

03-04-2016 LETTING ITEM 139

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED  
FEDERAL AID PROJECT**

FAU 1453 (WEST 22ND STREET)  
SALT CREEK TO I-294/I-88 SPUR RAMP  
LANDSCAPED MEDIANS AND  
DECORATIVE STREET LIGHTING  
SECTION NO: 13-00046-00-LS  
PROJECT NO: TE-00D1 (943)  
VILLAGE OF OAK BROOK  
DUPAGE COUNTY  
JOB NO: C-91-037-14

F.A.U. RTE. 1453	SECTION 13-00046-00-LS	COUNTY DU PAGE	TOTAL SHEETS 41	SHEET NO. 1
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT TE-00D1 (943)	
CONTRACT NO. 61A39				

+ 1 42  
SHEETS

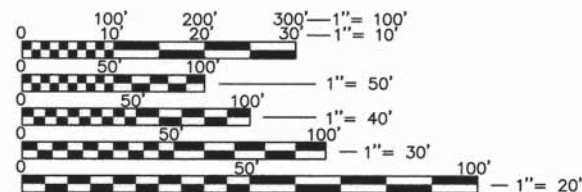


SEE SHEET 2 FOR INDEX SHEETS

**TRAFFIC DATA**

WEST 22ND STREET  
ADT = 29,700 VPD (2011)  
POSTED SPEED LIMIT = 40 MPH  
FUNCTIONAL CLASSIFICATION = MINOR ARTERIAL

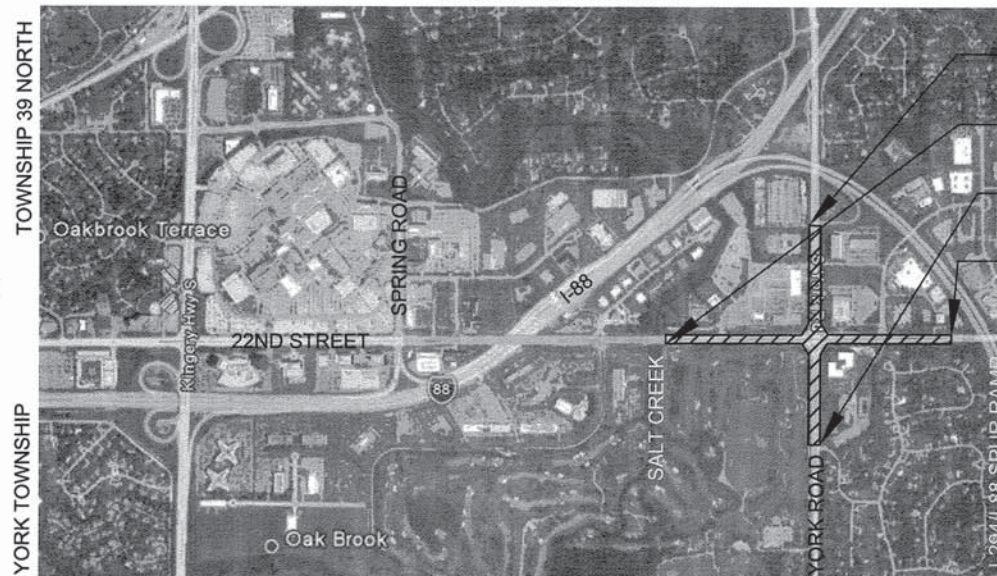
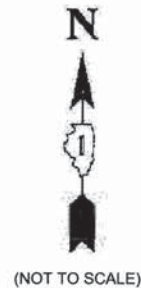
YORK ROAD  
ADT = 14,300 VPD (2011)  
POSTED SPEED LIMIT = 40 MPH  
FUNCTIONAL CLASSIFICATION = MINOR ARTERIAL



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.

**Call Before You Dig**  
**JULIE**  
ILLINOIS ONE-CALL SYSTEM

CONTACT JULIE 48 HOURS (2 WORKING DAYS) BEFORE YOU DIG AT 811 OR 800-892-0123 WITH THE FOLLOWING:  
COUNTY: DU PAGE  
VILLAGE: OAK BROOK  
TOWNSHIP: YORK



- PROJECT ENDS STA 132+80
- PROJECT BEGINS STA 2139+44
- PROJECT BEGINS STA 100+95
- PROJECT ENDS STA 2177+09

Professional Engineer Seal for John F. Mayer, P.E., License No. 062-043045, State of Illinois.

John F. Mayer, P.E.  
IL. P.E. NO. 062-047345  
Expires November 30, 2017

LOCATION MAP  
SCALE: 1" = 500'  
GROSS LENGTH OF IMPROVEMENT: 6,950 FEET (1.32 MILES)  
NET LENGTH OF IMPROVEMENT: 6,950 FEET (1.32 MILES)



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED *[Signature]* 20 15  
December 7  
VILLAGE REPRESENTATIVE

PASSED *[Signature]* DEC 28 20 15  
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW *[Signature]* DECEMBER 30, 20 15  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

CONTRACT NO. 61A39

HDG PROJECT NO: 03-0745-014-01-06

DATE: 12-07-2015

FEDERAL AID PROGRAM ENGINEER: FAWAD AQUEEL, P.E. 847-705-4021 SCHAUMBURG, IL



## INDEX OF SHEETS

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1	COVER SHEET
2	INDEX OF SHEETS GENERAL NOTES, AND HIGHWAY STANDARDS
3	SUMMARY OF QUANTITIES
4	EXISTING CONDITIONS
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12-14	GRADING PLAN
15-17	LAYOUT AND MATERIALS PLAN
18-21	CONSTRUCTION DETAILS
22-24	LANDSCAPE PLAN
25	LANDSCAPE DETAILS AND NOTES
26-27	IRRIGATION PLAN
28-29	IRRIGATION DETAILS AND NOTES
30	LIGHTING PLAN GENERAL NOTES AND SCHEDULE
31-37	LIGHTING PLAN
38-40	LIGHTING DETAILS
41	DISTRICT 1 DETAILS

## HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
701101-04	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701427-03	LANE CLOSURE MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS < 40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIUM
701606-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIUM
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-04	TRAFFIC CONTROL DEVICES
814006-02	DOUBLE HANDHOLES
878001-10	CONCRETE FOUNDATION DETAILS

## GENERAL NOTES

1. THE CONTRACTOR SHALL CONTACT THE ENGINEER AND TRAFFIC CONTROL SUPERVISOR AT 847-705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
2. SPECIAL ATTENTION IS CALLED TO TRAFFIC REGULATION. TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES ON ALL ROADWAYS. CONTRACTOR SHALL FOLLOW ALL APPLICABLE STATE TRAFFIC REGULATIONS SHOWN ON STANDARD 701601-07 AND PROVIDE FLAGMEN DURING CONSTRUCTION ACTIVITIES AS NEEDED TO MAINTAIN TWO-WAY TRAFFIC.
3. CONTRACTOR TO HAVE LIMITED ACCESS FOR STORAGE OF EQUIPMENT AND/OR MATERIALS. STAGING OF EQUIPMENT AND/OR MATERIALS WITHIN RIGHT OF WAYS (R.O.W.) SHALL BE GRANTED ON A LIMITED BASIS TO ACCOMMODATE DAILY CONSTRUCTION ACTIVITIES WITH PRIOR APPROVAL BY THE ENGINEER. OVERNIGHT STORAGE IN R.O.W. IS PROHIBITED. CONTRACTOR MAY STORE MATERIALS AND EQUIPMENT AT THE VILLAGE OF OAK BROOK PUBLIC WORKS YARD LOCATED AT 3003 JORIE BOULEVARD WITH PRIOR APPROVAL FROM THE PUBLIC WORKS DIRECTOR (TEL. NO. 630-368-5270). STORAGE AT THE PUBLIC WORKS YARD IS AT CONTRACTOR'S RISK.
4. SIDEWALK CLOSURES SHALL BE GRANTED ON A LIMITED BASIS TO ACCOMMODATE DAILY CONSTRUCTION ACTIVITIES WITH PRIOR APPROVAL BY THE ENGINEER. SIDEWALK CLOSURES, IF NECESSARY, SHALL BE LIMITED TO ONE SIDE OF THE STREET AT A TIME. CONTRACTOR SHALL FOLLOW IDOT STANDARD 701801-05 TO REDIRECT PEDESTRIAN TRAFFIC ACCORDINGLY.
5. DAILY LANE CLOSURES WILL BE ALLOWED ONLY ON WEEKDAYS BETWEEN THE HOURS OF 9:00 AM AND 3:00 PM. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 701901-03, 701801-05, 701601-09, AND 701701-08.
6. VERIFY SITE CONDITIONS AND INFORMATION ON DRAWINGS. PROMPTLY REPORT ANY CONCEALED CONDITIONS, MISTAKES, DISCREPANCIES OR DEVIATIONS FROM THE INFORMATION SHOWN IN THE CONTRACT DOCUMENTS. THE DEPARTMENT IS NOT RESPONSIBLE FOR UNAUTHORIZED CHANGES OR EXTRA WORK REQUIRED TO CORRECT UNREPORTED DISCREPANCIES.
7. CONTRACTOR TO PROVIDE FOR AT LEAST ONE LANE OF TRAFFIC BOTH EAST-BOUND AND WEST-BOUND ON 22ND STREET AT ALL TIMES DURING CONSTRUCTION. ALL WORK ZONE TRAFFIC CONTROLS WILL CONFORM TO IDOT SECTION 700 WORK ZONE TRAFFIC CONTROL STANDARDS. OVERNIGHT LANE CLOSURES ARE PROHIBITED UNLESS WRITTEN PERMISSION IS OBTAINED FROM THE ENGINEER. SEE TRAFFIC CONTROL STANDARDS FOR MORE DETAILS.
8. THE CONTRACTOR WILL BE REQUIRED TO DISPOSE OF ALL MATERIALS EXCAVATED OR REMOVED DUE TO CONSTRUCTION OPERATIONS. ALL EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM SITE ON THE DAY IT IS EXCAVATED. HAULING OR TRUCKING THE MATERIAL TO LOCATIONS, SHALL BE PROVIDED BY THE CONTRACTOR, OUTSIDE THE LIMITS OF IMPROVEMENT. THIS WORK SHALL BE INCLUDED IN THE COST OF THE REMOVED ITEMS.
9. ALL SAW CUTS REQUIRED FOR REMOVAL ITEMS SHALL BE INCLUDED IN THE COST OF THAT ITEM. ALL SAW CUTS FOR PROPOSED ITEMS SHALL BE INCLUDED IN THE COST OF THAT ITEM.
10. VILLAGE OF OAK BROOK WILL PROVIDE THE CONTRACTOR WITH WATER AND WATER METER, AND BATHROOM FACILITIES AT THE PUBLIC WORKS YARD LOCATED AT 3003 JORIE BOULEVARD.

NOTE:  
BOXED NOTES INDICATE ITEMS OF WORK THAT ARE INCLUDED IN THE COST OF ANOTHER PAY ITEM.



DESIGNED - MEU	REVISED -
DRAWN - BLG, SMM	REVISED -
CHECKED - TCK	REVISED -
DATE - 12-29-2015	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, GENERAL NOTES,  
AND HIGHWAY STANDARDS

SCALE: N/A

PROJECT - 03-0745-014-01-06

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	13-00046-00-LS	DUPAGE	41	2
CONTRACT NO. 61A39				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-001 (943)				



# SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL	CONSTRUCTION TYPE CODES	
				0031 URBAN	0031 URBAN
Δ 20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	24		24
Δ 20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	30		30
20200100	EARTH EXCAVATION	CU YD	1235		1235
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	618		618
Δ 21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	860		860
Δ 21101665	TOPSOIL FURNISH AND PLACE, 18"	SQ YD	1010		1010
Δ 21101685	TOPSOIL FURNISH AND PLACE, 24"	SQ YD	352		352
Δ 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	25		25
Δ 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	25		25
Δ 25000600	POTASSIUM FERTILIZER NUTRIENTS	POUND	25		25
Δ 25200110	SODDING, SALT TOLERANT	SQ YD	935		935
Δ 25200200	SUPPLEMENTAL WATERING	UNIT	12		12
35101400	AGGREGATE BASE COURSE, TYPE B	TON	177		177
44000100	PAVEMENT REMOVAL	SQ YD	20		20
60100080	FRENCH DRAINS	CU YD	8		8
60100085	GEOTECHNICAL FABRIC FOR FRENCH DRAINS	SQ YD	48		48
60109510	PIPE UNDERDRAINS, FABRIC LINED TRENCH 4"	FOOT	2948		2948
60603451	PRECAST CONCRETE CURB	FOOT	575		575
67100100	MOBILIZATION	L SUM	1		1
Δ 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1600		1600
Δ 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1		1
Δ 66900530	SOIL DISPOSAL ANALYSIS	EACH	3		3
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1		1
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1		1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1		1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1		1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	80		80
Δ 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	94		94
Δ 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2-1/2" DIA.	FOOT	714		714
Δ 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	361		361
Δ 81400100	HANDHOLE	EACH	2		2
Δ 81803035	UNIT DUCT, 600V, 2-1C NO.6 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	554		554
Δ 81803102	UNIT DUCT, 600V, 4-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. HDPE	FOOT	5945		5945
Δ 81803178	UNIT DUCT, 600V, 6-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE	FOOT	3660		3660
Δ 81803598	UNIT DUCT, 600V, 6-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	6221		6221
Δ 82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	8		8
Δ 83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	532		532
Δ XX009090	REMOVAL OF LUMINAIRE, SALVAGE	EACH	10		10

Δ SPECIALTY ITEMS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES	
				0031 URBAN	0031 URBAN
Δ 84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	83		83
Δ 84200804	REMOVAL OF POLE FOUNDATION	EACH	83		83
Δ A2000118	TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 3" CALIPER, BALLED AND BURLAPPED	EACH	7		7
Δ A2002924	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 3" CALIPER, BALLED AND BURLAPPED	EACH	9		9
Δ A2004515	TREE, GINKGO BILOBA AUTUMN GOLD (AUTUMN GOLD GINKGO), 3" CALIPER, BALLED AND BURLAPPED	EACH	17		17
Δ A2004824	TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 3" CALIPER, BALLED AND BURLAPPED	EACH	14		14
Δ A2005042	TREE, GYMNOCLADUS DIOICUS EXPRESSO- JFS (EXPRESSO KENTUCKY COFFEETREE), 3" CALIPER, BALLED AND BURLAPPED	EACH	10		10
Δ A2006524	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 3" CALIPER, BALLED AND BURLAPPED	EACH	4		4
Δ A2007122	TREE, QUERCUS RUBRA (RED OAK), 3" CALIPER, BALLED AND BURLAPPED	EACH	4		4
Δ A2008124	TREE, TILIA CORDATA GREENSPIRE (GREENSPIRE LITTLE LEAF LINDEN), 3" CALIPER, BALLED AND BURLAPPED	EACH	9		9
Δ A2008517	TREE, ULMUS JAPONICA X WILSONIANA MORTON, (ACCOLADE ELM), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	15		15
Δ B2000769	TREE, AMELANCHIER X GRANDIFLORA AUTUMN BRILLIANCE (AUTUMN BRILLIANCE SERVICE BERRY), 8' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	5		5
Δ B2001167	TREE, CERCIIS CANADENSIS (EASTERN REDBUD), 8' HEIGHT, BALLED AND BURLAPPED	EACH	5		5
Δ B2006370	TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 8' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	10		10
Δ C2003930	SHRUB, ILEX VERTICILLATA JIM DANDY (JIM DANDY WINTERBERRY), 2' HEIGHT, BALLED AND BURLAPPED	EACH	6		6
Δ C2003936	SHRUB, ILEX VERTICILLATA WINTER RED (WINTER RED WINTERBERRY), 3' HEIGHT, BALLED AND BURLAPPED	EACH	62		62
Δ C2C03724	SHRUB, HYPERICUM KALMIANUM (KALM ST. JOHNSWORT), 2' HEIGHT, CONTAINER	EACH	34		34
Δ C2C06402	SHRUB, ROSA AMBER ROSE (AMBER ROSE FLOWER CARPET ROSE) 24" HEIGHT, CONTAINER	EACH	112		112
Δ C2C09918	SHRUB, SPIREA X BUMALDA GOLDFLAME (GOLD FLAME BUMALD SPIREA), 18" HEIGHT, CONTAINER	EACH	82		82
Δ D2015401	EVERGREEN, JUNIPERUS CHINENSIS KALLAYS COMPACTA, (KALLAY COMPACT JUNIPER), 24" WIDTH, BALLED AND BURLAPPED	EACH	44		44
Δ K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	34.59		34.59
Δ K1001988	IRRIGATION SYSTEM SPECIAL	L SUM	1		1
Δ X0326146	SOIL CONDITIONER	SQ YD	2528		2528
Δ X8300001	LIGHT POLE, SPECIAL	EACH	29		29
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	135		135
X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	9138		9138
X4240460	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH, SPECIAL	SQ FT	720		720
Δ X5620035	WATER SERVICE CONNECTION 1 1/2"	EACH	1		1
XX003668	PRECONSTRUCTION VIDEO TAPING	L SUM	1		1
Δ XX007797	LUMINAIRE, (SPECIAL)	EACH	78		78
Z0013798	CONSTRUCTION LAYOUT	L SUM	1		1
Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	5		5
Δ Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	4		4
Z0076870	UNDERDRAIN CONNECTION TO STRUCTURE	EACH	4		4
Δ XX009090	LIGHT POLE, SPECIAL, WITH BANNER ARMS	EACH	47		47
Δ XX009091	HOLIDAY SUB LIGHTING PANEL ASSEMBLY	EACH	2		2

P:\ARCHIVES\PROJECTS\700\S\0745-VILLAGE OF OAK BROOK\014-22ND STREET STAGE 2 TIEP ENHANCEMENTS\H GRAPHICS\05-BD-CD\02-03-QUANTITIES-NOTES.DWG 3  
 Plotted: 19.01.2016 By: ATRIMBLE  
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DESIGNED - MEU	REVISED -
DRAWN - BLG, SMM	REVISED -
CHECKED - TCK	REVISED -
DATE - 01-20-2016	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

## SUMMARY OF QUANTITIES

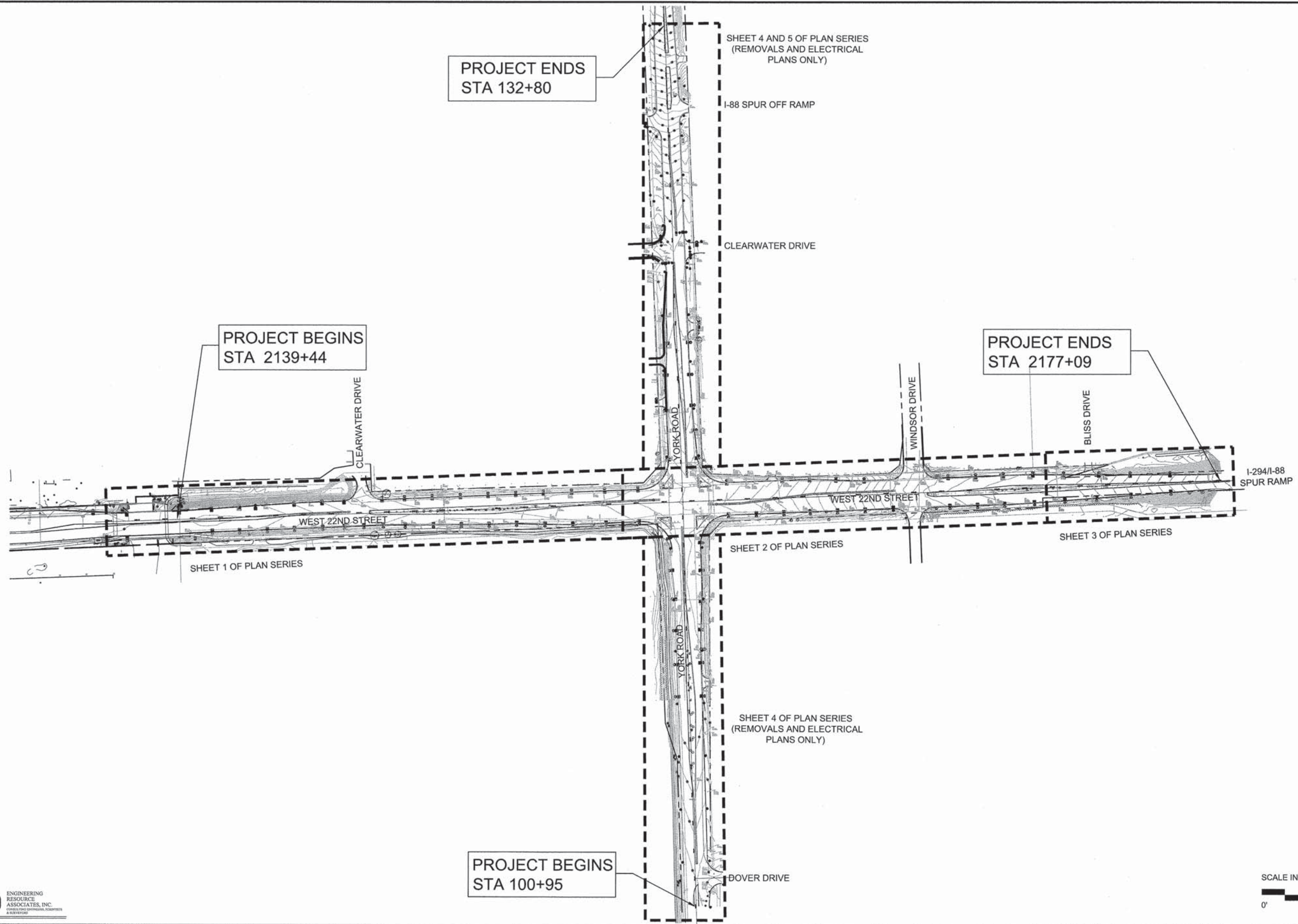
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	13-00046-00-LS	DUPAGE	41	3
FED. ROAD DIST. NO. 1			ILLINOIS FED. AID PROJECT TE-001 (043)	

CONTRACT NO. 61A39



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 Plotted: 07/12/2015 By: ATRIMBLE  
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DESIGNED - MEU	REVISED -
DRAWN - BLG, SMM	REVISED -
CHECKED - TCK	REVISED -
DATE - 12-07-2015	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

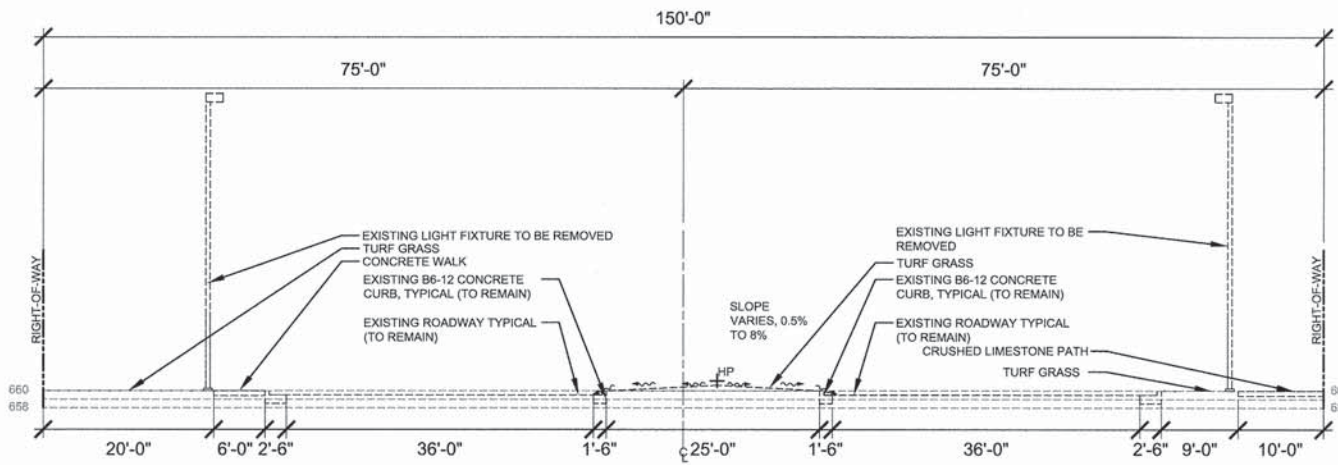
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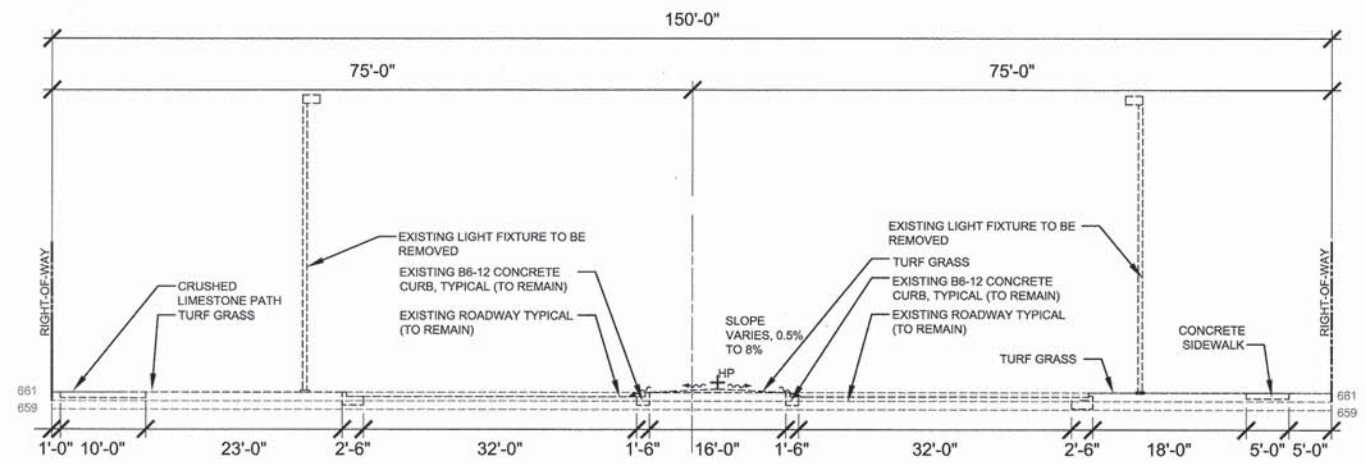
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1453	13-00046-00-LS	DUPAGE	41	4
CONTRACT NO. 61A39				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	TE-00D1 (843)	



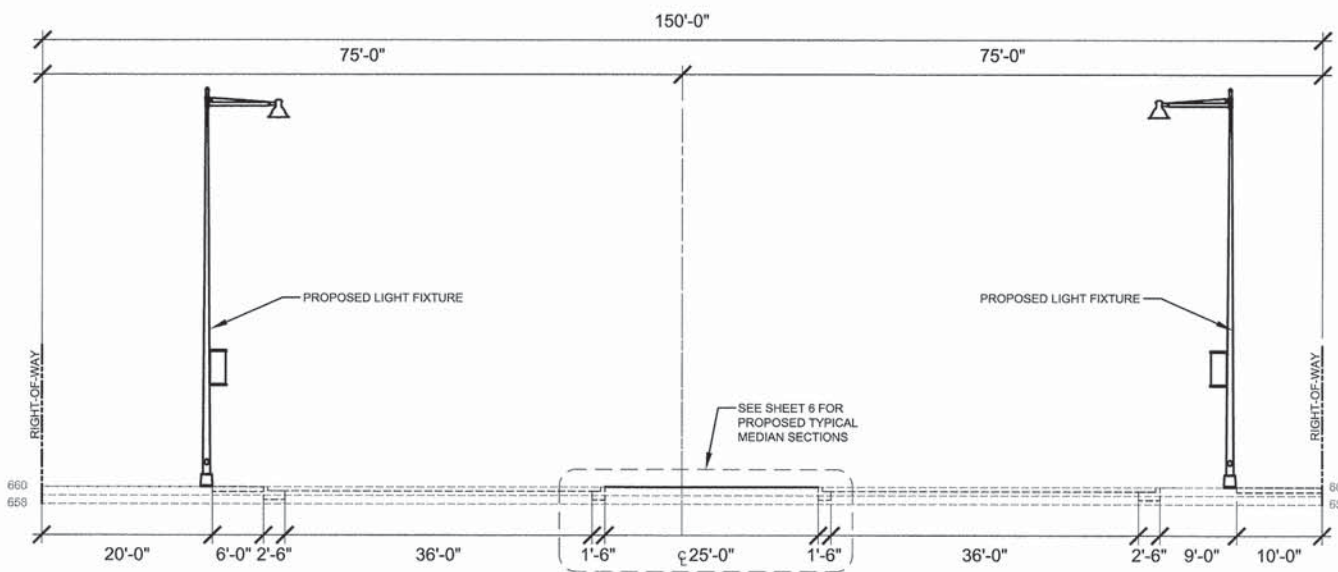
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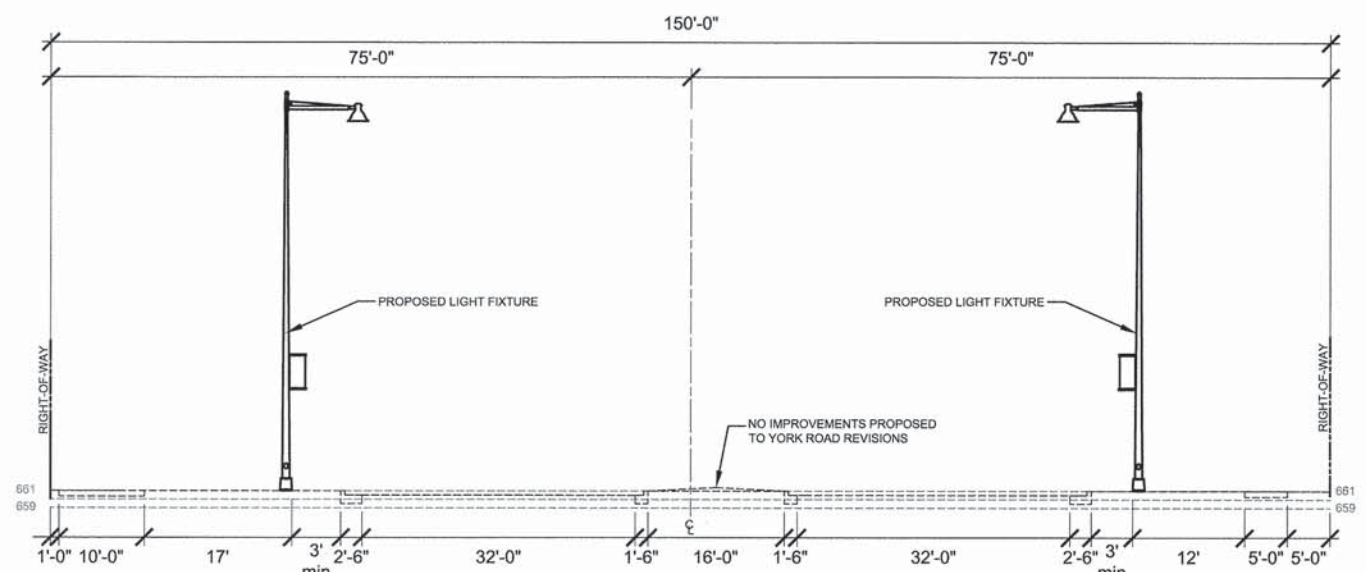
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 NOT TO SCALE



**3** EXISTING TYPICAL SECTION NO. 3 (YORK ROAD)  
 NOT TO SCALE



**2** PROPOSED TYPICAL SECTION NO. 2 (22ND STREET)  
 NOT TO SCALE



**4** PROPOSED TYPICAL SECTION NO. 4 (YORK ROAD)  
 NOT TO SCALE



DESIGNED - MEU	REVISED -
DRAWN - BLG, SMM	REVISED -
CHECKED - TCK	REVISED -
DATE - 12-07-2015	REVISED -

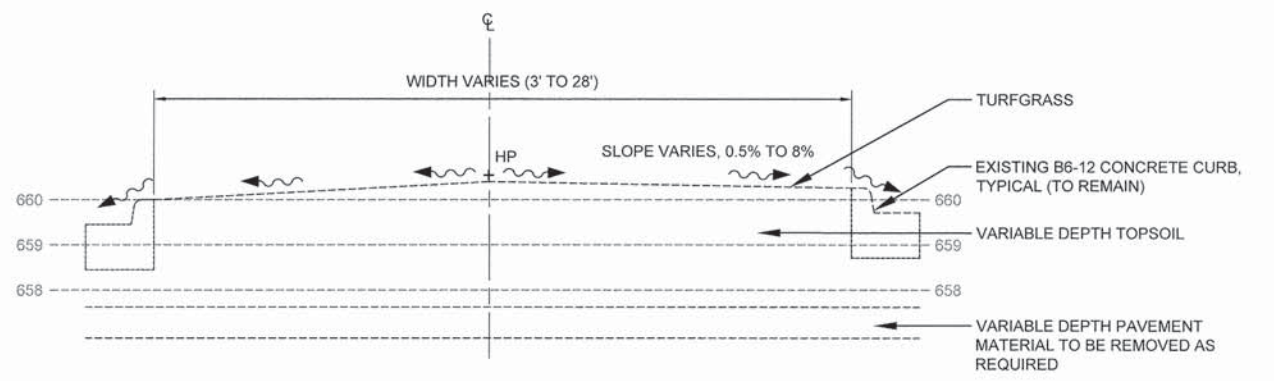
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

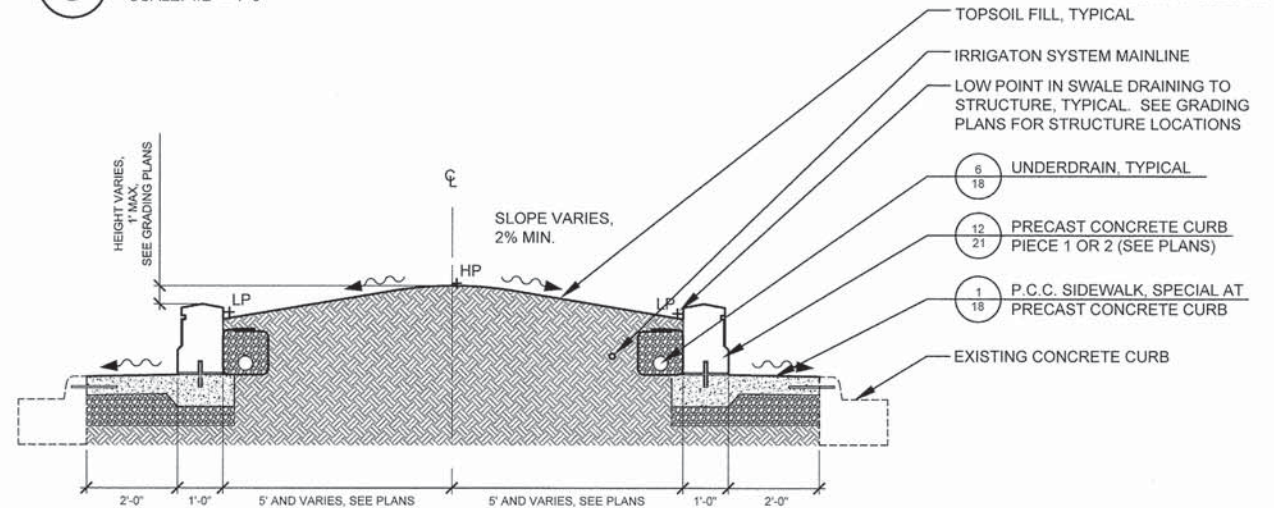
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	13-00046-00-LS	DUPAGE	41	5
CONTRACT NO. 61A39				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-0001 (843)				





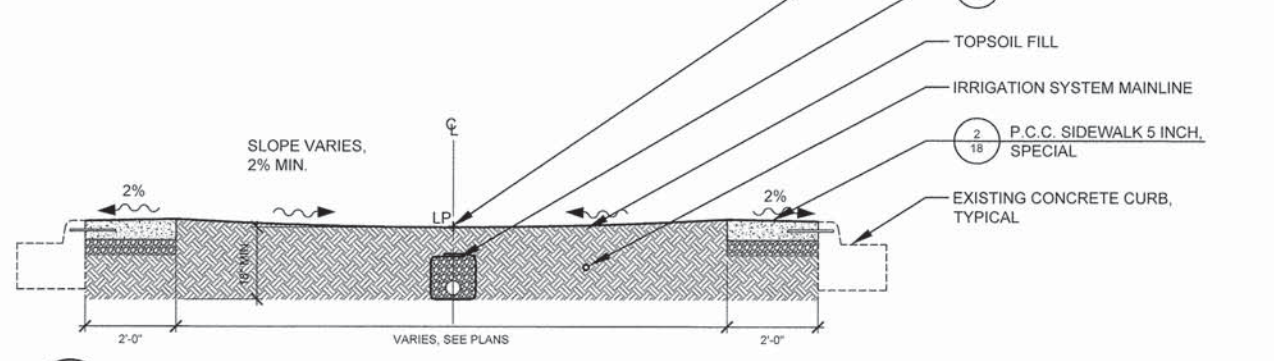
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 SCALE: 1/2" = 1'-0"  
 D-MEDIAN PROFILE-EXISTING



**6 PROPOSED TYPICAL MEDIAN SECTION NO. 6**  
 SCALE: 1/2" = 1'-0"  
 D-MEDIAN PROFILE A

**22ND STREET**  
 STA 2141+96.25 TO STA 2142+61.23  
 STA 2147+69.84 TO STA 2148+70.84  
 STA 2151+61.66 TO STA 2152+62.66  
 STA 2167+84.62 TO STA 2168+85.62  
 STA 2173+01.27 TO STA 2174+02.27

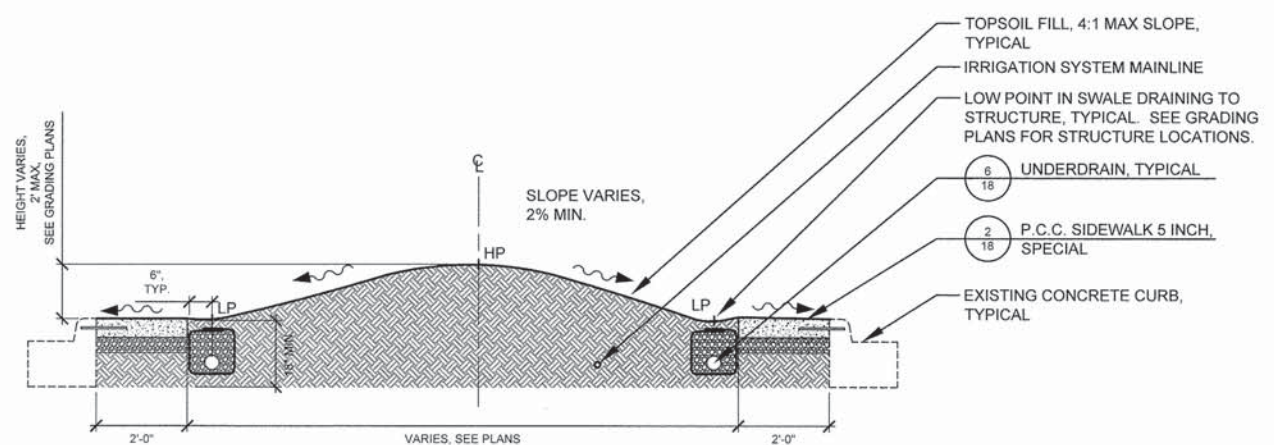
NO IMPROVEMENTS PROPOSED TO YORK ROAD MEDIANS.



