

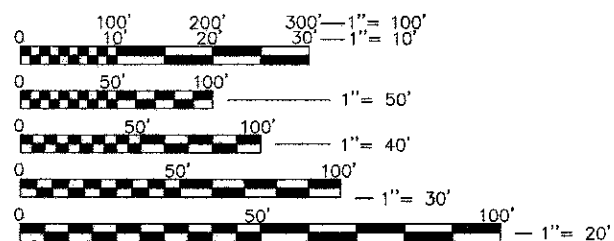
PROGRAM AND OFFICE ENGINEER: CHARLES F RIDDLE, P.E., (847) 705-4406 SCHAUMBURG, IL
 PROJECT ENGINEER: GARY SALAVITCH, P.E., (847) 252-5800 HOFFMAN ESTATES, IL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	COOK	97	1
				ILLINOIS Contract No. 63749

INDEX OF SHEETS

- 1 TITLE SHEET
- 2 GENERAL NOTES AND LEGEND
- 3-5 SUMMARY OF QUANTITIES
- 6 TYPICAL SECTION
- 7-19 CONSTRUCTION TRAFFIC STAGING
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- 37 PLAN AND PROFILE-HUNTINGTON BOULEVARD
- 38-48 DRAINAGE, UTILITIES & EROSION AND SEDIMENT CONTROL
- 49-54 STRIPING & SIGNAGE PLAN
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- 60-66 DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS
- 67-68 TRAFFIC SIGNAL INSTALLATION PLANS-PALATINE RD & HUNTINGTON BLVD
- 69-70 TEMPORARY TRAFFIC SIGNAL PLANS-PALATINE RD AND CHAMBERS DR
- 71-72 TRAFFIC SIGNAL MODERNIZATION PLANS-PALATINE RD AND CHAMBERS DR
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FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2



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

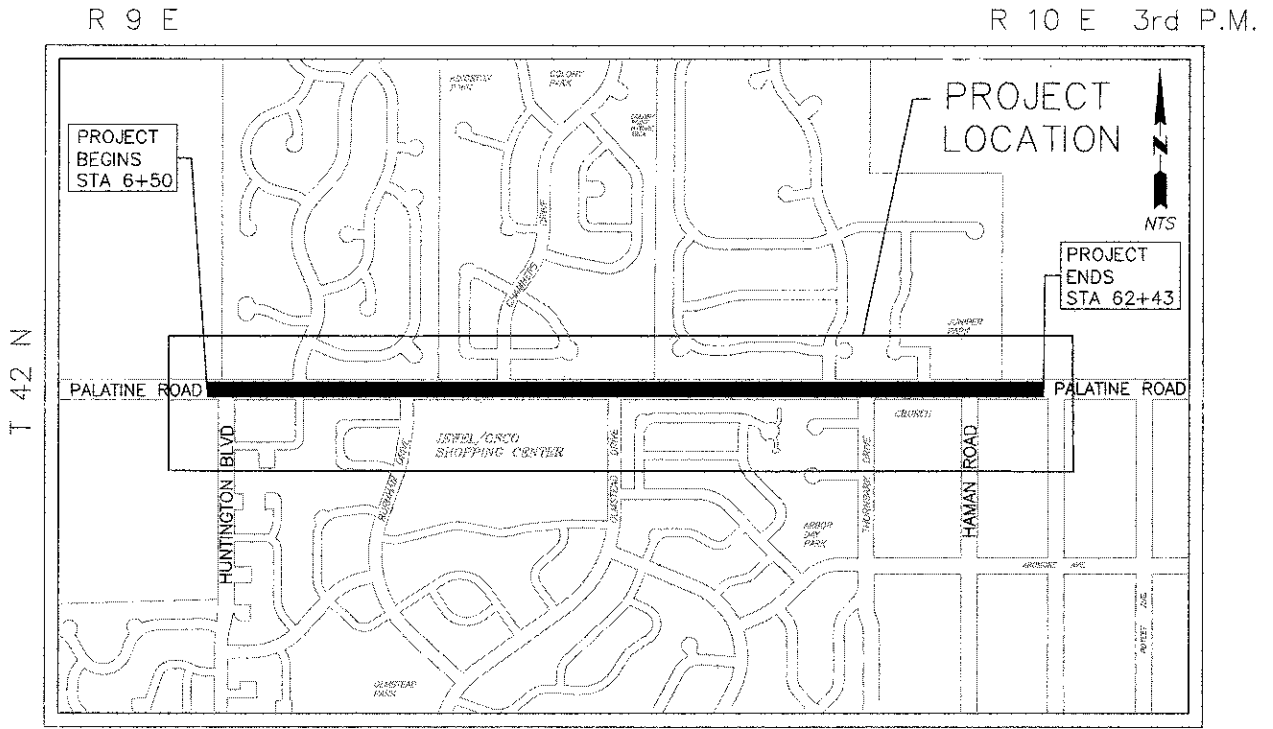
J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123
 OR 811

CONTRACT NO. 63749

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
 FEDERAL AID HIGHWAY**
 FAU ROUTE 1285 (PALATINE ROAD)
 HUNTINGTON BOULEVARD TO HAMAN ROAD
CHANNELIZATION & SIGNALS
 SECTION NO. 09-00082-00-CH
 PROJECT NO. M-9003(492)
 VILLAGE OF HOFFMAN ESTATES
 COOK COUNTY
 JOB NO. C-91-079-10

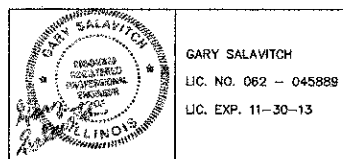


LOCATION OF SECTION INDICATED THUS: - [black bar] -



LOCATION MAP SCALE: NTS

GROSS LENGTH = 5593 LIN. FT. (1.06 MILES)
 NET LENGTH = 5593 LIN. FT. (1.06 MILES)



PALATINE ROAD
 2009 ADT = 10,400 POSTED SPEED: 45 MPH
 2030 ADT = 12,000 DESIGN SPEED: 55 MPH
 FUNCTIONAL CLASSIFICATION: MINOR ARTERIAL

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

APPROVED November 7, 2012
Gary Salavitch
 VILLAGE OF HOFFMAN ESTATES, DIRECTOR OF ENGINEERING

PASSED November 9, 2012
Chad Carter
 DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS


Releasing for Bid
 Based on Limited
 Review November 9, 2012
John Furbush
 DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS











GENERAL NOTES

- ITEMS OF WORK LISTED IN THE SUMMARY OF QUANTITIES WHICH ARE NOT SPECIFICALLY INDICATED IN THE PLANS SHALL BE PERFORMED AT LOCATIONS AS DIRECTED BY THE ENGINEER.
- THE ENGINEER SHALL NOT ASSUME ANY OF THE RESPONSIBILITIES OF THE CONTRACTOR'S SUPERINTENDENT OR OF SUBCONTRACTORS. ADDITIONALLY, THE ENGINEER SHALL NOT ADVISE ON, OR ISSUE DIRECTIONS CONCERNING ASPECTS OF CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OF PROCEDURES, OR SAFETY PRECAUTIONS AND/OR PROGRAMS IN CONNECTION WITH THE WORK.
- THE LOCATION OF PUBLIC AND PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THEIR ACCURACY IS NOT GUARANTEED. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND ELEVATION OF ALL UTILITIES. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER AT ONCE. THE CONTRACTOR SHALL TAKE DUE CARE IN ALL PHASES OF THE CONSTRUCTION TO PROTECT ANY UTILITIES WHICH MAY BE AFFECTED BY THE WORK. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- FOR UNDERGROUND UTILITY LOCATIONS, CALL 48 HOURS BEFORE DIGGING, (EXCLUDING SATURDAY, SUNDAY & HOLIDAYS) J.U.L.I.E. 1-800-692-0123 OR 811.
- THE PROPOSED PROFILE WILL MATCH EXISTING ON ALL SHEETS UNLESS OTHERWISE NOTED.
- THE VILLAGE OF HOFFMAN ESTATES AND/OR ITS REPRESENTATIVE WILL BE PROVIDING CONSTRUCTION LAYOUT AND STAKING OF THE PROPOSED IMPROVEMENTS.
- THE CONTRACTOR SHALL KEEP THE AREA OF CONSTRUCTION FREE OF DEBRIS AND OBJECTIONABLE MATERIALS DURING CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN ALL DRAINAGE FACILITIES DURING CONSTRUCTION AND SHALL REPAIR ANY DRAINAGE FACILITIES DAMAGED DURING CONSTRUCTION. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND WILL NOT BE PAID FOR SEPARATELY.
- ALL SIDEWALKS WITHIN THE PROJECT LIMITS THAT ARE ADJACENT TO THE CURB SHALL BE REMOVED AND REPLACED TO CONSTRUCT ADA RAMPS ACCORDING TO IDOT STANDARDS 424001 AND 424016.
- THE CONTRACTOR SHALL PROTECT ALL SIDEWALKS AND CURB & GUTTER FROM DAMAGE AND VANDALISM.
- THE CONTRACTOR SHALL VERIFY THE ELEVATION AND LOCATION OF EXISTING SEWERS PRIOR TO THE START OF CONSTRUCTION OF NEW SEWERS.
- ALL SAW CUTTING SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE PRICE OF THE APPLICABLE PAY ITEMS. SAW CUTTING SHALL BE PERFORMED AT LOCATIONS DESIGNATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- PROOF ROLLS SHALL BE CONDUCTED ON ALL SUBGRADE AT INTERVALS NOT LESS THAN 100 FEET OR AS DIRECTED BY THE ENGINEER.
- WHENEVER, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, DITCHES, GUTTERS, ETC. SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL WILL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.







CONSTRUCTION STAGING LEGEND

 CONSTRUCTION STAGING WORK AREA

DEMOLITION LEGEND





















































-  UTILITY REMOVAL
-  GUARDRAIL REMOVAL
-  PAVED SHOULDER REMOVAL
-  CONCRETE SIDEWALK REMOVAL
-  B6.12 CURB & GUTTER REMOVAL
-  TREE REMOVAL, ACRES
-  BUTT JOINT
-  TREE REMOVAL, DIAMETER SHOWN
-  SAW CUT - FULL DEPTH
-  SIGN TO BE RELOCATED

PROPOSED CONDITIONS LEGEND

-  PROPOSED RESURFACING
-  PROPOSED HMA PAVEMENT WIDENING
-  PROPOSED AGGREGATE SHOULDER
-  PROPOSED CONCRETE SIDEWALK
-  PROPOSED B6.12 CURB & GUTTER
-  DETECTABLE WARNINGS

- ALL RADII DIMENSIONS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- AGGREGATE SUBGRADE IMPROVEMENT HAS BEEN PROVIDED FOR SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER (BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH THE IDOT STABILITY MANUAL). NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR FOR ANY ADDITIONS TO OR DEDUCTIONS FROM THE CONTRACT AMOUNT. IF NO ADDITIONAL UNSUITABLE SOILS ARE ENCOUNTERED, THEN THE EXCESS QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
- THE CONTRACTOR SHALL NOTIFY THE IDOT TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

LEGEND









- | EXISTING | PROPOSED | |
|---|---|---------------------------------|
|  |  | STORM MANHOLE |
|  |  | STORM INLET |
|  |  | CATCH BASIN |
|  |  | SANITARY MANHOLE |
|  |  | WATER MANHOLE |
|  |  | UTILITY POLE |
|  |  | FIRE HYDRANT |
|  |  | LOCAL STORM SEWER |
|  |  | STORM SEWER |
|  |  | SANITARY SEWER |
|  |  | WATER MAIN |
|  |  | FLARED END SECTION |
|  |  | SIGN |
|  |  | REGRADE LIMITS |
|  |  | ROW LINE |
|  |  | DITCH LINE |
|  |  | LIGHT POLE |
|  |  | DETECTABLE WARNING |
|  |  | INLET AND PIPE PROTECTION |
|  |  | STRUCTURES TO BE ADJUSTED |
|  |  | COMCAST TV CABLE |
|  |  | COMED AERIAL CABLE |
|  |  | NICOR GAS LINE |
|  |  | COMED BURIED CABLE |
|  |  | UNDERGROUND FIBER OPTIC LINE |
|  |  | AT&T UNDERGROUND TELEPHONE LINE |
- ALL ACCIDENTS OCCURRING ON THE JOB WHICH DAMAGE PUBLIC OR PRIVATE PROPERTY, OR RESULT IN INJURIES TO WORKER OR OTHER PERSONS, SHALL BE PROMPTLY REPORTED TO THE HOFFMAN ESTATES TRANSPORTATION/ENGINEERING DIVISION, PHONE (847) 252-5800 AND/OR HOFFMAN ESTATES PUBLIC WORKS OFFICE, PHONE (847) 490-6800, AND/OR TO HOFFMAN ESTATES POLICE DEPARTMENT, PHONE 911. ACCIDENTS INVOLVING UTILITIES SHALL ALSO BE REPORTED TO THE APPROPRIATE UTILITY.
 - NO CONSTRUCTION EQUIPMENT SHALL BE PERMITTED TO BE PARKED OR STORED ON PARKWAYS WITHOUT PRIOR APPROVAL FROM THE ENGINEER. NO CONSTRUCTION MATERIAL, EXCAVATION SPOILS OR ANY OTHER OBJECTS SHALL BE PERMITTED TO BE PLACED OR STORED ON PARKWAYS.

- | | |
|-----------|--|
| 000001-06 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 260001-07 | TEMPORARY EROSION CONTROL SYSTEMS |
| 424001-07 | PERPENDICULAR CURB RAMPS |
| 424016-01 | MIDBLOCK CURB RAMPS |
| 542301-03 | PRECAST REINFORCED CONCRETE FLARED END SECTION |
| 542306-02 | PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION |
| 602001-02 | CATCH BASIN TYPE A |
| 602011-02 | CATCH BASIN TYPE C |
| 602301-03 | INLET TYPE A |
| 602401-03 | MANHOLE TYPE A |
| 602601-02 | PRECAST REINFORCED FLAT SLAB TOP |
| 602701-02 | MANHOLE STEPS |
| 604001-03 | FRAME AND LIDS TYPE 1 |
| 604036-02 | GRATE TYPE B |
| 604086-02 | FRAME AND GRATE TYPE 23 |
| 606001-05 | CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER |
| 606006-02 | OUTLETS FOR CONCRETE CURB AND GUTTER TYPE B6.24 |
| 701001-02 | OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY |
| 701006-04 | OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE |
| 701011-03 | OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY |
| 701301-04 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS |
| 701308-03 | LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH |
| 701311-03 | LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY |
| 701326-04 | LANE CLOSURE TWO LANE TWO WAY PAVEMENT WIDENING 45 MPH |
| 701336-06 | LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS > 45 MPH |
| 701502-05 | URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE |
| 701701-08 | URBAN LANE CLOSURE, MULTILANE INTERSECTION |
| 701801-05 | SIDEWALK CORNER OR CROSSWALK CLOSURE |
| 701901-02 | TRAFFIC CONTROL DEVICES |
| 720001-01 | SIGN PANEL MOUNTING DETAILS |
| 720006-03 | SIGN PANEL ERECTION DETAILS |
| 720011-01 | METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS |
| 729001-01 | APPLICATIONS OF TYPES OF A & B METAL POSTS (FOR SIGNS & MARKERS) |
| 814001-02 | HANDHOLES |
| 814006-02 | DOUBLE HANDHOLES |
| 830001-01 | LIGHT POLE ALUMINUM MAST ARM |
| 857001-01 | STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES |
| 862001-01 | UNINTERRUPTIBLE POWER SUPPLY (UPS) |
| 873001-02 | TRAFFIC SIGNAL GROUNDING AND BONDING |
| 877001-05 | STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55' |
| 880006-01 | TRAFFIC SIGNAL MOUNTING DETAILS |
| 886006-01 | TYPICAL LAYOUTS FOR DETECTION LOOPS |

IDOT DISTRICT ONE STANDARD DRAWINGS

- BD-22 PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
- BD-32 BUTT JOINT AND HMA TAPER DETAILS
- BD-51 BENCHING DETAIL FOR EMBANKMENT WIDENING
- BE-305 LIGHT POLE FOUNDATION, METAL
- TC-10 TRAFFIC CONTROL & PROTECTION FOR SIDE ROADS, INTERSECTIONS, & DRIVEWAYS
- TC-11 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
- TC-13 TYPICAL PAVEMENT MARKINGS
- TC-16 PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
- TC-22 ARTERIAL ROAD INFORMATION SIGN
- TS-02 MAST ARM MOUNTED STREET NAME SIGNS
- TS-05 STANDARD TRAFFIC SIGNAL DESIGN DETAILS
- TS-07 DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING
- TS-09 PEDESTRIAN PUSH BUTTON POST, TYPE A

LANDSCAPING LEGEND

- | EXISTING | PROPOSED | |
|---|---|--|
|  |  | OVERSTORY/ORNAMENTAL TREE |
|  |  | EVERGREEN TREE |
|  |  | TREE REMOVAL, DIAMETER SHOWN |
|  |  | EVERGREEN TREE REMOVAL, DIAMETER SHOWN |

- THE CONTRACTOR SHALL SUPPLY A TELEPHONE NUMBER WHERE A RESPONSIBLE INDIVIDUAL CAN BE CONTACTED ON A 24-HOUR BASIS TO RECEIVE NOTIFICATION OF ANY DEFICIENCIES REGARDING TRAFFIC CONTROL AND PROTECTION. THE CONTRACTOR SHALL DISPATCH WORKERS OR LABORERS, MATERIALS, AND EQUIPMENT TO CORRECT ANY SUCH DEFICIENCIES. THE CONTRACTOR SHALL RESPOND TO ANY CALL FROM THE ENGINEER CONCERNING ANY REQUEST FOR IMPROVING OR CORRECTING TRAFFIC CONTROL DEVICES AND BEGIN MAKING REQUESTED REPAIRS WITHIN TWO HOURS FROM THE TIME OF NOTIFICATION.

FILE NAME =	DESIGNED --	REVISED --	STATE OF ILLINOIS		Palatine Road Widening STP Project		F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DETAILSH.DWG	DRAWN --	REVISED --	DEPARTMENT OF TRANSPORTATION		General Notes and Legend		1285	09-00082-00-CH	Cook	97	2
	CHECKED --	REVISED --			SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.		CONTRACT NO. 63749
	DATE --	REVISED --									ILLINOIS FED. AID PROJECT CMM 9003(492)

PLAN SURVEYED, PLOTTED, ALIGNED, CHECKED, NOTE BOOK, NO. DATE

PROFILE SURVEYED, PLOTTED, FRAMES CHECKED, STRUCTURE NOTARIS OK'G, NO. DATE

PAY ITEM #	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE				
				0004	0021	0031	0042	0044
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	68			68		
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	81			81		
20100500	TREE REMOVAL, ACRES	ACRE	0.3			0.3		
* 20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	50			50		
* 20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	50			50		
20200100	EARTH EXCAVATION	CU YD	5,536	5,536				
20200500	EARTH EXCAVATION (WIDENING)	CU YD	1,240	1,240				
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2,315	2,315				
20800150	TRENCH BACKFILL	CU YD	375	375				
* 21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	23,596			23,596		
21400100	GRADING AND SHAPING DITCHES	FOOT	9,340					9,340
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	293			293		
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	293			293		
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	293			293		
* 25200110	SODDING, SALT TOLERANT	SQ YD	23,596			23,596		
* 25200200	SUPPLEMENTAL WATERING	UNIT	71			71		
28000500	INLET AND PIPE PROTECTION	EACH	21					21
28000510	INLET FILTERS	EACH	28					28
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	2,315	2,315				
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	2,781			2,781		
35501321	HOT-MIX ASPHALT BASE COURSE, 9 1/4"	SQ YD	6,001	6,001				
35800713	HOT-MIX ASPHALT BASE COURSE WIDENING, 9 1/4"	SQ YD	3,409	3,409				
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	186	186				
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	6,355	6,355				
40600300	AGGREGATE (PRIME COAT)	TON	127	127				
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	1,311	1,311				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	200	200				
40600990	TEMPORARY RAMP	SQ YD	274	274				
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	3,559	3,559				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	28,770	28,770				
42400800	DETECTABLE WARNINGS	SQ FT	360	360				

* = SPECIALTY ITEM

PAY ITEM #	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE				
				0004	0021	0031	0042	0044
44000180	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	SQ YD	22,101	22,101				
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,008	1,008				
44000600	SIDEWALK REMOVAL	SQ FT	8,795			8,795		
44004250	PAVED SHOULDER REMOVAL	SQ YD	3,510	3,510				
44201785	CLASS D PATCHES, TYPE I, 12 INCH	SQ YD	100	100				
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	174	174				
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	219	219				
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	349	349				
48100500	AGGREGATE SHOULDERS, TYPE A 6"	SQ YD	4,695	4,695				
50105220	PIPE CULVERT REMOVAL	FOOT	344					344
542A0220	PIPE CULVERTS, CLASS A, TYPE I 15"	FOOT	140					140
542A0223	PIPE CULVERTS, CLASS A, TYPE I 18"	FOOT	20					20
542A5473	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18"	FOOT	95					95
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	4					4
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2					2
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1					1
54214503	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 18"	EACH	1					1
54247130	GRATING FOR CONCRETE FLARED END SECTION 24"	EACH	1					1
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	80					80
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	49					49
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	70					70
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	80					80
55100500	STORM SEWER REMOVAL 12"	FOOT	109					109
60107600	PIPE UNDERDRAINS 4"	FOOT	70					70
60201330	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	3					3
60204505	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	2					2
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	1					1
60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	3					3
60237480	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	EACH	3					3
60255500	MANHOLES TO BE ADJUSTED	EACH	9					9
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1					1

FILE NAME - Summary of Quantities.dwg

DESIGNED -
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DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Palatine Road Widening STP Project
Summary of Quantities

F.A.U. RTE. 1285 SECTION 09-00082-00-CH COUNTY Cook TOTAL SHEETS 97 SHEETS NO. 3 CONTRACT NO. 63749 ILLINOIS FED. AID PROJECT CMM 9003(492)

SCALE: NTS SHEET NO. 1 OF 3 SHEETS STA. TO STA.

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

PROFILE
 SURVEYED
 PLOTTED
 REVISIONS
 CHECKED
 NO. _____
 DATE _____
 BY _____

PAY ITEM #	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE				
				0004	0021	0031	0042	0044
60500060	REMOVING INLETS	EACH	6					6
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	210	210				
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1,015	1,015				
63200310	GUARDRAIL REMOVAL	FOOT	524	524				
67100100	MOBILIZATION	L SUM	1	1				
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	4	4				
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	37,152	37,152				
* 70300510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SQ FT	557	557				
* 70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	47,040	47,040				
* 70300540	PAVEMENT MARKING TAPE, TYPE III 6"	FOOT	1,949	1,949				
* 70300560	PAVEMENT MARKING TAPE, TYPE III 12"	FOOT	420	420				
* 70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	110	110				
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	12,640	12,640				
* 72000100	SIGN PANEL - TYPE 1	SQ FT	70	70				
* 72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	103	103				
* 72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	48	48				
* 72900100	METAL POST - TYPE A	FOOT	27	27				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	957	957				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	25,685	25,685				
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	3,484	3,484				
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	974	974				
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	281	281				
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	321	321				
* 78100200	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	EACH	488	488				
78300100	PAVEMENT MARKING REMOVAL	SQ FT	7,815	7,815				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	732	732				
* 80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1	1				
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	2,266	2,266				
* 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	53	53				
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	108	108				
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	187	187				

* = SPECIALTY ITEM

PAY ITEM #	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE				
				0004	0021	0031	0042	0044
* 81400100	HANDHOLE	EACH	4		4			
* 81400200	HEAVY-DUTY HANDHOLE	EACH	6		6			
* 81400300	DOUBLE HANDHOLE	EACH	1		1			
* 81702415	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 6	FOOT	56		56			
* 82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	1		1			
* 83006300	LIGHT POLE, ALUMINUM, 30 FT. M.H., 8 FT. MAST ARM	EACH	1		1			
* 83600352	LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6"	EACH	1		1			
* 84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	1		1			
* 84200804	REMOVAL OF POLE FOUNDATION	EACH	1		1			
* 85000300	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	L SUM	1		1			
* 85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1		1			
* 85700300	FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1		1			
* 86000100	MASTER CONTROLLER	EACH	1		1			
* 86400100	TRANSCIVER - FIBER OPTIC	EACH	2		2			
* 87300010	GROUNDING EXISTING HANDHOLE FRAME AND COVER	EACH	8		8			
* 87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	2,011		2,011			
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	867		867			
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,187		1,187			
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,118		1,118			
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	679		679			
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,134		1,134			
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	129		129			
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,179		1,179			
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2		2			
* 87602000	PEDESTRIAN PUSH-BUTTON POST	EACH	4		4			
* 87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1		1			
* 87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1		1			
* 87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1		1			
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	24		24			
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4			
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	35		35			

FILE NAME =
 Summary of Quantities.dwg

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

Palatine Road Widening STP Project
 Summary of Quantities

F.A.U. RTE. 1285	SECTION 09-00082-00-CH	COUNTY Cook	TOTAL SHEETS 97	SHEET NO. 4
CONTRACT NO. 63749			ILLINOIS FED. AID PROJECT CMM 9003(492)	

SCALE: NTS SHEET NO. 2 OF 3 SHEETS STA. TO STA.

PLAN SURVEYED PLOTTED CHECKED
 NOTE BOOK PLANNING WAY ORDERED
 NO. _____ SURVEY NAME _____

PROFILE SURVEYED PLOTTED CHECKED
 NOTE BOOK PLANNING WAY ORDERED
 NO. _____ STRUCTURE NOTATIONS CHPO _____

PAY ITEM #	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE				
				0004	0021	0031	0042	0044
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8		8			
* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4		4			
* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4		4			
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4		4			
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2		2			
* 88102747	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4		4			
* 88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	12		12			
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	5		5			
* 88600100	DETECTOR LOOP, TYPE I	FOOT	1,199		1,199			
* 88700200	LIGHT DETECTOR	EACH	3		3			
* 88700300	LIGHT DETECTOR AMPLIFIER	EACH	1		1			
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	10		10			
* 89600100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1			
* 89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2		2			
* 89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1		1			
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1			
* 89502380	REMOVE EXISTING HANDHOLE	EACH	1		1			
* A2000820	TREE, ACER PLATANOIDES CRIMSON KING (CRIMSON KING NORWAY MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	8			8		
* A2001420	TREE, ACER SACCHARINUM AUTUMN BLAZE (AUTUMN BLAZE SILVER MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	7			7		
* A2007920	TREE, TILIA AMERICANA REDMOND (REDMOND AMERICAN LINDEN), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	9			9		
* B2001666	TREE, CRATAEGUS CRUSGALLI INERMIS (THORN LESS COCKSPUR HAWTHORN), 6' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	9			9		
* B2002666	TREE, MALUS ADAMS (ADAMS CRABAPPLE), 6' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	10			10		
* B2004166	TREE, MALUS PRAIRIFIRE (PRAIRIFIRE CRABAPPLE), 6' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	8			8		
X0321962	CONNECTION OF EXISTING PIPE UNDERDRAIN	EACH	2					2
* X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	319		319			
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1		1			
* X8140115	HANDHOLE TO BE ADJUSTED	EACH	1		1			
* X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	2		2			
* X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	2,051		2,051			
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	51		51			
* Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1		1			

* = SPECIALTY ITEM

PAY ITEM #	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE				
				0004	0021	0031	0042	0044
Z0078600	TRAINEES	HOUR	1,000					1,000
Z0078604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1,000					1,000
30300166	AGGREGATE SUBGRADE IMPROVEMENT 6"	SQ YD	9,410	9,410				

FILE NAME =
Summary of Quantities.dwg

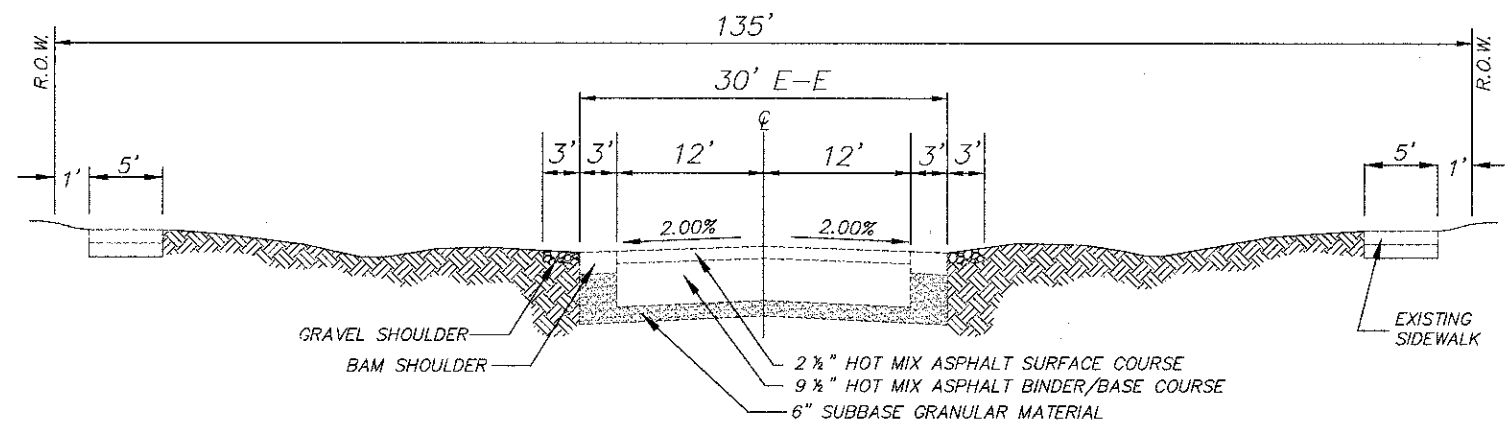
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

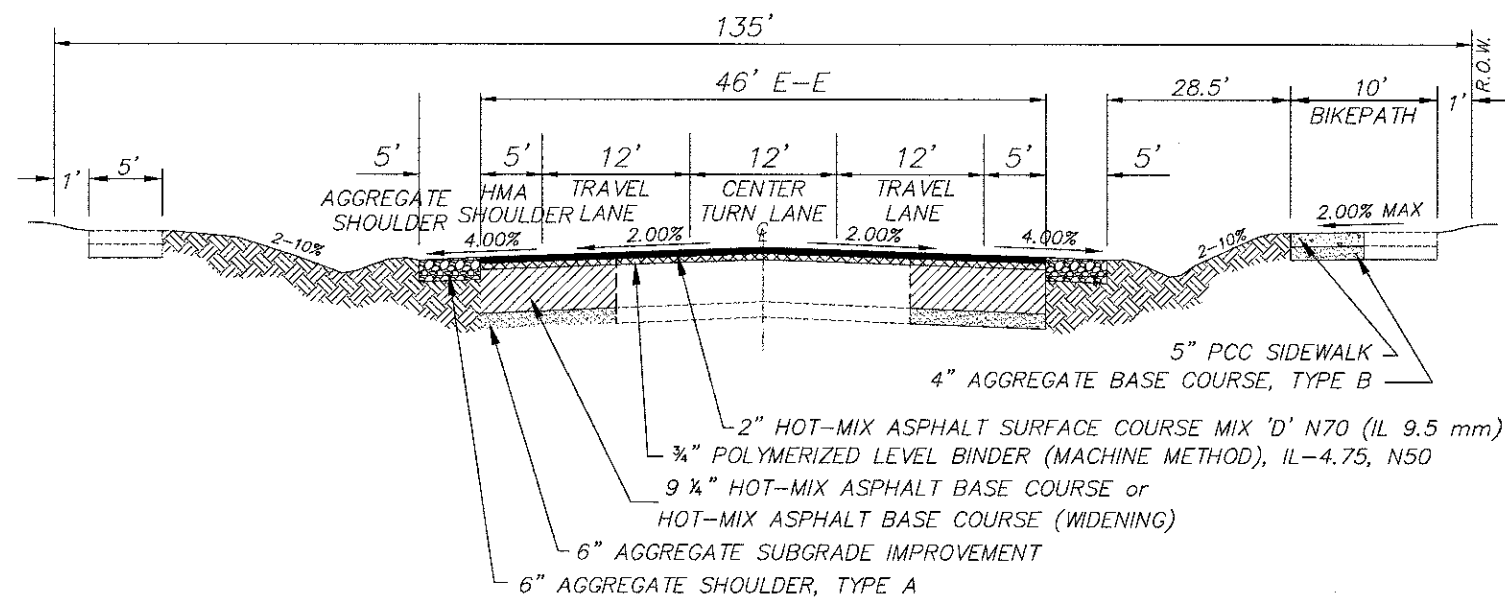
Palatine Road Widening STP Project
Summary of Quantities

SCALE: NTS SHEET NO. 3 OF 3 SHEETS STA. 70 STA

F.A.U. RTE. 1285	G9-00082-00-CH	Cock	TOTAL SHEETS 97	SHEET NO. 5
CONTRACT NO. 63749			ILLINOIS FED. AID PROJECT CMM 9003(492)	



EXISTING TYPICAL SECTION



PROPOSED TYPICAL SECTION

PALATINE PROPOSED TYPICAL ROADWAY & BIKE PATH SECTION

BEGIN IMPROVEMENTS STA 6+50 END IMPROVEMENTS STA 62+43

NOTE: HOT-MIX ASPHALT BASE COURSE (WIDENING) SHALL BE USED WHEN WIDENING IS LESS THAN 6 FEET

HOT-MIX ASPHALT MIXTURE REQUIREMENT	
MIXTURE TYPE	AIR VOIDS @ Ndes
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm); 2"	4% @ 70 GYR
POLYMERIZED LEVEL BINDER (MACHINE METHOD), IL-4.75, N50; 0.75"	3.5% @ 50 GYR
PAVEMENT WIDENING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm); 2"	4% @ 70 GYR
POLYMERIZED LEVEL BINDER (MACHINE METHOD), IL-4.75, N50; 0.75"	3.5% @ 50 GYR
HOT-MIX ASPHALT BASE COURSE (BINDER IL-19 mm); 9.25" (3 LIFTS) OR HOT-MIX ASPHALT BASE COURSE WIDENING (BINDER IL-19 mm); 9.25" (3 LIFTS)	4% @ 70 GYR
HOT-MIX ASPHALT SHOULDER	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm); 2"	4% @ 70 GYR
POLYMERIZED LEVEL BINDER (MACHINE METHOD), IL-4.75, N50; 0.75"	3.5% @ 50 GYR
HOT-MIX ASPHALT BASE COURSE (BINDER IL-19 mm); 9.25" (3 LIFTS) OR HOT-MIX ASPHALT BASE COURSE WIDENING (BINDER IL-19 mm); 9.25" (3 LIFTS)	4% @ 70 GYR
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19 mm) 12 INCH (4 LIFTS)	4% @ 70 GYR

NOTE: THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ YD/IN. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON POLYMERIZED HMA SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS. CONTRACTOR TO MILL FIRST BEFORE PATCHING

BENCHMARK TABLE		
BENCHMARK NO.	DESCRIPTION	ELEVATION
BM 6N	NORTHWEST UPPER FLANGE BOLT ON FIRE HYDRANT AT SOUTHWEST CORNER OF PALATINE ROAD AND OLMSTEAD DRIVE	864.38
BM 7N	NORTHWEST UPPER FLANGE BOLT ON FIRE HYDRANT AT SOUTHWEST CORNER OF PALATINE ROAD AND BURNHAM DRIVE	864.05

FILE NAME = DETAILS.DWG	DESIGNED --	REVISED --
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	DATE --	REVISED --

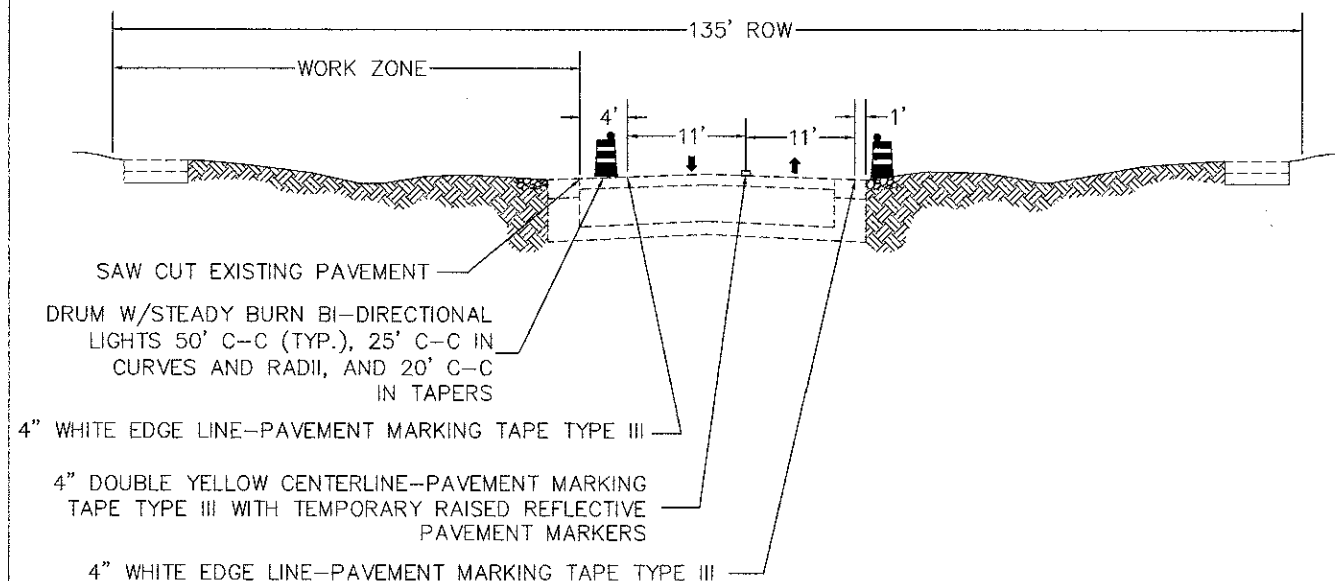
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

Palatine Road Widening STP Project
Typical Section

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

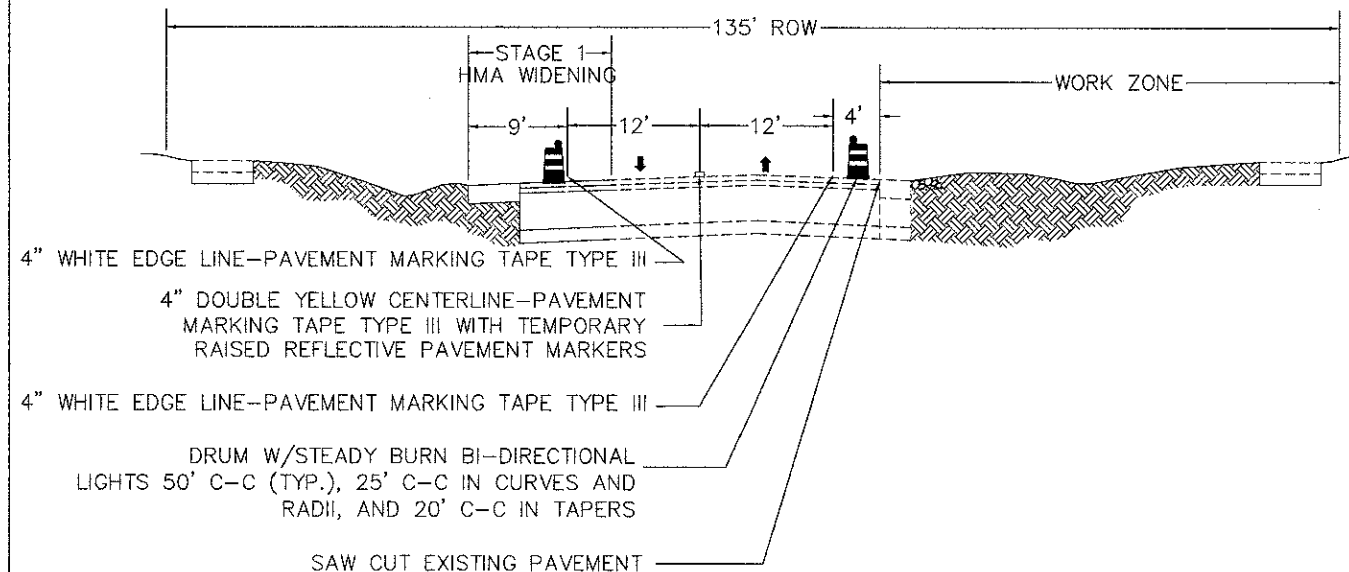
F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	6
CONTRACT NO. 63749			ILLINOIS FED. AID PROJECT CMM 8003(492)	

STAGE 1 TYPICAL SECTION



1. AREAS OF THE EXISTING PAVED SHOULDER ON THE SOUTH SIDE OF PALATINE ROAD TO BE PATCHED, AS DETERMINED BY THE ENGINEER
2. ESTABLISH TWO-WAY, TWO LANE TRAFFIC FLOW ALONG THE SOUTH SIDE OF PALATINE ROAD AS SHOWN ON THE PLANS.
3. REMOVE THE EXISTING PAVED SHOULDER AND CURB AND GUTTER ALONG THE NORTH SIDE OF PALATINE ROAD.
4. CONSTRUCT COMBINATION CONCRETE CURB AND GUTTER, WESTBOUND PAVEMENT WIDENING, AND GRADE NORTH DITCH AS SHOWN ON THE PLANS..
5. COMPLETE PERMANENT LANDSCAPE RESTORATION ON NORTH SIDE.

STAGE 2 TYPICAL SECTION



1. ESTABLISH TWO-WAY, TWO LANE TRAFFIC FLOW ALONG THE NORTH SIDE OF PALATINE ROAD AS SHOWN ON THE PLANS.
2. REMOVE THE EXISTING PAVEMENT AND CURB AND GUTTER ALONG THE SOUTH SIDE OF PALATINE ROAD.
3. CONSTRUCT COMBINATION CONCRETE CURB AND GUTTER, EASTBOUND PAVEMENT WIDENING, AND GRADE SOUTH DITCH AS SHOWN ON THE PLANS..
4. COMPLETE PERMANENT LANDSCAPE RESTORATION ON SOUTH SIDE.

GENERAL NOTES:

1. STAGING PROCEDURES PRESENTED ARE THE SUGGESTED SEQUENCE OF OPERATIONS. THE CONTRACTOR MAY SUBMIT AN ALTERNATIVE STAGING PROPOSAL TO THE ENGINEER FOR HIS APPROVAL. THE CONTRACTOR SHALL NOT BE ENTITLED TO ADDITIONAL COMPENSATION FOR HIS CHANGE IN STAGING.
2. THE CONTRACTOR SHALL MAINTAIN A MINIMUM ONE 11 FOOT LANE IN EACH DIRECTION FOR TWO-WAY, TWO LANE TRAFFIC. INGRESS AND EGRESS OF THE SIDE STREETS AND DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES.
3. THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH THE SPECIAL PROVISIONS, STATE STANDARDS, STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
4. ANY TEMPORARY PIPE CONNECTIONS NEEDED FOR STAGING OF STORM SEWER IMPROVEMENTS SHALL BE CONSIDERED INCLUDED IN THE APPLICABLE PAY ITEMS FOR STORM SEWER.
5. THE ENGINEER SHALL BE INFORMED 72 HOURS IN ADVANCE OF ANY CHANGE IN CONSTRUCTION STAGING.
6. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE ALL EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH THE DESIGNATED TRAFFIC CONTROL PLAN. THIS WORK SHALL BE PAID FOR AS PAVEMENT MARKING REMOVAL OR WORK ZONE PAVEMENT MARKING REMOVAL.
7. THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE STANDARD SPECIFICATIONS. ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. THE WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
8. PROVIDE TEMPORARY PAVEMENT MARKINGS AT ALL TIMES PRIOR TO THE COMPLETION OF PERMANENT PAVEMENT MARKINGS
9. TEMPORARY RAMPS NEEDED FOR LANE TRANSITIONS SHALL BE CONSIDERED INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
10. CHANGEABLE MESSAGE SIGNS SHALL BE UTILIZED TO INFORM THE MOTORING PUBLIC OF CHANGES TO TRAFFIC STAGING. ONE CHANGEABLE MESSAGE SIGN SHALL BE USED FOR EACH DIRECTION OF TRAVEL. THIS WORK SHALL BE PAID FOR AS CHANGEABLE MESSAGE SIGN.

PLAN	DRAWN	DATE
NOTED	CHECKED	DATE
NO.	NO.	NO.

PROFILE	DRAWN	DATE
NOTED	CHECKED	DATE
NO.	NO.	NO.

