: 1220
TOTAL UNITS: 12.20



1 DECIDUOUS TREE PLANTING

SCALE: 1/2" = 1'-0"

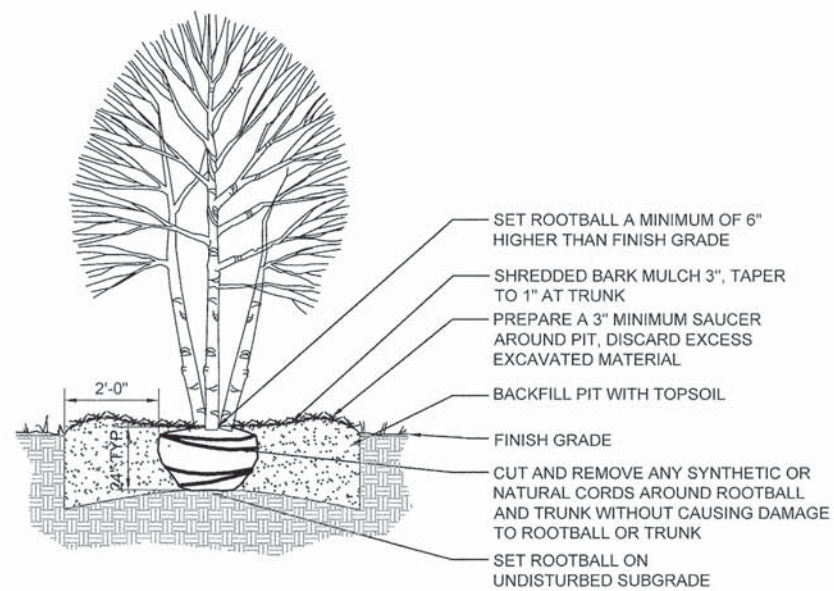
D-TREE-DEC



3 SHRUB PLANTING

SCALE: 1/2" = 1'-0"

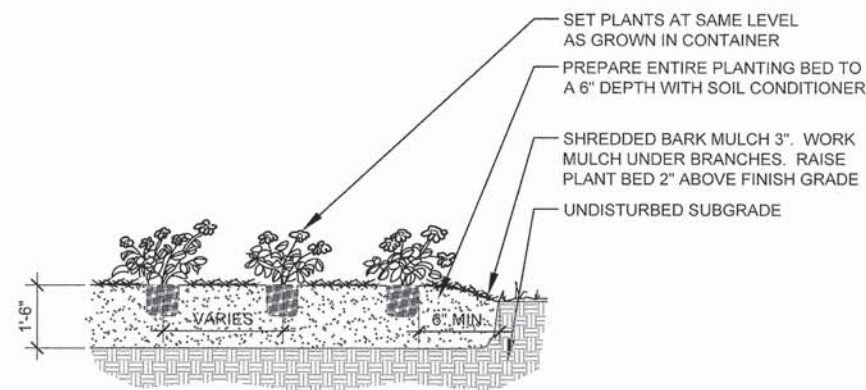
D-SHRUB



2 ORNAMENTAL TREE PLANTING

SCALE: 1/2" = 1'-0"

D-ORNAMENTAL TREE



4 PERENNIAL PLANTING

SCALE: 1/2" = 1'-0"

D-ANNUAL-PERENNIAL

PLANTING NOTES

- SOD TO LIMITS OF DISTURBANCE FOR RESTORATION ONLY. CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF ANY UNAUTHORIZED DISRUPTION OUTSIDE OF DESIGNATED CONSTRUCTION AREA.
- CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL IN ALL DISTURBED AREAS. ALL DISTURBED AREAS ARE TO BE PROTECTED WITHIN 24 HOURS. DO NOT DISTURB MORE AREA THAN CAN BE COMPLETED AND PROTECTED WITHIN 24 HOURS.
- PLANTS AND OTHER MATERIALS ARE QUANTIFIED AND SUMMARIZED FOR THE CONVENIENCE OF THE DEPARTMENT AND LOCAL AGENCY. CONFIRM AND INSTALL SUFFICIENT QUANTITIES TO COMPLETE THE WORK AS DRAWN AND SPECIFIED.
- REFER TO THE SPECIAL PROVISIONS FOR ADDITIONAL CONDITIONS, STANDARDS AND NOTES.
- PLACE 6" OF TOPSOIL FOR ALL SOD AREAS, TO BE PAID FOR AS TOPSOIL FURNISH AND PLACE, 6".
- PROVIDE 18" OF TOPSOIL FOR ALL PLANTING AREAS WITHOUT ANY TREE PLANTINGS, TO BE PAID FOR AS TOPSOIL FURNISH AND PLACE, 18".
- PROVIDE 24" OF TOPSOIL FOR ALL RAISED PLANTING BEDS WITHIN PLANTER CURB AREAS, TO BE PAID FOR AS TOPSOIL FURNISH AND PLACE, 24".



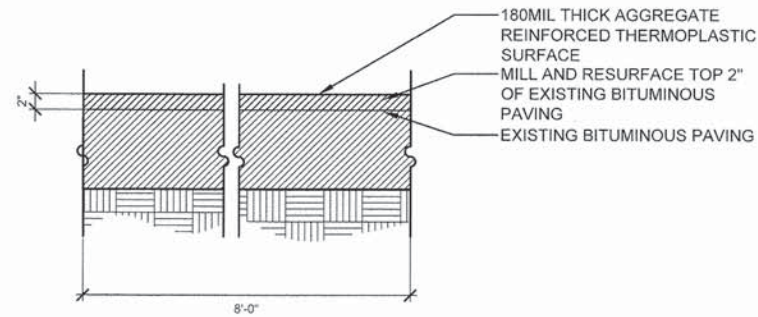
DESIGNED -- TCK	REVISED
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DATE -- 04-07-15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

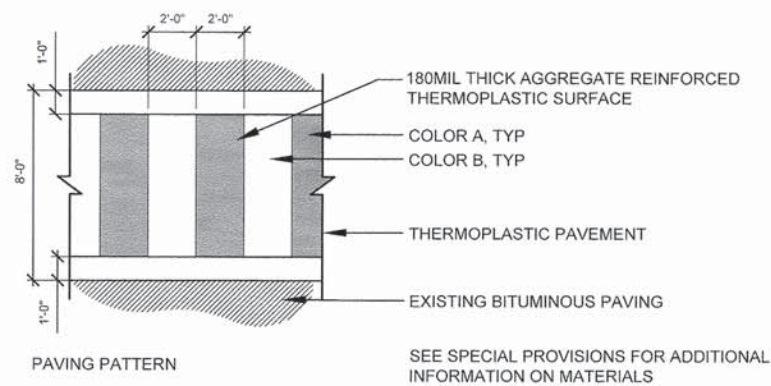
PLANTING MATERIALS, NOTES AND DETAILS

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

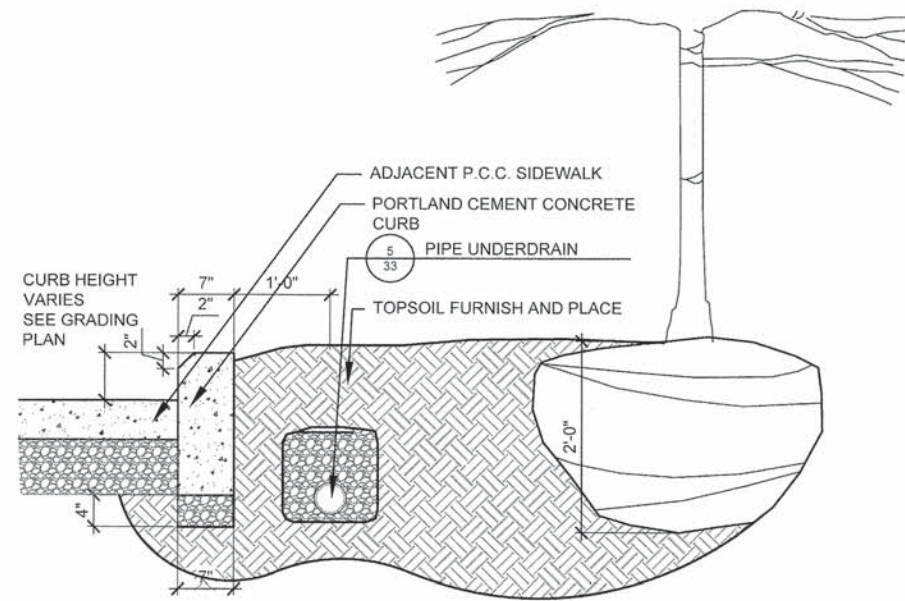
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT 61B07				
ILLINOIS FED. AID PROJECT				



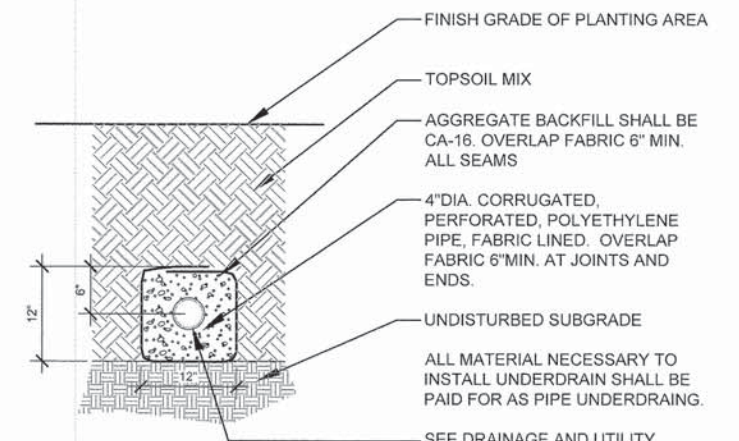
1 STAMPED ASPHALT CROSSWALK
Scale: 1" = 1'-0"



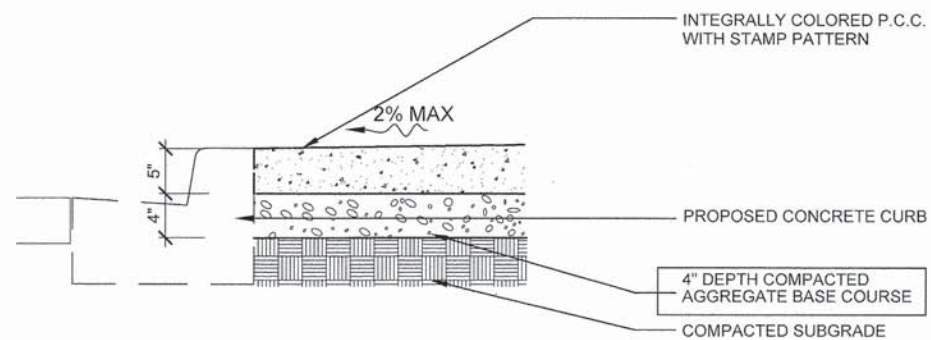
2 STAMPED ASPHALT CROSSWALK PATTERN
SCALE: 1/4" = 1'-0"



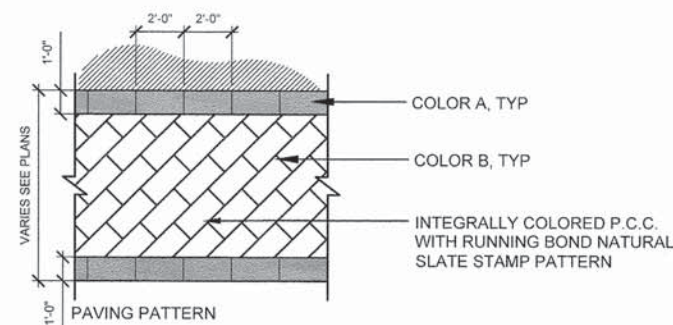
4 PLANTER CURB
1" = 1'-0"