**7 PROPOSED TYPICAL MEDIAN SECTION NO. 7**  
 SCALE: 1/2" = 1'-0"  
 D-MEDIAN PROFILE B

**22ND STREET**  
 STA 2141+65.83 TO STA 2141+96.25  
 STA 2142+61.23 TO STA 2142+92.55  
 STA 2152+62.66 TO STA 2154+05.17

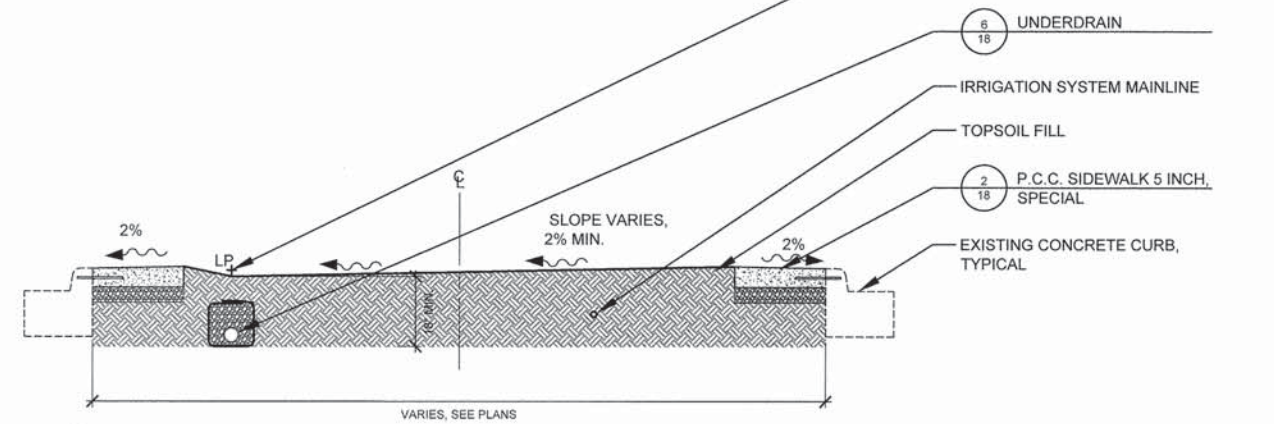
NO IMPROVEMENTS PROPOSED TO YORK ROAD MEDIANS.



**8 PROPOSED TYPICAL MEDIAN SECTION NO. 8**  
 SCALE: 1/2" = 1'-0"  
 D-MEDIAN PROFILE C

**22ND STREET**  
 STA 2148+70.84 TO STA 2151+61.66  
 STA 2168+85.62 TO STA 2173+01.27

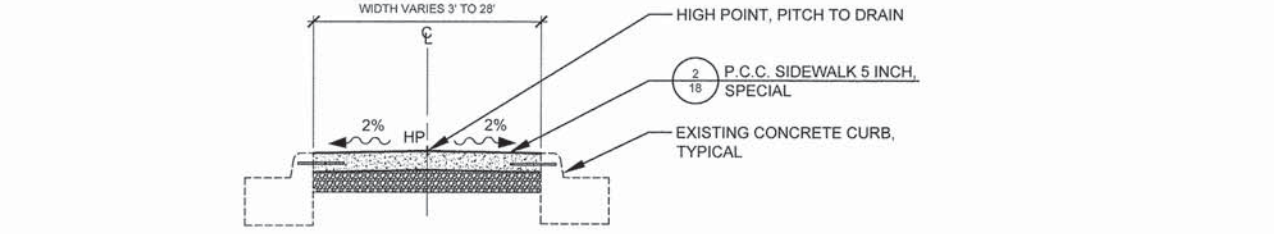
NO IMPROVEMENTS PROPOSED TO YORK ROAD MEDIANS.



**9 PROPOSED TYPICAL MEDIAN SECTION NO. 9**  
 SCALE: 1/2" = 1'-0"  
 D-MEDIAN PROFILE D

**22ND STREET**  
 STA 2146+46.24 TO STA 2147+69.84  
 STA 2166+56.03 TO STA 2167+84.62  
 STA 2174+02.27 TO STA 2174+74.89

NO IMPROVEMENTS PROPOSED TO YORK ROAD MEDIANS.



**10 PROPOSED TYPICAL SECTION NO. 10**  
 SCALE: 1/2" = 1'-0"  
 D-MEDIAN PROFILE E

**22ND STREET**  
 STA 2141+00.16 TO STA 2141+65.83  
 STA 2142+92.55 TO STA 2143+51.76  
 STA 2154+05.17 TO STA 2154+45.46  
 STA 2174+74.89 TO STA 2177+08.91

NO IMPROVEMENTS PROPOSED TO YORK ROAD MEDIANS.

P:\ARCHIVES\PROJECTS\700\S\0745-VILLAGE OF OAK BROOK\014-22ND STREET STAGE 2 TYP ENHANCEMENTS\H GRAPHICS\05-DD-CD\05-06-TYPICAL SECTIONS.DWG 06  
 Plot: 07/12/2015 By: ATRMB/LE  
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DESIGNED - MEU	REVISED -
DRAWN - BLG, SMM	REVISED -
CHECKED - TCK	REVISED -
DATE - 12-07-2015	REVISED -

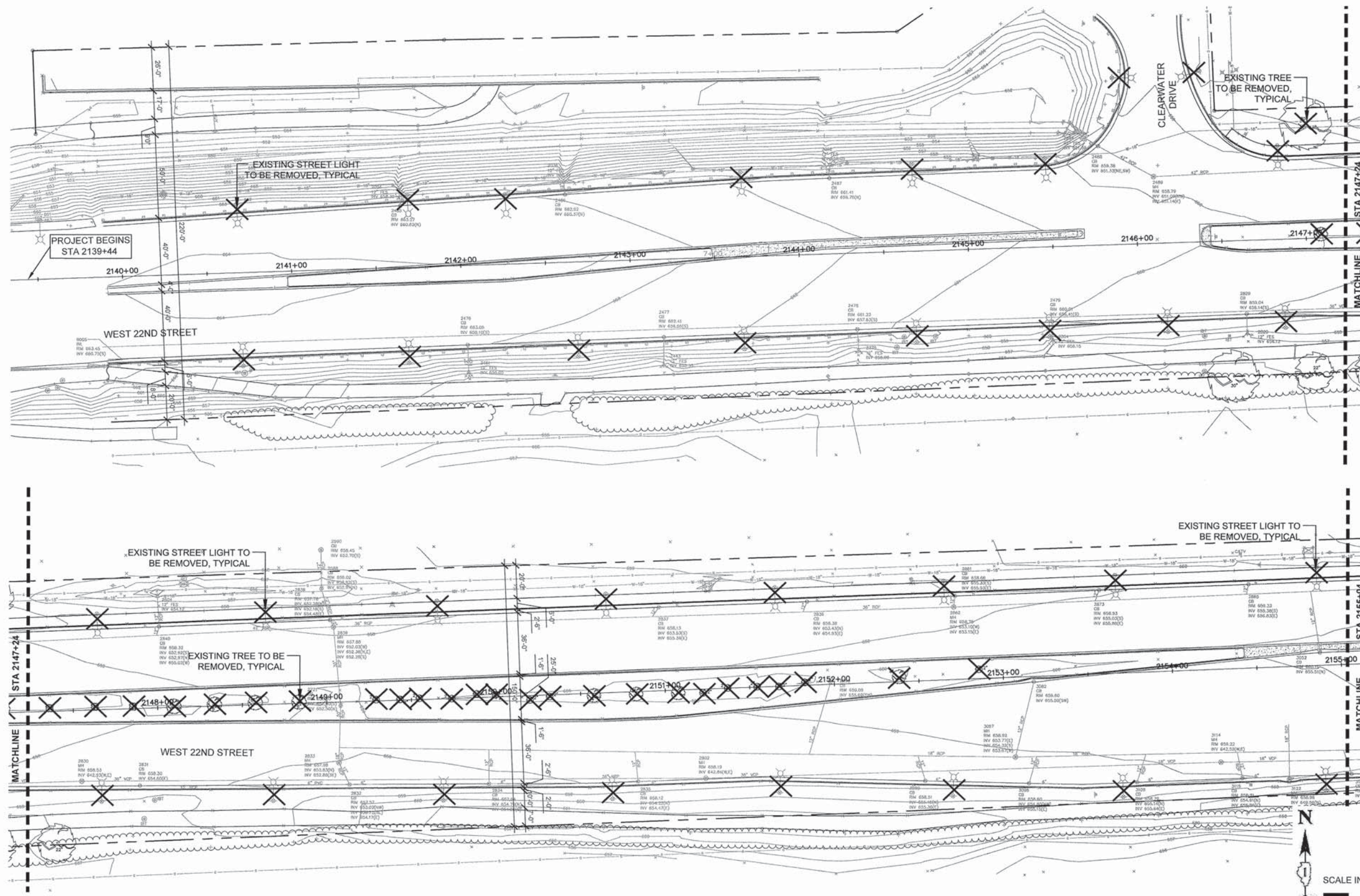
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS  
 SCALE: AS SHOWN PROJECT - 03-0745-014-01-06

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	13-00046-00-LS	DUPAGE	41	6
CONTRACT NO. 61A39				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-001 (843)				



P:\ARCHIVES\PROJECTS\700\S\0745-VILLAGE OF OAK BROOK\014-22ND STREET STAGE 2 TIEP ENHANCEMENTS\H GRAPHICS\05-DD-CD\07-11-REMOVALS PLAN.DWG 7  
 Plotfile: 07.12.2015 15:41:41 By: ATRM/BLE  
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**LEGEND**

X ITEM TO BE REMOVED



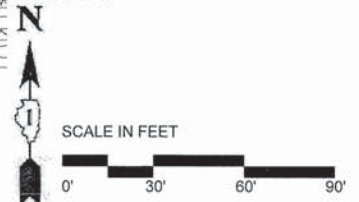
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DRAWN - BLG, SMM	REVISED -
CHECKED - TCK	REVISED -
DATE - 12-07-2015	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**REMOVALS PLAN**

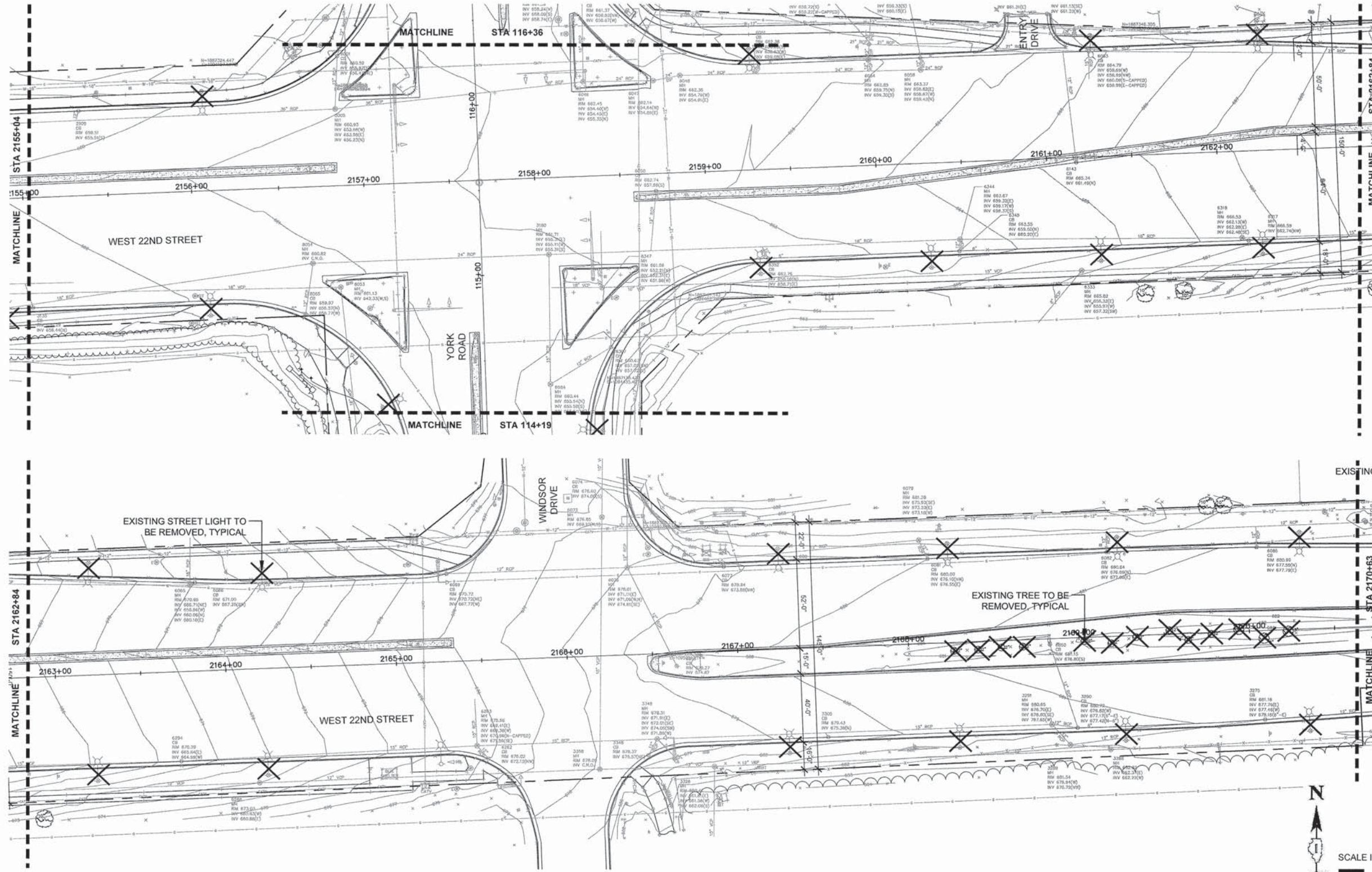
SCALE: 1" = 30'  
 PROJECT - 03-0745-014-01-06 STA. 2137+78.00 TO STA. 2205+28.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	13-00046-00-LS	DUPAGE	41	7
CONTRACT NO. 61A39				
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	TE-0001 (943)





P:\ARCHIVES\PROJECTS\700\S\0745-VILLAGE OF OAK BROOK\014-22ND STREET STAGE 2 TIEP ENHANCEMENTS\H GRAPHICS\05-00-CD\07-11-REMOVALS PLAN.DWG 8  
 Plotted: 07/12/2015 By: ATRMBLE  
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**LEGEND**

X ITEM TO BE REMOVED



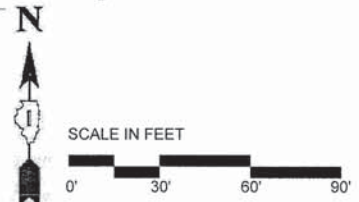
DESIGNED - MEU	REVISED -
DRAWN - BLG, SMM	REVISED -
CHECKED - TCK	REVISED -
DATE - 12-07-2015	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

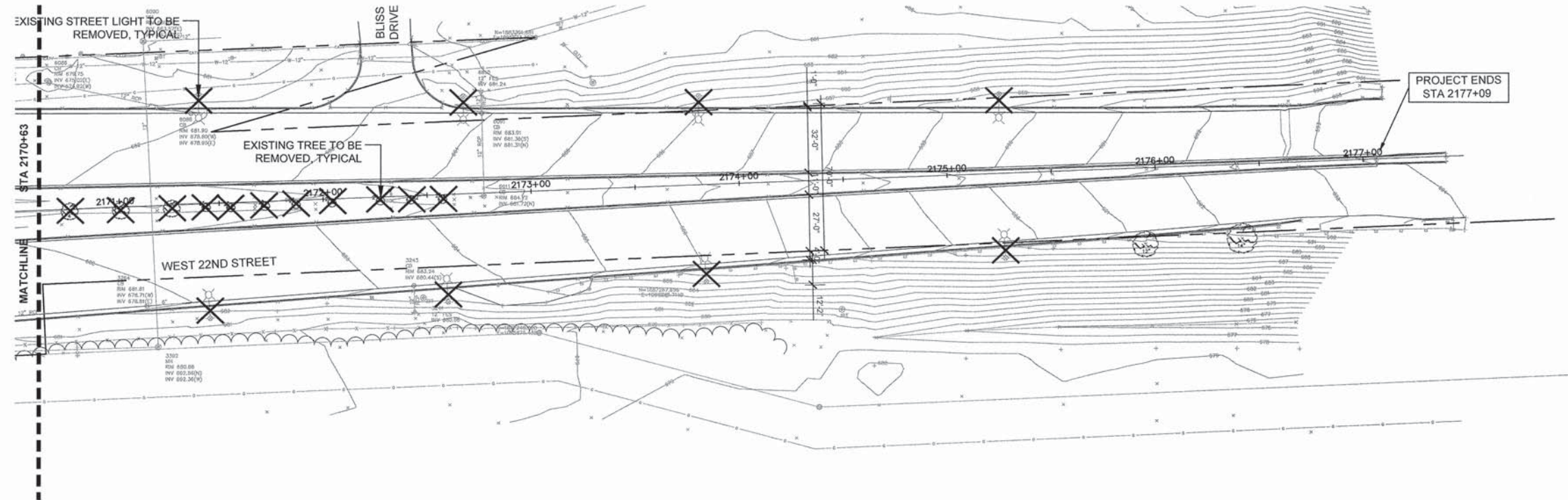
**REMOVALS PLAN**

SCALE: 1" = 30'  
 PROJECT - 03-0745-014-01-06 STA. 2137+78.00 TO STA. 2205+28.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	13-00046-00-LS	DUPAGE	41	8
CONTRACT NO. 61A39				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-0001 (843)				







**LEGEND**

X ITEM TO BE REMOVED

I-294/I-88 SPUR RAMP



P:\ARCHIVES\PROJECTS\700\S\0745-VILAGE OF OAK BROOK\014-22ND STREET STAGE 2 IEP ENHANCEMENTS\H GRAPHICS\05-DD-CD\07-11-REMOVALS PLAN.DWG 9  
 Plotted: 07.12.2015 By: ATRIMBLE  
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DRAWN - BLG, SMM	REVISED -
CHECKED - TCK	REVISED -
DATE - 12-07-2015	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**REMOVALS PLAN**

SCALE: 1" = 30' PROJECT - 03-0745-014-01-06 STA. 2137+78.00 TO STA. 2205+28.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	13-00046-00-LS	DUPAGE	41	9
CONTRACT NO. 61A39				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-0001 (943)				



P:\ARCHIVES\PROJECTS\700\0745-VILLAGE OF OAK BROOK\014-22ND STREET STAGE 2 TIEP ENHANCEMENTS\H GRAPHICS\05-DD-CD\07-11-REMOVALS PLAN.DWG 10  
 Plotted: 07/12/2015 By: ATRMBLE  
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DRAWN - BLG, SMM	REVISED -
CHECKED - TCK	REVISED -
DATE - 12-07-2015	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

REMOVALS PLAN

SCALE: 1" = 30'

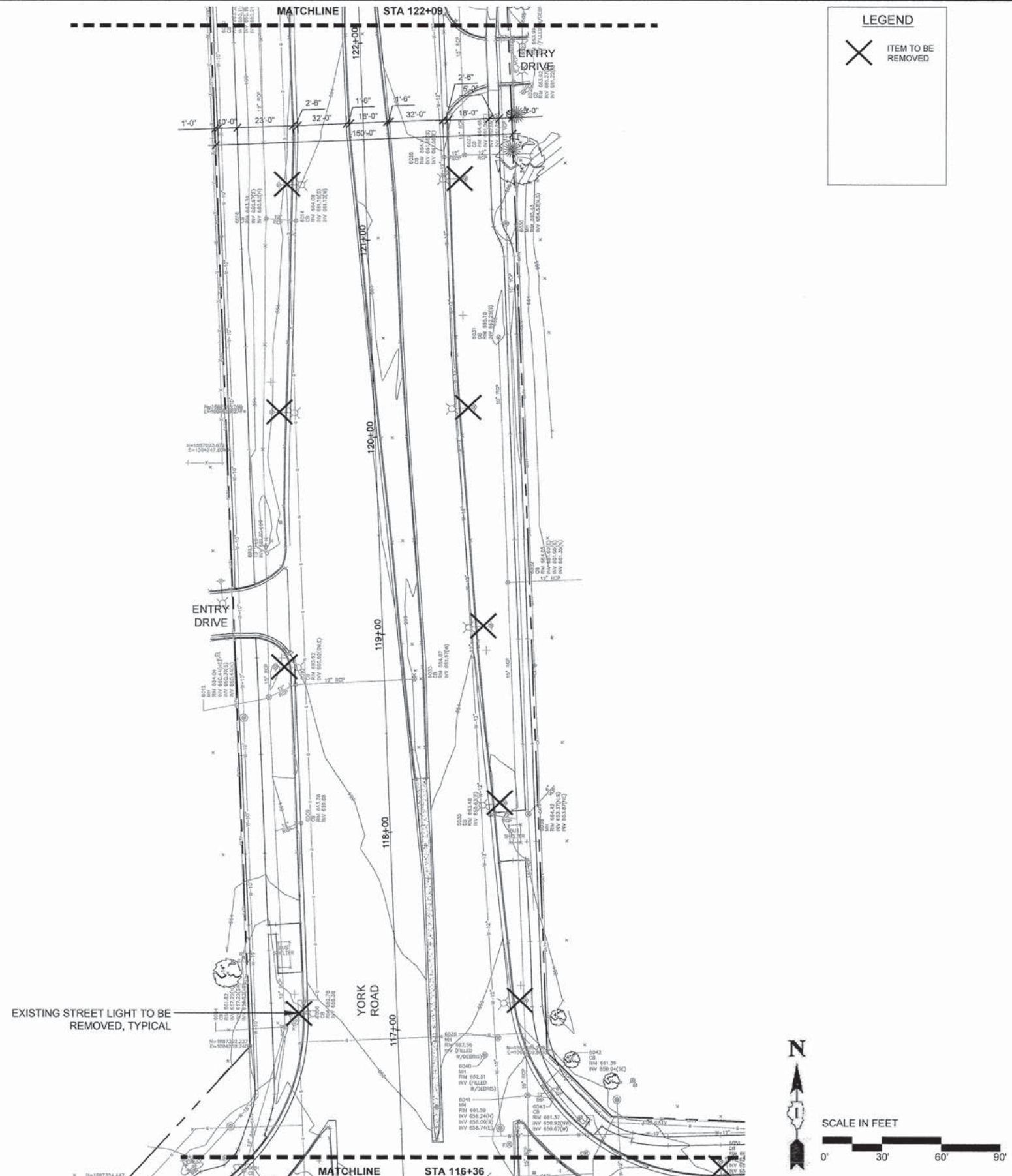
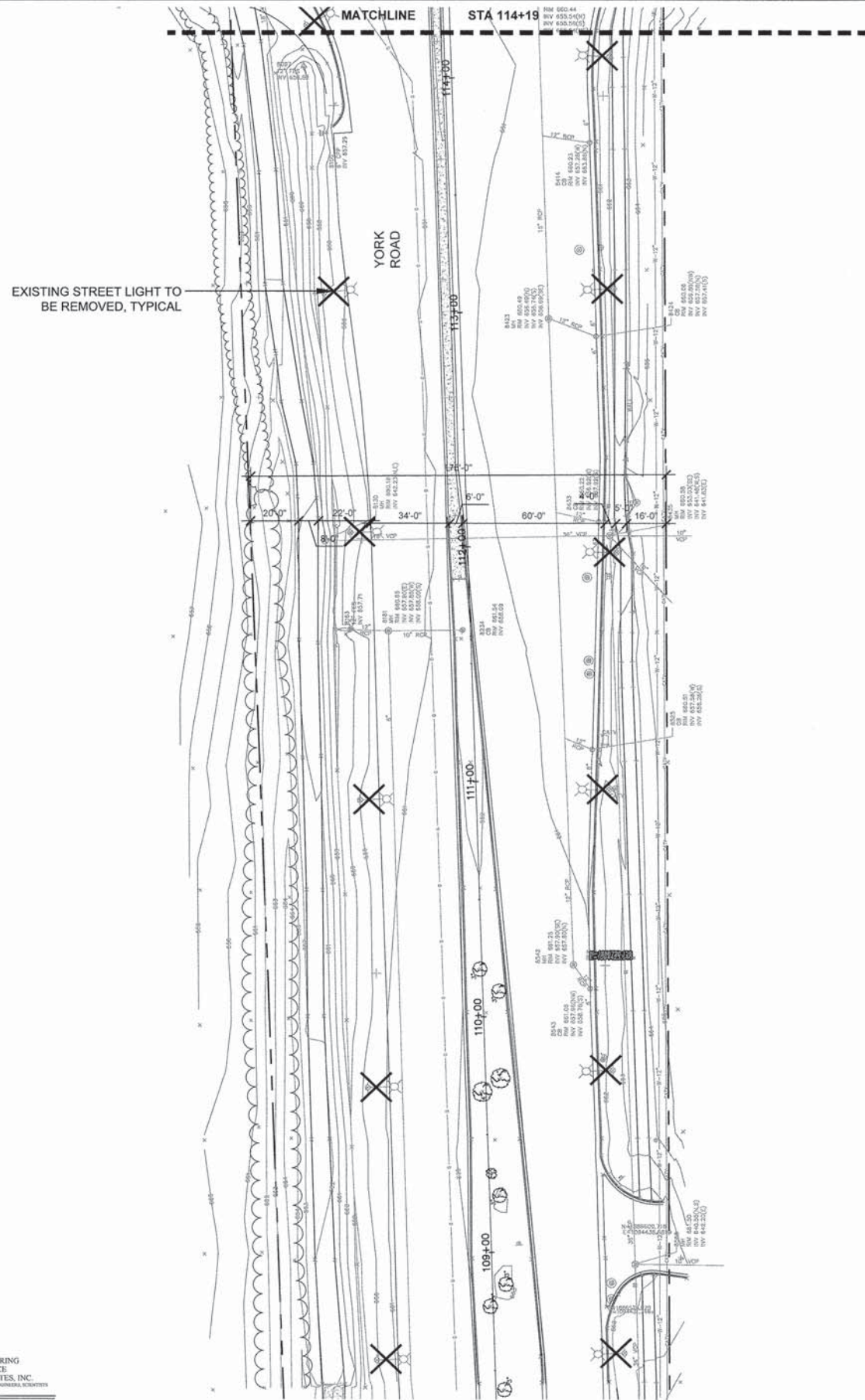
PROJECT - 03-0745-014-01-08 STA. 2137+78.00 TO STA. 2205+28.00

F A U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	13-00046-00-LS	DUPAGE	41	10
CONTRACT NO. 61A39				
FED. ROAD DIST. NO. 1			ILLINOIS FED. AID PROJECT TE-00D1 (843)	



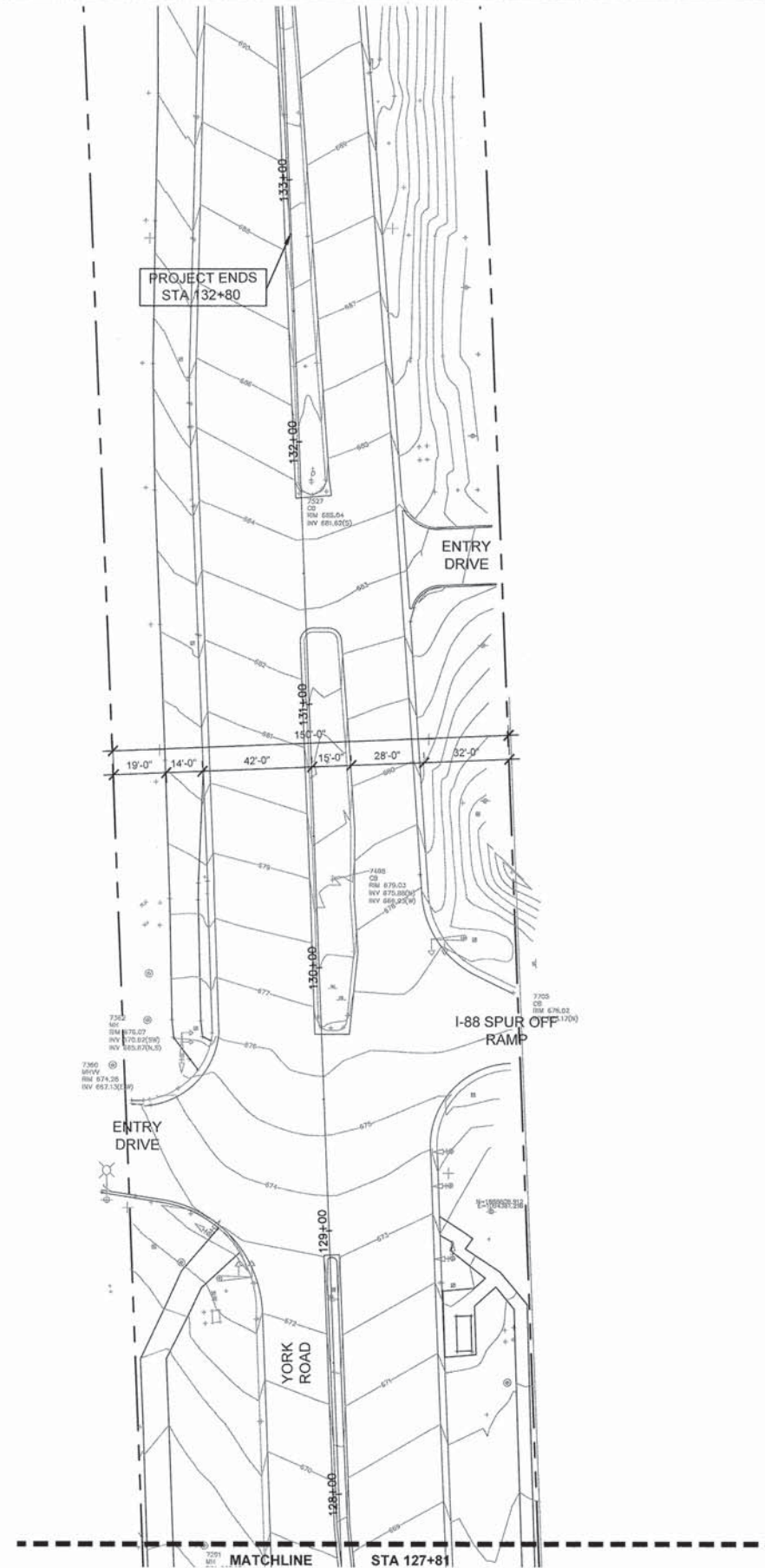
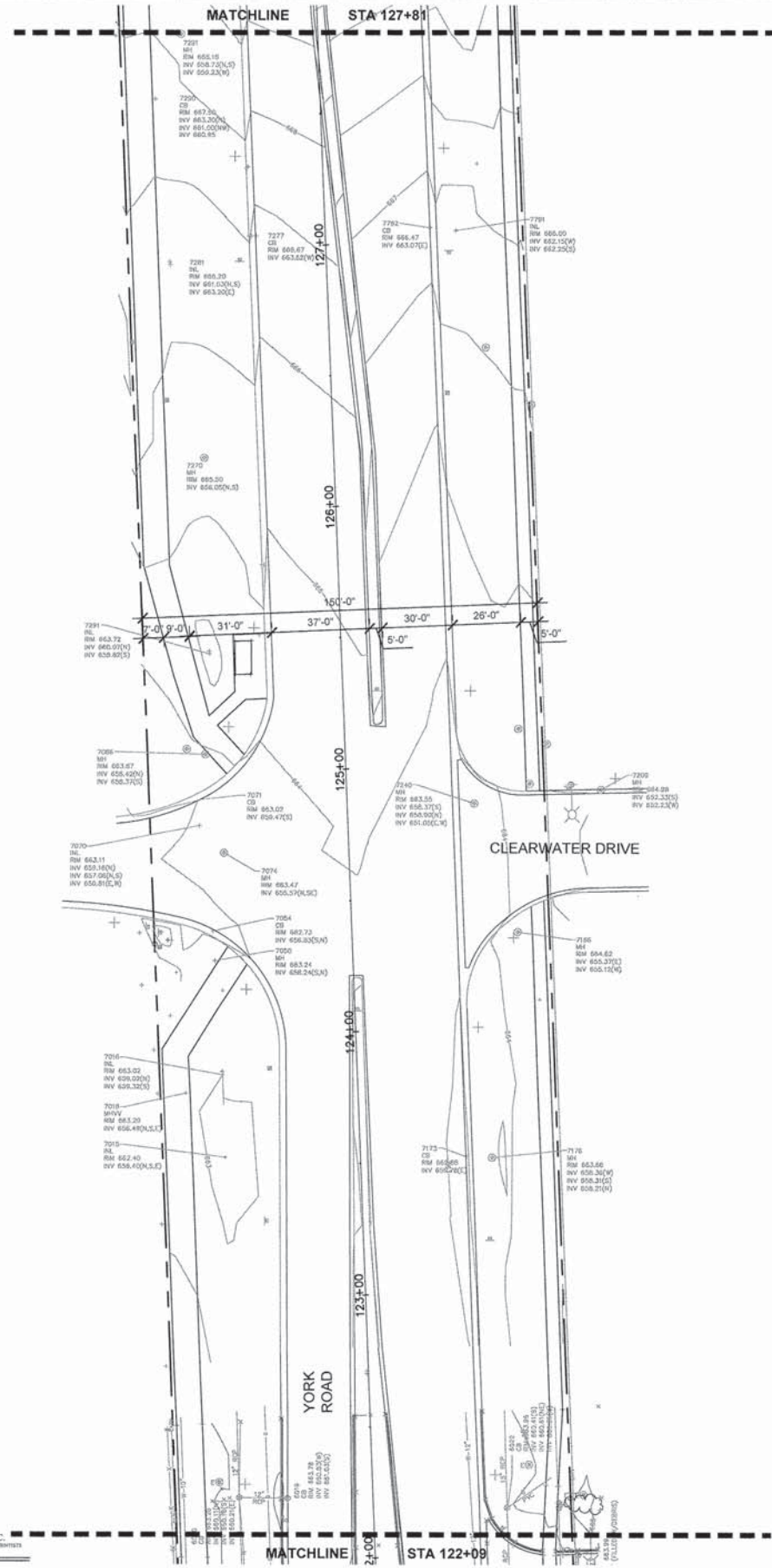
**LEGEND**