FILE NAME --	DESIGNED --	REVISED --
Palatine Staging Typical Section.dwg	DRAWN --	REVISED --
	CHECKED --	REVISED --
	DATE --	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

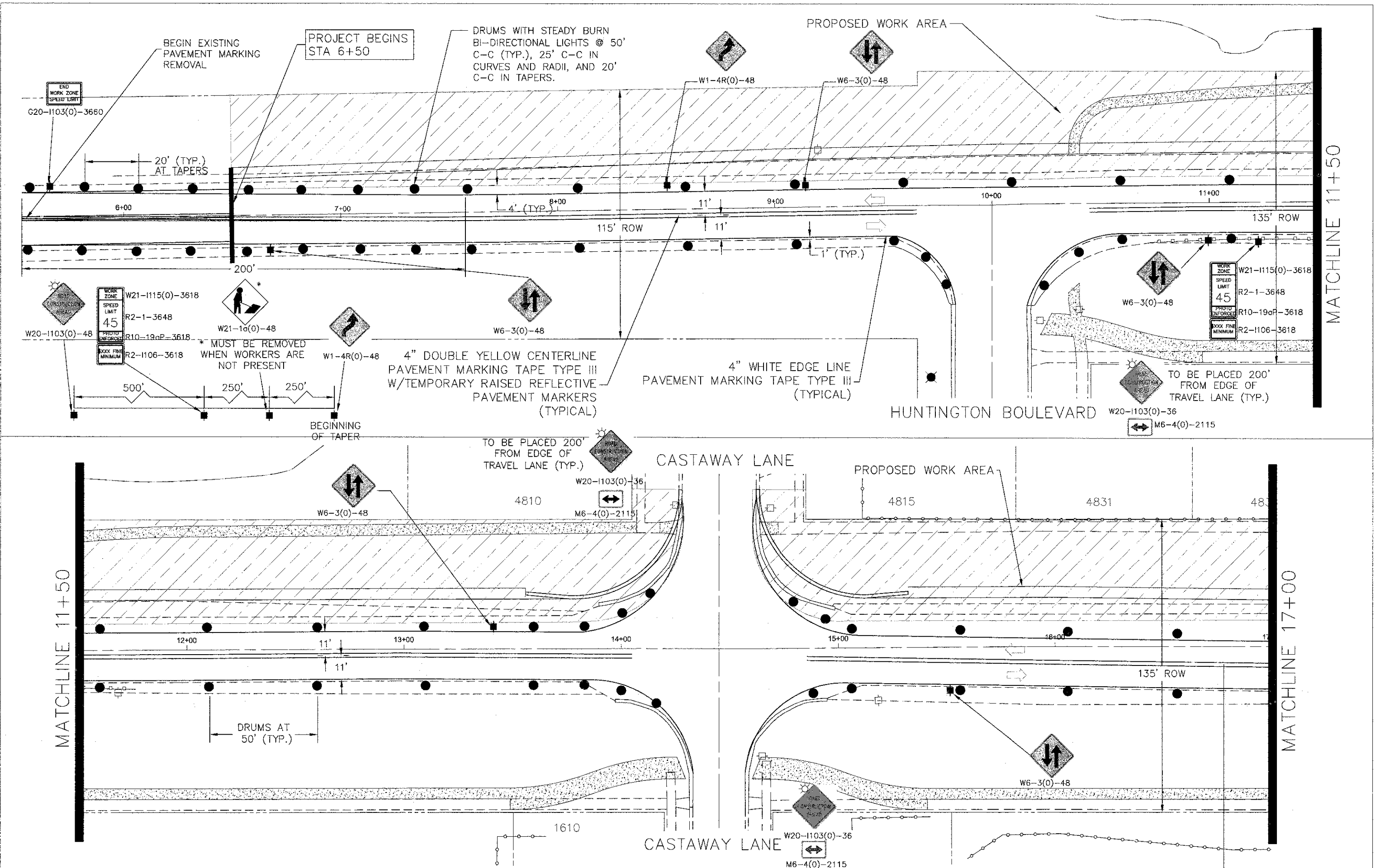
Palatine Road Widening STP Project
Construction Staging Typical Section

SCALE: NTS SHEET NO. 1 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	7
CONTRACT NO. 63749			ILLINOIS FED. AID PROJECT CMM 9003(492)	

PLAN	DESIGNED	BY	DATE
	PLOTTED		
	NOTE BOOK	ALIGNED	CHECKED
		NO. OF	CHANGES
		NO.	

PROFILE	DESIGNED	BY	DATE
	PLOTTED		
	NOTE BOOK	GRADES	CHECKED
		NO. OF	NOTATIONS
		NO.	CHG.



FILE NAME = Palatine Plan and Profile NEW.dwg

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CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

Palatine Road Widening STP Project
Construction Staging 1 Plan

SCALE: 1" = 20' SHEET NO. 2 OF 13 SHEETS STA. 6+00 TO STA 17+00

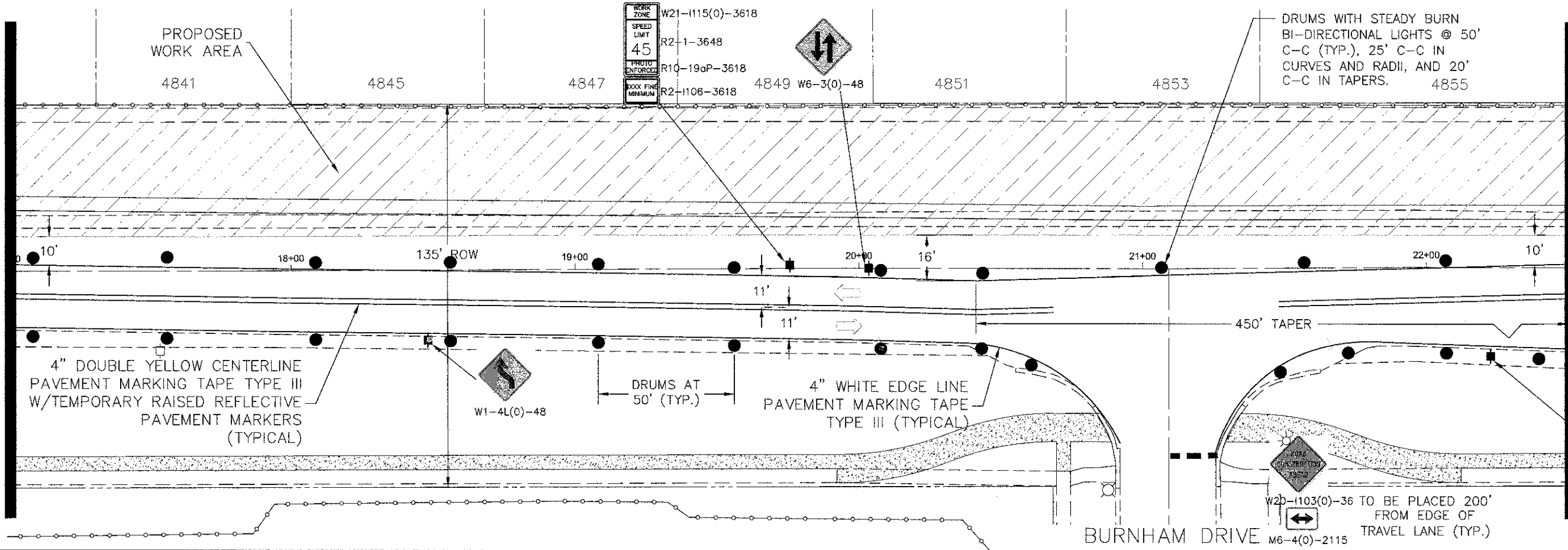
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	8
CONTRACT NO. 63749			ILLINOIS FED. AID PROJECT CMM 9003(492)	

PLAN	SURVEYED
	PLOTTED
	NOTED
	CHECKED
	DATE
	BY
	NO.

PROFILE	SURVEYED
	PLOTTED
	NOTED
	CHECKED
	DATE
	BY
	NO.

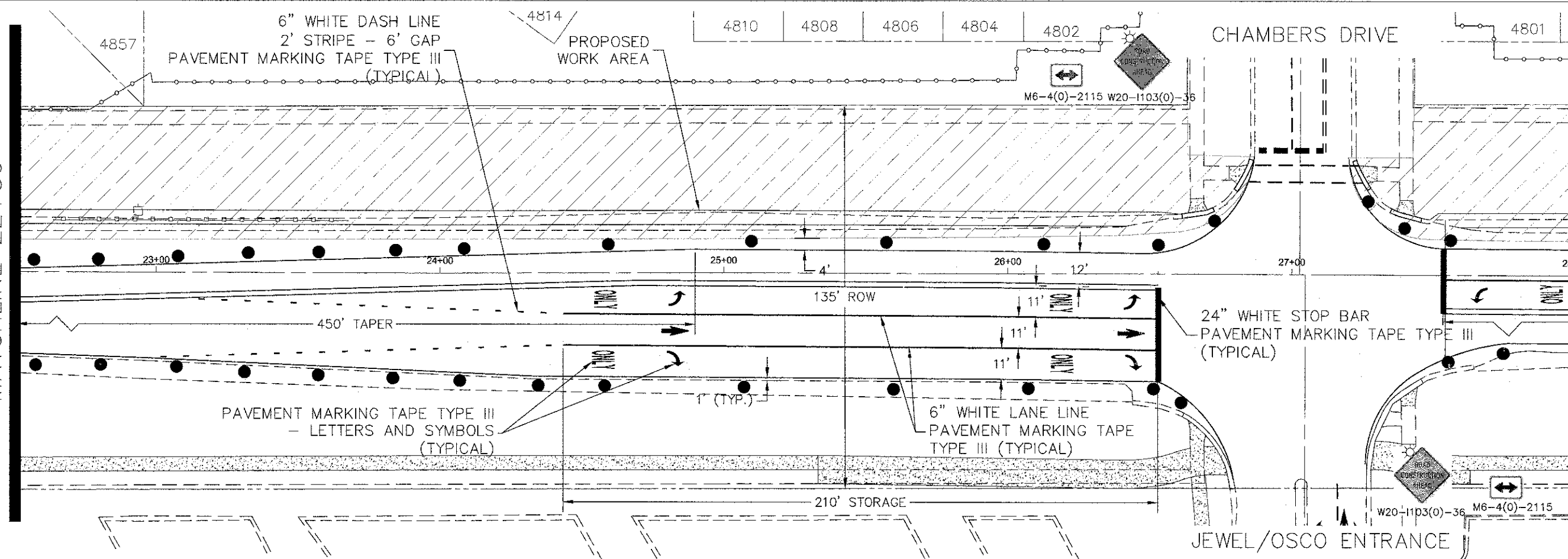
MATCHLINE 17+00

MATCHLINE 22+50



MATCHLINE 22+50

MATCHLINE 28+00



FILE NAME: Palatine Plan and Profile NEW.dwg

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

Palatine Road Widening STP Project
Construction Staging 1 Plan

SCALE: 1" = 20' SHEET NO. 3 OF 13 SHEETS STA. 17+00 TO STA 28+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	9
CONTRACT NO. 63749			ILLINOIS FED. AID PROJECT CMM 9003(492)	

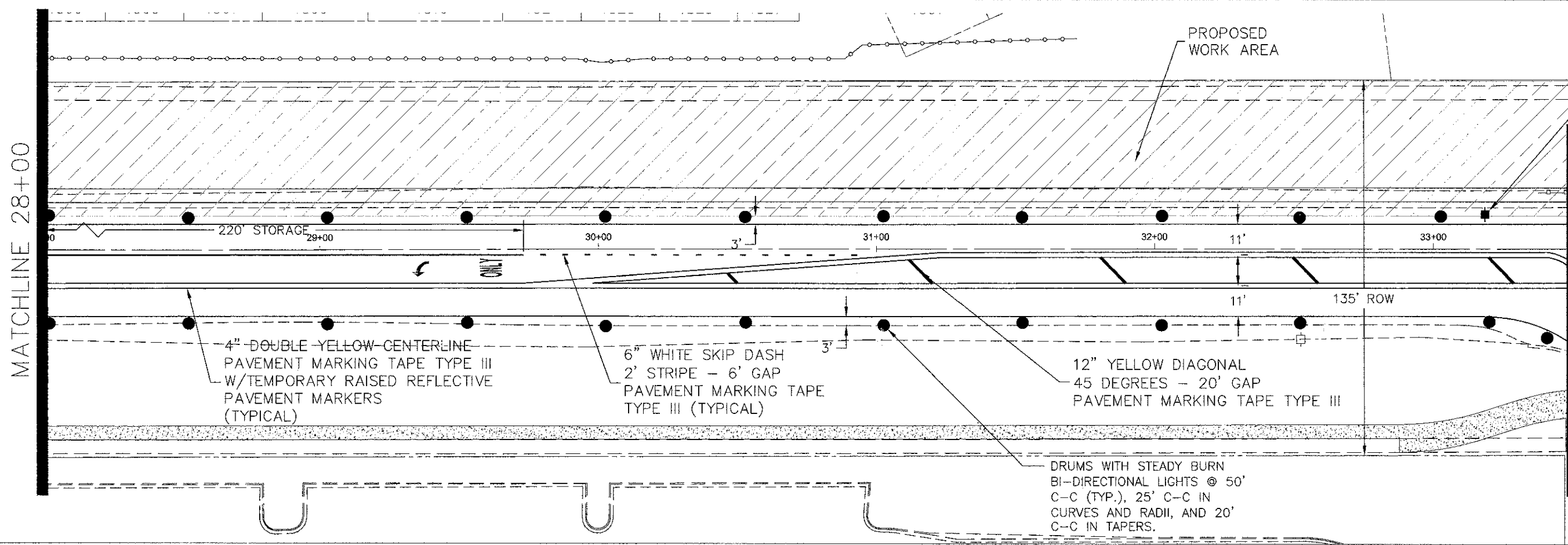
PLAN	SURVEYED	DATE	BY
	PLOTTED		
	ALIGNED		
	CHECKED		
	REVISIONS		
	NO. _____		
	DATE _____		

PROFILE	SURVEYED	DATE	BY
	PLOTTED		
	GRADES		
	CHECKED		
	REVISIONS		
	NO. _____		
	DATE _____		

MATCHLINE 28+00

MATCHLINE 33+50

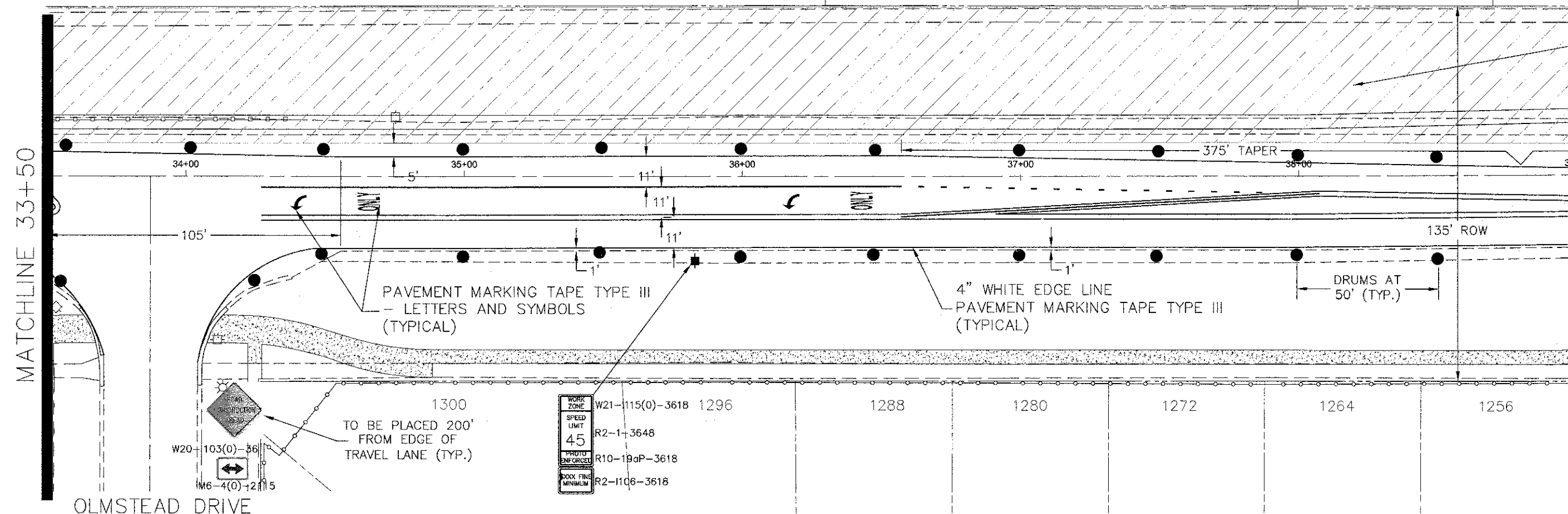
WORK ZONE	W21-1115(0)-3618
SPEED LIMIT	R2-1-3648
PHOTO ENFORCED	R10-19aP-3618
BOOK FINE MINIMUM	R2-1106-3618



MATCHLINE 33+50

MATCHLINE 39+00

PROPOSED WORK AREA



OLMSTEAD DRIVE

WORK ZONE	W21-1115(0)-3618	1296
SPEED LIMIT	R2-1-3648	1288
PHOTO ENFORCED	R10-19aP-3618	1280
BOOK FINE MINIMUM	R2-1106-3618	1272
		1264
		1256

FILE NAME = Palatine Plan and Profile NEW.dwg

DESIGNED -	REVISIONS -
DRAWN -	REVISIONS -
CHECKED -	REVISIONS -
DATE -	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Palatine Road Widening STP Project
Construction Staging 1 Plan

SCALE: 1" = 20' SHEET NO. 4 OF 13 SHEETS STA. 28+00 TO STA 39+00

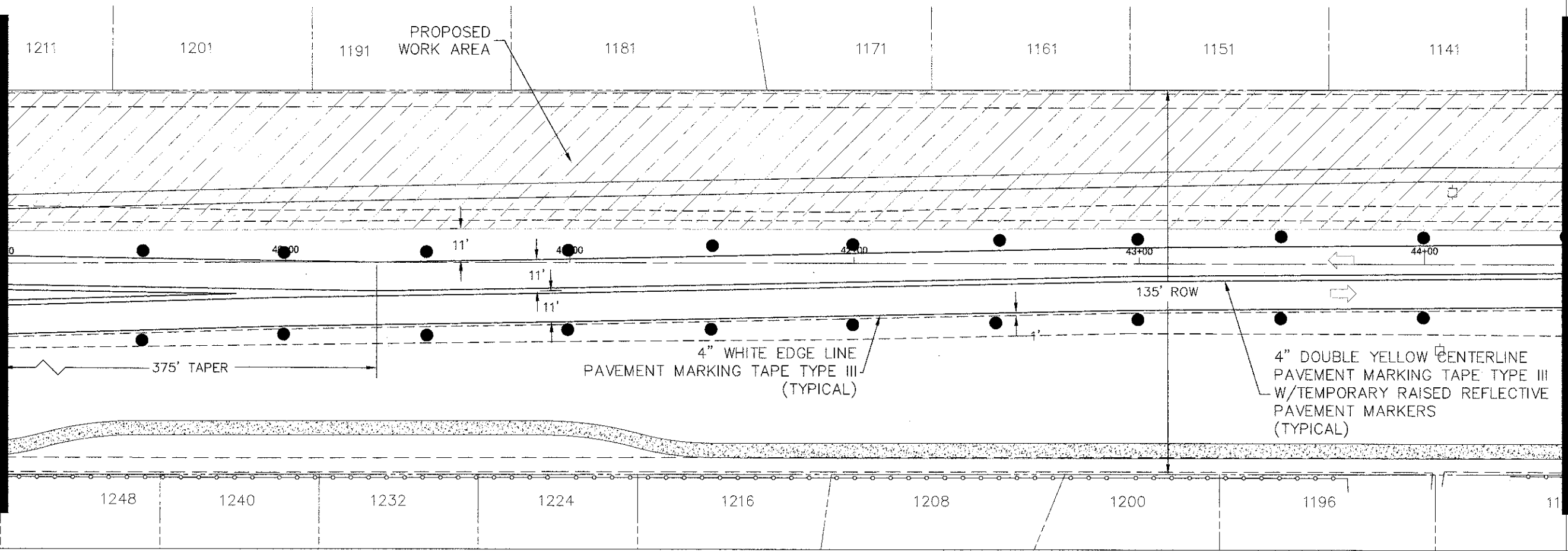
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-0082-00-CH	Cook	97	10
CONTRACT NO. 63749			ILLINOIS FED. AID PROJECT CMM 9003(492)	

PLAN
 SURVEYED _____
 NOTE BOOK _____
 ALIGNMENT CHECKED _____
 P.L. OF WAY CHECKED _____
 NO. _____
 DRAFTER NAME _____

PROFILE
 SURVEYED _____
 GRADES CHECKED _____
 NOTE BOOK _____
 P.M. NOTED _____
 NO. _____
 STRUCTURE NOTARIS CH'G _____

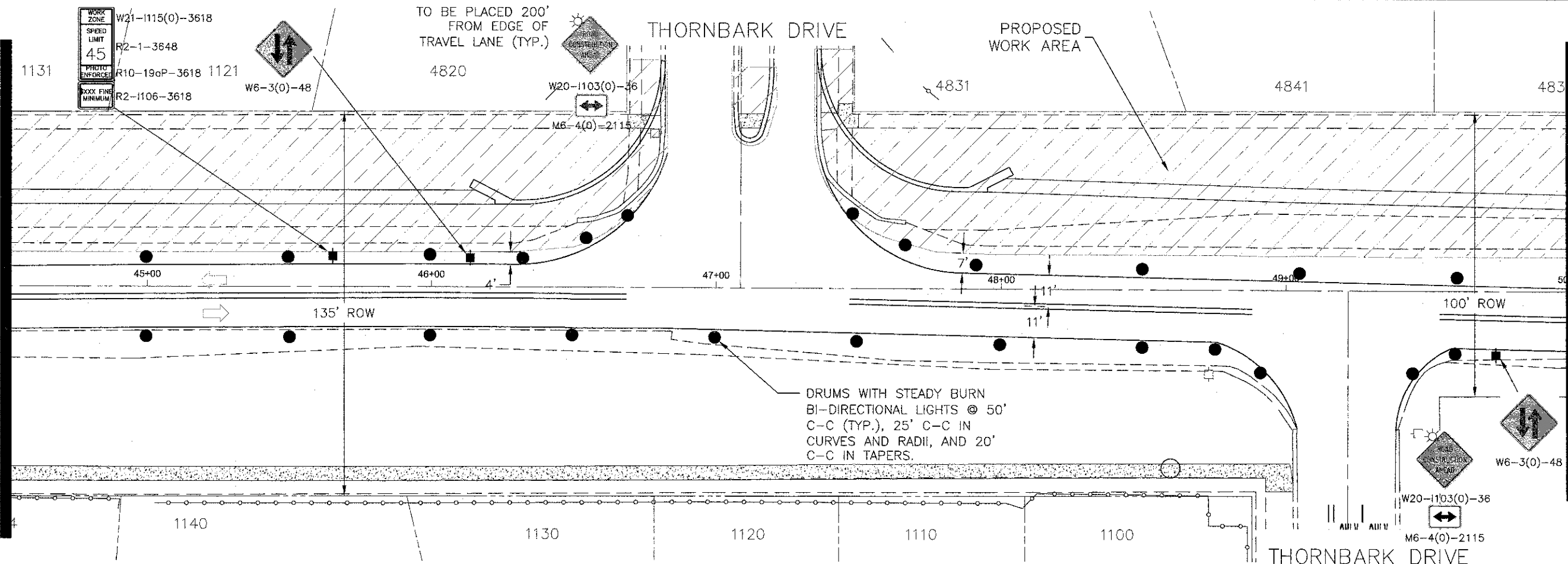
MATCHLINE 39+00

MATCHLINE 44+50



MATCHLINE 44+50

MATCHLINE 50+00



FILE NAME =
 Palatine Plan and Profile NEW.dwg

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

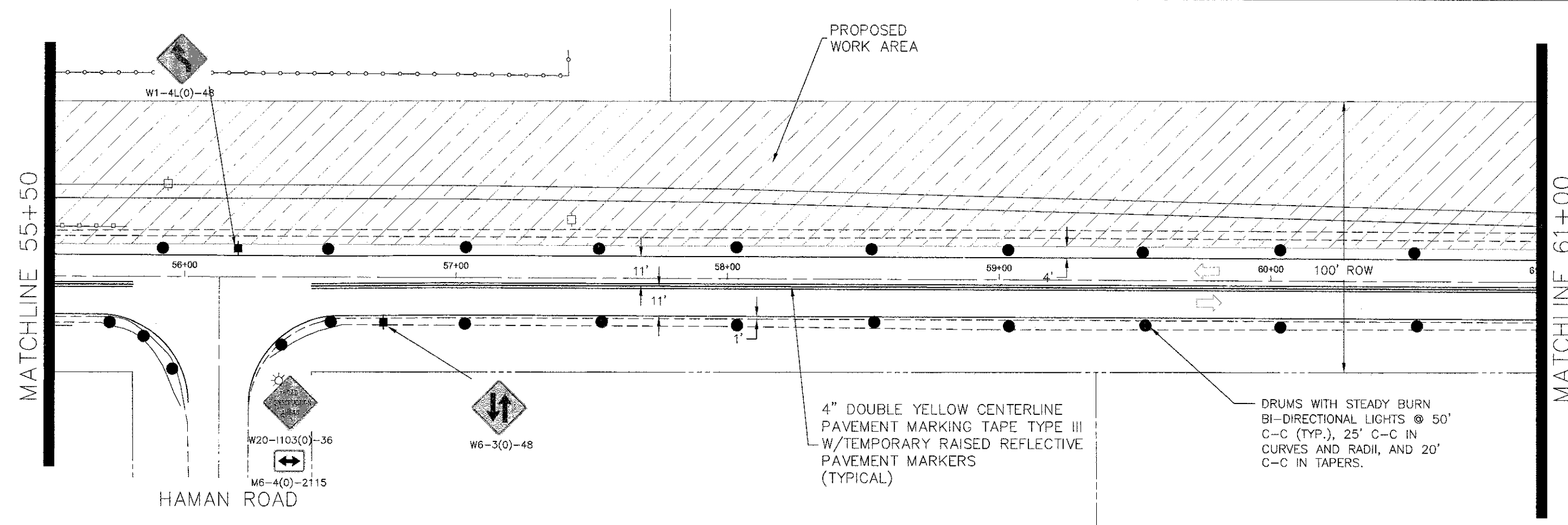
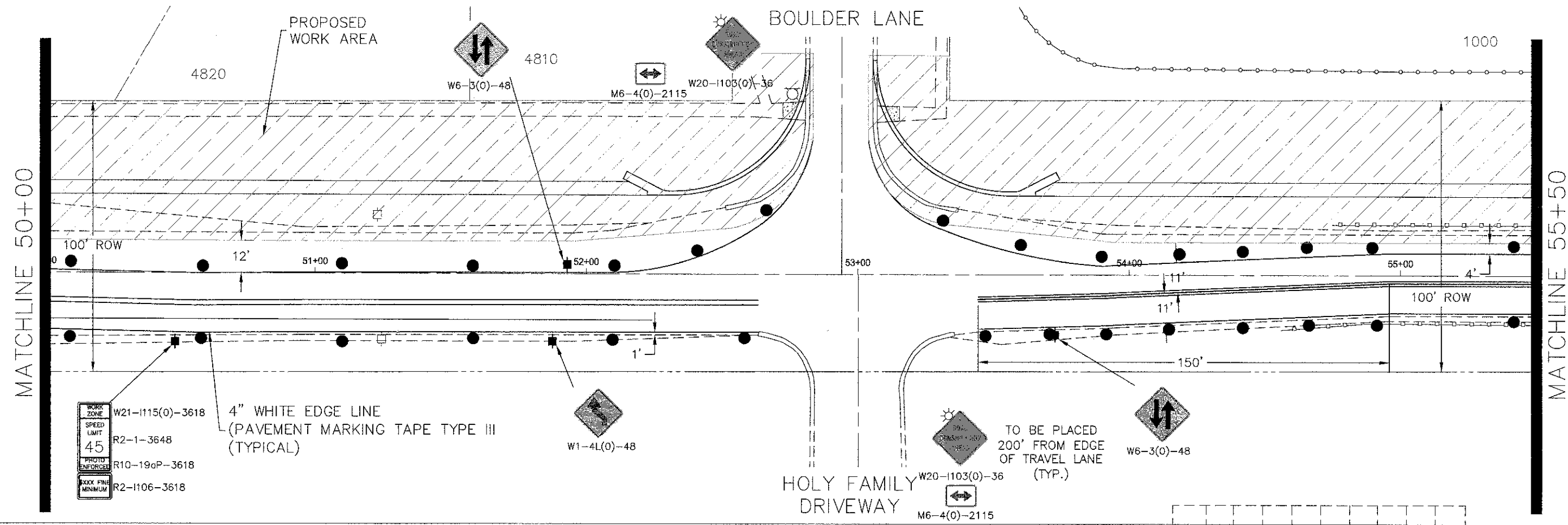
Palatine Road Widening STP Project
 Construction Staging 1 Plan

SCALE: 1" = 20' SHEET NO. 5 OF 13 SHEETS STA. 39+00 TO STA 50+00

F.A.U.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	11
CONTRACT NO. 63749				
ILLINOIS FED. AID PROJECT CMM 9003(492)				

PLAN	DESIGNED	DATE
	DRAWN	BY
	CHECKED	DATE
	DATE	
NOTE BOOK	GRADES CHECKED	
NO.	BY	
	NO.	
	NO.	
	NO.	
	NO.	

PROFILE	DESIGNED	DATE
	DRAWN	BY
	CHECKED	DATE
	DATE	
NOTE BOOK	GRADES CHECKED	
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FILE NAME = Palatine Plan and Profile NEW.dwg

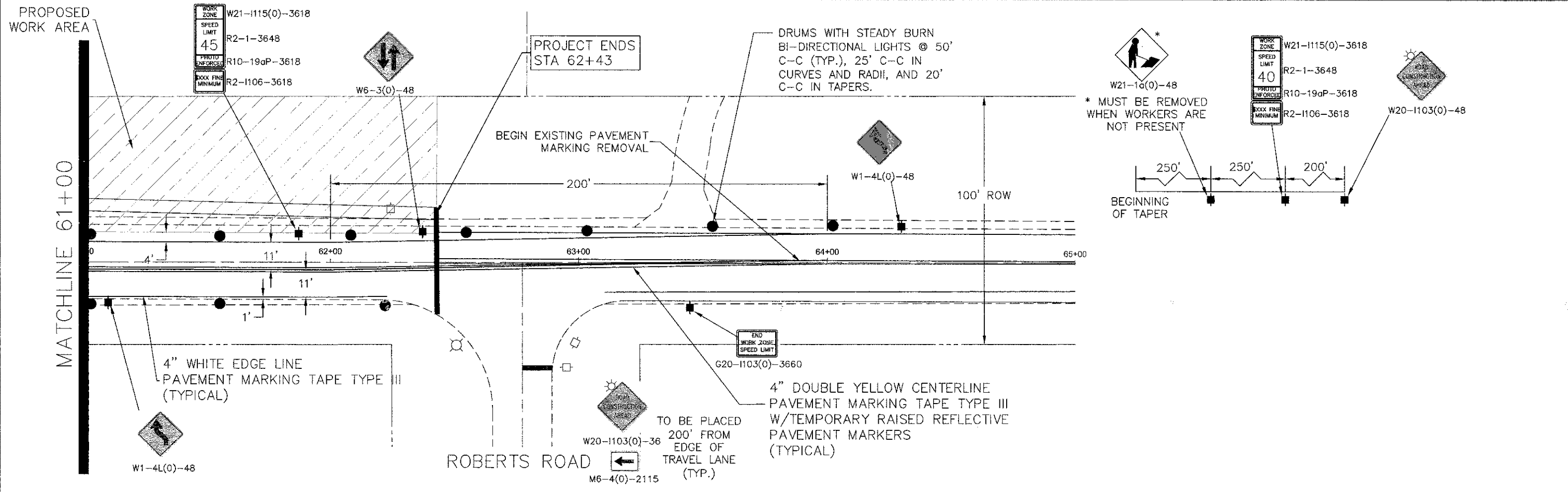
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Palatine Road Widening STP Project
Construction Staging 1 Plan

SCALE: 1" = 20' SHEET NO. 6 OF 13 SHEETS STA. 50+00 TO STA 61+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	12
CONTRACT NO. 63749			ILLINOIS FED. AID PROJECT CMM 9003(492)	



PLAN	SURVEYED	DATE	BY
	NOTE BOOK		
	ALIGNMENT CHECKED		
	ST. OF TYP. CHECKED		
	SAMPLE NAME		
	NO.		

PROFILE	SURVEYED	DATE	BY
	GRADES CHECKED		
	E.M. NOTED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		

FILE NAME =
Palatine Plan and Profile NEW.dwg

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

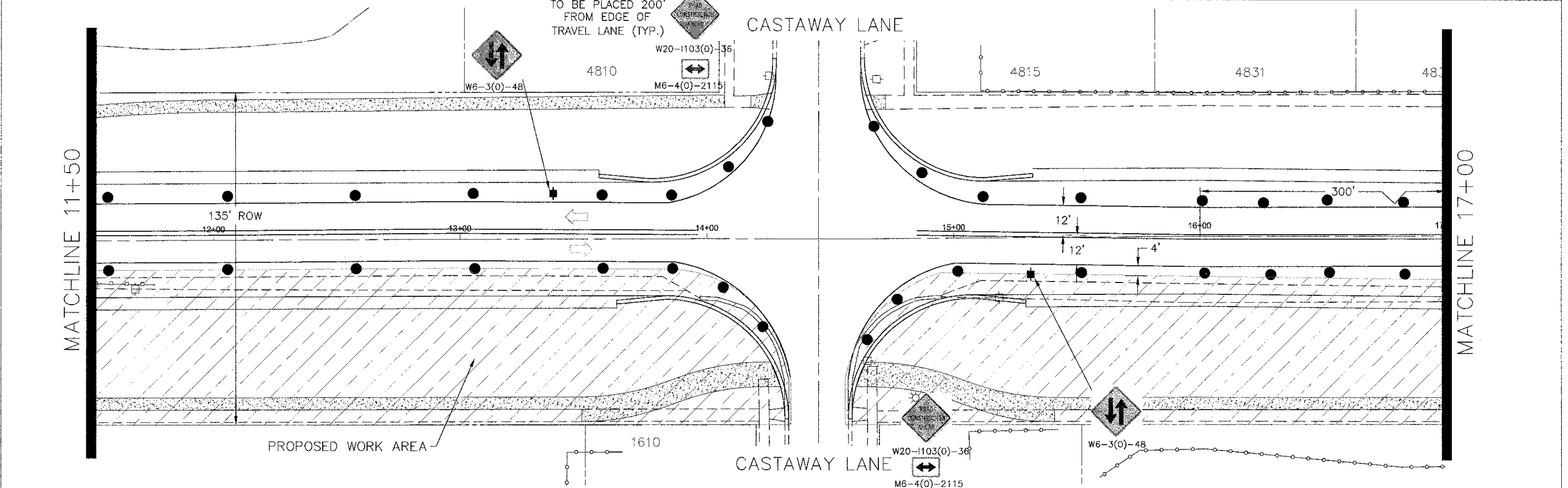
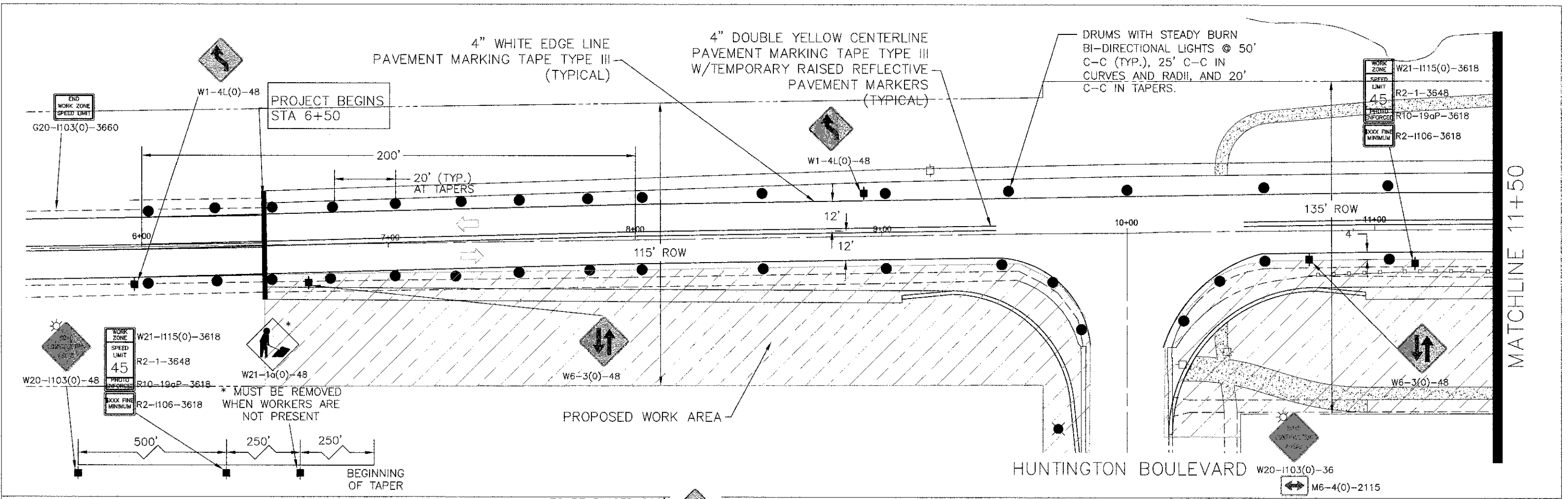
Palatine Road Widening STP Project
Construction Staging 1 Plan

SCALE: 1" = 20' SHEET NO. 7 OF 13 SHEETS STA. 61+00 TO STA 65+00

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-GH	Cook	97	13
CONTRACT NO. 63749			ILLINOIS FED. AID PROJECT CMM 9003(492)	

PLAN
 DESIGNED BY: []
 DRAWN BY: []
 CHECKED BY: []
 DATE: []

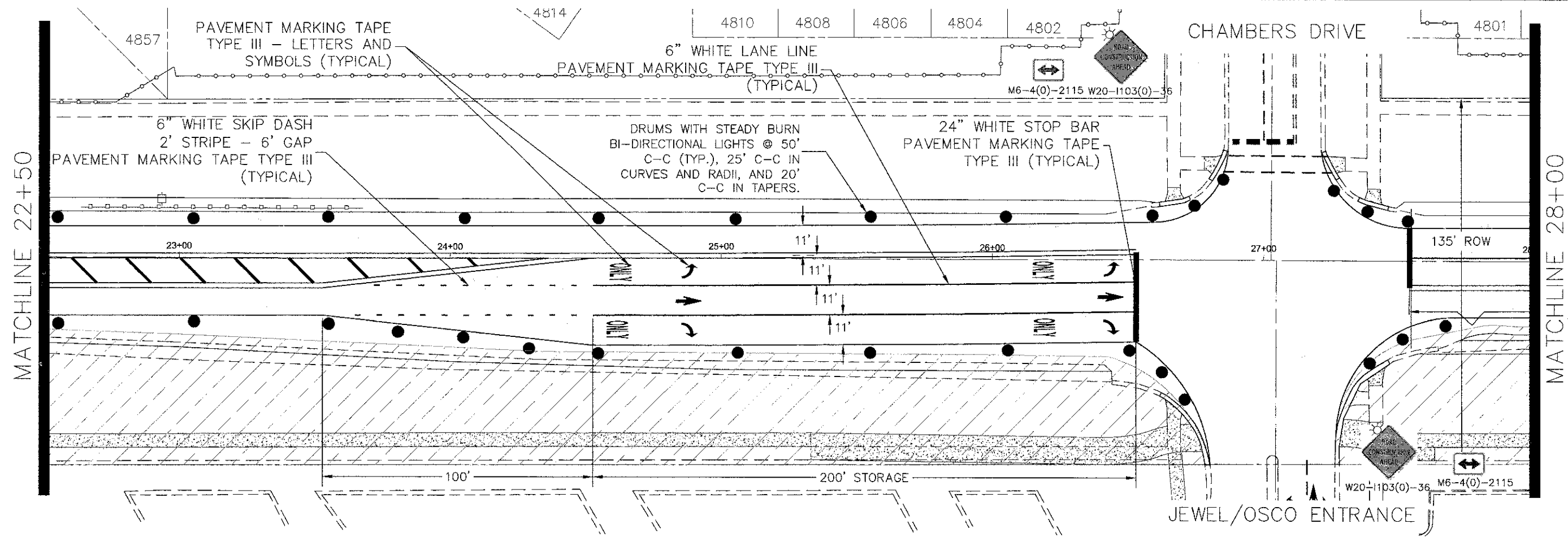
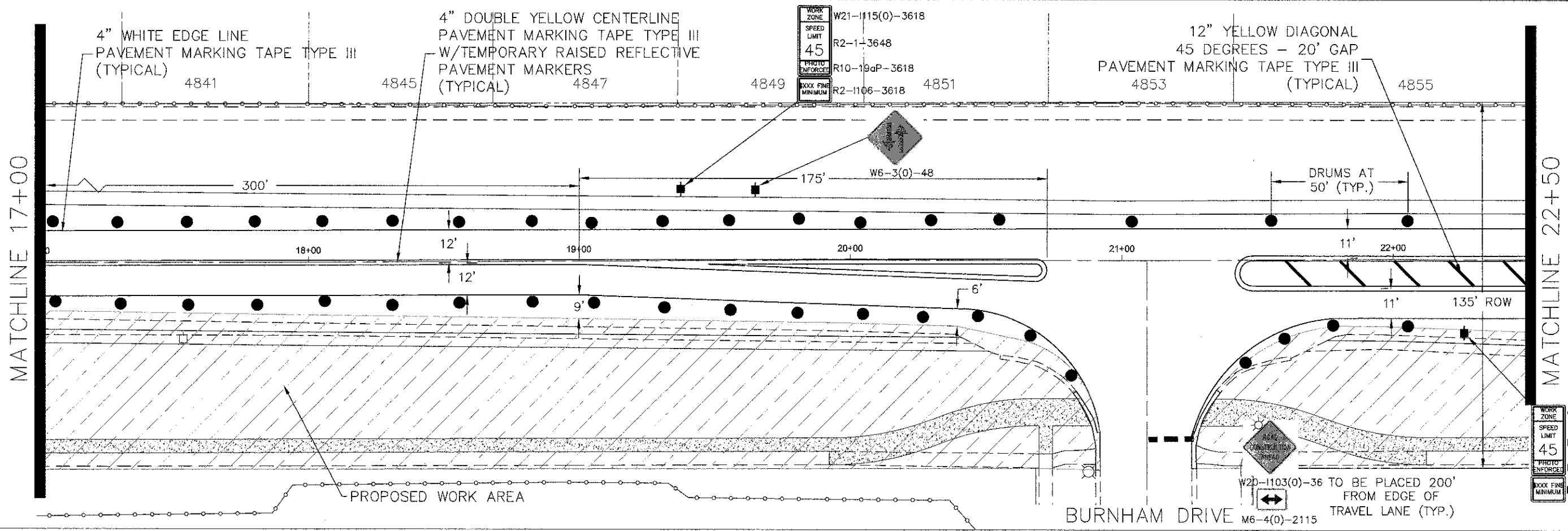
PROFILE
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 DRAWN BY: []
 CHECKED BY: []
 DATE: []



FILE NAME = Palatine Plan and Profile NEW.dwg	DESIGNED -	REVISÉ -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	Palatine Road Widening STP Project Construction Staging 2 Plan		F.A.U. R1E 1285	SECTION 09-00082-00-CH	COUNTY Cook	TOTAL SHEETS 97	SHEET NO. 14
	DRAWN -	REVISÉ -		SCALE: 1" = 20'	SHEET NO. 8 OF 13 SHEETS	STA. 6+00 TO STA 17+00	CONTRACT NO. 63749		ILLINOIS FED. AID PROJECT CMM 9003(492)	
	CHECKED -	REVISÉ -								
	DATE -	REVISÉ -								

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

PROFILE	DATE	BY
NO.		
NO.		
NO.		
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FILE NAME = Palatine Plan and Profile NEW.dwg

DESIGNED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -
DATE -	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

Palatine Road Widening STP Project
Construction Staging 2 Plan

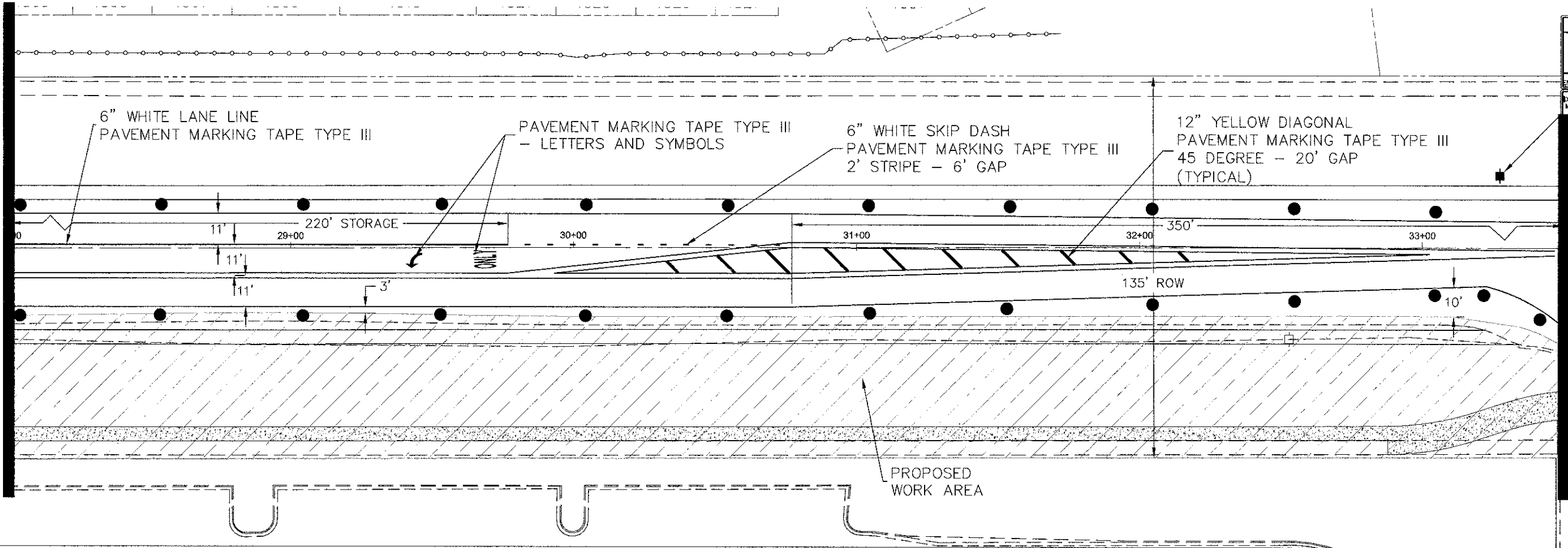
SCALE: 1" = 20' SHEET NO. 9 OF 13 SHEETS STA. 17+00 TO STA 28+00