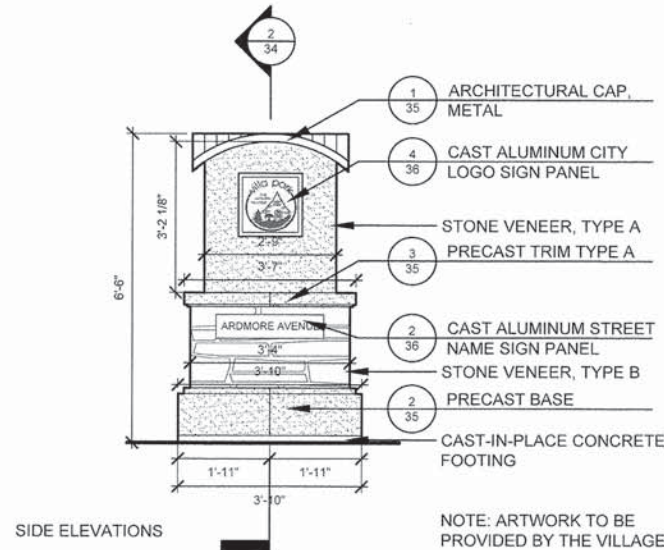


5 UNDERDRAIN
1" = 1'-0"

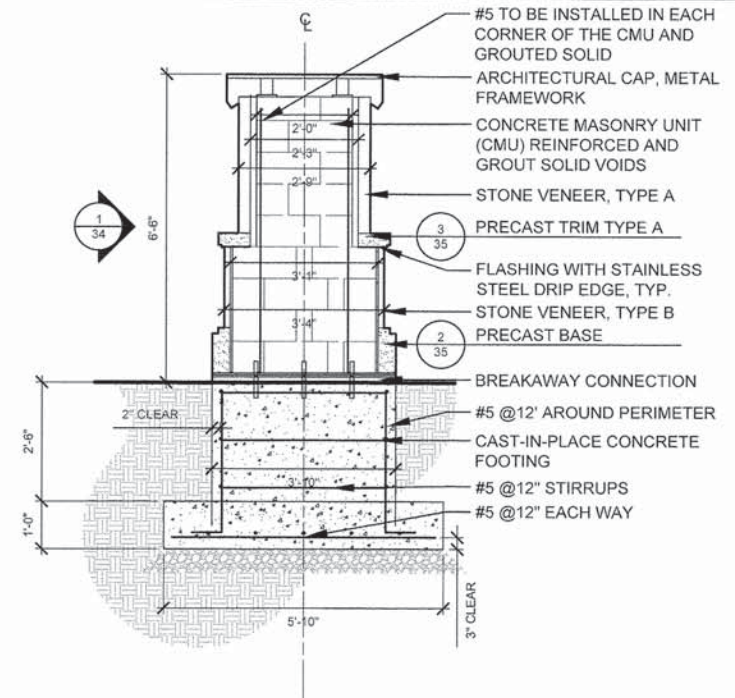


3 STAMPED COLORED P.C.C. SIDEWALK, 5 INCH
SCALE: 1/4" = 1'-0"



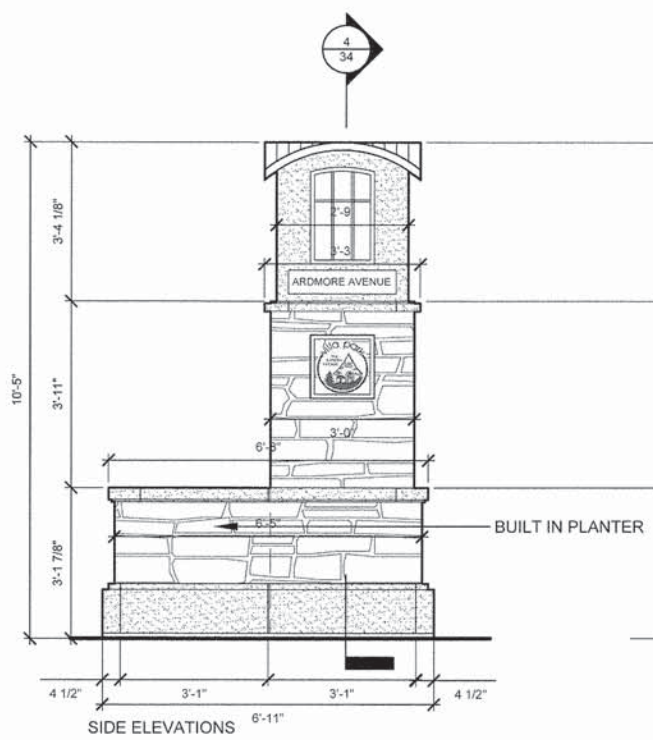


1 MASONRY COLUMN, SMALL - ELEVATION
Scale: 1/2" = 1'-0"

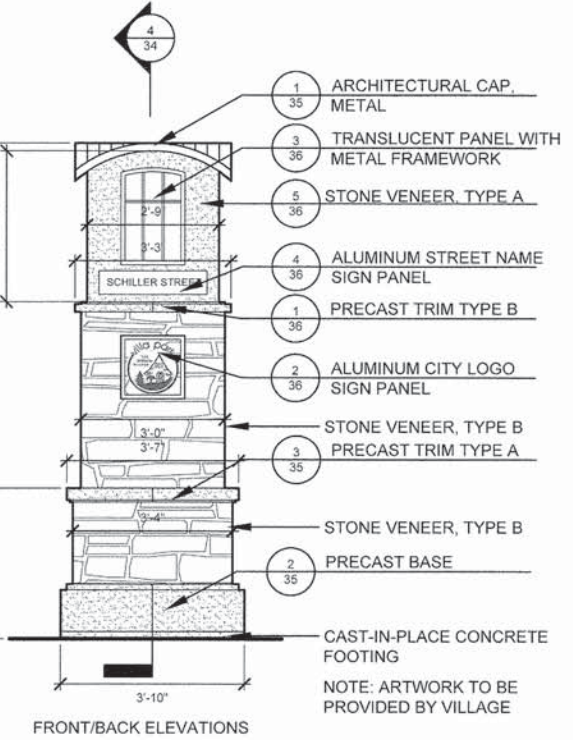


2 MASONRY COLUMN, SMALL - SECTION
Scale: 1/2" = 1'-0"

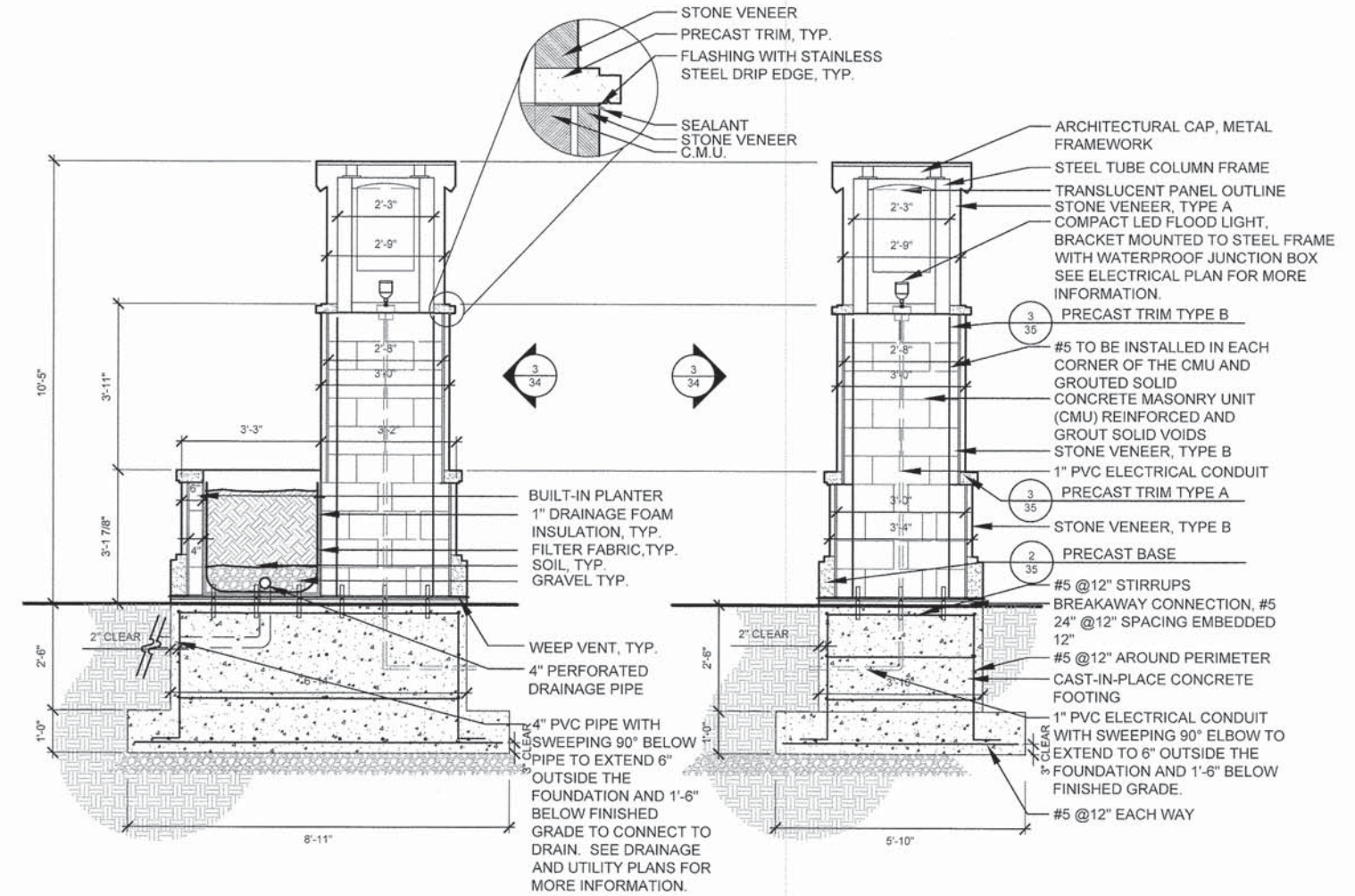
- COLUMN STRUCTURAL NOTES**
1. MINIMUM CONCRETE STRENGTH TO BE IDOT CLASS SI, FC=3500 PSI WITH 5% TO 8% AIR ENTRAINMENT.
 2. ALL REINFORCED STEEL TO BE ASTM A706, GR-60 EPOXY COATED. MINIMUM BAR LAPS: #5 (3'-3"), #6 (3'-10"), #7 (5'-2")
 3. ALL CONSTRUCTION TO CONFORM TO LOCAL CODES AND ADOPTED ORDINANCES, AND IDOT STANDARDS SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
 4. EXCAVATION CONTRACTOR TO NOTIFY "JULIE" (1-800-892-0124) 48 HRS. PRIOR TO EXCAVATION WORK.
 5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY DIMENSIONS, ELEVATIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENT PRIOR TO BIDDING, ORDERING OF MATERIALS AND/OR STARTING CONSTRUCTION. SUCH VARIATION WILL NOT BE CAUSE FOR ADDITIONAL COMPENSATION OR A CHANGE IN THE SCOPE OF WORK.
 6. ALL UTILITY LOCATIONS SHALL BE VERIFIED BY THE TRADE DOING THE WORK AND ANY DISCREPANCIES OF LOCATIONS BE REPORTED TO THE ENGINEER BEFORE CONSTRUCTION BEGINS.
 7. ANY DISCREPANCIES, CONFLICTS, OR AMBIGUITIES ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. FAILURE TO DO SO WILL NOT RELIEVE CONTRACTOR OF ADDITIONAL COSTS REGARDING THE ABOVE ITEMS.
 8. ALL EXPOSED CONCRETE EDGES SHALL HAVE A 1" CHAMFER, EXCEPT WHERE SHOWN OTHERWISE. CHAMFER VERTICAL EDGES SHALL BE CONTINUED A MINIMUM OF ONE FOOT BELOW FINISHED GROUND LEVEL.
 9. ALL FOOTING MUST BE POURED ON UNDISTURBED SOIL WITH A MINIMUM SAFE BEARING CAPACITY OF 2000 PSF. CONTRACTOR TO HAVE THE SOIL BEARING CAPACITY FIELD VERIFIED BY A SOILS TECHNICIAN UNDER THE DIRECTION OF A GEOTECHNICAL ENGINEER LICENSED AS PROFESSIONAL ENGINEER BY THE STATE OF ILLINOIS. IF THE GEOTECHNICAL ENGINEER FINDS THE SOIL TO BE UNSUITABLE THE CONTRACTOR SHALL FOLLOW THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS TO ACHIEVE THE BEARING CAPACITY. IF THE BEARING CAPACITY CAN NOT BE ACHIEVED, THEN THE ENGINEER SHOULD BE NOTIFIED FOR REDESIGN OF FOOTING AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
 10. ALL ORGANIC AND/OR OTHER UNSUITABLE MATERIALS SHALL BE REMOVED FROM FOOTING AND BACKFILL AREAS, AND THEN BACKFILLED WITH ACCEPTABLE STRUCTURAL FILL, COMPACTED TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D1557.
 11. ANY AREAS OUTSIDE OF THE PROPOSED CONSTRUCTION, DISTURBED BY THE CONTRACTOR'S ACTIONS SHALL BE RESTORED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE, AT NO ADDITIONAL COST TO THE OWNER.
 12. THE FOUNDATION CONTRACTOR IS RESPONSIBLE FOR PROVIDING ANY TEMPORARY SHORING AND/OR EARTH RETENTION SYSTEMS THAT MAY BE REQUIRED. TEMPORARY SHORING AND EARTH RETENTION SYSTEMS SHALL BE DESIGNED AND DETAILED BY AN ILLINOIS LICENSED STRUCTURAL ENGINEER.
 13. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHOD OF CONSTRUCTION, SHORING, EARTH RETENTION, AND COFFERDAMS AS REQUIRED FOR STABILITY OF EXISTING AND PROPOSED CONSTRUCTION IS THE CONTRACTORS RESPONSIBILITY.
 14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.
 15. FOOTINGS SHALL NOT BE PLACED ON FROZEN GROUND.



3 MASONRY COLUMN, LARGE - ELEVATIONS
Scale: 1/2" = 1'-0"



4 MASONRY COLUMN, LARGE - SECTIONS
Scale: 1/2" = 1'-0"



4 MASONRY COLUMN, LARGE - SECTIONS
Scale: 1/2" = 1'-0"

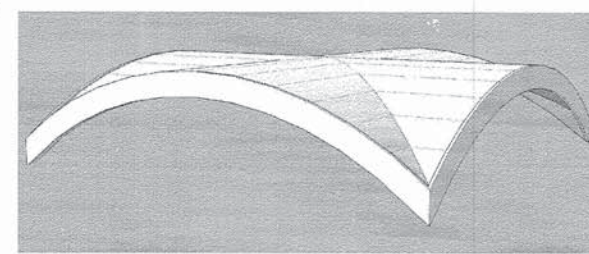
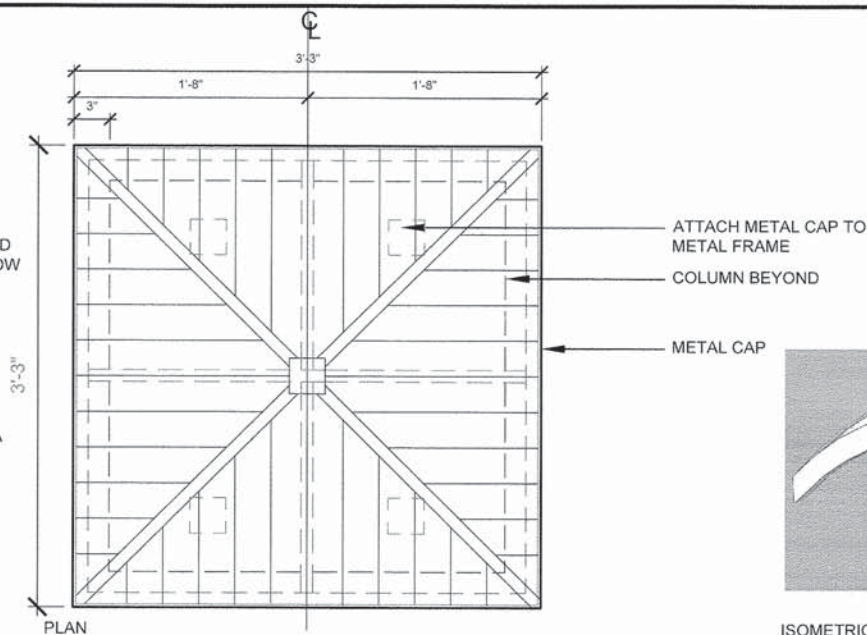
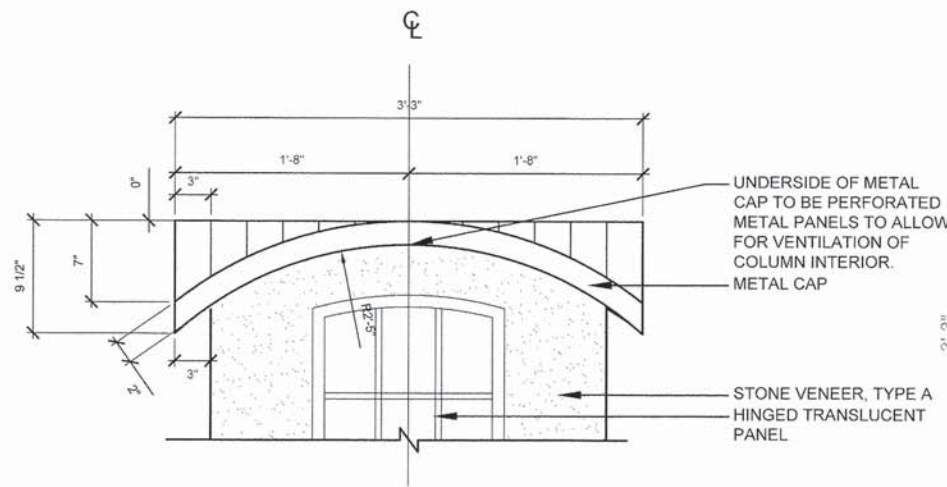
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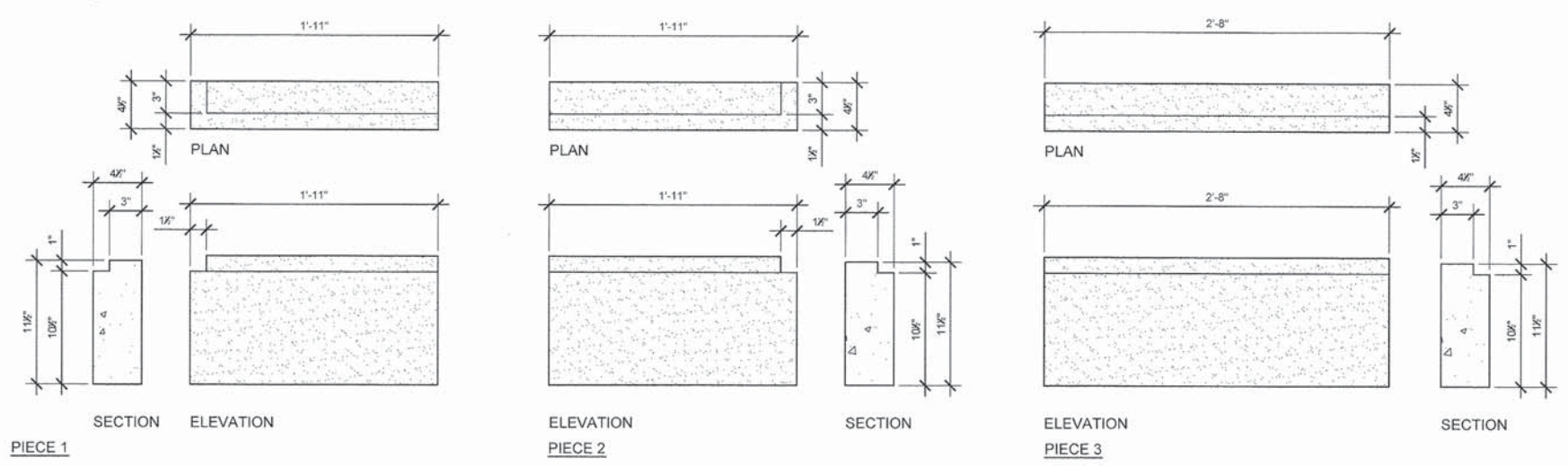
STREETSCAPE DETAILS
SCALE: 1" = 20' SHEET NO. 2 OF 5 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	34
CONTRACT 61B07				
ILLINOIS FED. AID PROJECT				

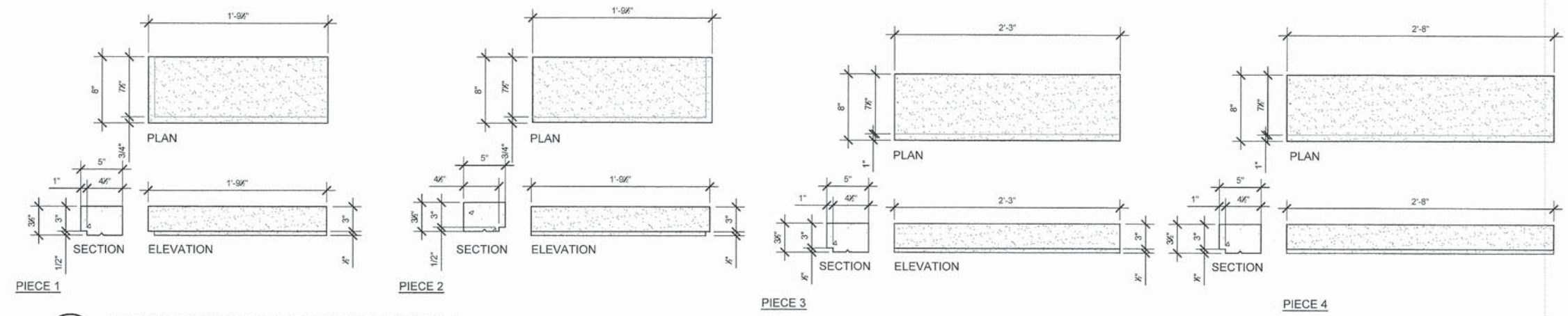


- ARCHITECTURAL CAP, METAL NOTES:
1. CONTRACTOR TO PROVIDE MOCKUP OF ARCHITECTURAL CAP, METAL, METAL FRAMEWORK, METHODS OF ATTACHMENT, AND VENTING MOCKUP (2'X4') USING ACTUAL MATERIALS TO ENGINEER AND VILLAGE FOR APPROVAL.
 2. FABRICATOR TO PROVIDE AND INSTALL ALL ELEMENTS FOR THE ARCHITECTURAL CAP. CONTRACTOR TO COORDINATE WITH FABRICATOR TO PROVIDE FOUNDATIONS AND ANCHOR BOLTS BASED ON FABRICATOR TEMPLATES FOR COLUMNS.
 3. CONTRACTOR TO SUBMIT SHOP DRAWINGS OF ALL METALWORK, FINISHES AND METHODS OF ATTACHMENT FOR APPROVAL PRIOR TO FABRICATION. DRAWINGS PROVIDED SHOW DESIGN INTENT; ALL ENGINEERING/SIZING FOR COLUMNS IS THE RESPONSIBILITY OF THE FABRICATOR AT THE TIME OF SUBMITTAL. STATE OF ILLINOIS STAMPED ENGINEERING DRAWINGS ARE REQUIRED. AVOID FIELD WELDING WHERE POSSIBLE. VERIFY GRADES AND VERTICAL DIMENSIONS TO ENSURE PERPENDICULAR CONNECTIONS BETWEEN MEMBERS.
 4. BOND AND GRIND ACCORDING TO N.E.C. ARTICLE 600 7 U.L. 48 STANDARDS
 5. ALL PERFORATED METAL PANELS ALLOW FOR AIR MOVEMENT AND HEAT EXCHANGE YET DISCOURAGE PEST INFILTRATION.
 6. ALL TRANSLUCENT PANELS TO APPROPRIATE THICKNESS.

ALL-ELEVATIONS
1 ARCHITECTURAL CAP, METAL
 SCALE: 1 1/2" = 1'-0"



2 PRECAST COLUMN BASE PIECES
 SCALE: 1 1/2" = 1'-0"



3 PRECAST TRIM PIECES-TYPE A
 SCALE: 1 1/2" = 1'-0"

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 Woodridge, IL 60517
 830.724.9900 phone
 830.724.9922 fax
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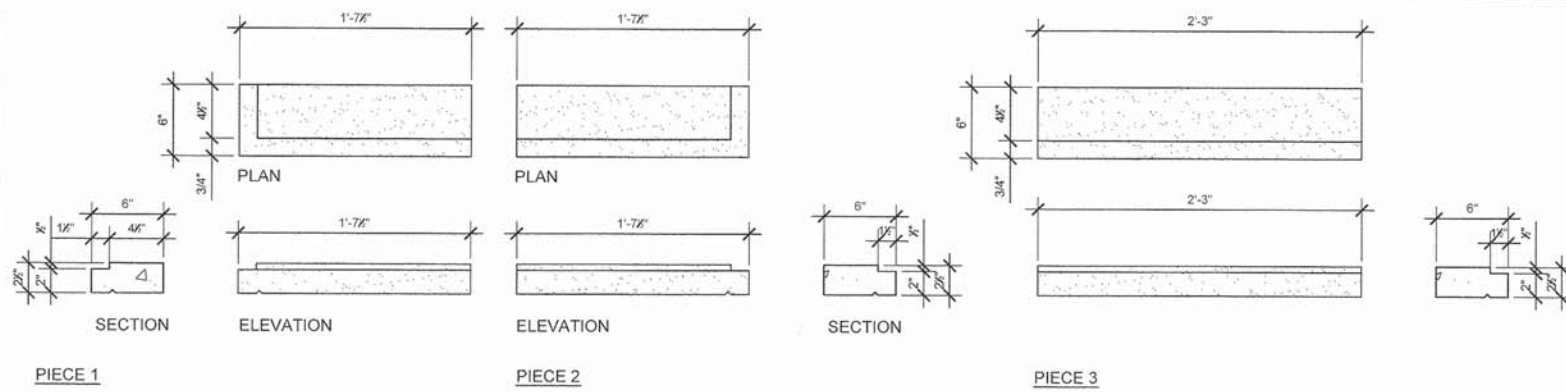
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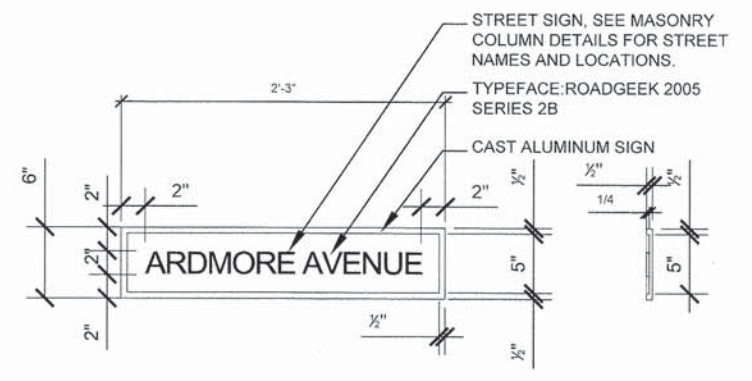
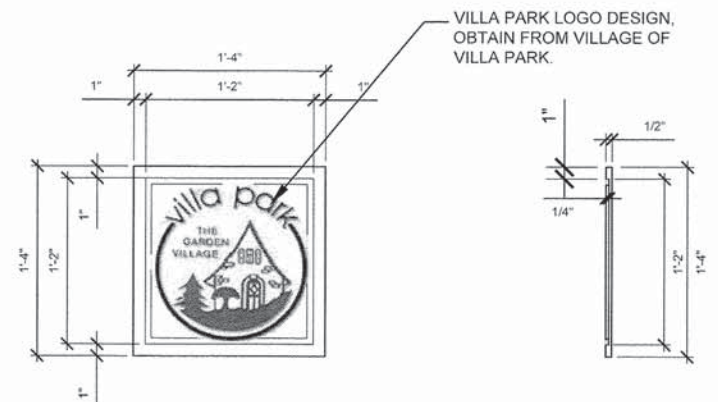
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STREETSCAPE DETAILS
 SCALE: 1" = 20' SHEET NO. 3 OF 5 SHEETS

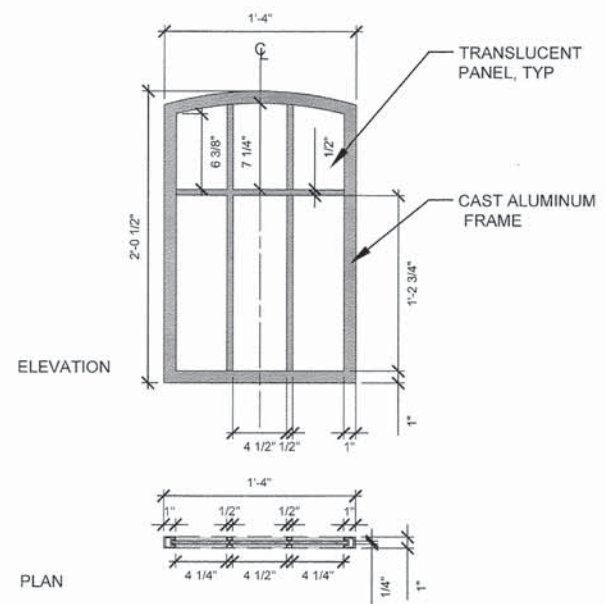
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	35
CONTRACT 61B07			ILLINOIS FED. AID PROJECT	