X ITEM TO BE REMOVED





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 Plotted: 07/12/2015 By: ATRIMBLE  
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**LEGEND**

X ITEM TO BE REMOVED



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CHECKED - TCK	REVISED -
DATE - 12-07-2015	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

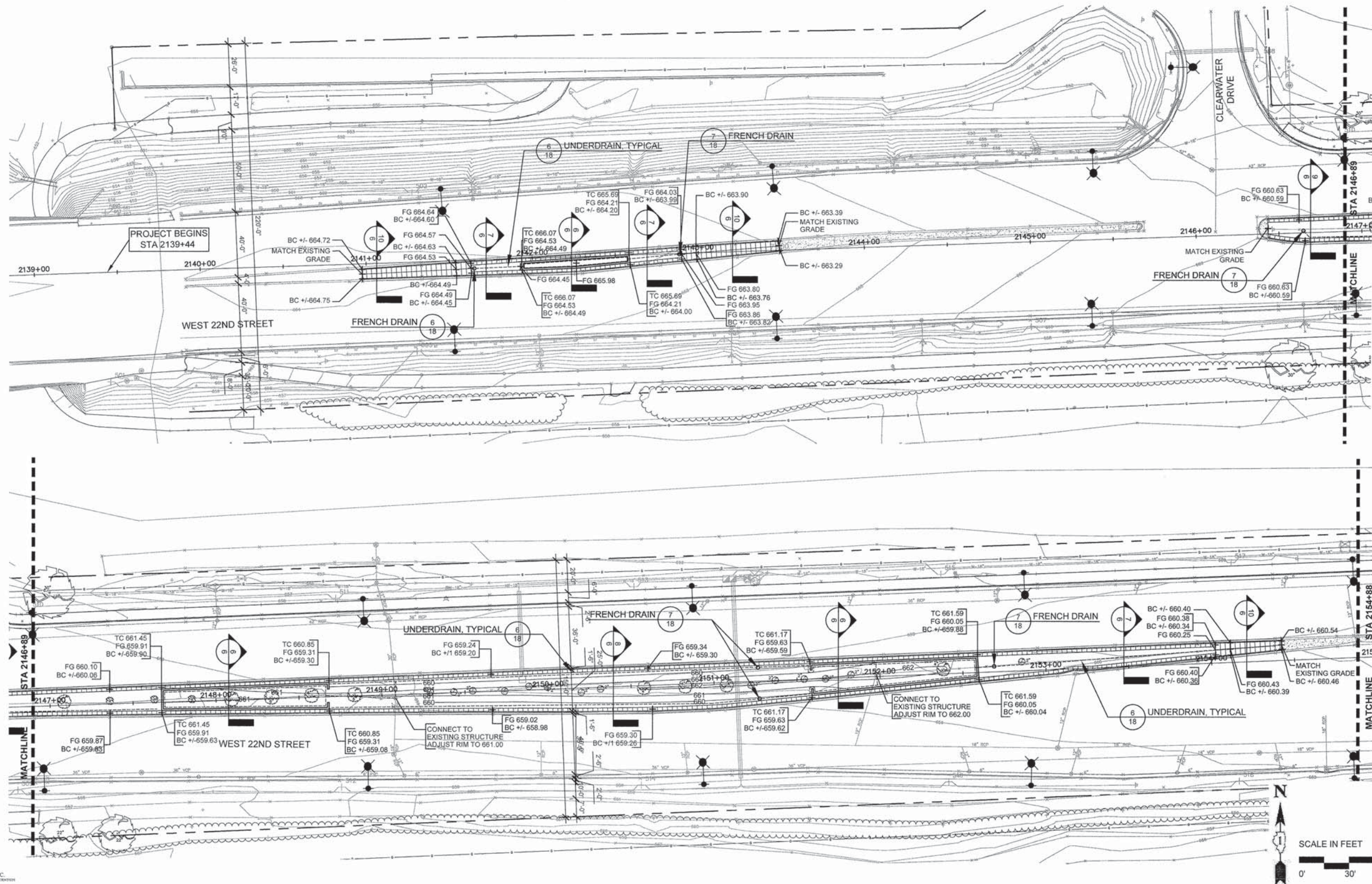
**REMOVALS PLAN**

SCALE: 1" = 30'  
 PROJECT - 03-0745-014-01-06 STA. 2137+78.00 TO STA. 2205+28.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	13-00046-00-LS	DUPAGE	41	11
CONTRACT NO. 61A39				
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	TE-001 (843)



P:\ARCHIVES\PROJECTS\700'S\0745-VILLAGE OF OAK BROOK\014-22ND STREET STAGE 2 (TEP ENHANCEMENTS)\H GRAPHICS\05-DD-CD\12-14-GRADING.DWG 12  
 Plot: 07/12/2015, 8:47 AM, B. ATTRIBILE  
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CHECKED - TCK	REVISED -
DATE - 12-07-2015	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

GRADING PLAN

SCALE: 1" = 30'

PROJECT - 03-0745-014-01-06 STA. 2137+78.00 TO STA. 2205+28.00

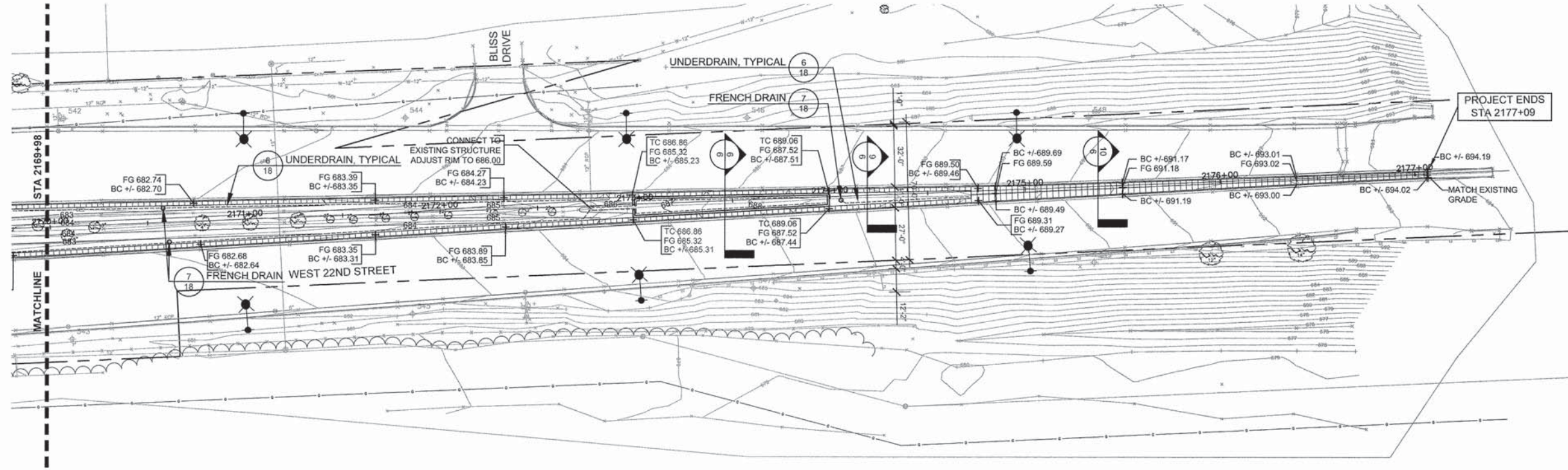
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	13-00046-00-LS	DUPAGE	41	12
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		TE-001 (943)
CONTRACT NO. 61A39				





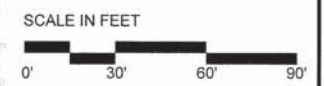


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 Plot: 07/12/2015 By: ATRMELE  
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**GRADING LEGEND**

- XX SPOT ELEVATION
- + HP XX HIGH POINT
- + LP XX LOW POINT
- FG XX FINISH GRADE
- + BC XX BACK OF CURB
- + TC XX TOP OF PRECAST CURB
- + ME XX MATCH EXISTING
- + INV XX INVERT ELEVATION
- + RIM XX RIM ELEVATION
- 2% DIRECTION OF DRAINAGE
- 90 CONTOUR (1 FOOT)
- 100 CONTOUR (5 FOOT)



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DRAWN - BLG, SMM	REVISED -
CHECKED - TCK	REVISED -
DATE - 12-07-2015	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

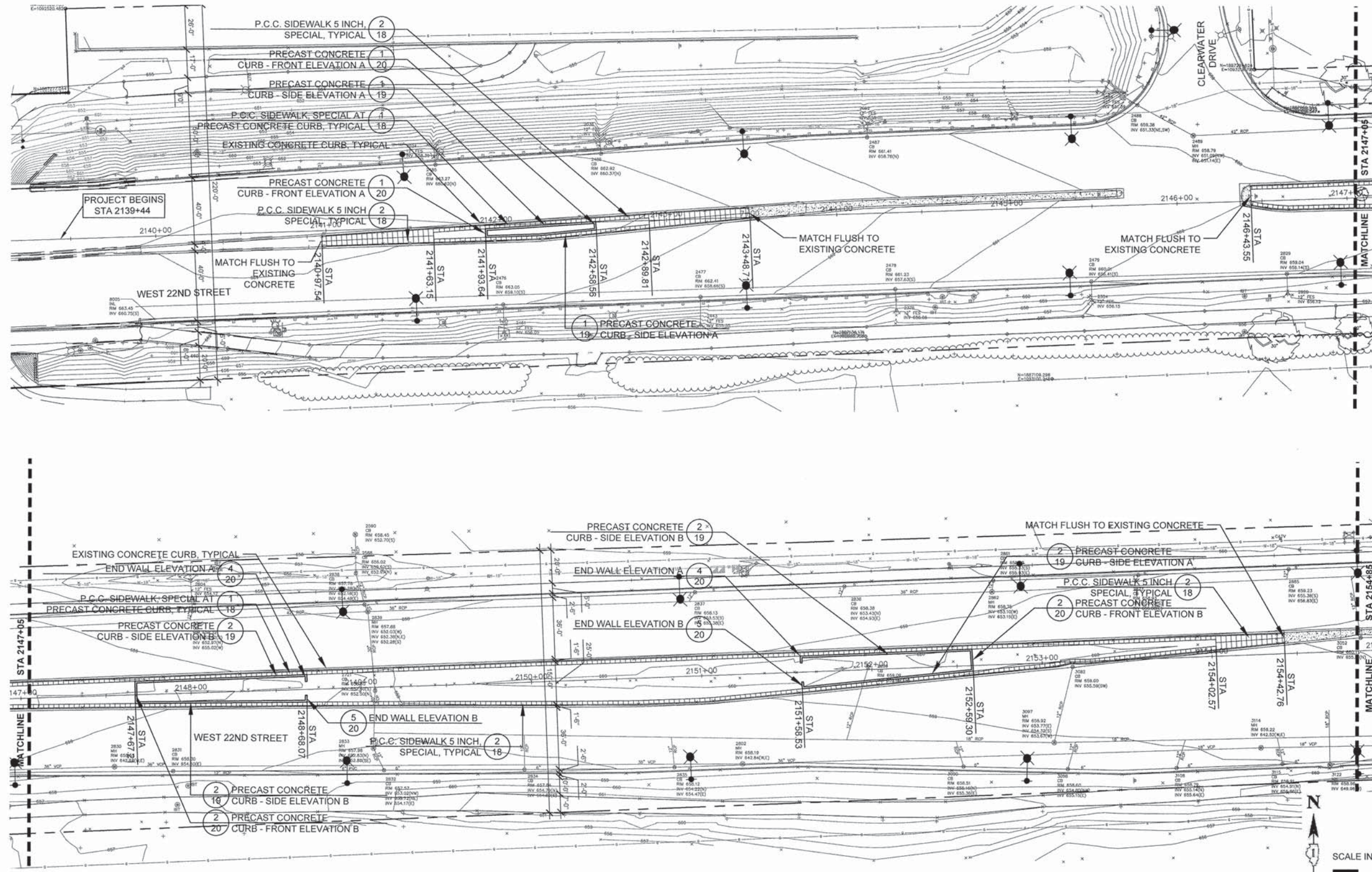
**GRADING PLAN**

SCALE: 1" = 30' PROJECT - 03-0745-014-01-06 STA. 2137+78.00 TO STA. 2205+28.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	13-00046-00-LS	DUPAGE	41	14
CONTRACT NO. 61A39				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-001(943)				



P:\ARCHIVES\PROJECTS\700\S\0745-VILLAGE OF OAK BROOK\014-22ND STREET STAGE 2 TIEP ENHANCEMENTS\H GRAPHICS\05-DD-CD\15-17-LAYOUT AND MATERIALS.DWG 15  
 Plotted: 07.12.2015 By: ATRIMBLE  
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DRAWN - BLG, SMM	REVISED -
CHECKED - TCK	REVISED -
DATE - 12-07-2015	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

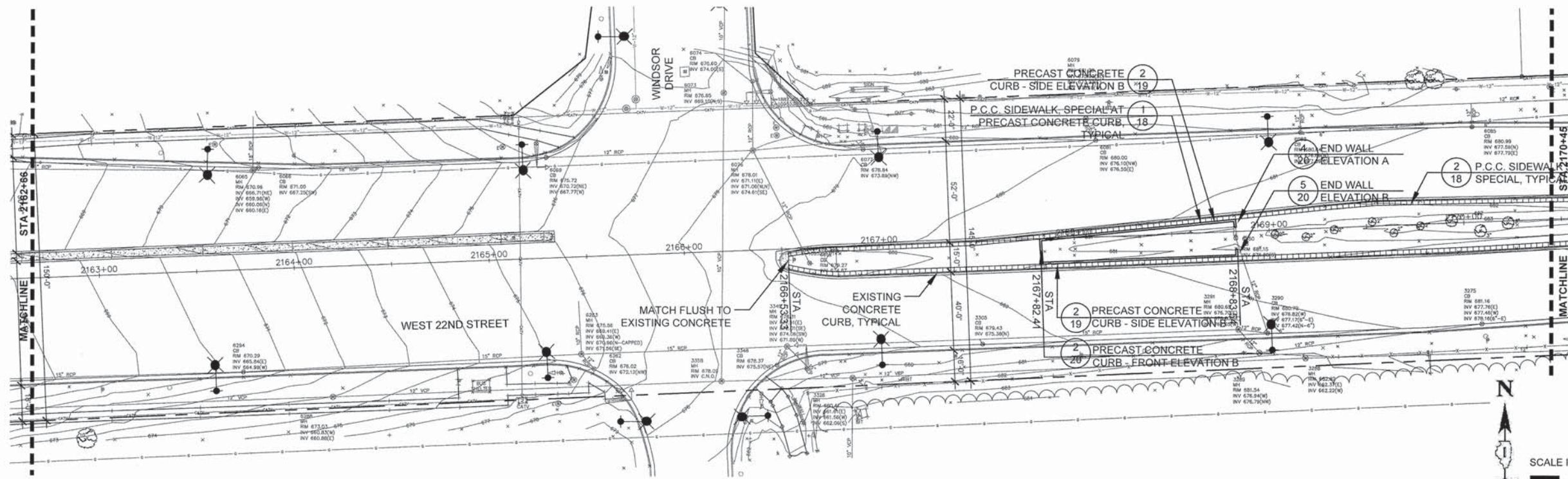
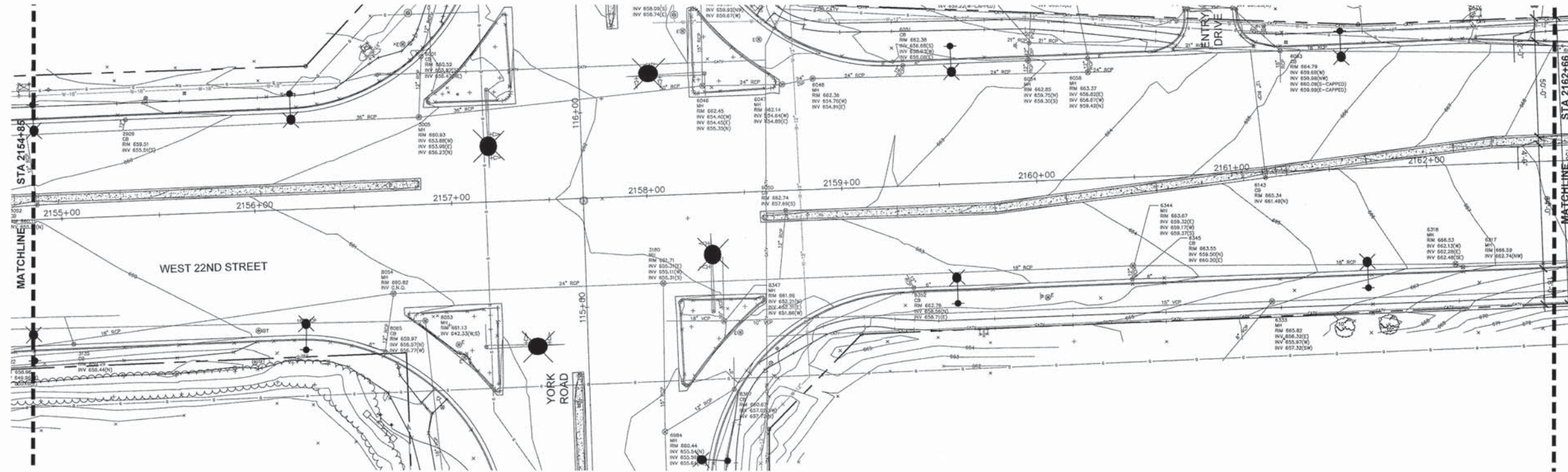
LAYOUT AND MATERIALS PLAN

SCALE 1" = 30'  
 PROJECT - 03-0745-014-01-05 STA. 2137+78.00 TO STA. 2205+28.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	13-00048-00-LS	DUPAGE	41	15
CONTRACT NO. 61A39				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-0001 (943)				



P:\ARCHIVES\PROJECTS\700\0745-VILLAGE OF OAK BROOK\014-22ND STREET STAGE 2 TIEP ENHANCEMENTS\H GRAPHICS\05-DD-CD\15-17-LAYOUT AND MATERIALS.DWG 16  
 Plotfile: 07-12-2015 8:17 AM TRM/BLE  
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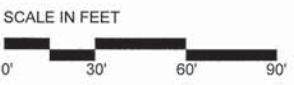
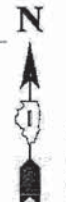
DESIGNED - MEU	REVISED -
DRAWN - BLG, SMM	REVISED -
CHECKED - TCK	REVISED -
DATE - 12-07-2015	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

LAYOUT AND MATERIALS PLAN

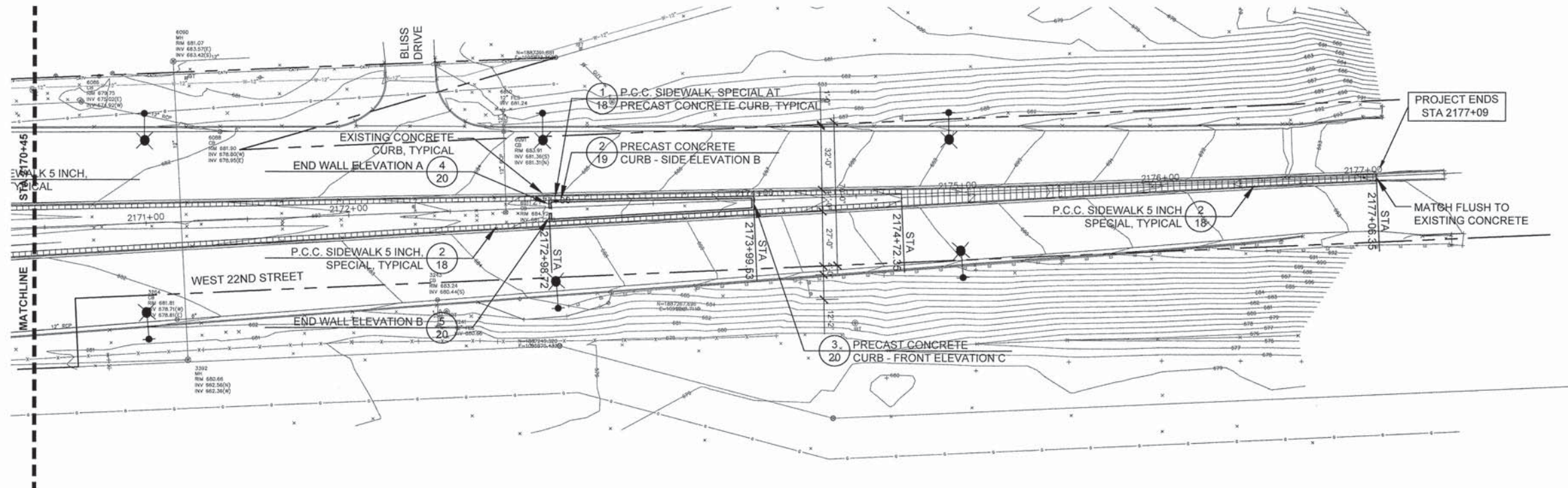
SCALE: 1" = 30'  
 PROJECT - 03-0745-014-01-06 STA. 2137+78.00 TO STA. 2205+28.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	13-00046-00-LS	DUPAGE	41	16
CONTRACT NO. 61A39		ILLINOIS FED. AID PROJECT TE-001(943)		





P:\ARCHIVES\PROJECTS\700\S\0745-VILLAGE OF OAK BROOK\014-22ND STREET STAGE 2 ITEP ENHANCEMENTS\H GRAPHICS\05-DD-CD\15-17-LAYOUT AND MATERIALS.DWG 17  
 Plotted: 07/12/2015 By: ATRIMBLE  
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I-294/I-88 SPUR RAMP



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DRAWN - BLG, SMM	REVISED -
CHECKED - TCK	REVISED -
DATE - 12-07-2015	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

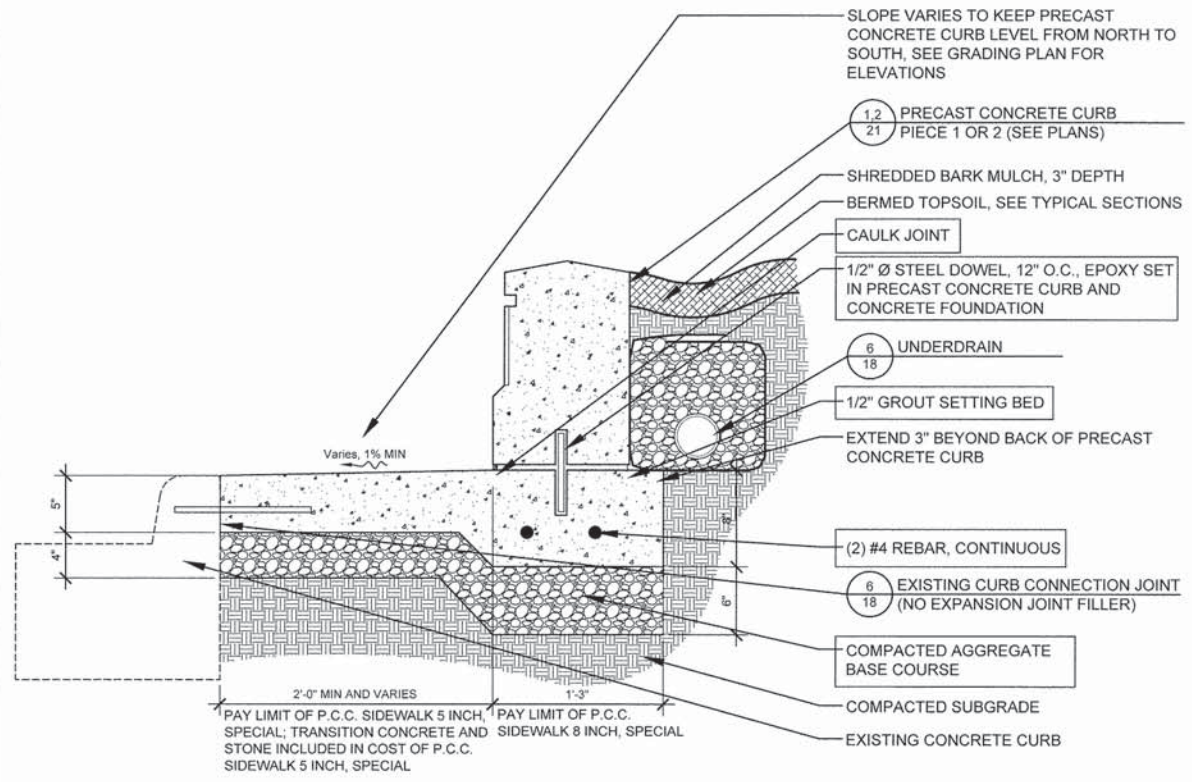
**LAYOUT AND MATERIALS PLAN**

SCALE: 1" = 30' PROJECT - 03-0745-014-01-06 STA. 2137+78.00 TO STA. 2205+28.00

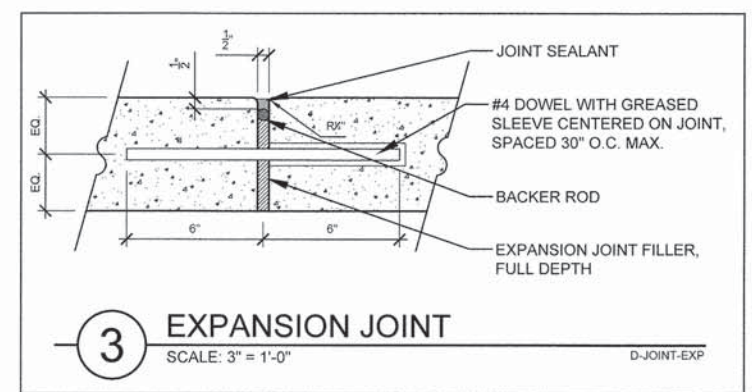
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	13-00046-00-LS	DUPAGE	41	17
CONTRACT NO. 61A39				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-001 (843)				



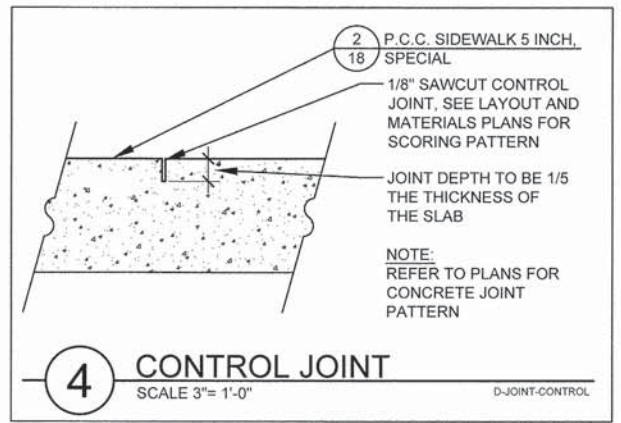
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 Plotted: 07.12.2015 By: ATRIMBLE  
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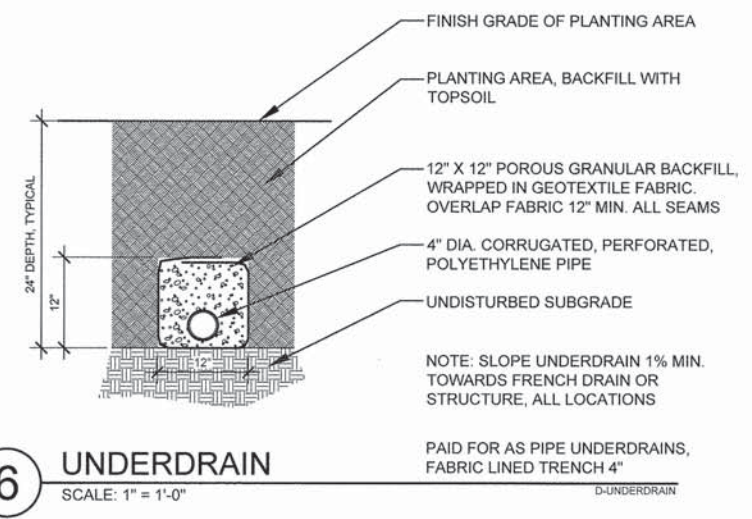
**1 P.C.C. SIDEWALK, SPECIAL AT PRECAST CONCRETE CURB**  
 SCALE: 1 1/2" = 1'-0"  
 D-CONC-STRIP-FOOTING



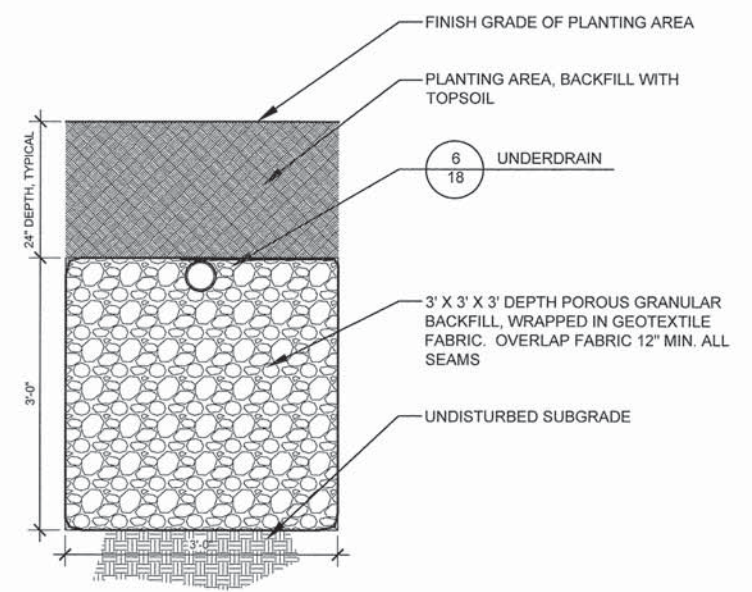
**3 EXPANSION JOINT**  
 SCALE: 3" = 1'-0"  
 D-JOINT-EXP



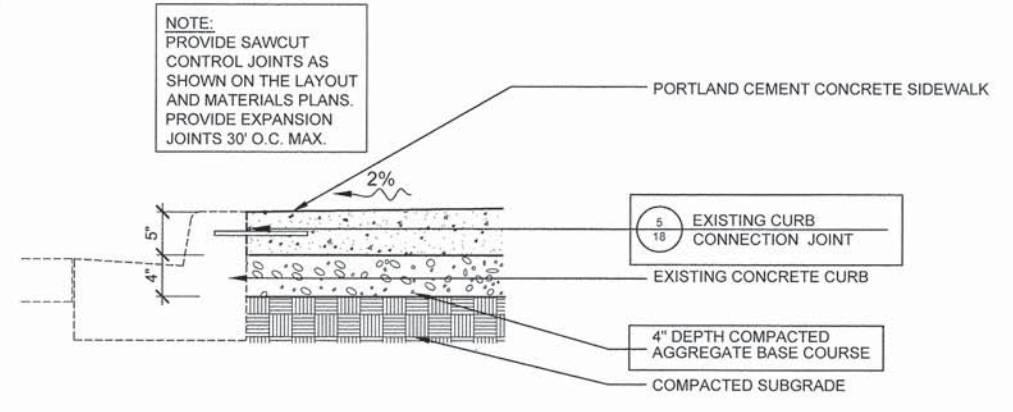
**4 CONTROL JOINT**  
 SCALE: 3" = 1'-0"  
 D-JOINT-CONTROL