F.A.U. R/F	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	15
CONTRACT NO. 63749			ILLINOIS FED. AID PROJECT CMM 9003(492)	

WORK ZONE	W21-1115(0)-3618
SPEED LIMIT	R2-1-3648
PHOTO ENFORCED	R10-19aP-3618
BOOK FINE MINIMUM	R2-1106-3618

MATCHLINE 28+00

MATCHLINE 33+50

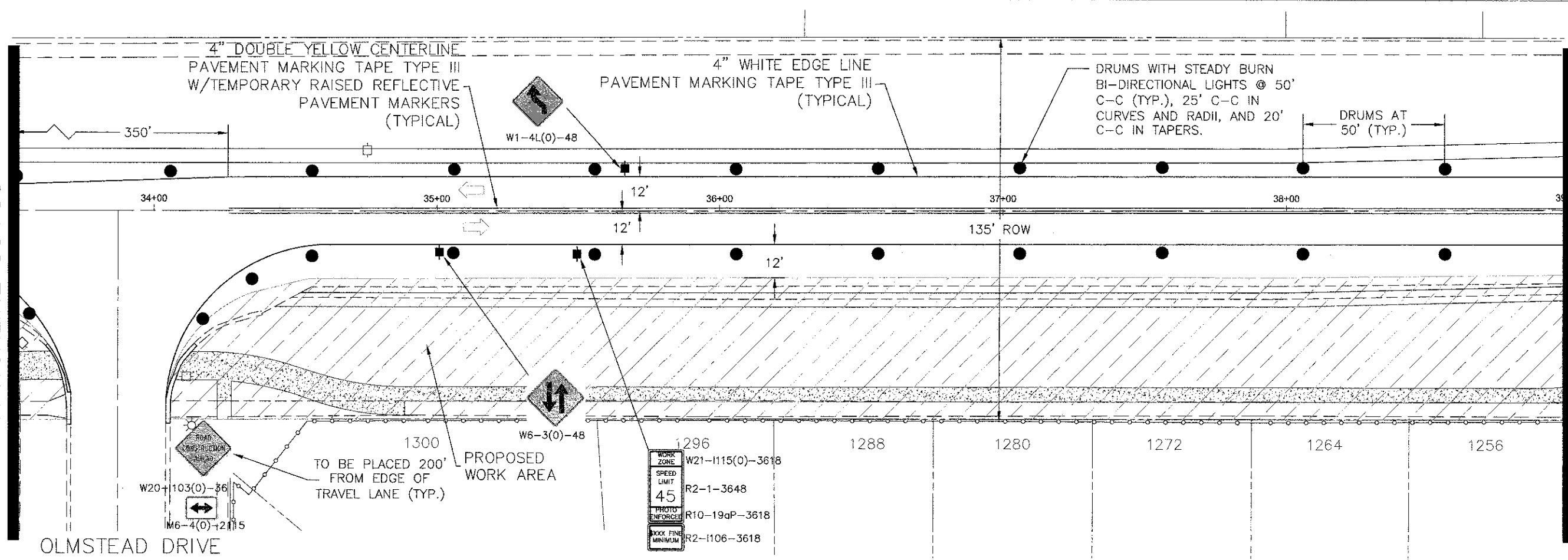


PLAN	REVISED	DATE
PROFILE	PLOTTED	
NOTE BOOK	ALIGNMENT CHECKED	
NO.	STRUCTURE NOTATIONS CHKD	

PROFILE	REVISED	DATE
NOTE BOOK	GRADES CHECKED	
NO.	STRUCTURE NOTATIONS CHKD	

MATCHLINE 33+50

MATCHLINE 39+00



WORK ZONE	W21-1115(0)-3618
SPEED LIMIT	R2-1-3648
PHOTO ENFORCED	R10-19aP-3618
BOOK FINE MINIMUM	R2-1106-3618

FILE NAME = Palatine Plan and Profile NEW.dwg

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

Palatine Road Widening STP Project
Construction Staging 2 Plan

SCALE: 1" = 20' SHEET NO. 10 OF 13 SHEETS STA. 28+00 TO STA 39+00

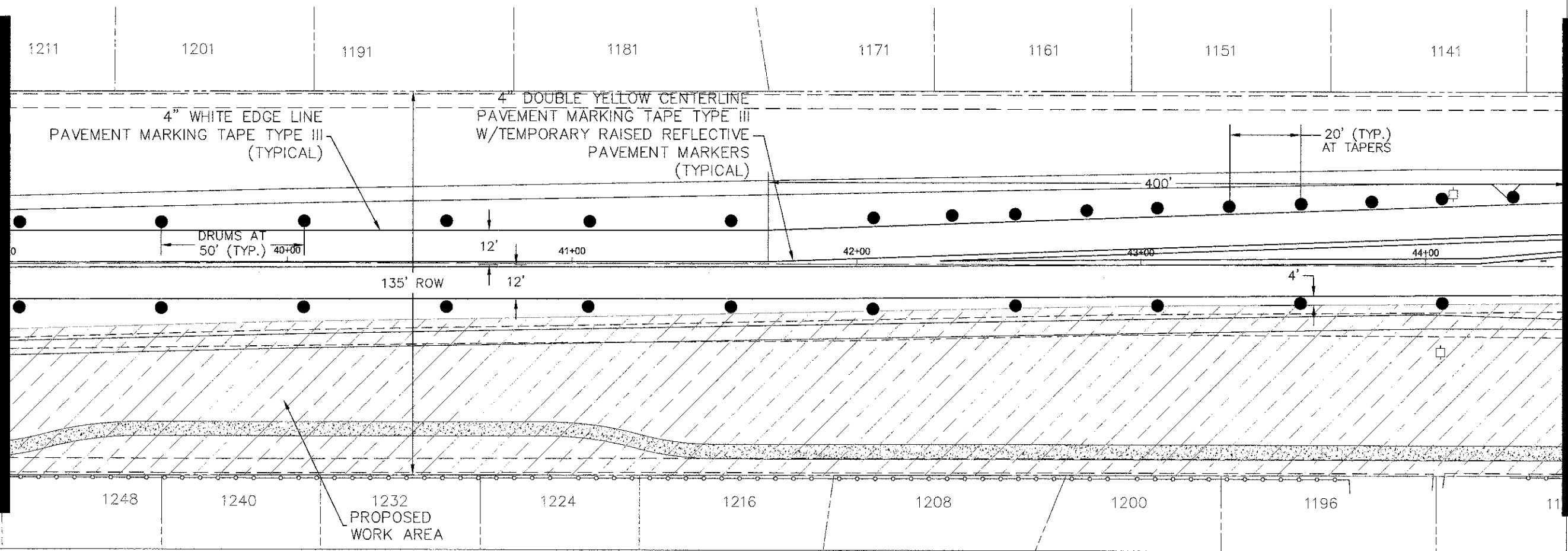
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	16
CONTRACT NO. 63749			ILLINOIS FED. AID PROJECT CMM 9003(492)	

PLAN SURVEYED
 PLOTTED
 NOTE BOOK NO. OF WAY CHECKED
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 NO. OF WAY CHECKED
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PROFILE SURVEYED
 PLOTTED
 NOTE BOOK NO. OF WAY CHECKED
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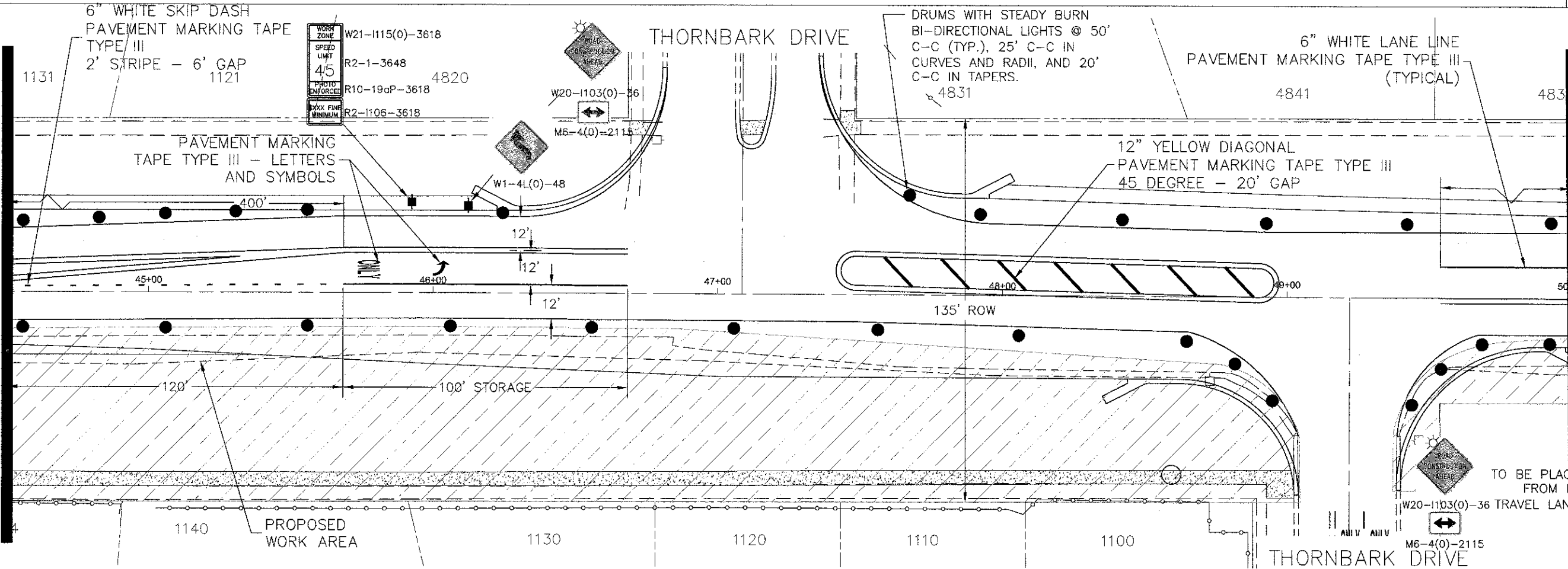
MATCHLINE 39+00

MATCHLINE 44+50



MATCHLINE 44+50

MATCHLINE 50+00



FILE NAME =
 Palatine Plan and Profile NEW.dwg

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

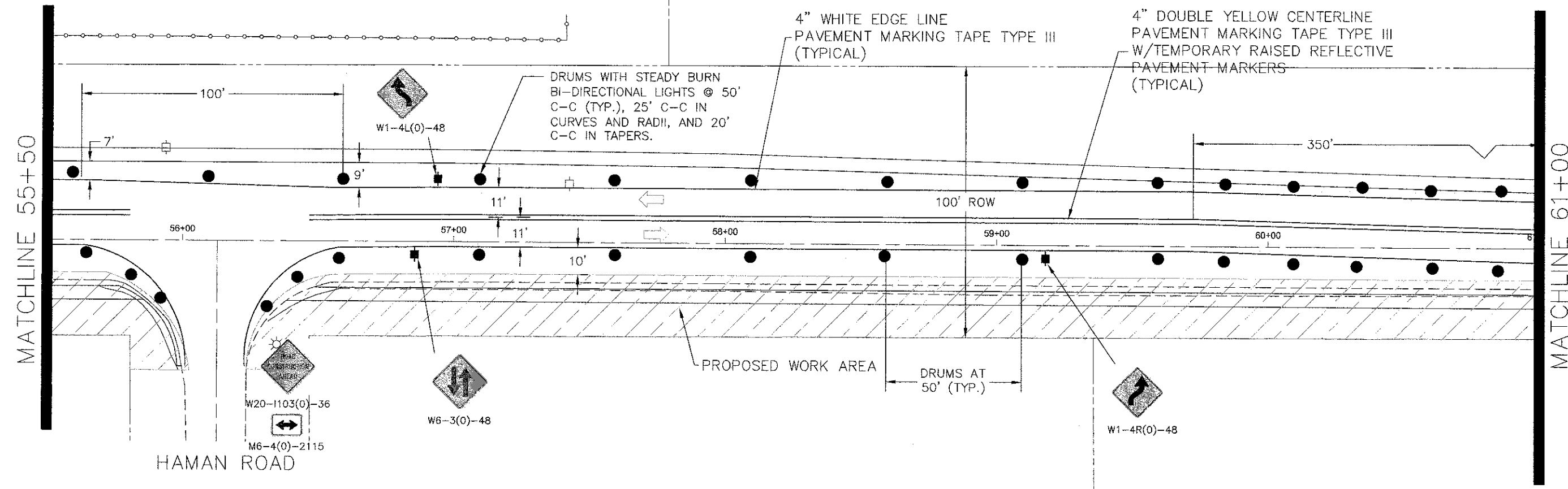
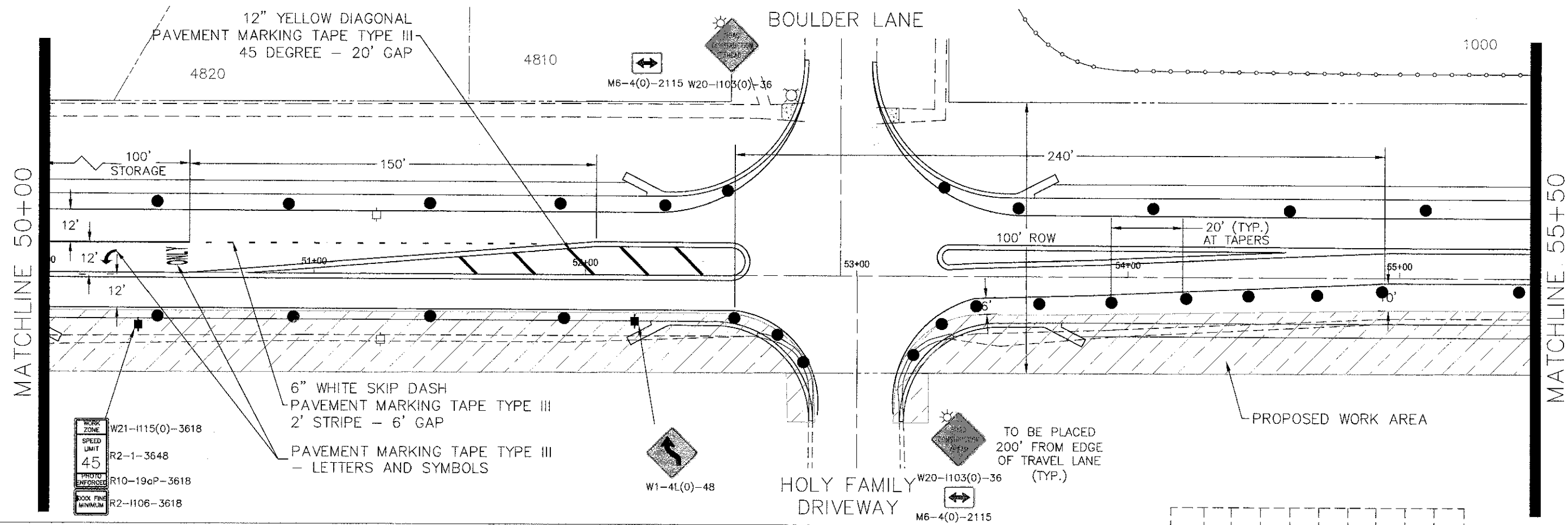
Palatine Road Widening STP Project
 Construction Staging 2 Plan

SCALE: 1" = 20' SHEET NO. 11 OF 13 SHEETS STA. 39+00 TO STA 50+00

F.A.U. R.I.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	17
CONTRACT NO. 63749			ILLINOIS FED. AID PROJECT CMM 9003(492)	

PLAN	DESIGNED	DATE	BY
	NOTED		
	ALIGNED		
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	NO.		
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PROFILE	DESIGNED	DATE	BY
	NOTED		
	ALIGNED		
	CHECKED		
	NO.		
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	NO.		
	NO.		



FILE NAME =
Palatine Plan and Profile NEW.dwg

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

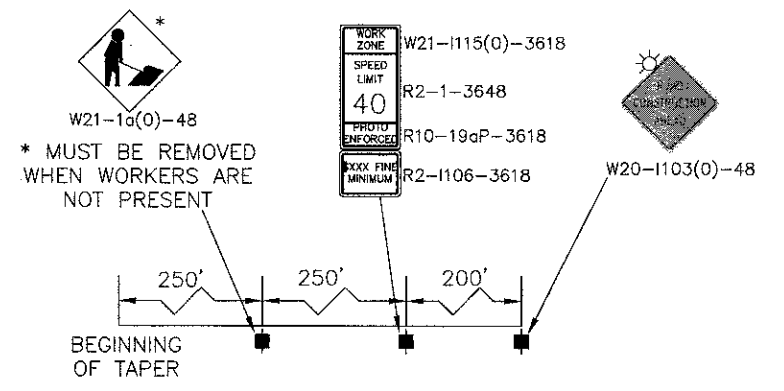
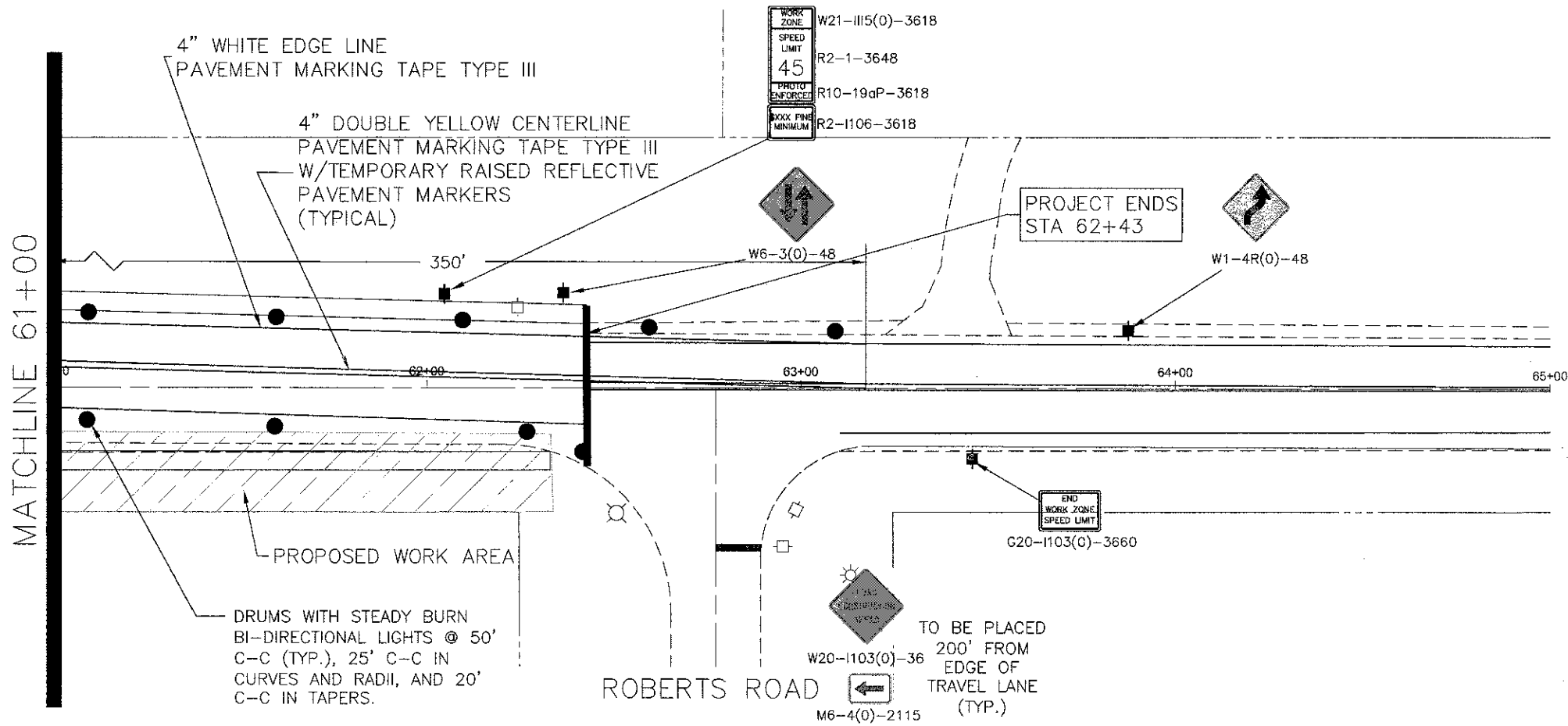
Palatine Road Widening STP Project
Construction Staging 2 Plan

SCALE: 1" = 20' SHEET NO. 12 OF 13 SHEETS STA. 50+00 TO STA 61+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	18
CONTRACT NO. 63749			ILLINOIS FED. AID PROJECT CMM 9003(492)	

PLAN	SURVEYED	DATE	BY
	ALIGNED		
	CHECKED		
	RT. OF WAY		
	CHECKED		
	NO.		

PROFILE	SURVEYED	DATE	BY
	GRADES		
	CHECKED		
	STRUCTURE		
	NOTATIONS		
	CHG		
	NO.		



FILE NAME =
Palatine Plan and Profile NEW.dwg

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

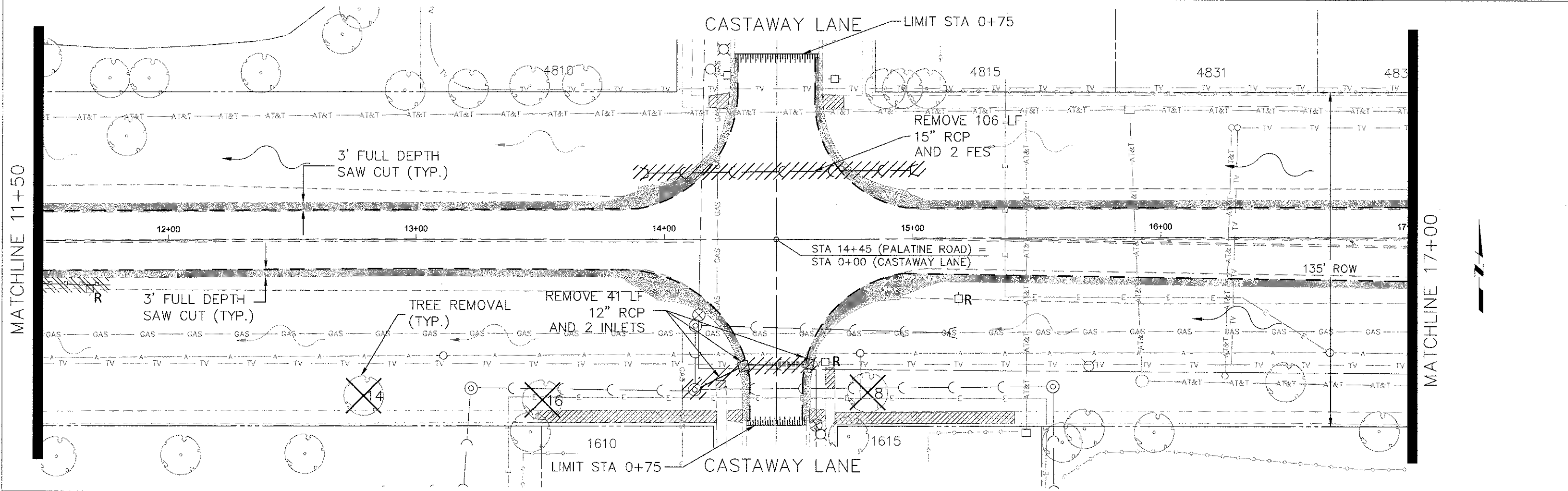
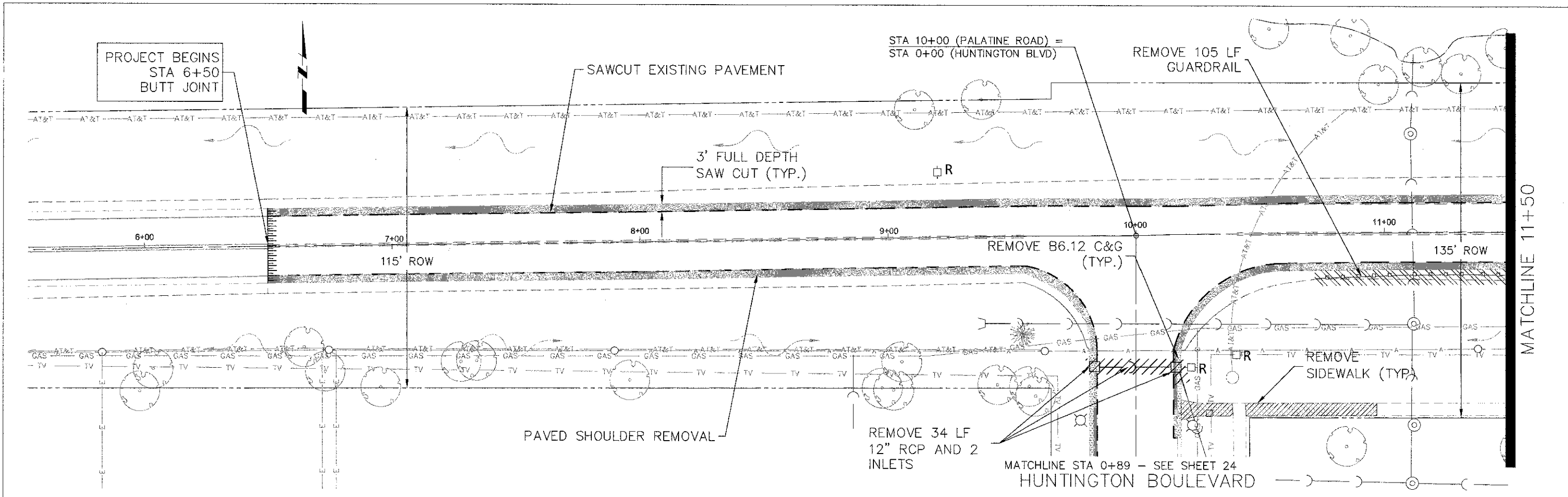
Palatine Road Widening STP Project
Construction Staging 2 Plan

SCALE: 1" = 20' SHEET NO. 13 OF 13 SHEETS STA. 61+00 TO STA 65+00

F.A.U. R.I.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	19
CONTRACT NO. 63749			ILLINOIS FED. AID PROJECT CMM 9003(492)	

PLAN	SURVEYED	DATE	BY
	NOTE BOOK		
	ALIGNED		
	BT. OF WAY		
	CHECKED		
	NO.		

PROFILE	SURVEYED	DATE	BY
	NOTE BOOK		
	GRADES		
	STRUCTURE		
	NO.		



FILE NAME =
Palatine Plan and Profile NEW.dwg

DESIGNED -	REVISOR -
DRAWN -	REVISOR -
CHECKED -	REVISOR -
DATE -	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

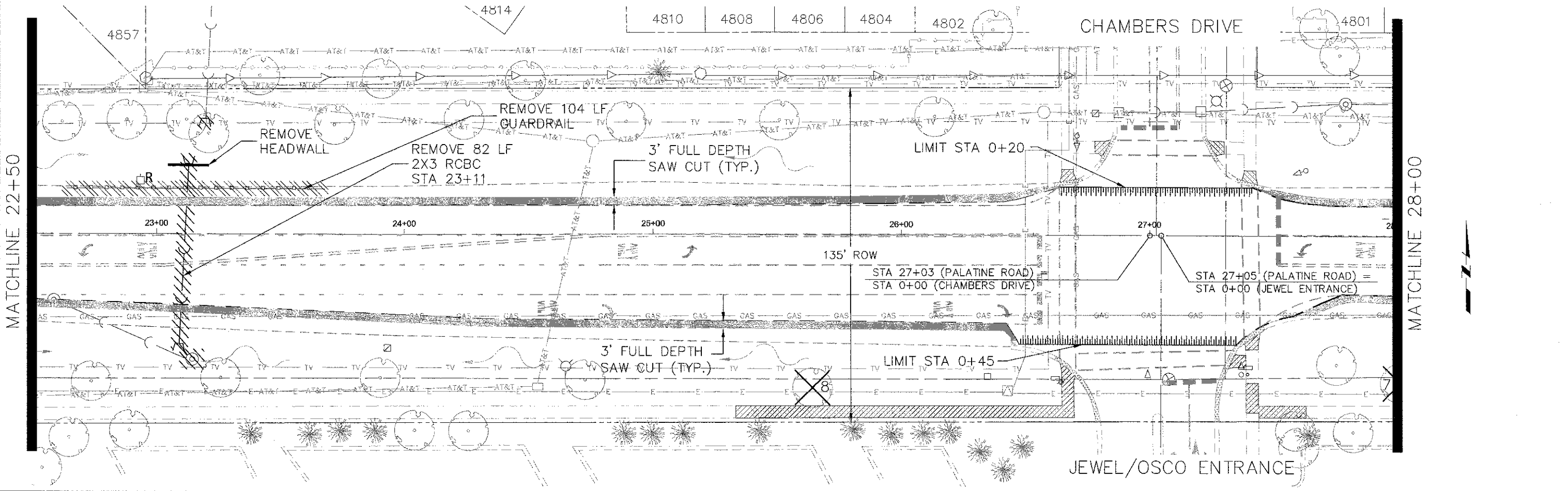
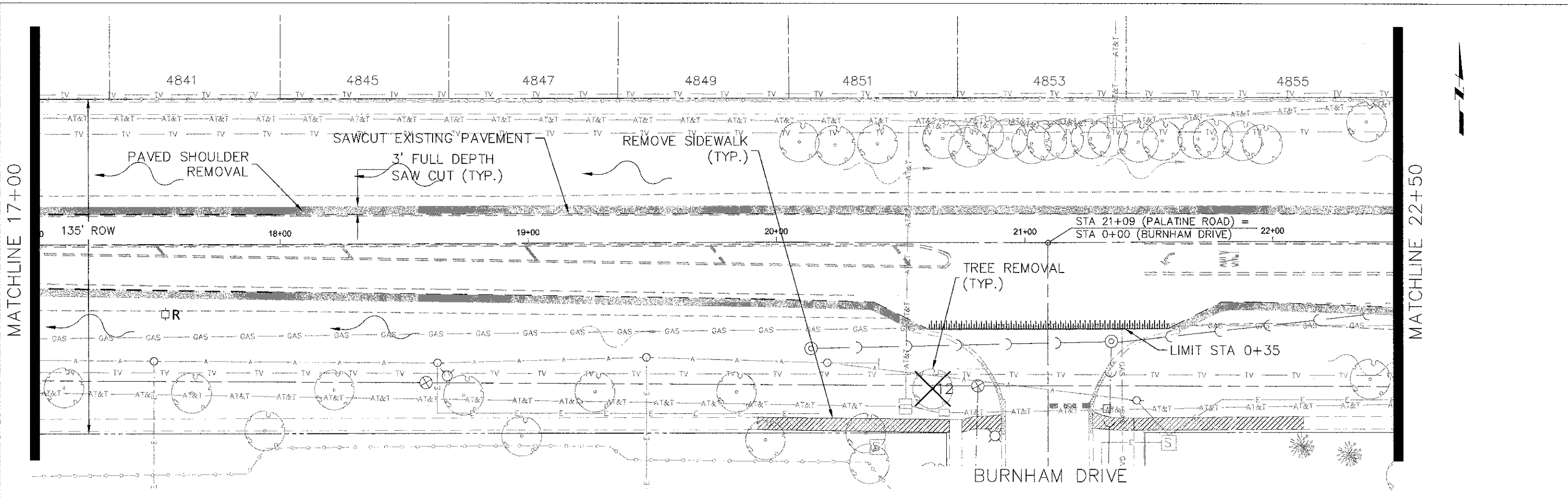
Palatine Road Widening STP Project
Existing Conditions & Demolition Plan

F.A.U. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	20
CONTRACT NO. 63749				
ILLINOIS FED. AID PROJECT CMM 9003(492)				

SCALE: 1" = 20' SHEET NO. 1 OF 6 SHEETS STA. 6+00 TO STA 17+00

PLAN	DESIGNED	DATE
NOTE BOOK	PLOTTED	BY
NO.	ALIGNED	DATE
	CHECKED	BY
	NOTARIES	CHRD
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PROFILE	DATE
DESIGNED	BY
PLOTTED	DATE
ALIGNED	BY
CHECKED	DATE
NOTARIES	CHRD
NO.	



FILE NAME = Palatine Plan and Profile NEW.dwg

DESIGNED -	REVISÉ -
DRAWN -	REVISÉ -
CHECKED -	REVISÉ -
DATE -	REVISÉ -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

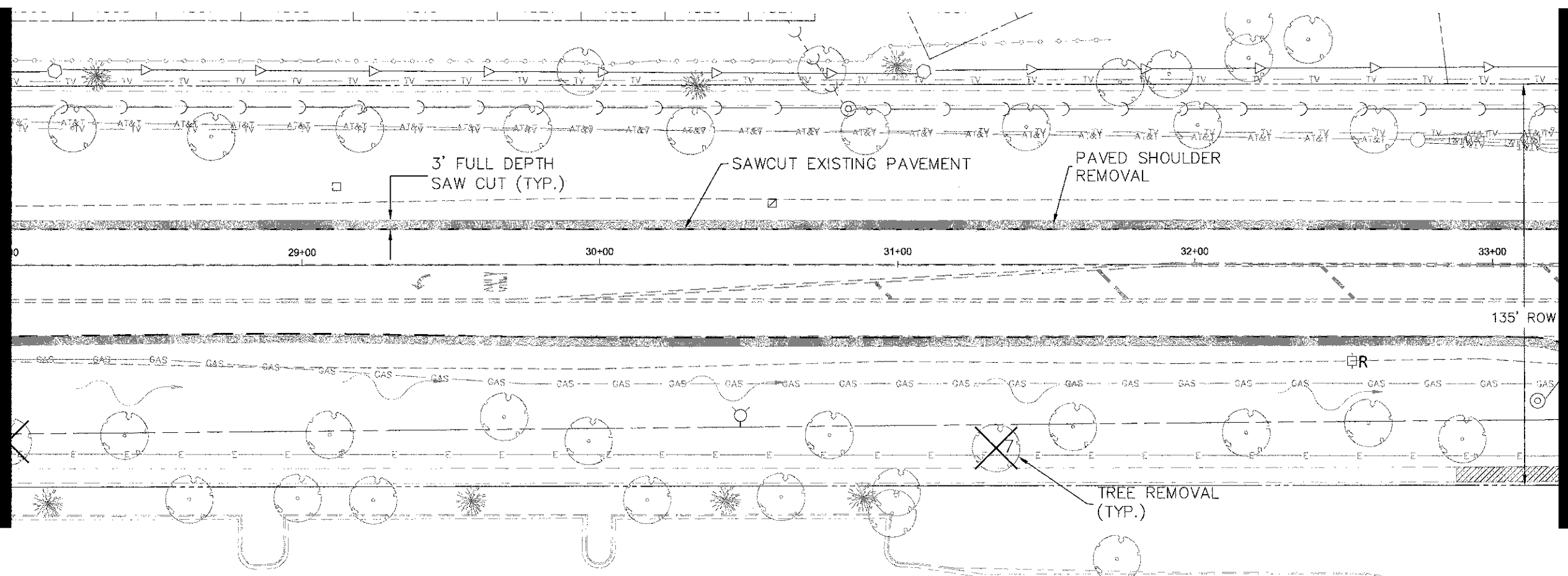
Palatine Road Widening STP Project
Existing Conditions & Demolition Plan

SCALE: 1" = 20' SHEET NO. 2 OF 6 SHEETS STA. 17+00 TO STA 28+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	21
				CONTRACT NO. 63749
ILLINOIS FED. AID PROJECT CMM 9003(492)				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO.	
	PROFILE NAME	

MATCHLINE 28+00

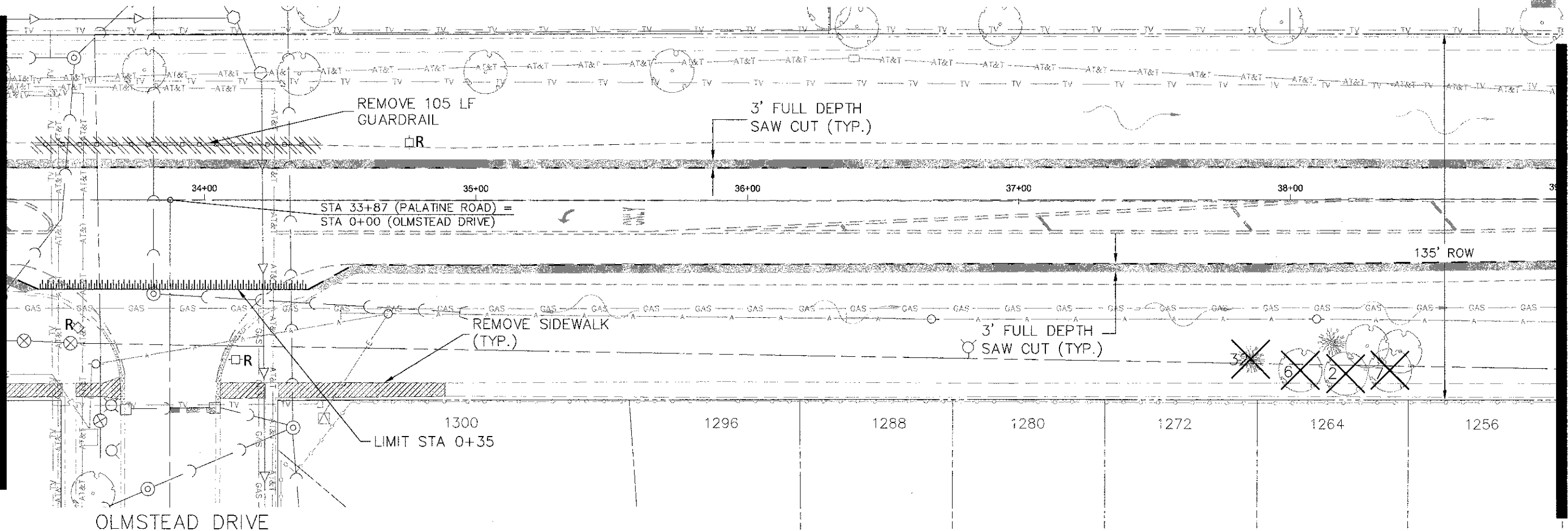


MATCHLINE 33+50



PROFILE	DATE	BY

MATCHLINE 33+50



MATCHLINE 39+00



OLMSTEAD DRIVE

FILE NAME =
Palatine Plan and Profile NEW.dwg

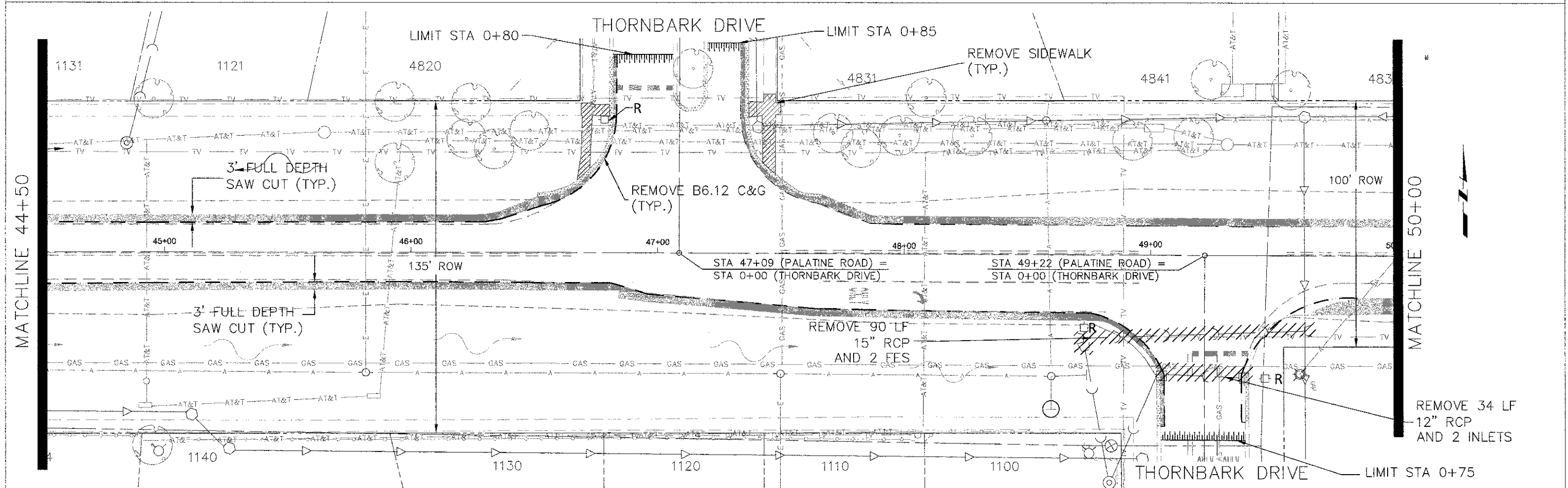
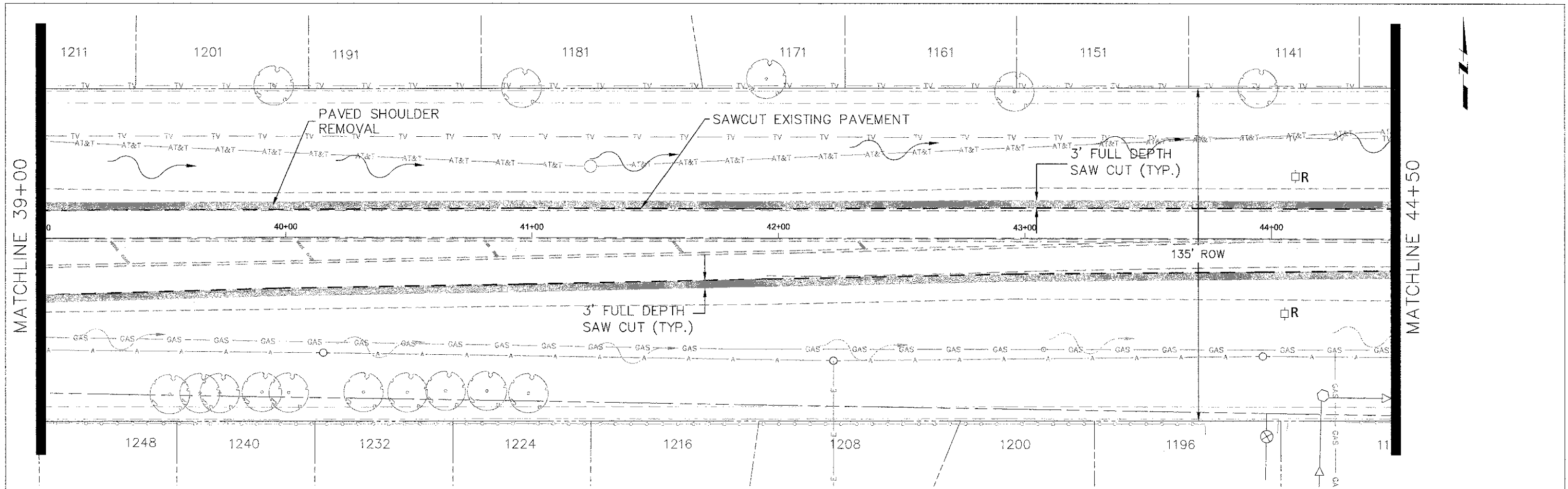
DESIGNED -	REVISED -
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CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Palatine Road Widening STP Project
Existing Conditions & Demolition Plan

SCALE: 1" = 20' SHEET NO. 3 OF 6 SHEETS STA. 28+00 TO STA 39+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	22
CONTRACT NO. 63749			ILLINOIS FED. AID PROJECT CMM 9003(492)	



PLAN	SURVEYED	DATE
NOTED	BY	
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PROFILE	SURVEYED	DATE
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FILE NAME =
Palatine Plan and Profile NEW.dwg

DESIGNED --	REVISED --
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CHECKED --	REVISED --
DATE --	REVISED --

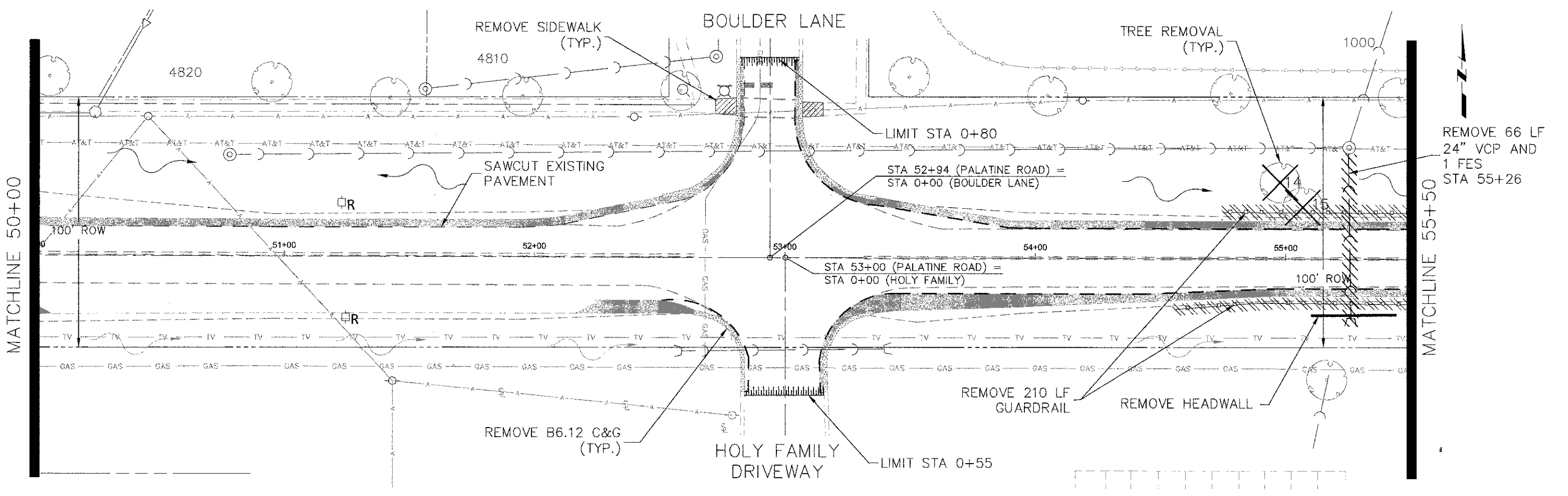
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

Palatine Road Widening STP Project
Existing Conditions & Demolition Plan

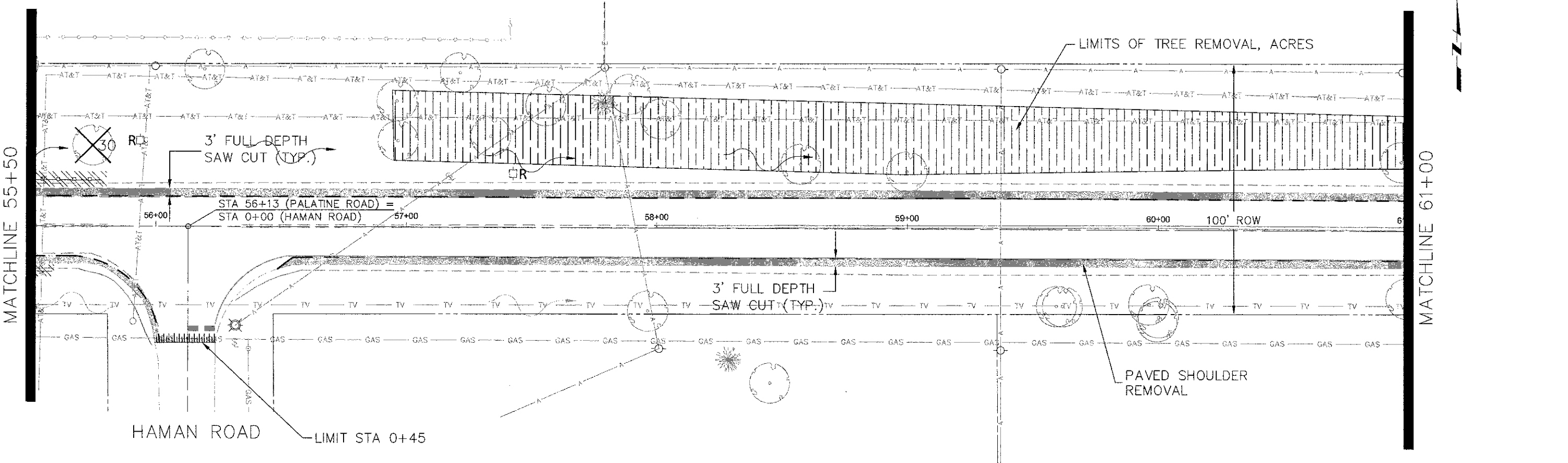
SCALE: 1" = 20' SHEET NO. 4 OF 6 SHEETS STA. 39+00 TO STA 50+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	08-00082-00-CH	Cook	97	23
				CONTRACT NO. 63749
ILLINOIS FED. AID PROJECT CMM 9003(492)				

PLAN	DATE
REVISED	BY
NOTED	DATE
GRADES CHECKED	BY
ALIGNMENT CHECKED	DATE
BY	
DATE	
NO.	