1 PRECAST TRIM PIECES-TYPE B
SCALE: 1 1/2" = 1'-0"

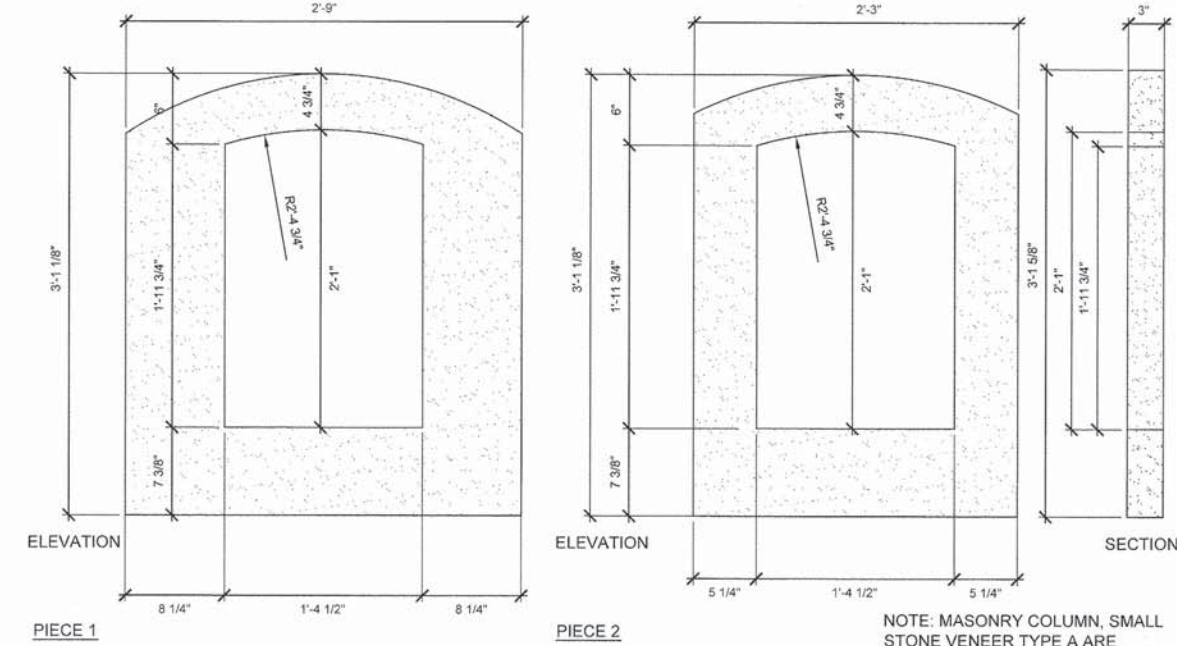


2 ALUMINUM CITY LOGO SIGN PANEL
SCALE: 1 1/2" = 1'-0"

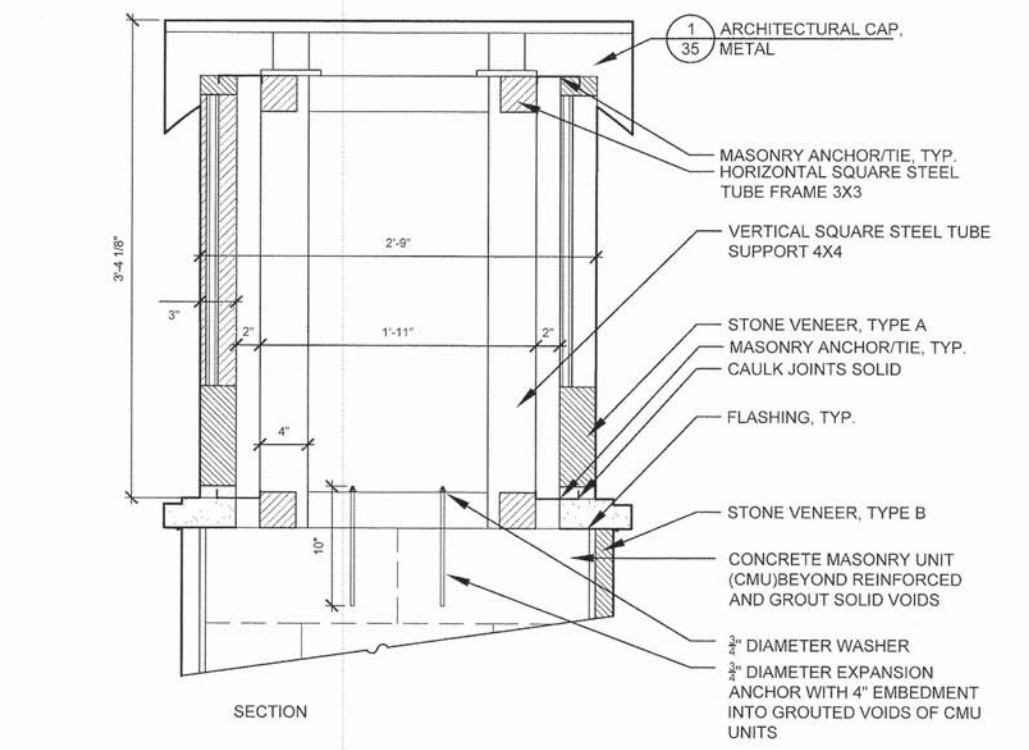
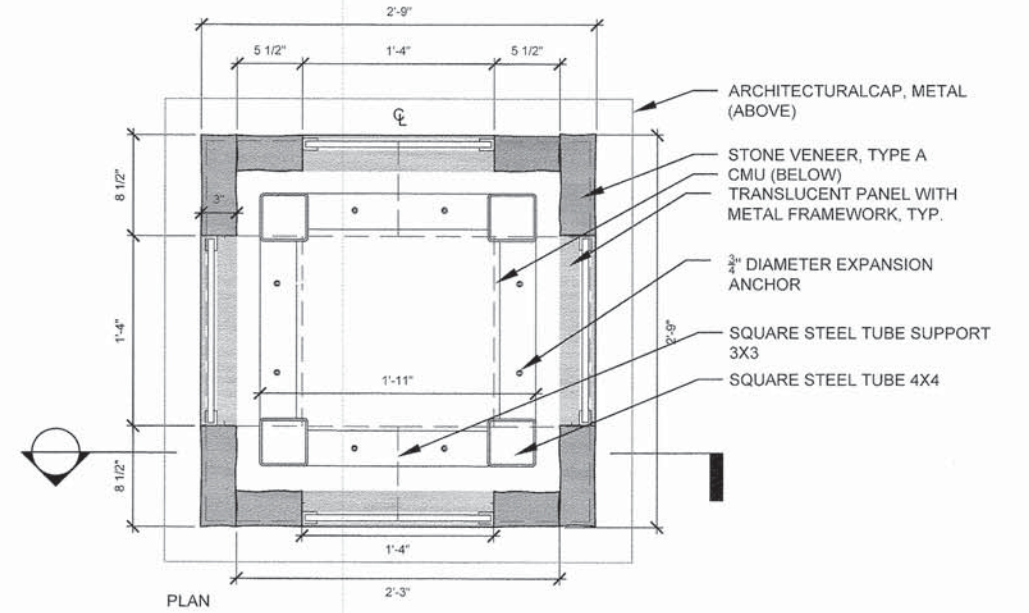


3 TRANSLUCENT PANEL WITH METAL FRAMEWORK
SCALE: 1 1/2" = 1'-0"

4 ALUMINUM STREET NAME SIGN PANEL
SCALE: 1 1/2" = 1'-0"



5 STONE VENEER, TYPE A PIECES
SCALE: 1 1/2" = 1'-0"



6 STONE VENEER
SCALE: 1 1/2" = 1'-0"

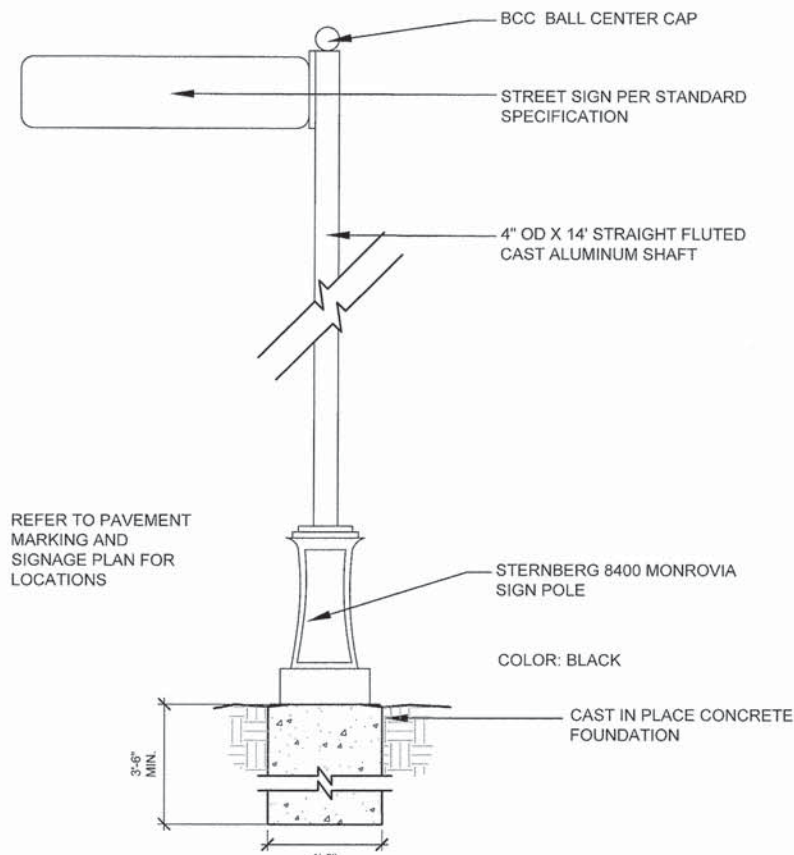


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DRAWN -- SMM	REVISED
CHECKED -- TCK	REVISED
DATE -- 04-07-15	REVISED

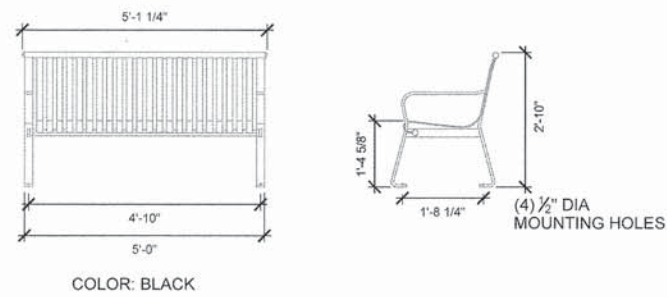
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STREETSCAPE DETAILS
SCALE: 1" = 20' SHEET NO. 4 OF 5 SHEETS

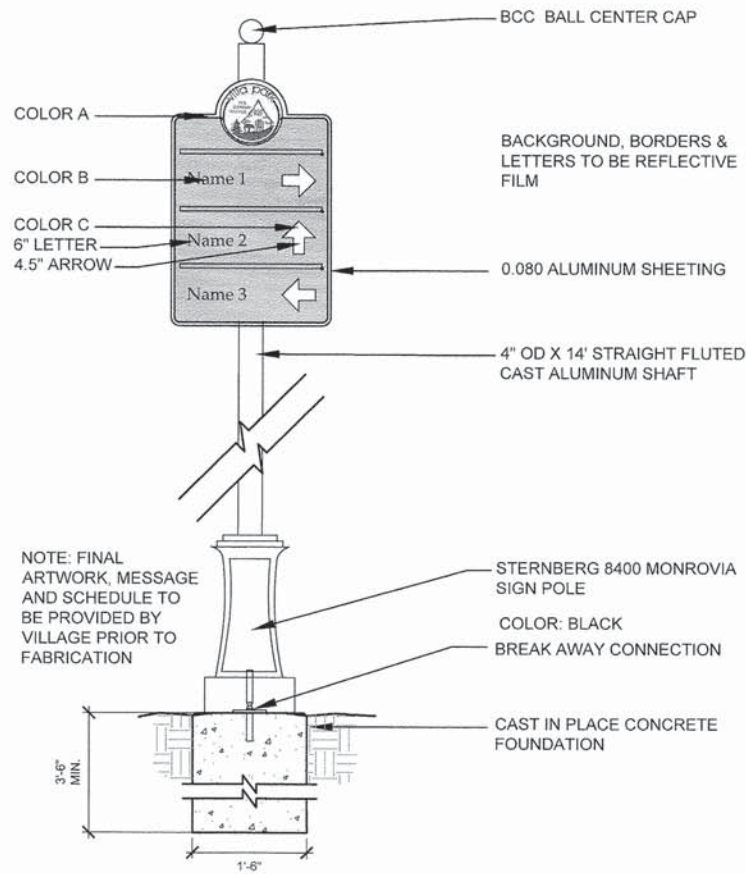
F.A.U. RTE. 2651	SECTION 10-00091-00-LS	COUNTY DUPAGE	TOTAL SHEETS 53	SHEET NO. 36
CONTRACT 61B07				
ILLINOIS FED. AID PROJECT				



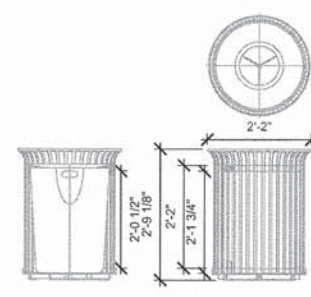
1 DECORATIVE SIGN POST
SCALE: NTS
d-decorative sign post



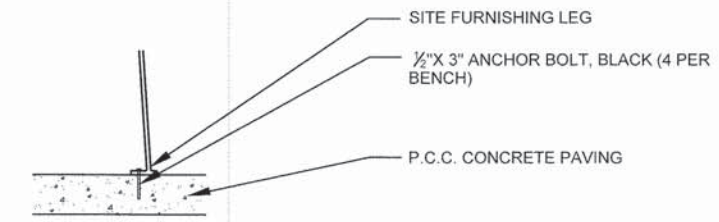
2 BENCHES
NTS
d-lum-bench



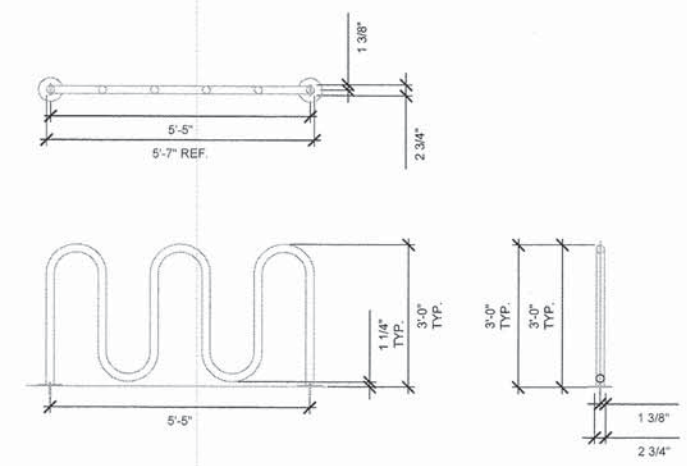
3 WAYFINDING SIGN
SCALE: 3/4" = 1'-0"
d-file sign



4 TRASH RECEPTACLES
NTS
d-kurb-cash
COLOR: BLACK



5 BENCH / TRASH / BICYCLE RACK
INSTALLATION
Scale: 1" = 1'-0"
d-site-furnishing-attach



6 BICYCLE RACKS
NTS
d-lum-bikarack
COLOR: BLACK

CONDUIT AND WIRE TABLE

- (A) UNIT DUCT, 3-1/C #4 & 1/C #4 GND WIRE, 600 VOLT (XLP-TYPE USE), 1 1/4" DIA POLYETHYLENE
- (B) UNIT DUCT, 3-1/C #6 & 1/C #6 GND WIRE, 600 VOLT (XLP-TYPE USE), 1 1/4" DIA POLYETHYLENE
- (C) UNIT DUCT, 2-1/C #2 & 1/C #4 GND WIRE, 600 VOLT (XLP-TYPE USE), 1 1/4" DIA UNDERGROUND COILABLE NONMETALLIC CONDUIT
- (D) UNIT DUCT, 3-1/C #2 & 1/C #4 GND WIRE, 600 VOLT (XLP-TYPE USE), 1 1/2" DIA UNDERGROUND COILABLE NONMETALLIC CONDUIT
- (E) UNIT DUCT, 5-1/C #2 & 1/C #4 GND WIRE, 600 VOLT (XLP-TYPE USE), 2" DIA UNDERGROUND COILABLE NONMETALLIC CONDUIT
- (F) UNIT DUCT, 6-1/C #2 & 1/C #4 GND WIRE, 600 VOLT (XLP-TYPE USE), 2" DIA UNDERGROUND COILABLE NONMETALLIC CONDUIT
- (G) UNIT DUCT, 8-1/C #2 & 1/C #4 GND WIRE, 600 VOLT (XLP-TYPE USE), 2 1/2" DIA UNDERGROUND COILABLE NONMETALLIC CONDUIT
- (H) UNIT DUCT, 2-1/C #10 & 1/C #10 GND WIRE, 600 VOLT (XLP-TYPE USE), 3/4" DIA UNDERGROUND COILABLE NONMETALLIC CONDUIT
- (I) 3-1/C #4 & 1/C #4 GND WIRE, 600 VOLT (XLP-TYPE USE), IN EXISTING CONDUIT
- (J) EMPTY CONDUIT WITH PULL STRING (FOR FUTURE WORK), 1 1/2" DIA UNDERGROUND COILABLE NONMETALLIC CONDUIT

ELECTRICAL SYMBOLS LEGEND

- PROPOSED LIGHTING UNIT, 14'-9" HEIGHT (12'-0" MOUNTING HEIGHT) 66 WATT LED LUMINAIRE, TYPE III, 120V, WITH DUPLEX RECEPTACLE (SEE SHEET 43 FOR LIGHT POLE DETAILS)
- PROPOSED LIGHTING UNIT, 14'-9" HEIGHT (12'-0" MOUNTING HEIGHT) 66 WATT LED LUMINAIRE, TYPE V 120V, WITH DUPLEX RECEPTACLE (SEE SHEET 43 FOR LIGHT POLE DETAILS)
- PROPOSED DUPLEX RECEPTACLE MOUNTED ON LIGHT POLE, 120V TO BE CONNECTED (SEE SHEET 43 FOR LIGHT POLE DETAILS)
- LANDSCAPING UPLIGHT (SEE PLANTING PLAN SHEETS FOR DETAILS)
- COLUMN INTERNAL LIGHTING UNIT (SEE PLANTING PLAN SHEETS FOR DETAILS)
- PROPOSED CONDUIT AND WIRE (SEE TABLE FOR DETAILS)
- PROPOSED CONDUIT AND WIRE IN EXISTING CONDUIT EMBEDDED IN STRUCTURE
- PROPOSED RIGID GALVANIZED STEEL CONDUIT SLEEVE (SIZE NOTED IN PLAN)
- PROPOSED STREET LIGHT CONTROLLER AND CABINET WITH FOUNDATION
- PROPOSED ELECTRICAL HANDHOLE
- PROPOSED ELECTRICAL JUNCTION BOX
- EXISTING LIGHTING UNIT