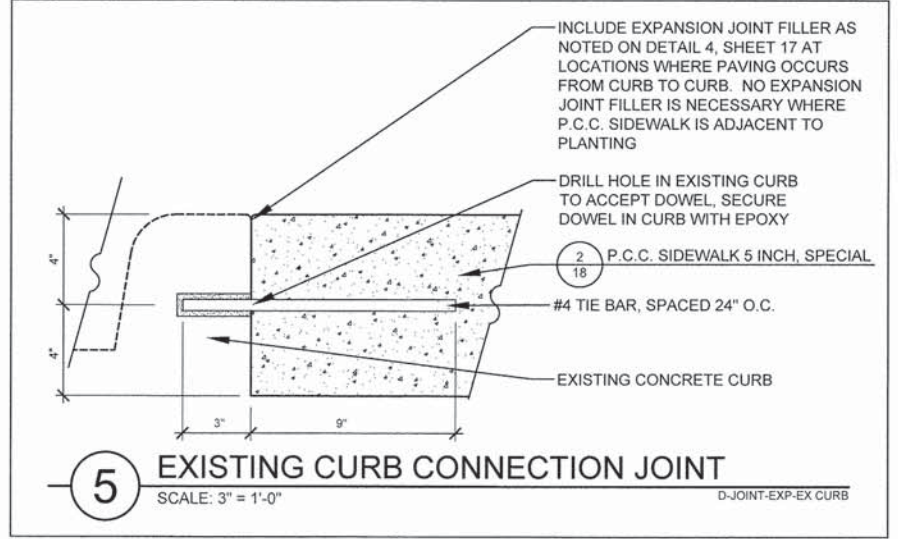
**6 UNDERDRAIN**  
 SCALE: 1" = 1'-0"  
 D-UNDERDRAIN



**7 FRENCH DRAIN**  
 SCALE: 1" = 1'-0"  
 D-FRENCH DRAIN



**2 P.C.C. SIDEWALK 5 INCH, SPECIAL**  
 NOT TO SCALE  
 D-CONC-PAV



**5 EXISTING CURB CONNECTION JOINT**  
 SCALE: 3" = 1'-0"  
 D-JOINT-EXP-EX CURB



DESIGNED - MEU	REVISED -
DRAWN - BLG, SMM	REVISED -
CHECKED - TCK	REVISED -
DATE - 12-07-2015	REVISED -

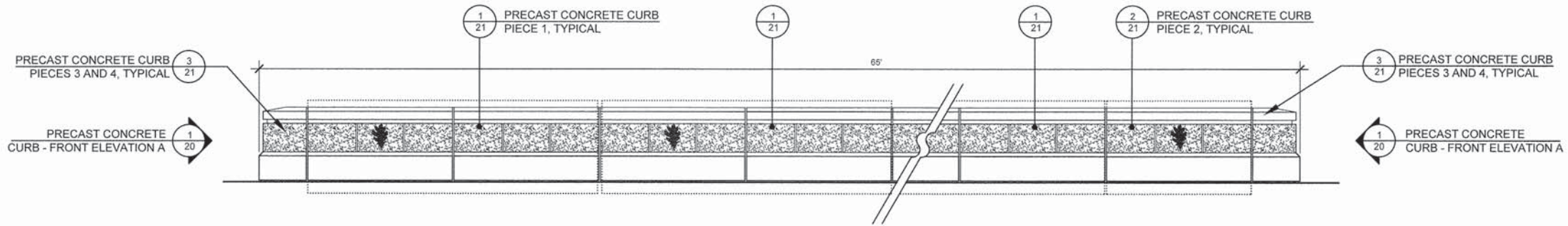
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

SCALE AS SHOWN PROJECT - 03-0745-014-01-06

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	13-00046-00-LS	DUPAGE	41	18
CONTRACT NO. 61A39				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-0001 (943)				

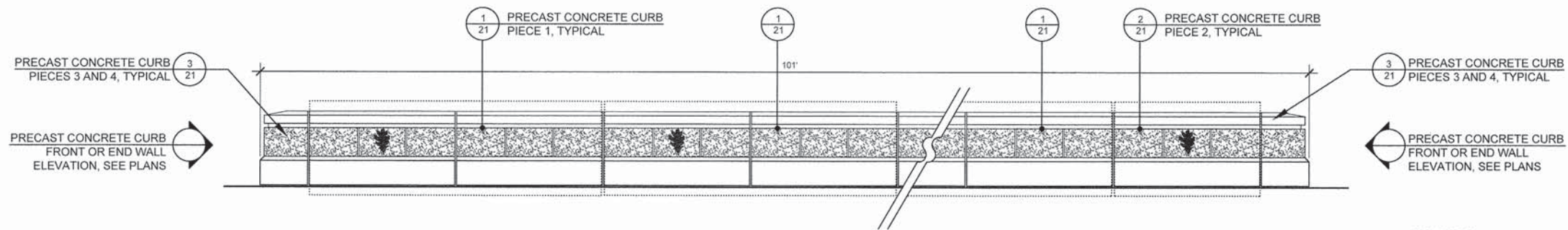




**1** PRECAST CONCRETE CURB - SIDE ELEVATION A  
SCALE: 3/4" = 1'-0"

LOCATION:  
STA. 2141+96.25 TO STA. 2142+61.23

D-ELEV-WALL-SIDE A



**2** PRECAST CONCRETE CURB - SIDE ELEVATION B  
SCALE: 3/4" = 1'-0"

LOCATIONS:  
STA. 2147+69.84 TO STA. 2148+70.84  
STA. 2151+61.66 TO STA. 2152+62.66  
STA. 2167+84.62 TO STA. 2168+85.62  
STA. 2173+01.27 TO STA. 2174+02.27

D-ELEV-WALL-SIDE B

P:\ARCHIVES\PROJECTS\700\S\0745-VILLAGE OF OAK BROOK\014-22ND STREET STAGE 2 ITEP ENHANCEMENTS\H GRAPHICS\05-DD-CD\18-21-CONSTRUCTION DETAILS.DWG 19  
Plot: 07-12-2015 By: ATRIMBLE  
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DESIGNED - MEU	REVISED -
DRAWN - BLG, SMM	REVISED -
CHECKED - TCK	REVISED -
DATE - 12-07-2015	REVISED -

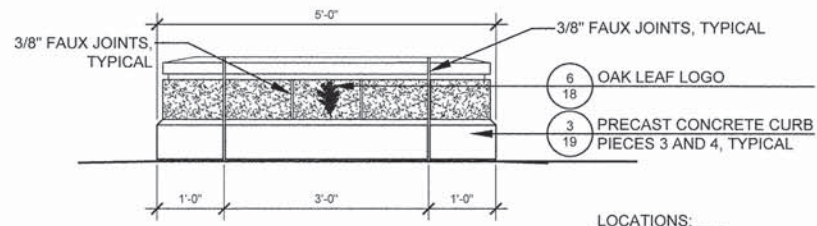
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

SCALE: AS SHOWN PROJECT - 03-0745-014-01-06

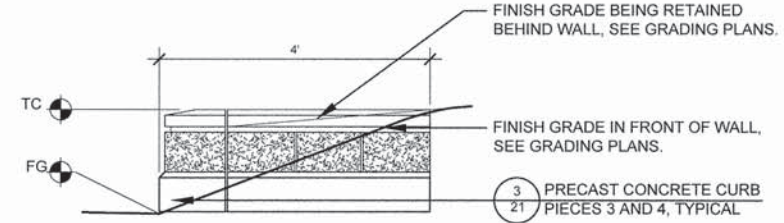
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	13-00046-00-LS	DUPAGE	41	19
CONTRACT NO. 61A39				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	TE-001 (843)	





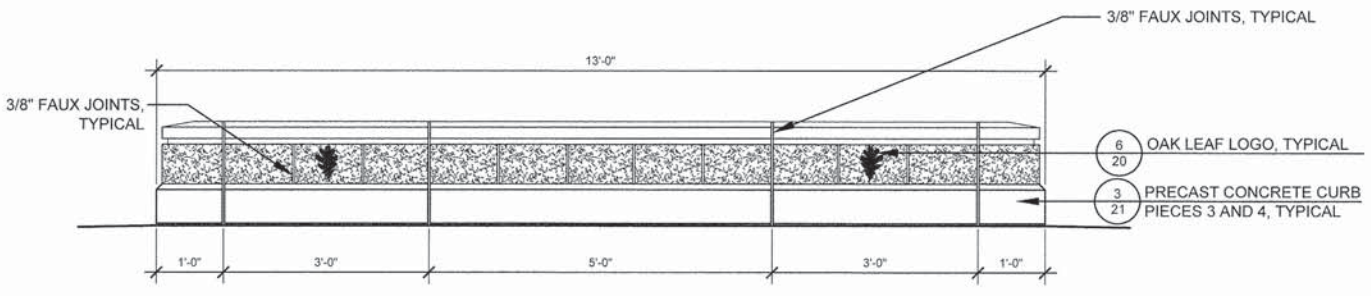
LOCATIONS:  
STA. 2141+65.83  
STA. 2142+61.23

**1** PRECAST CONCRETE CURB - FRONT ELEVATION A  
SCALE: 3/4" = 1'-0" D-ELEV-WALL-NOSE A



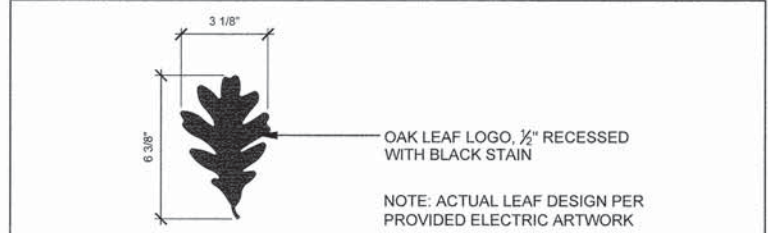
LOCATIONS:  
STA. 2148+70.84  
STA. 2151+61.66  
STA. 2168+85.62  
STA. 2173+61.27

**5** END WALL ELEVATION B  
SCALE: 3/4" = 1'-0" D-ELEV-WALL-END B

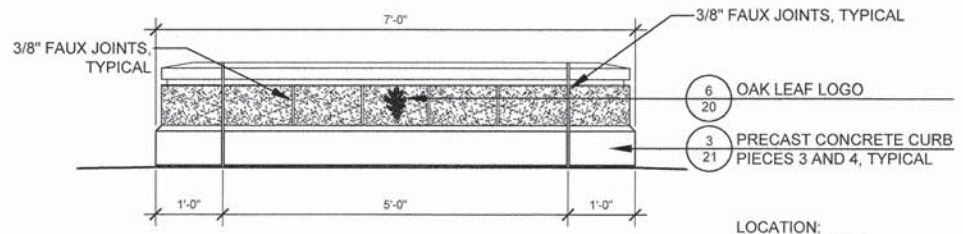


LOCATIONS:  
STA. 2147+69.84  
STA. 2152+62.66  
STA. 2167+84.62

**2** PRECAST CONCRETE CURB - FRONT ELEVATION B  
SCALE: 3/4" = 1'-0" D-ELEV-WALL-NOSE B

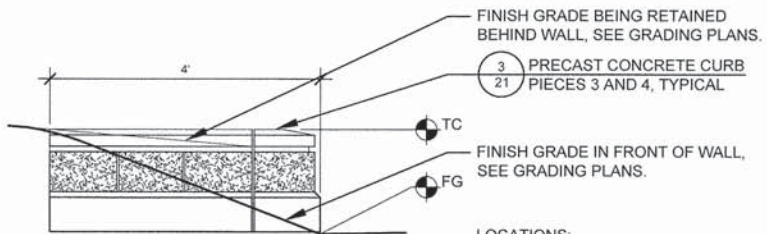


**6** OAK LEAF LOGO  
Scale: 3" = 1'-0" D-ELEV-LOGO



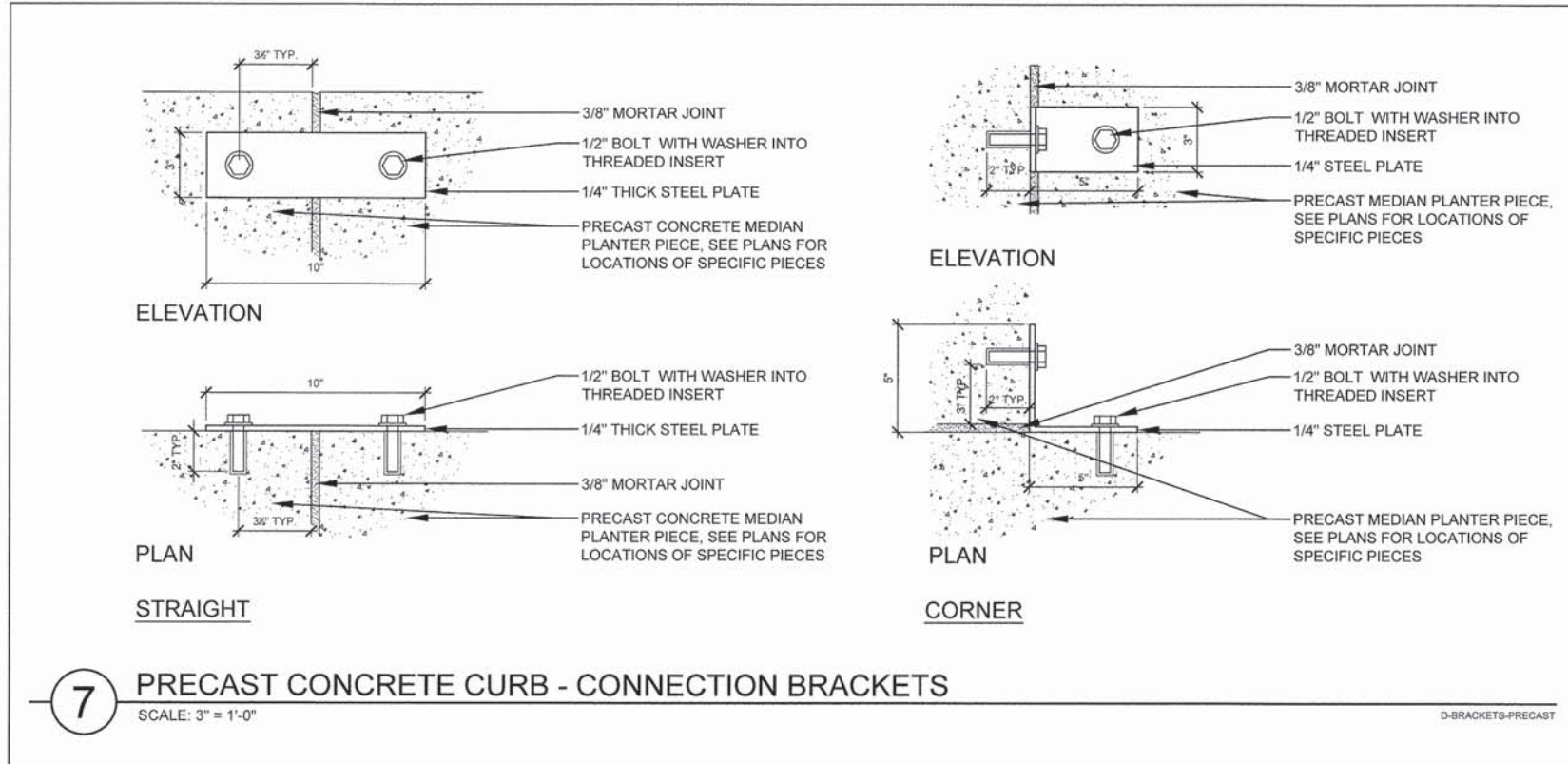
LOCATION:  
STA. 2174+02.27

**3** PRECAST CONCRETE CURB - FRONT ELEVATION C  
SCALE: 3/4" = 1'-0" D-ELEV-WALL-NOSE C



LOCATIONS:  
STA. 2148+70.84  
STA. 2151+61.66  
STA. 2168+85.62  
STA. 2173+61.27

**4** END WALL ELEVATION A  
SCALE: 3/4" = 1'-0" D-ELEV-WALL-END A



**7** PRECAST CONCRETE CURB - CONNECTION BRACKETS  
SCALE: 3" = 1'-0" D-BRACKETS-PRECAST

P:\ARCHIVES\PROJECTS\700\0745-VILLAGE OF OAK BROOK\014-22ND STREET STAGE 2 -ITIP ENHANCEMENTS\H GRAPHICS\05-DD-CD\18-21-CONSTRUCTION DETAILS.DWG 20  
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DATE - 12-07-2015	REVISED -

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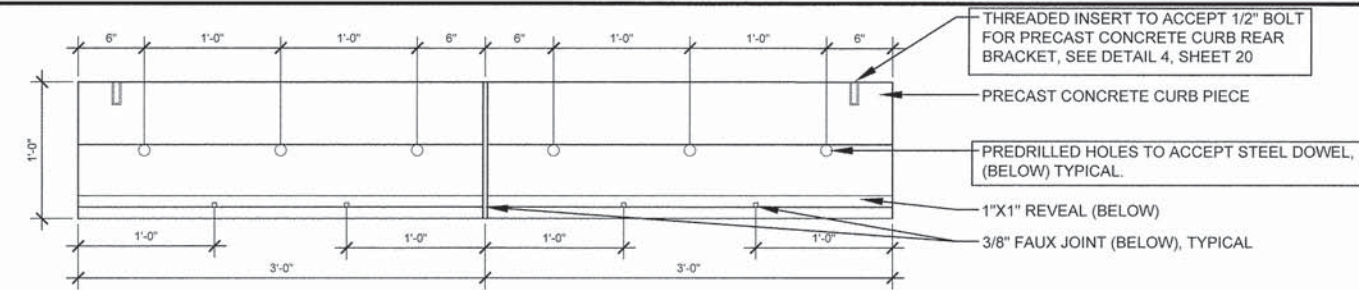
CONSTRUCTION DETAILS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61A39				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-001 (843)				

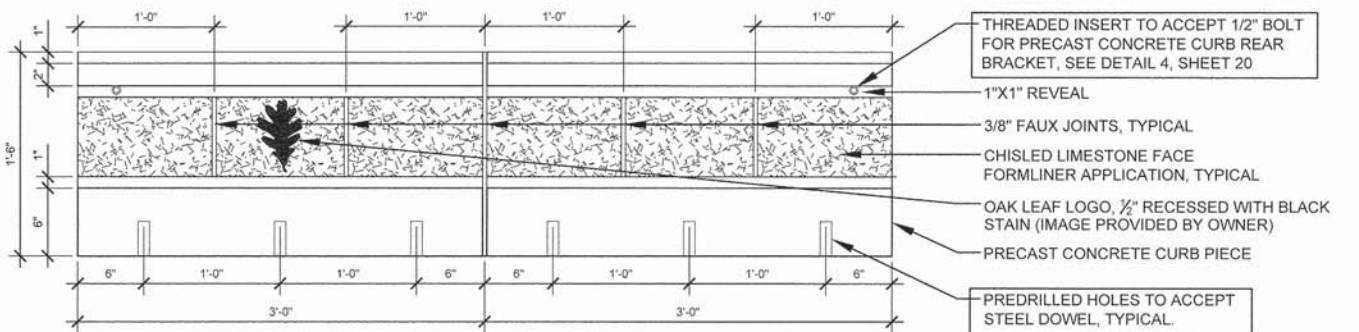
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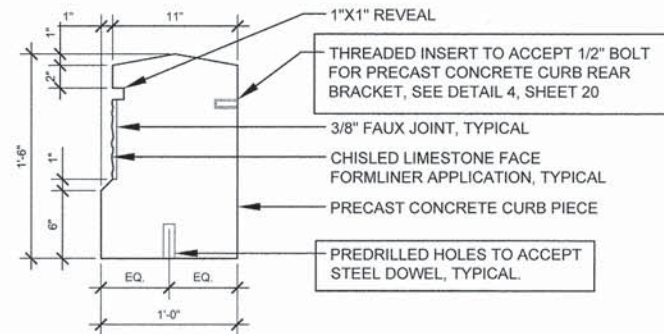
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 Printed: 07/12/2015 By: ATRIMBLE  
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PLAN

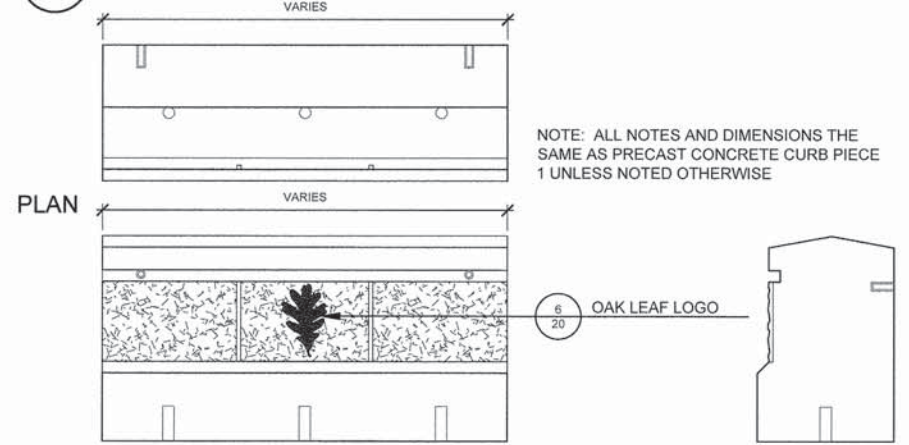


ELEVATION



SECTION

**1 PRECAST CONCRETE CURB - PIECE 1**  
 SCALE: 1 1/2" = 1'-0" D-PRECAST-MEDIAN-A

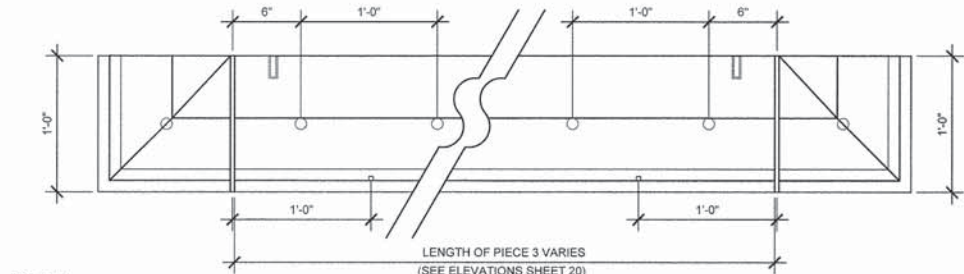


ELEVATION SECTION

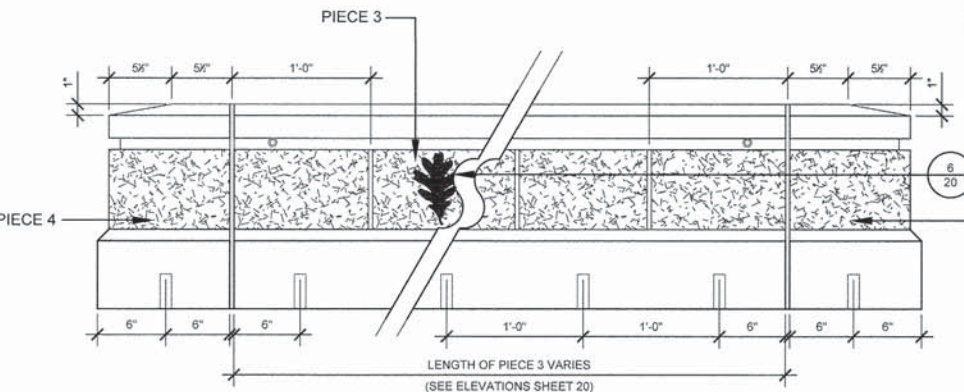
**2 PRECAST CONCRETE CURB - PIECE 2**  
 SCALE: 1 1/2" = 1'-0" D-PRECAST-MEDIAN-B



ELEVATION SECTION



PLAN



ELEVATION

**3 PRECAST CONCRETE CURB - PIECES 3 AND 4**  
 SCALE: 1 1/2" = 1'-0" D-PRECAST-MEDIAN-D



ELEVATION SECTION

NOTE: ALL NOTES AND DIMENSIONS THE SAME AS PRECAST CONCRETE CURB PIECE 1 UNLESS NOTED OTHERWISE



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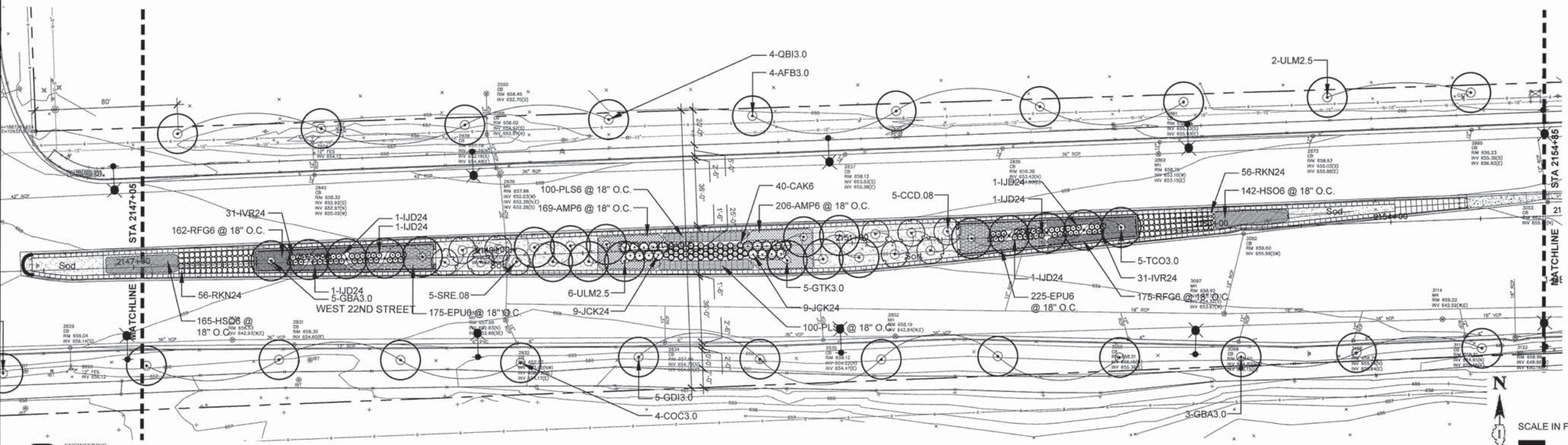
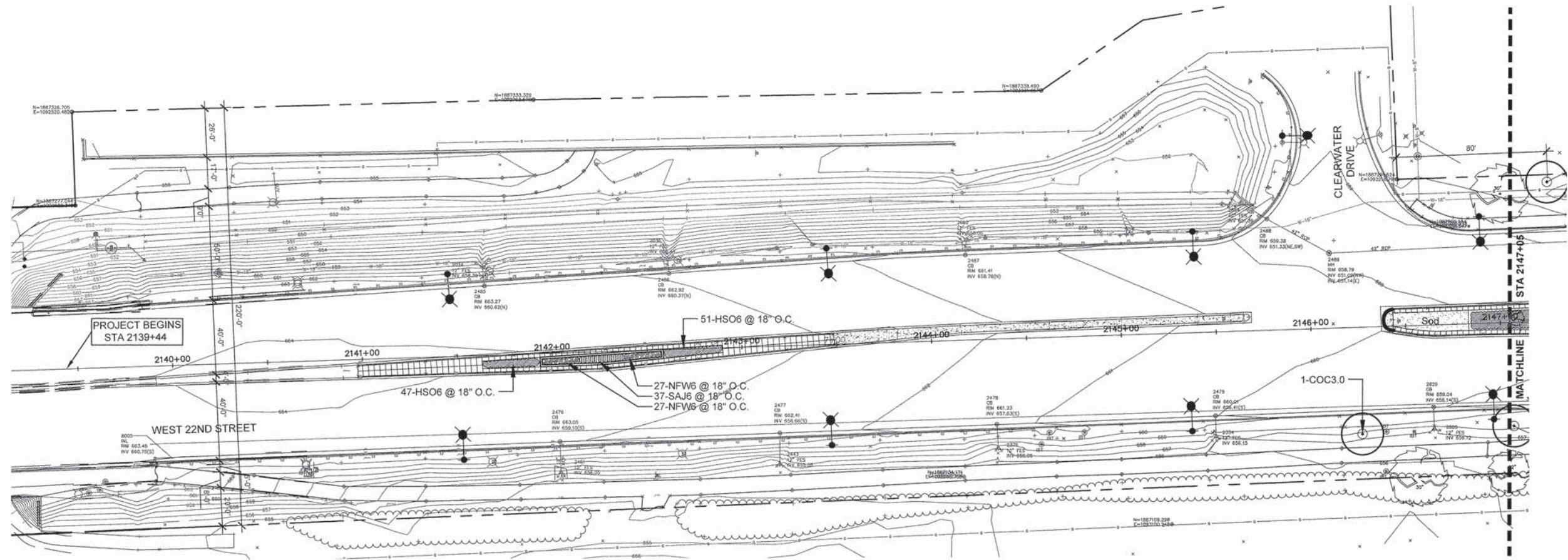
CONSTRUCTION DETAILS

SCALE: AS SHOWN PROJECT - 03-0745-014-01-06

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	13-00046-00-LS	DUPAGE	41	21
CONTRACT NO. 61A39				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-001 (843)				



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 Plot: 07/12/2015 By: ATRM/LE  
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SEE SHEET 25 FOR PLANT MATERIAL LIST



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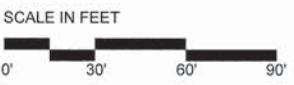
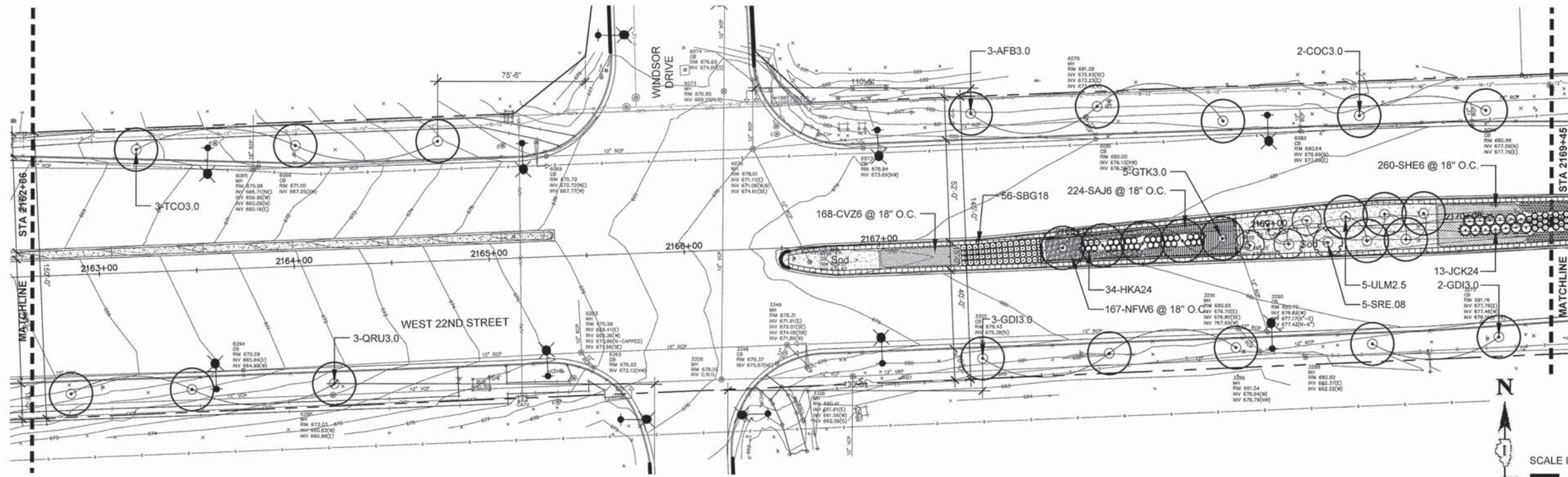
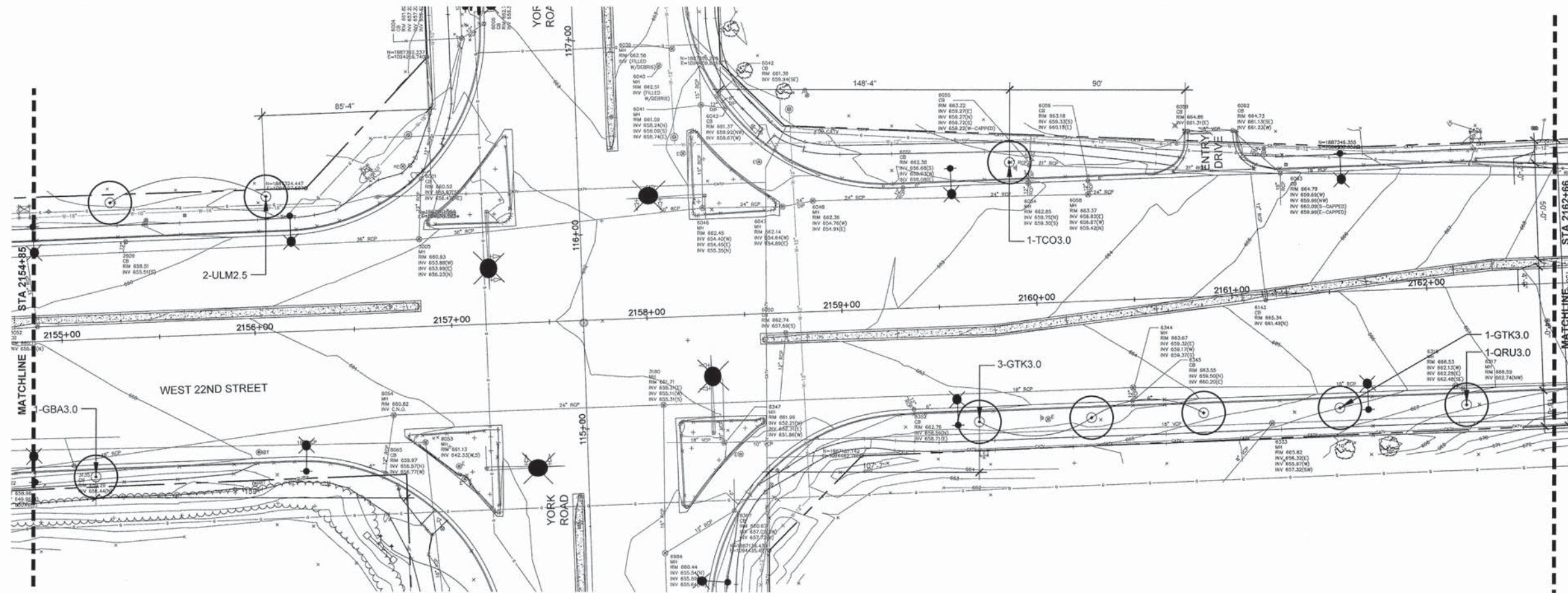
LANDSCAPE PLAN

SCALE: 1" = 30' PROJECT - 03-0745-014-01-06 STA. 2137+78.00 TO STA. 2205+28.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	13-00046-00-LS	DUPAGE	41	22
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A39	
			TE-001(943)	



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 Plot: 07/12/2015 9:11 AM  
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SEE SHEET 25 FOR PLANT MATERIAL LIST