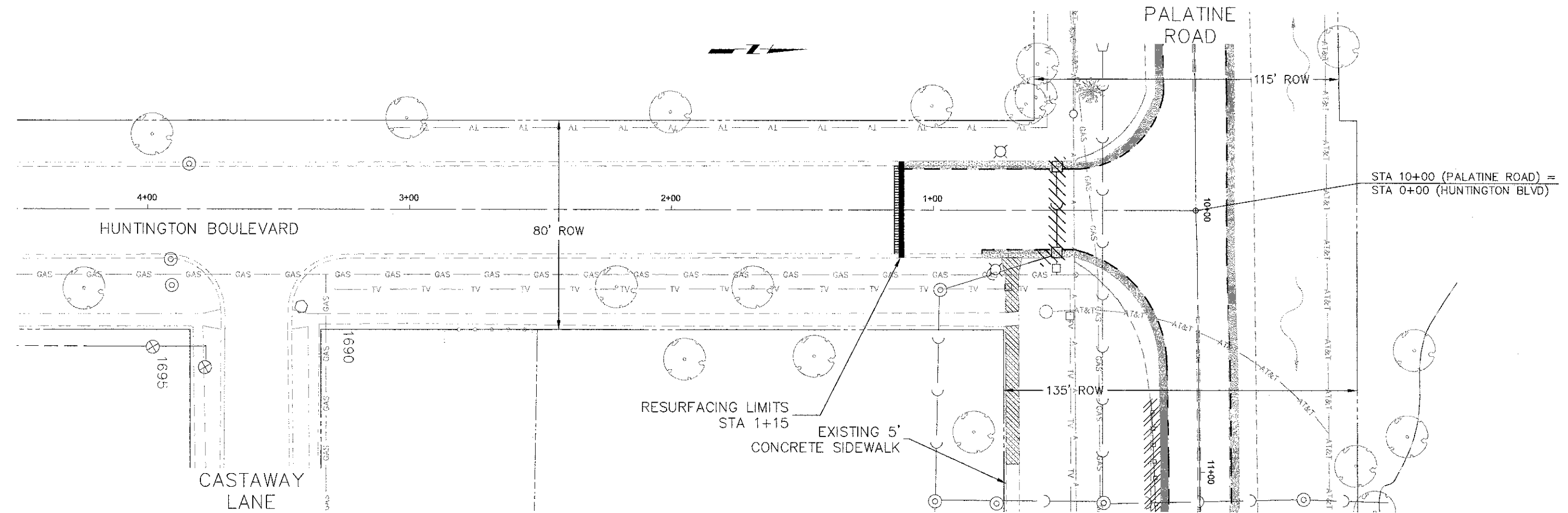
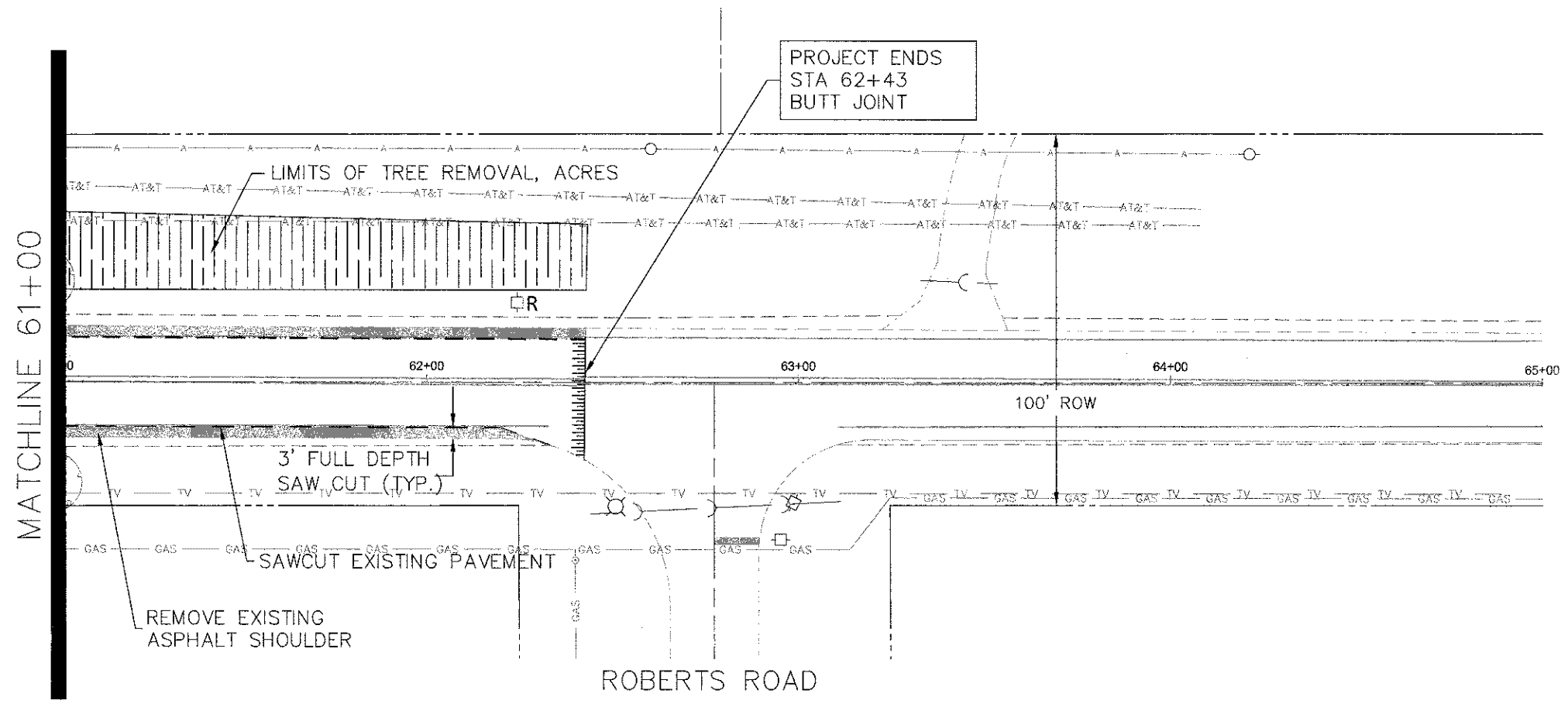


PROFILE	DATE
REVISED	BY
NOTED	DATE
GRADES CHECKED	BY
ALIGNMENT CHECKED	DATE
BY	
DATE	
NO.	



PLAN	SURVEYED	DATE
	PLOTTED	
	NOTED	
	NOTE BOOK	
	NO.	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTED	
	NOTE BOOK	
	NO.	
	NO.	



FILE NAME =
Palatine Plan and Profile NEW.dwg

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

Palatine Road Widening STP Project
Existing Conditions & Demolition Plan

SCALE: 1" = 20' SHEET NO. 6 OF 6 SHEETS STA. 61+00 TO STA 65+00 & Huntington

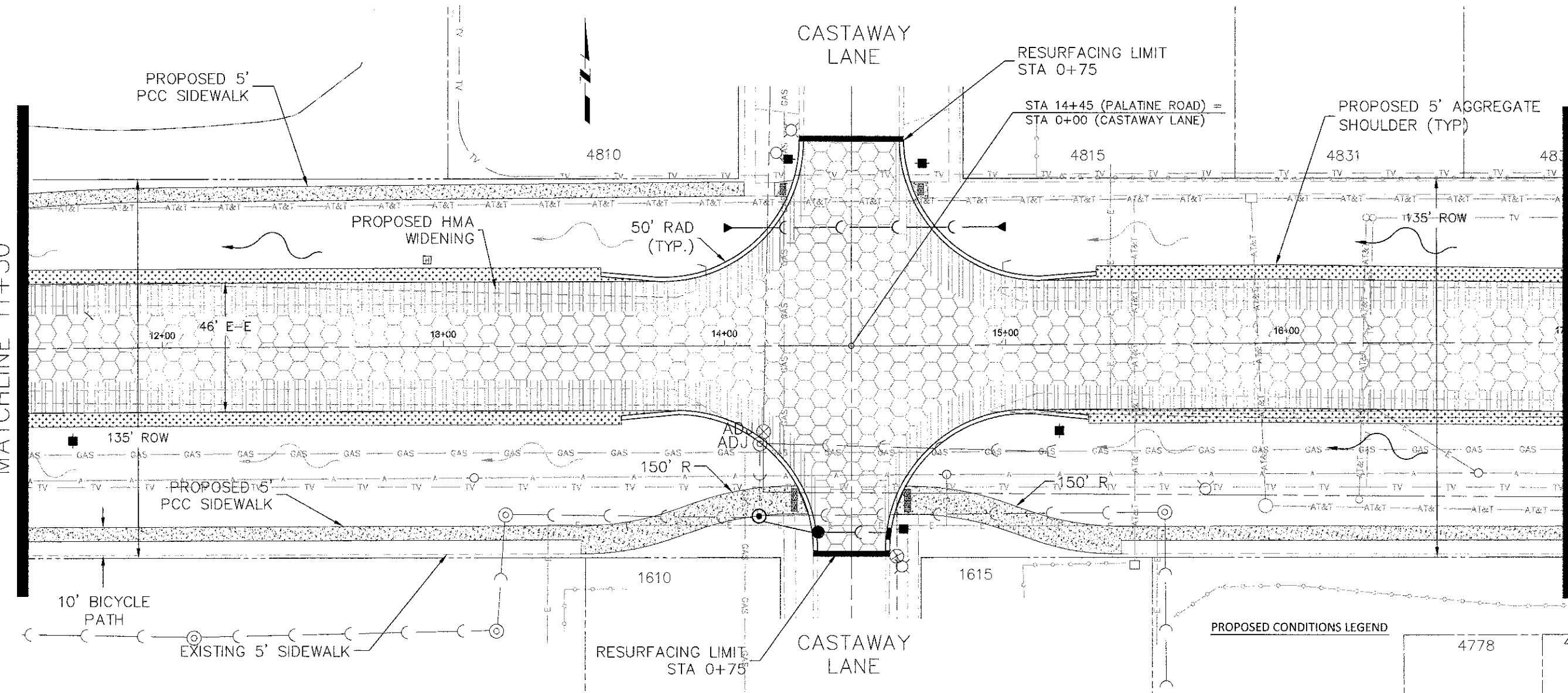
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	25
CONTRACT NO. 63749				ILLINOIS FED. AID PROJECT CMM 9003(492)

PLAN SURVEYED
 PLOTTED
 NOTE BOOK NO. []
 CHECKED BY []
 DATE []

PROFILE SURVEYED
 PLOTTED
 NOTE BOOK NO. []
 CHECKED BY []
 DATE []

MATCHLINE 11+50

MATCHLINE 17+00

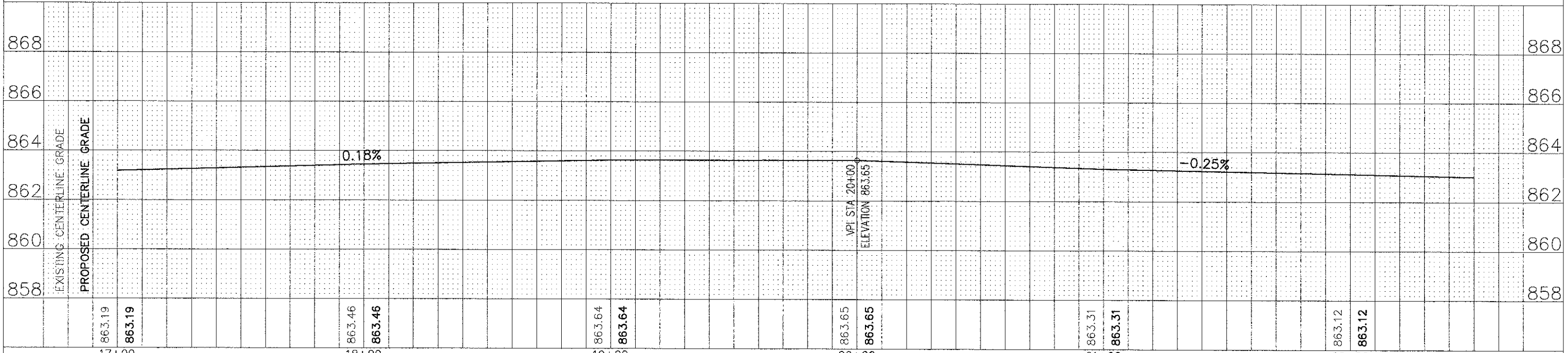
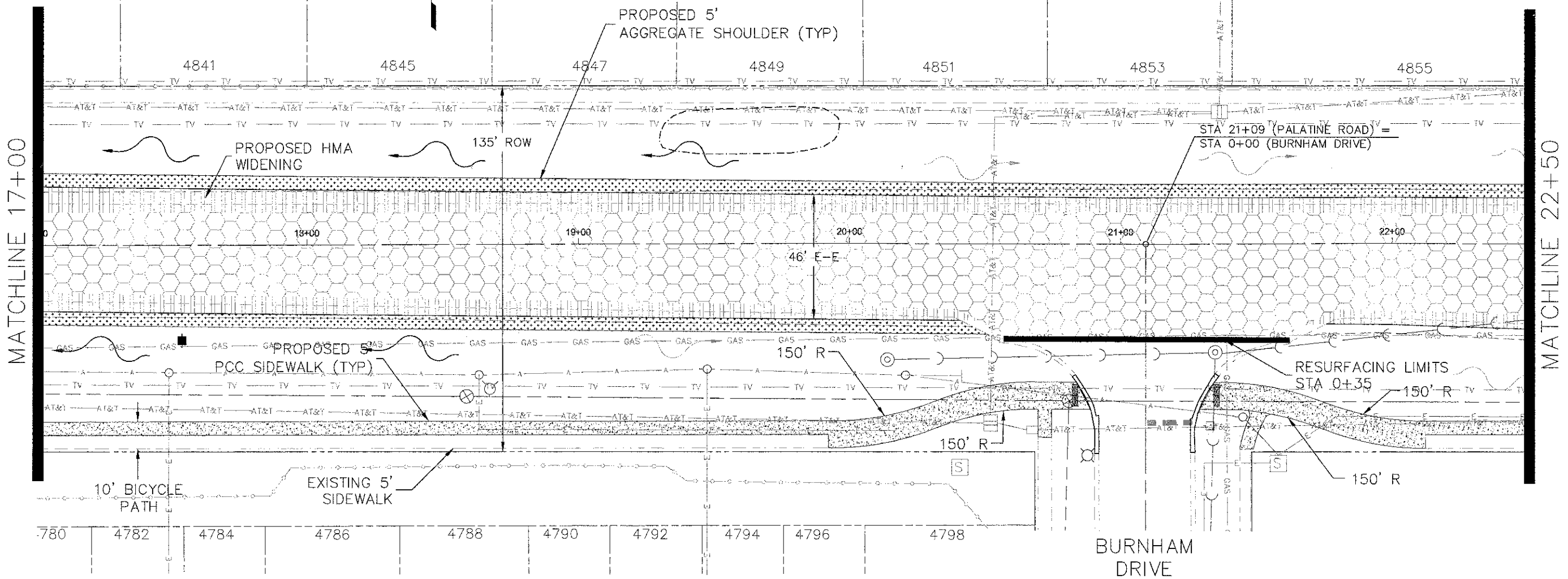


ELEVATION	STATION	EXISTING CENTERLINE GRADE	PROPOSED CENTERLINE GRADE
868			
866			
864			
862			
860			
858			
	12+00		
	13+00		
	14+00		
	15+00		
	16+00		
	17+00		

FILE NAME = Palatine Plan and Profile.dwg	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	Palatine Road Widening STP Project		F.A.U. R.T.E. 1285	SECTION 09-00082-00-CH	COUNTY Cook	TOTAL SHEETS 97	SHEET NO. 27
	DRAWN -	REVISED -		Palatine Road Widening STP Project		CONTRACT NO. 63749		ILLINOIS FED. AID PROJECT CMM 9003(492)		
	CHECKED -	REVISED -		SCALE: 1" = 20'		SHEET NO. 2 OF 11 SHEETS		STA. 11+50 TO STA 17+00		
	DATE -	REVISED -								

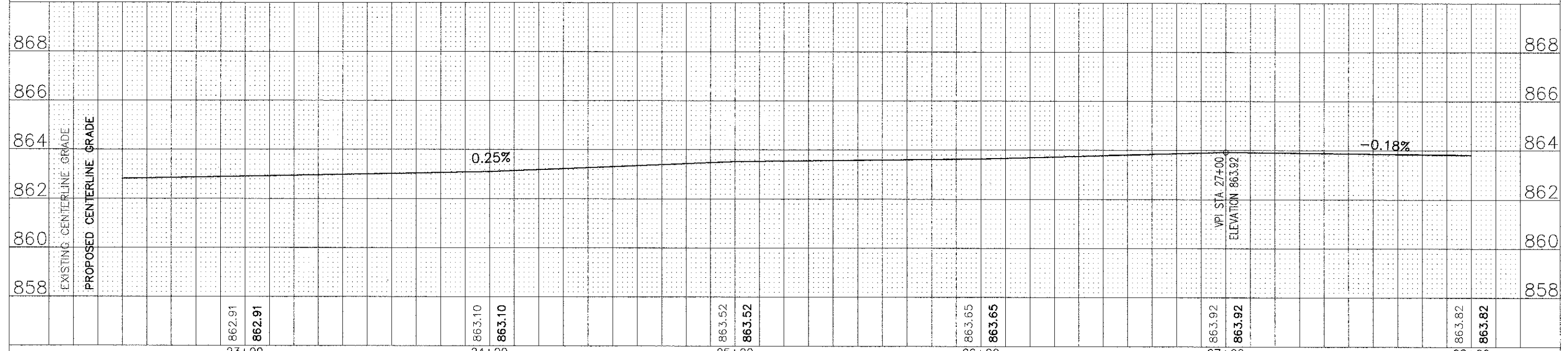
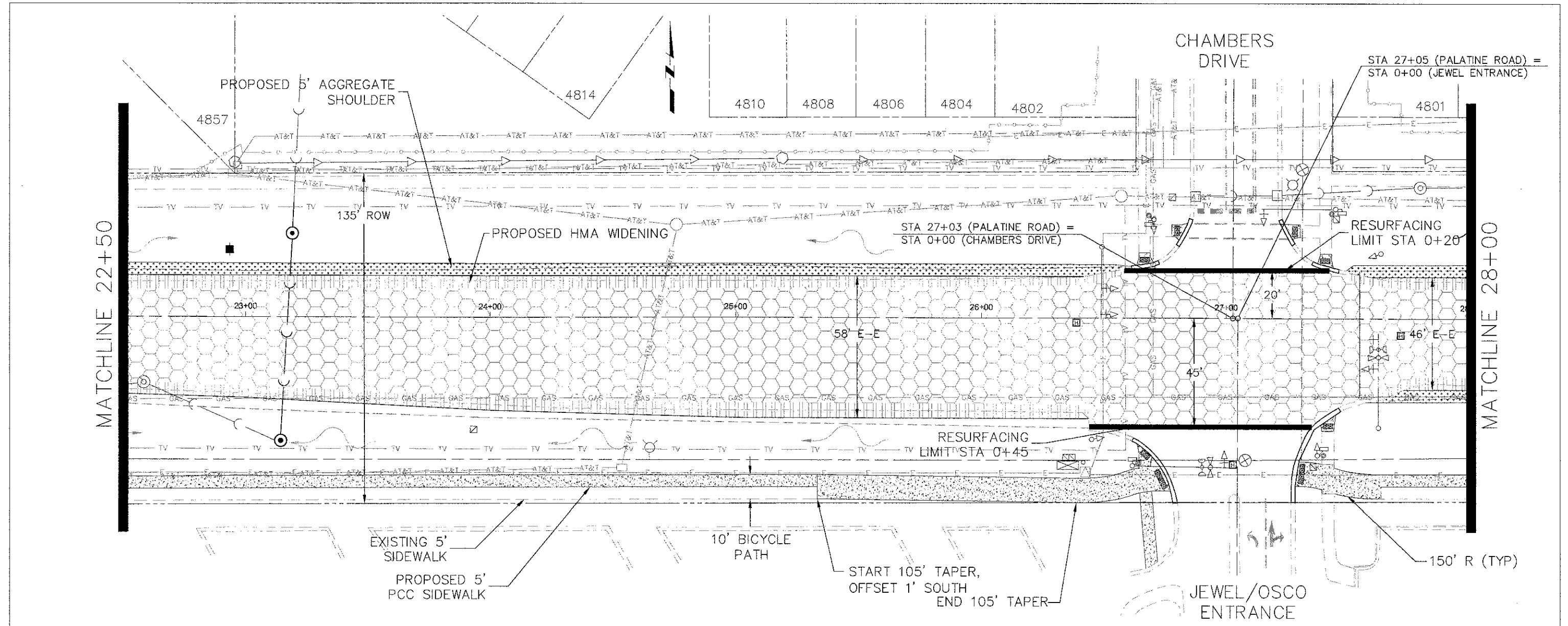
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 NO. OF WAY CHECKED
 NO. OF PROFILE NAME

PROFILE
 SURVEYED
 GRADES CHECKED
 NO. OF STRUCTURE NOTATION GRID
 DATE
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PLAN	DATE
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PLotted	DATE
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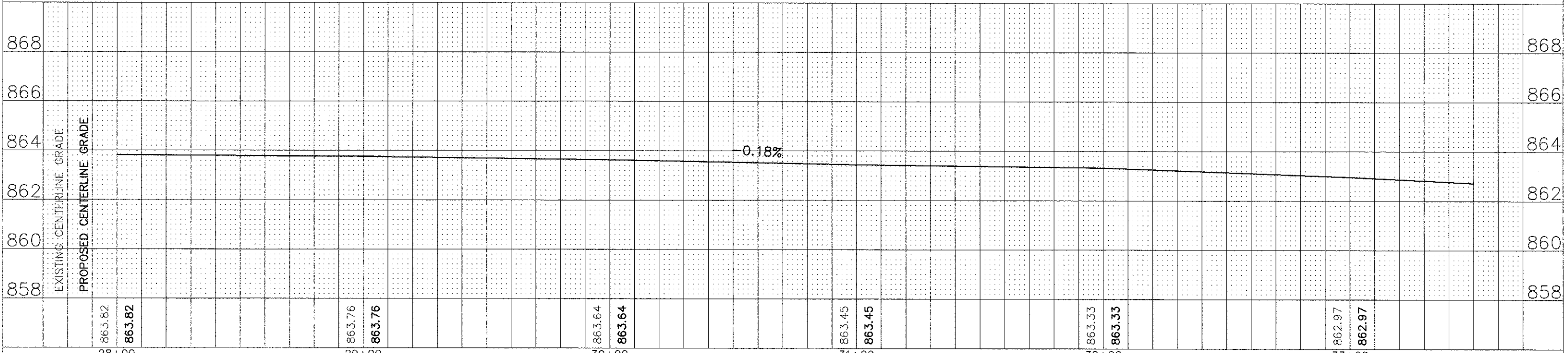
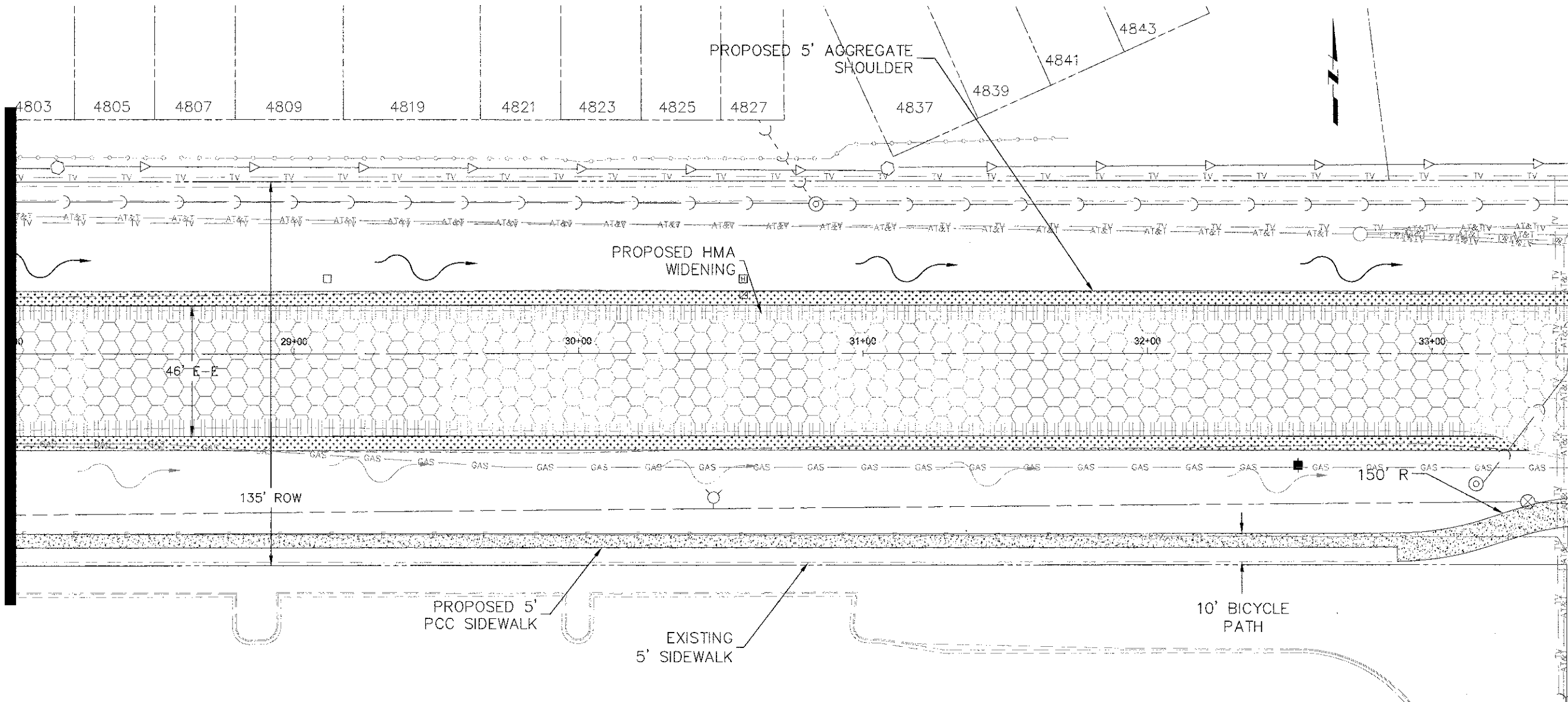
FILE NAME = Palatine Plan and Profile.dwg	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	Palatine Road Widening STP Project Plan and Profile	F.A.U. RTE. 1285	SECTION 09-00082-00-CH	COUNTY Cook	TOTAL SHEET SHEETS NO. 97 29
				SCALE: 1" = 20'	SHEET NO. 4 OF 11 SHEETS	STA. 22+50 TO STA 28+00	CONTRACT NO. 63749	ILLINOIS FED. AID PROJECT CMM 9003(492)

SURVEYED
 PLAN
 NOTE BOOK ALIGNMENT CHECKED
 NO. OF WAY CHECKED
 NO.

SURVEYED
 PROFILE
 NOTE BOOK GRADES CHECKED
 NO. OF STRUCTURE NOTATIONS CHD

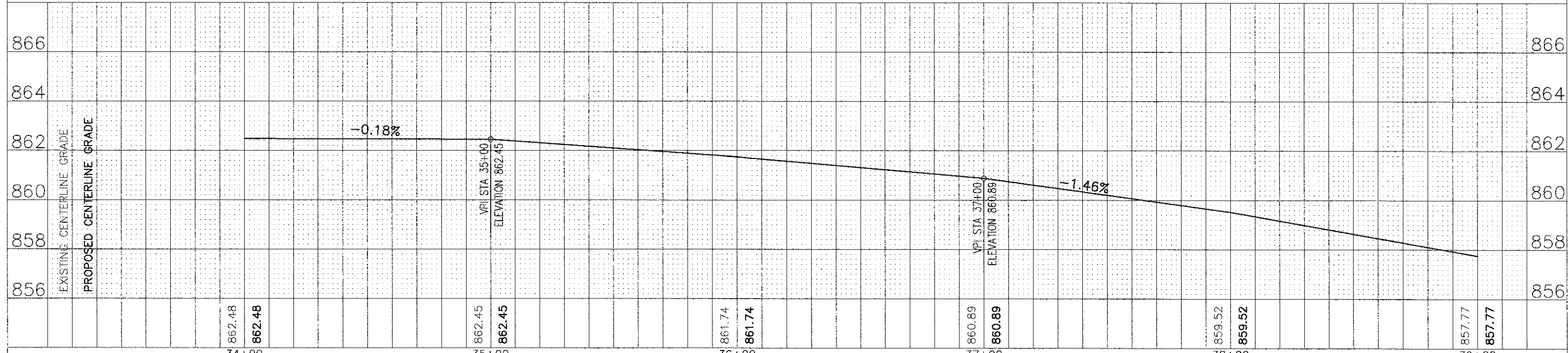
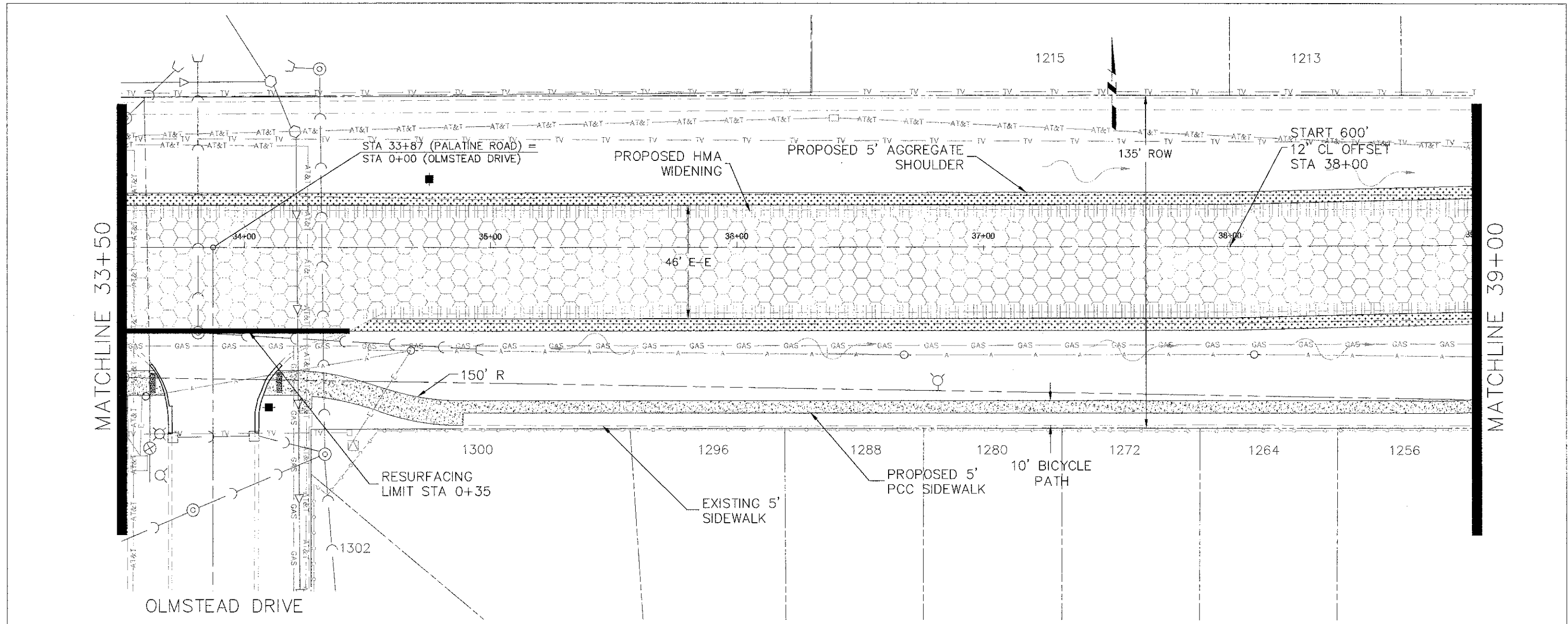
MATCHLINE 28+00

MATCHLINE 33+50



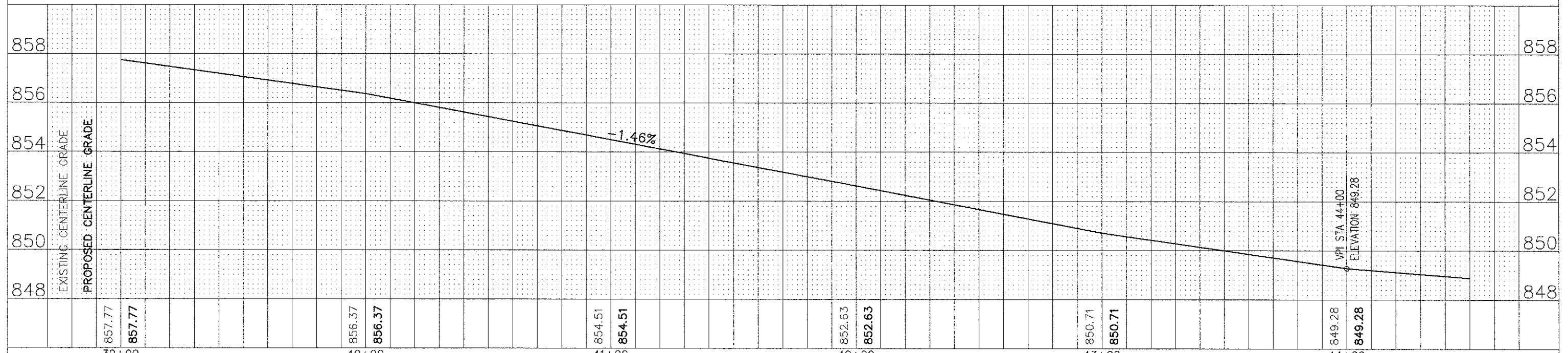
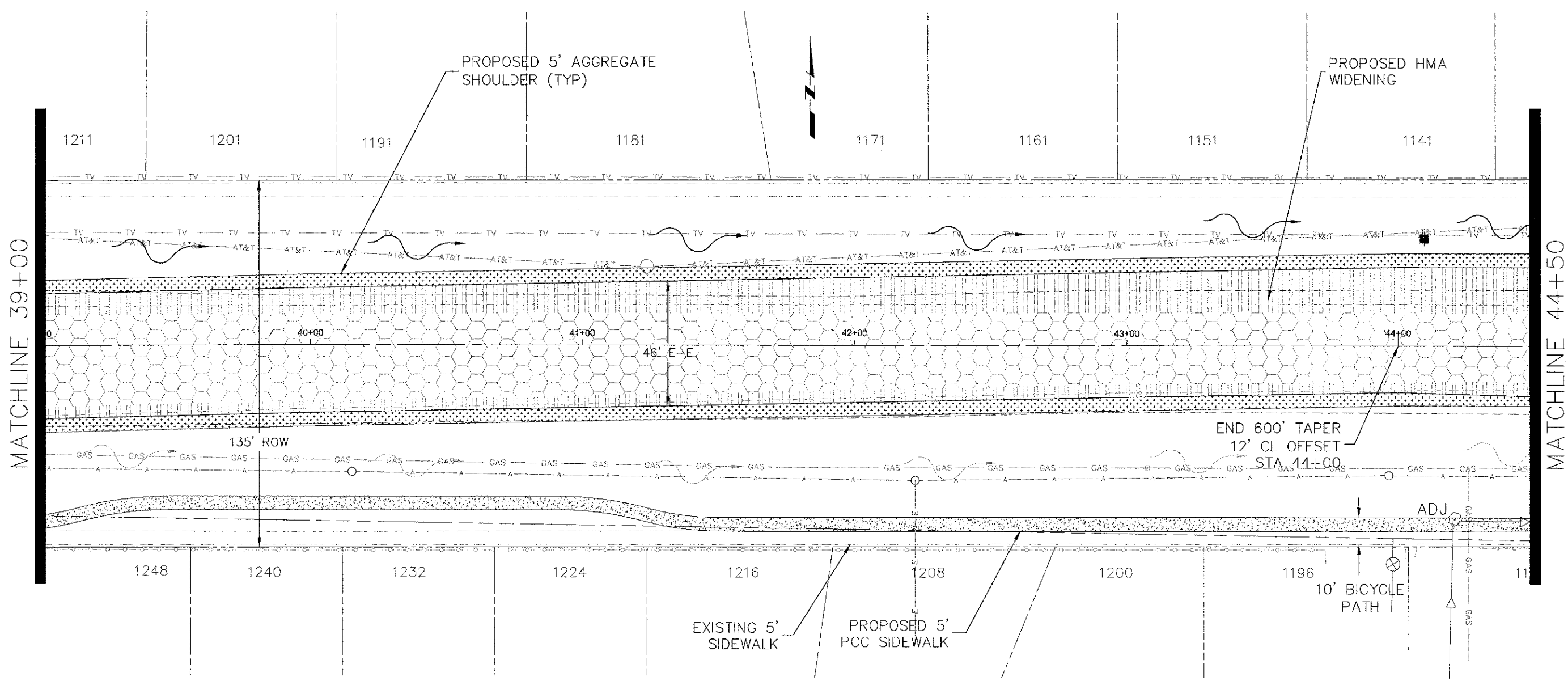
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 SURVEYOR NAME _____

PROFILE SURVEYED
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 NOTE BOOK GRADES CHECKED
 NO. _____
 SURVEYOR NAME _____