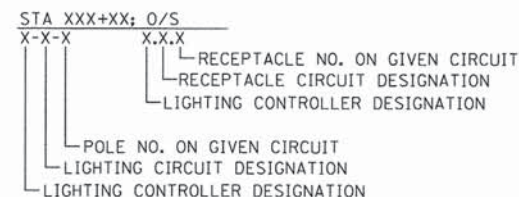
LIGHTING AND ELECTRICAL GENERAL NOTES

1. LOCATION OF LIGHTING CONDUIT, DUCT HANDHOLES AND APPURTENANCES ARE SHOWN DIAGRAMMATICALLY. THE ACTUAL LOCATION IN THE FIELD MUST MEET THE APPROVAL OF THE ENGINEER.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES FOR EXAMINATION AND CONFIRMATION WITH THE ENGINEER. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO AUGURING FOR LIGHT POLE FOUNDATIONS. THE EXACT LOCATIONS OF ALL ITEMS SHALL BE CONFIRMED WITH THE ENGINEER PRIOR TO STARTING WORK.
3. PRIOR TO INSTALLATION OF THE NEW UNIT DUCT, CONDUITS, JUNCTION BOXES, LIGHT STANDARD FOUNDATIONS AND APPURTENANCES, THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION OF EXISTING CONDUITS, CABLE AND UNDERGROUND UTILITIES. THE CONTRACTOR SHALL CALL J.U.L.I.E. (1-800-892-0123 OR 811) TO AID IN THIS TASK.
4. NO MATERIAL OR EQUIPMENT SHALL BE DELIVERED TO THE JOB SITE WITHOUT PRIOR INSPECTION AND APPROVAL BY THE ENGINEER. ANY MATERIAL AND EQUIPMENT NOT APPROVED BY THE ENGINEER MUST BE REMOVED FROM THE JOB SITE AT THE CONTRACTOR'S EXPENSE.
5. ALL ELECTRICAL SYSTEMS, EQUIPMENT AND APPURTENANCES SHALL BE PROPERLY GROUNDED IN STRICT CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE.
6. GROUNDING OF POLE AND CONTROLLER INCLUDING GROUND ROD, CONDUCTOR AND LUGS INCLUDING EXOTHERMIC WELD TO GROUND ROD SHALL BE INCLUDED IN THE COST OF THE PAY ITEM FOR WHICH IT IS INSTALLED.
7. THE NEW ELECTRICAL INSTALLATION AND MATERIALS MUST MEET REQUIREMENTS OF STANDARDS BY THE FOLLOWING ORGANIZATIONS:
 - ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT)
 - NATIONAL ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)
 - ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IES)
 - AMERICAN ASSOCIATION OF TRANSPORTATION OFFICIALS (AATO)
 - U.S. DEPARTMENT OF TRANSPORTATION (USDOT)
 - UNDERWRITERS LABORATORIES (UL)
 - AMERICAN STANDARD INSTITUTE (ASI)
 - INSULATED POWER AND CABLE ENGINEERS ASSOCIATION (IPCEA)
 - NATIONAL ELECTRICAL SAFETY CODE (NESC)
 - NATIONAL ELECTRICAL CODE 2011
 - AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO)
 - AMERICAN NATIONAL STANDARD PRACTICE FOR ROADWAY LIGHTING (ANSI/IESNA RP-8)
8. ALL LIGHT POLES SHALL BE FURNISHED WITH THE DUPLEX RECEPTACLE INSTALLED BY THE MANUFACTURER. ONLY DUPLEX RECEPTACLES ON THE LIGHT POLES SHOWN IN THE PLAN SHALL BE CONNECTED TO THE ELECTRICAL SYSTEM.
9. ALL SPLICING MUST BE IN POLE BASES OR JUNCTION BOXES ABOVE GRADE WITH WATERPROOF SEALANT AND HEAT SHRINKABLE PLASTIC CAPS.
10. PARALLEL ELECTRICAL CONDUIT RUNS SHALL BE PLACED IN A COMMON TRENCH IF POSSIBLE.
11. EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND BONDED TO EACH ELECTRICAL HANDHOLE THEY PASS THROUGH AS WELL AS EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT. BOXES SHALL BE EQUIPPED FOR THE GROUNDING WIRE TERMINATIONS WITHOUT DEGRADATION OF BOX RATING.
12. ELECTRICAL SERVICE SHALL BE 120/240V, SINGLE-PHASE, UNLESS OTHERWISE NOTED.
13. INSTALL CABLE IN CONTINUOUS UN CUT LENGTHS BETWEEN HANDHOLES AND LIGHT POLES.
14. ALL EMPTY UNIT DUCT RUNS SHALL INCLUDE A TRACER WIRE FOR LOCATING.
15. HANDHOLE COVER ON LIGHT POLES SHALL HAVE STEEL/STAINLESS SCREWS. NO NYLON SCREWS ALLOWED.
16. UNLESS OTHERWISE NOTED, ALL LIGHT POLES LOCATED ON THE SAME BLOCK SHALL HAVE A CONSTANT OFFSET FROM THE EDGE OF SIDEWALK.
17. ONLY EMPTY CONDUITS (FOR FUTURE WORK) AND CONDUITS WITH CONDUCTORS REQUIRED AT THE LIGHT POLE SHALL BE ROUTED INTO THE LIGHT POLE BASE.
18. CONDUITS TERMINATING FOR STUB OUTS AT THE LIGHT POLE BASE SHALL BE INSTALLED TO 36" BELOW GRADE AND CAPPED.

CONDUIT AND WIRE IDENTIFICATION



CIRCUIT DESIGNATION IDENTIFICATION



LIGHTING SCHEDULE OF QUANTITIES

PAY ITEM	DESCRIPTION	UNIT	TOTAL
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	995
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	47
81028260	UNDERGROUND CONDUIT, GALVANIZED STEEL, 6" DIA.	FOOT	47
81028740	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA.	FOOT	989
81400100	HANDHOLE	EACH	2
81500120	GULFBOX JUNCTION, COMPOSITE CONCRETE	EACH	8
81603010	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	336
81603047	UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	2539
81603070	UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	4556
81603081	UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	3019
81603085	UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	3585
81603156	UNIT DUCT, 600V, 5-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE	FOOT	61
81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	1188
81702220	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C 350MCM	FOOT	597
X8250500	LIGHTING UNIT COMPLETE, SPECIAL	EACH	61
X8250505	LIGHTING CONTROLLER, SPECIAL	EACH	1
X8360210	LIGHT POLE FOUNDATION, 24" DIAMETER, SPECIAL	FOOT	382
	UNIT DUCT, 600V, 6-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE	FOOT	746
	UNIT DUCT, 600V, 8-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 2 1/2" DIA. POLYETHYLENE	FOOT	61



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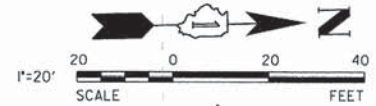
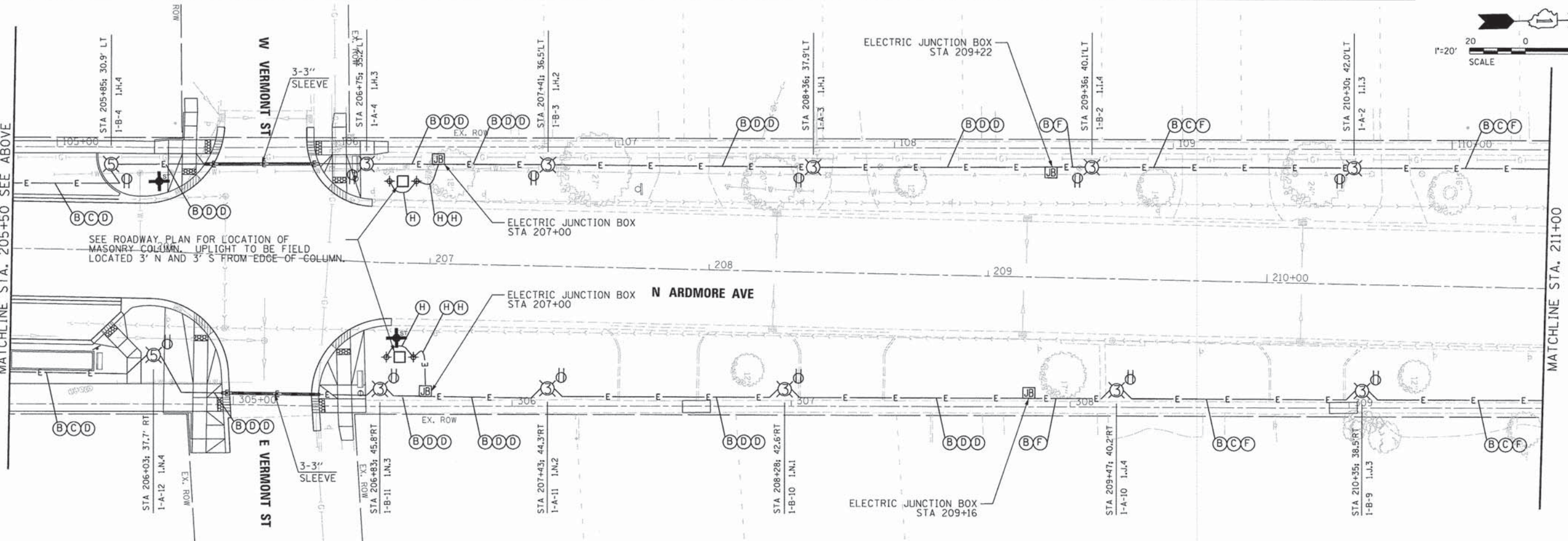
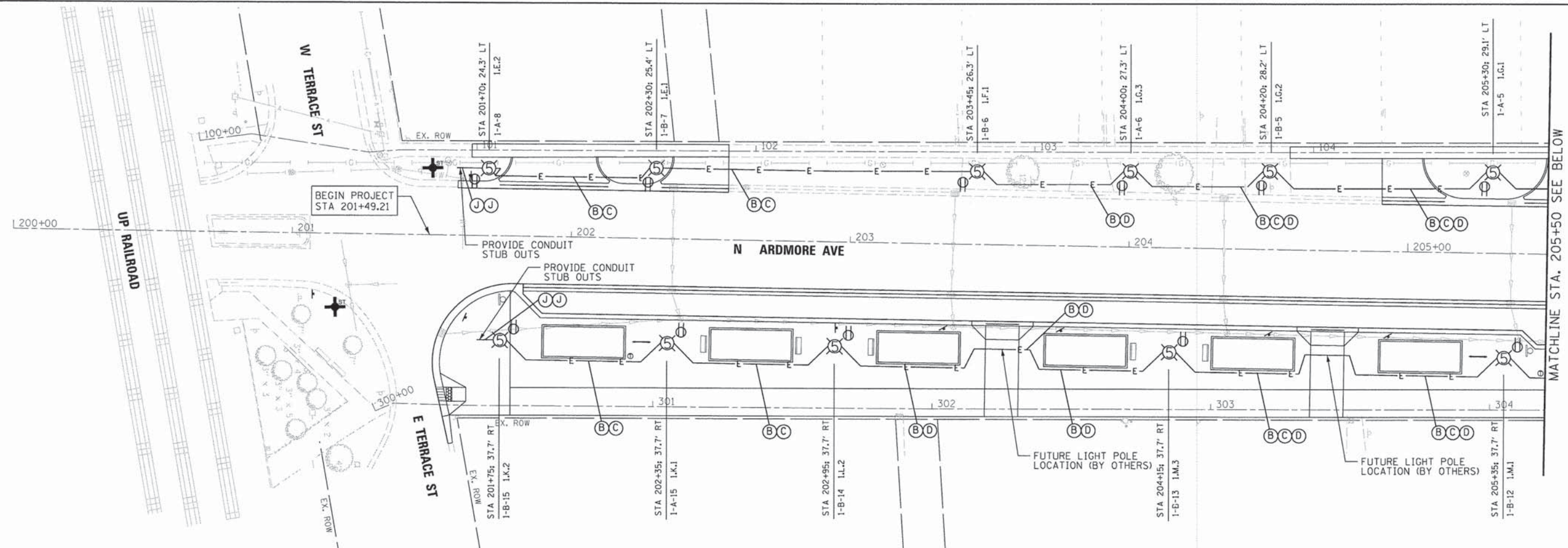
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**LIGHTING AND ELECTRICAL
GENERAL NOTES**

SCALE: 1" = 80' SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	38
CONTRACT NO. 61B07				
ILLINOIS FED. AID PROJECT				



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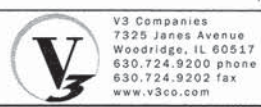
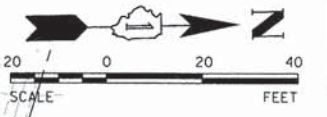
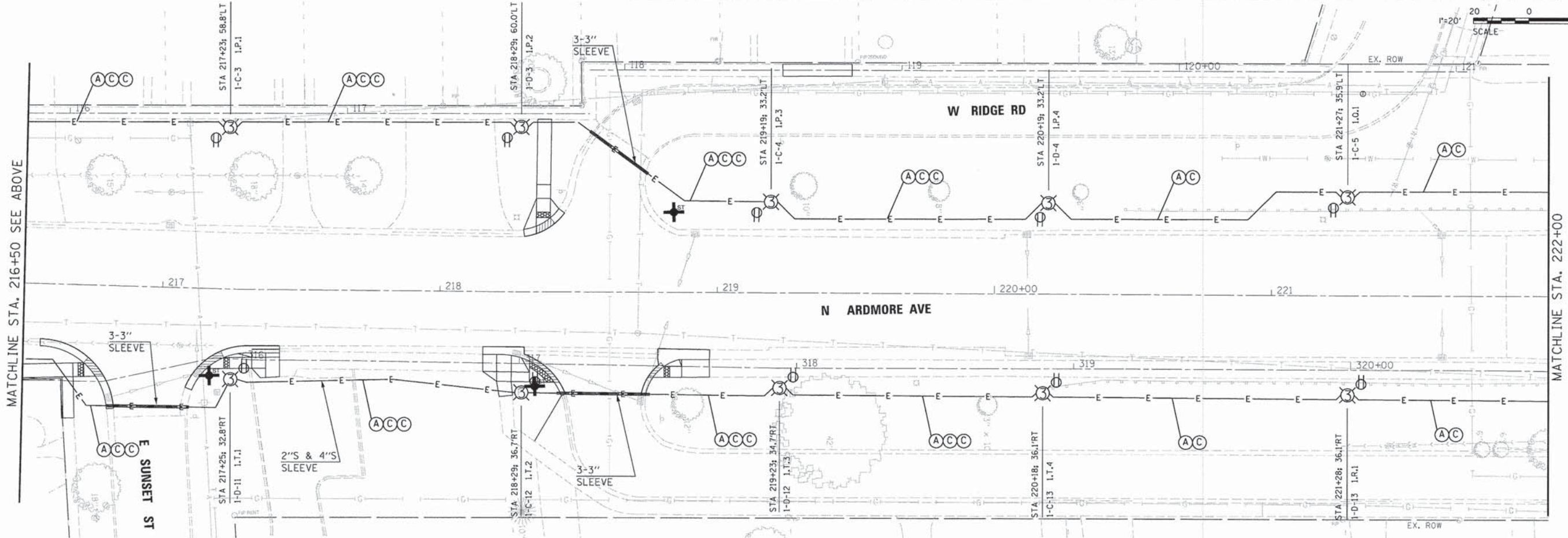
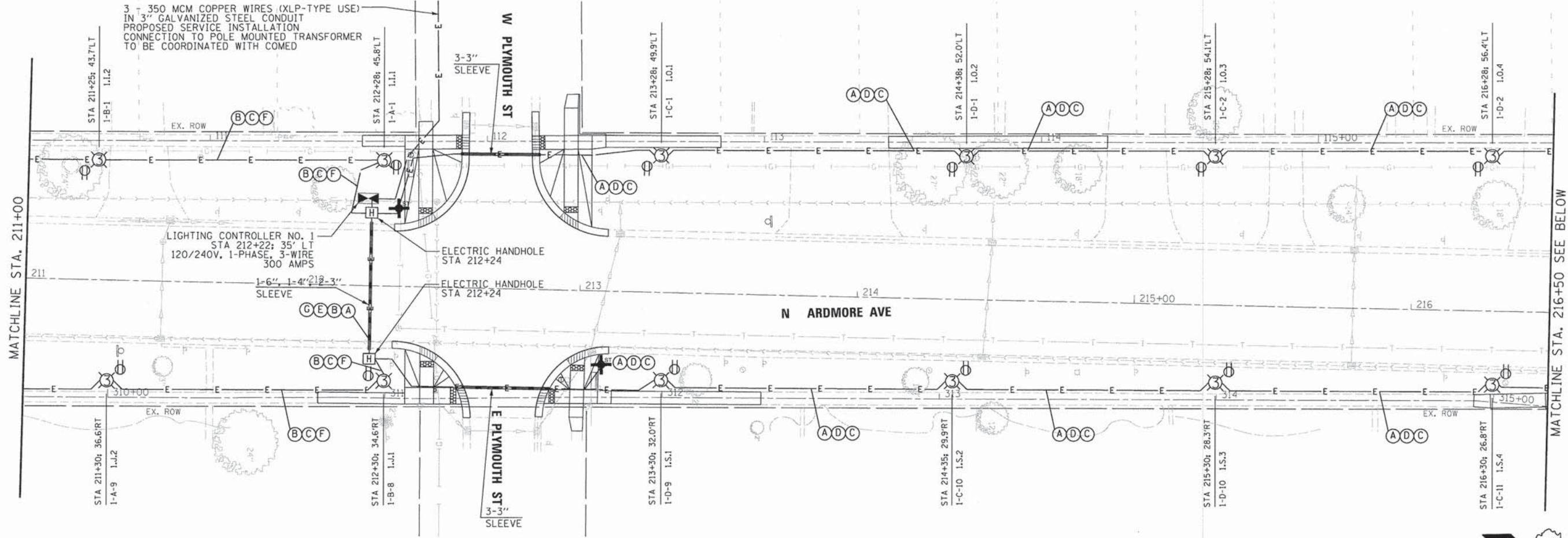
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DRAWN - DRP
CHECKED - MJR
DATE - 04-07-15

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING AND ELECTRICAL PLAN
SCALE: 1" = 20'
SHEET NO. 1 OF 3 SHEETS

F.A.U. RTE. 2651	SECTION 10-00091-00-LS	COUNTY DUPAGE	TOTAL SHEETS 53	SHEET NO. 39
CONTRACT NO. 61B07			ILLINOIS FED. AID PROJECT	



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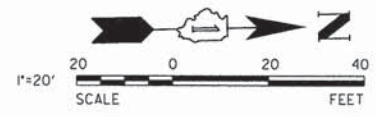
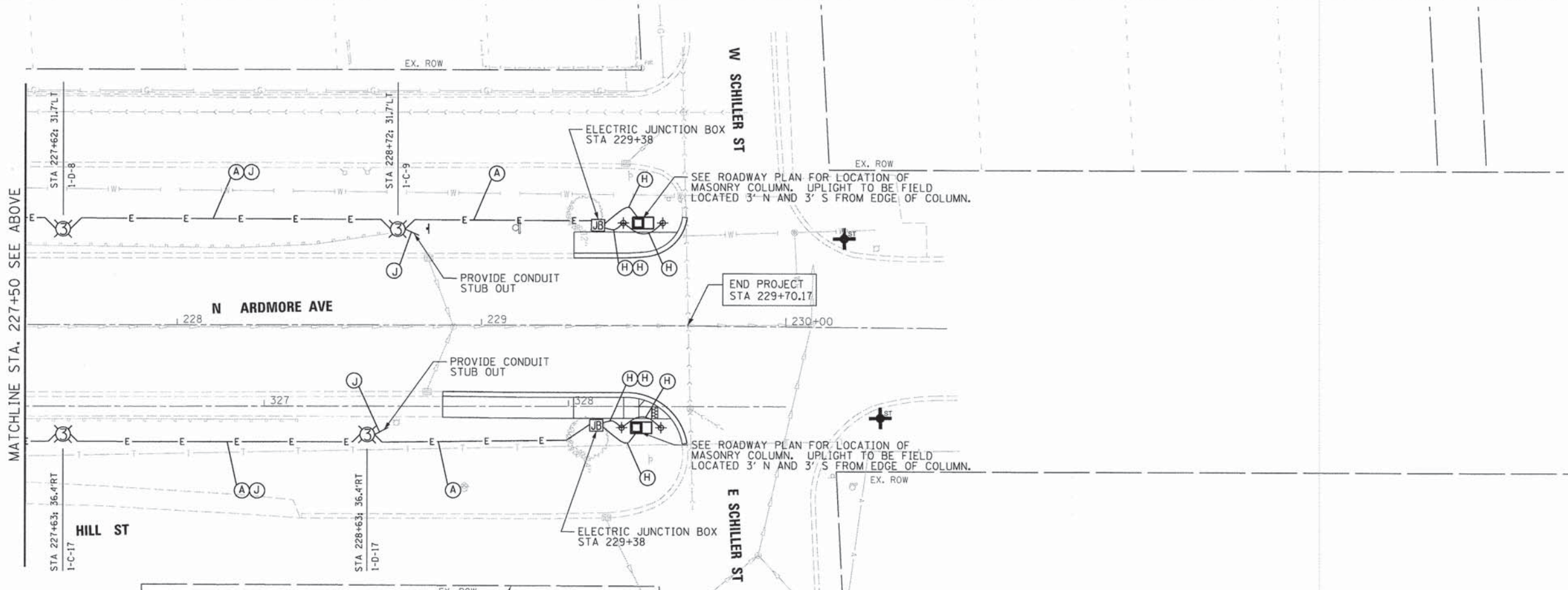
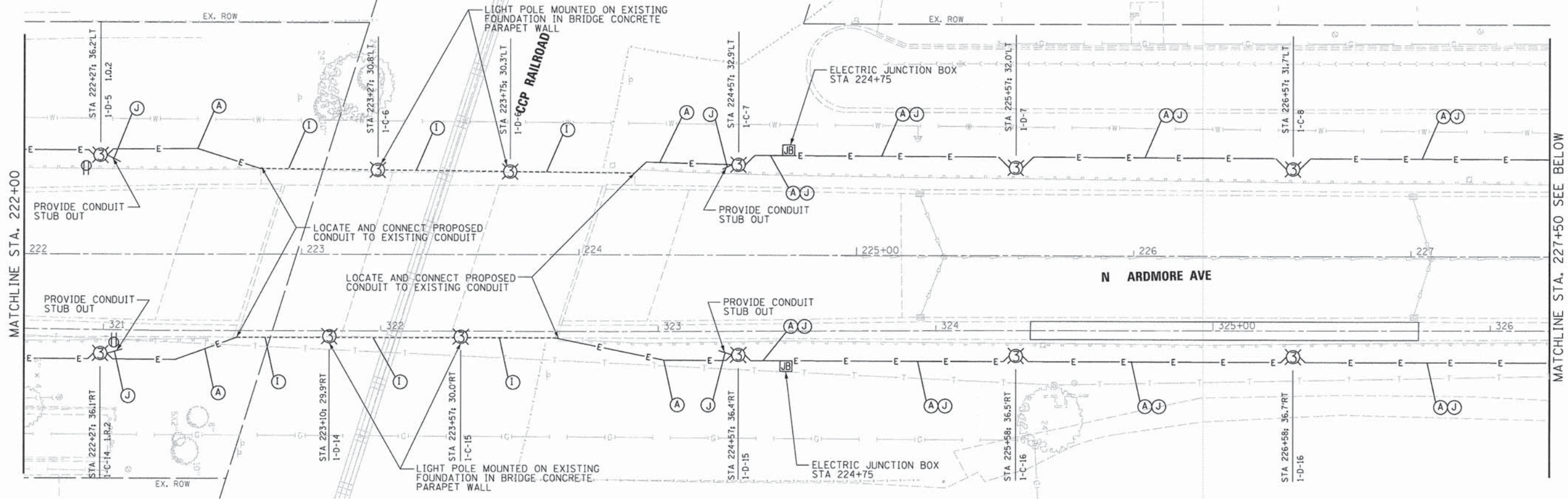
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DRAWN - DRP
CHECKED - MJR
DATE - 04-07-15