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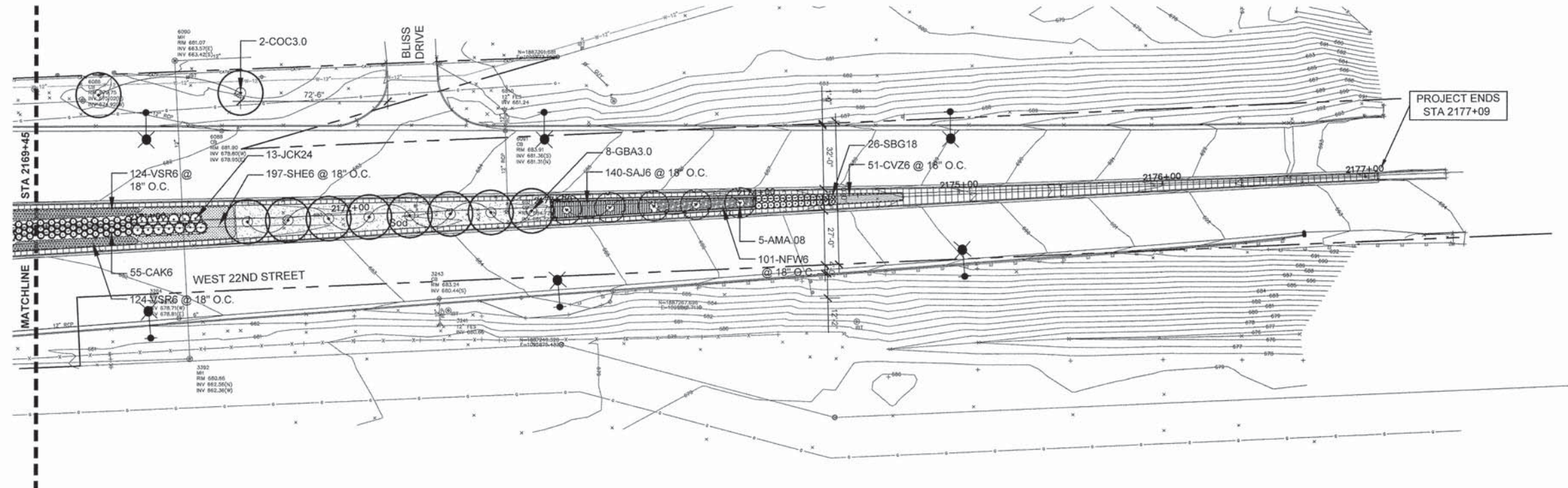
LANDSCAPE PLAN

SCALE: 1" = 30'  
 PROJECT - 03-0745-014-01-06 STA. 2137+78.00 TO STA. 2205+28.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	13-00046-00-LS	DUPAGE	41	23
CONTRACT NO. 61A39				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			TE-001(943)	



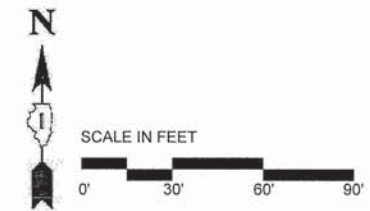
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 Project: 07-22-2015 By: STRIMBLE  
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CHECKED - TCK	REVISED -
DATE - 12-07-2015	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

SEE SHEET 25 FOR PLANT MATERIAL LIST

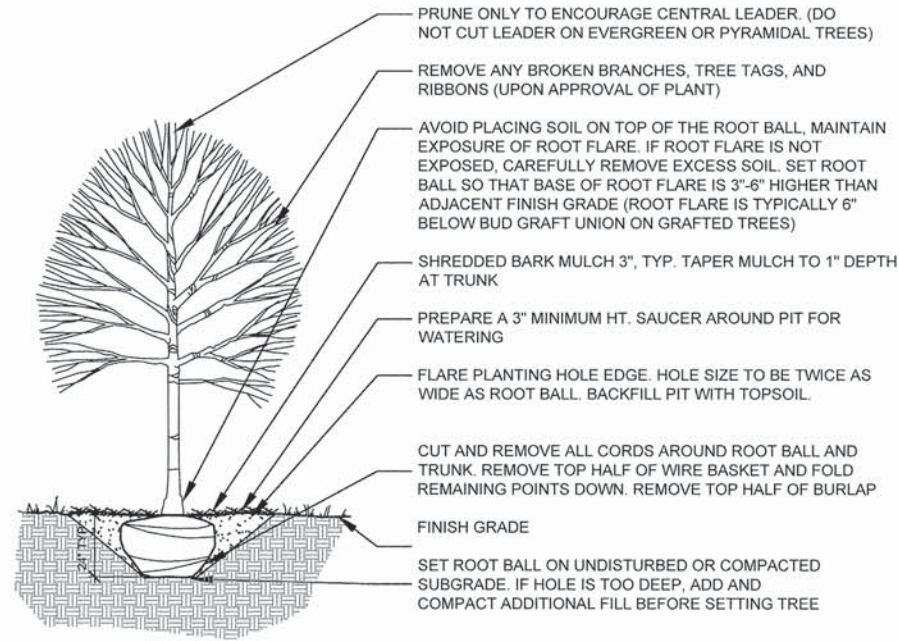


SCALE: 1" = 30' PROJECT - 03-0745-014-01-06 STA. 2137+78.00 TO STA. 2205+28.00

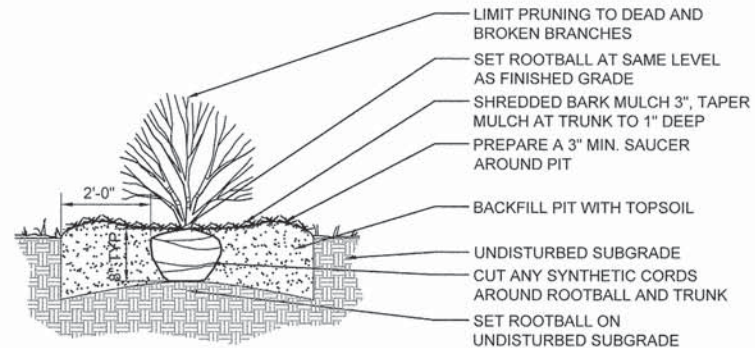
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1453	13-00046-00-LS	DUPAGE	41	24
CONTRACT NO. 61A39				
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	TE-0001 (843)



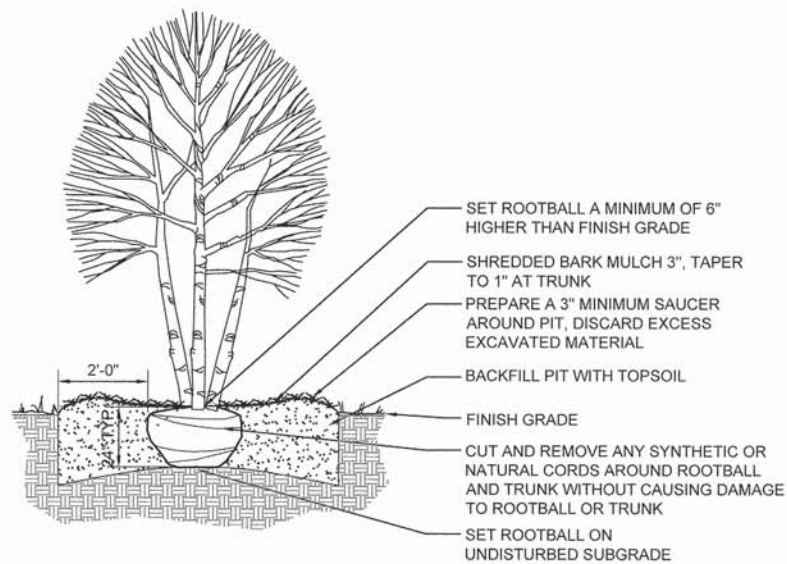
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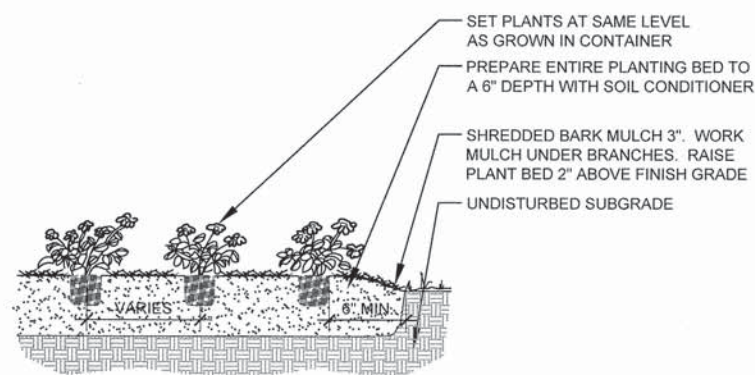
**1 DECIDUOUS TREE PLANTING**  
 SCALE: 1/2" = 1'-0" D-TREE-DEC



**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

**PLANT MATERIALS LIST**

CODE	BOTANICAL NAME	COMMON NAME	SIZE	QTY
<b>SHADE TREES</b>				
AFB3.0	ACER X FREEMANII 'AUTUMN BLAZE'	AUTUMN BLAZE FREEMAN MAPLE	3" C	7
COC3.0	CELTIS OCCIDENTALIS	COMMON HACKBERRY	3" C	9
GBA3.0	GINKGO BILOBA 'AUTUMN GOLD' (MALE)	AUTUMN GOLD GINKGO	3" C	17
GTK3.0	GLEDITSIA TRIACANTHOS VAR. INERMIS 'SKYLINE'	SKYLINE THORNLESS HONEYLOCUST	3" C	14
GD3.0	GYMNOCLADUS DIOICUS 'EXPRESSO' (MALE)	EXPRESSO KENTUCKY COFFEETREE	3" C	10
QB3.0	QUERCUS BICOLOR	SWAMP WHITE OAK	3" C	4
QRU3.0	QUERCUS RUBRA	RED OAK	3" C	4
TCO3.0	TILIA CORDATA 'GREENSPIRE'	GREENSPIRE LITTLELEAF LINDEN	3" C	9
ULM2.5	ULMUS JAPONICA X WILSONIANA 'MORTON'	ACCOLADE™ ELM	2 1/2" C	15
<b>INTERMEDIATE TREES</b>				
AMA.08	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	8' HT	5
CCD.08	CERCIS CANADENSIS	EASTERN REDBUD	8' HT	5
SRE.08	SYRINGA RETICULATA 'IVORY SILK'	IVORY SILK JAPANESE TREE LILAC	8' HT	10
<b>DECIDUOUS SHRUBS</b>				
HKA24	HYPERICUM KALMIANUM	KALM ST. JOHNSWORT	24" HT	34
IJD24	ILEX VERTICILLATA 'JIM DANDY'	JIM DANDY WINTERBERRY	24" HT	6
IVR24	ILEX VERTICILLATA 'WINTER RED'	WINTER RED WINTERBERRY	24" HT	62
RKN24	ROSA 'AMBER ROSE'	AMBER ROSE FLOWER CARPET ROSE	24" HT	112
SBG18	SPIRAEA X BUMALDA 'GOLD FLAME'	GOLD FLAME BUMALD SPIREA	18" HT	82
<b>EVERGREEN SHRUBS</b>				
JCK24	JUNIPERUS CHINENSIS 'KALLAY COMPACT'	KALLAY COMPACT CHINESE JUNIPER	36" HT	44
<b>PERENNIALS</b>				
AMP6	ACHILLEA MILLEFOLIUM 'PAPRIKA'	PAPRIKA RED YARROW	1 GAL	375
CAK6	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	1 GAL	95
CVZ6	COREOPSIS VERTICILLATA 'ZAGREB'	ZAGREB THREADLEAF COREOPSIS	1 GAL	219
EPU6	ECHINACEA PURPUREA	PURPLE CONEFLOWER	1 GAL	400
HSO6	HEMEROCALLIS 'STELLA DE ORO'	STELLA DE ORO DWARF DAYLILY	1 GAL	405
NFW	NEPTA X FAASENNII 'WALKER'S LOW'	WALKER'S LOW CATMINT	1 GAL	322
PLS6	PEROVSKIA ATRIPLICIFOLIA 'LITTLE SPIRE'	LITTLE SPIRE RUSSIAN SAGE	1 GAL	200
RF66	RUDBECKIA FULGIDA 'GOLDSTURM'	GOLDSTURM BLACK-EYED SUSAN	1 GAL	337
SAJ6	SEDUM X HERBSTFREUDE'	AUTUMN JOY SEDUM	1 GAL	401
SHE6	SPOROBOLUS HETEROLEPIS	PRAIRIE DROPSEED	1 GAL	457
VSR	VERONICA SPICATA 'RED FOX'	RED FOX SPEEDWELL	1 GAL	248

**TOTAL PERENNIALS: 3459**

**TOTAL UNITS: 34.59**

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

**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.
- CLEAR ZONES ARE INDICATED ON PLANS BETWEEN TREES AND INTERSECTIONS/DRIVEWAYS. DO NOT PLANT TREES WITHIN CLEAR ZONES.
- REFER TO THE SPECIAL PROVISIONS FOR ADDITIONAL CONDITIONS, STANDARDS AND NOTES.



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DATE - 12-07-2015	REVISED -

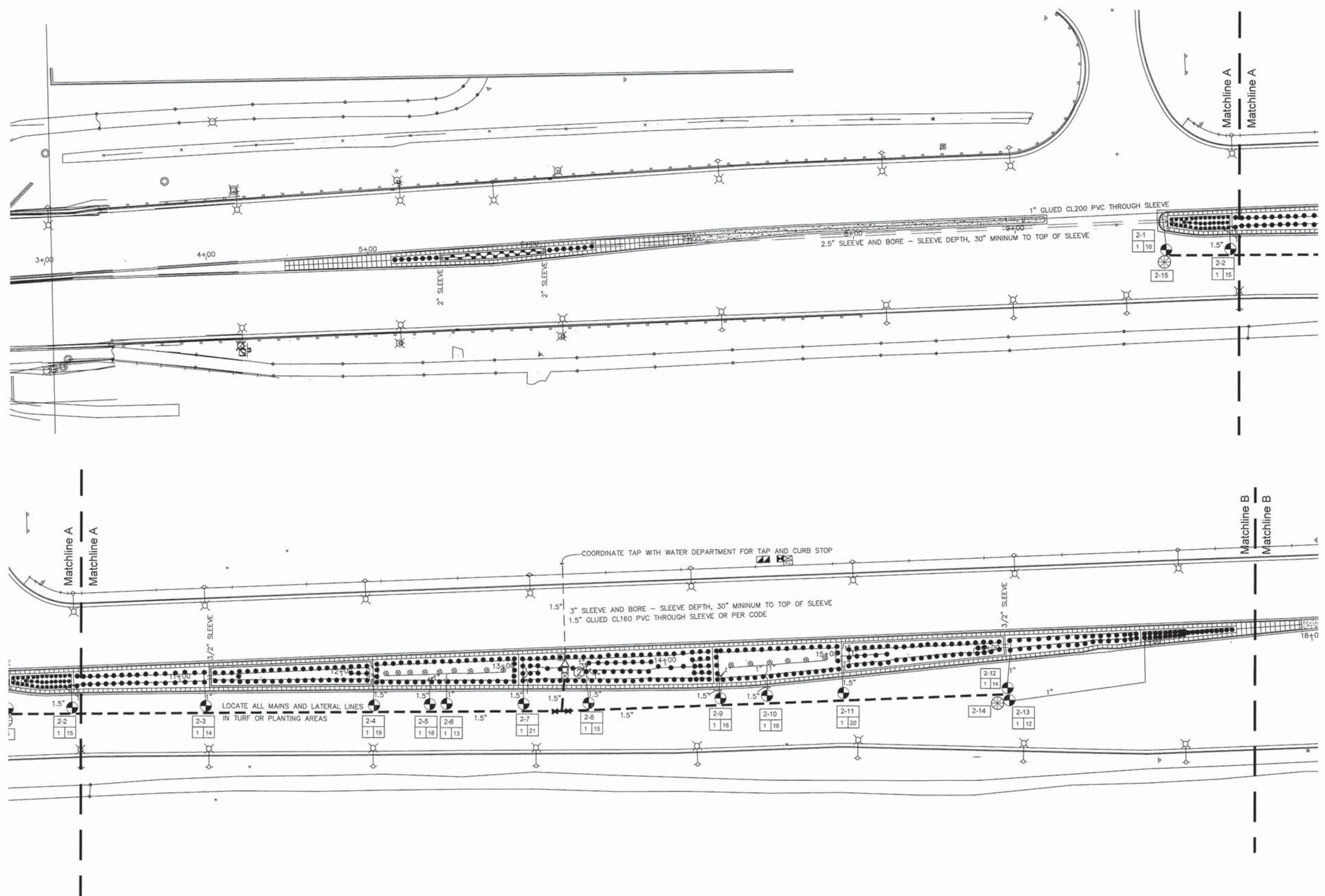
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

LANDSCAPE DETAILS AND NOTES

SCALE: AS SHOWN PROJECT - 03-0745-014-01-06 STA. 2137+78.00 TO STA. 2205+28.00

F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	13-00046-00-LS	DUPAGE	41	25
CONTRACT NO. 61A39			TE-001 (843)	





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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IRRIGATION PLAN**

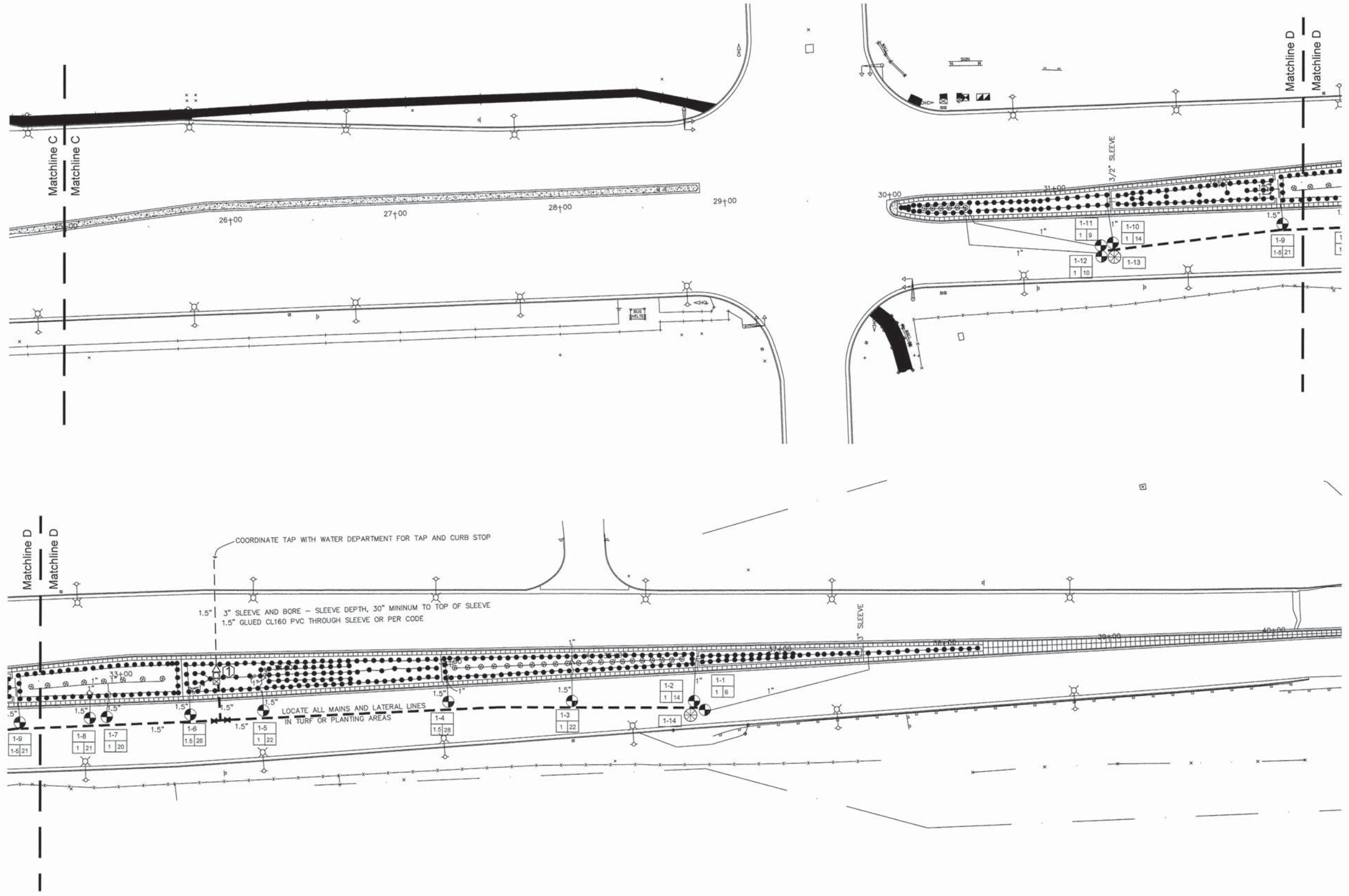
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PROJECT - 03-0745-014-01-06 STA. 2137+78.00 TO STA. 2205+28.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	13-00046-00-LS	DUPAGE	41	26
CONTRACT No. 61A39				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-001 (843)				



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IRRIGATION PLAN

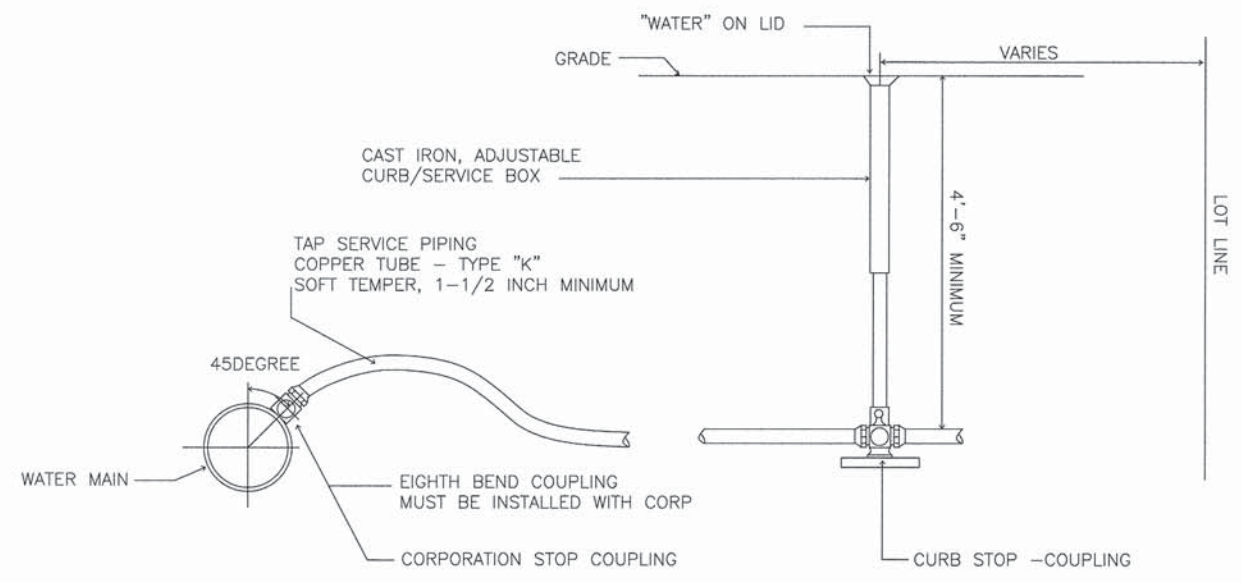
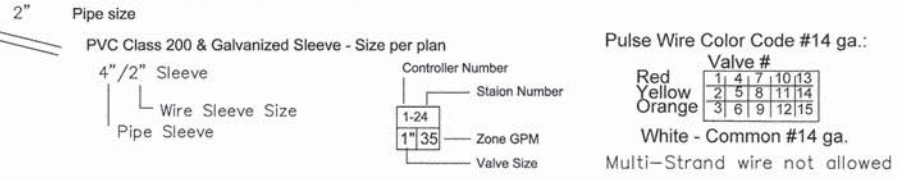
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	13-00046-00-LS	DUPAGE	41	27
CONTRACT No. 61A39				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-001 (943)				



# LEGEND

- RAINBIRD 1812 SAM Spray Head OR HUNTER PROS-12-CV Spray Head OR TORO 570Z-12PCOM Spray Head  
Nozzles XPCN Full Nozzles XPCN Full Nozzles XPCN Full
  - RAINBIRD 1812 SAM Spray Head OR HUNTER PROS-12-CV Spray Head OR TORO 570Z-12PCOM Spray Head  
Nozzles - XPCN Half Nozzles - XPCN Half Nozzles - XPCN Half
  - ⊗ RAINBIRD 1804 SAM PRS Spray Head OR HUNTER PROS-04-PRS30-CV Spray Head OR TORO 570Z-4PRX COM Spray Head  
MPR Full circle nozzles MPR Full circle nozzles TORO MPR PLUS Full circle nozzles
  - CL 200 PVC PIPE - Mainline, See plan for sizes
  - 1" & 1 1/2" PE PIPE
  - ① HUNTER I-CORE 12 Station Controller with Plastic Pedestal OR RAINBIRD ESP LX with Metal Pedestal OR TORO TMC-424E
  - ② HUNTER I-CORE 18 Station Controller with Plastic Pedestal OR RAINBIRD ESP LX with Metal Pedestal OR TORO TMC-424E
- Coordinate with owner for mounting location, install and ground to manufacturer's recommendations and details  
Contractor responsible for providing power from tap drop to controller  
Controller is to be located in a KS-M2 enclosure by BPDi. Color to be dark green.  
Install enclosure per manufactures recommendations.  
Contractor is responsible to ensure that the controllers fit in the enclosure.
- ⊗ Extra Wire Drop, label and locate in adjacent valve box.
  - ⊗ ISOLATION GATE VALVE - Size to pipe
  - ⊗ HUNTER PGV or RAINBIRD PGA or TORO 252 ELECTRIC VALVES - size per plan
  - ⊗ BLOW OUT TAP with Plug
  - ⊗ RPZ BACKFLOW PREVENTER and Meter - provided by this contractor  
RPZ and Meter are to be located in a Enclosure by BPDi or equal. Color to be Dark Green  
Contractor is responsible to ensure that the meter and backflow fit in the enclosure.  
Install per manufactures recommendations. If a larger enclosure is needed, the contractor is responsible to provide it.
  - △ Point of Connection - Coordinate with Engineer  
Irrigation Tap is to be 1.5". Follow state and local codes from tap through backflow preventer, meter and system.



NOTE: BRONZE SERVICE SADDLE-DOUBLE STRAP WITH AWWA TAPER (CC) THREAD, BASE CATALOG NUMBER BR2B SERIES SHALL BE PROVIDED IN ALL CASES.

## GENERAL IRRIGATION NOTES

1. CONTACT ALL UTILITIES AND GENERAL CONTRACTOR AT LEAST 5 DAYS PRIOR TO THE START OF CONSTRUCTION.
2. MAINTAIN ALL CODES REQUIRED BY STATE AND LOCAL AUTHORITIES.
3. COORDINATE ELECTRICAL HOOKUP WITH GENERAL CONTRACTOR, ELECTRICIAN AND OWNER  
THE CONTROLLER WILL BE A STAND ALONE MOUNT WITH ELECTRICAL BROUGHT TO THE CONTROLLER LOCATION  
THE IRRIGATION CONTRACTOR WILL BE RESPONSIBLE FOR CONNECTIONS FROM THE POWER DROP TO THE CONTROLLER.
4. COORDINATE ALL SLEEVES AND PENETRATIONS WITH GENERAL CONTRACTOR  
IRRIGATION CONTRACTOR IS RESPONSIBLE FOR BORES, SLEEVES OR PENETRATIONS RELATED TO THE IRRIGATION
5. IRRIGATION HEADS AND LINES ARE SCHEMATIC - MINOR FIELD ADJUSTMENTS MAY BE REQUIRED
6. INSTALL ALL PIPING AND FITTINGS USING GLUE METHODS CONSISTANT WITH MANUFACTURER'S RECOMMENDATIONS
7. MAINLINE PIPING SHALL BE INSTALLED AT MINIMUM OF 12"  
LATERAL LINES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 12"
8. CAP OR PLUG ALL OPENINGS AS SOON AS LINES ARE INSTALLED TO PREVENT DEBRIS IN THE LINE.
9. THOROUGHLY FLUSH ALL LINES PRIOR TO THE OPERATION OF SPRINKLER HEADS.
10. INSTALL WIRES A MIN. OF 10" BELOW GRADE.  
-SPICES ARE NOT ALLOWED IN THE TRENCH.  
-PROVIDE A 24" EXPANSION LOOP AT EACH CHANGE IN DIRECTION.  
-5 FEET OF EXCESS DECODER WIRE IS TO BE AT EACH DECODER LOCATION FOR EASE OF ACCESS.
11. THE IRRIGATION SYSTEM SHALL BE TESTED AT OPERATING PRESSURE FOR A MINIMUM OF 4 HOURS. REPAIR ALL LEAKS AND RETEST AFTER CURING.
12. UPON COMPLETION OF TEST, COMPLETE ASSEMBLY OF ALL EQUIPMENT AND SPRINKLERS FOR PROPER DISTRIBUTION.
13. PROVIDE "AS BUILT" DRAWINGS SHOWING ALL COMPONENTS OF THE SYTEM PRIOR TO FINAL PAYMENT.  
PROVIDE FINAL GPM OF ZONES, WIRE RUNS, HEADS, VALVES, PIPE SIZES ETC...
14. SLEEVE UNDER ROAD, WALLS, PAVERS, AND DRIVES  
-SLEEVE WIRE AND PIPING SEPARATELY, SEE PLAN FOR SIZING
15. ALL GASKETED PRESSURE PIPE AND FITTINGS SHALL BE THRUST BLOCKED.  
NO CONCRETE PREFORMED BLOCKS WILL BE ALLOWED.
16. ALL EXISTING UTILITIES WHICH ARE NOT SHOWN ON THESE DOCUMENTS WHICH NEED TO BE REMOVED, RELOCATED AND/OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR.
17. ALL BIDDERS SHALL VISIT AND REVIEW THE SITE AND FAMILIAR THEMSELVES WITH THE SITE THE SITE PRIOR TO SUBMITTING A BID.
18. CONTRACTOR TO PROVIDE BLOW OUT TAP AFTER RPZ UNIT
19. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING AND AQUIRING ALL PERMITS
20. PRIOR TO INSTALLATION, FIELD TEST THE SYSTEM PRESSURE AT THE POINT OF CONNECTION  
THE SYSTEM IS BASED ON GPM AND PRESSURE FURNISHED BY OTHERS, CONTRACTOR IS RESPONSIBLE TO VERIFY PRESSURE IS AT LEAST 60 STATIC PSI AND NOTIFY OWNER IF PRESSURE IS LOWER.
21. DRAWING IS SCHEMATIC, FIELD ADJUSTMENTS MAY BE NEEDED. LOCATE ALL MAIN LINES AND LATERAL LINES IN TURF OR PLANTING AREAS. COMPONENTS ARE DRAWN OUTSIDE OF AREAS FOR EASE OF READING.