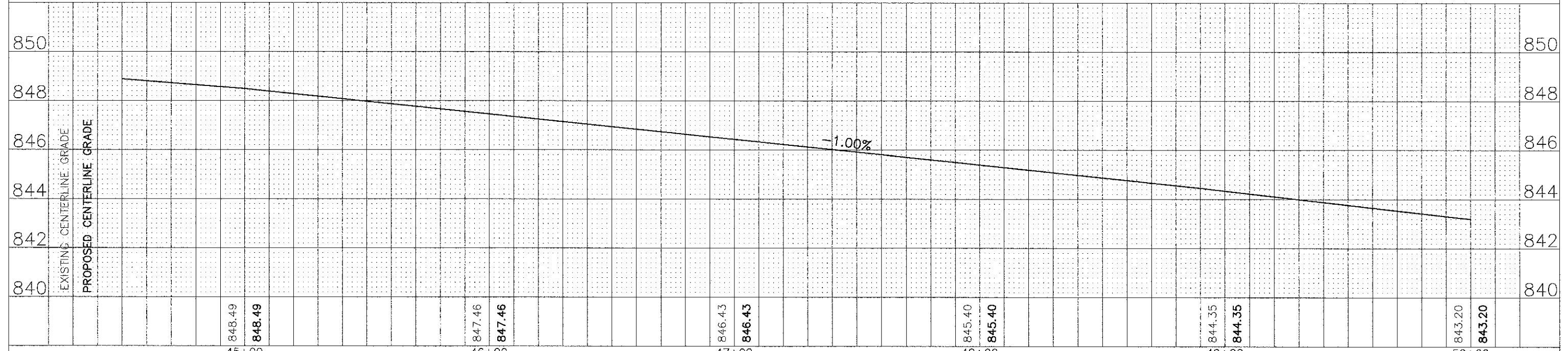
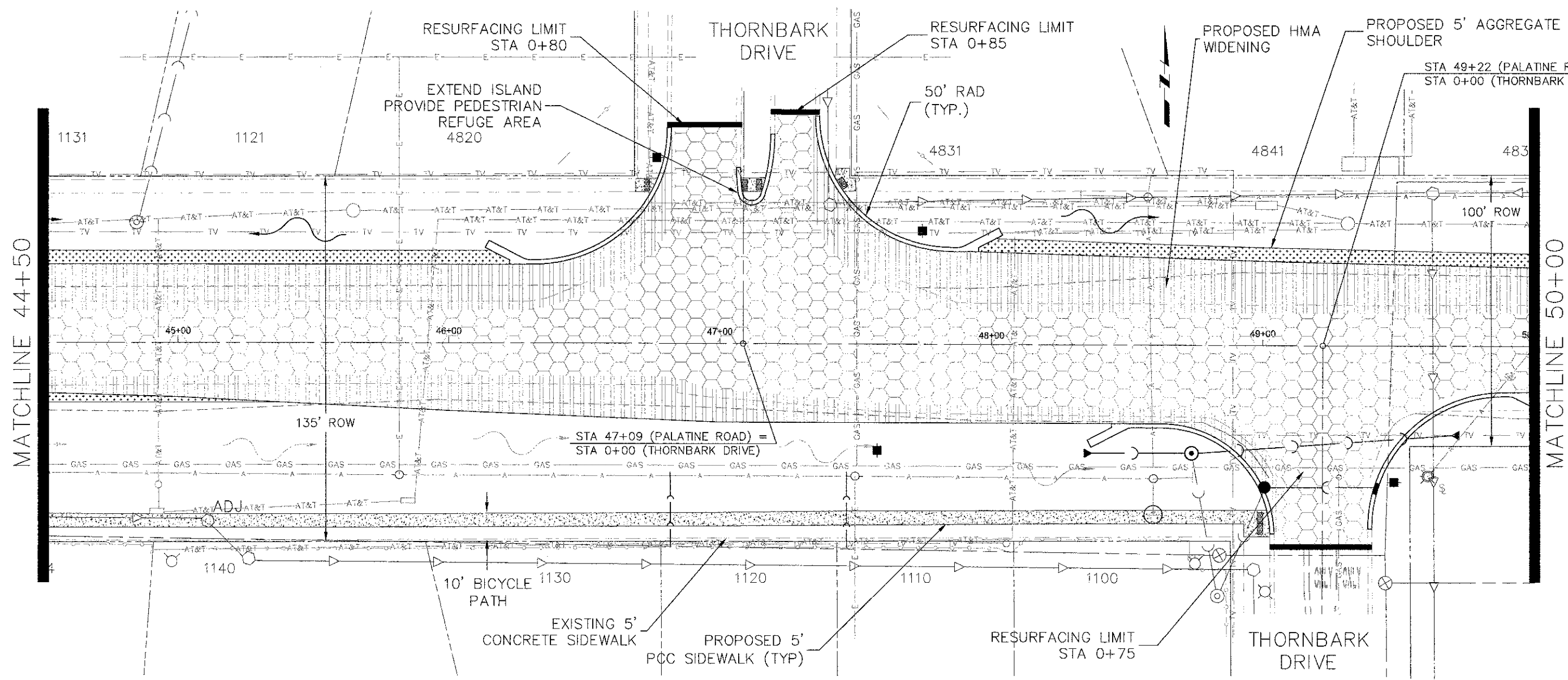
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 PLOTTED BY DATE
 NOTE BOOK NO. GRADES CHECKED
 NO. STRUCTURE NOTATION CHECKED



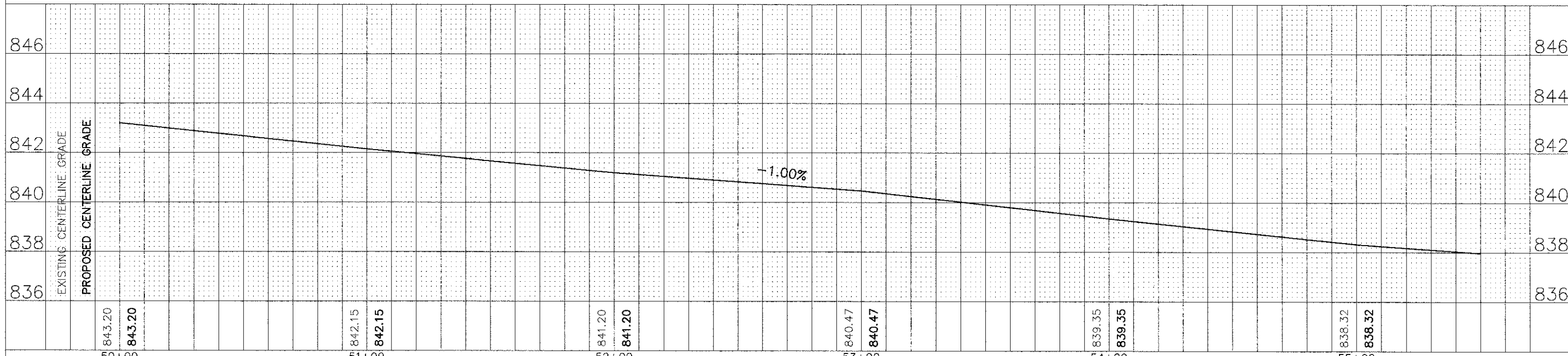
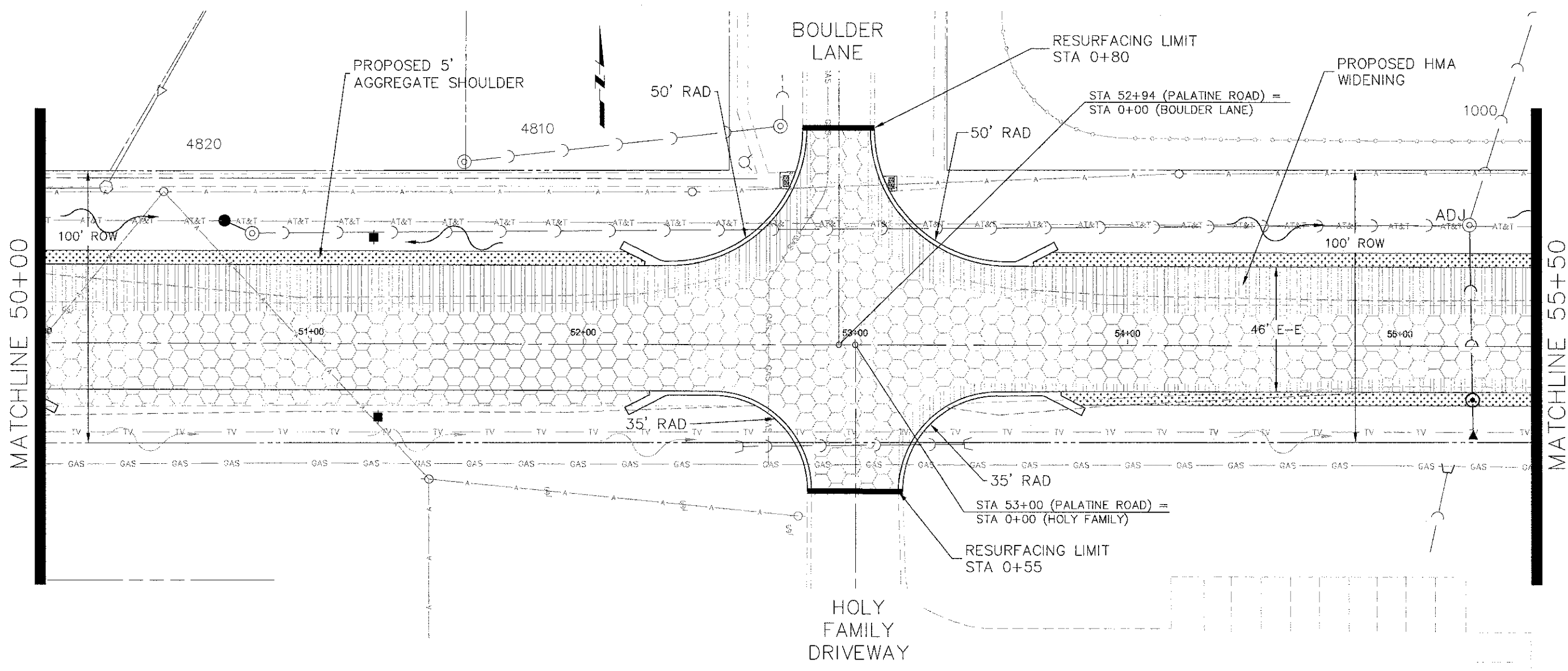
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 DATE _____
 BY _____

PROFILE
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 GRADES CHECKED
 NO. _____
 DATE _____
 BY _____



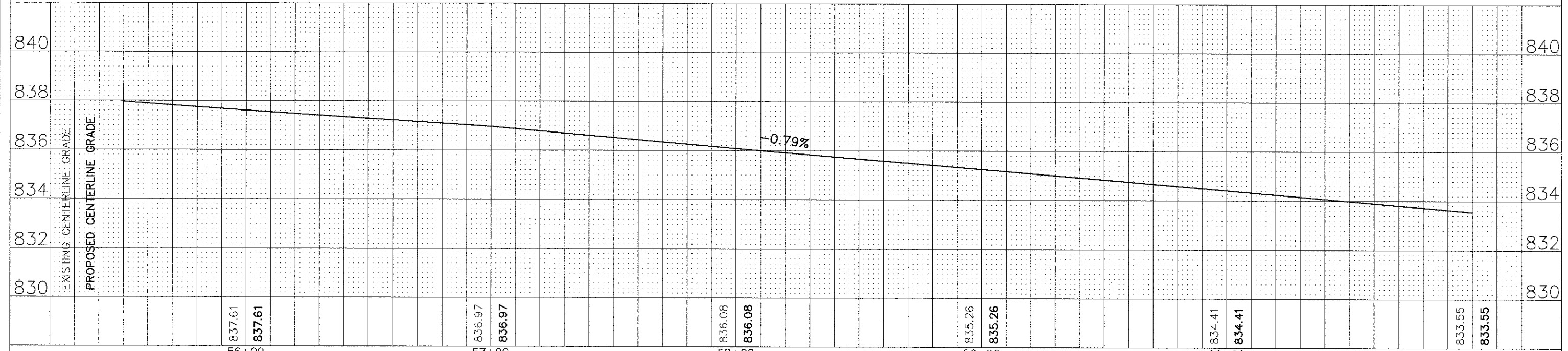
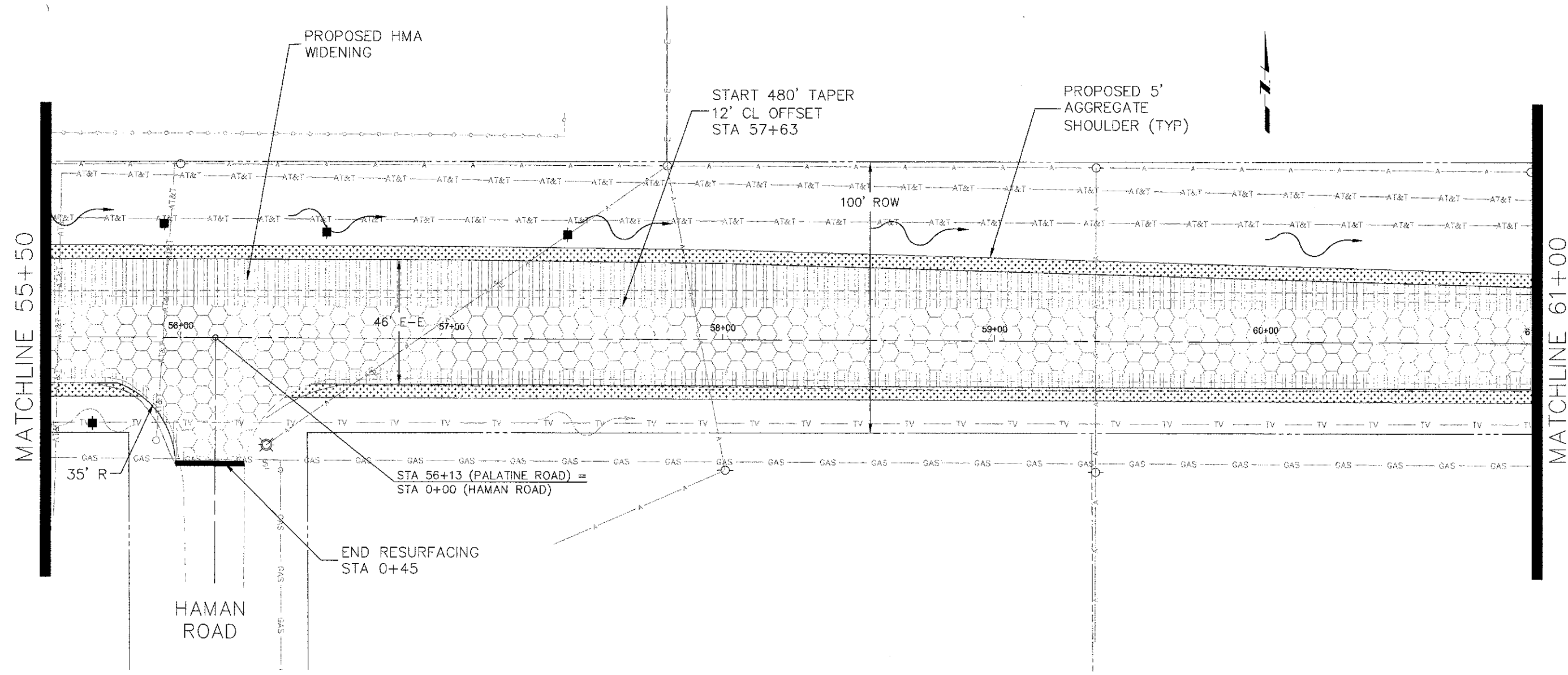
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	NOTE BOOK		
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	NO. OF WAY CHECKED		
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PROFILE	SURVEYED	DATE	BY
	NOTE BOOK		
	GRADES CHECKED		
	BY		
	NO. OF NOTES		
	NO.		



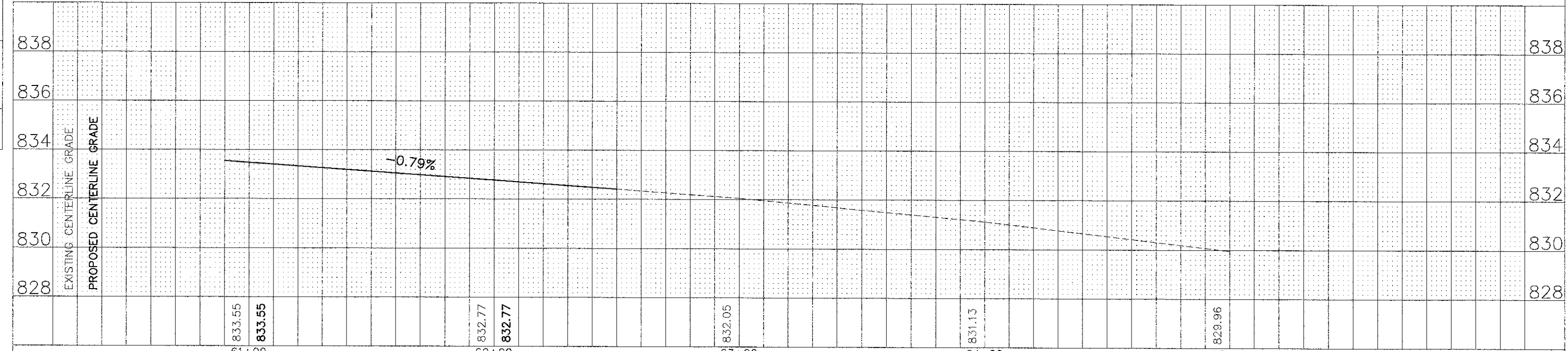
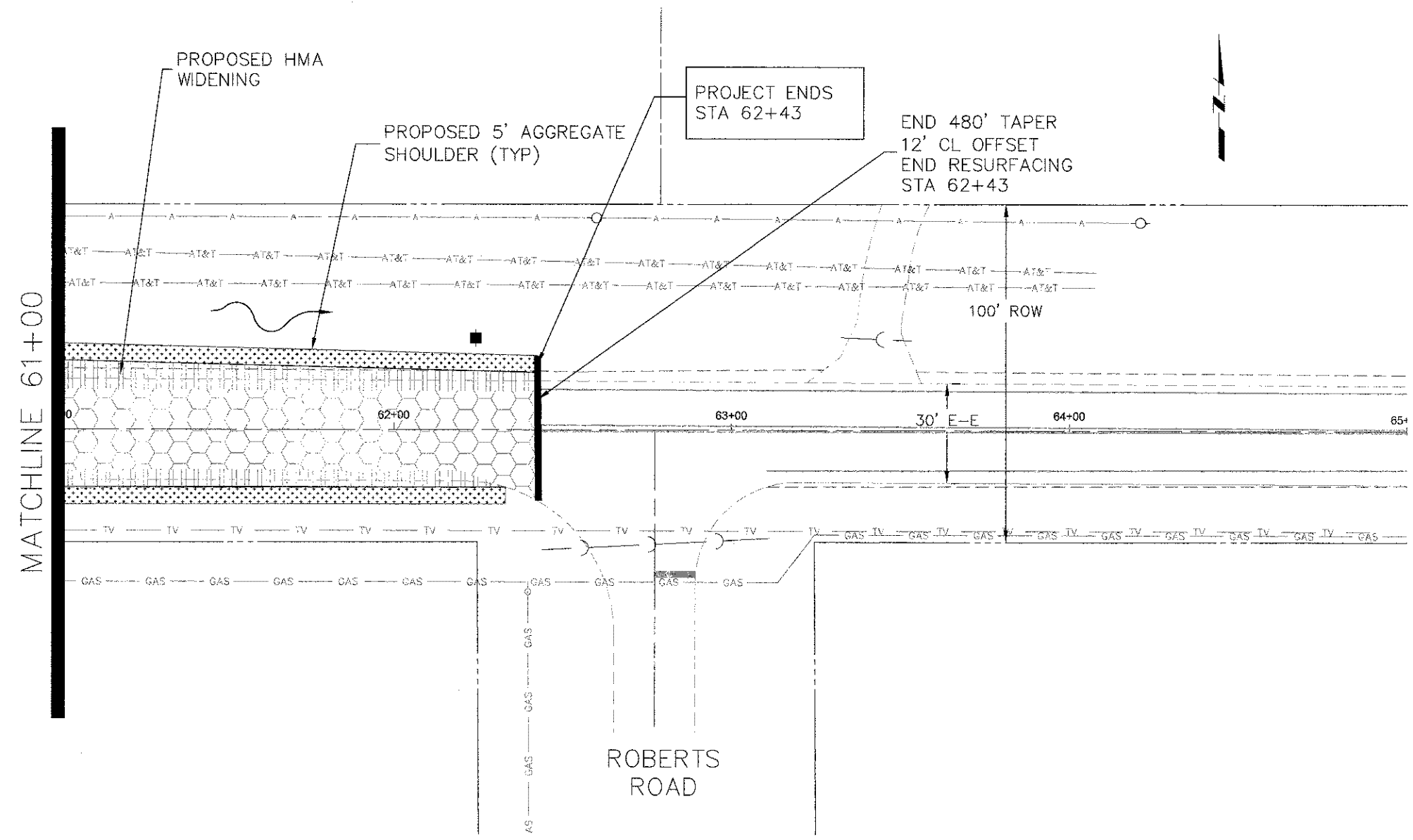
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	DRAWN	
	CHECKED	
	DATE	

PROFILE	DATE	BY



PLAN	SURVEYED	DATE
	PLOTTED	
	NOTE BOOK	
	NO.	
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	DATE	

PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTE BOOK	
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	DATE	



FILE NAME = Palatine Plan and Profile.dwg	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	Palatine Road Widening STP Project Plan and Profile	F.A.U. RTE. 1285	SECTION 09-00082-00-CH	COUNTY Cook	TOTAL SHEETS 97	SHEET NO. 36	CONTRACT NO. 63749	ILLINOIS FED. AID PROJECT CMM 9003(492)
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SCALE: 1" = 20' SHEET NO. 11 OF 11 SHEETS STA. 61+00 TO STA 65+00



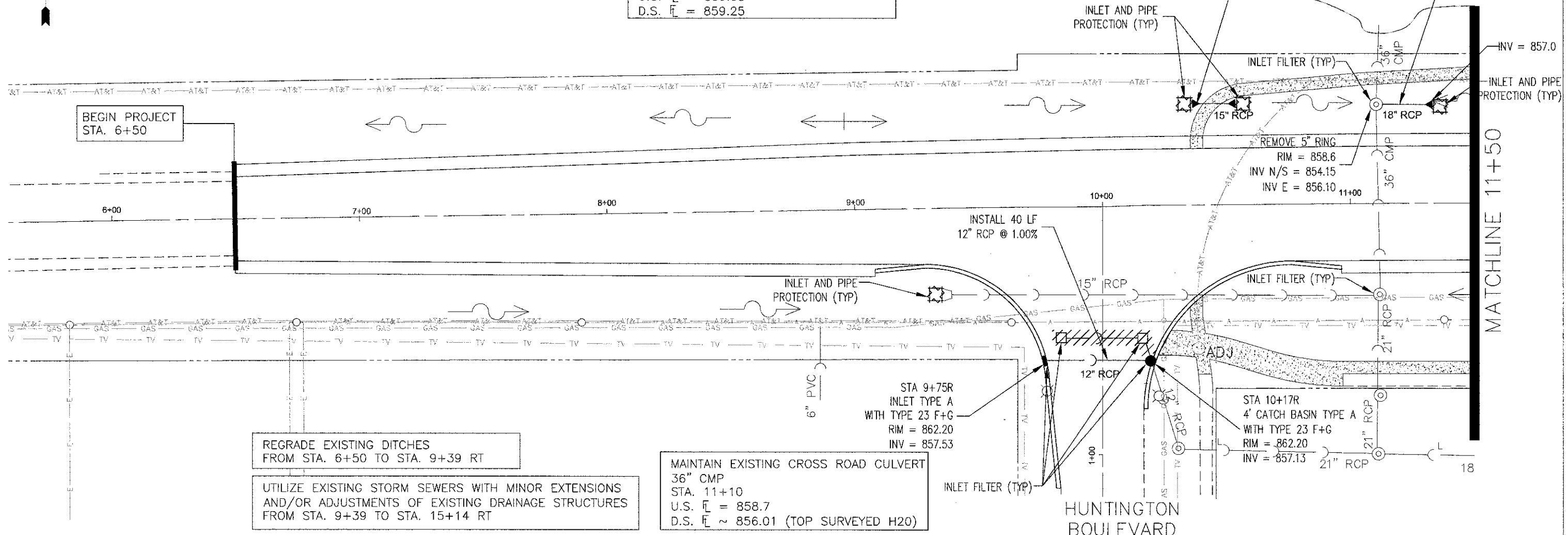
REGRADE EXISTING DITCHES
FROM STA. 6+50 TO STA. 33+30 LT

CONSTRUCT NEW ACCESS CULVERT
15" RCP
STA. 10+38, 40' LT
U.S. \bar{E} = 859.35
D.S. \bar{E} = 859.25

MAINTAIN EXISTING OUTLET #3
STA. 11+10 LT
36" CMP

INSTALL 12 LF
15" RCP
INSTALL 2
15" RCP FES

INSTALL 20 LF
18" RCP
INSTALL
18" RCP FES



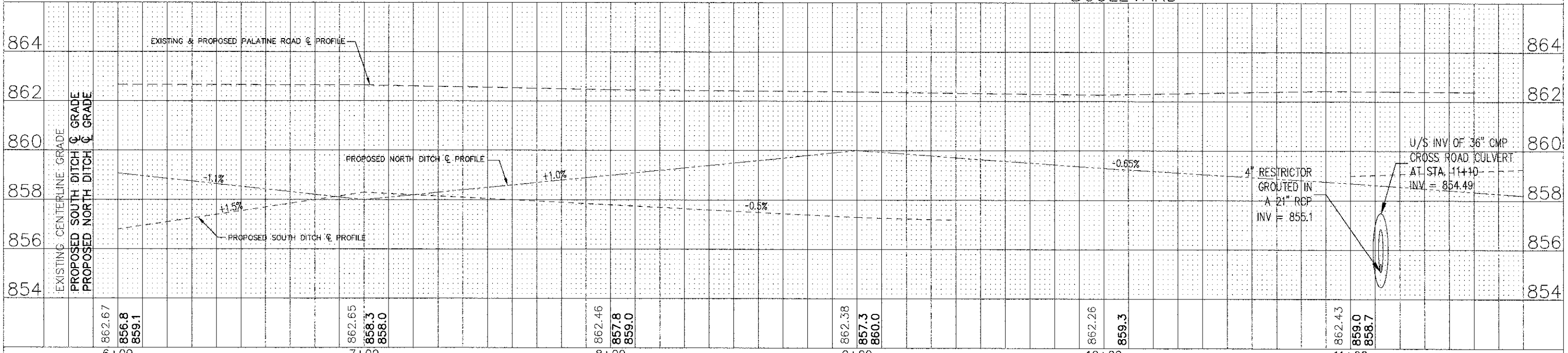
REGRADE EXISTING DITCHES
FROM STA. 6+50 TO STA. 9+39 RT

UTILIZE EXISTING STORM SEWERS WITH MINOR EXTENSIONS
AND/OR ADJUSTMENTS OF EXISTING DRAINAGE STRUCTURES
FROM STA. 9+39 TO STA. 15+14 RT

MAINTAIN EXISTING CROSS ROAD CULVERT
36" CMP
STA. 11+10
U.S. \bar{E} = 858.7
D.S. \bar{E} ~ 856.01 (TOP SURVEYED H2O)

STA 9+75R
INLET TYPE A
WITH TYPE 23 F+G
RIM = 862.20
INV = 857.53

STA 10+17R
4' CATCH BASIN TYPE A
WITH TYPE 23 F+G
RIM = 862.20
INV = 857.13



PLAN	SURVEYED	DATE	BY
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	NO.		

PROFILE	SURVEYED	DATE	BY
	NOTED		
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	NO.		

FILE NAME =
Palatine Plan and Profile.dwg

DESIGNED - NMP
DRAWN - NMP
CHECKED - CJM
DATE - 02-07-11

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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

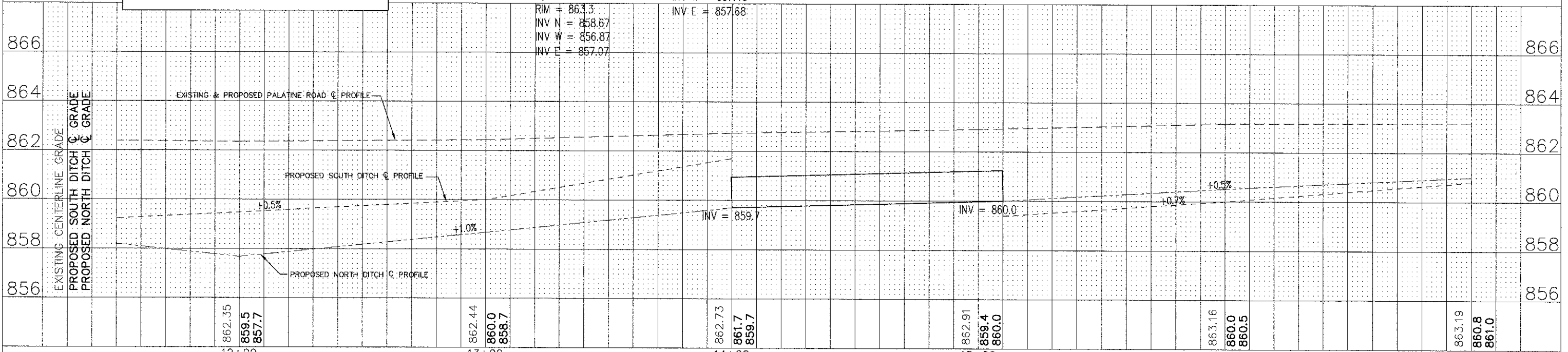
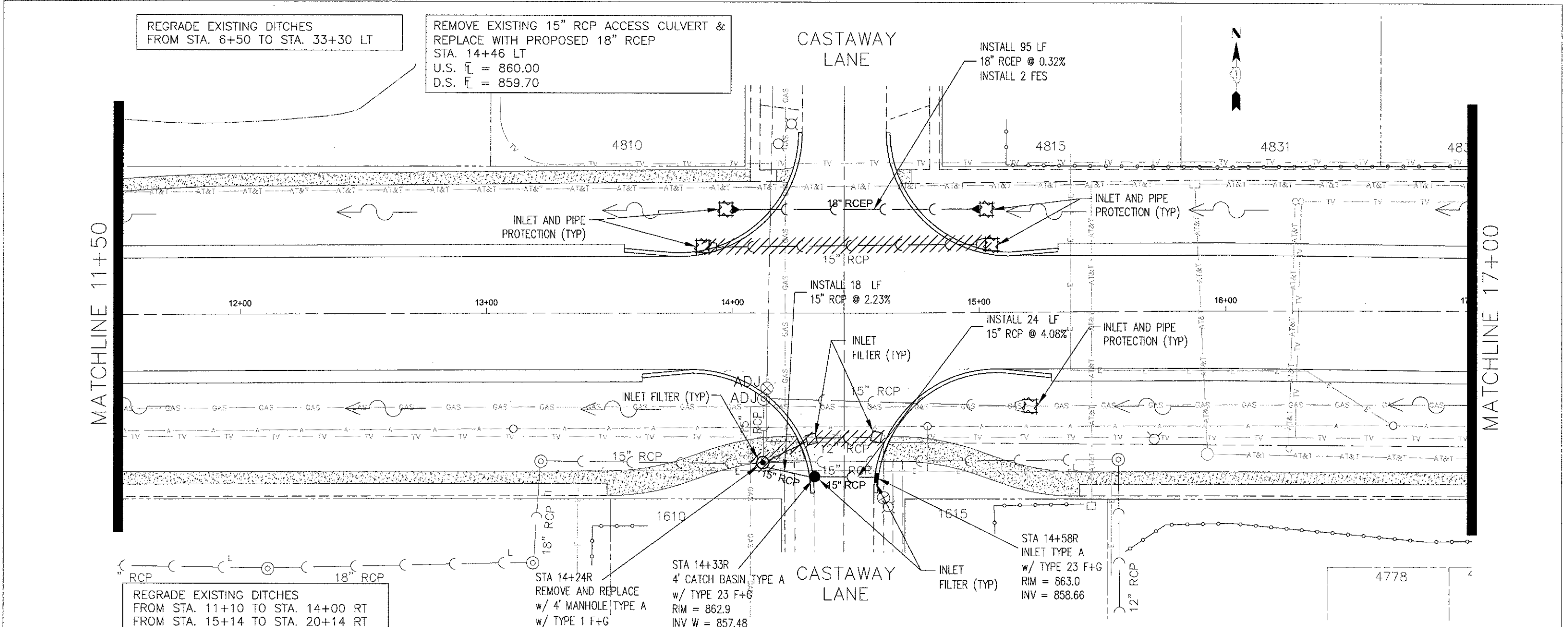
Palatine Road Widening STP Project
Drainage, Utilities, Erosion & Sediment Control Plan

SCALE: 1" = 20' SHEET NO. 1 OF 11 SHEETS STA. 6+00 TO STA 11+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	38
CONTRACT NO. 63749				
ILLINOIS FED. AID PROJECT CMM 9003(492)				

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

PROFILE	SURVEYED
	PLOTTED
	GRADES
	CHECKED
	DATE
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	NO.
	NO.
	NO.



FILE NAME = Palatine Plan and Profile.dwg	DESIGNED - NMP DRAWN - NMP CHECKED - CJM DATE - 02-07-11	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	Palatine Road Widening STP Project Drainage, Utilities, Erosion & Sediment Control Plan	F.A.U. RTE. 1285	SECTION 09-00082-00-CH	COUNTY Cook	TOTAL SHEETS 97	SHEET NO. 39	CONTRACT NO. 63749	ILLINOIS FED. AID PROJECT CMM 9003(492)
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REGRADE EXISTING DITCHES
FROM STA. 6+50 TO STA. 33+30 LT

REGRADE EXISTING DITCHES
FROM STA. 15+14 TO STA. 20+14 RT
FROM STA. 21+43 TO STA. 33+15 RT

MAINTAIN EXISTING OUTLET #4
STA. 21+35 RT
27" RCP

MINOR REGRADE AREA
TO BE DETERMINED IN THE
FIELD BY THE ENGINEER

INLET FILTER (TYP)

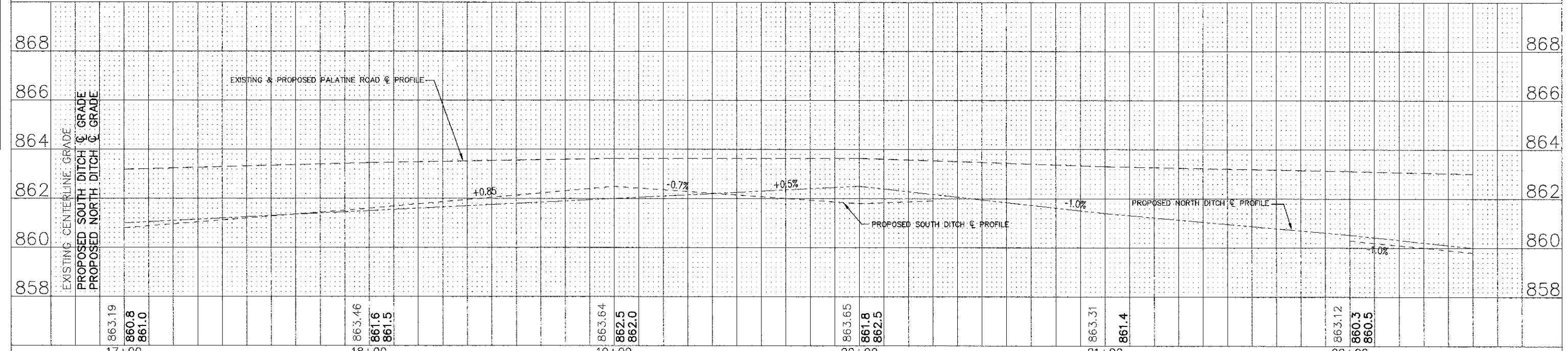
BURNHAM
DRIVE

PLAN	SURVEYED	DATE
	NOTE BOOK	
	ALIGNMENT CHECKED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	
	BY	
	NO.	

MATCHLINE 17+00

MATCHLINE 22+50

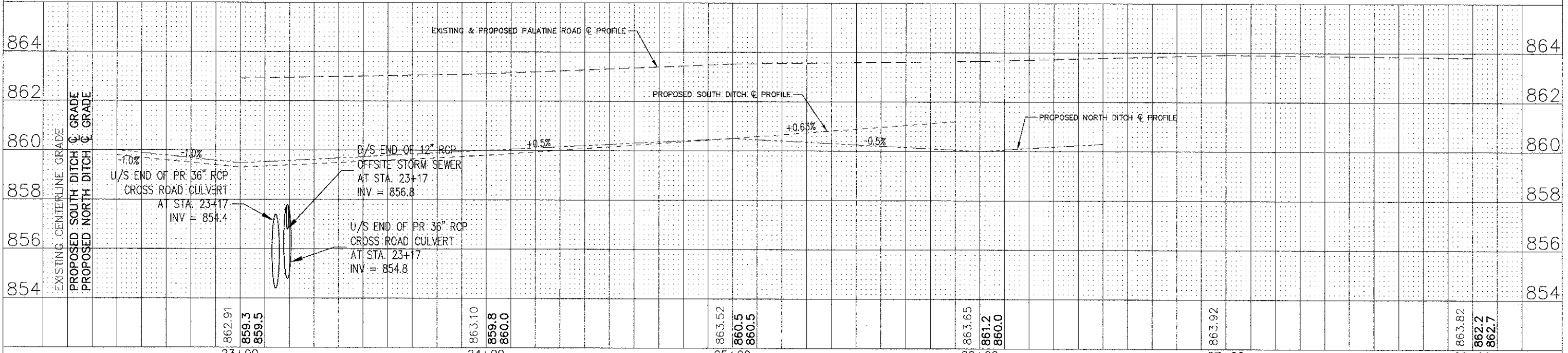
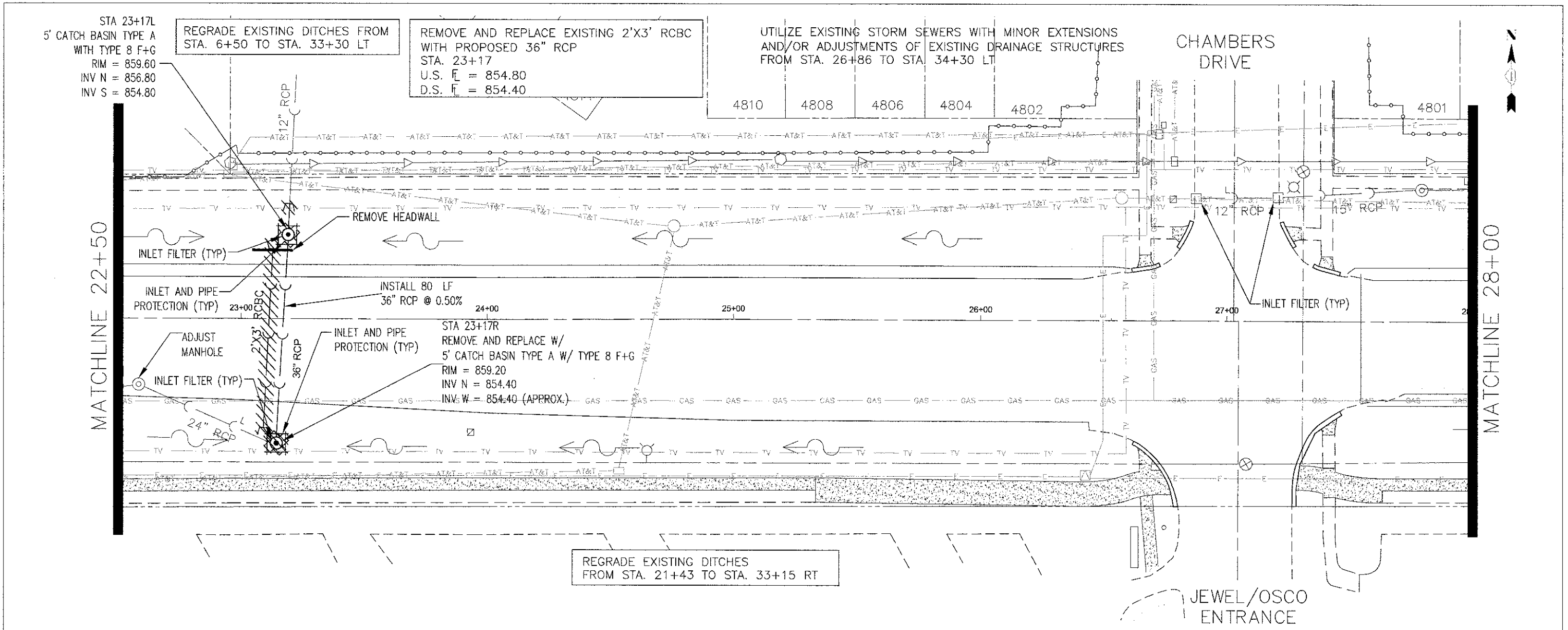


FILE NAME - Palatine Plan and Profile.dwg	DESIGNED - NMP DRAWN - NMP CHECKED - CJM DATE - 02-07-11	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	Palatine Road Widening STP Project Drainage, Utilities, Erosion & Sediment Control Plan	F.A.U. RTE. 1255 SECTION 09-00082-00-CH COUNTY Cook TOTAL SHEETS 97 SHEET NO. 40 CONTRACT NO. 63749 ILLINOIS FED. AID PROJECT CMM 9003(492)
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SCALE: 1" = 20' SHEET NO. 3 OF 11 SHEETS STA. 17+00 TO STA 22+50

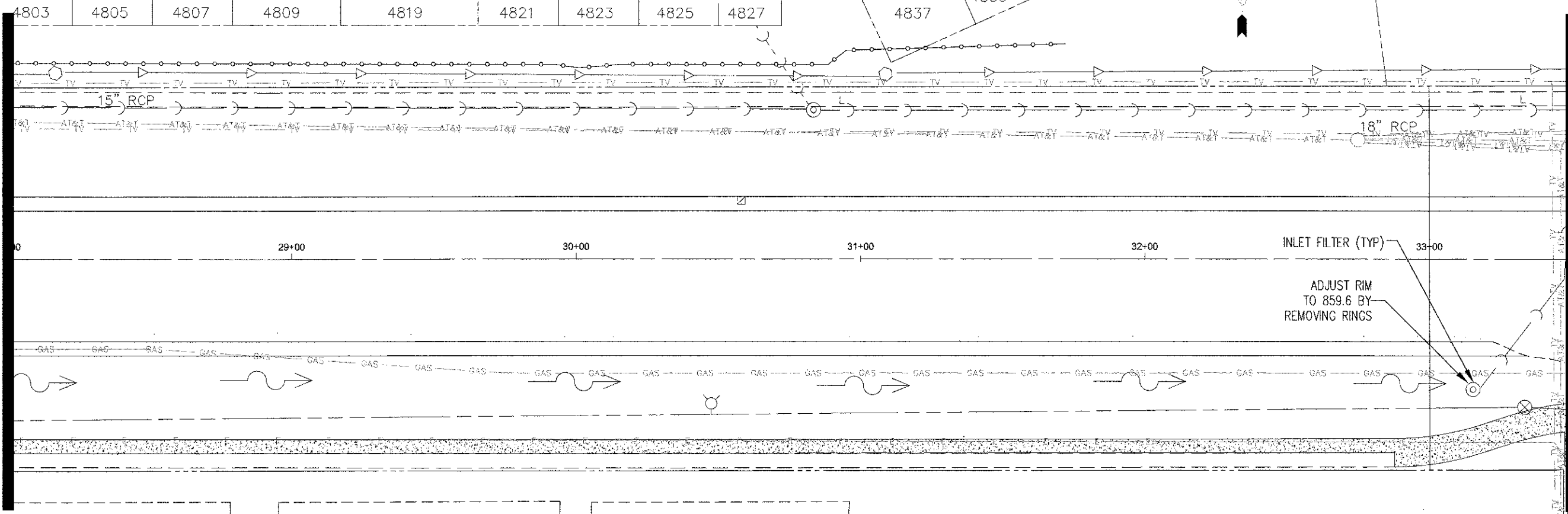
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	FORCED		
	NOTE BOOK		
	NO. OF WAY CHECKED		
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FILE NAME = Palatine Plan and Profile.dwg	DESIGNED - NMP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION Palatine Road Widening STP Project Drainage, Utilities, Erosion & Sediment Control Plan SCALE: 1" = 20' SHEET NO. 4 OF 11 SHEETS STA. 22+50 TO STA 28+00	F.A.U. RTE. 1285	SECTION 09-00082-00-CH	COUNTY Cook	TOTAL SHEETS 97	SHEET NO. 41
	DRAWN - NMP	REVISED -		CONTRACT NO. 63749				
	CHECKED - CJM	REVISED -		ILLINOIS FED. AID PROJECT CMM 9003(492)				
	DATE - 02-07-11	REVISED -						

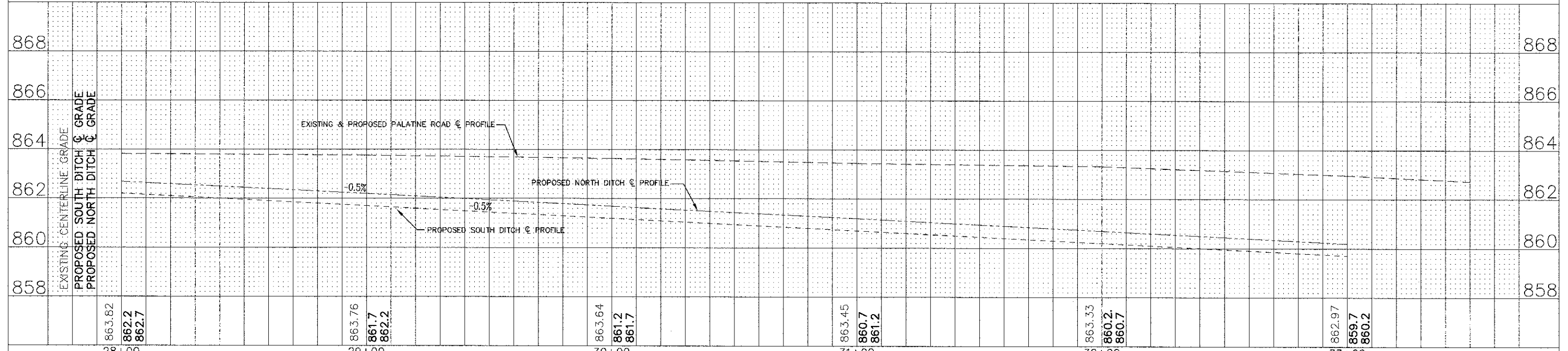
REGRADE EXISTING DITCHES
FROM STA. 6+50 TO STA. 33+30 LT



REGRADE EXISTING DITCHES
FROM STA. 21+43 TO STA. 33+15 RT

PLAN	DESIGNED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO. _____	
	DATE _____	