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REVISED -

STATE OF ILLINOIS
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LIGHTING AND ELECTRICAL PLAN
SCALE: 1" = 20'
SHEET NO. 2 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	40
				CONTRACT NO. 61B07
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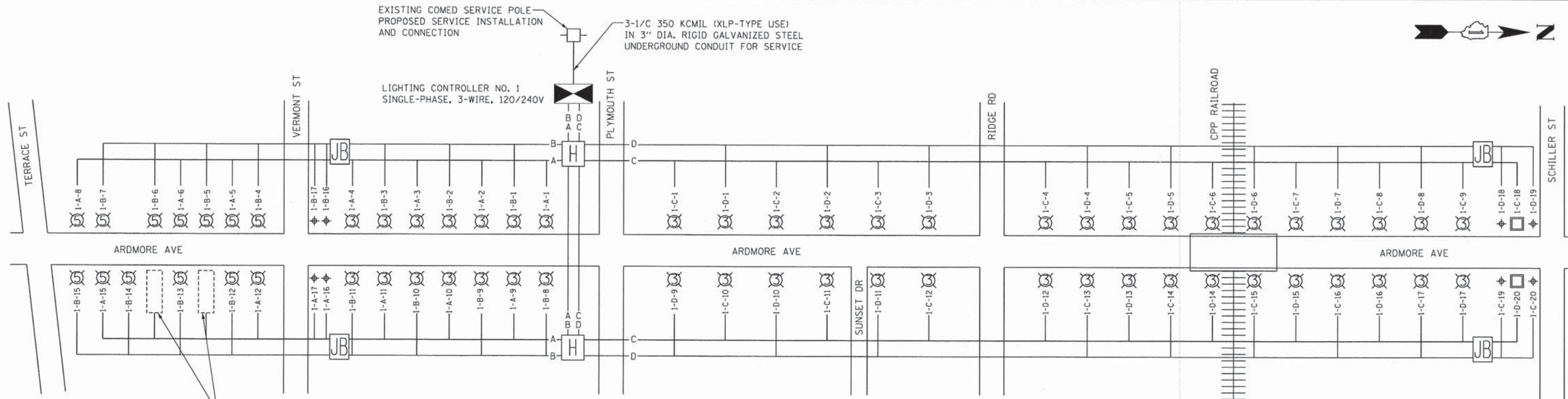
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	DATE - 04-07-15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHTING AND ELECTRICAL PLAN

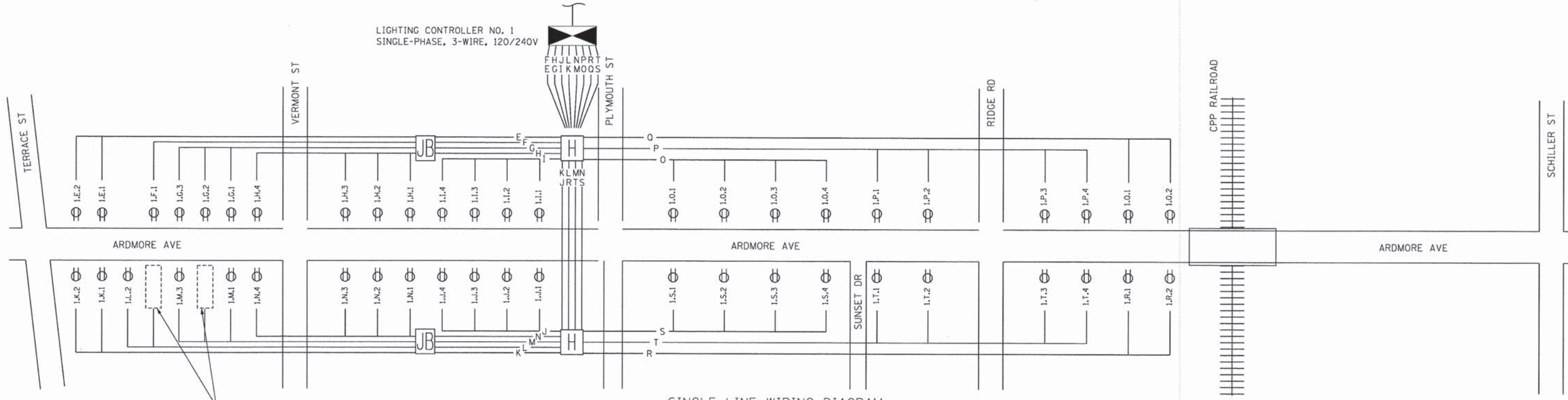
SCALE: 1" = 20' SHEET NO. 3 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	41
				CONTRACT NO. 61B07
ILLINOIS FED. AID PROJECT				



SINGLE LINE WIRING DIAGRAM
PEDESTRIAN LIGHTING

SEE ABOVE FOR SERVICE DETAILS



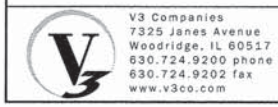
SINGLE LINE WIRING DIAGRAM
DUPLEX RECEPTACLES

ELECTRICAL SYMBOLS LEGEND

- PROPOSED LIGHTING UNIT, 14'-9" HEIGHT (12'-0" MOUNTING HEIGHT) 66 WATT LED LUMINAIRE, TYPE III, 120V, WITH DUPLEX RECEPTACLE (SEE SHEET 43 FOR LIGHT POLE DETAILS)
- PROPOSED LIGHTING UNIT, 14'-9" HEIGHT (12'-0" MOUNTING HEIGHT) 66 WATT LED LUMINAIRE, TYPE V 120V, WITH DUPLEX RECEPTACLE (SEE SHEET 43 FOR LIGHT POLE DETAILS)
- PROPOSED DUPLEX RECEPTACLE MOUNTED ON LIGHT POLE, 120V TO BE CONNECTED (SEE SHEET 43 FOR LIGHT POLE DETAILS)
- COLUMN INTERNAL LIGHTING UNIT
- LANDSCAPING UPLIGHT
- PROPOSED STREET LIGHT CONTROLLER AND CABINET WITH FOUNDATION
- PROPOSED ELECTRICAL JUNCTION BOX
- PROPOSED ELECTRICAL HANDHOLE

NOTES

1. ALL LIGHT POLES SHALL BE FURNISHED WITH THE DUPLEX RECEPTACLE INSTALLED BY THE MANUFACTURER. ONLY DUPLEX RECEPTACLES ON THE LIGHT POLES SHOWN IN THE PLAN SHALL BE CONNECTED TO THE ELECTRICAL SYSTEM.
2. THE ONLY CONDUITS ROUTED INTO THE LIGHT POLE BASE SHALL BE EMPTY CONDUITS FOR FUTURE WORK AND CONDUITS WITH CONDUCTORS REQUIRED AT THE LIGHT POLE.



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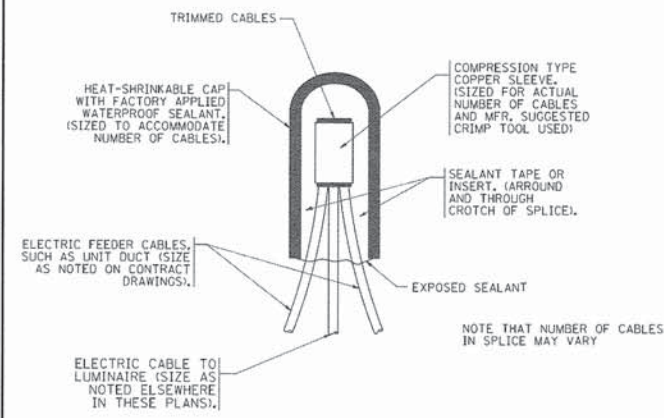
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SINGLE LINE WIRING DIAGRAM

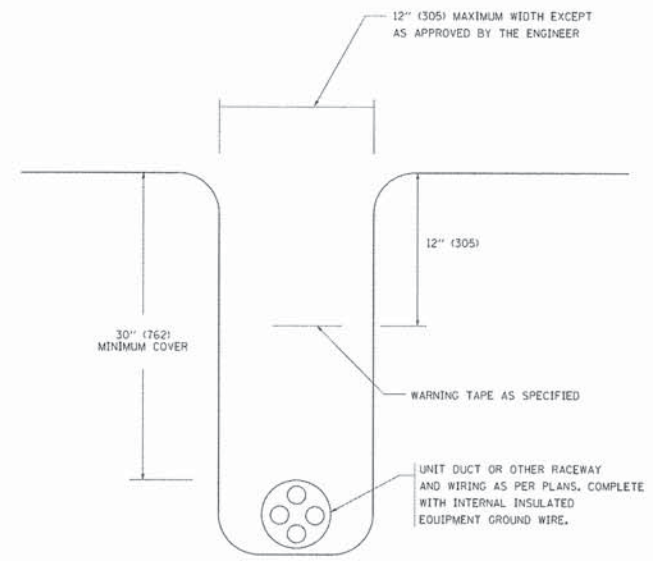
SCALE: NTS SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE. 2651	SECTION 10-00091-00-LS	COUNTY DUPAGE	TOTAL SHEETS 53	SHEET NO. 42
				CONTRACT NO. 61B07
ILLINOIS FED. AID PROJECT				



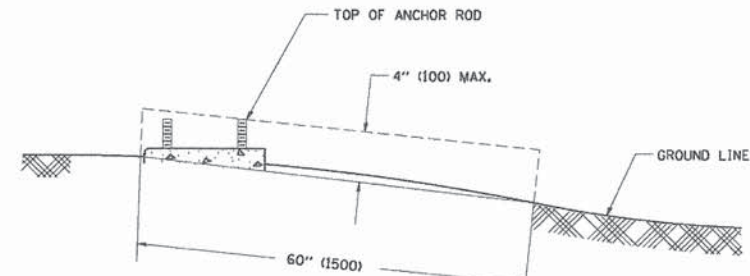
TYPICAL SPLICE DETAIL

N.T.S.

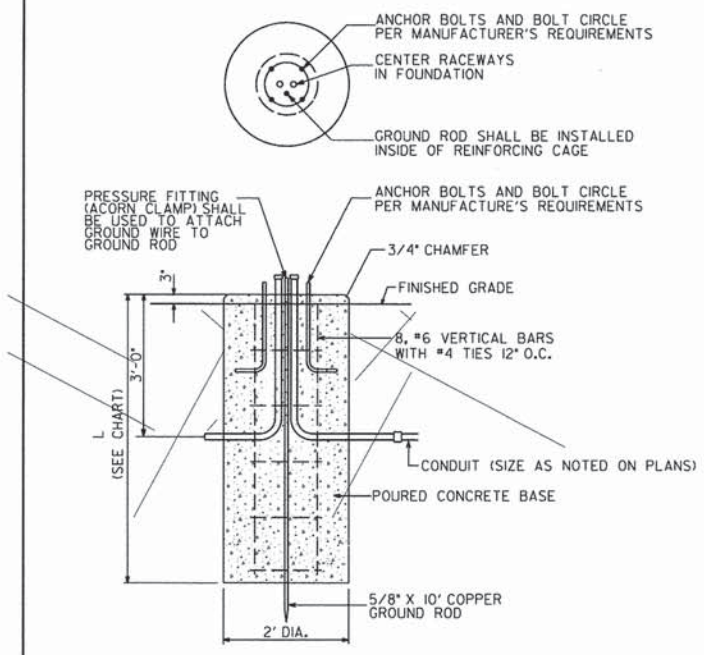


TYPICAL WIRING IN TRENCH DETAIL

N.T.S.



FOUNDATION EXTENSION DETAIL

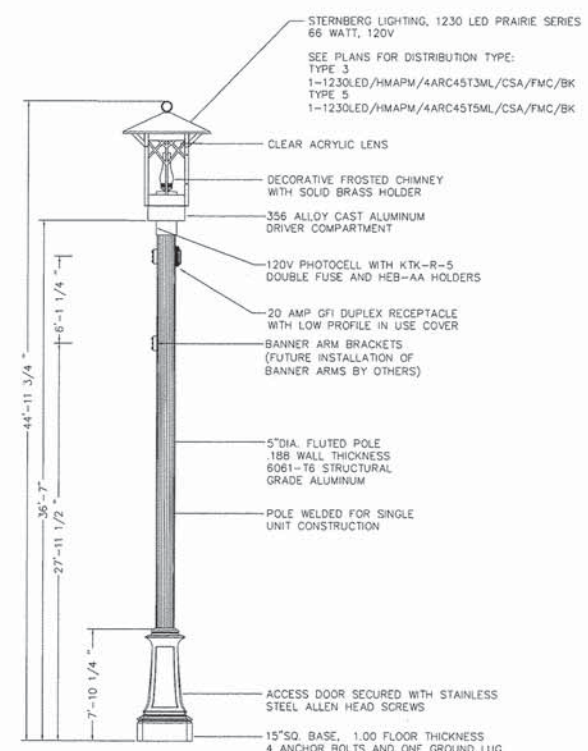


LIGHT POLE FOUNDATION, 24" DIAMETER, SPECIAL

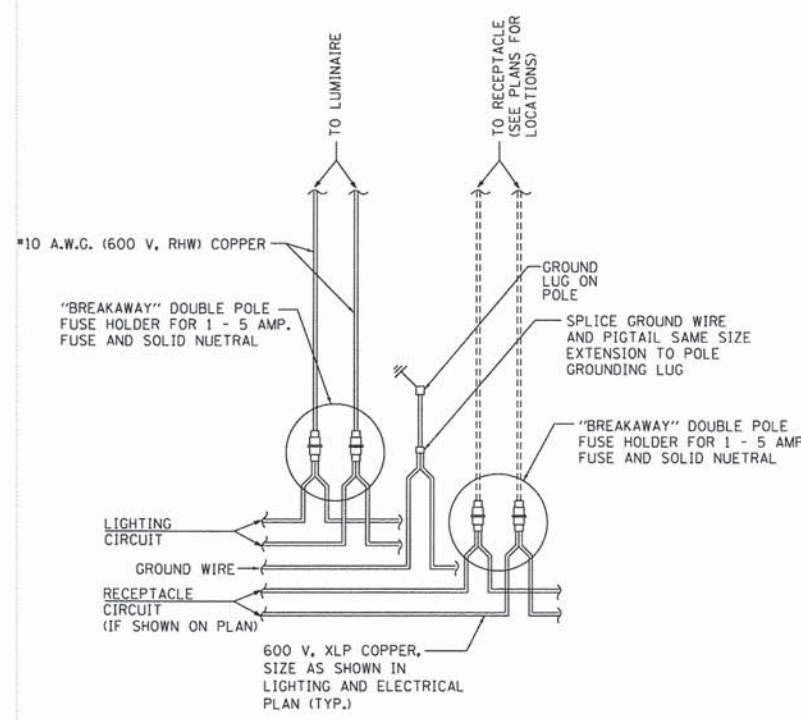
NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS SJ. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 D4, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UMG (MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

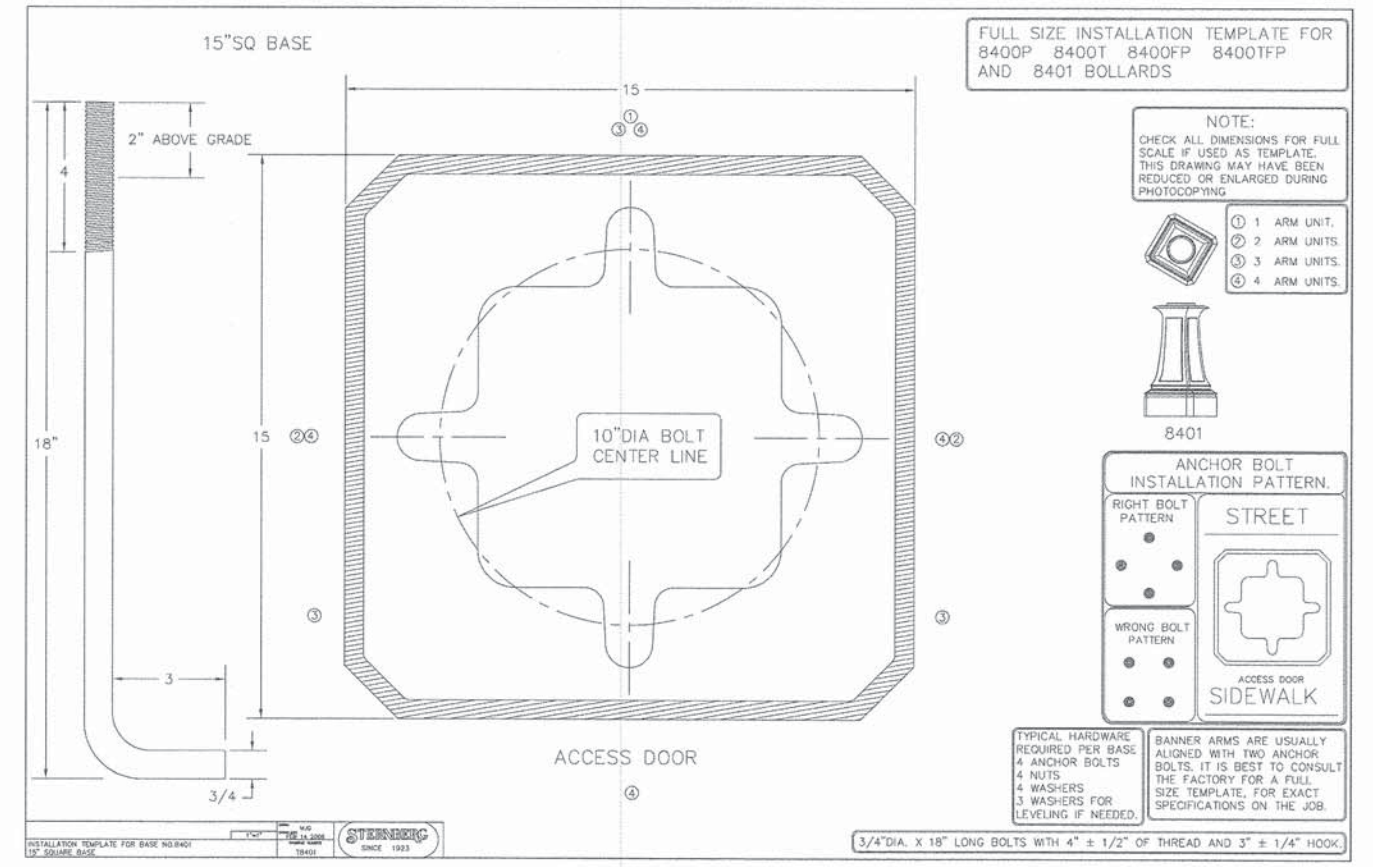
FINISHED GRADE SLOPE	FOUNDATION LENGTH, L
FLATTER THAN 2.5V : 1H	6'-0"
2.5V : 1H AND STEEPER	8'-0"



LIGHTING UNIT COMPLETE, SPECIAL



LIGHT POLE WIRING DETAIL



V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
830.724.9200 phone
830.724.9202 fax
www.v3co.com

USER NAME = #USER#	DESIGNED - EIH	REVISED -
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -
PLOT DATE = #DATE#	CHECKED - MJR	REVISED -
	DATE - 04-07-15	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING AND ELECTRICAL DETAILS

SCALE: NTS SHEET NO. 1 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-0091-00-LS	DUPAGE	53	43
				CONTRACT NO. 61B07
ILLINOIS FED. AID PROJECT				