## 1 WATER SERVICE CONNECTION

NTS

S:\P\IRRIGATION DRAWINGS\HITCHCOCK\22NDPHASE\22ND\_PHASE\032414.DWG 28  
Plotted: 10/04/2014 8:41:11 AM  
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DESIGNED - MEU	REVISED -
DRAWN - AMA, DPF	REVISED -
CHECKED - DPF	REVISED -
DATE - 12-07-2015	REVISED -

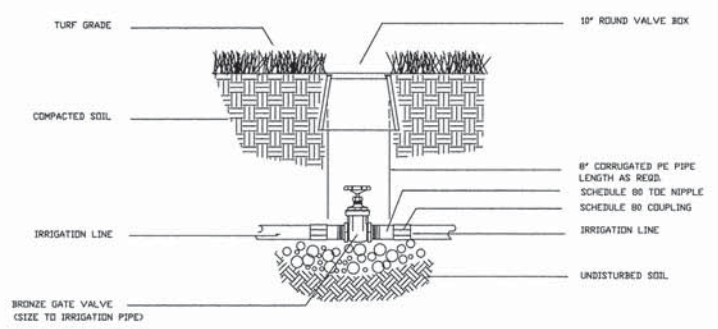
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

### IRRIGATION DETAILS AND NOTES

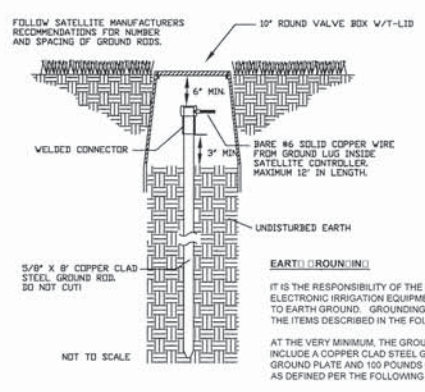
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	13-00048-00-LS	DUPAGE	41	28
CONTRACT No. 61A39				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-001 (843)				

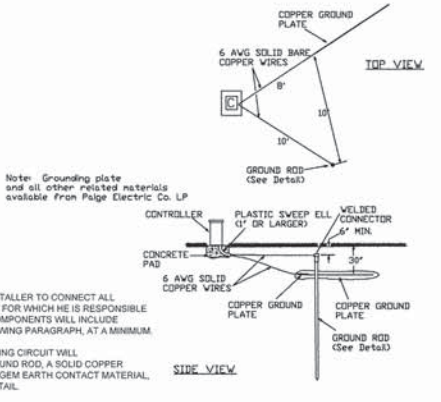




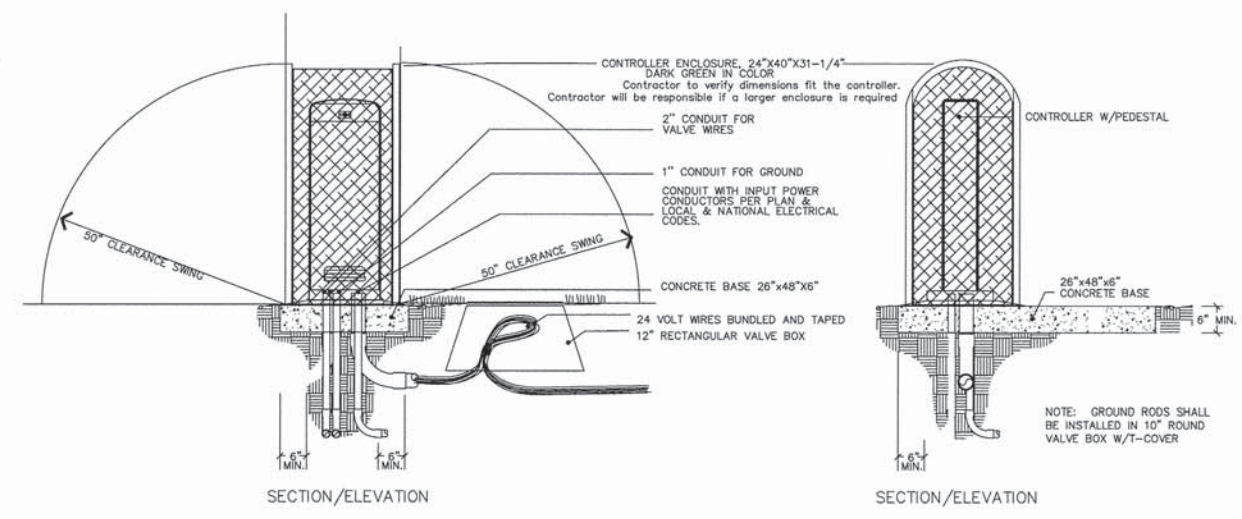
1 ISOLATION VALVE 3" and SMALLER  
NO SCALE



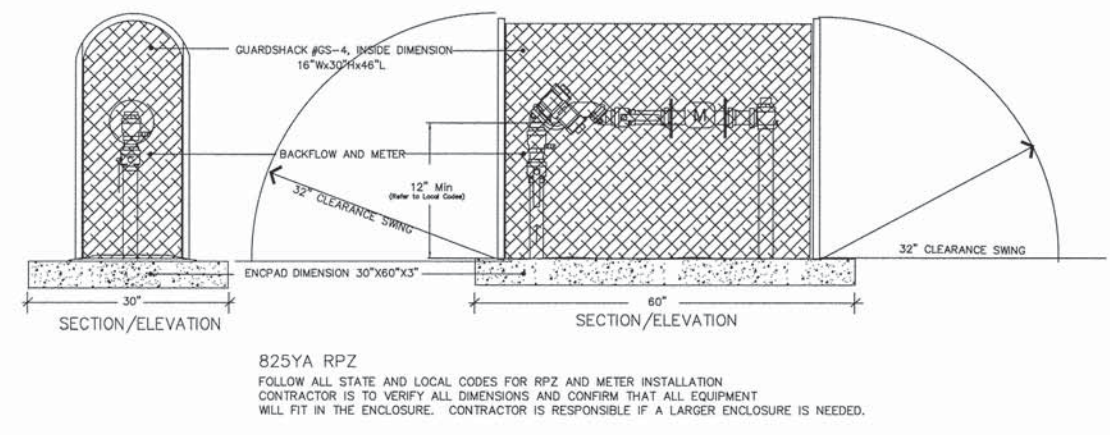
2 CONTROLLER GROUNDING  
NO SCALE



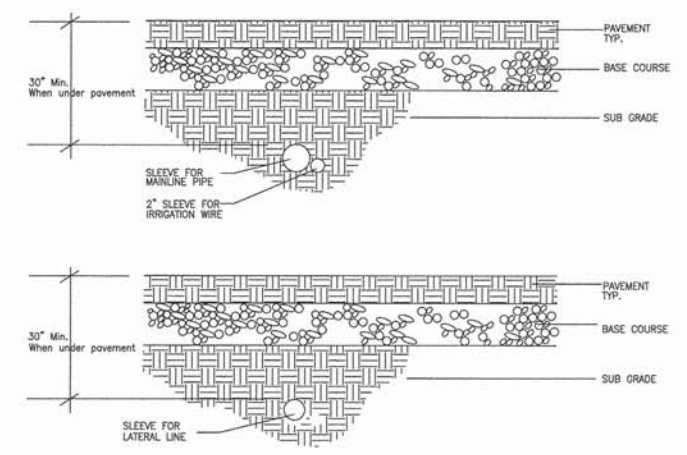
3 SPRAY HEAD AND SMALL ROTOR HEAD  
NO SCALE



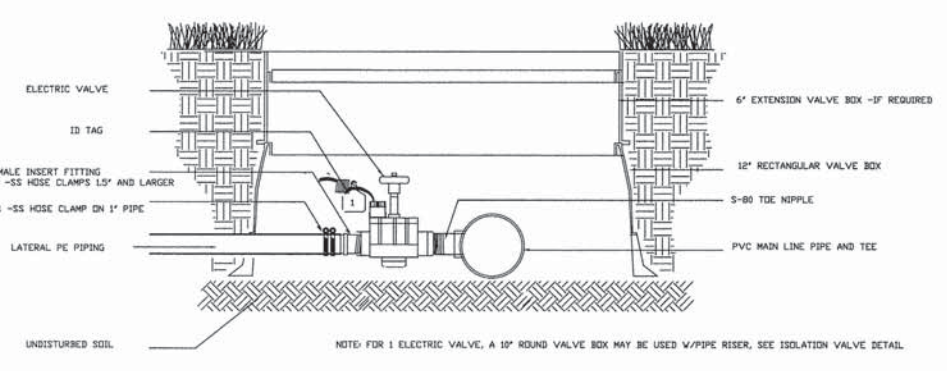
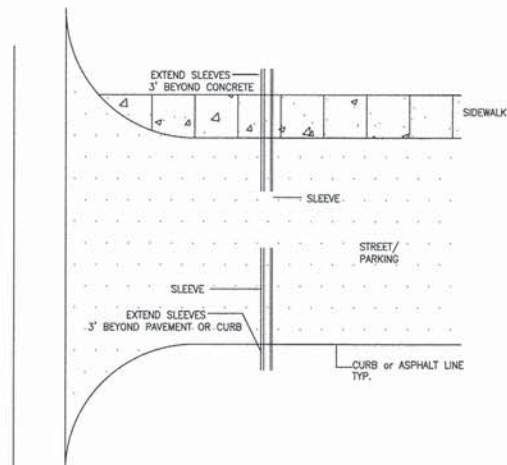
4 CONTROLLER MOUNT  
NO SCALE



5 BACKFLOW / METER ENCLOSURE  
NO SCALE



6 SLEEVING  
NO SCALE



7 ELECTRIC VALVE / MULTIPLE VALVES- PE PIPE  
NO SCALE

S:\FILES\IRRIGATION DRAWINGS\HITCHCOCK\22ND\PHASE1\22ND\_PHASE1\_032414.DWG 29  
Printed: 10/04/2014 By: #####  
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DESIGNED - MEU	REVISED -
DRAWN - AMA, DPF	REVISED -
CHECKED - DPF	REVISED -
DATE - 12-07-2015	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IRRIGATION DETAILS AND NOTES

SCALE: NOT TO SCALE PROJECT - 03-0745-014-01-06 STA. 2137+78.00 TO STA. 2205+28.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	13-00046-00-LS	DUPAGE	41	29
CONTRACT No. 61A39				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-001 (943)				



**LIGHTING SCHEDULE (22nd STREET)**

CIRCUIT #	TYPE	STA	OFFSET	VOLT	MAST ARM	BAN. ARM
NW8	POLE & FIXTURE	2139+44	7'L	240	8	Y
SW7	POLE & FIXTURE	2139+44	14'R	240	8	Y
NW7	POLE & FIXTURE	2141+29	4.5'L	240	8	Y
SW6	POLE & FIXTURE	2141+29	4'R	240	8	Y
NW6	POLE & FIXTURE	2143+14	4.5'L	240	8	Y
SW5	POLE & FIXTURE	2143+14	4.5'R	240	8	Y
NW5	POLE & FIXTURE	2144+99	4.5'L	240	8	Y
SW4	POLE & FIXTURE	2144+99	4.5'R	240	8	Y
NW4	POLE & FIXTURE	2146+42	6.5'L	240	8	Y
SW3	POLE & FIXTURE	2146+79	4.5'R	240	8	Y
NW3	POLE & FIXTURE	2146+89	8.5'L	240	8	Y
NW2	POLE & FIXTURE	2148+74	8.5'L	240	8	Y
SW2	POLE & FIXTURE	2148+74	4.5'R	240	8	Y
NW1	POLE & FIXTURE	2150+54	8.5'L	240	8	Y
SW1	POLE & FIXTURE	2150+54	4.5'R	240	8	Y
NE <sub>1</sub>	POLE & FIXTURE	2152+39	8.5'L	240	8	Y
SE <sub>1</sub>	POLE & FIXTURE	2152+39	4.5'R	240	8	N
NE <sub>2</sub>	POLE & FIXTURE	2154+14	8.5'L	240	8	Y
SE <sub>2</sub>	POLE & FIXTURE	2154+14	4.5'R	240	8	N
NE <sub>2</sub>	POLE & FIXTURE	2155+89	8.5'L	240	8	N
SE <sub>2</sub>	POLE & FIXTURE	2155+89	4.5'R	240	8	N
IDOT	FIXTURE ONLY	2157+15	6.5'R	120	N/A	N/A
SE <sub>2</sub>	POLE & FIXTURE	2157+17	4.5'R	240	8	N
IDOT	FIXTURE ONLY	2157+20	6'L	120	N/A	N/A
NE <sub>2</sub>	POLE & FIXTURE	2157+27	4.5'L	240	8	N
SW <sub>2</sub>	POLE & FIXTURE	2158+20	4.5'R	240	8	N
NW <sub>3</sub>	POLE & FIXTURE	2158+30	4.5'L	240	8	N
IDOT	FIXTURE ONLY	2158+32	10'L	120	N/A	N/A
IDOT	FIXTURE ONLY	2158+32	6.5'R	120	N/A	N/A
NW <sub>2</sub>	POLE & FIXTURE	2159+64	4.5'L	240	8	N
SW <sub>3</sub>	POLE & FIXTURE	2159+64	4.5'R	240	8	N
NW <sub>2</sub>	POLE & FIXTURE	2161+49	8.5'L	240	8	N
SW <sub>2</sub>	POLE & FIXTURE	2161+49	4.5'R	240	8	N
NW <sub>2</sub>	POLE & FIXTURE	2163+34	4.5'L	240	8	N
SW <sub>2</sub>	POLE & FIXTURE	2163+34	4.5'R	240	8	Y
SW <sub>2</sub>	POLE & FIXTURE	2165+19	4.5'R	240	8	N
VILLAGE	FIXTURE ONLY	2165+26	6.5'L	120	N/A	N/A
VILLAGE	FIXTURE ONLY	2165+58	10'R	120	N/A	N/A
NW <sub>1</sub>	POLE & FIXTURE	2165+62	4.5'L	240	8	Y
VILLAGE	FIXTURE ONLY	2166+48	10'L	120	N/A	N/A
VILLAGE	FIXTURE ONLY	2166+61	6.5'R	120	N/A	N/A
NE <sub>1</sub>	POLE & FIXTURE	2168+34	4.5'L	240	8	N
SE <sub>1</sub>	POLE & FIXTURE	2168+34	4.5'R	240	8	N
NE <sub>2</sub>	POLE & FIXTURE	2170+09	4.5'L	240	8	N
SE <sub>2</sub>	POLE & FIXTURE	2170+09	4.5'R	240	8	N
NE <sub>3</sub>	POLE & FIXTURE	2171+84	4.5'L	240	8	N
SE <sub>3</sub>	POLE & FIXTURE	2171+84	4.5'R	240	8	Y
NE <sub>4</sub>	POLE & FIXTURE	2173+59	4.5'L	240	8	Y
SE <sub>4</sub>	POLE & FIXTURE	2173+59	4.5'R	240	8	Y
NE <sub>5</sub>	POLE & FIXTURE	2175+34	4.5'L	240	8	Y
SE <sub>5</sub>	POLE & FIXTURE	2175+34	4.5'R	240	8	Y

**LIGHTING SCHEDULE (YORK ROAD)**

CIRCUIT #	TYPE	STA	OFFSET	VOLT	MAST ARM	BAN. ARM
SW <sub>2</sub>	POLE & FIXTURE	100+95	4'R	240	8	Y
VILLAGE	FIXTURE ONLY	101+59	8'L	120	N/A	N/A
SW <sub>1</sub>	POLE & FIXTURE	101+75	4'R	240	8	Y
SE <sub>1</sub>	POLE & FIXTURE	102+60	4'L	240	8	Y
VILLAGE	FIXTURE ONLY	102+62	8'R	120	N/A	N/A
SE <sub>2</sub>	POLE & FIXTURE	104+50	4'L	240	8	Y
SW <sub>6</sub>	POLE & FIXTURE	104+50	5.5'R	240	8	Y
SE <sub>1</sub>	POLE & FIXTURE	106+40	4'L	240	8	Y
SW <sub>4</sub>	POLE & FIXTURE	106+40	5.5'R	240	8	Y
SE <sub>2</sub>	POLE & FIXTURE	108+30	4'L	240	8	Y
SW <sub>5</sub>	POLE & FIXTURE	108+30	7'R	240	8	Y
SE <sub>1</sub>	POLE & FIXTURE	110+20	4'L	240	8	Y
SW <sub>5</sub>	POLE & FIXTURE	110+20	4.5'R	240	8	N
SE <sub>2</sub>	POLE & FIXTURE	112+05	4'L	240	8	N
SW <sub>4</sub>	POLE & FIXTURE	112+05	4.5'R	240	8	N
SE <sub>1</sub>	POLE & FIXTURE	113+90	4.5'L	240	8	N
SW <sub>4</sub>	POLE & FIXTURE	113+90	4.5'R	240	8	N
NE <sub>1</sub>	POLE & FIXTURE	117+20	4.5'L	240	8	N
NW <sub>2</sub>	POLE & FIXTURE	117+20	4.5'R	240	8	N
NE <sub>2</sub>	POLE & FIXTURE	118+90	4.5'L	240	8	N
NW <sub>4</sub>	POLE & FIXTURE	118+90	4.5'R	240	8	N
NE <sub>1</sub>	POLE & FIXTURE	120+30	4.5'L	240	8	N
NW <sub>4</sub>	POLE & FIXTURE	120+60	4.5'R	240	8	Y
NE <sub>2</sub>	POLE & FIXTURE	122+30	7.5'L	240	8	Y
NW <sub>5</sub>	POLE & FIXTURE	122+30	4.5'R	240	8	Y
NW <sub>5</sub>	POLE & FIXTURE	124+00	6.5'R	240	8	Y
NE <sub>1</sub>	POLE & FIXTURE	124+45	5.5'L	240	8	Y
NE <sub>2</sub>	POLE & FIXTURE	125+55	4.5'L	240	8	Y
NE <sub>1</sub>	POLE & FIXTURE	127+35	4.5'L	240	8	Y
NW <sub>2</sub>	POLE & FIXTURE	127+35	4.5'R	240	8	Y
NW <sub>1</sub>	POLE & FIXTURE	129+20	4.5'R	240	8	Y
NE <sub>1</sub>	POLE & FIXTURE	130+85	19'L	240	8	Y
NW <sub>2</sub>	POLE & FIXTURE	130+85	4.5'R	240	8	Y
NE <sub>2</sub>	POLE & FIXTURE	132+80	19'L	240	8	Y
NW <sub>1</sub>	POLE & FIXTURE	132+80	4.5'R	240	8	Y

**STREET LIGHTING GENERAL NOTES**

- ALL ABOVE GRADE POLE HANDHOLES SHALL BE OPPOSITE TO THE ROADWAY.
- ALL WORK TO CONFORM TO THE NATIONAL ELECTRICAL CODE, IDOT AND ANY LOCAL APPLICABLE CODES.
- ALL LIGHT STANDARDS SHALL BE LOCATED A MINIMUM OF 3.0' SETBACK FROM THE FACE OF CURB TO CENTER OF POLE.
- NO MATERIALS SHALL BE DELIVERED TO THE JOB SITE UNTIL ALL EQUIPMENT SUBMITTALS HAVE BEEN APPROVED BY THE ENGINEER.
- MULTI-UNIT DUCT RUNS SHALL BE INSTALLED IN COMMON TRENCH AND BACKFILLED. TRENCH AND BACKFILL WILL NOT BE PAID FOR EACH UNIT DUCT OR CONDUIT, BUT WILL BE PAID FOR THE LENGTH OF THE COMMON TRENCH ONLY.
- ADJUSTMENT OF LIGHT LOCATIONS DUE TO UNFORESEEN CONDITIONS SHALL BE APPROVED BY THE VILLAGE.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT POLE IS ERECTED.
- ALL GROUND RODS SHALL BE CAD WELDED.
- LUMINAIRES SHALL HAVE A TIGHT FIT ON LIGHT POLES TO THE VILLAGE'S SATISFACTION. THIS WORK SHALL INCLUDE FIELD ADJUSTING OF THE LUMINAIRE WHICH WILL BE INCLUDED IN THE COST OF THE LUMINAIRE PAY ITEM.

**MISCELLANEOUS/ELECTRICAL**

- THE CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWINGS OR CATALOG CUTS FOR ALL EQUIPMENT AND MATERIALS TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION OR INSTALLATION. FAILURE TO SUBMIT AND APPROVE MATERIAL MAY RESULT IN UNACCEPTED WORK AND/OR REINSTALLATION.
- ALL CONDUCTORS SHALL BE COPPER WITH A XLP/USE INSULATION RATING.
- ALL COORDINATION FOR THE LOCATION OF AND THE CONFLICT WITH ANY AND ALL UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL MAINTAIN THE EXISTING LIGHTING SYSTEM UNTIL THE NEW LIGHTING SYSTEM IS ENERGIZED.

**LEGEND**

- EXISTING LIGHT FIXTURE
- REMOVE LIGHTING UNIT
- REMOVE LIGHT FIXTURE ONLY
- PROPOSED LIGHT POLE & FIXTURE WO/BANNER ARM
- PROPOSED LIGHT POLE & FIXTURE W/BANNER ARM
- PROPOSED LUMINAIRE, IDOT MAINTAINED COMBINATION LIGHTING (COBRA HEAD STYLE), 400 WATT, HPS, MC III, 120V
- PROPOSED COMBINATION LIGHTING LUMINAIRE, VILLAGE MAINTAINED
- PROPOSED UNIT DUCT
- PROPOSED GALVANIZED STEEL CONDUIT
- PROPOSED CONCRETE HANDHOLE
- EXISTING ELECTRICAL CONTROL CABINET
- PROPOSED HOLIDAY FESTOON CABINET

PLAN SURVEYED BY DATE  
 PLOTTED BY DATE  
 CHECKED BY DATE  
 REVISIONS BY DATE  
 NO. \_\_\_\_\_

PROFILE SURVEYED BY DATE  
 PLOTTED BY DATE  
 CHECKED BY DATE  
 REVISIONS BY DATE  
 NO. \_\_\_\_\_



USER NAME = r1anner	DESIGNED - BD	REVISED - ---
FILE NAME = H:\Highway\2015 22nd Street-04k	DRAWN - RT	REVISED - ---
PLOT SCALE = #SCALE#	CHECKED - JM	REVISED - ---
PLOT DATE = 12/8/2015	DATE - 12-07-2015	REVISED - ---

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

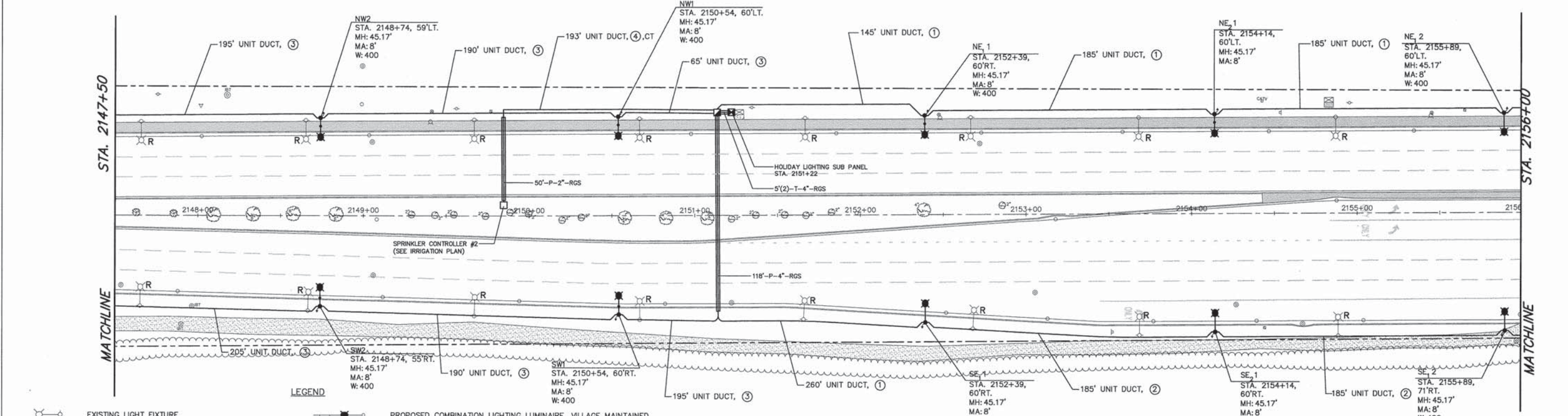
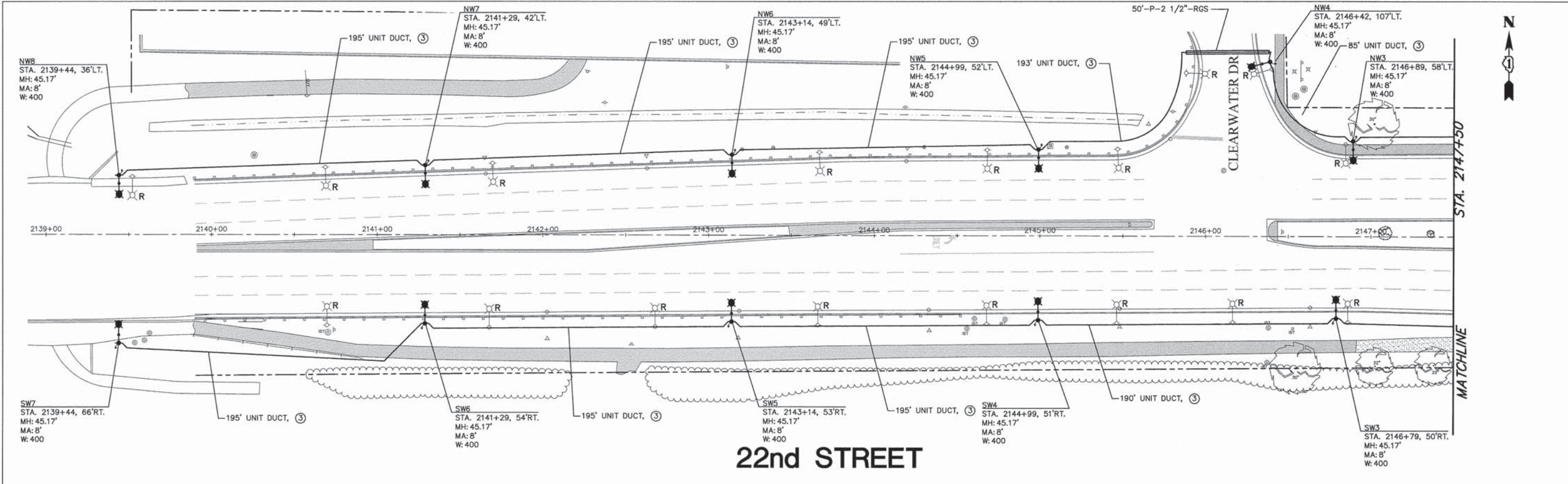
LIGHTING PLAN  
 GENERAL NOTES AND SCHEDULE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	13-00046-00-LS	DuPage	41	30
CONTRACT NO. 6IA39				



PLAN	SURVEYED	DATE
	ALIGNED	BY
	NOTE BOOK	
	NO. OF MAILED	
	FILE NAME	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	BY
	NOTE BOOK	
	NO. OF NOTED	
	STRUCTURE NOTATIONS	



- LEGEND**
- EXISTING LIGHT FIXTURE
  - REMOVE LIGHTING UNIT
  - REMOVE LIGHT FIXTURE ONLY
  - PROPOSED LIGHT POLE & FIXTURE W/O BANNER ARM
  - PROPOSED LIGHT POLE & FIXTURE W/ BANNER ARM
  - PROPOSED LUMINAIRE, IDOT MAINTAINED COMBINATION LIGHTING (COBRA HEAD STYLE), 400 WATT, HPS, MC III, 120V
  - PROPOSED COMBINATION LIGHTING LUMINAIRE, VILLAGE MAINTAINED
  - PROPOSED UNIT DUCT
  - PROPOSED GALVANIZED STEEL CONDUIT
  - PROPOSED CONCRETE HANDHOLE
  - EXISTING ELECTRICAL CONTROL CABINET
  - PROPOSED HOLIDAY FESTOON CABINET

- NOTES:**
1. ALL SPLICES SHALL OCCUR IN POLES OR IN ABOVE-GROUND JUNCTION BOXES.
  2. ALL RECEPTACLES SHALL BE GFCI/UL LISTED WITH COVERS COMPLIANT TO NEC ARTICLE 406.8(B)(2)(a). RECEPTACLES SHALL BE A MINIMUM OF 36 INCHES ABOVE GRADE.
  3. CONTRACTOR SHALL MAINTAIN AND OPERATE THE EXISTING LIGHTING SYSTEM UNTIL THE NEW LIGHTING SYSTEM IS ENERGIZED.
- ① UNIT DUCT, 600 V, 6-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 2" DIA.
  - ② UNIT DUCT, 600 V, 6-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/2" DIA.
  - ③ UNIT DUCT, 600 V, 4-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA.
  - ④ UNIT DUCT, 600 V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA.



ENGINEERING RESOURCE ASSOCIATES, INC.	USER NAME = rtonner	DESIGNED - BD	REVISED - JBR 3/21
CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS	FILE NAME = \\V:\projects\280115 22nd Street-Oak	DRAWN - RT	REVISED - 01-20-2016
	PLOT SCALE = #SCALE#	CHECKED - JM	REVISED - ---
	PLOT DATE = 1/20/2016	DATE - 12-07-2015	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

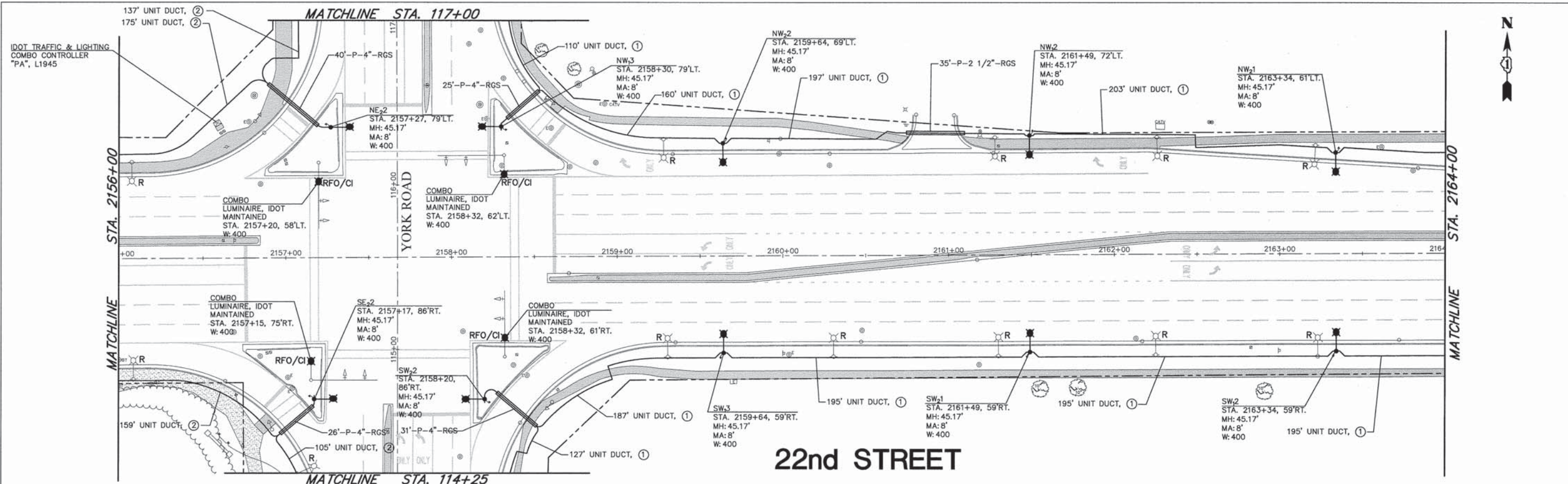
**LIGHTING PLAN**

SCALE: 1"=30'    SHEET NO. 1 OF 5 SHEETS    STA. 2139+00 TO STA. 2156+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	13-00046-00-L5	DuPage	41	31
CONTRACT NO. 6IA39				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



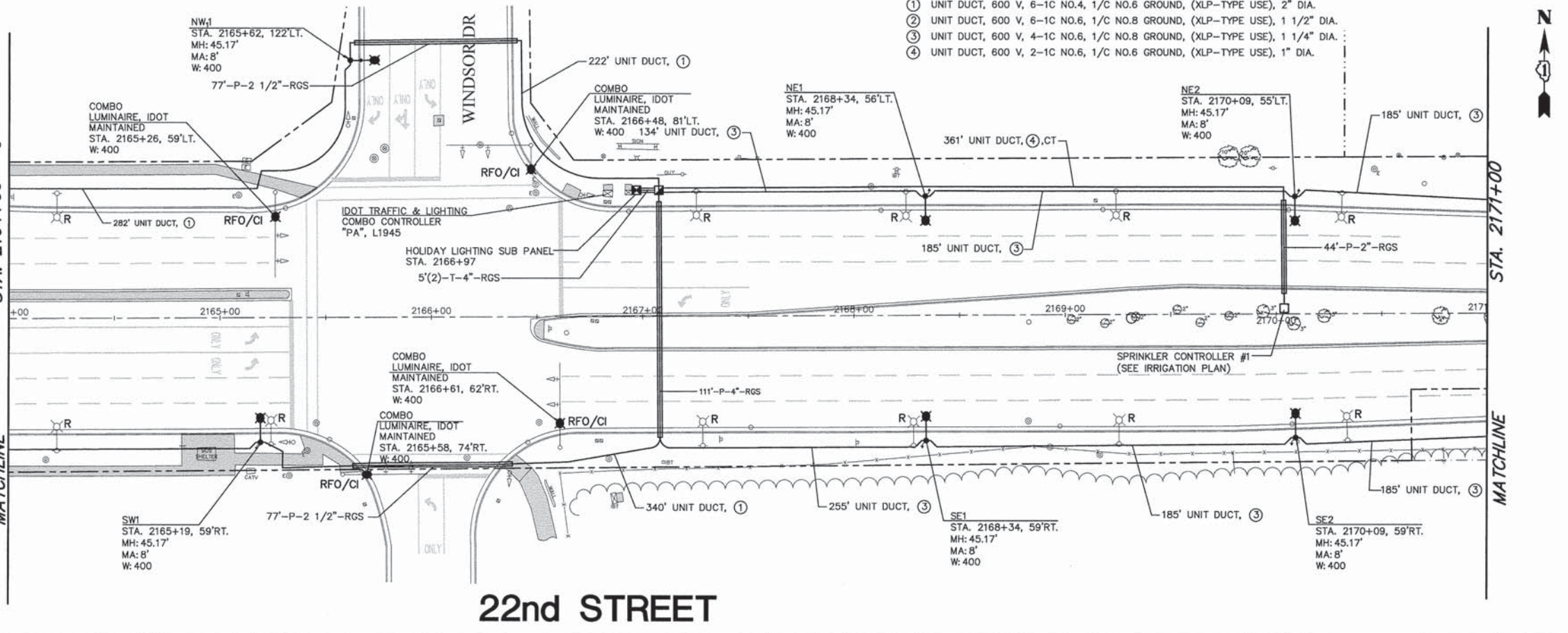
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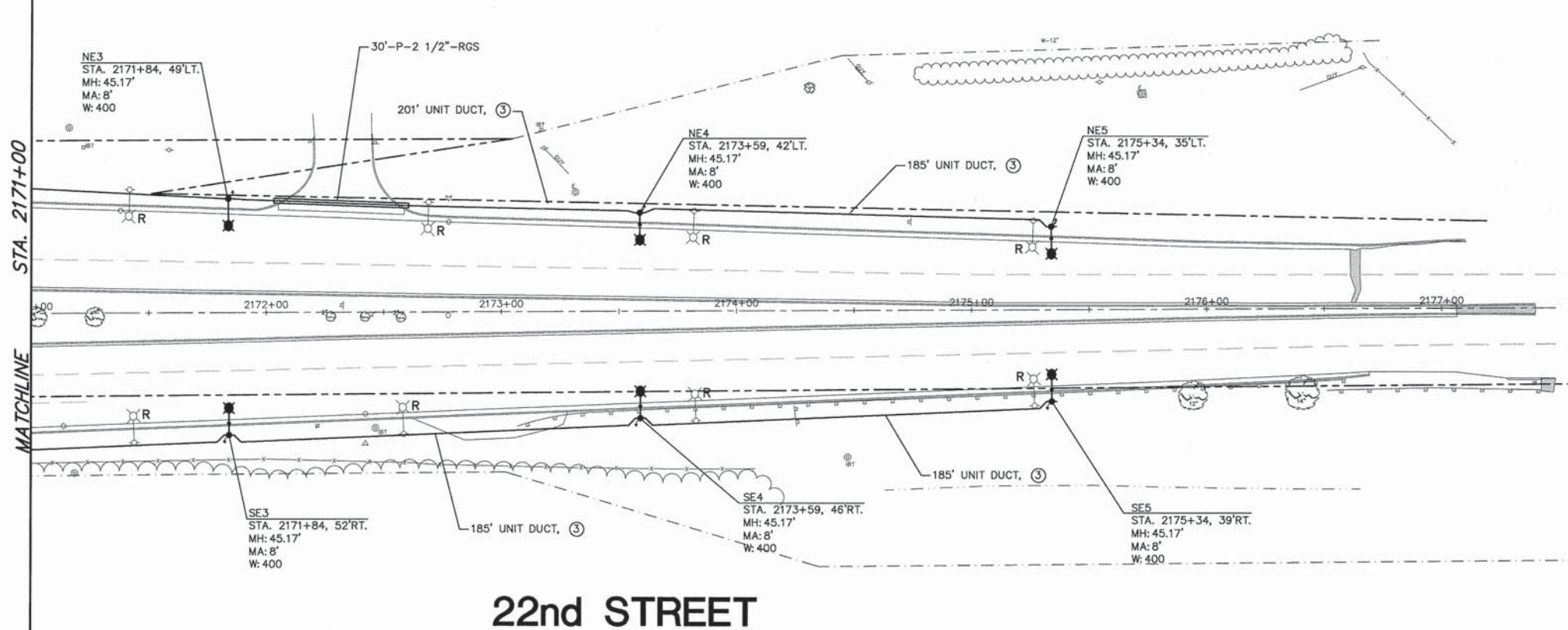
- LEGEND**
- EXISTING LIGHT FIXTURE
  - REMOVE LIGHTING UNIT
  - REMOVE LIGHT FIXTURE ONLY
  - PROPOSED LIGHT POLE & FIXTURE WO/BANNER ARM
  - PROPOSED LIGHT POLE & FIXTURE W/BANNER ARM
  - PROPOSED LUMINAIRE, IDOT MAINTAINED COMBINATION LIGHTING (COBRA HEAD STYLE), 400 WATT, HPS, MC III, 120V
  - PROPOSED COMBINATION LIGHTING LUMINAIRE, VILLAGE MAINTAINED
  - PROPOSED UNIT DUCT
  - PROPOSED GALVANIZED STEEL CONDUIT
  - PROPOSED CONCRETE HANDHOLE
  - EXISTING ELECTRICAL CONTROL CABINET
  - PROPOSED HOLIDAY FESTOON CABINET

- NOTES:**
1. ALL SPLICES SHALL OCCUR IN POLES OR IN ABOVE-GROUND JUNCTION BOXES.
  2. ALL RECEPTACLES SHALL BE GFCI/UL LISTED WITH COVERS COMPLIANT TO NEC ARTICLE 406.8(B)(2)(c). RECEPTACLES SHALL BE A MINIMUM OF 36 INCHES ABOVE GRADE.
  3. CONTRACTOR SHALL MAINTAIN AND OPERATE THE EXISTING LIGHTING SYSTEM UNTIL THE NEW LIGHTING SYSTEM IS ENERGIZED.
  4. COMBINATION LIGHTING MAINTAINED BY IDOT.