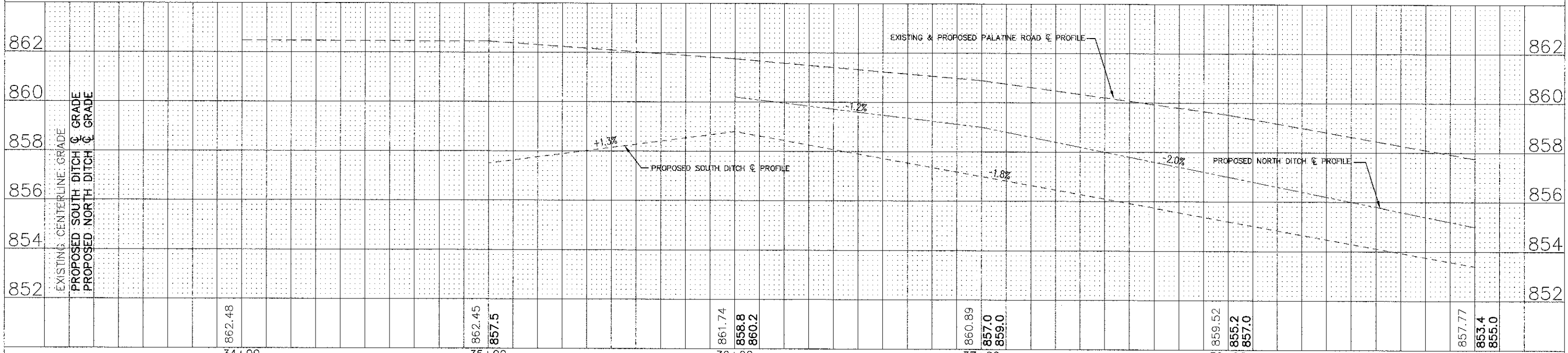
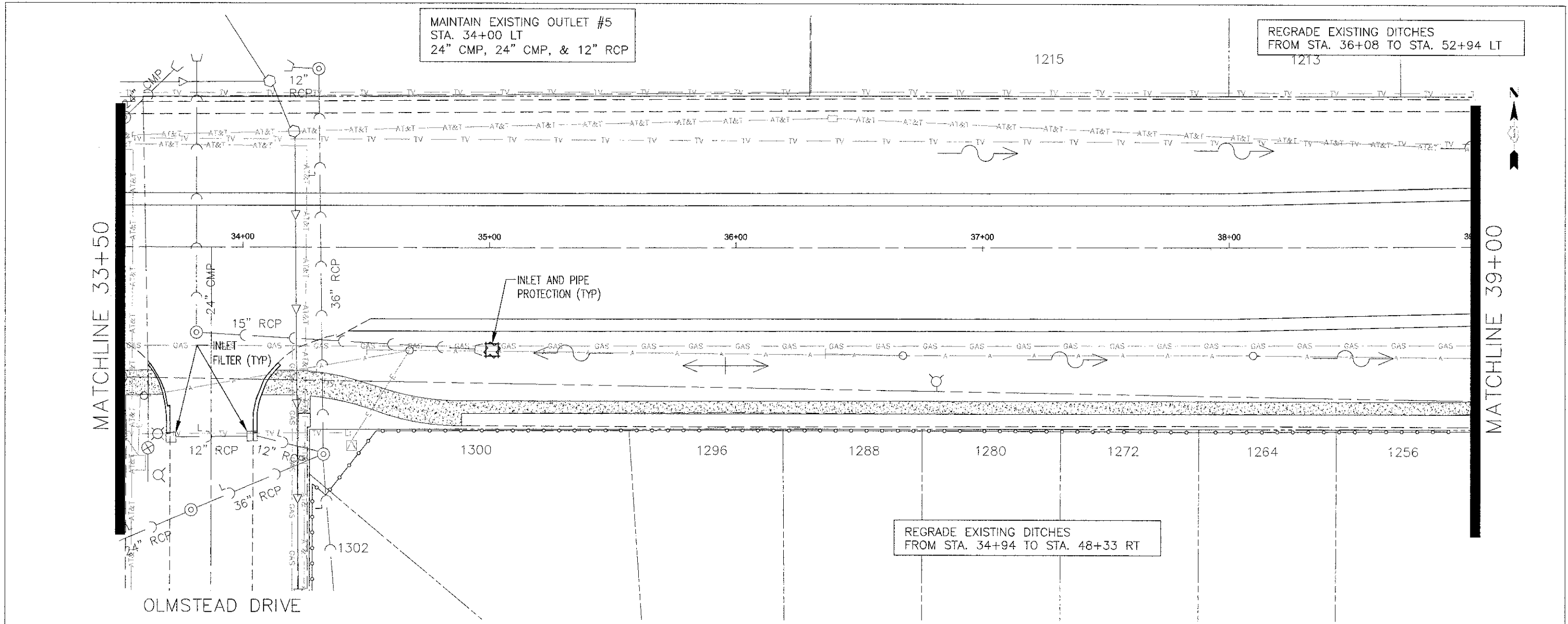
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	PLOTTED	BY
	GRADES CHECKED	
	NOTE BOOK	
	NO. _____	
	DATE _____	



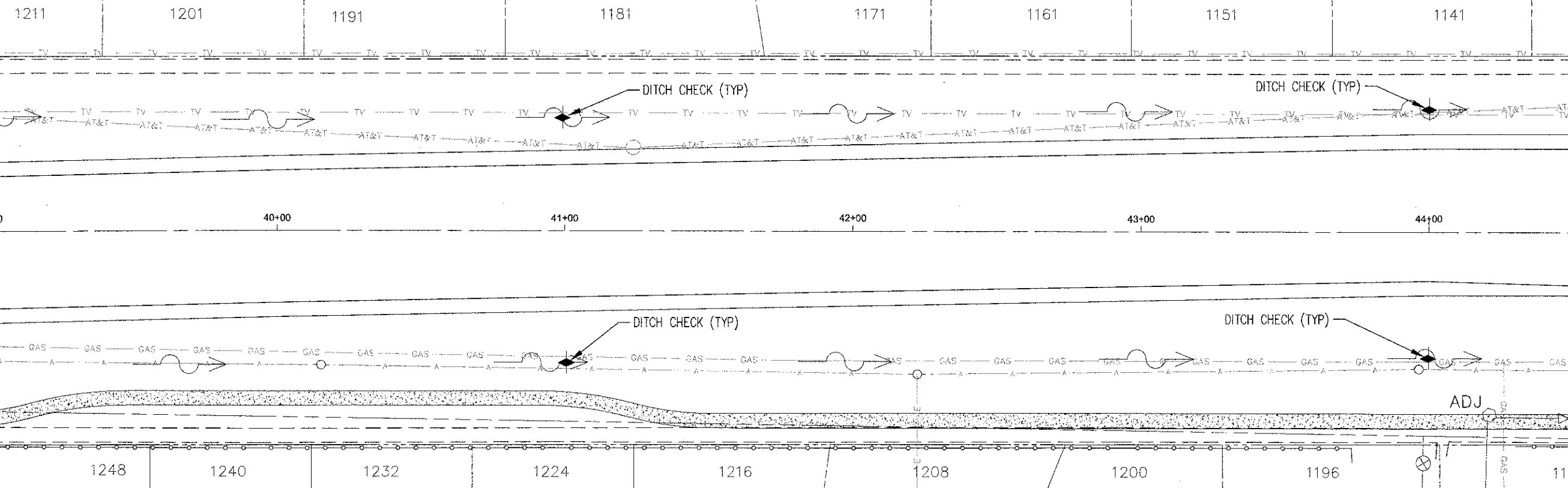
FILE NAME = Palatine Plan and Profile.dwg	DESIGNED - NMP	REVISÉ -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	Palatine Road Widening STP Project		F.A.U. RTE. 1285	SECTION 09-00082-00-CH	COUNTY Cook	TOTAL SHEETS 97	SHEET NO. 42
	DRAWN - NMP	REVISÉ -		SCALE: 1" = 20'	SHEET NO. 5 OF 11 SHEETS	STA. 28+00 TO STA 33+50	CONTRACT NO. 63749		ILLINOIS FED. AID PROJECT CMM 9003(492)	
	CHECKED - CJM	REVISÉ -								
	DATE - 02-07-11	REVISÉ -								

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 CHECKED BY: []
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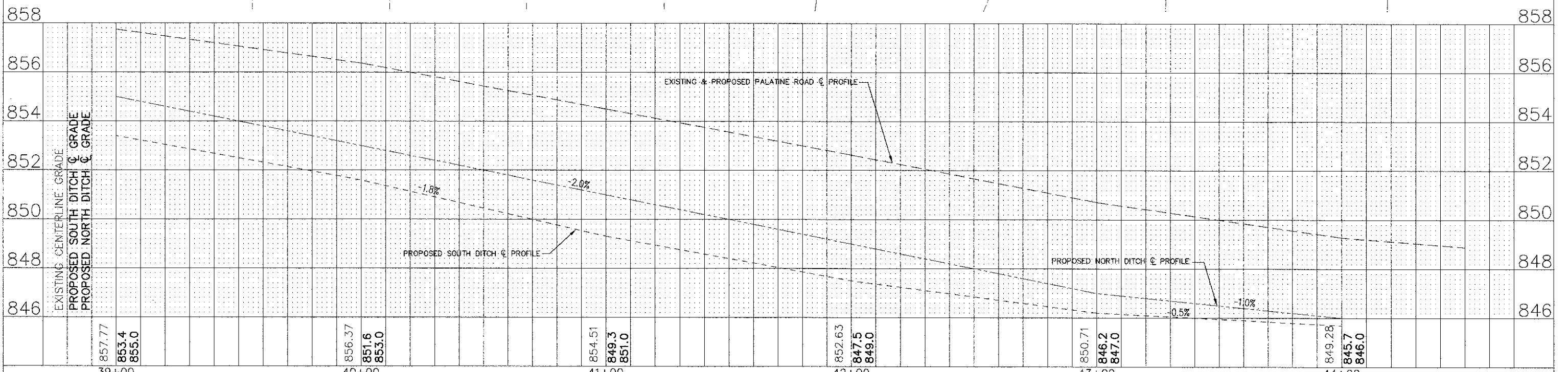
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 PLOTTED BY: []
 NOTE BOOK NO.: []
 CHECKED BY: []
 DATE: []



REGRADE EXISTING DITCHES
FROM STA. 36+08 TO STA. 52+94 LT



REGRADE EXISTING DITCHES
FROM STA. 34+94 TO STA. 48+33 RT



PLAN	SURVEYED	DATE
	ALIGNMENT CHECKED	
	NOTE BOOK NO.	
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PROFILE	SURVEYED	DATE
	GRADES CHECKED	
	NOTE BOOK NO.	
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FILE NAME -
Palatine Plan and Profile.dwg

DESIGNED - NMP	REVISED -
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CHECKED - CJM	REVISED -
DATE - 02-07-11	REVISED -

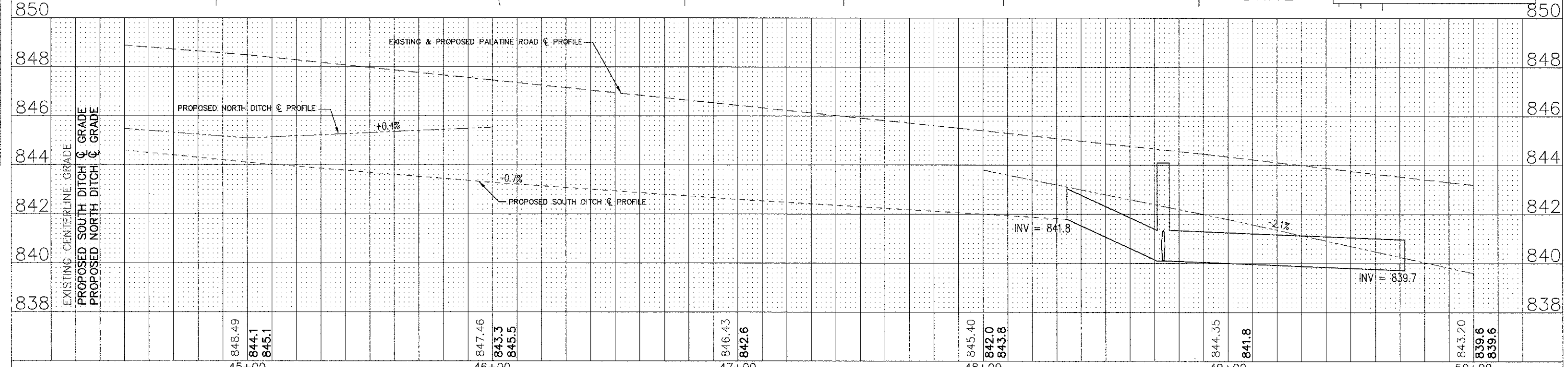
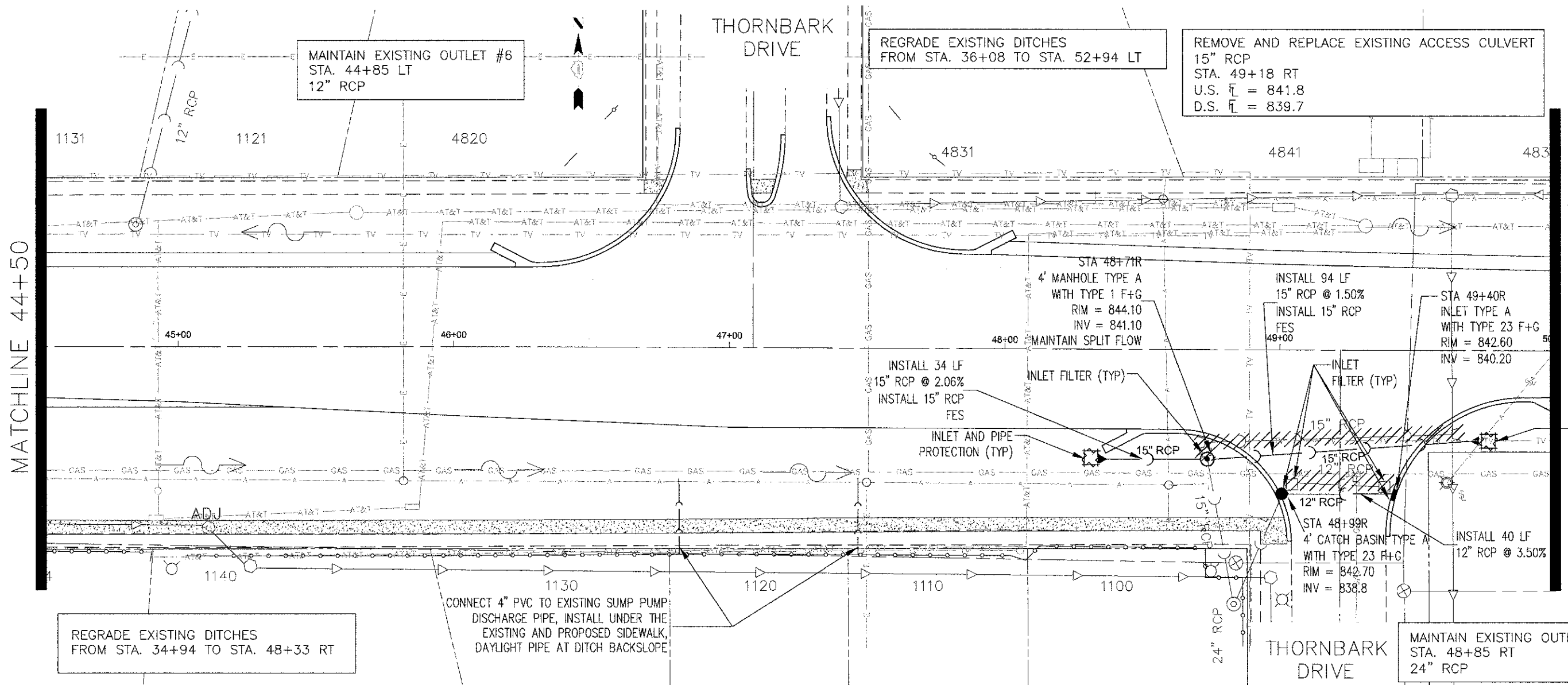
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Palatine Road Widening STP Project
Drainage, Utilities, Erosion & Sediment Control Plan
SCALE: 1" = 20' SHEET NO. 7 OF 11 SHEETS STA. 39+00 TO STA 44+50

F.A.U.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	44
CONTRACT NO. 63749			ILLINOIS FED. AID PROJECT CMM 9003(492)	

PLAN	SURVEYED	DATE
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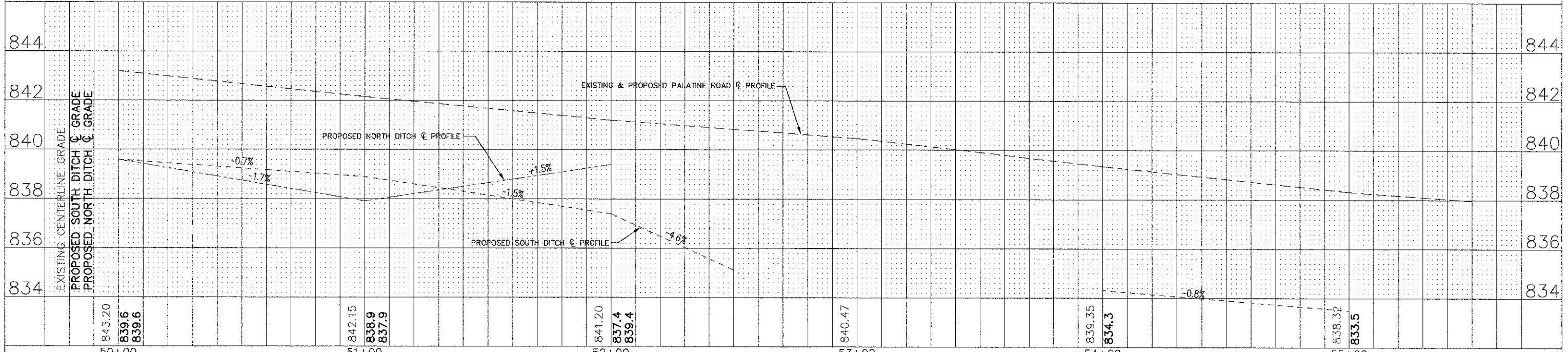
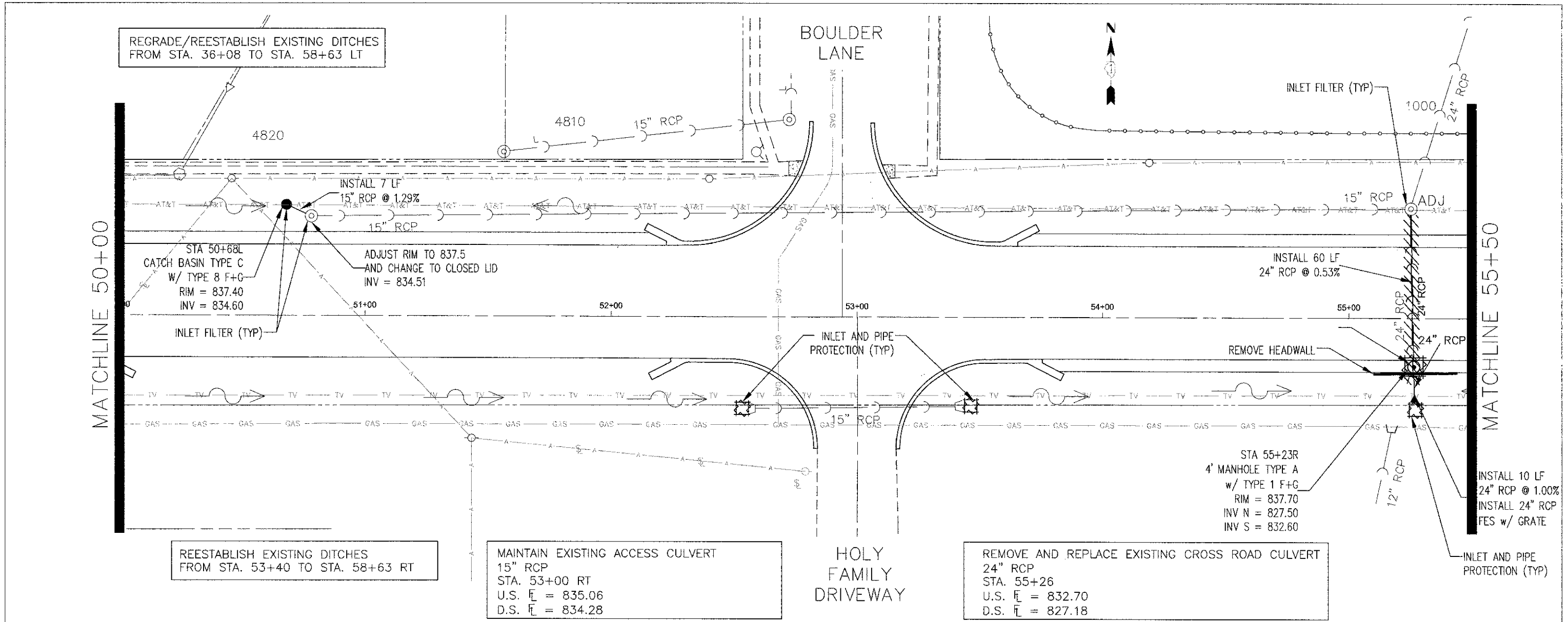
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FILE NAME - Palatine Plan and Profile.dwg	DESIGNED - NMP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	Palatine Road Widening STP Project Drainage, Utilities, Erosion & Sediment Control Plan		F.A.U. RTE. 1285	SECTION 09-00082-00-CH	COUNTY Cook	TOTAL SHEETS 97	SHEET NO. 45
	DRAWN - NMP	REVISED -		SCALE: 1" = 20'	SHEET NO. 8 OF 11 SHEETS	STA. 44+50 TO STA 50+00	CONTRACT NO. 63749		ILLINOIS FED. AID PROJECT CMM 9003(492)	
	CHECKED - CJM	REVISED -								
	DATE - 02-07-11	REVISED -								

PLAN	DESIGNED	DATE
	DRAWN	
	CHECKED	
	NO. OF SHEETS	
	NO. OF SHEETS CHECKED	
	NO. OF SHEETS NOT CHECKED	

PROFILE	DESIGNED	DATE
	DRAWN	
	CHECKED	
	NO. OF SHEETS	
	NO. OF SHEETS CHECKED	
	NO. OF SHEETS NOT CHECKED	



FILE NAME = Palatine Plan and Profile.dwg	DESIGNED - NMP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	Palatine Road Widening STP Project Drainage, Utilities, Erosion & Sediment Control Plan		F.A.U. RTE. 1285	SECTION 09-00082-00-CH	COUNTY Cook	TOTAL SHEET SHEETS, NO. 97 / 46
	DRAWN - NMP	REVISED -		SCALE: 1" = 20'	SHEET NO. 9 OF 11 SHEETS	STA. 50+00 TO STA 55+00	CONTRACT NO. 63749		
	CHECKED - CJM	REVISED -		ILLINOIS FED. AID PROJECT CMM 9003(492)					
	DATE - 02-07-11	REVISED -							

PLAN
 SURVEYED BY: _____
 DATE: _____
 NOTE BOOK NO.: _____
 ALIGNED CHECKED BY: _____
 ST. OF WAY CHECKED BY: _____
 PROFILE NAME: _____

PROFILE
 SURVEYED BY: _____
 DATE: _____
 NOTE BOOK NO.: _____
 STRUCTURE NOTATION CHNO: _____

MAINTAIN EXISTING OUTLET #8
 STA. 55+50 LT
 24" RCP

REGRADE/REESTABLISH EXISTING DITCHES
 FROM STA. 58+63 TO STA. 61+55 LT



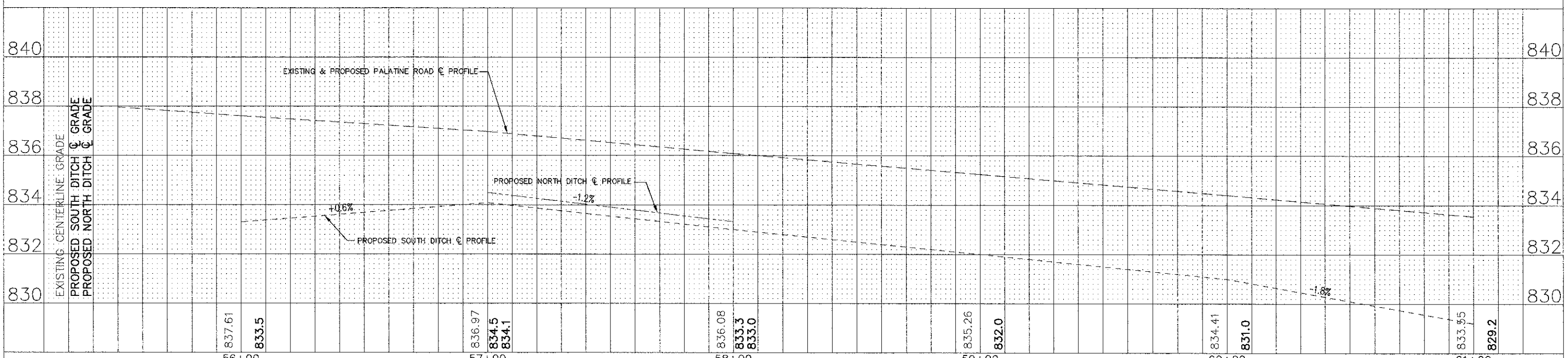
MATCHLINE 55+50

MATCHLINE 61+00

HAMAN ROAD

REESTABLISH EXISTING DITCHES
 FROM STA. 53+40 TO STA. 58+63 RT

MAINTAIN EXISTING OUTLET #10
 STA. 58+63 RT
 DITCH FLOW



FILE NAME =
 Palatine Plan and Profile.dwg

DESIGNED - NMP	REVISED -
DRAWN - NMP	REVISED -
CHECKED - CJM	REVISED -
DATE - 02-07-11	REVISED -

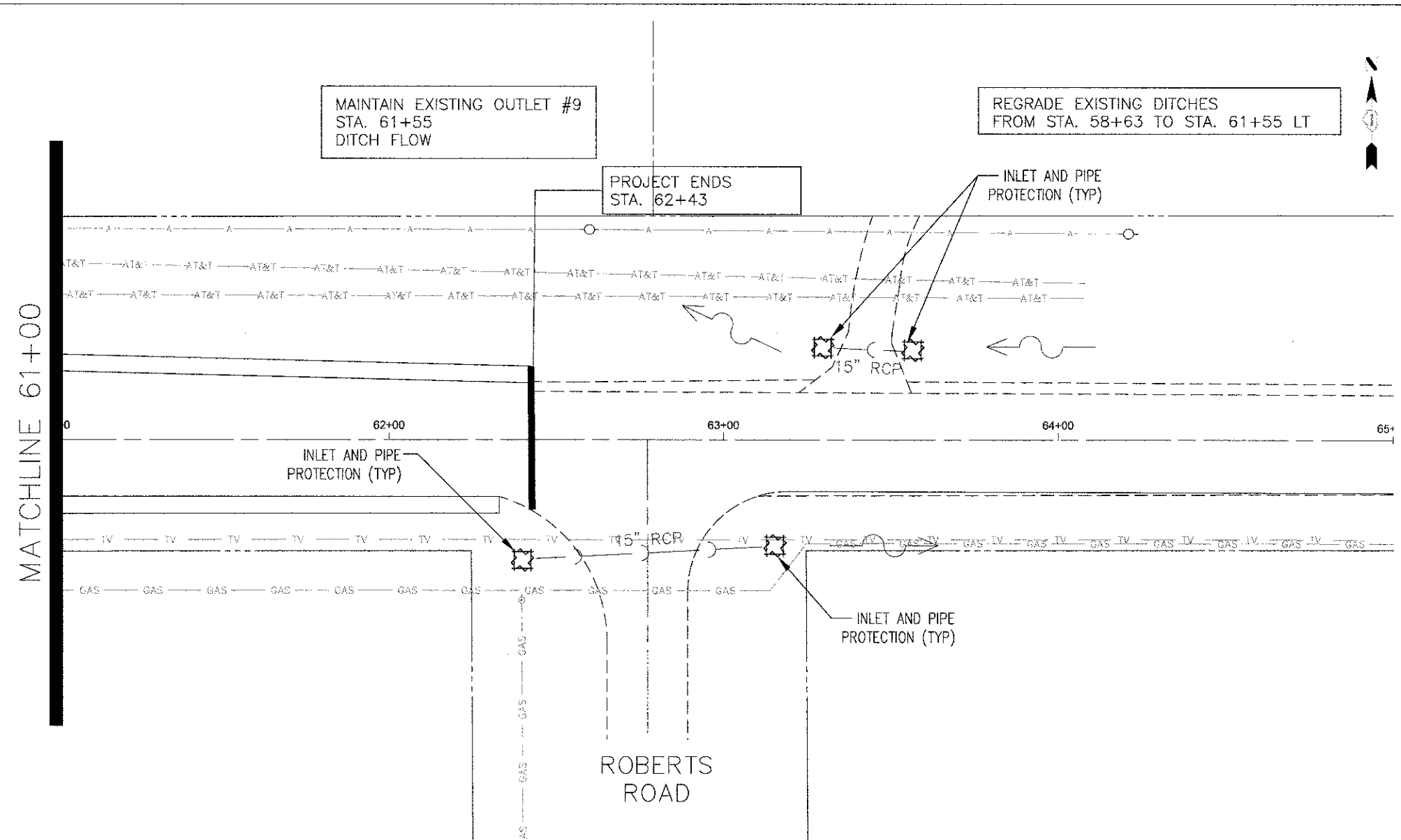
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Palatine Road Widening STP Project
 Drainage, Utilities, Erosion & Sediment Control Plan
 SCALE: 1" = 20' SHEET NO. 10 OF 11 SHEETS STA. 55+50 TO STA 61+00

F.A.U. RTE. 1285	SECTION 09-00082-00-CH	COUNTY Cook	TOTAL SHEETS 97	SHEET NO. 47
CONTRACT NO. 63749				
ILLINOIS FED. AID PROJECT CMM 9003(492)				

PLAN SURVEYED, PLOTTED, CHECKED, NOTE BOOK NO., DATE OF WAY CHECKED, ENGINEER NAME

PROFILE SURVEYED, PLOTTED, CHECKED, NOTE BOOK NO., DATE OF STRUCTURE NOTATION CHG, BY, DATE



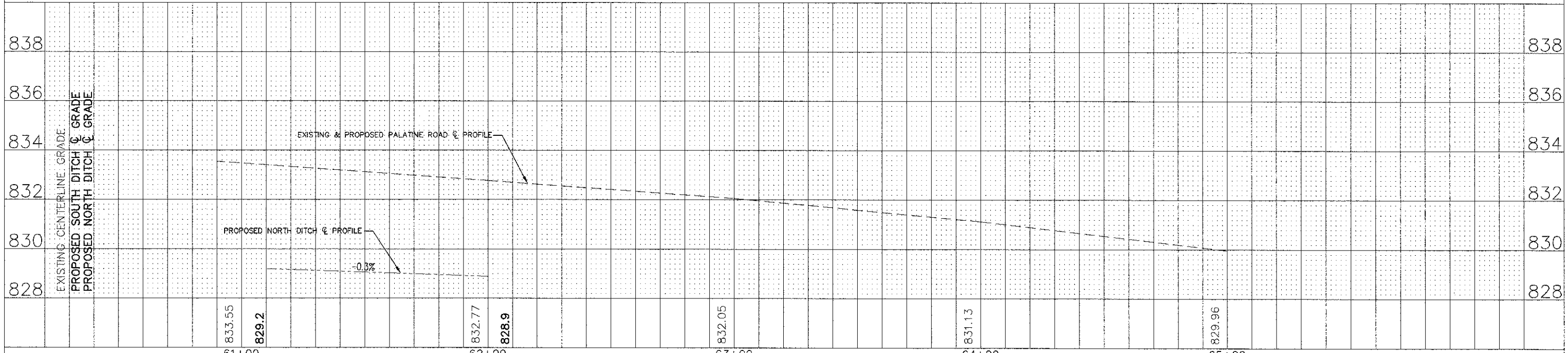
MAINTAIN EXISTING OUTLET #9
STA. 61+55
DITCH FLOW

REGRADE EXISTING DITCHES
FROM STA. 58+63 TO STA. 61+55 LT

PROJECT ENDS
STA. 62+43

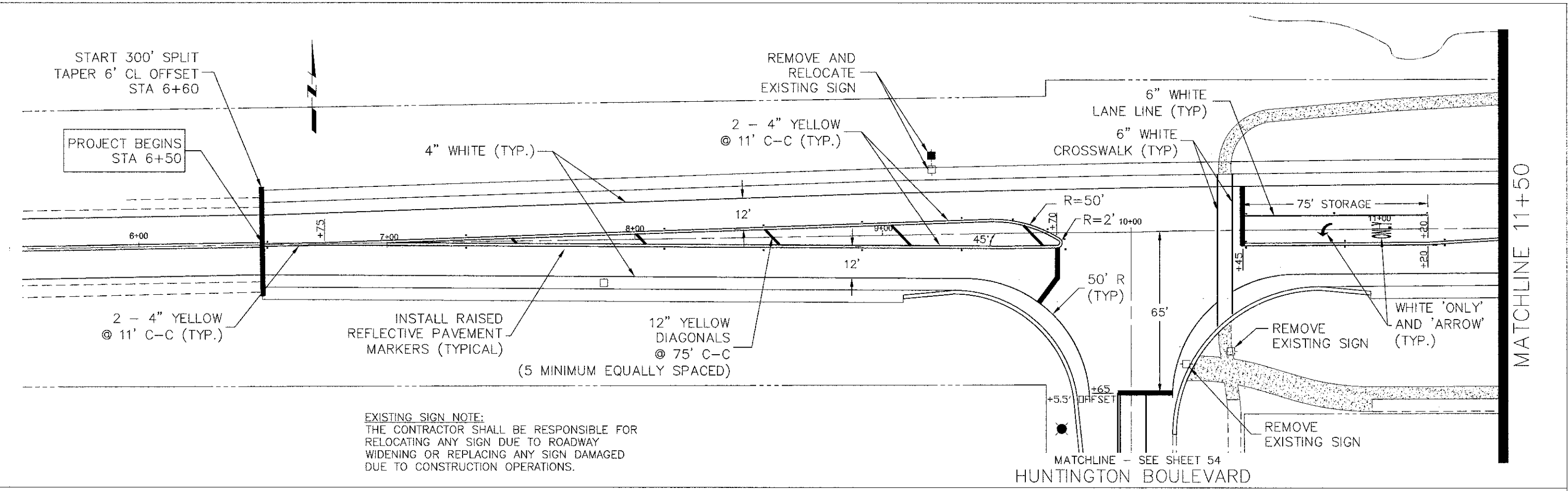
MATCHLINE 61+00

ROBERTS ROAD

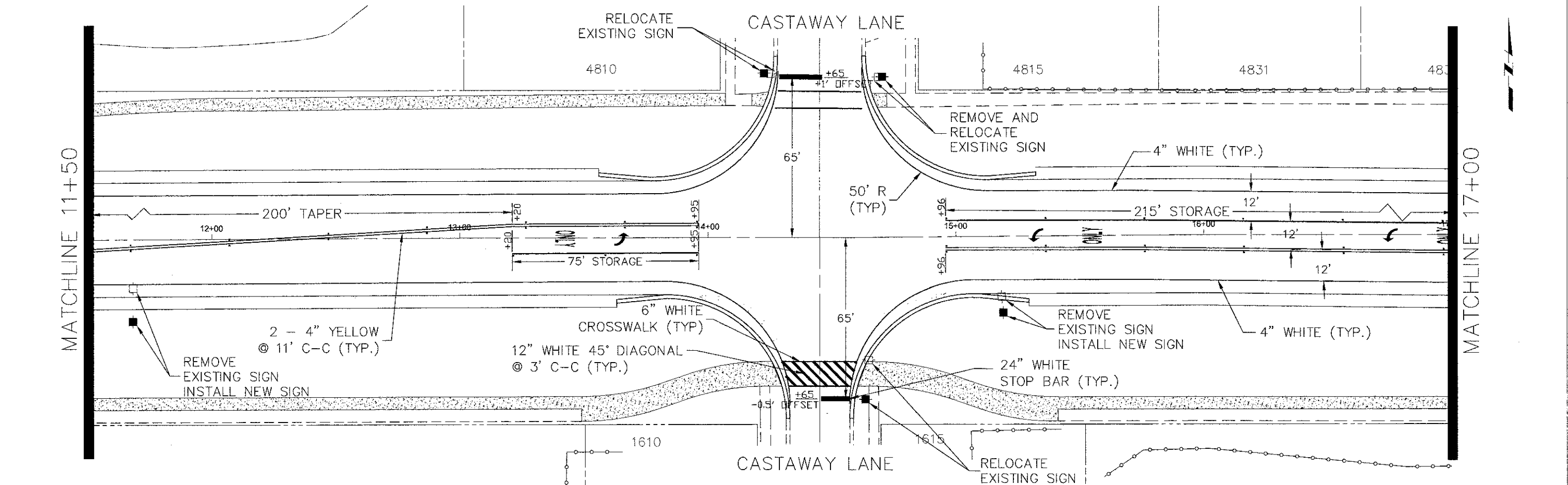


PLAN
 SURVEYED
 PLOTTED
 NOTE BOOK
 NO.

PROFILE
 SURVEYED
 PLOTTED
 NOTE BOOK
 NO.



EXISTING SIGN NOTE:
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR
 RELOCATING ANY SIGN DUE TO ROADWAY
 WIDENING OR REPLACING ANY SIGN DAMAGED
 DUE TO CONSTRUCTION OPERATIONS.



FILE NAME -
 Palatine Plan and Profile NEW.dwg

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

Palatine Road Widening STP Project
 Striping and Signage Plan

SCALE: 1" = 20' SHEET NO. 1 OF 6 SHEETS STA. 6+00 TO STA 17+00

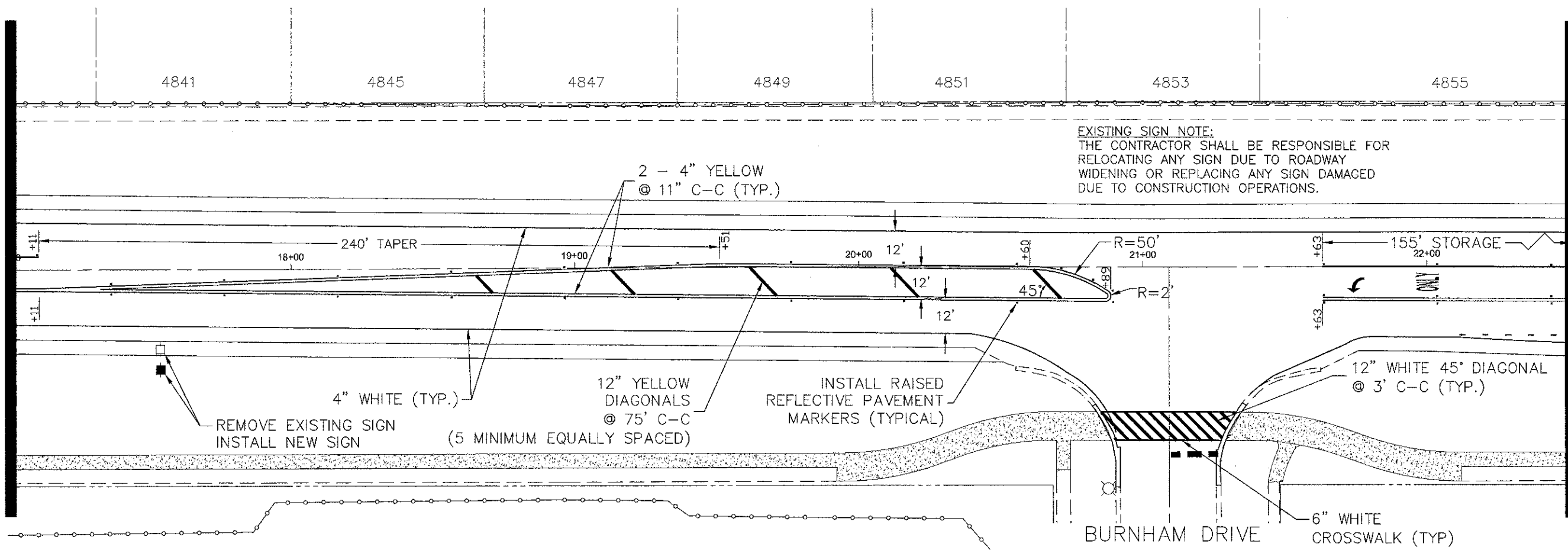
F.A.U. RTE. 1285	SECTION 09-00082-00-CH	COUNTY Cook	TOTAL SHEETS 97	SHEET NO. 48
CONTRACT NO. 63749			ILLINOIS FED. AID PROJECT CMM 9003(492)	

PLAN	SURVEYED	DATE	BY
	PLOTTED		
	GRADED		
	CHECKED		
	NOTED		
	NO.		

PROFILE	SURVEYED	DATE	BY
	PLOTTED		
	GRADED		
	CHECKED		
	NOTED		
	NO.		

MATCHLINE 17+00

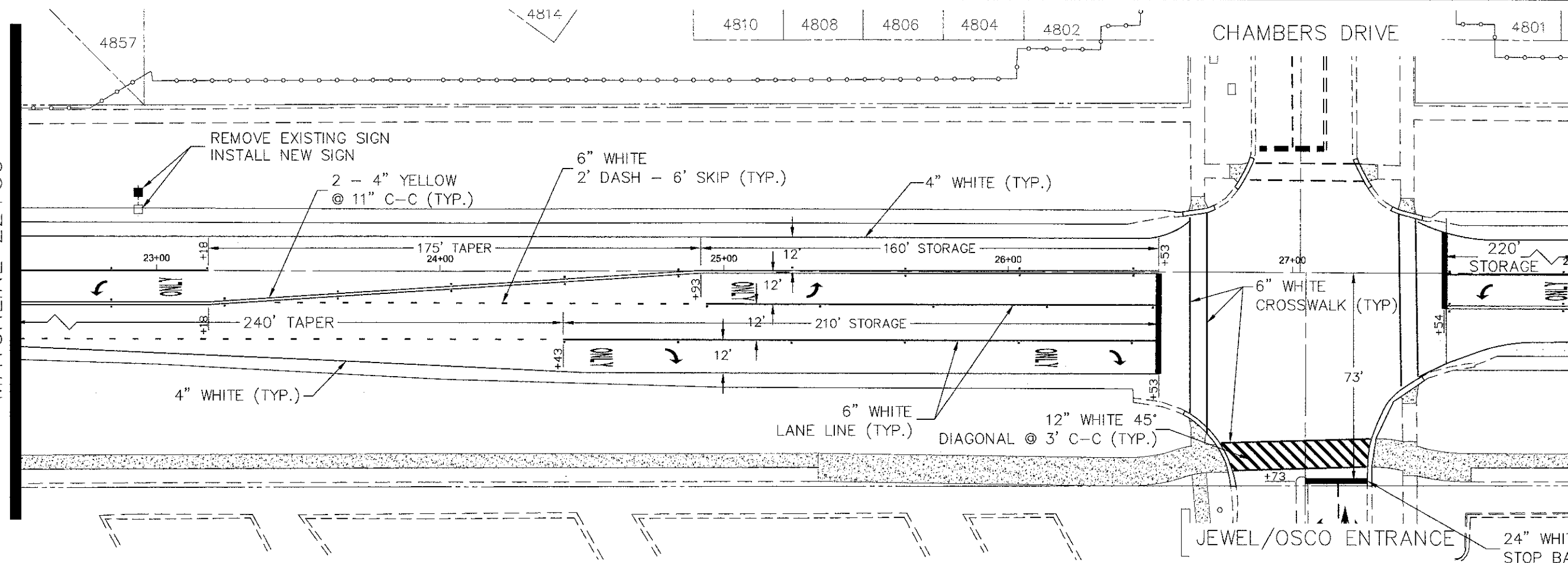
MATCHLINE 22+50



EXISTING SIGN NOTE:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR
RELOCATING ANY SIGN DUE TO ROADWAY
WIDENING OR REPLACING ANY SIGN DAMAGED
DUE TO CONSTRUCTION OPERATIONS.