PANEL EQUIPMENT

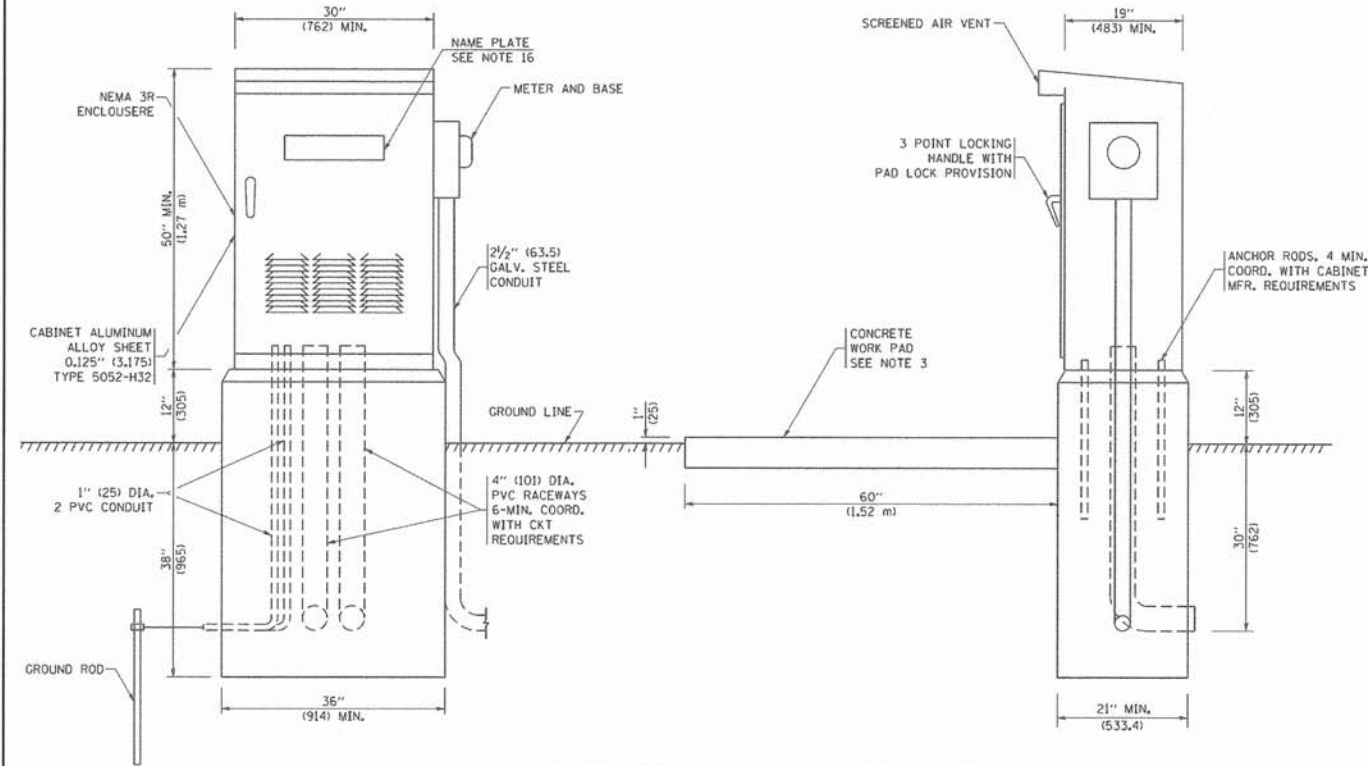
- (A) MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT, 300 AMP FRAME, 300 AMP, NON-INTERCHANGABLE TRIP INTERRUPTING RATING NEMA 22,000 AMP AT 240 VOLTS.
- (B) LIGHTING CONTACTOR, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 100 AMP., 600 VOLTS CONTROL CIRCUIT 120 VOLT.
- (C) CONTROL CIRCUIT BREAKERS, 1 POLE, 120 VOLT, 100 AMP. FRAME, NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA 10,000 AMP. AT 120/240V, SIZE AS SHOWN.
- (D) PHOTOCELL WITH INTEGRAL SURGE ARRESTER
- (E) SPST 20A SWITCH ON DOOR, TO TURN LIGHT ON WHEN DOOR IS OPEN
- (F) INCANDESCENT LIGHTING FIXTURE ENCLOSED AND GASKETED WITH 60 WATT, 120 V. LAMP.
- (G) 20 A., 120 V., DUPLEX RECEPTACLE, GFCI.
- (H) HAND-OFF-AUTO TOGGLE SWITCHES MOUNTED IN 4" (101.6) X 4" (101.6 mm) BOX.
- (I) PHOTO ELECTRIC CELL TERMINAL BLOCK
- (J) COPPER GROUND BUS (NEUTRAL) 1/4" X 1" X 12" LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
- (K) COPPER GROUND BUS 1/4" X 1" X 12" LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
- (L) SURGE ARRESTER
- (M) CABINET HEATER WITH THERMOSTAT, 100W

NOTES:

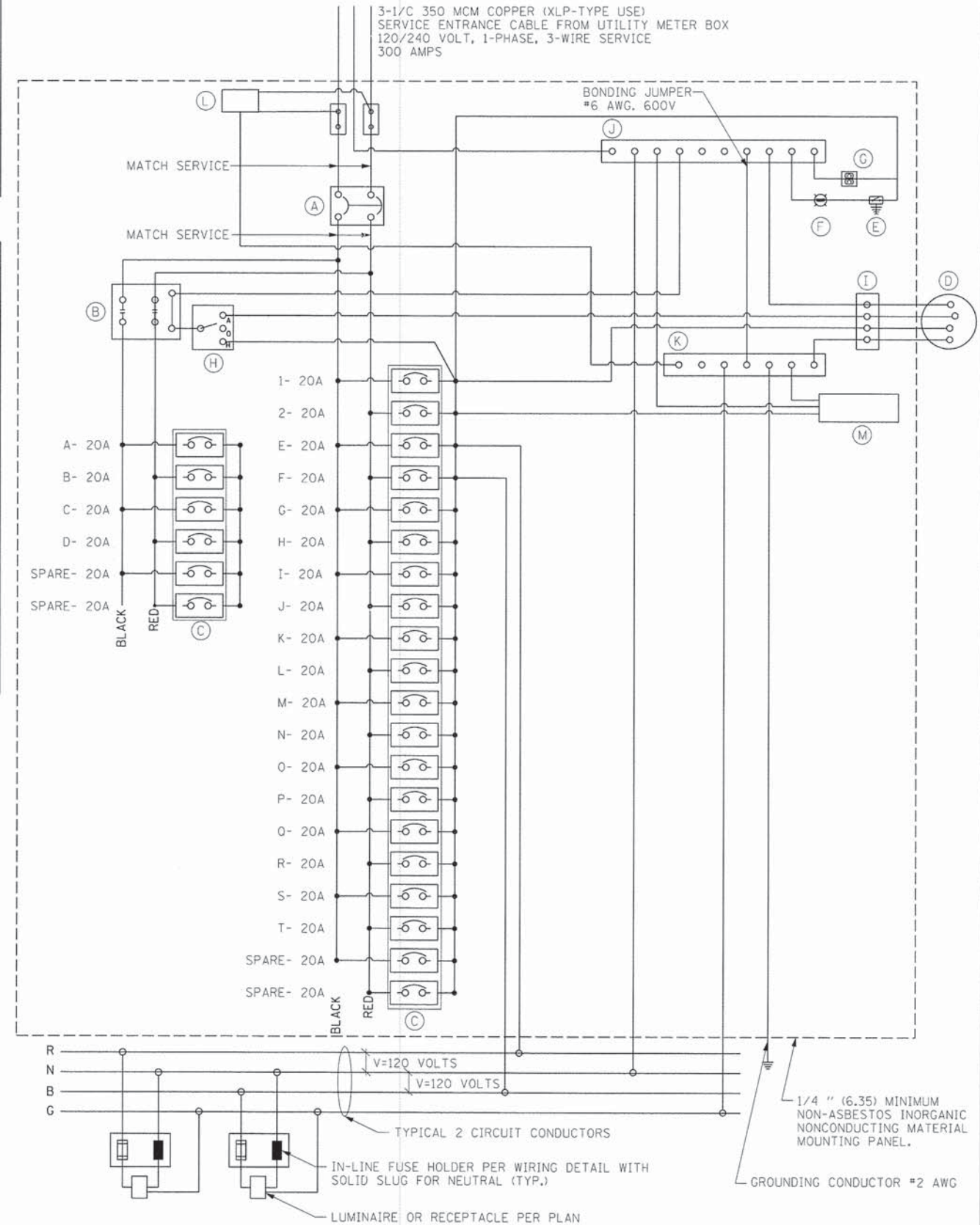
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. FOUNDATION SIZE SHALL BE COORDINATED WITH CABINET SIZE AND MFR.
3. IN FRONT OF CONTROL CABINET DOOR, REMOVE VEGETATION AND 2" (50.8 mm) TOP SOIL, LEVEL THE AREA AND ON TOP, PLACE LENGTH WISE PARALLEL TO CONTROL CABINET, A CONCRETE PAD 36" (914.4 mm) x 60" (1524 mm) x 4" (101 mm) MIN. SIZE. THE COST OF LABOR AND MATERIALS ARE INCLUDED IN THE COST OF THE CONTROLLER.
4. DOOR SHALL BE CONSTRUCTED FROM SAME TYPE OF MATERIAL AND THICKNESS AS CABINET.
5. DOOR SHALL BE EQUIPPED WITH THREE POINT LATCHING MECHANISM WITH NYLON ROLLERS AT TOP THE BOTTOM.
6. DOOR HINGE SHALL BE A HEAVY GAUGE CONTINUOUS HINGE WITH A 1/4" (6.35 mm) DIA. STAINLESS STEEL HINGE PIN.
7. ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL.
8. CONTROL WIRING TO BE #12 AWG, 600V. TYPE "SIS" GRAY SWITCH BOARD WIRE, STRANDED COPPER.
9. METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET, NEAR TO THE SERVICE POLE.
10. CABINETS SHALL BE PRIMED AND PAINTED AS SPECIFIED.
11. THE HEADS OF CONNECTORS SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BAR CONNECTION AND GREEN FOR GROUND BAR CONNECTORS.
12. ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED, R = RED BL = BLUE W = WHITE B = BLACK Y = YELLOW G = GREEN
13. PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
14. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
15. THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL".
16. 12" (304.8) X 16" (406.4 mm) STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "VILLAGE OF VILLA PARK LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.

LOAD TABLE			
CKT	RED	BLACK	CKT
I	6.0	9.2	B
A	10.0	10.0	B
C	11.6	11.6	D
E	6.0	6.0	F
G	9.0	12.0	H
I	12.0	6.0	J
K	6.0	12.0	L
M	9.0	12.0	N
O	12.0	12.0	P
Q	6.0	6.0	R
S	12.0	12.0	T
TOTAL 94		100 AMPS @ 120V	

NOTE: ESTIMATED LOAD FOR RECEPTACLES



CABINET AND FOUNDATION DETAILS



PANEL CONTROL SCHEMATIC

LIGHTING CONTROLLER NO. 1

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

USER NAME = #USER#	DESIGNED - EIH	REVISED -
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -
PLOT DATE = #DATE#	CHECKED - MJR	REVISED -
	DATE - 04-07-15	REVISED -

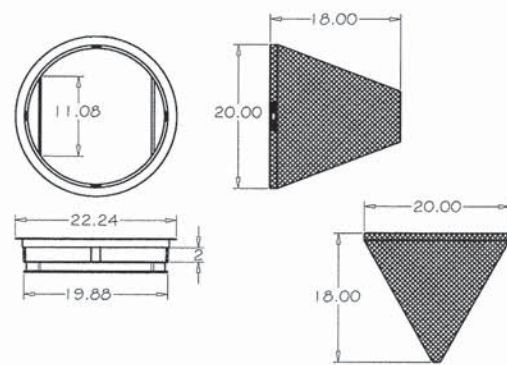
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING AND ELECTRICAL DETAILS

SCALE: NTS SHEET NO. 2 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	44
				CONTRACT NO. 61B07

ILLINOIS FED. AID PROJECT



GENERAL NOTES:

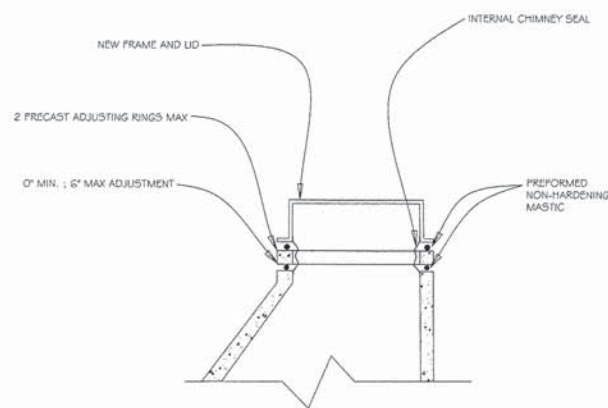
1. FRAME: TOP FLANGE FABRICATED FROM 1.25 X 1.25 X 0.125 ANGLE. BASE RIM FABRICATED FROM 1.5 X 0.5 X 0.125 CHANNEL HANDLES AND SUSPENSION BRACKETS FABRICATED FROM 1.25 X 0.25 FLAT STOCK. ALL DOMESTIC STEEL CONFORMING TO ASTM - A36.
2. SEDIMENT BAG: BAG FABRICATED FROM 4 OZ./SQ. YD. NON-WOVEN POLYPROPYLENE GEOTEXTILE REINFORCED WITH POLYESTER MESH. BAG SECURED TO BASE RIM WITH A STAINLESS STEEL STRAP AND LOCK.

NOT TO SCALE

REV.	RMS	DATE:	JUL 2004
REV.	VV	DATE:	JAN 2003

INLET FILTER

VILLAGE OF VILLA PARK
STORM - 17



GENERAL NOTES:

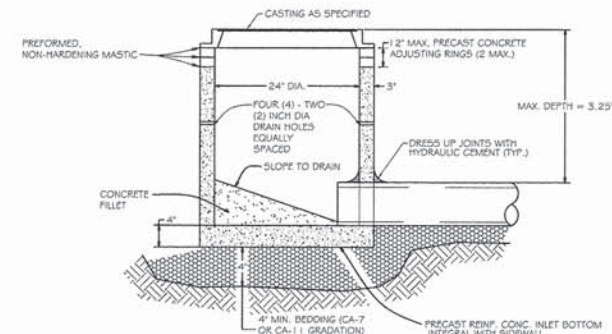
1. INTERNAL MANHOLE CHIMNEY SEAL CONFORMING ASTM C-923 CRIBTEX OR APPROVED EQUAL (SANITARY AND COMBINED MANHOLES ONLY)
2. NEW FRAME AND LID (SANITARY): NEENAH K-1015-2000 FRAME NEENAH K-1015-2001 50\"/>

NOT TO SCALE

REV.	RMS	DATE:	JUL 2004
REV.	VV	DATE:	JAN 2003

TYPICAL ADJUSTMENT

VILLAGE OF VILLA PARK
SANITARY - 06



GENERAL NOTES:

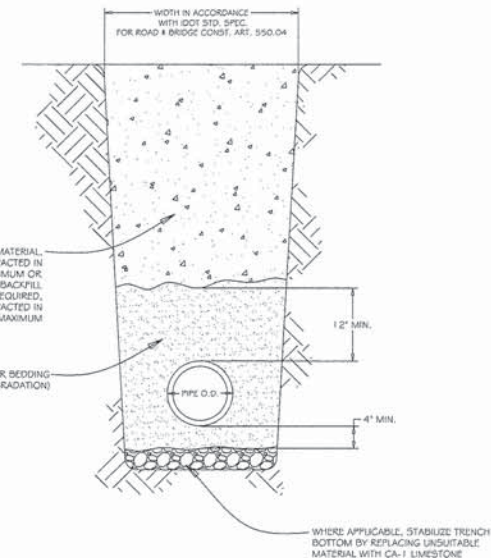
1. PROVIDE PRECAST REINFORCED CONCRETE BARREL AND RISER SECTION. CONCRETE BLOCK CONSTRUCTION IS NOT PERMITTED.
2. PROVIDE GRANULAR BACKFILL AROUND INLET TO SUBGRADE ELEVATION IN PAVED AREAS. MATERIAL SHALL MEET THE REQUIREMENTS OF IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" FOR COARSE AGGREGATE (CA-6 GRADATION.)
3. WHEN THE FRAME DOES NOT MEET PROPOSED ELEVATION, A MAXIMUM OF TWO PRECAST CONCRETE RINGS MAY BE USED TO A MAXIMUM HEIGHT OF 12 INCHES. THE RINGS AND FRAME SHALL BE SET IN A BED OF PREFORMED NON-HARDENING MASTIC (RUB-BLACK, EZ STICK OR APPROVED EQUAL).
4. PRECAST ADJUSTING RINGS SHALL BE REINFORCED WITH NO. 3 GAUGE WIRE OR EQUIVALENT AND SHALL HAVE A MINIMUM THICKNESS OF TWO INCHES.
5. MORTAR SHALL NOT BE USED TO DRESS UP ADJUSTING RINGS AND/OR FRAME.
6. IN PAVED AREAS, DRAIN HOLES/SWEEP HOLES SHALL BE COVERED WITH FILTER FABRIC. FILTER FABRIC SHALL BE SECURED TO THE OUTSIDE OF STRUCTURE PRIOR TO BACKFILL.
7. IN GRASSED AREAS, DRAIN HOLES/SWEEP HOLES SHALL BE PLUGGED WITH HYDRAULIC CEMENT.

NOT TO SCALE

REV.	RMS	DATE:	JUL 2004
REV.	VV	DATE:	JAN 2003

INLET TYPE "A"

VILLAGE OF VILLA PARK
STORM - 15



GENERAL NOTES:

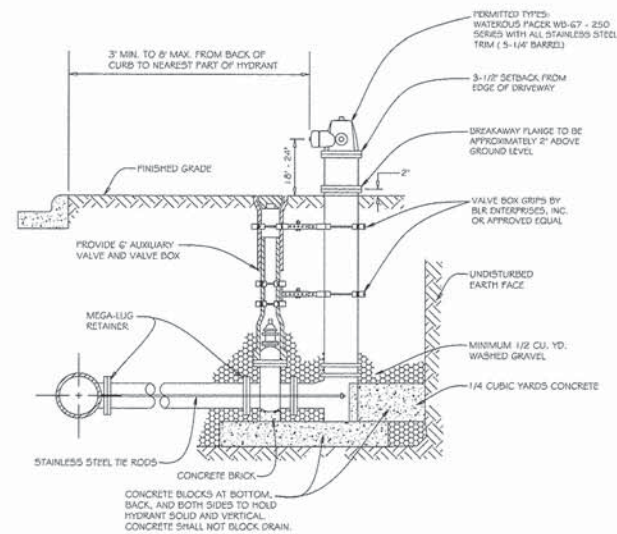
1. GRANULAR TRENCH BACKFILL SHALL BE MECHANICALLY COMPACTED IN LAYERS OF 12" MAXIMUM. LOOSE MEASURE, TO 95% OF STANDARD MAXIMUM DENSITY (ASTM D 698)
2. EXCAVATED MATERIAL USED FOR BACKFILL SHALL BE MECHANICALLY COMPACTED IN LAYERS OF 18" MAXIMUM. LOOSE MEASURE, TO 90% OF STANDARD MAXIMUM DENSITY (ASTM D 698)

NOT TO SCALE

REV.	RMS	DATE:	JUL 2004
REV.	VV	DATE:	JAN 2003

PIPE INSTALLATION

VILLAGE OF VILLA PARK
SANITARY - 08



GENERAL NOTES:

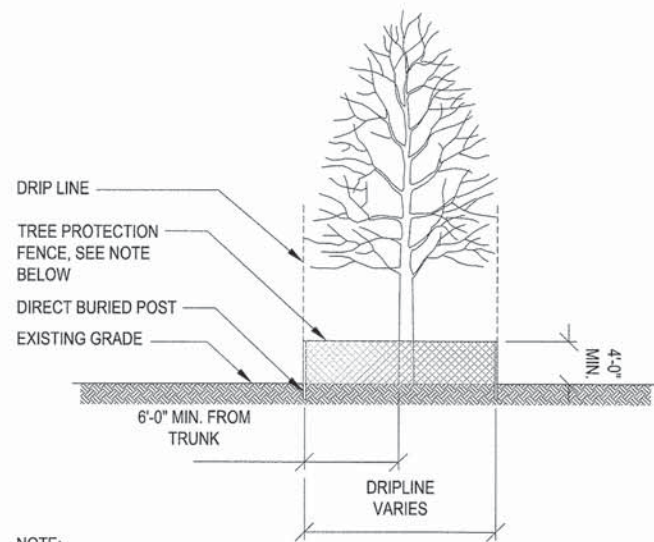
1. MAXIMUM BARREL EXTENSIONS ARE 18 INCHES AND SHALL BE WATERLOUS EXTENSION FOR WATERLOUS HYDRANTS.
2. ALL HYDRANTS ARE TO BE SUPPLIED WITH A C FLANGED AND MECHANICAL JOINT ALKALI VALVE THAT CONFORMS TO AWWA 500-60. ALL TRIM BOLTS ARE TO BE STAINLESS STEEL.
3. ALL BELOW GRADE FASTENERS TO BE STAINLESS STEEL: A. BOLTS AND THREADED RODS - GRADE #304 B. NUTS AND WASHERS - GRADE #304
4. MEGA-LUG RETAINERS MUST BE INSTALLED ON ALL MECHANICAL FITTINGS.