	ENGINEERING RESOURCE ASSOCIATES, INC. CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS	USER NAME = rlaner	DESIGNED - BD	REVISED - 01-20-2016	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>LIGHTING PLAN</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FILE NAME = H:\V\Projects\280115 22nd Street-Oak	DRAWN - RT	REVISED - ---	1453			13-00046-00-LS	DuPage	41	32	
	PLOT SCALE = #SCALE#	CHECKED - JM	REVISED - ---	CONTRACT NO. 61A39							
	PLOT DATE = 1/20/2016	DATE - 12-07-2015	REVISED - ---	FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT							
SCALE: 1"=30'					SHEET NO. 2 OF 5 SHEETS		STA. 2156+00 TO STA. 2171+00				





## 22nd STREET

DATE	
BY	
REVISION	
PLANNED	
NOTED	
ALIGNMENT CHECKED	
CONTRACT CHECKED	
FILE NAME	
NO.	

DATE	
BY	
REVISION	
PLANNED	
NOTED	
ALIGNMENT CHECKED	
CONTRACT CHECKED	
FILE NAME	
NO.	

- LEGEND**
- EXISTING LIGHT FIXTURE
  - REMOVE LIGHTING UNIT
  - REMOVE LIGHT FIXTURE ONLY
  - PROPOSED LIGHT POLE & FIXTURE WO/BANNER ARM
  - PROPOSED LIGHT POLE & FIXTURE W/BANNER ARM
  - PROPOSED LUMINAIRE, IDOT MAINTAINED COMBINATION LIGHTING (COBRA HEAD STYLE), 400 WATT, HPS, MC III, 120V
  - PROPOSED COMBINATION LIGHTING LUMINAIRE, VILLAGE MAINTAINED
  - PROPOSED UNIT DUCT
  - PROPOSED GALVANIZED STEEL CONDUIT
  - PROPOSED CONCRETE HANDHOLE
  - EXISTING ELECTRICAL CONTROL CABINET
  - PROPOSED HOLIDAY FESTOON CABINET

- NOTES:**
1. ALL SPLICES SHALL OCCUR IN POLES OR IN ABOVE-GROUND JUNCTION BOXES.
  2. ALL RECEPTACLES SHALL BE GFCI, UL LISTED WITH COVERS COMPLIANT TO NEC ARTICLE 406.8(B)(2)(c). RECEPTACLES SHALL BE A MINIMUM OF 36 INCHES ABOVE GRADE.
  3. CONTRACTOR SHALL MAINTAIN AND OPERATE THE EXISTING LIGHTING SYSTEM UNTIL THE NEW LIGHTING SYSTEM IS ENERGIZED.

- ① UNIT DUCT, 600 V, 6-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 2" DIA.
- ② UNIT DUCT, 600 V, 6-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/2" DIA.
- ③ UNIT DUCT, 600 V, 4-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA.
- ④ UNIT DUCT, 600 V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA.



ENGINEERING RESOURCE ASSOCIATES, INC. CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS	USER NAME = rtonner	DESIGNED - BD	REVISED - 01-20-2016
	FILE NAME = H:\Workshop\280115 22nd Street-Oak Brook\Cadd\280115-LDW	DRAWN - RT	REVISED - ---
	PLOT SCALE = #SCALE#	CHECKED - JM	REVISED - ---
	PLOT DATE = 1/20/2016	DATE - 12-07-2015	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

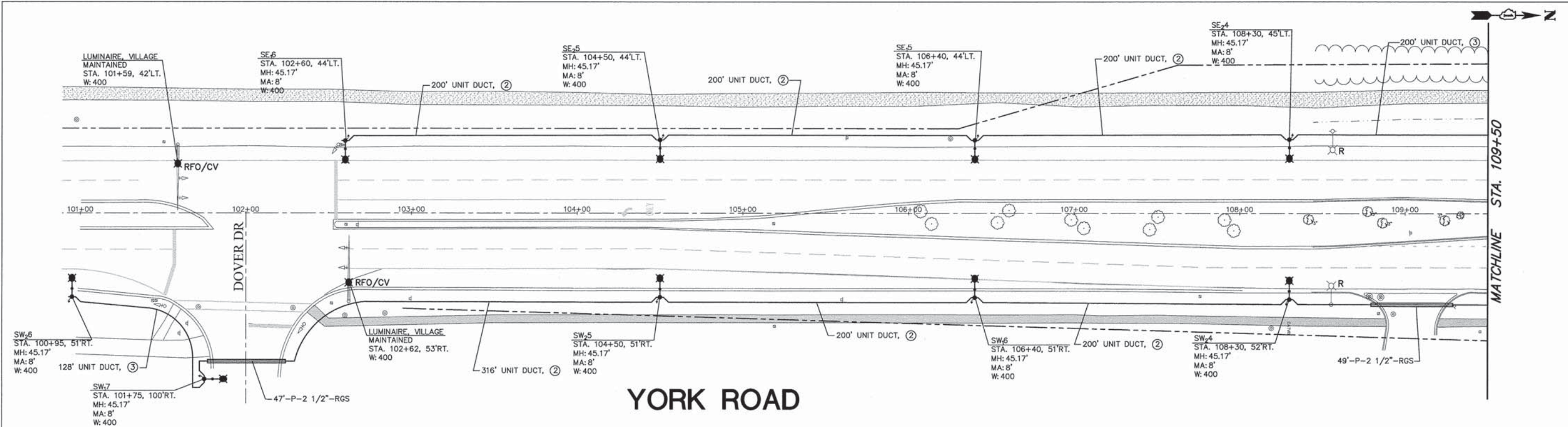
<b>LIGHTING PLAN</b>		
SCALE: 1"=30'	SHEET NO. 3 OF 5 SHEETS	STA. 2171+00 TO STA. 2177+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	13-00046-00-LS	DuPage	41	33
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 6IA39	

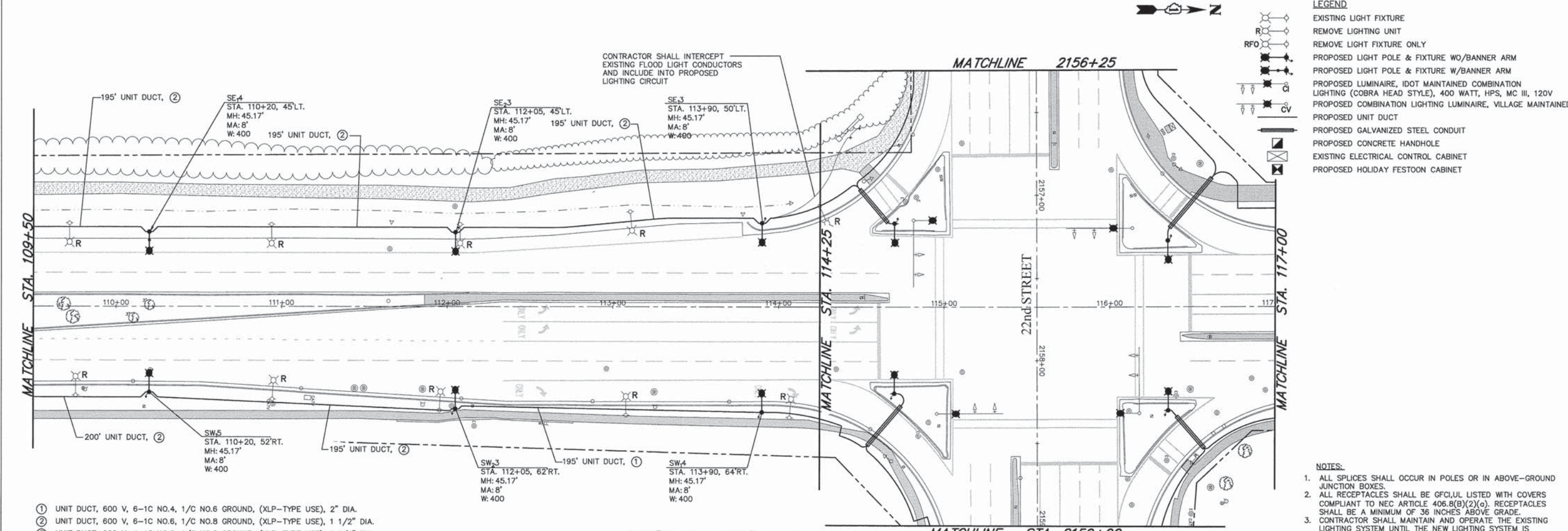


DATE	
BY	
REVISIONS	
NO.	DESCRIPTION
1	ISSUED FOR PERMIT
2	REVISED PER COMMENTS
3	REVISED PER COMMENTS
4	REVISED PER COMMENTS
5	REVISED PER COMMENTS
6	REVISED PER COMMENTS
7	REVISED PER COMMENTS
8	REVISED PER COMMENTS
9	REVISED PER COMMENTS
10	REVISED PER COMMENTS

DATE	
BY	
REVISIONS	
NO.	DESCRIPTION
1	ISSUED FOR PERMIT
2	REVISED PER COMMENTS
3	REVISED PER COMMENTS
4	REVISED PER COMMENTS
5	REVISED PER COMMENTS
6	REVISED PER COMMENTS
7	REVISED PER COMMENTS
8	REVISED PER COMMENTS
9	REVISED PER COMMENTS
10	REVISED PER COMMENTS



# YORK ROAD



# YORK ROAD

- LEGEND**
- EXISTING LIGHT FIXTURE
  - REMOVE LIGHTING UNIT
  - REMOVE LIGHT FIXTURE ONLY
  - PROPOSED LIGHT POLE & FIXTURE WO/BANNER ARM
  - PROPOSED LIGHT POLE & FIXTURE W/BANNER ARM
  - PROPOSED LUMINAIRE, IDOT MAINTAINED COMBINATION LIGHTING (COBRA HEAD STYLE), 400 WATT, HPS, MC III, 120V
  - PROPOSED COMBINATION LIGHTING LUMINAIRE, VILLAGE MAINTAINED
  - PROPOSED UNIT DUCT
  - PROPOSED GALVANIZED STEEL CONDUIT
  - PROPOSED CONCRETE HANDHOLE
  - EXISTING ELECTRICAL CONTROL CABINET
  - PROPOSED HOLIDAY FESTOON CABINET

- NOTES:**
1. ALL SPLICES SHALL OCCUR IN POLES OR IN ABOVE-GROUND JUNCTION BOXES.
  2. ALL RECEPTACLES SHALL BE GFCI/UL LISTED WITH COVERS COMPLIANT TO NEC ARTICLE 406.8(B)(2)(c). RECEPTACLES SHALL BE A MINIMUM OF 36 INCHES ABOVE GRADE.
  3. CONTRACTOR SHALL MAINTAIN AND OPERATE THE EXISTING LIGHTING SYSTEM UNTIL THE NEW LIGHTING SYSTEM IS ENERGIZED.

- ① UNIT DUCT, 600 V, 6-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 2" DIA.
- ② UNIT DUCT, 600 V, 6-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/2" DIA.
- ③ UNIT DUCT, 600 V, 4-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA.
- ④ UNIT DUCT, 600 V, 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA.

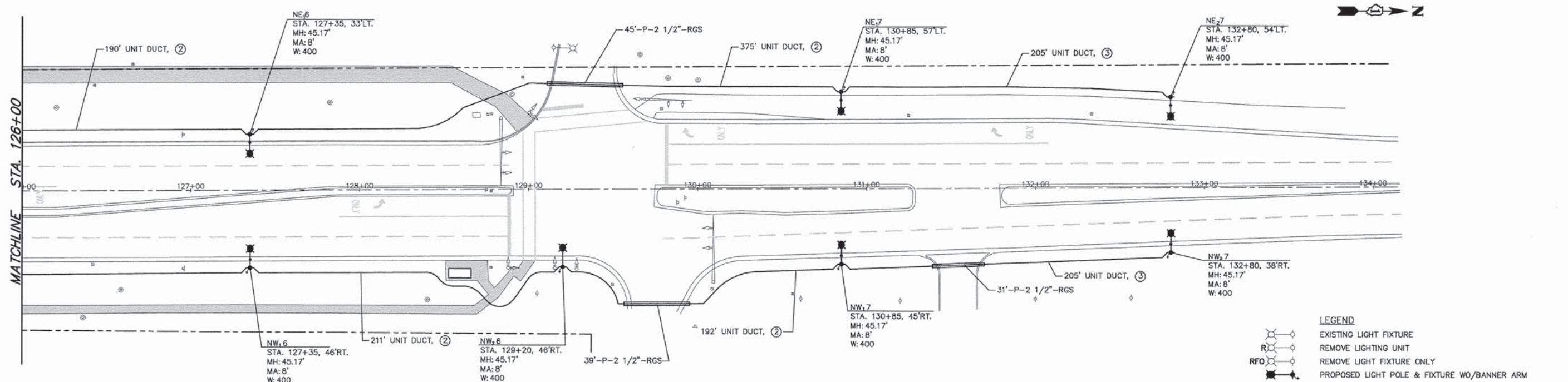
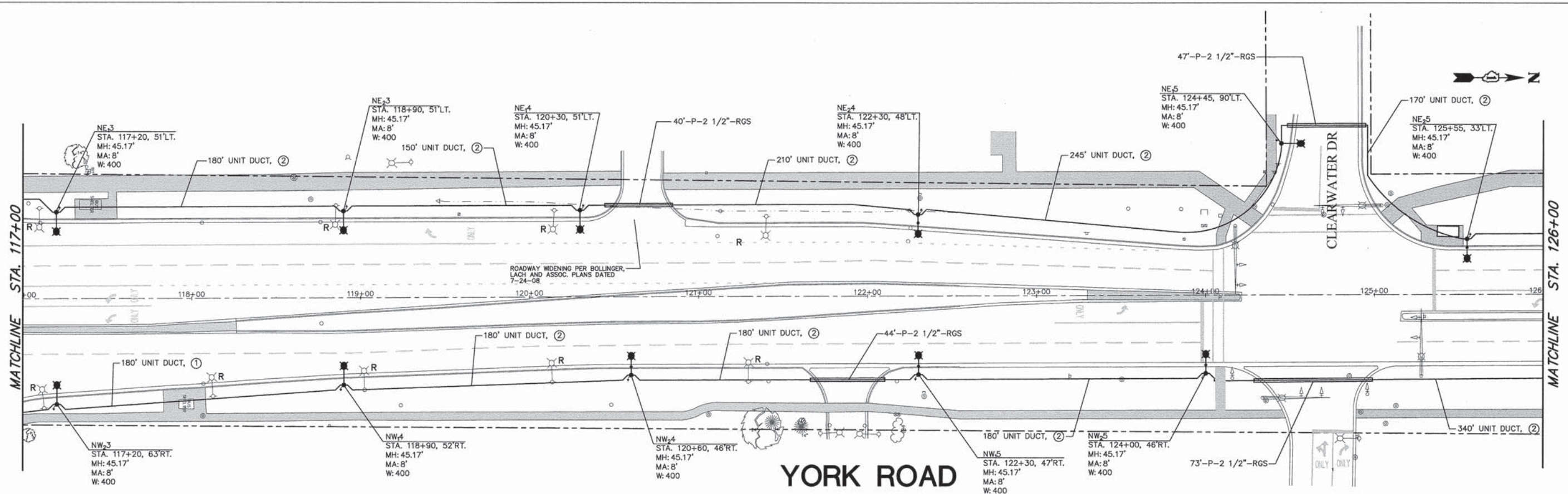
<b>ENGINEERING RESOURCE ASSOCIATES, INC.</b> CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS	USER NAME = rtanner	DESIGNED - BD	REVISED - 01-20-2016	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION  LIGHTING PLAN	F.A.U. RTE. 1453	SECTION 13-00046-00-LS	COUNTY DuPage	TOTAL SHEETS 41	SHEET NO. 34
	FILE NAME = H:\Villchosa\2016\10_22nd_Street-Oak Brook\Code\280111\NOTES.dwg	DRAWN - RT	REVISED - ---		CONTRACT NO. 6IA39				
	PLOT SCALE = #SCALE#	CHECKED - JM	REVISED - ---		FED. ROAD DIST. NO. - ILLINOIS   FED. AID PROJECT				
	PLOT DATE = 1/20/2016	DATE - 12-07-15	REVISED - ---						

SCALE: 1"=30' SHEET NO. 4 OF 5 SHEETS STA. 109+95 TO STA. 118+00



DATE	BY
SURVEYED	BY
ALIGNED	BY
CHECKED	BY
NO. _____	FILE NAME

DATE	BY
SURVEYED	BY
GRADES CHECKED	BY
NO. _____	NOTARY'S OFFICE



- ① UNIT DUCT, 600 V, 6-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 2" DIA.
- ② UNIT DUCT, 600 V, 6-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/2" DIA.
- ③ UNIT DUCT, 600 V, 4-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA.
- ④ UNIT DUCT, 600 V, 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA.

- NOTES:**
1. ALL SPLICES SHALL OCCUR IN POLES OR IN ABOVE-GROUND JUNCTION BOXES.
  2. ALL RECEPTACLES SHALL BE GFCI/UL LISTED WITH COVERS COMPLIANT TO NEC ARTICLE 408.8(B)(2)(c). RECEPTACLES SHALL BE A MINIMUM OF 36 INCHES ABOVE GRADE.
  3. CONTRACTOR SHALL MAINTAIN AND OPERATE THE EXISTING LIGHTING SYSTEM UNTIL THE NEW LIGHTING SYSTEM IS ENERGIZED.

**LEGEND**

	EXISTING LIGHT FIXTURE
	REMOVE LIGHTING UNIT
	REMOVE LIGHT FIXTURE ONLY
	PROPOSED LIGHT POLE & FIXTURE W/O BANNER ARM
	PROPOSED LIGHT POLE & FIXTURE W/ BANNER ARM
	PROPOSED LUMINAIRE, IDOT MAINTAINED COMBINATION LIGHTING (COBRA HEAD STYLE), 400 WATT, HPS, MC III, 120V
	PROPOSED COMBINATION LIGHTING LUMINAIRE, VILLAGE MAINTAINED
	PROPOSED UNIT DUCT
	PROPOSED GALVANIZED STEEL CONDUIT
	PROPOSED CONCRETE HANDHOLE
	EXISTING ELECTRICAL CONTROL CABINET
	PROPOSED HOLIDAY FESTOON CABINET



USER NAME = rlaner	DESIGNED - BD	REVISED - 01-20-2016
FILE NAME = H:\Projects\280115 2nd Street-Oak Brook\Code\280115-LDWG	DRAWN - RT	REVISED - ---
PLOT SCALE = #SCALE#	CHECKED - JM	REVISED - ---
PLOT DATE = 1/20/2016	DATE - 12-07-2015	REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN  
SCALE: 1"=30'  
SHEET NO. 5 OF 5 SHEETS  
STA. 118+00 TO STA. 135+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	I3-00046-00-L5	DuPage	41	35
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 6IA39	



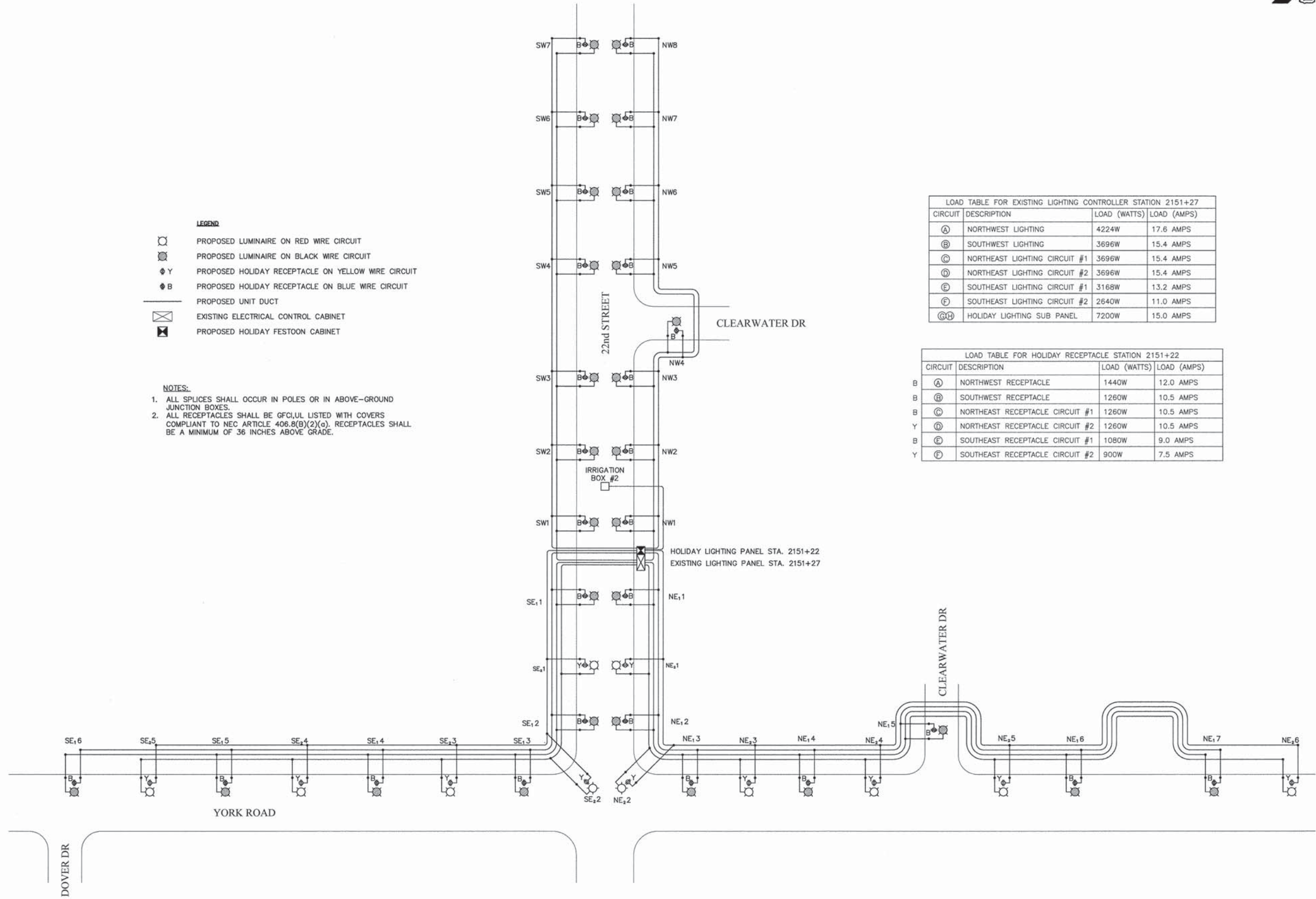


PLAN	SURVEYED	DATE
	ALLOTTED	
	BY	
	RT. OF WAY CHECKED	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	ALLOTTED	
	BY	
	RT. OF WAY CHECKED	
	CADD FILE NAME	

- LEGEND**
- PROPOSED LUMINAIRE ON RED WIRE CIRCUIT
  - PROPOSED LUMINAIRE ON BLACK WIRE CIRCUIT
  - PROPOSED HOLIDAY RECEPTACLE ON YELLOW WIRE CIRCUIT
  - PROPOSED HOLIDAY RECEPTACLE ON BLUE WIRE CIRCUIT
  - PROPOSED UNIT DUCT
  - EXISTING ELECTRICAL CONTROL CABINET
  - PROPOSED HOLIDAY FESTOON CABINET

- NOTES:**
- ALL SPLICES SHALL OCCUR IN POLES OR IN ABOVE-GROUND JUNCTION BOXES.
  - ALL RECEPTACLES SHALL BE GFCI, UL LISTED WITH COVERS COMPLIANT TO NEC ARTICLE 406.8(B)(2)(a). RECEPTACLES SHALL BE A MINIMUM OF 36 INCHES ABOVE GRADE.



LOAD TABLE FOR EXISTING LIGHTING CONTROLLER STATION 2151+27

CIRCUIT	DESCRIPTION	LOAD (WATTS)	LOAD (AMPS)
A	NORTHWEST LIGHTING	4224W	17.6 AMPS
B	SOUTHWEST LIGHTING	3696W	15.4 AMPS
C	NORTHEAST LIGHTING CIRCUIT #1	3696W	15.4 AMPS
D	NORTHEAST LIGHTING CIRCUIT #2	3696W	15.4 AMPS
E	SOUTHEAST LIGHTING CIRCUIT #1	3168W	13.2 AMPS
F	SOUTHEAST LIGHTING CIRCUIT #2	2640W	11.0 AMPS
G,H	HOLIDAY LIGHTING SUB PANEL	7200W	15.0 AMPS

LOAD TABLE FOR HOLIDAY RECEPTACLE STATION 2151+22

CIRCUIT	DESCRIPTION	LOAD (WATTS)	LOAD (AMPS)
A	NORTHWEST RECEPTACLE	1440W	12.0 AMPS
B	SOUTHWEST RECEPTACLE	1260W	10.5 AMPS
C	NORTHEAST RECEPTACLE CIRCUIT #1	1260W	10.5 AMPS
D	NORTHEAST RECEPTACLE CIRCUIT #2	1260W	10.5 AMPS
E	SOUTHEAST RECEPTACLE CIRCUIT #1	1080W	9.0 AMPS
F	SOUTHEAST RECEPTACLE CIRCUIT #2	900W	7.5 AMPS



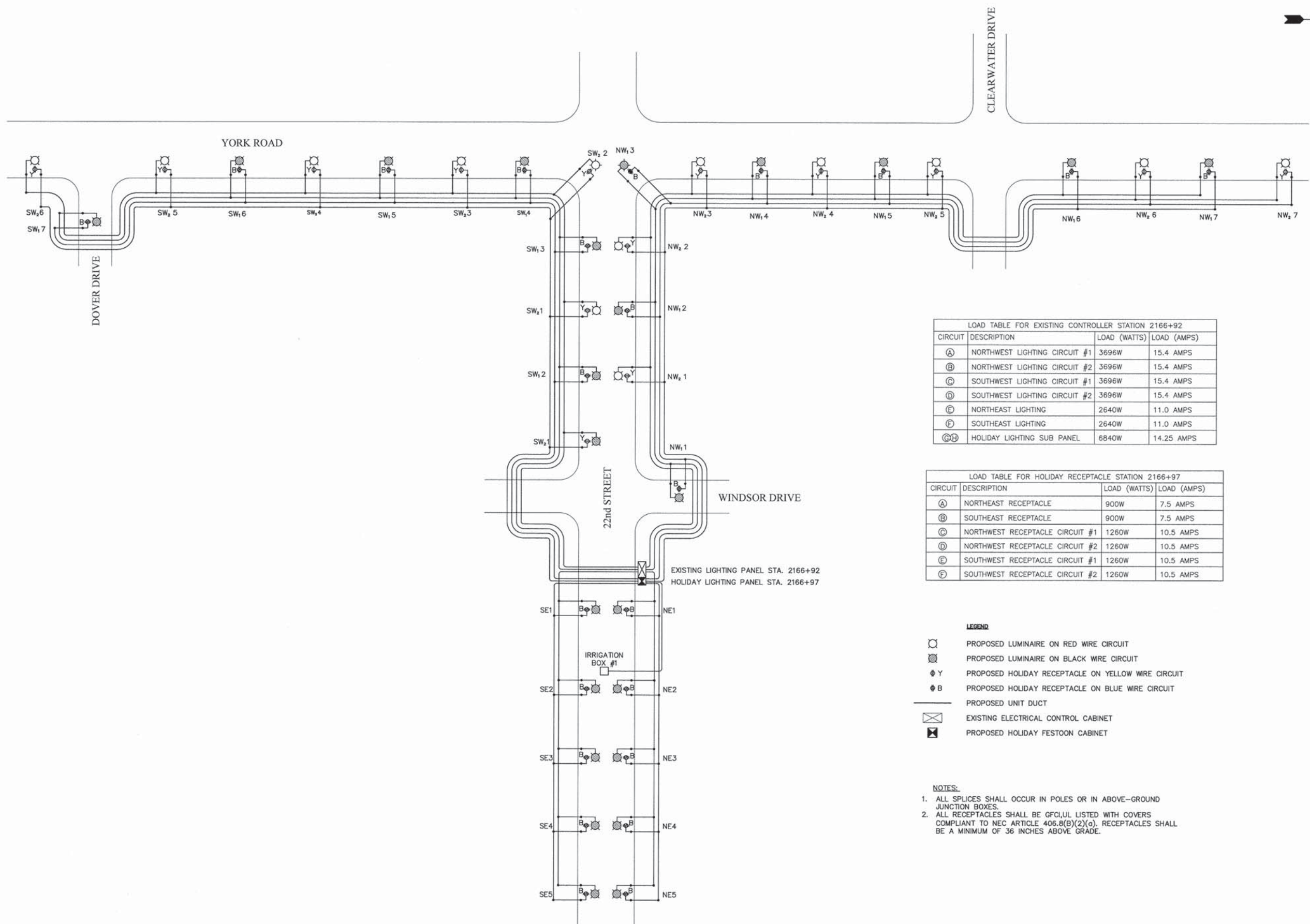
ENGINEERING RESOURCE ASSOCIATES, INC. CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS	USER NAME = rlanter	DESIGNED - BD	REVISED - ---
	FILE NAME = H:\Hhshook\280115 22nd Street-Oak Brook\Cadd\280115-LDWS	DRAWN - RT	REVISED - ---
	PLOT SCALE = #SCALE#	CHECKED - JM	REVISED - ---
	PLOT DATE = 12/7/2015	DATE - 12-07-2015	REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN		
SCALE: 1"=20'	SHEET NO. 1 OF 2 SHEETS	STA. TO STA.

F.A.J. RTE. 1453	SECTION 13-00046-00-LS	COUNTY DuPage	TOTAL SHEETS 41	SHEET NO. 36
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT CONTRACT NO. 6IA39				





LOAD TABLE FOR EXISTING CONTROLLER STATION 2166+92

CIRCUIT	DESCRIPTION	LOAD (WATTS)	LOAD (AMPS)
(A)	NORTHWEST LIGHTING CIRCUIT #1	3696W	15.4 AMPS
(B)	NORTHWEST LIGHTING CIRCUIT #2	3696W	15.4 AMPS
(C)	SOUTHWEST LIGHTING CIRCUIT #1	3696W	15.4 AMPS
(D)	SOUTHWEST LIGHTING CIRCUIT #2	3696W	15.4 AMPS
(E)	NORTHEAST LIGHTING	2640W	11.0 AMPS
(F)	SOUTHEAST LIGHTING	2640W	11.0 AMPS
(G)	HOLIDAY LIGHTING SUB PANEL	6840W	14.25 AMPS

LOAD TABLE FOR HOLIDAY RECEPTACLE STATION 2166+97

CIRCUIT	DESCRIPTION	LOAD (WATTS)	LOAD (AMPS)
(A)	NORTHEAST RECEPTACLE	900W	7.5 AMPS
(B)	SOUTHEAST RECEPTACLE	900W	7.5 AMPS
(C)	NORTHWEST RECEPTACLE CIRCUIT #1	1260W	10.5 AMPS
(D)	NORTHWEST RECEPTACLE CIRCUIT #2	1260W	10.5 AMPS
(E)	SOUTHWEST RECEPTACLE CIRCUIT #1	1260W	10.5 AMPS
(F)	SOUTHWEST RECEPTACLE CIRCUIT #2	1260W	10.5 AMPS

- LEGEND**
- PROPOSED LUMINAIRE ON RED WIRE CIRCUIT
  - PROPOSED LUMINAIRE ON BLACK WIRE CIRCUIT
  - ◆ Y PROPOSED HOLIDAY RECEPTACLE ON YELLOW WIRE CIRCUIT
  - ◆ B PROPOSED HOLIDAY RECEPTACLE ON BLUE WIRE CIRCUIT
  - PROPOSED UNIT DUCT
  - ⊠ EXISTING ELECTRICAL CONTROL CABINET
  - ⊠ PROPOSED HOLIDAY FESTOON CABINET

- NOTES:**
- ALL SPLICES SHALL OCCUR IN POLES OR IN ABOVE-GROUND JUNCTION BOXES.
  - ALL RECEPTACLES SHALL BE GFCI,UL LISTED WITH COVERS COMPLIANT TO NEC ARTICLE 406.8(B)(2)(a). RECEPTACLES SHALL BE A MINIMUM OF 36 INCHES ABOVE GRADE.

**PLAN**

DATE	BY

NOTE BOOK NO. \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 ALIGNED \_\_\_\_\_  
 RT. OF WAY CHECKED \_\_\_\_\_  
 CADD FILE NAME \_\_\_\_\_

**PROFILE**

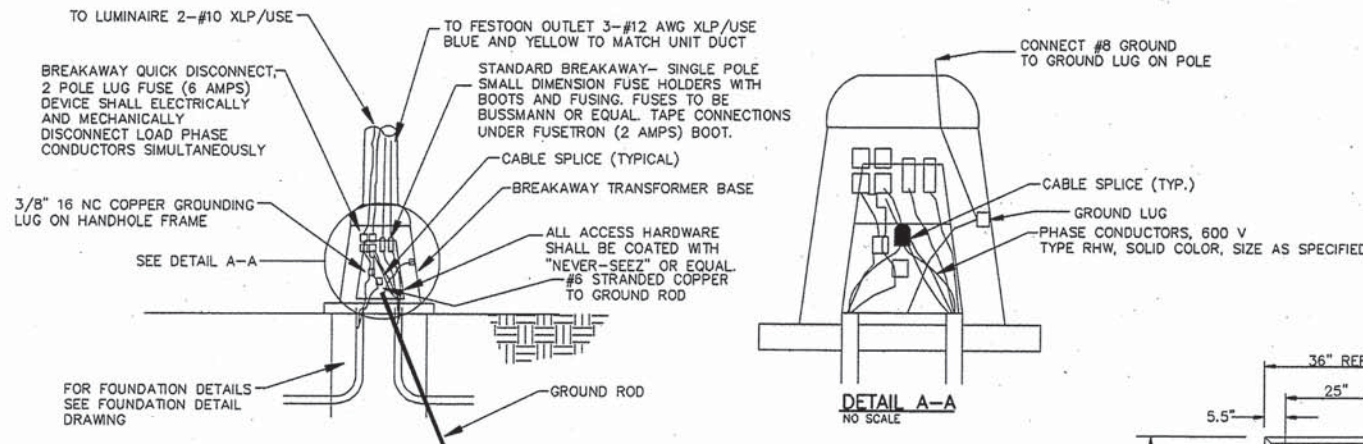
DATE	BY

NOTE BOOK NO. \_\_\_\_\_  
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 S.M. NOTED \_\_\_\_\_  
 STRUCTURE NOTATIONS CPND \_\_\_\_\_



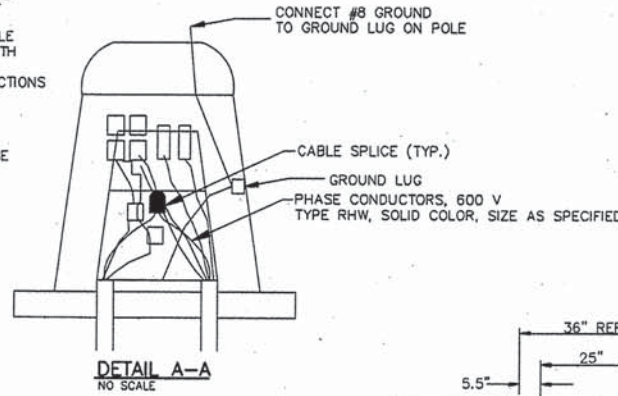
DATE	
BY	
REVISIONS	
NO.	
DATE	
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REVISIONS	
NO.	

DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	

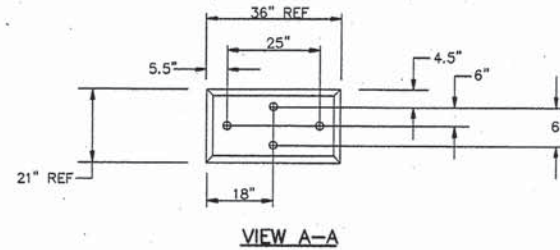


**POLE BASE DETAIL**  
NO SCALE

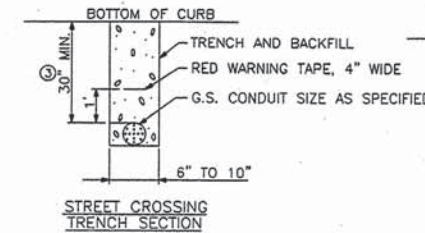
THE CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWINGS OR CATALOG CUTS FOR ALL EQUIPMENT



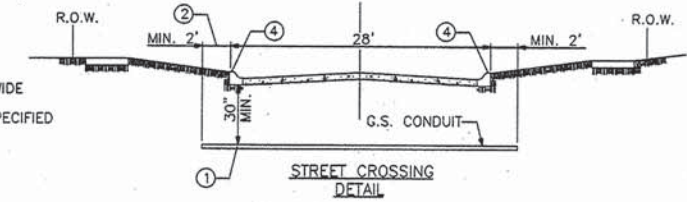
**DETAIL A-A**  
NO SCALE



**VIEW A-A**



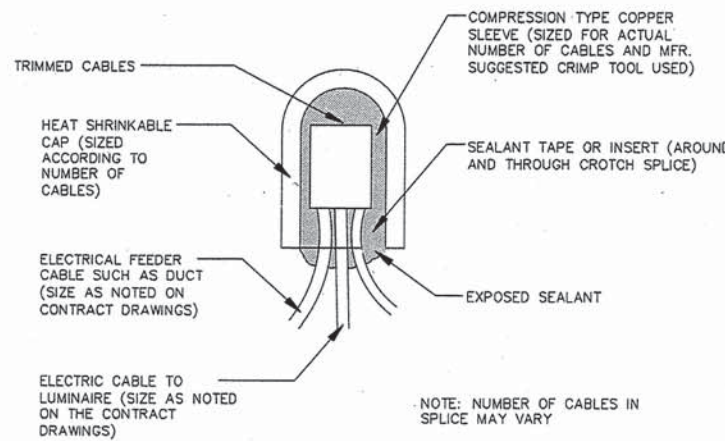
**STREET CROSSING TRENCH SECTION**



**STREET CROSSING DETAIL**

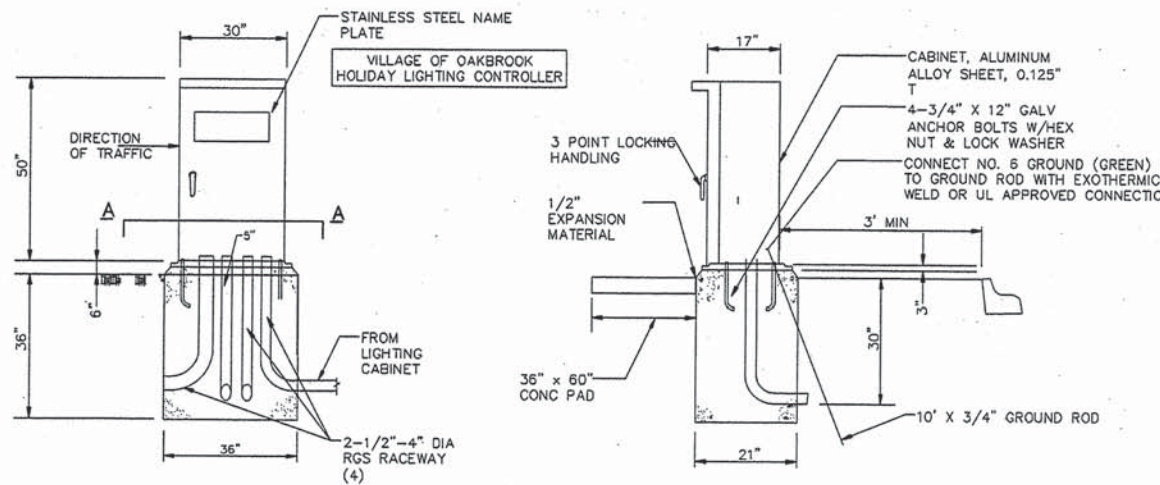
- ① CONDUIT SHALL BE HEAVY WALL RIGID G.S. CONDUIT.
- ② CONDUIT SHALL EXTEND A MINIMUM OF 2 FT. BEYOND BACK OF CURB.
- ③ CONDUIT SHALL BE A MINIMUM OF 30\"/>

**ELECTRICAL CONDUIT UNDER PAVEMENT**

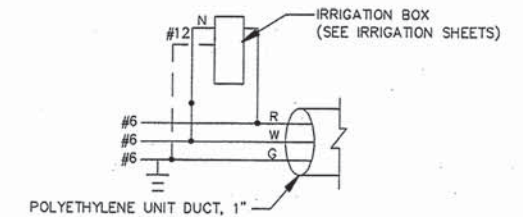


**ABOVE GROUND SPLICING ELECTRIC CABLE**  
NO SCALE

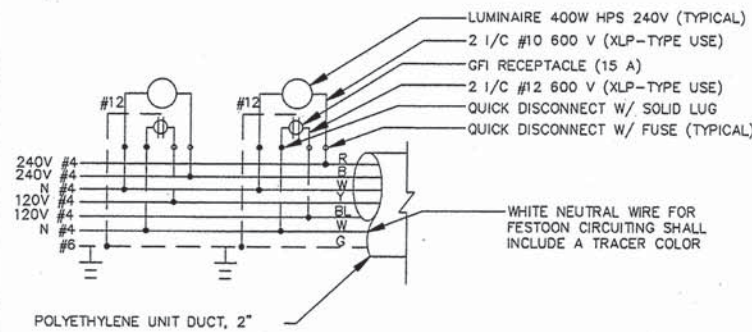
NOTE: NUMBER OF CABLES IN SPLICE MAY VARY



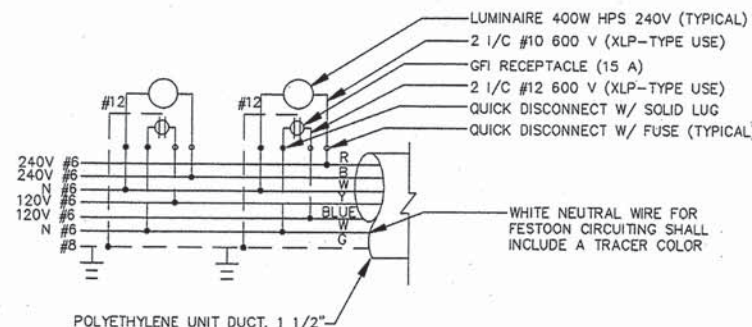
**HOLIDAY LIGHTING SUB PANEL CABINET & FOUNDATION DETAIL**  
NO SCALE



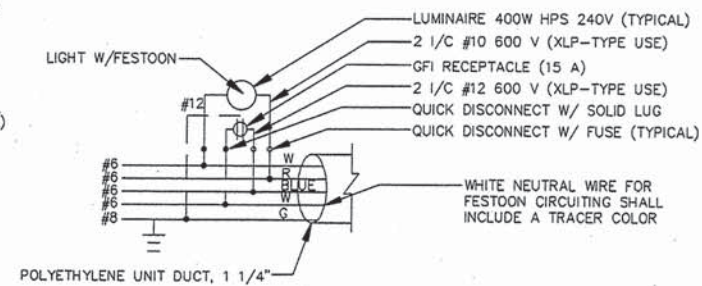
**IRRIGATION WIRING**



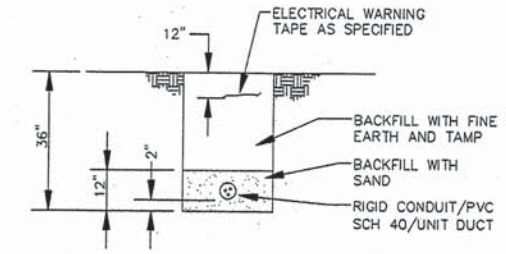
**UNIT DUCT ① LIGHT POLE WIRING W/FESTOON**



**UNIT DUCT ② LIGHT POLE WIRING W/FESTOON**



**UNIT DUCT ③ LIGHT POLE WIRING W/FESTOON**



**TRENCH BACKFILL FOR STREETLIGHTING DETAIL**  
NO SCALE



**ENGINEERING RESOURCE ASSOCIATES, INC.**  
CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS  
USER NAME = rtanner  
FILE NAME = N:\Villages\220115 22nd Street-06a  
PLOT SCALE = #SCALE#  
PLOT DATE = 1/28/2016  
DESIGNED - BD  
DRAWN - RT  
CHECKED - JM  
DATE - January, 2016  
REVISED - ---  
REVISED - ---  
REVISED - ---  
REVISED - ---

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**LIGHTING DETAILS**

SCALE: N.T.S. SHEET NO. 1 OF 4 SHEETS STA. TO STA.

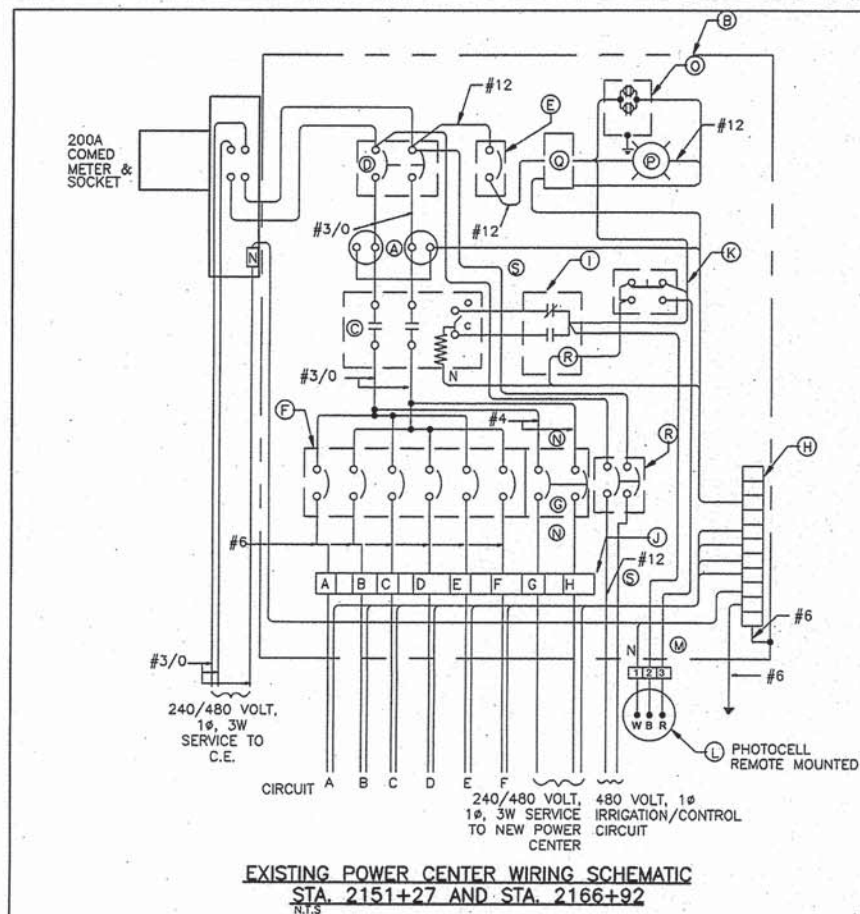
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	13-00046-00-LS	DuPage	41	38
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A39	







DATE	
BY	
REVISIONS	
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DATE	
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REVISIONS	
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DATE	
BY	
REVISIONS	
NO.	



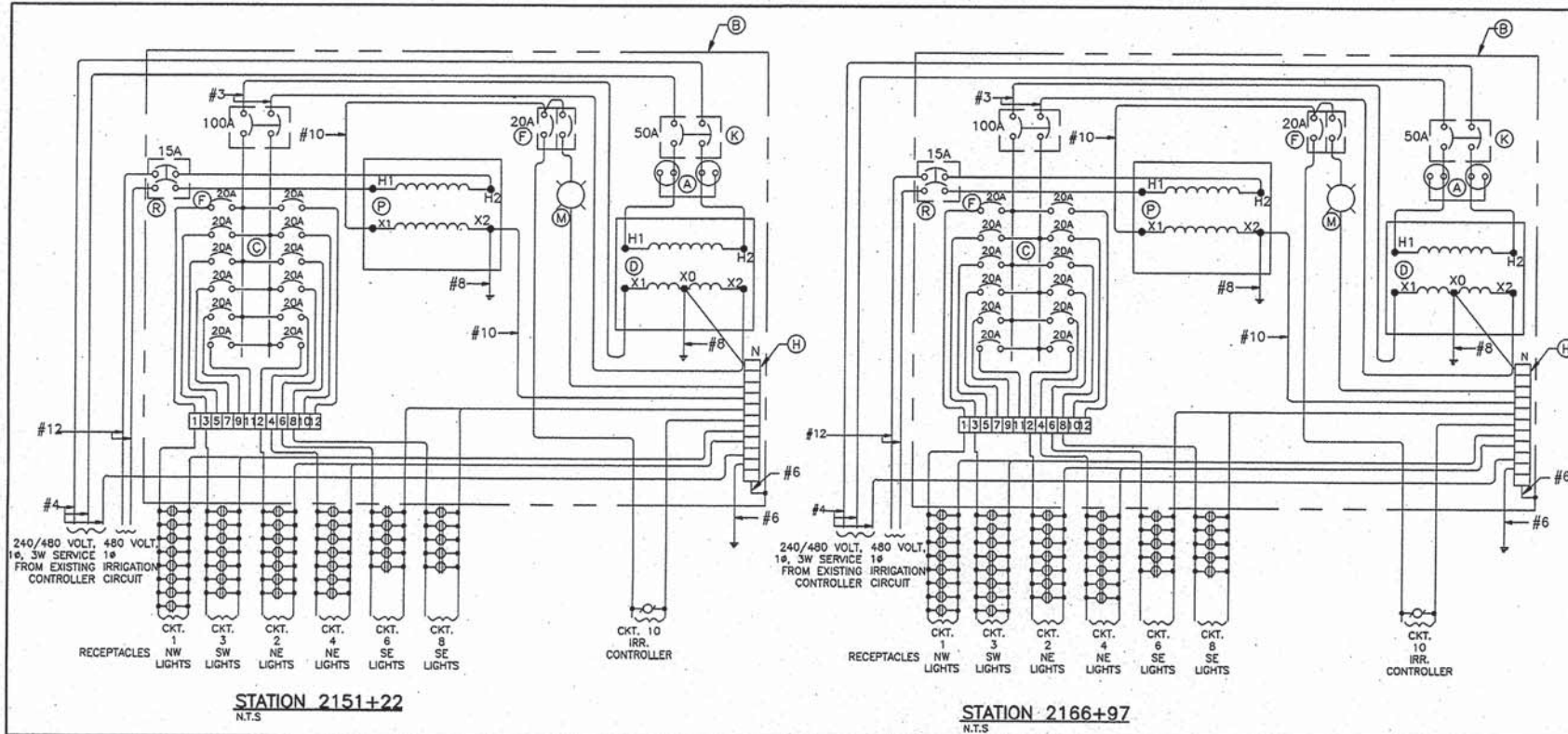
POWER CENTER EQUIPMENT	
ITEM	DESCRIPTION
(A)	EXISTING AC LINE SURGE PROTECTOR
(B)	EXISTING POWER CENTER ENCLOSURE
(C)	EXISTING 200A, 2 POLE, MECHANICALLY HELD, CONTACTOR, 240V. COIL
(D)	EXISTING 200A, 2 POLE, MAIN CIRCUIT BREAKER, 'E' FRAME
(E)	EXISTING 15A, 1 POLE, CONTROL CIRCUIT BREAKER, 'E' FRAME
(F)	EXISTING 30A, 1 POLE, BRANCH CIRCUIT BREAKER, 'E' FRAME (TYP. FOR 6)
(G)	NEW 50A, 2 POLE, BRANCH CIRCUIT BREAKER, 'E' FRAME
(H)	EXISTING NEUTRAL GROUND STRIP
(I)	EXISTING CONTROL RELAY
(J)	TERMINAL IDENTIFICATION
(K)	EXISTING ON-OFF-AUTO SELECTOR SWITCH
(L)	EXISTING PHOTOCELL (REMOTE MOUNTED)
(M)	3 POINT TERMINAL BLOCK
(N)	NEW WIRING. #4 AWG
(O)	EXISTING 15A, 120V, GROUNDED TYPE, WEATHERROOF RECEPTACLE
(P)	EXISTING 60W INCANDESCENT LIGHT WITH PULL CHAIN
(Q)	EXISTING CONTROL POWER TRANSFORMER
(R)	NEW 15A, 2 POLE, CONTROL CIRCUIT BREAKER, 'E' FRAME
(S)	NEW WIRING. #12 AWG

LOAD TABLE FOR EXISTING LIGHTING CONTROLLER STATION 2151+27			
CIRCUIT	DESCRIPTION	LOAD (WATTS)	LOAD (AMPS)
(A)	NORTHWEST LIGHTING	4224W	17.6 AMPS
(B)	SOUTHWEST LIGHTING	3696W	15.4 AMPS
(C)	NORTHEAST LIGHTING CIRCUIT #1	3696W	15.4 AMPS
(D)	NORTHEAST LIGHTING CIRCUIT #2	3696W	15.4 AMPS
(E)	SOUTHEAST LIGHTING CIRCUIT #1	3168W	13.2 AMPS
(F)	SOUTHEAST LIGHTING CIRCUIT #2	2640W	11.0 AMPS
(G,H)	HOLIDAY LIGHTING SUB PANEL	7200W	15.0 AMPS

LOAD TABLE FOR EXISTING CONTROLLER STATION 2166+92			
CIRCUIT	DESCRIPTION	LOAD (WATTS)	LOAD (AMPS)
(A)	NORTHWEST LIGHTING CIRCUIT #1	3696W	15.4 AMPS
(B)	NORTHWEST LIGHTING CIRCUIT #2	3696W	15.4 AMPS
(C)	SOUTHWEST LIGHTING CIRCUIT #1	3696W	15.4 AMPS
(D)	SOUTHWEST LIGHTING CIRCUIT #2	3696W	15.4 AMPS
(E)	NORTHEAST LIGHTING	2640W	11.0 AMPS
(F)	SOUTHEAST LIGHTING	2640W	11.0 AMPS
(G,H)	HOLIDAY LIGHTING SUB PANEL	6840W	14.25 AMPS

EXISTING POWER CENTER WIRING SCHEMATIC

DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	



POWER CENTER EQUIPMENT	
ITEM	DESCRIPTION
(A)	AC LINE SURGE PROTECTOR
(B)	POWER CENTER ENCLOSURE
(C)	100A, 2 POLE, 12 CIRCUIT PANEL WITH 100A MAIN C/B
(D)	30KVA TRANSFORMER, 480-120/240V, 1Ø
(E)	15A, 1 POLE, CONTROL CIRCUIT BREAKER, 'E' FRAME
(F)	20A, 1 POLE, BRANCH CIRCUIT BREAKER, 'E' FRAME
(G)	15A, 120V, GROUNDED TYPE, WEATHERROOF RECEPTACLE
(H)	NEUTRAL GROUND STRIP
(I)	CONTROL RELAY
(J)	TERMINAL IDENTIFICATION
(K)	50A, 2 POLE, CIRCUIT BREAKER
(L)	100A, 2 POLE, MECHANICALLY HELD CONTACTOR
(M)	60W INCANDESCENT LIGHT WITH PULL CHAIN
(R)	15A, 2-POLE CONTROL CIRCUIT BREAKER, 'E' FRAME

LOAD TABLE FOR EXISTING CONTROLLER STATION 2151+22			
CIRCUIT	DESCRIPTION	LOAD (WATTS)	LOAD (AMPS)
(A)	NORTHWEST LIGHTING	4224W	17.6 AMPS
(B)	SOUTHWEST LIGHTING	3696W	15.4 AMPS
(C)	NORTHEAST LIGHTING CIRCUIT #1	3696W	15.4 AMPS
(D)	NORTHEAST LIGHTING CIRCUIT #2	2640W	11.0 AMPS
(E)	SOUTHEAST LIGHTING CIRCUIT #1	2718W	11.7 AMPS
(F)	SOUTHEAST LIGHTING CIRCUIT #2	2640W	11.0 AMPS
(G,H)	HOLIDAY LIGHTING RECEPTACLES	8020W	33.4 AMPS

LOAD TABLE FOR EXISTING CONTROLLER STATION 2166+97			
CIRCUIT	DESCRIPTION	LOAD (WATTS)	LOAD (AMPS)
(A)	NORTHWEST LIGHTING CIRCUIT #1	4224W	17.6 AMPS
(B)	NORTHWEST LIGHTING CIRCUIT #2	3168W	13.2 AMPS
(C)	SOUTHWEST LIGHTING CIRCUIT #1	4224W	17.6 AMPS
(D)	SOUTHWEST LIGHTING CIRCUIT #2	3168W	13.2 AMPS
(E)	NORTHEAST LIGHTING	2640W	11.0 AMPS
(F)	SOUTHEAST LIGHTING	2640W	11.0 AMPS
(G,H)	HOLIDAY LIGHTING RECEPTACLES	8200W	34.2 AMPS

WIRING SCHEMATIC FOR HOLIDAY FESTOON SUB PANEL POWER CENTER



USER NAME = rtonner	DESIGNED - BD	REVISED - 01-20-2016
FILE NAME = H:\Vilhoock\280115 22nd Street-Oak Brook\Code\Lighting_Details.dwg	DRAWN - RT	REVISED - ---
PLOT SCALE = #SCALE#	CHECKED - JM	REVISED - ---
PLOT DATE = 2/2/2016	DATE - February, 2016	REVISED - ---

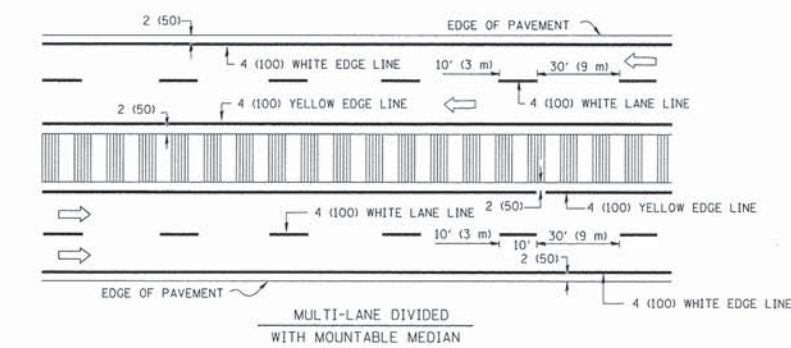
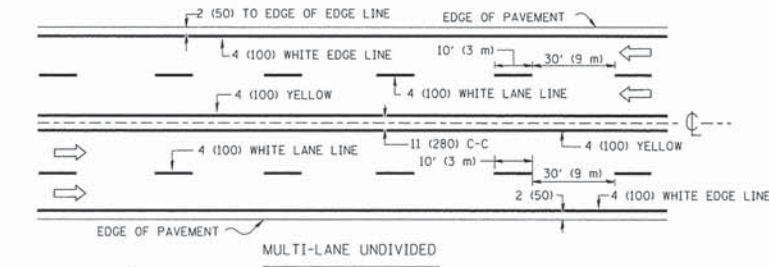
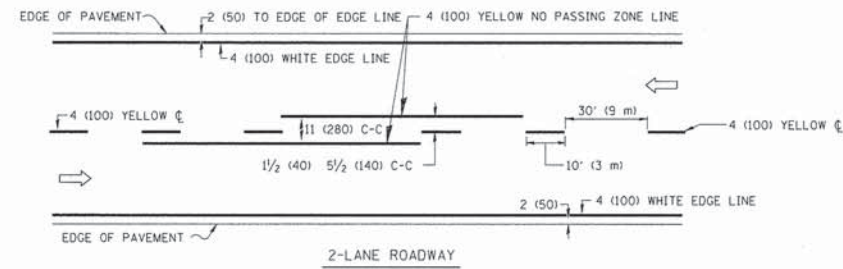
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS

SCALE: N.T.S. SHEET NO. 3 OF 4 SHEETS STA. TO STA.

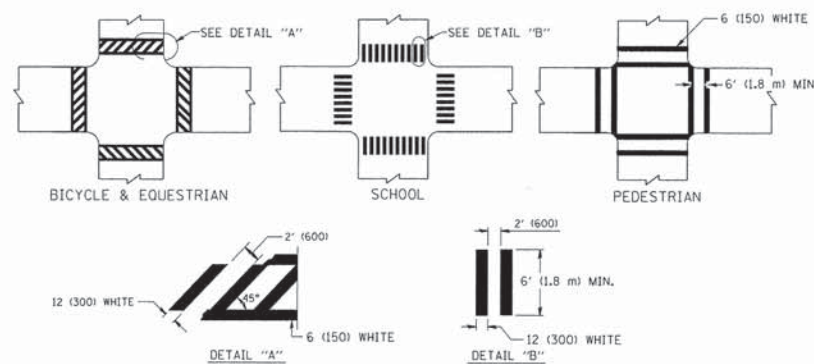
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61A39				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



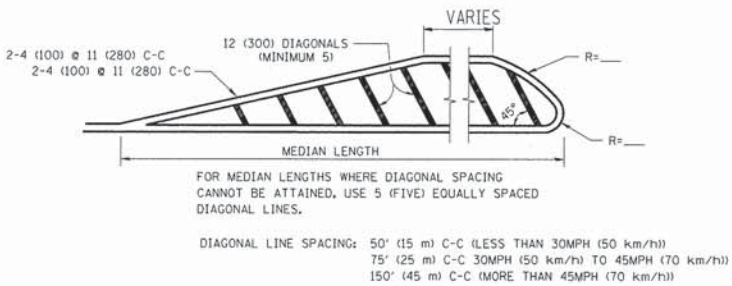
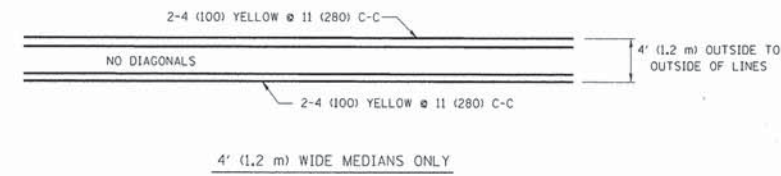


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

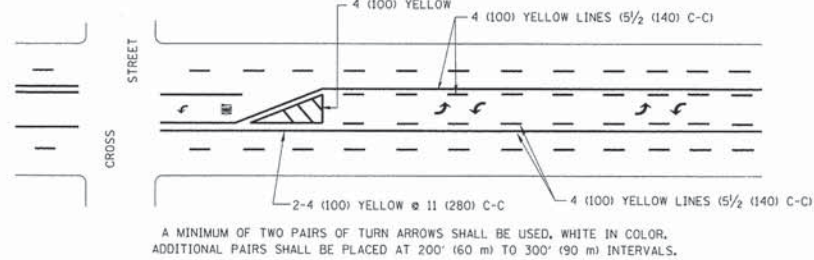
TYPICAL LANE AND EDGE LINE MARKING



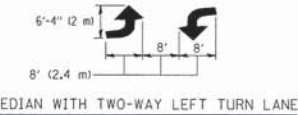
TYPICAL CROSSWALK MARKING



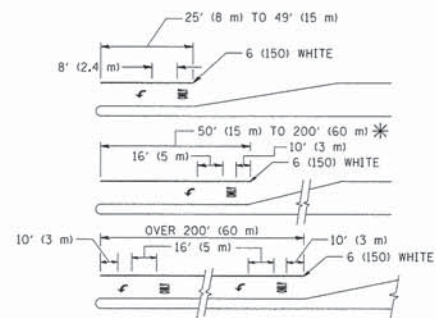
MEDIANS OVER 4' (1.2 m) WIDE



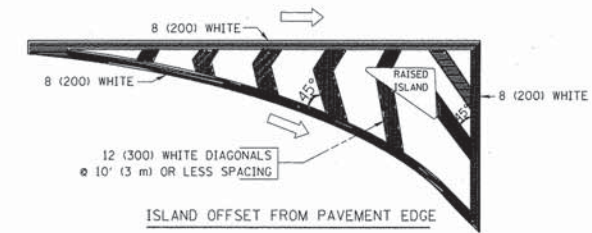
TYPICAL PAINTED MEDIAN MARKING



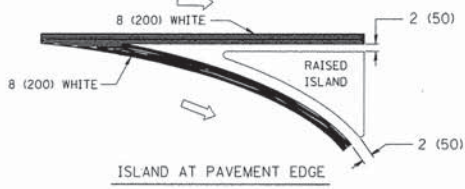
TYPICAL PAINTED MEDIAN MARKING



TYPICAL LEFT (OR RIGHT) TURN LANE



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND 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	4 (100)	SOLID	YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE
NO PASSING ZONE LINES: FOR BOTH DIRECTIONS	2 @ 4 (100)	SOLID	YELLOW	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	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN)	2 @ 6 (150)	SOLID	WHITE	NOT LESS THAN 6' (1.8 m) APART
A. DIAGONALS (BIKE & EQUESTRIAN)	12 (300) @ 45°	SOLID	WHITE	2' (600) APART
B. LONGITUDINAL BARS (SCHOOL)	12 (300) @ 90°	SOLID	WHITE	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°	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
	NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS			
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
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.

FILE NAME =	USER NAME = drvakosgn	DESIGNED - EVERS	REVISED -T. RAMMACHER 10-27-94
al:\p\work\p\dot\drvakosgn\10188315\td	3.dgn	DRAWN -	REVISED -C. JUCIUS 09-09-09
	PLOT SCALE = 50,000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -

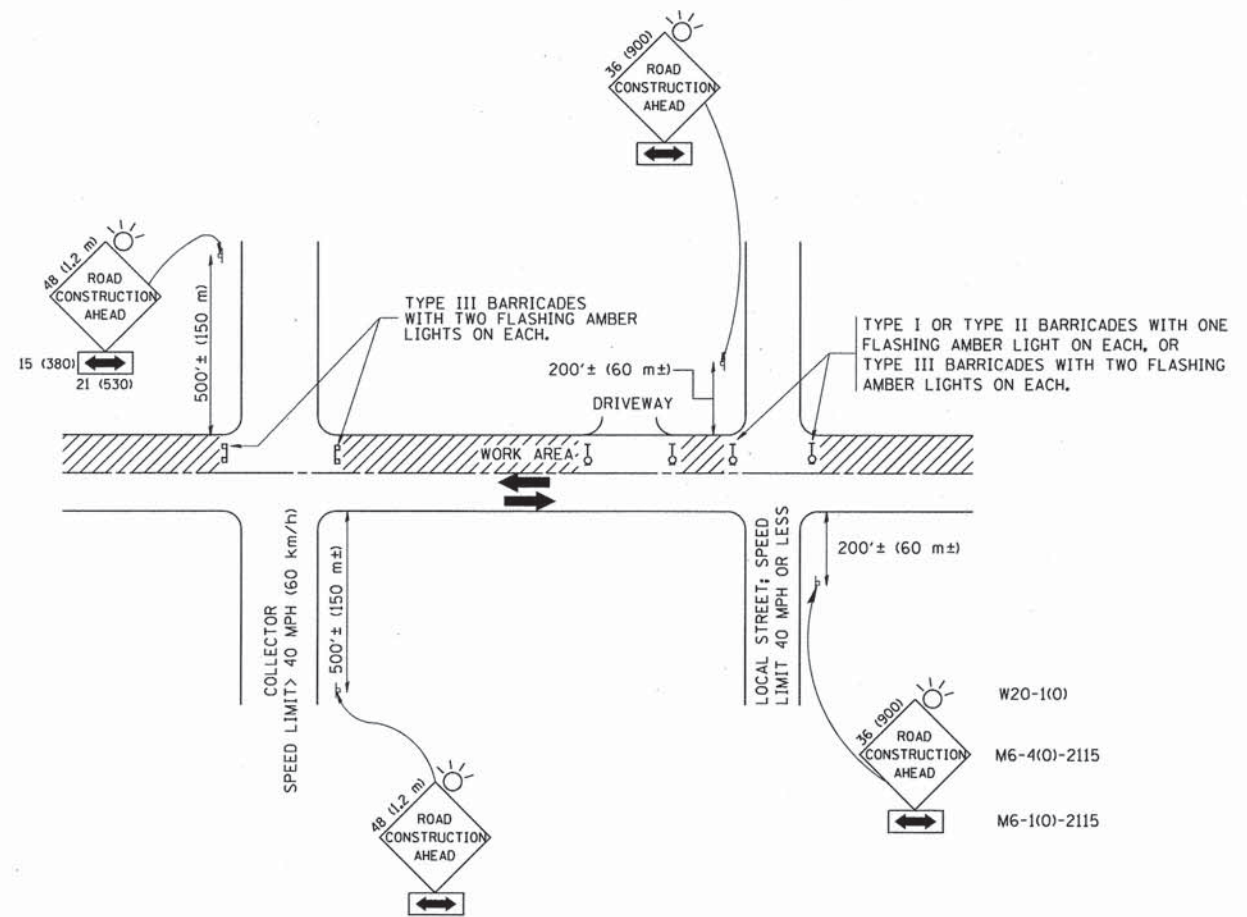
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			41	41
TC-13		CONTRACT NO.		
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

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





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.

FILE NAME = W:\diststd\22x34\tcf18.dgn	USER NAME = ggglsonob1	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
		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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			41	41A
TC-10			CONTRACT NO.	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				