MATCHLINE 22+50

MATCHLINE 28+00



FILE NAME =
Palatine Plan and Profile NEW.dwg

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

Palatine Road Widening STP Project
Striping and Signage Plan

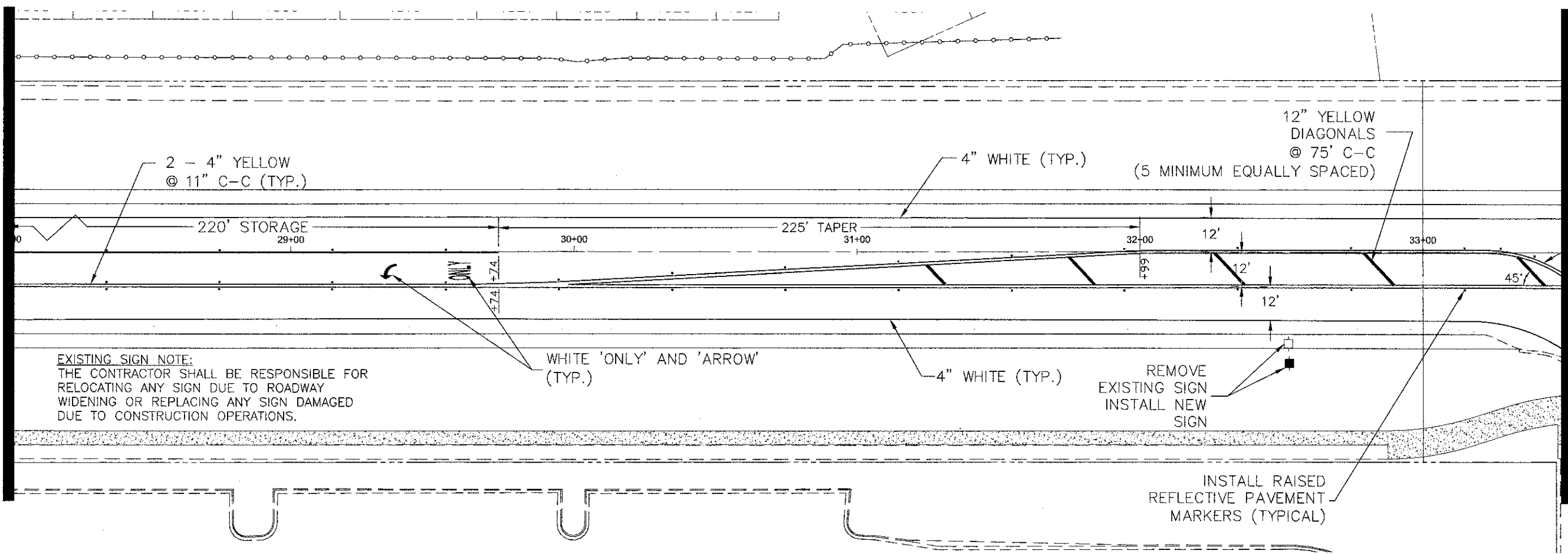
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	50
CONTRACT NO. 63749			ILLINOIS FED. AID PROJECT GMM 9003(492)	

PLAN	DESIGNED	DATE
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	ADJUSTMENT CHECKED	
	NO. _____	PROFILE NAME

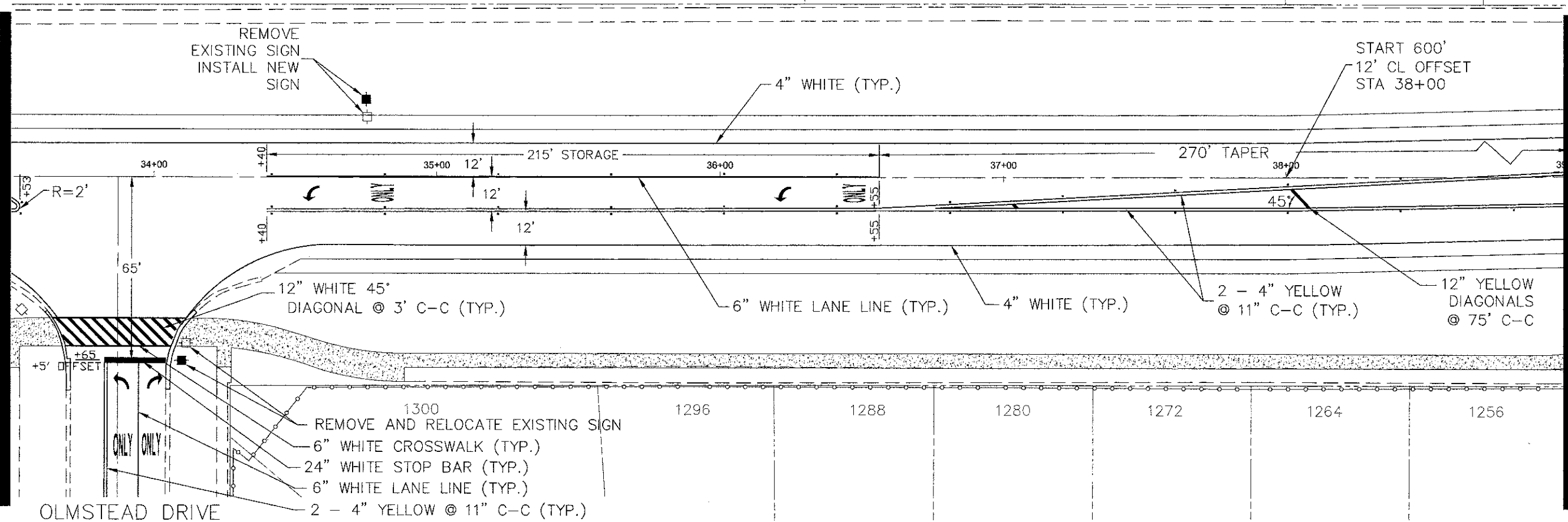
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	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NO. _____	

MATCHLINE 28+00



MATCHLINE 33+50

MATCHLINE 33+50



MATCHLINE 39+00

FILE NAME = Palatine Plan and Profile NEW.dwg

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

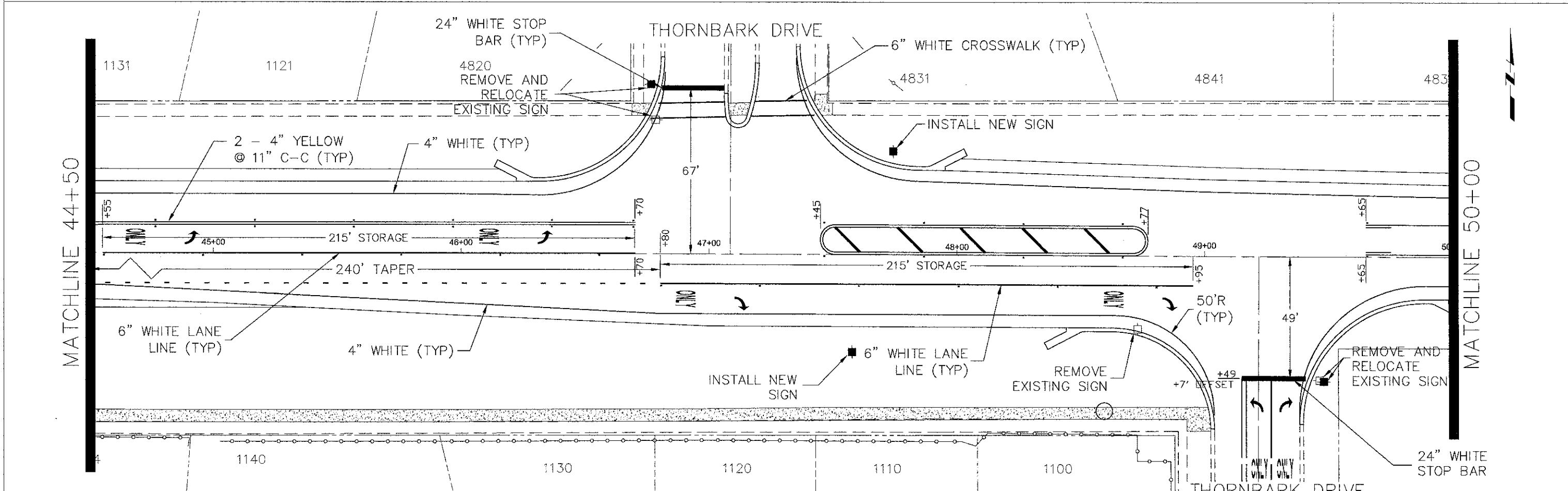
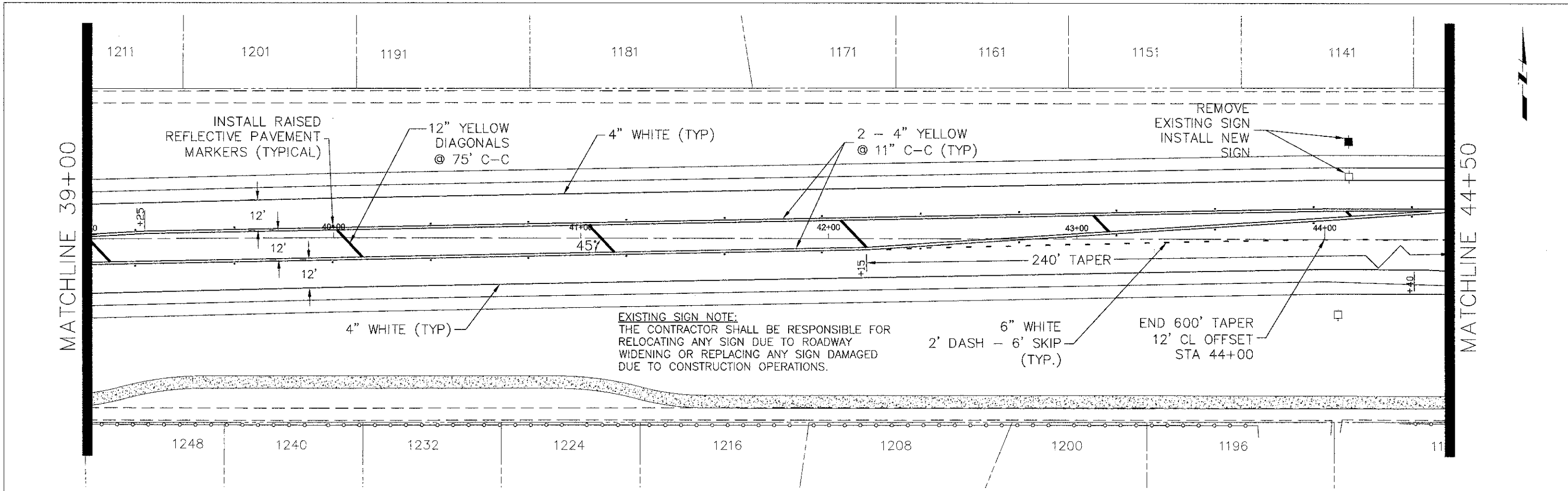
Palatine Road Widening STP Project
Striping and Signage Plan

SCALE: 1" = 20' SHEET NO. 3 OF 6 SHEETS STA. 28+00 TO STA 39+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
1285	09-00082-00-CH	Cook	NO. 97
			51
			CONTRACT NO. 63749
ILLINOIS FED. AID PROJECT CMM 9003(492)			

PLAN	SURVEYED	DATE	BY
	NOTED		
	CHECKED		
	BY		
	NO.		
	NO.		
	NO.		

PROFILE	SURVEYED	DATE	BY
	NOTED		
	CHECKED		
	BY		
	NO.		
	NO.		
	NO.		



FILE NAME = Palatine Plan and Profile NEW.dwg

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

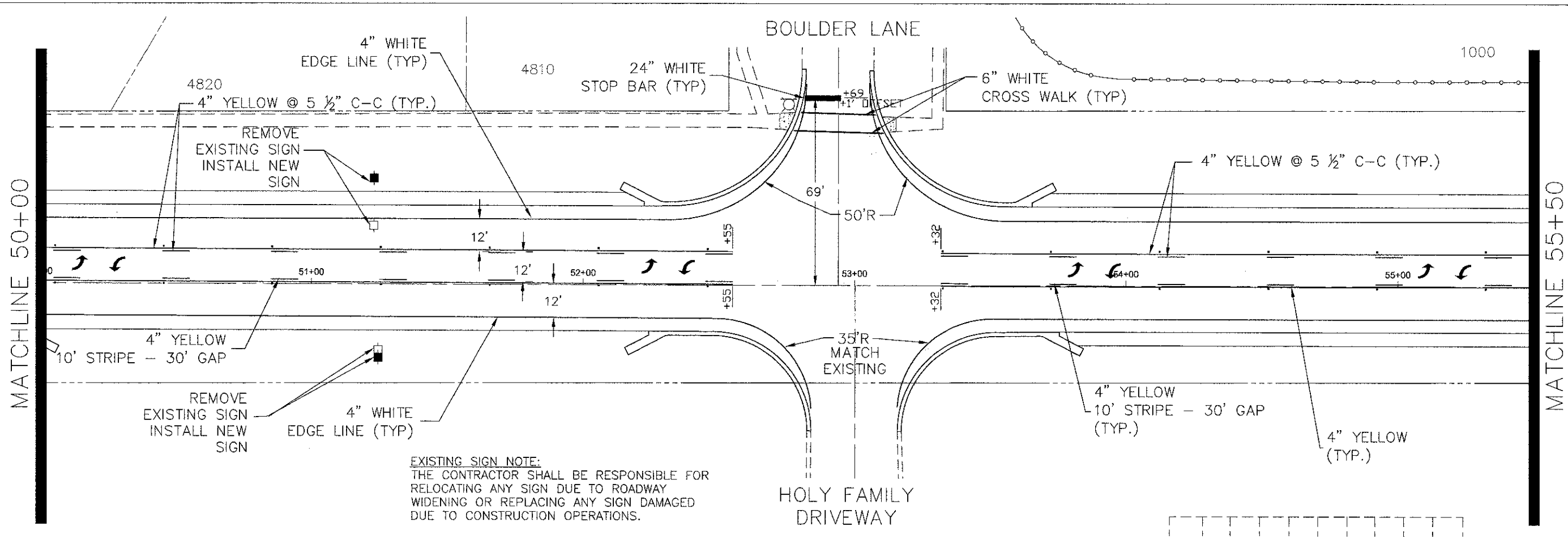
Palatine Road Widening STP Project
Striping and Signage Plan

SCALE: 1" = 20' SHEET NO. 4 OF 6 SHEETS STA. 39+00 TO STA 50+00

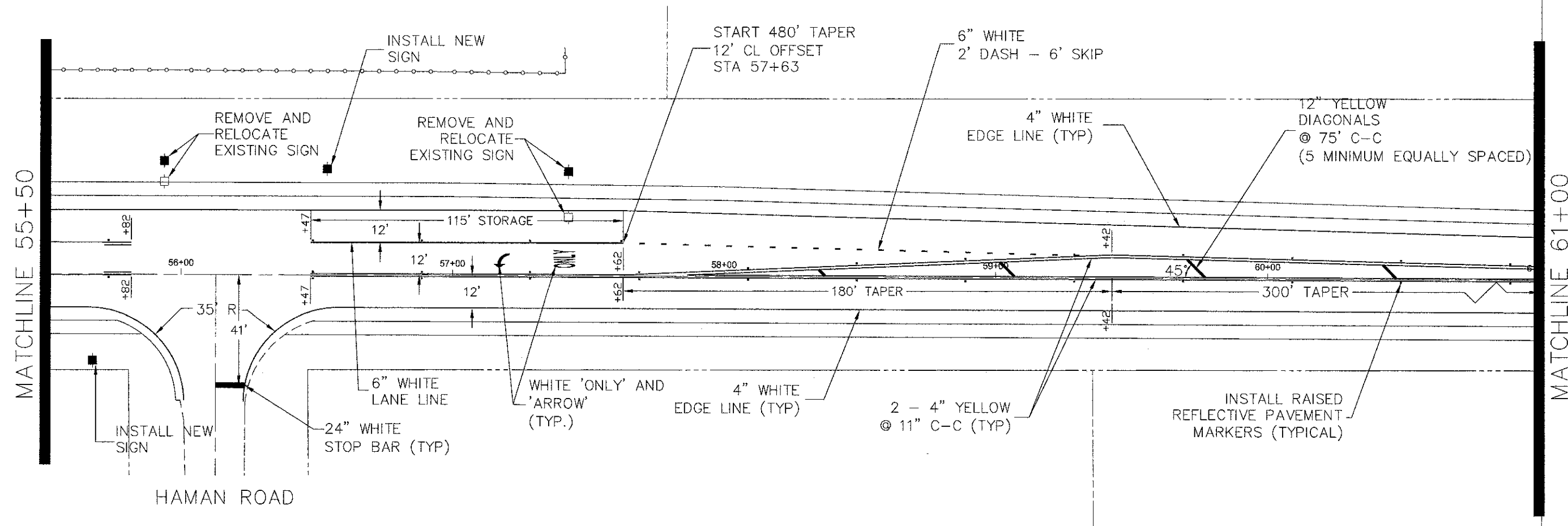
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
1285	09-00082-00-CH	Cook	97 52
			CONTRACT NO. 63749
ILLINOIS FED. AID PROJECT CMM 9003(492)			

PLAN	DESIGNED	DATE	BY
	PLOTTED		
	ALIGNED		
	CHECKED		
	NO.		

PROFILE	DESIGNED	DATE	BY
	PLOTTED		
	GRADES		
	CHECKED		
	NO.		



EXISTING SIGN NOTE:
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING ANY SIGN DUE TO ROADWAY WIDENING OR REPLACING ANY SIGN DAMAGED DUE TO CONSTRUCTION OPERATIONS.



FILE NAME =
 Palatine Plan and Profile NEW.dwg

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

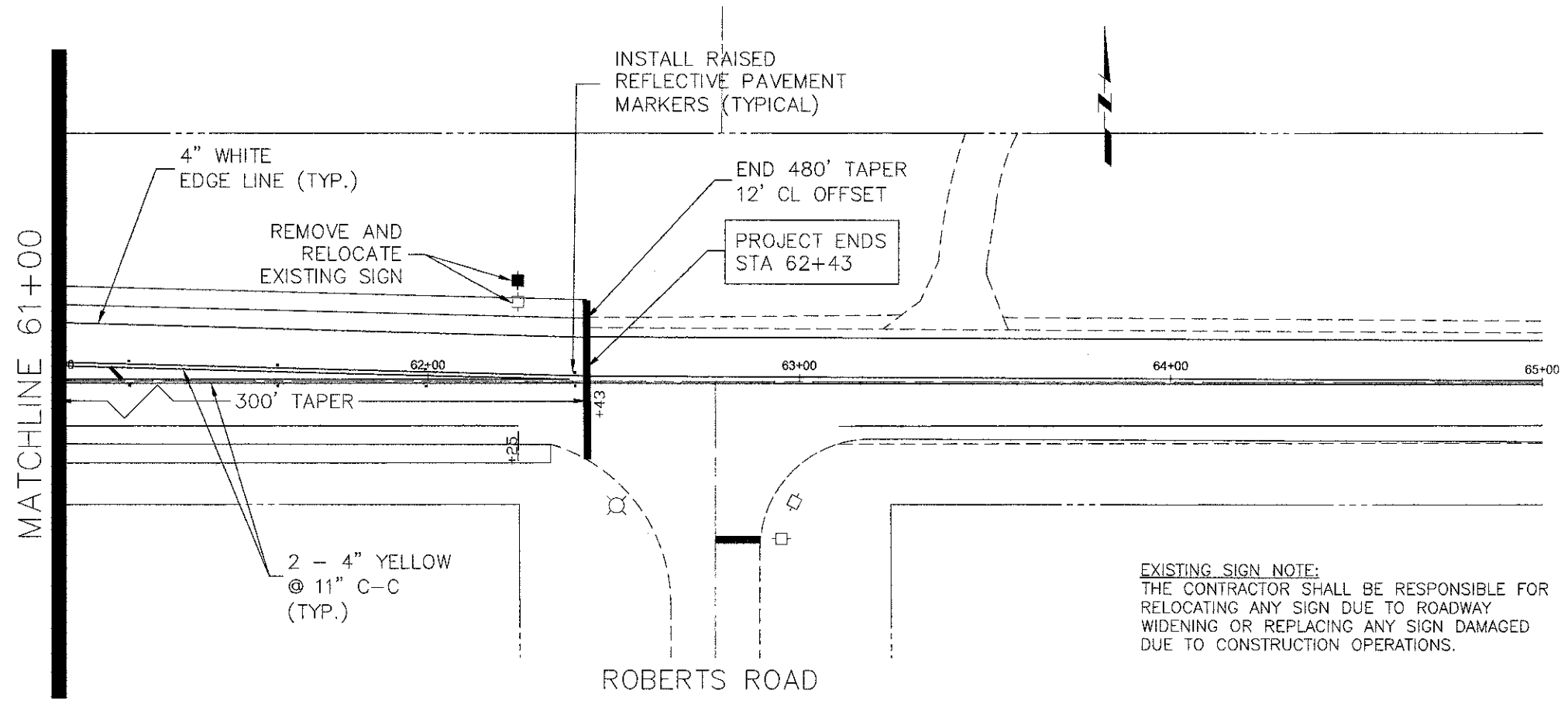
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**Palatine Road Widening STP Project
 Striping and Signage Plan**

SCALE: 1" = 20' SHEET NO. 5 OF 6 SHEETS STA. 50+00 TO STA 61+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1295	09-00082-00-CH	Cook	97	53
CONTRACT NO. 63749			ILLINOIS FED. AID PROJECT CMM 9003(492)	

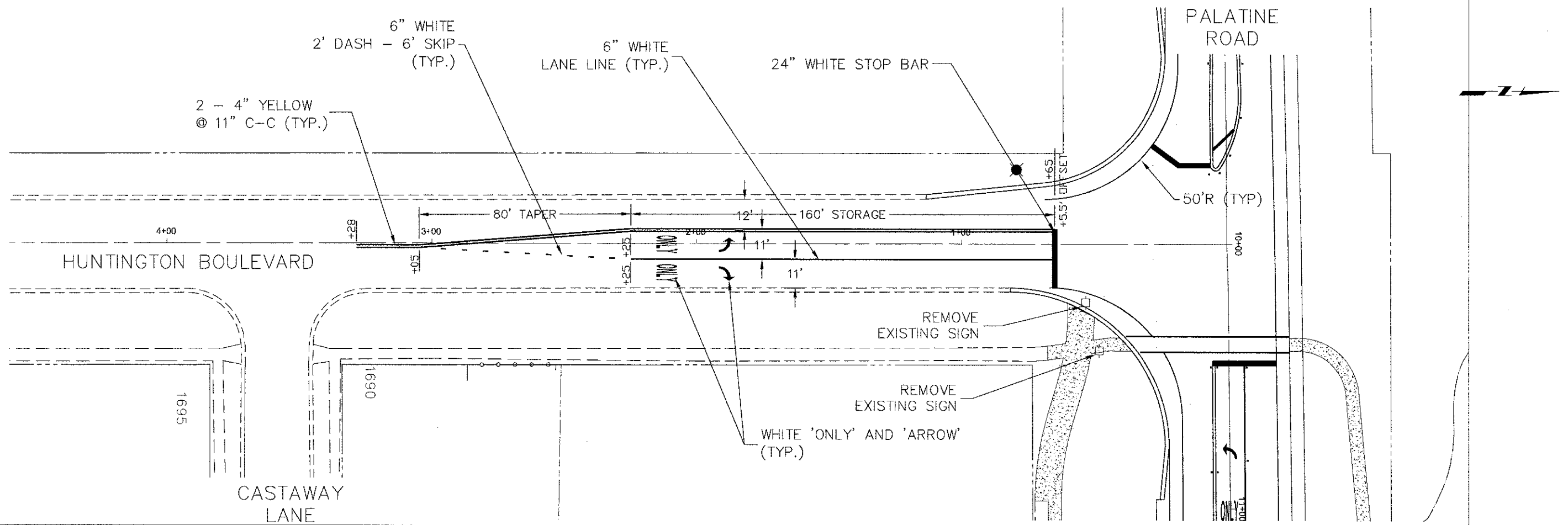
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NOTED	PLOTTED		
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NO. 5	NO. 6		
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NO. 9	NO. 10		
NO. 11	NO. 12		
NO. 13	NO. 14		
NO. 15	NO. 16		
NO. 17	NO. 18		
NO. 19	NO. 20		
NO. 21	NO. 22		
NO. 23	NO. 24		
NO. 25	NO. 26		
NO. 27	NO. 28		
NO. 29	NO. 30		
NO. 31	NO. 32		
NO. 33	NO. 34		
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NO. 39	NO. 40		
NO. 41	NO. 42		
NO. 43	NO. 44		
NO. 45	NO. 46		
NO. 47	NO. 48		
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NO. 53	NO. 54		
NO. 55	NO. 56		
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NO. 65	NO. 66		
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NO. 69	NO. 70		
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NO. 83	NO. 84		
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NO. 99	NO. 100		



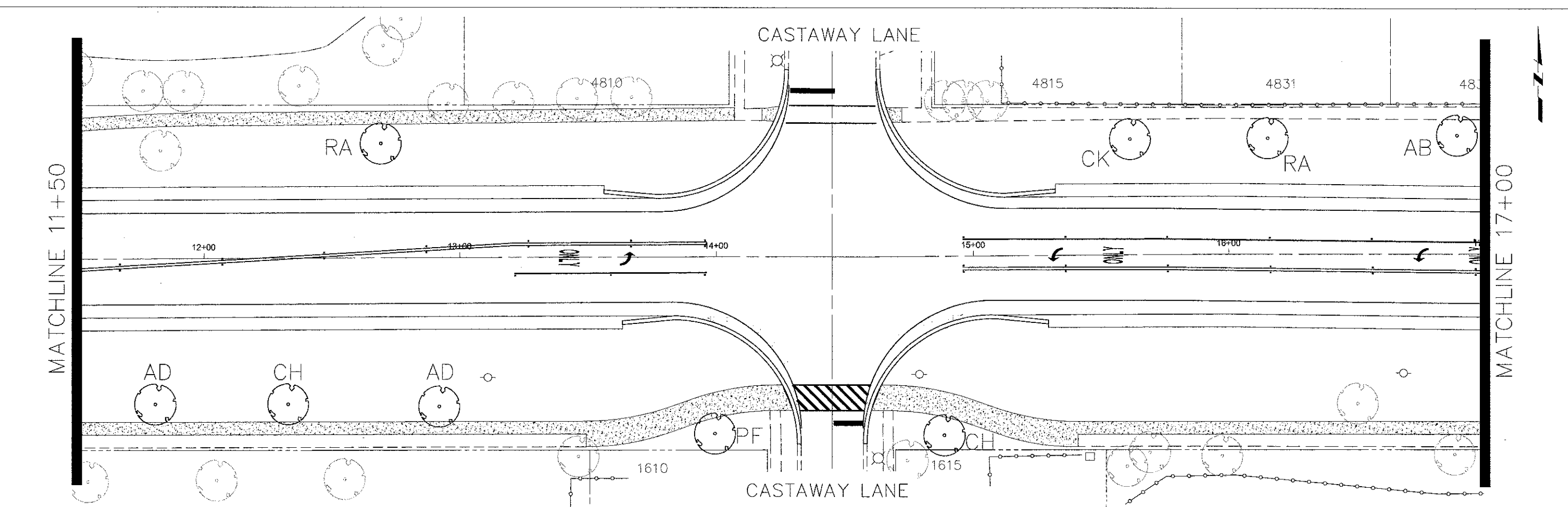
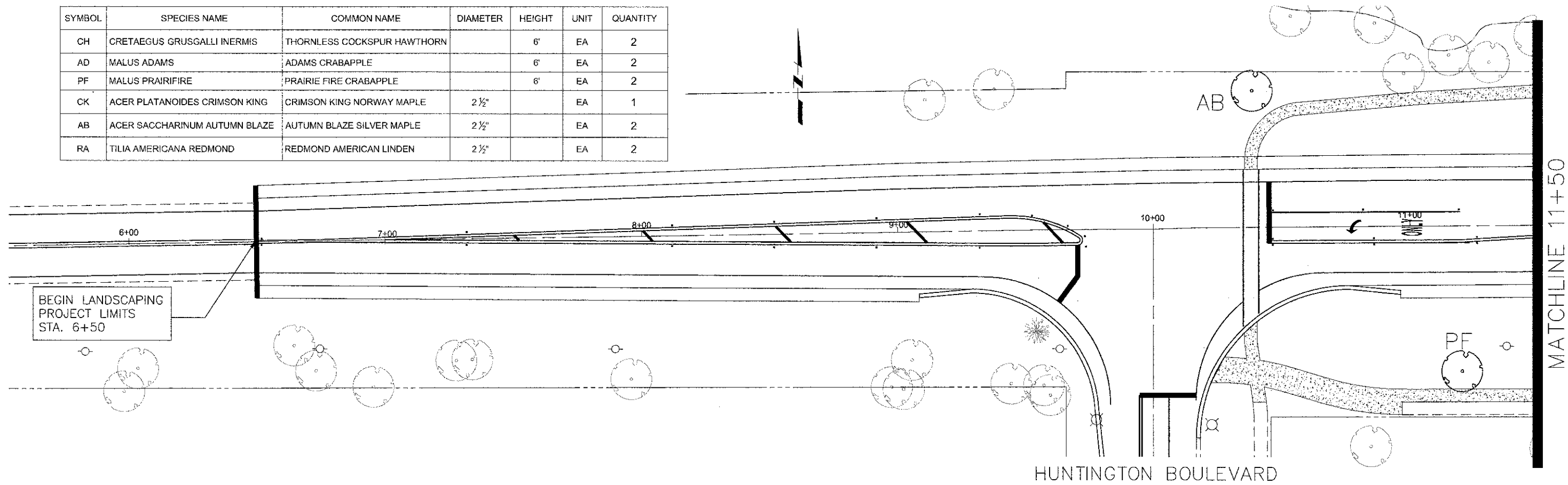
EXISTING SIGN NOTE:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING ANY SIGN DUE TO ROADWAY WIDENING OR REPLACING ANY SIGN DAMAGED DUE TO CONSTRUCTION OPERATIONS.

Station	Sign	Designation	Size	Action
9+20L	LOVE THE LAND OF LINCOLN			
	ADOPT A HIGHWAY		30" X 48"	Relocate
	KEEP IT CLEAN		24" X 24"	Relocate
10+22R	STOP	R1-1	30" X 30"	Remove
10+40R	HUNTINGTON BOULEVARD/		48" X 9"	Remove
	PALATINE ROAD		48" X 9"	Remove
11+59R	NO PASSING ZONE	W14-3	48" X 48" X 36"	New
14+26L	STOP	R1-1	30" X 30"	Relocate
14+66R	STOP	R1-1	30" X 30"	Relocate
14+71L	25 MPH SPEED LIMIT	R2-1	24" X 30"	New
	WEIGHT LIMIT 5 TONS	R12-1	24" X 30"	New
15+18R	DO NOT PASS	R4-1	24" X 30"	New
17+54R	45 MPH SPEED LIMIT	R2-1	30" X 36"	New
22+94L	45 MPH SPEED LIMIT	R2-1	30" X 36"	New
32+52R	45 MPH SPEED LIMIT	R2-1	30" X 36"	New
33+53R	OLMSTEAD DRIVE/		48" X 9"	Relocate
	PALATINE ROAD		48" X 9"	Relocate
34+12R	STOP	R1-1	30" X 30"	Relocate
34+76L	45 MPH SPEED LIMIT	R2-1	30" X 36"	New
44+06R	SCHOOL BUS ENTRANCE		36" X 36"	Relocate
44+10L	DO NOT PASS	R4-1	24" X 30"	New
46+77L	STOP	R1-1	30" X 30"	Relocate
47+56R	TWO-WAY LEFT TURN ONLY	R3-9b	30" X 36"	New
	BEGIN	R3-9cP	30" X 12"	New
47+76L	TWO-WAY LEFT TURN ONLY	R3-9b	30" X 36"	New
	END	R3-9dP	30" X 12"	New
48+73R	RIGHT TURN ONLY		30" X 30"	Remove
46+77L	STOP	R1-1	30" X 30"	Relocate
51+23L	45 MPH SPEED LIMIT	R2-1	30" X 36"	New
	TWO-WAY LEFT TURN ONLY	R3-9b	30" X 36"	New
51+24R	45 MPH SPEED LIMIT	R2-1	30" X 36"	New
	TWO-WAY LEFT TURN ONLY	R3-9b	30" X 36"	New
55+67R	TWO-WAY LEFT TURN ONLY	R3-9b	30" X 36"	New
	END	R3-9dP	30" X 12"	New
55+94L	HOFFMAN ESTATES			
	GROWING TO GREATNESS/		60" X 24"	Relocate
	SISTER CITY		48" X 12"	Relocate
56+44L	TWO-WAY LEFT TURN ONLY	R3-9b	30" X 36"	New
	BEGIN	R3-9cP	30" X 12"	New
57+43L	SCHOOL BUS ENTRANCE		36" X 36"	Relocate
62+24L	45 MPH SPEED LIMIT	R2-1	30" X 36"	New

PROFILE	SURVEYED	DATE	BY
NOTED	PLOTTED		
NO. 1	NO. 2		
NO. 3	NO. 4		
NO. 5	NO. 6		
NO. 7	NO. 8		
NO. 9	NO. 10		
NO. 11	NO. 12		
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NO. 89	NO. 90		
NO. 91	NO. 92		
NO. 93	NO. 94		
NO. 95	NO. 96		
NO. 97	NO. 98		
NO. 99	NO. 100		



SYMBOL	SPECIES NAME	COMMON NAME	DIAMETER	HEIGHT	UNIT	QUANTITY
CH	CRETAEGUS GRUSGALLI INERMIS	THORNLESS COCKSPUR HAWTHORN		6'	EA	2
AD	MALUS ADAMS	ADAMS CRABAPPLE		6'	EA	2
PF	MALUS PRAIRIFIRE	PRAIRIE FIRE CRABAPPLE		6'	EA	2
CK	ACER PLATANOIDES CRIMSON KING	CRIMSON KING NORWAY MAPLE	2 1/2"		EA	1
AB	ACER SACCHARINUM AUTUMN BLAZE	AUTUMN BLAZE SILVER MAPLE	2 1/2"		EA	2
RA	TILIA AMERICANA REDMOND	REDMOND AMERICAN LINDEN	2 1/2"		EA	2



PLAN	DESIGNED	DATE
	DRAWN	
	CHECKED	
	DATE	

PROFILE	DESIGNED	DATE
	DRAWN	
	CHECKED	
	DATE	

FILE NAME -
Palatine Plan and Profile NEW.dwg

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

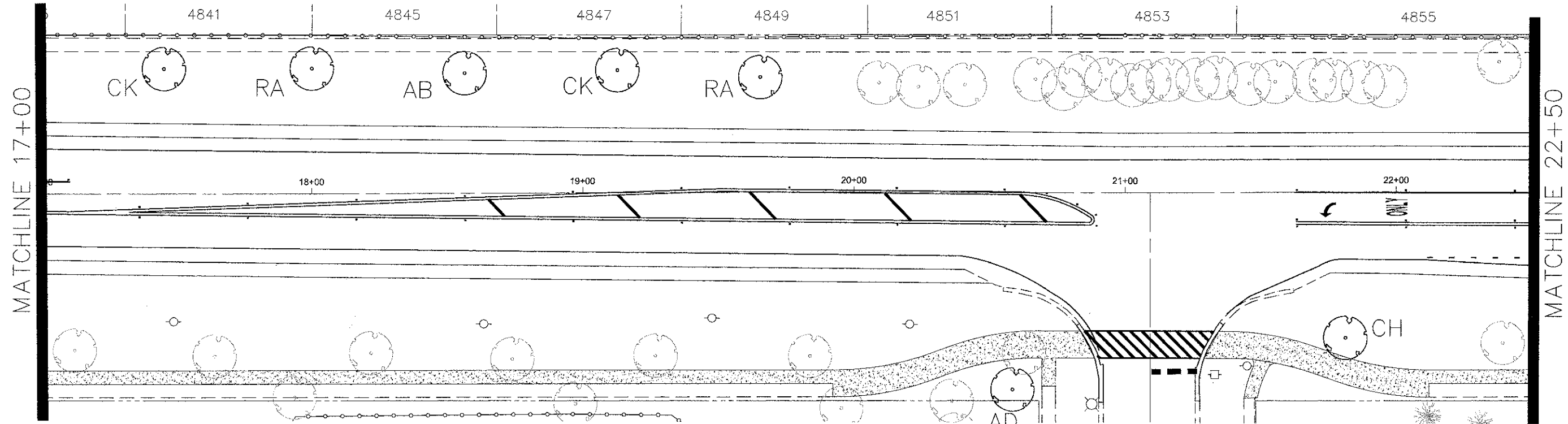
Palatine Road Widening STP Project
Landscaping Plan

SCALE: 1" = 20' SHEET NO. 1 OF 5 SHEETS STA. 6+00 TO STA 17+00

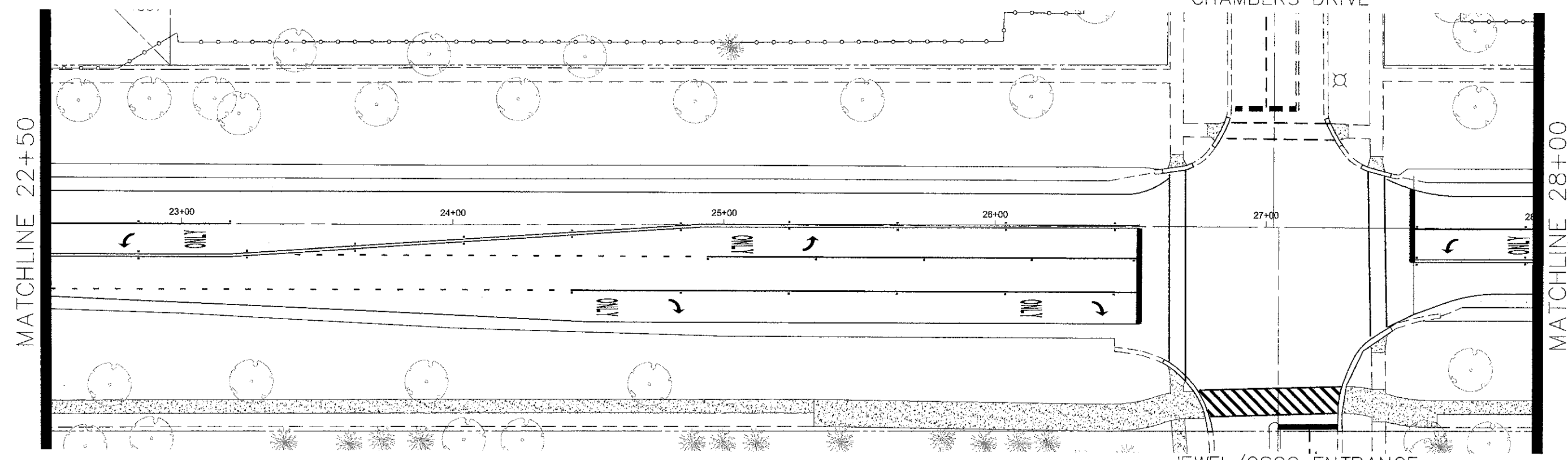
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	55
CONTRACT NO. 63749			ILLINOIS FED. AID PROJECT CMM 9003(492)	

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

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



SYMBOL	SPECIES NAME	COMMON NAME	DIAMETER	HEIGHT	UNIT	QUANTITY
CH	CRETAEGUS GRUSGALLI INERMIS	THORNLESS COCKSPUR HAWTHORN		6'	EA	1
AD	MALUS ADAMS	ADAMS CRABAPPLE		6'	EA	1
PF	MALUS PRAIRIFIRE	PRAIRIE FIRE CRABAPPLE		6'	EA	0
CK	ACER PLATANOIDES CRIMSON KING	CRIMSON KING NORWAY MAPLE	2 1/2"		EA	2
AB	ACER SACCHARINUM AUTUMN BLAZE	AUTUMN BLAZE SILVER MAPLE	2 1/2"		EA	1
RA	TILIA AMERICANA REDMOND	REDMOND AMERICAN LINDEN	2 1/2"		EA	2



FILE NAME =
 Palatine Plan and Profile NEW.dwg

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

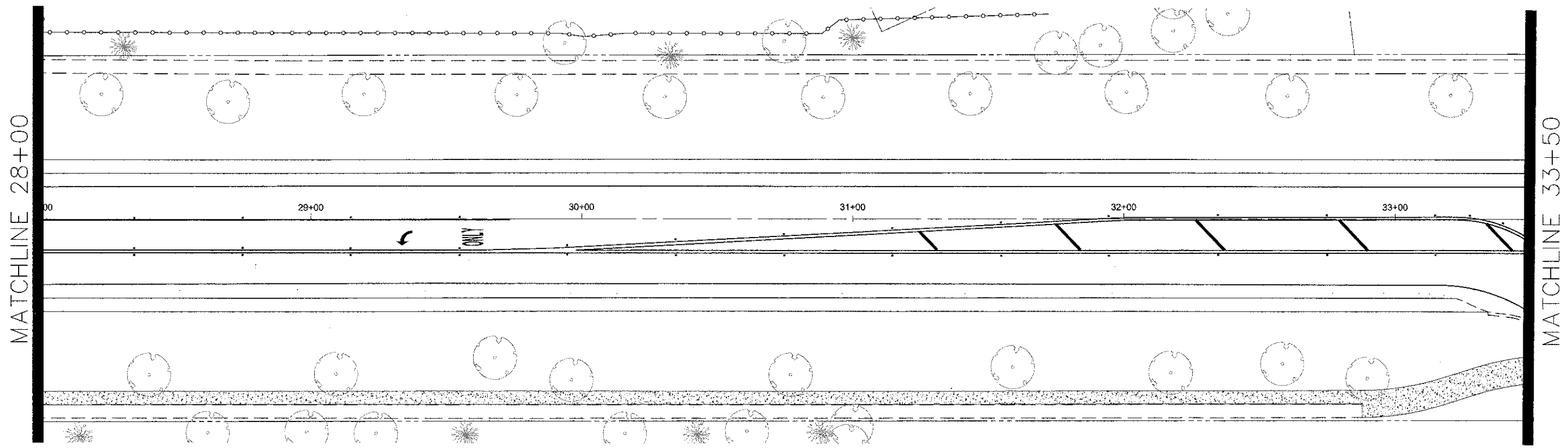
Palatine Road Widening STP Project
 Landscaping Plan

SCALE: 1" = 20' SHEET NO. 2 OF 5 SHEETS STA. 17+00 TO STA 28+00

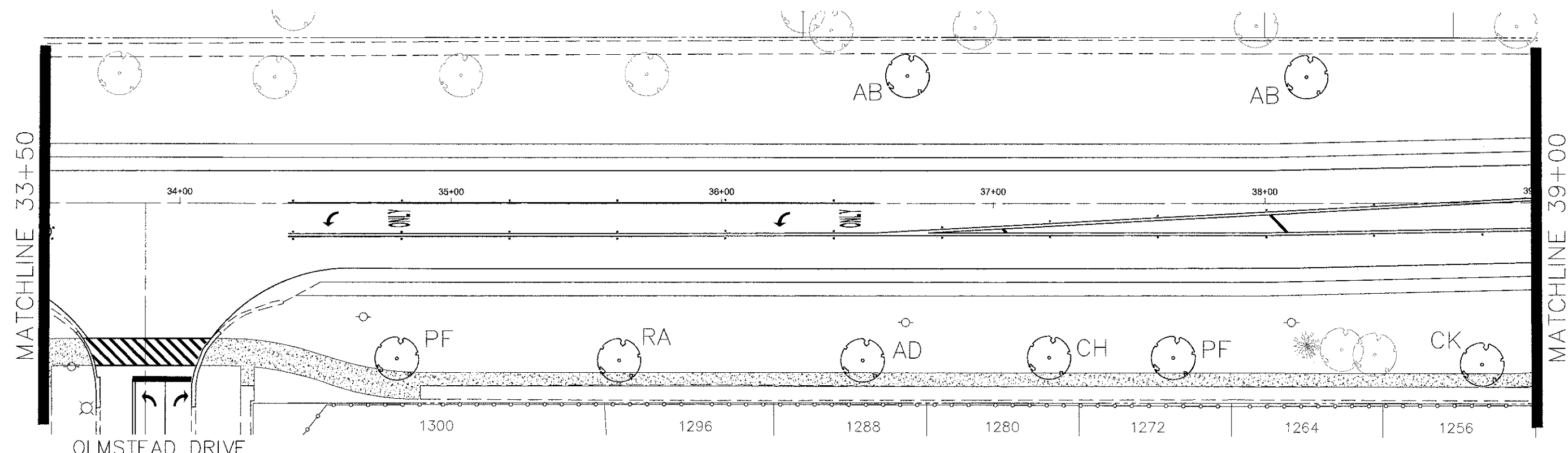
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CONTRACT NO. 63749			ILLINOIS FED. AID PROJECT CMM 9003(492)	

PLAN	DATE	BY
DESIGNED		
DRAWN		
CHECKED		
DATE		
NO.		

PROFILE	DATE	BY
DESIGNED		
DRAWN		
CHECKED		
DATE		
NO.		