NOT TO SCALE

REV.	RMS	DATE:	JUL 2004
REV.	VV	DATE:	JAN 2003

FIRE HYDRANT SETTING

VILLAGE OF VILLA PARK
WATER - 04



NOTE:
FENCE SHALL BE SIMILAR TO A 48" HIGH PLASTIC POLY-TYPE OR ANY OTHER TYPE OF HIGHLY VISIBLE BARRIER. FENCE SHALL BE PROPERLY MAINTAINED AND SHALL REMAIN ERECT UNTIL COMPLETION OF THE CONSTRUCTION PROJECT.

TEMPORARY FENCE DETAIL



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

USER NAME = #USER#
DESIGNED - EIH
DRAWN - DRP
CHECKED - MJR
DATE - 04-07-15

REVISED -
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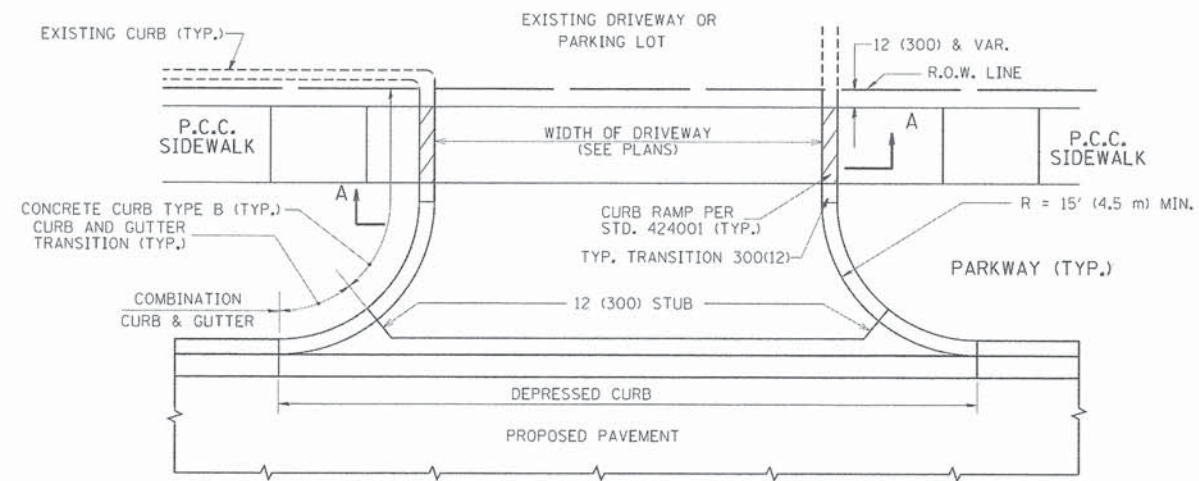
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

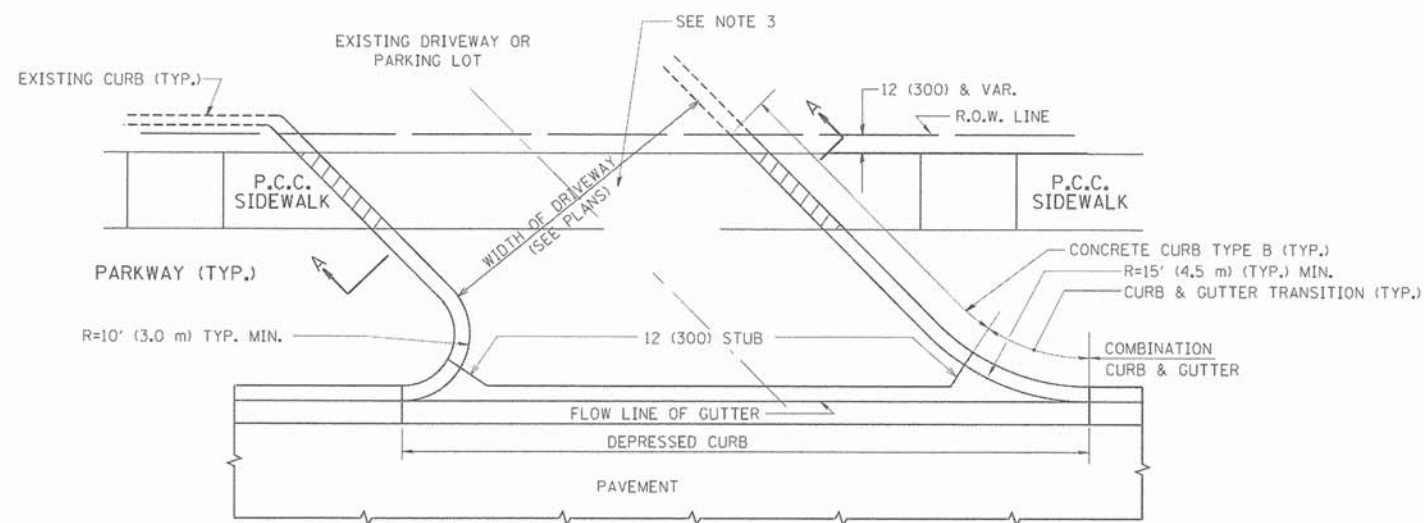
SCALE: N/A SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	45
				CONTRACT NO. 61B07

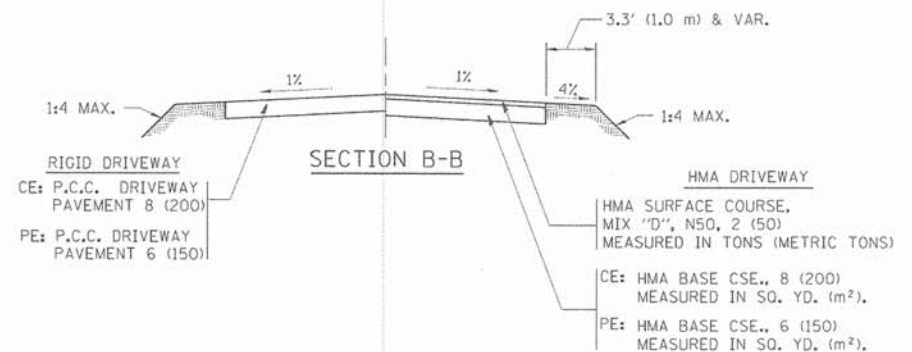
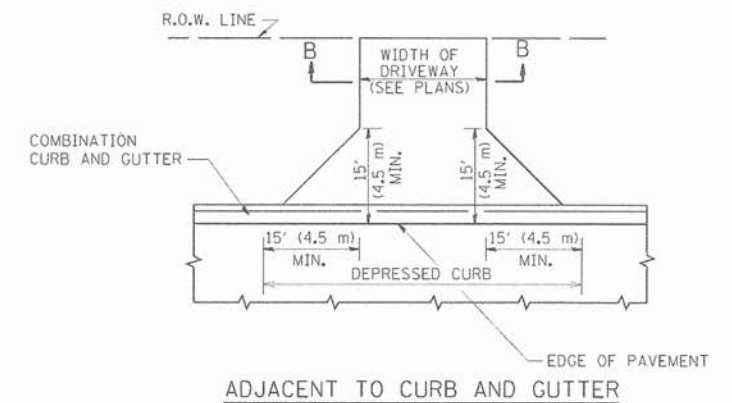
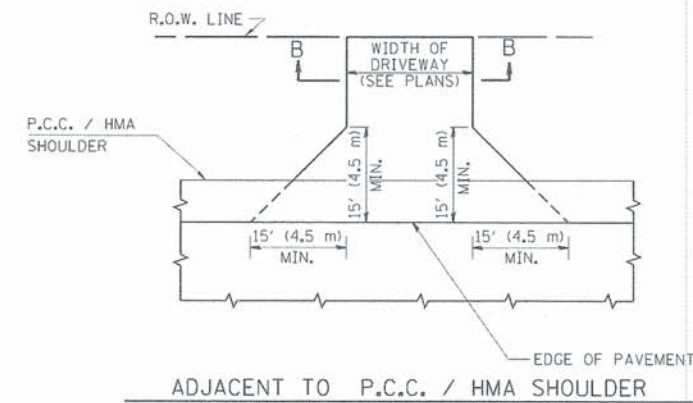
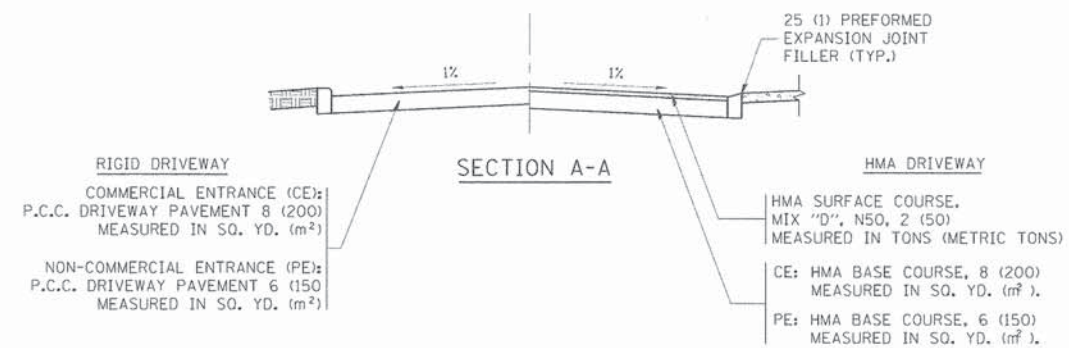
ILLINOIS FED. AID PROJECT



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



RURAL FIELD ENTRANCE (FE)
 HMA SURFACE COURSE,
 MIX "D", N50, 2 (50)
 MEASURED IN TONS (METRIC TONS)
 AGGREGATE BASE CSE., TYPE B, 8 (200)
 MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

FILE NAME = c:\pwork\spwdo\1\logas\08108315\bd01.dwg	USER NAME = logas	DESIGNED - R. SHAH	REVISED - P. LOFLUER 04-15-03
		DRAWN -	REVISED - R. BORO 01-01-07
		CHECKED -	REVISED - R. BORO 06-11-08
		DATE - 11-04-95	REVISED - R. BORO 09-06-11

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W.
 AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)
 SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	46
BD0156-07 (BD-01)			CONTRACT NO. 61807	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

18" (450) MAX.

1/4" (5) **

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

T/2 *

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

3" (75) MIN.

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

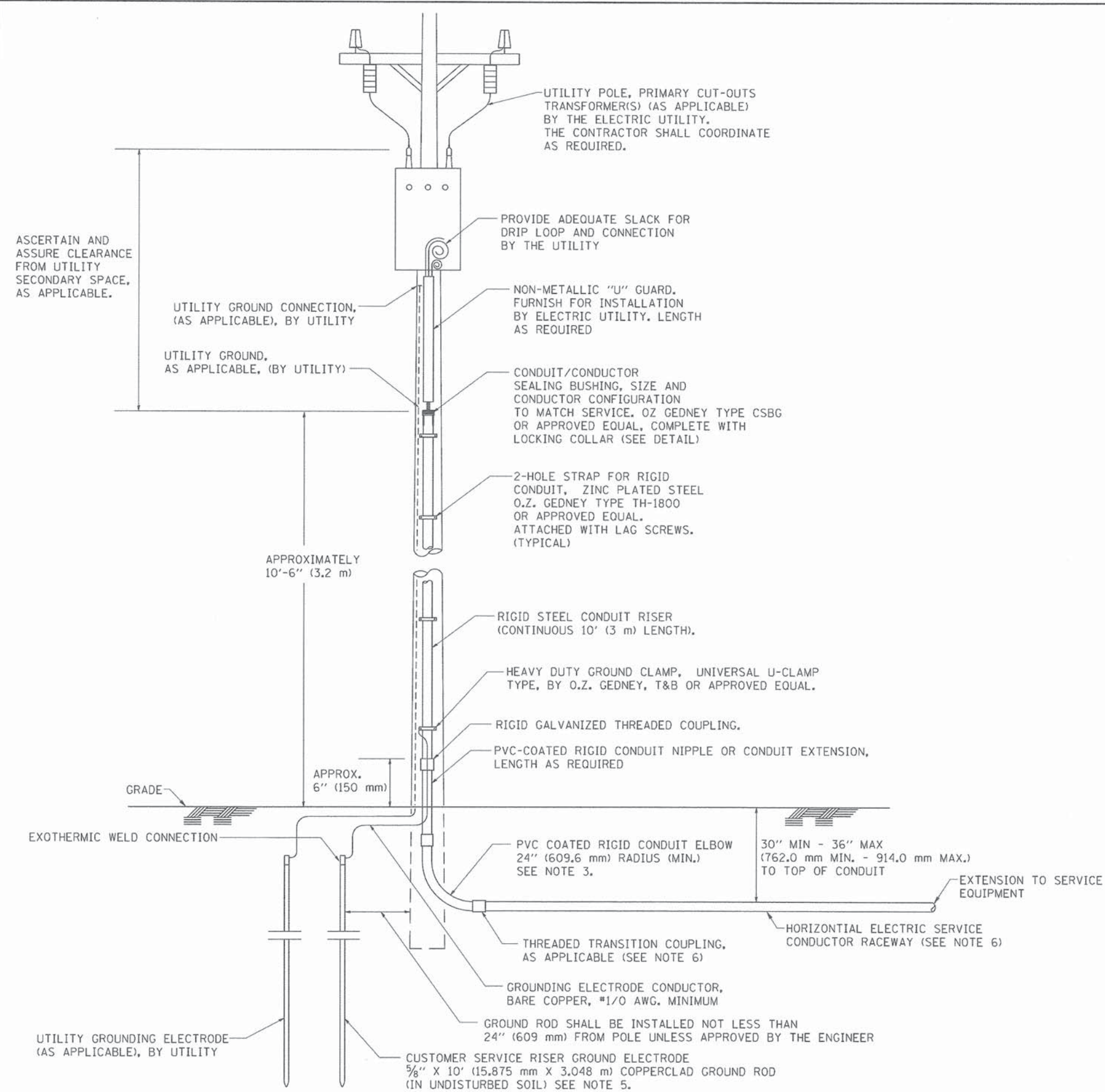
BASIS OF PAYMENT:

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = drvaknsgn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT			F.A.U. RTE. 2651	SECTION 10-00091-00-LS	COUNTY DUPAGE	TOTAL SHEETS 53	SHEET NO. 47
		DRAWN -	REVISED - A. ABBAS 03-21-97		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	BD600-06 (BD-24) CONTRACT NO. 61807				
		CHECKED -	REVISED - M. GOMEZ 01-22-01									
		DATE - 03-11-94	REVISED - R. BORO 12-15-09									



ASCERTAIN AND ASSURE CLEARANCE FROM UTILITY SECONDARY SPACE, AS APPLICABLE.

UTILITY POLE, PRIMARY CUT-OUTS TRANSFORMER(S) (AS APPLICABLE) BY THE ELECTRIC UTILITY. THE CONTRACTOR SHALL COORDINATE AS REQUIRED.

PROVIDE ADEQUATE SLACK FOR DRIP LOOP AND CONNECTION BY THE UTILITY

UTILITY GROUND CONNECTION, (AS APPLICABLE), BY UTILITY

UTILITY GROUND, AS APPLICABLE, (BY UTILITY)

NON-METALLIC "U" GUARD. FURNISH FOR INSTALLATION BY ELECTRIC UTILITY. LENGTH AS REQUIRED

CONDUIT/CONDUCTOR SEALING BUSHING, SIZE AND CONDUCTOR CONFIGURATION TO MATCH SERVICE. OZ GEDNEY TYPE CSBG OR APPROVED EQUAL, COMPLETE WITH LOCKING COLLAR (SEE DETAIL)

2-HOLE STRAP FOR RIGID CONDUIT, ZINC PLATED STEEL O.Z. GEDNEY TYPE TH-1800 OR APPROVED EQUAL. ATTACHED WITH LAG SCREWS. (TYPICAL)

APPROXIMATELY 10'-6" (3.2 m)

RIGID STEEL CONDUIT RISER (CONTINUOUS 10' (3 m) LENGTH).

HEAVY DUTY GROUND CLAMP, UNIVERSAL U-CLAMP TYPE, BY O.Z. GEDNEY, T&B OR APPROVED EQUAL.

RIGID GALVANIZED THREADED COUPLING.

PVC-COATED RIGID CONDUIT NIPPLE OR CONDUIT EXTENSION, LENGTH AS REQUIRED

APPROX. 6" (150 mm)

GRADE

EXOTHERMIC WELD CONNECTION

PVC COATED RIGID CONDUIT ELBOW 24" (609.6 mm) RADIUS (MIN.) SEE NOTE 3.

30" MIN - 36" MAX (762.0 mm MIN. - 914.0 mm MAX.) TO TOP OF CONDUIT

EXTENSION TO SERVICE EQUIPMENT

THREADED TRANSITION COUPLING, AS APPLICABLE (SEE NOTE 6)

HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY (SEE NOTE 6)

GROUNDING ELECTRODE CONDUCTOR, BARE COPPER, #1/0 AWG. MINIMUM

GROUND ROD SHALL BE INSTALLED NOT LESS THAN 24" (609 mm) FROM POLE UNLESS APPROVED BY THE ENGINEER

UTILITY GROUNDING ELECTRODE (AS APPLICABLE), BY UTILITY

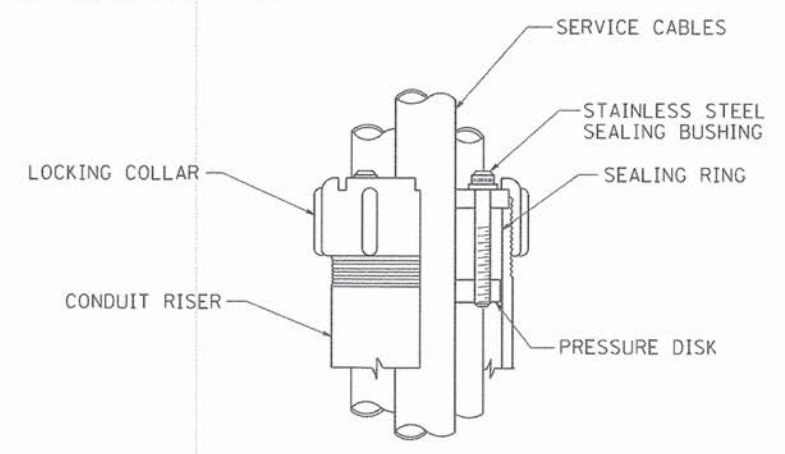
CUSTOMER SERVICE RISER GROUND ELECTRODE 5/8" X 10' (15.875 mm X 3.048 m) COPPERCLAD GROUND ROD (IN UNDISTURBED SOIL) SEE NOTE 5.

APPLICATION

THIS DETAIL APPLIES FOR LOW VOLTAGE ELECTRIC SERVICE (660 V OR LESS) FROM AN OVERHEAD UTILITY SUPPLY TO SEPERATLY-MOUNTED SERVICE EQUIPMENT.

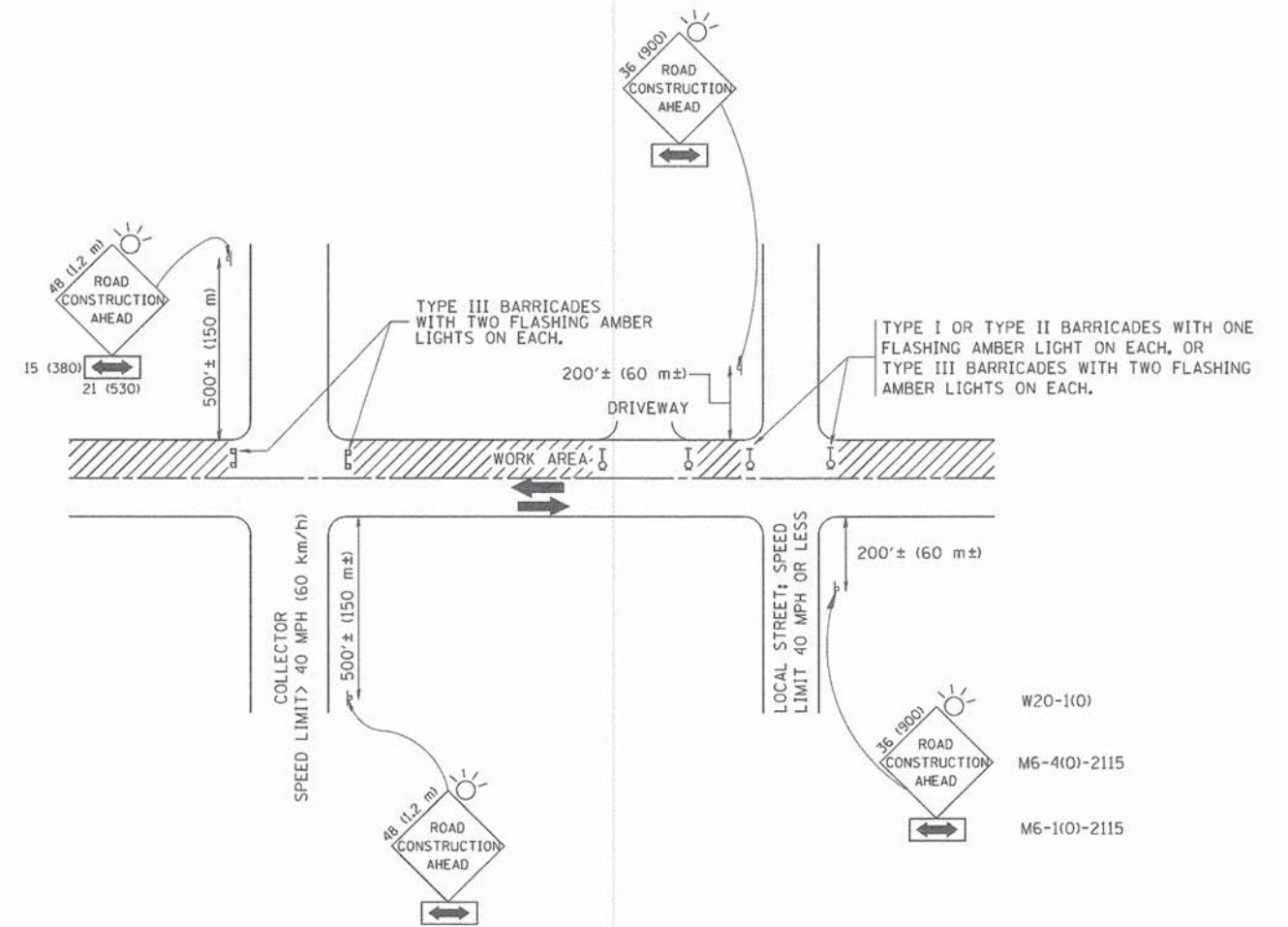
NOTES

- SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
- UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
- CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
- PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
- THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALIC TO NON METALIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
- PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.



SEALING BUSHING DETAIL

FILE NAME = W:\diststd\22x34\be228.dgn	USER NAME = gajlonobt	DESIGNED -	REVISED - 03-03-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ELECTRIC SERVICE INSTALLATION AERIAL REMOTE DISCONNECT			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	PLOT SCALE = 50,0000 ' / IN.	DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 1	OF 1 SHEETS	STA.	TO STA.	2651	10-00091-00-LS	DUPAGE	53	48
	PLOT DATE = 1/4/2008	CHECKED - MEA	REVISED -					BE-220		CONTRACT NO. 61B07				
		DATE -	REVISED -		<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>									



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

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

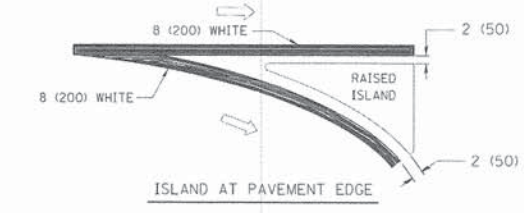
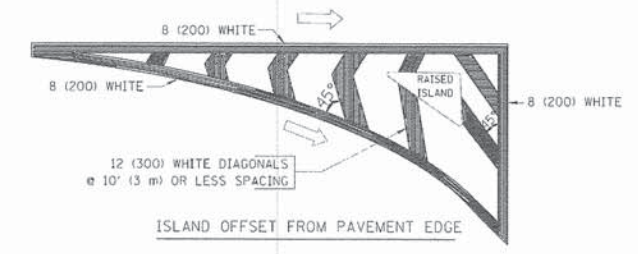
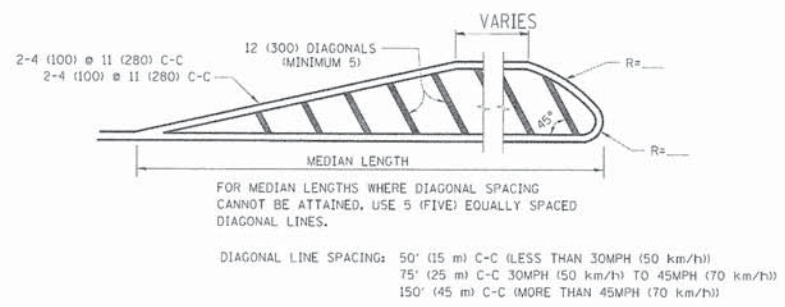
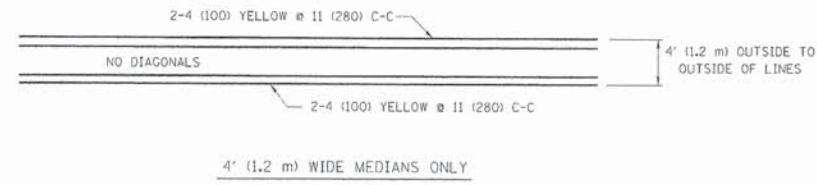
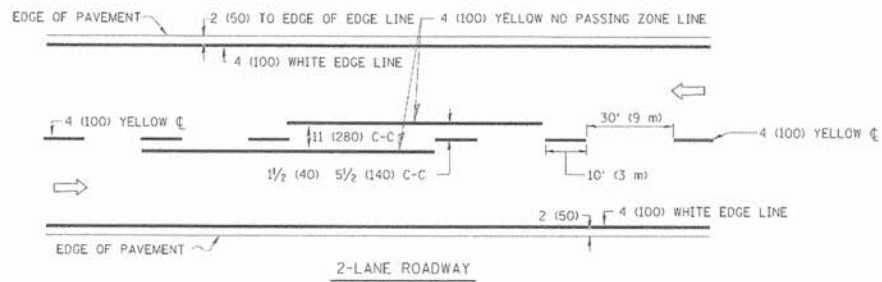
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		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

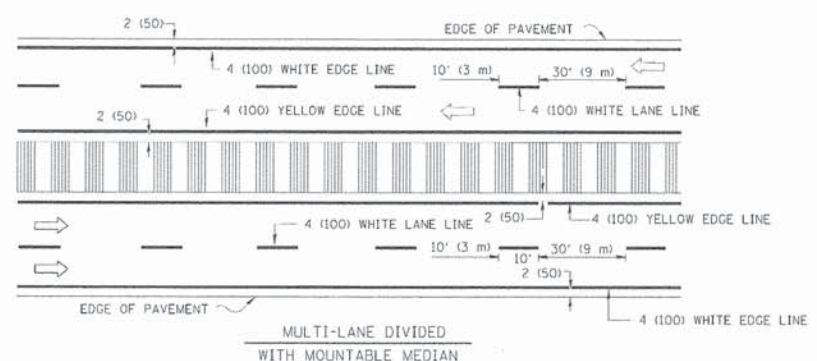
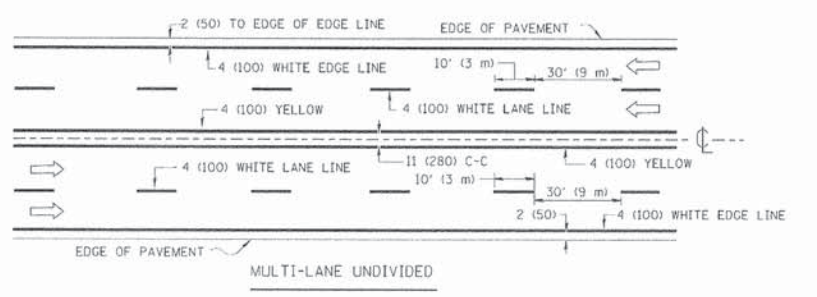
TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 61B07	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

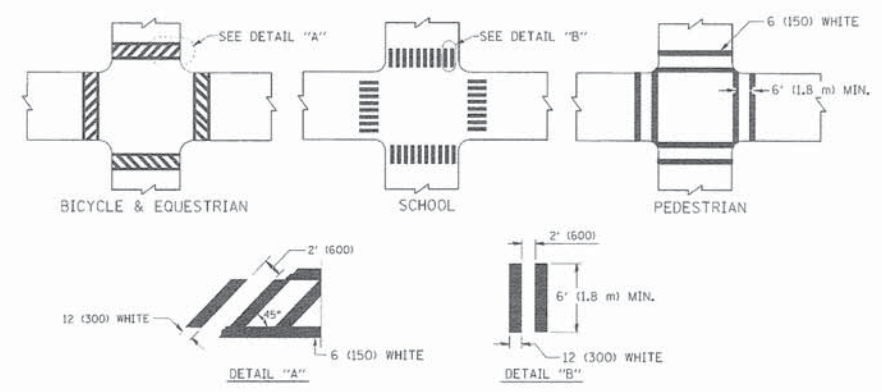


TYPICAL ISLAND MARKING

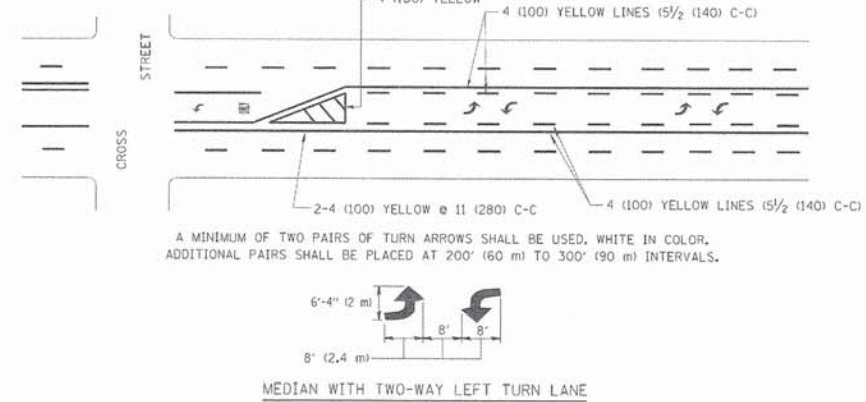


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

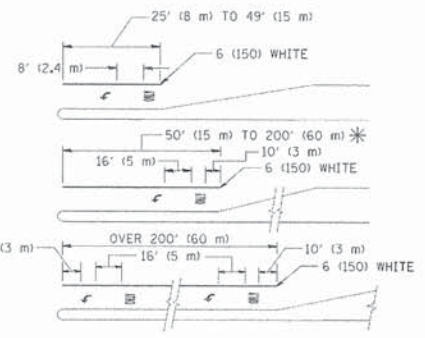
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

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

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" 15 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

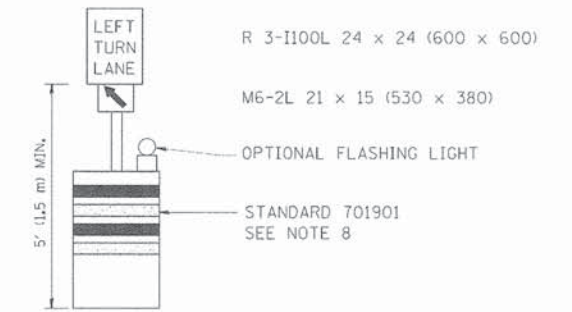
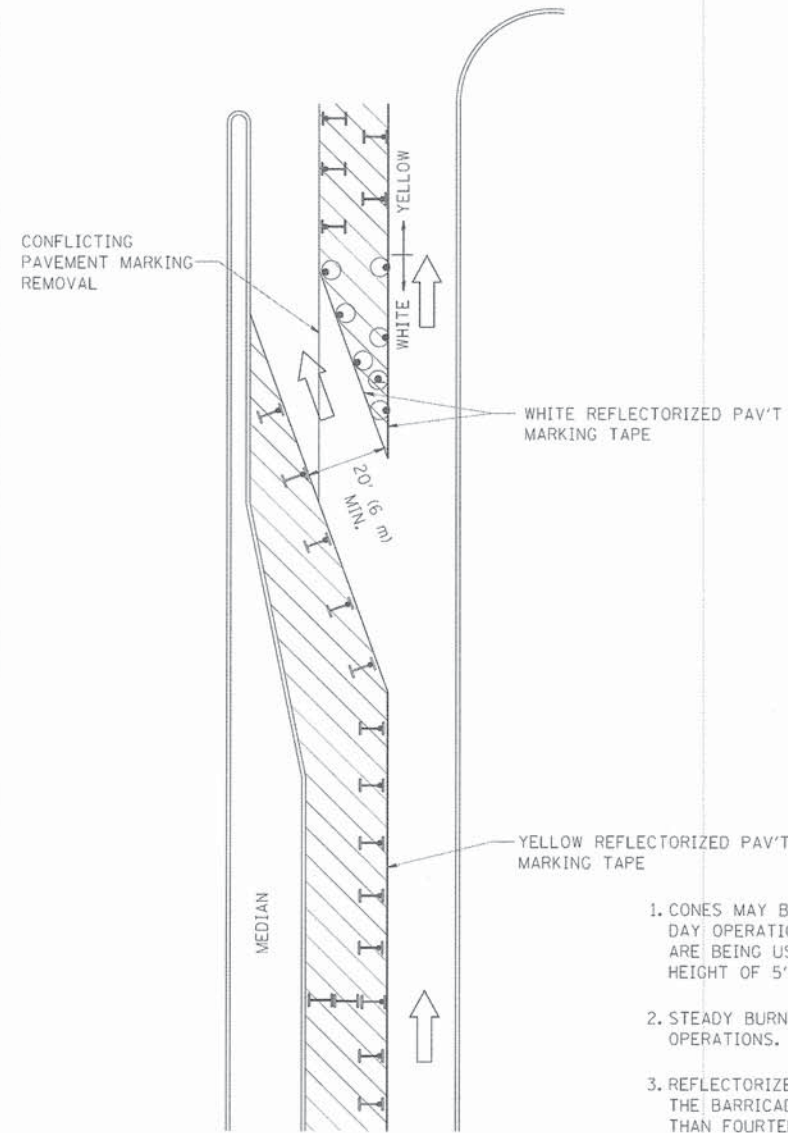
All dimensions are in inches (millimeters) unless otherwise shown.

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	PLOT DATE = 9/19/2009	DATE - 03-19-90	REVISED -

STATE OF ILLINOIS	
DEPARTMENT OF TRANSPORTATION	

DISTRICT ONE	
TYPICAL PAVEMENT MARKINGS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	50
TC-13		CONTRACT NO. 61B07		
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				









GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

LEGEND

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

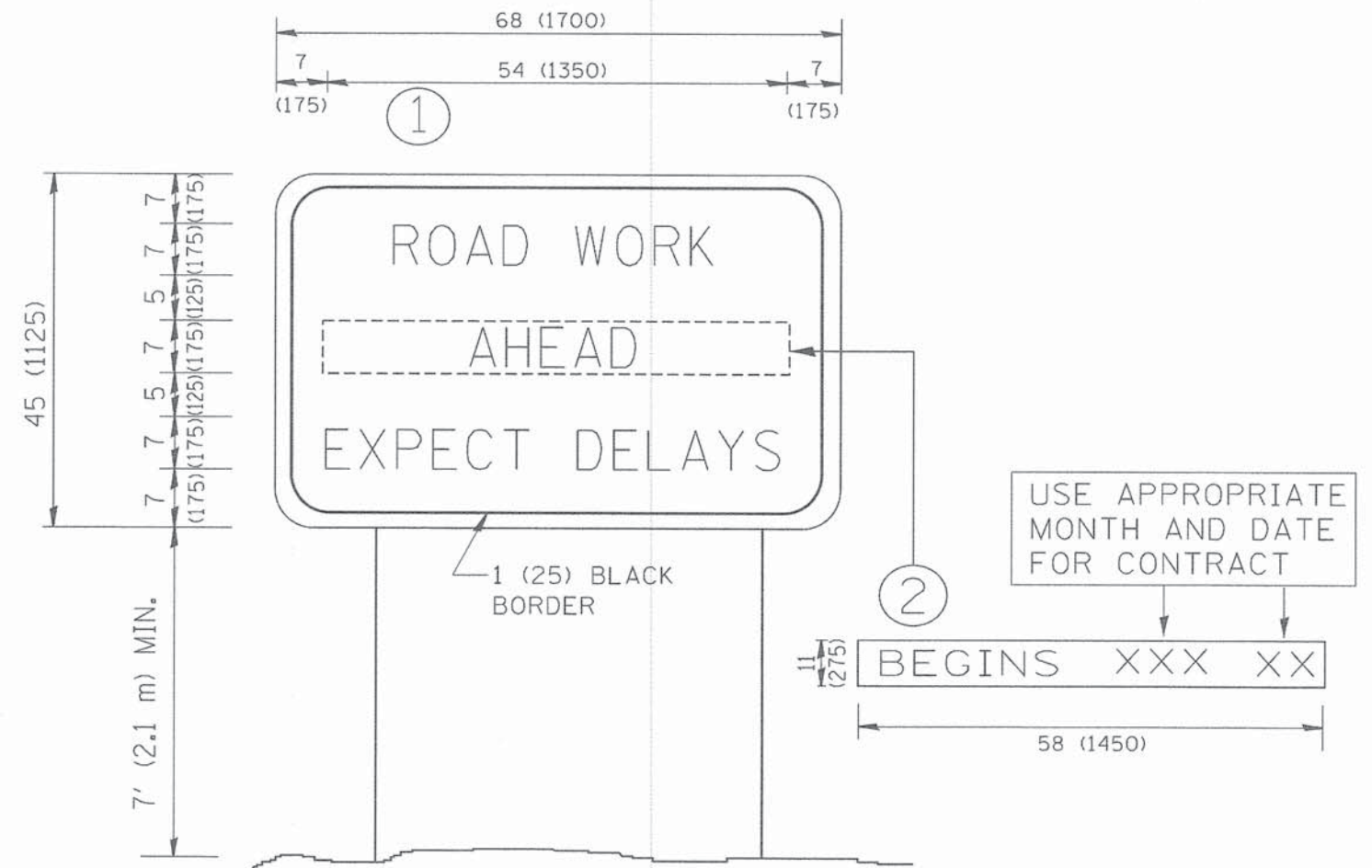
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	PLLOT SCALE = 49.9999 1/2 IN.	REVISED - A. HOUSEH 10-12-96	REVISED -
	PLLOT DATE = 9/14/2009	REVISED - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	51
TC-14		CONTRACT NO. 61B07		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

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

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

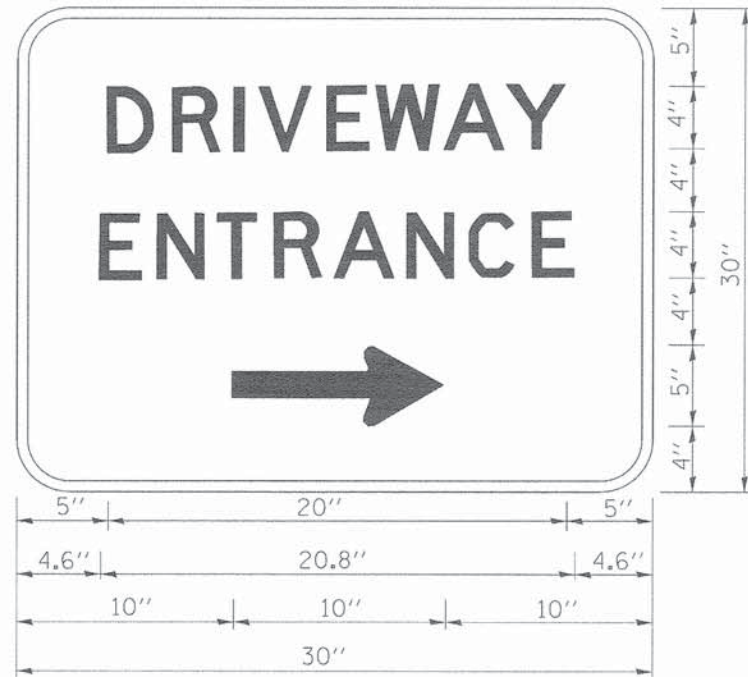
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	PLOT SCALE = 50,000 ' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	52
TC-22			CONTRACT NO. 61B07	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE
 PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN)
 SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY
 AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE
 FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

FILE NAME =	USER NAME = goglianob1	DESIGNED -	REVISED - C. JUCIUS 02-15-07
ca:\pw\work\p\side\goglianob1\08108315\10	PB.dgn	DRAWN -	REVISED -
	PLOT SCALE = 50.000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 12/13/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2651	10-00091-00-LS	DUPAGE	53	53
TC-26		CONTRACT NO.	61B07	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				