SYMBOL	SPECIES NAME	COMMON NAME	DIAMETER	HEIGHT	UNIT	QUANTITY
CH	CRETAEGUS GRUSGALLI INERMIS	THORNLESS COCKSPUR HAWTHORN		6'	EA	1
AD	MALUS ADAMS	ADAMS CRABAPPLE		6'	EA	1
PF	MALUS PRAIRIFIRE	PRAIRIE FIRE CRABAPPLE		6'	EA	2
CK	ACER PLATANOIDES CRIMSON KING	CRIMSON KING NORWAY MAPLE	2 1/2"		EA	1
AB	ACER SACCHARINUM AUTUMN BLAZE	AUTUMN BLAZE SILVER MAPLE	2 1/2"		EA	2
RA	TILIA AMERICANA REDMOND	REDMOND AMERICAN LINDEN	2 1/2"		EA	1



FILE NAME = Palatine Plan and Profile NEW.dwg

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

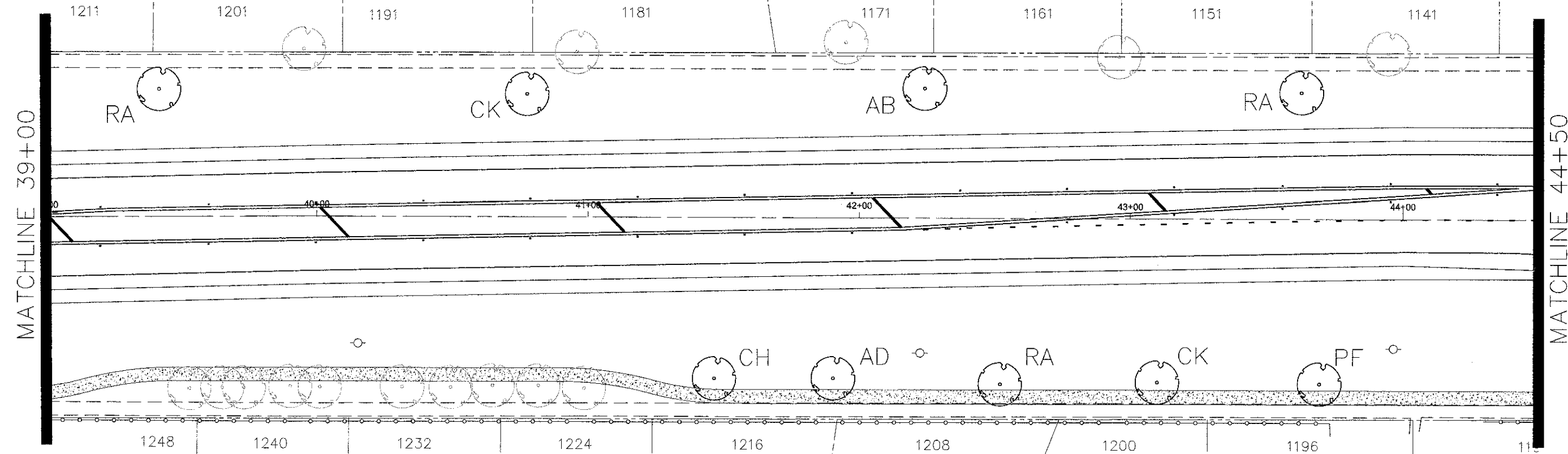
Palatine Road Widening STP Project
Landscaping Plan

SCALE: 1" = 20' SHEET NO. 3 OF 5 SHEETS STA. 28+00 TO STA 39+00

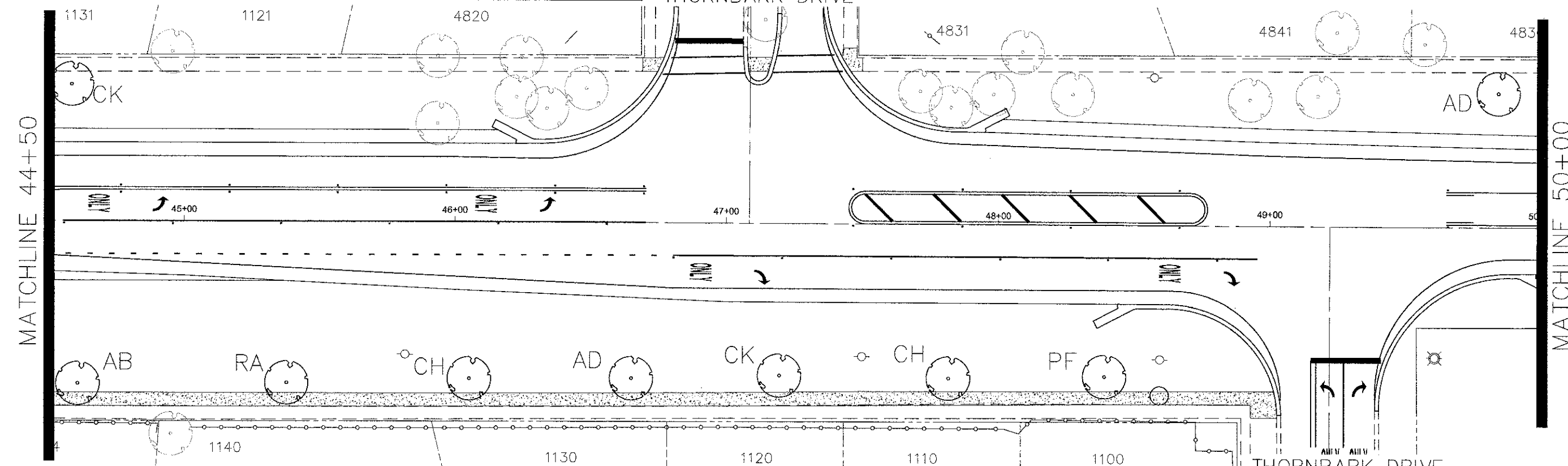
F.A.U. RTE. 1285	SECTION 09-00082-00-CH	COUNTY Cook	TOTAL SHEETS 97	SHEET NO. 57
CONTRACT NO. 63749			ILLINOIS FED. AID PROJECT CMM 9003(492)	

PLAN
 SURVEYED
 NOTE BOOK
 ALIGNMENT CHECKED
 ST. OF WAY CHECKED
 NO. PROFILE NAME

PROFILE
 BY
 DATE
 GRADES CHECKED
 NO. PROFILE NAME



SYMBOL	SPECIES NAME	COMMON NAME	DIAMETER	HEIGHT	UNIT	QUANTITY
CH	CRETAEGUS GRUSGALLI INERMIS	THORNLESS COCKSPUR HAWTHORN		6'	EA	3
AD	MALUS ADAMS	ADAMS CRABAPPLE		6'	EA	3
PF	MALUS PRAIRIFIRE	PRAIRIE FIRE CRABAPPLE		6'	EA	2
CK	ACER PLATANOIDES CRIMSON KING	CRIMSON KING NORWAY MAPLE	2 1/2"		EA	4
AB	ACER SACCHARINUM AUTUMN BLAZE	AUTUMN BLAZE SILVER MAPLE	2 1/2"		EA	2
RA	TILIA AMERICANA REDMOND	REDMOND AMERICAN LINDEN	2 1/2"		EA	4



FILE NAME -
 Palatine Plan and Profile NEW.dwg

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

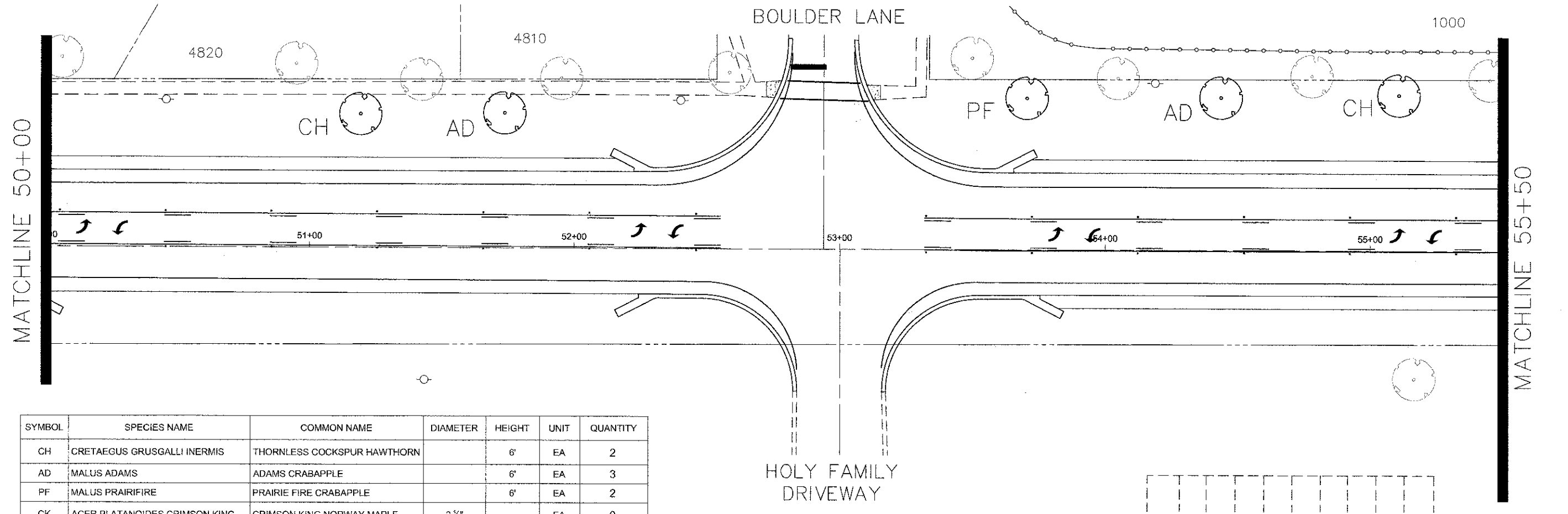
Palatine Road Widening STP Project
 Landscaping Plan

SCALE: 1" = 20' SHEET NO. 4 OF 5 SHEETS STA. 39+00 TO STA 50+00

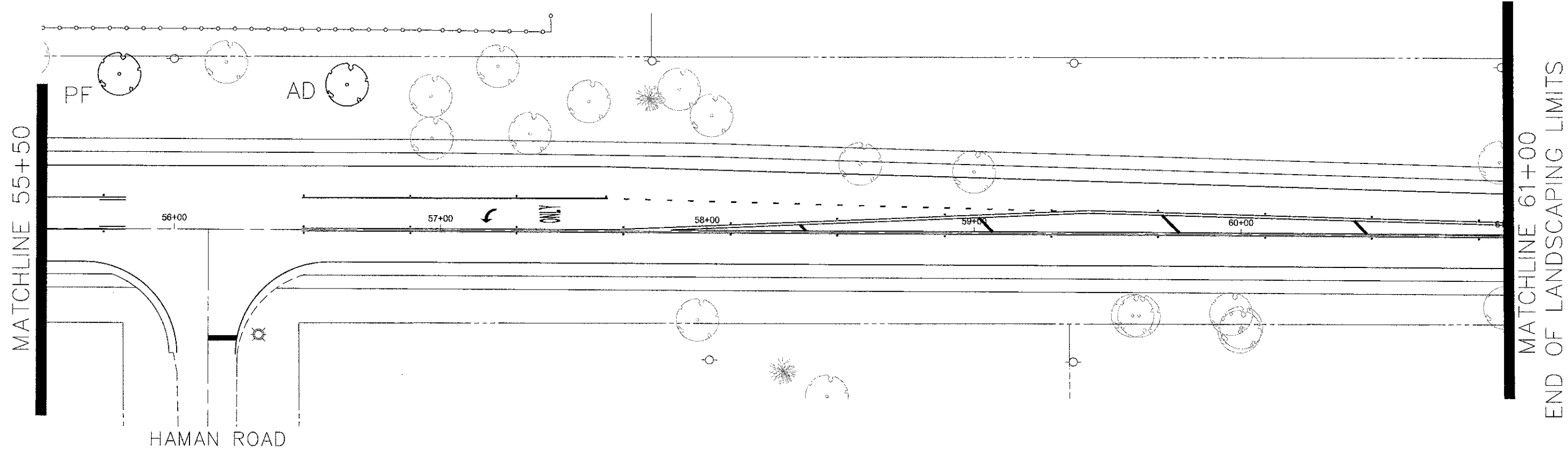
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	58
CONTRACT NO. 63749				
ILLINOIS FED. AID PROJECT CMM 9003(492)				

PLAN
 SURVEYED _____
 ALIGNMENT CHECKED _____
 NOTE BOOK NO. _____
 DATE OF PLAN CHECK _____
 NO. _____

PROFILE
 SURVEYED _____
 GRADES CHECKED _____
 B.M. NOTES _____
 STRUCTURE NOTES CHD _____
 DATE _____
 BY _____



SYMBOL	SPECIES NAME	COMMON NAME	DIAMETER	HEIGHT	UNIT	QUANTITY
CH	CRETAEGUS GRUSGALLI INERMIS	THORNLESS COCKSPUR HAWTHORN		6'	EA	2
AD	MALUS ADAMS	ADAMS CRABAPPLE		6'	EA	3
PF	MALUS PRAIRIFIRE	PRAIRIE FIRE CRABAPPLE		6'	EA	2
CK	ACER PLATANOIDES CRIMSON KING	CRIMSON KING NORWAY MAPLE	2 1/2"		EA	0
AB	ACER SACCHARINUM AUTUMN BLAZE	AUTUMN BLAZE SILVER MAPLE	2 1/2"		EA	0
RA	TILIA AMERICANA REDMOND	REDMOND AMERICAN LINDEN	2 1/2"		EA	0



FILE NAME -
 Palatine Plan and Profile NEW.dwg

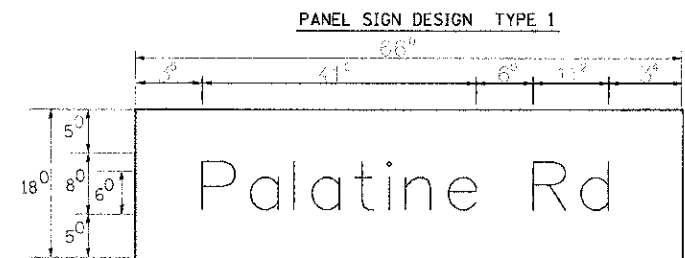
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

Palatine Road Widening STP Project
 Landscaping Plan

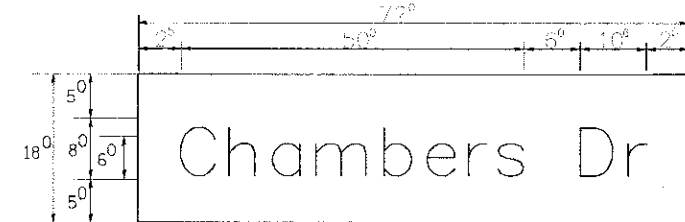
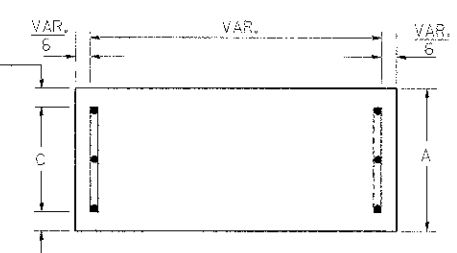
SCALE: 1" = 20' SHEET NO. 5 OF 5 SHEETS STA. 50+00 TO STA 61+00

F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	59
CONTRACT NO. 63749				
ILLINOIS FED. AID PROJECT CMM 9003(492)				



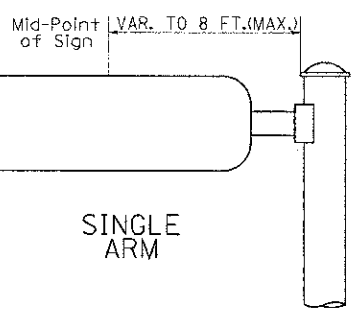
Sq. M. each
8.25 Sq. Ft. each
3 Required
Design Series D

SUPPORTING CHANNELS

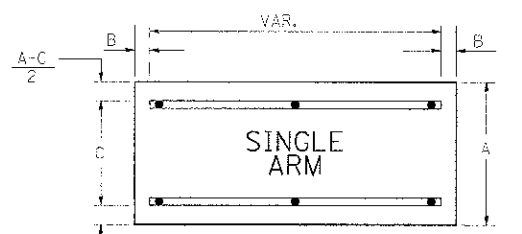


Sq. M. each
9.00 Sq. Ft. each
2 Required
Design Series D

A	B	C
18"	2"	14"



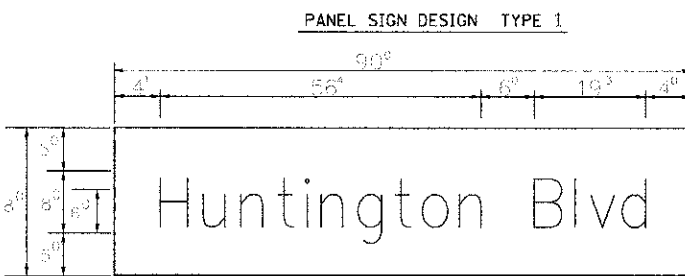
SUPPORTING CHANNELS



Sq. M. each
11.25 Sq. Ft. each
2 Required
Design Series D

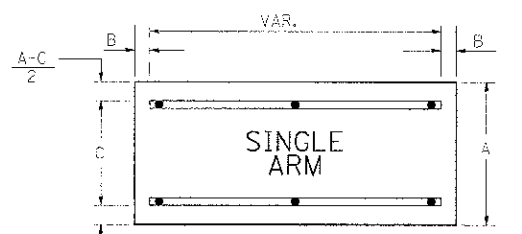
A	B	C
18"	2"	12"
30"	2"	22"

NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS

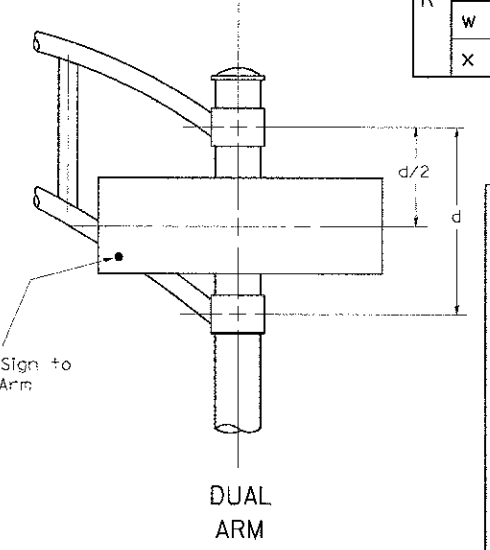


Sq. M. each
11.25 Sq. Ft. each
2 Required
Design Series D

SUPPORTING CHANNELS



Sq. M. each
Sq. Ft. each
Required
Design Series



SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM shall be used. See Note #5.

Upper Case To Lower Case
Spacing Chart 8-6 Inch Series "C & D"

SERIES	SECOND LETTER															
	a c d e		b h i k l		f w		j		s t		v y		x		z	
	g o q	m n p r u														
A W X	12	14	14	15	12	14	06	10	11	14	06	10	11	12	12	14
B	14	15	20	21	14	15	11	12	14	15	12	14	12	14	16	17
C E G	14	15	20	21	12	14	06	10	12	14	12	14	14	15	14	15
D O Q R	14	15	20	21	14	15	06	10	12	14	12	14	14	15	14	15
F	05	06	14	15	06	10	05	06	06	10	06	10	06	10	11	12
H I M N	20	21	22	24	20	21	14	15	16	17	16	17	20	21	20	21
J U	20	21	20	21	16	17	14	15	16	17	16	17	16	17	20	21
K L	11	12	16	17	11	12	05	06	11	12	11	12	11	12	12	14
P	12	14	14	15	12	14	05	06	11	12	11	12	12	14	12	14
S	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
T	11	12	16	17	06	10	06	10	11	12	11	12	11	12	12	14
V	06	10	14	15	11	12	06	10	12	14	12	14	12	14	12	14
Y	05	06	14	15	06	10	05	06	05	07	05	06	06	10	11	12
Z	16	17	22	24	16	17	12	14	16	17	16	17	16	17	20	21

Lower Case To Lower Case
Spacing Chart 6 Inch Series "C & D"

SERIES	SECOND LETTER															
	a c d e		b h i k l		f w		j		s t		v y		x		z	
	g o q	m n p r u														
ad h g i j	16	17	22	24	16	17	12	14	14	15	14	15	16	17	16	17
l m n q u																
b f k o p s	12	14	16	17	11	12	05	06	11	12	11	12	12	14	12	14
c e	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
r	06	10	12	14	06	10	03	03	05	06	05	06	06	10	06	10
t z	12	14	16	17	12	14	06	10	11	12	11	12	12	14	12	14
v y	11	12	14	15	11	12	05	06	06	10	06	10	11	12	11	12
w	11	12	14	15	11	12	05	06	11	12	11	12	11	12	12	14
x	12	14	16	17	11	12	05	06	11	12	11	12	11	12	12	14

Number To Number
Spacing Chart 8 Inch Series "C & D"

SERIES	SECOND NUMBER																			
	0		1		2		3		4		5		6		7		8		9	
0 9	16	17	16	17	14	15	12	14	14	15	14	15	16	17	12	14	16	17	16	17
1	20	21	20	21	20	21	16	17	14	15	20	21	20	21	14	15	20	21	20	21
2 3 4	14	15	14	15	14	15	12	14	14	15	14	15	11	12	16	17	14	15		
5	14	15	14	15	14	15	11	12	11	12	14	15	14	15	11	12	14	15	14	15
6	16	17	14	15	14	15	12	15	12	14	14	15	14	15	11	12	14	15	14	15
7	12	14	12	14	14	15	12	15	05	06	12	14	14	15	11	12	14	15	12	14
8	16	17	16	17	14	15	12	15	12	14	14	15	16	17	12	14	16	17	14	15

EXAMPLE, 2³ DENOTES 3/8"

UPPER AND LOWER CASE LETTER WIDTHS

LETTERS	6 INCH UPPER CASE LETTERS				8 INCH UPPER CASE LETTERS				LETTERS	6 INCH LOWER CASE LETTERS	
	SERIES		SERIES		SERIES		SERIES			SERIES	
	C	D	C	D	C	D	C	D		C	D
A	36	50	50	65	a	35	42				
B	32	40	43	53	b	35	42				
C	32	40	43	53	c	35	41				
D	32	40	43	53	d	35	42				
E	30	35	40	47	e	35	42				
F	30	35	40	47	f	23	26				
G	32	40	43	53	g	35	42				
H	32	40	43	53	h	35	42				
I	07	07	11	12	i	11	11				
J	30	36	40	50	j	20	22				
K	32	41	43	54	k	35	42				
L	30	35	40	47	l	11	11				
M	37	45	51	61	m	60	70				
N	32	40	43	53	n	35	42				
O	34	42	45	55	o	36	43				
P	32	40	43	53	p	35	42				
Q	34	42	45	55	q	35	42				
R	32	40	43	53	r	26	32				
S	32	40	43	53	s	36	42				
T	30	35	40	47	t	27	32				
U	32	40	43	53	u	35	42				
V	35	44	47	60	v	42	47				
W	44	52	60	70	w	55	64				
X	34	40	45	53	x	44	51				
Y	36	50	50	66	y	46	53				
Z	32	40	43	53	z	36	43				

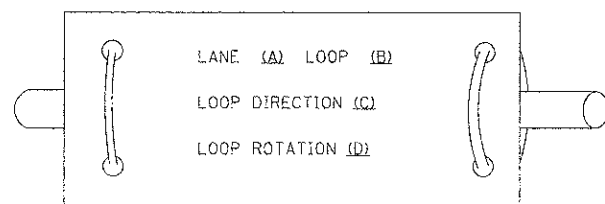
NUMBER	6 INCH SERIES		8 INCH SERIES	
	C	D	C	D
1	12	14	15	20
2	32	40	43	53
3	32	40	43	53
4	35	43	47	57
5	32	40	43	53
6	32	40	43	53
7	32	40	43	53
8	32	40	43	53
9	32	40	43	53
0	34	42	45	55

- GENERAL NOTES**
- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" X 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
 - ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
 - THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 8'-0".
 - ALL BORDERS SHALL BE 3/4" WIDE AND CORNER RADIUS SHALL BE 2-1/4".
 - SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:
 - * J.O. HERBERT CO. MIDLOTHIAN, VA.
 - * WESTERN REMAC INC. WOODRIDGE, IL.
- PARTS LISTING:**
SIGN CHANNEL PART #HPN03 (MED. CHANNEL)
SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
SELF TAPPING WITH NEOPRENE WASHER
BRACKETS PART #HPN034 (UNIVERSAL)
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

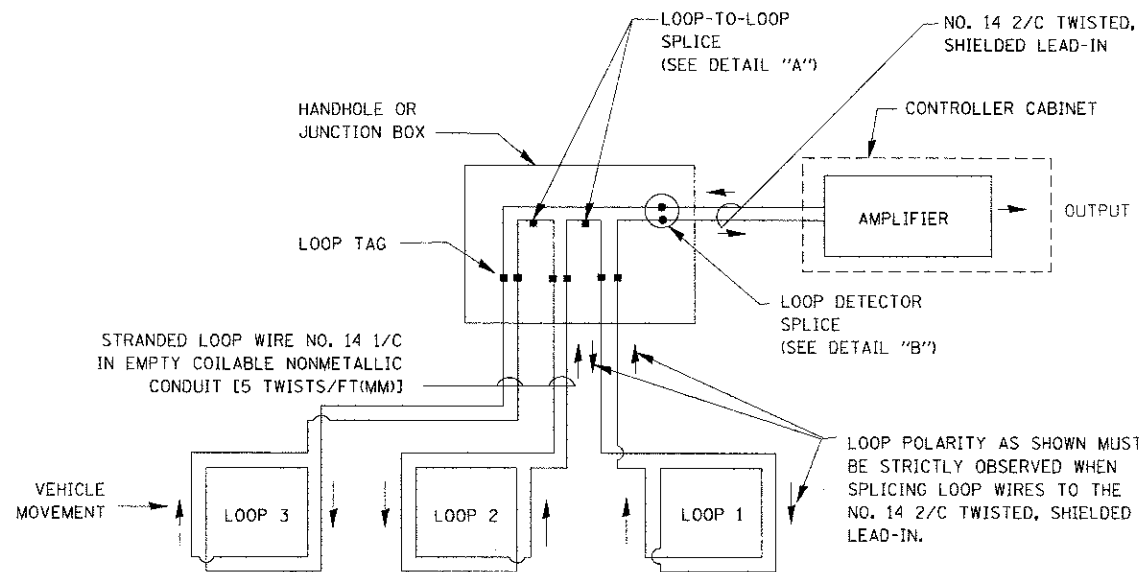
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVESHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

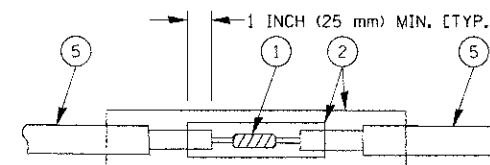


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

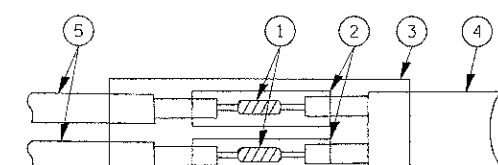


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

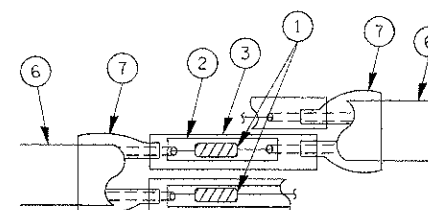


DETAIL "A" LOOP-TO-LOOP SPLICE

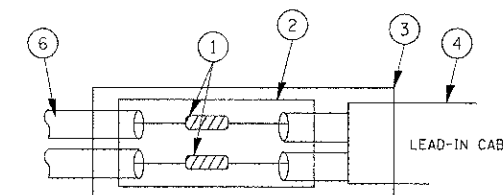


DETAIL "B" LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A" LOOP-TO-LOOP SPLICE



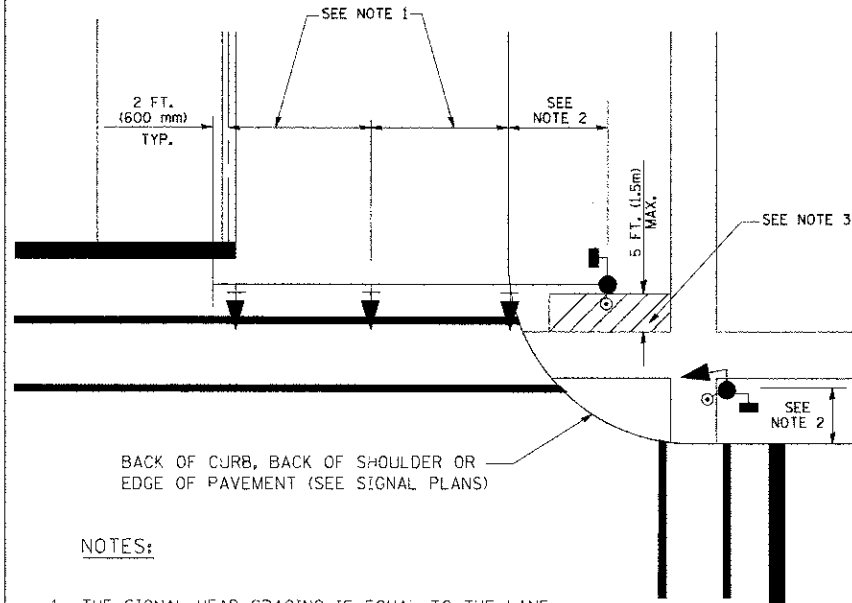
DETAIL "B" LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

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

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

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

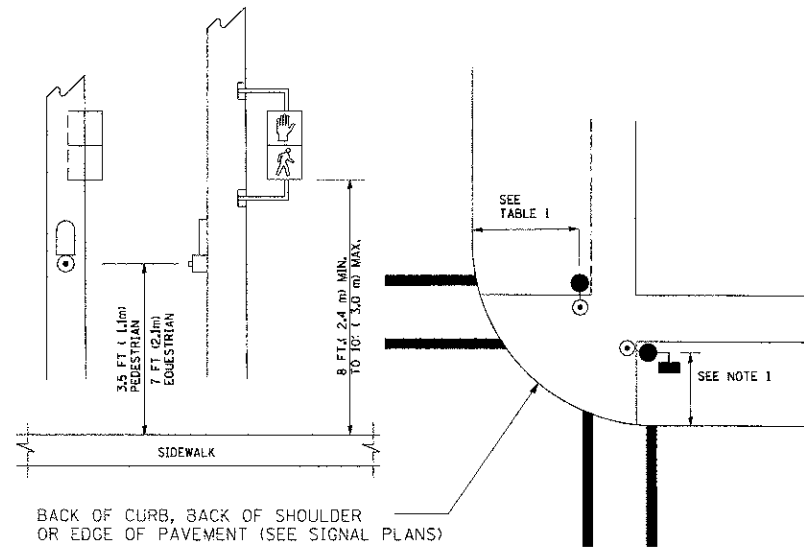


BACK OF CURB, BACK OF SHOULDER OR EDGE OF PAVEMENT (SEE SIGNAL PLANS)

NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST

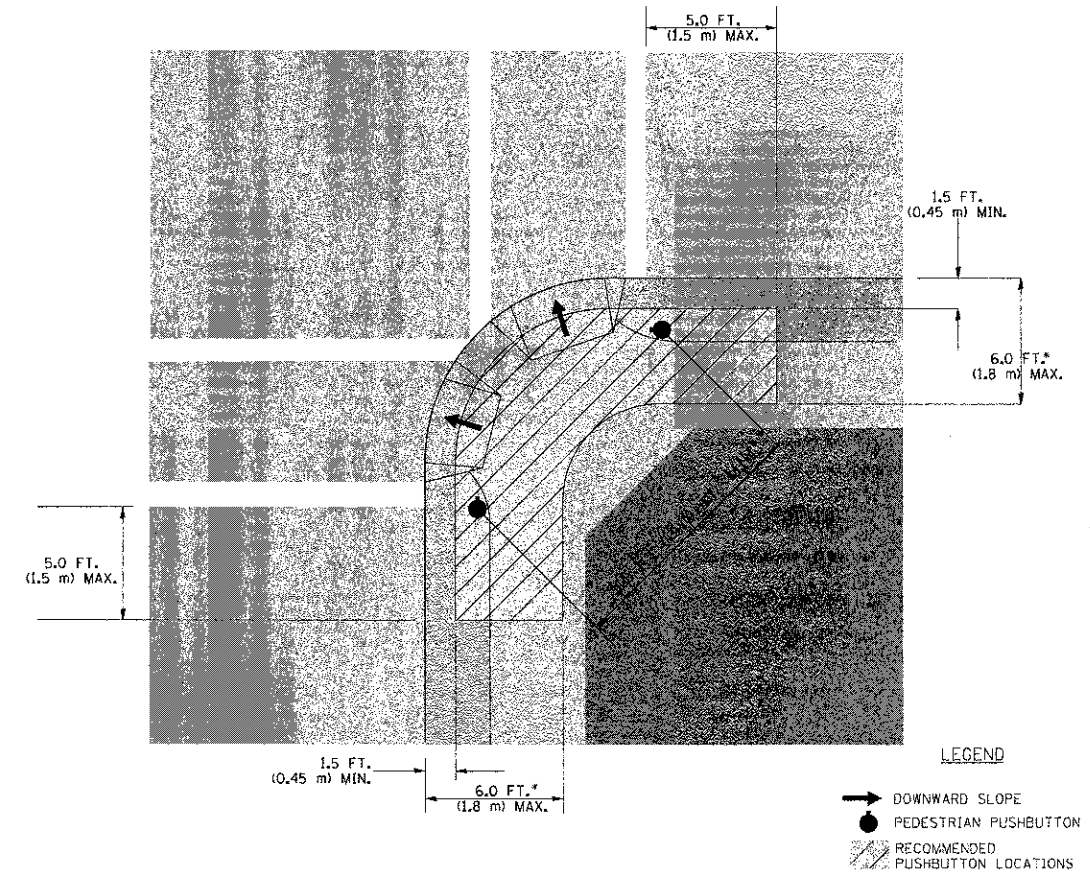


BACK OF CURB, BACK OF SHOULDER OR EDGE OF PAVEMENT (SEE SIGNAL PLANS)

NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

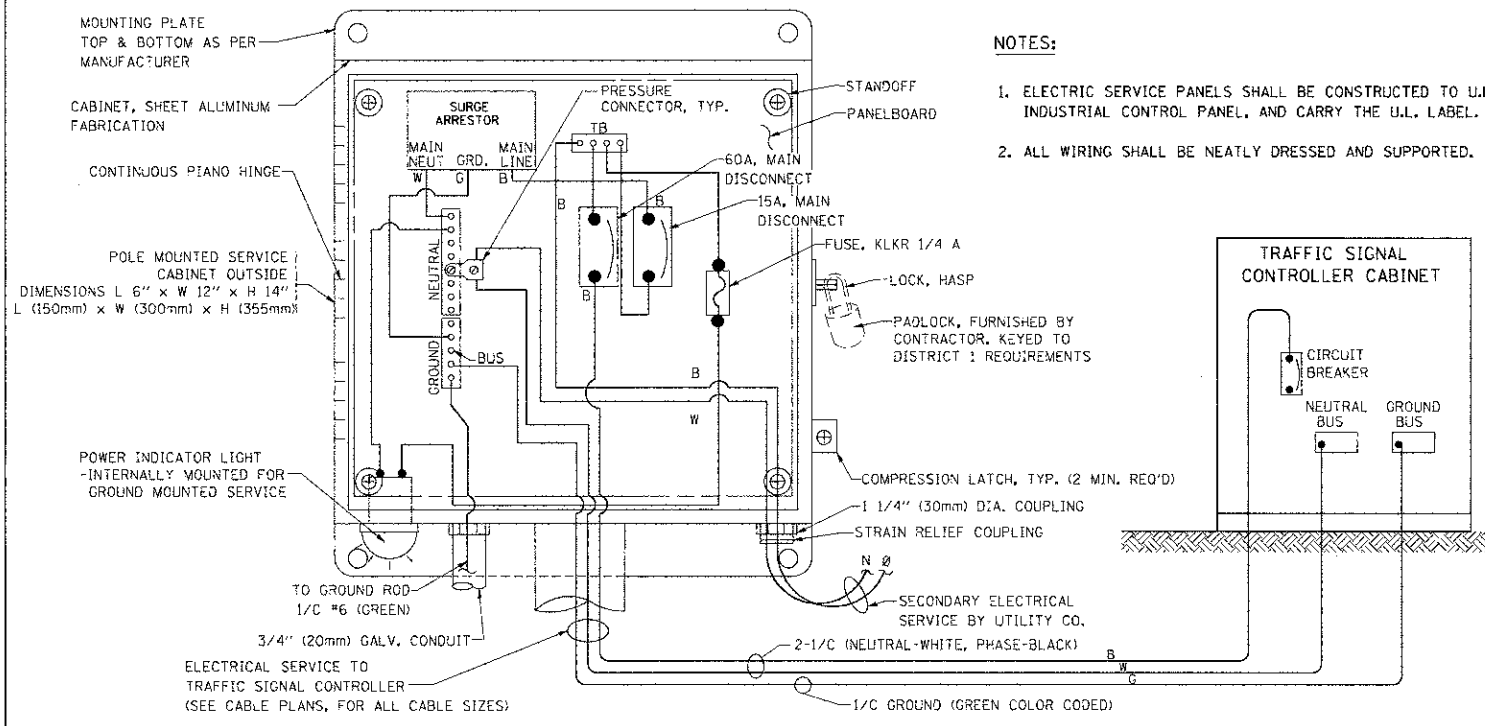
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

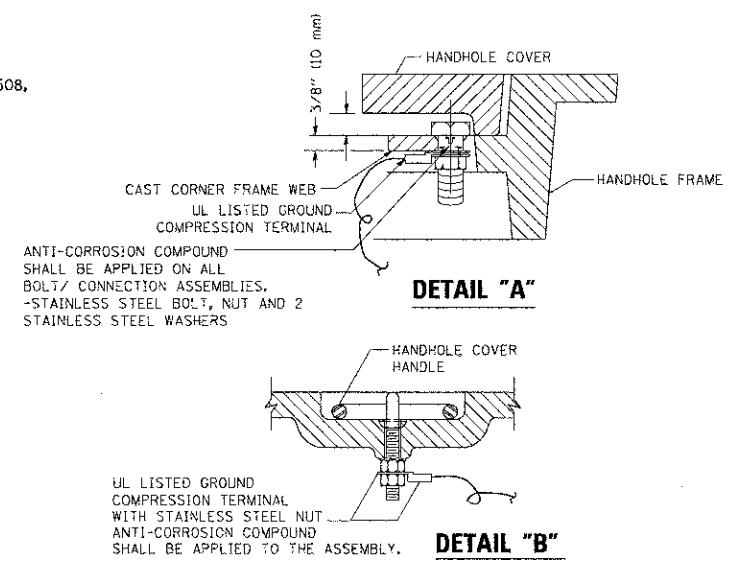
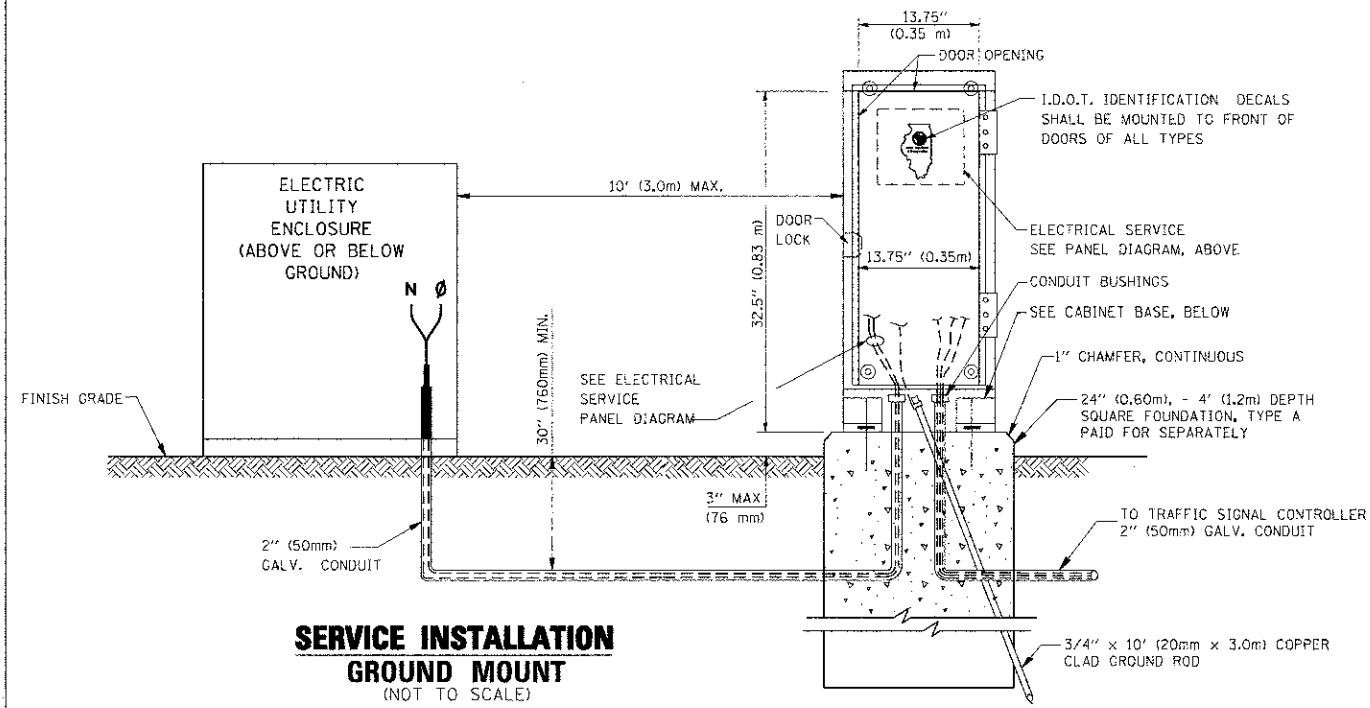
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

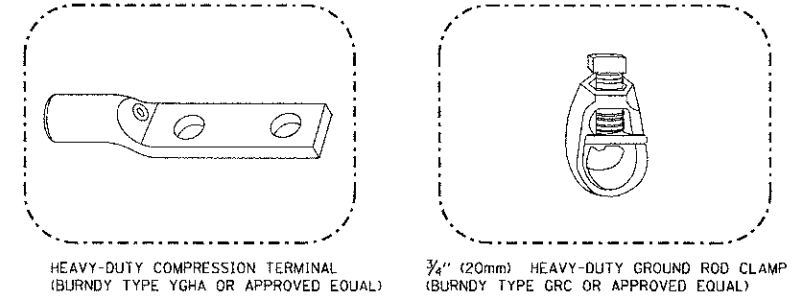
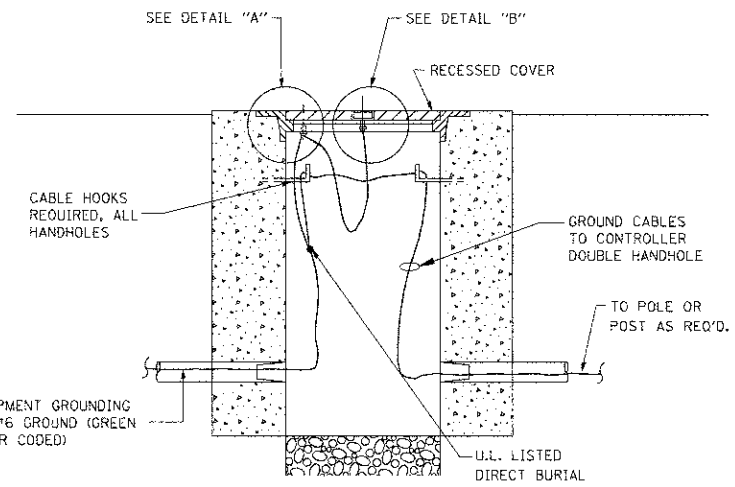


ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)

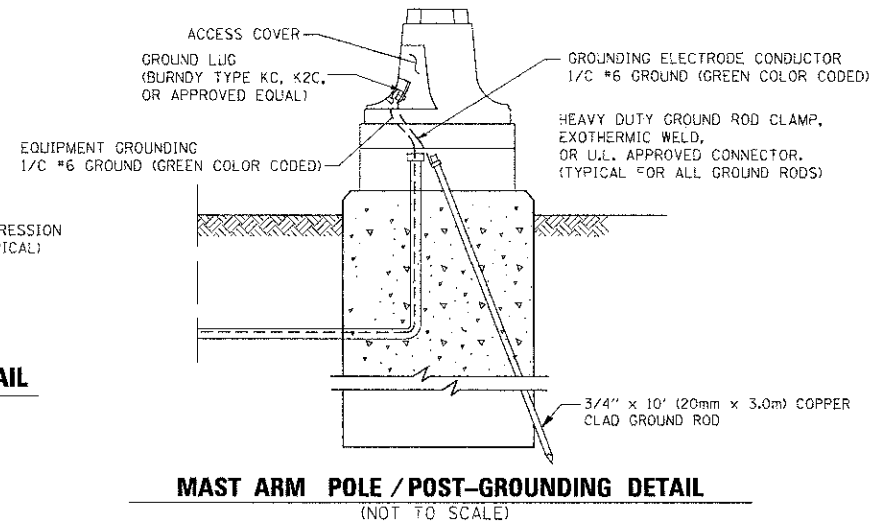
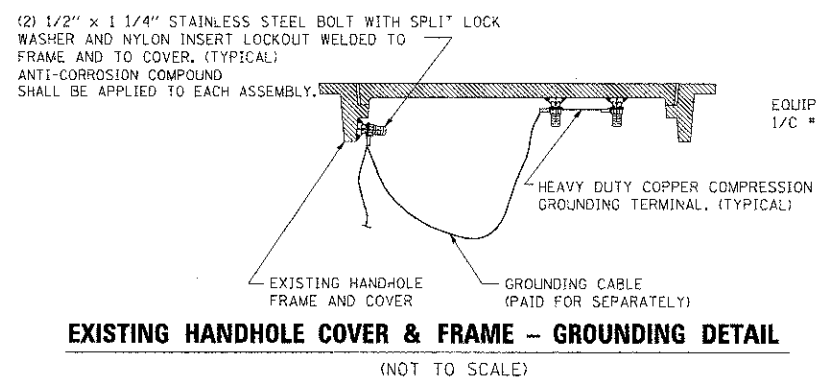


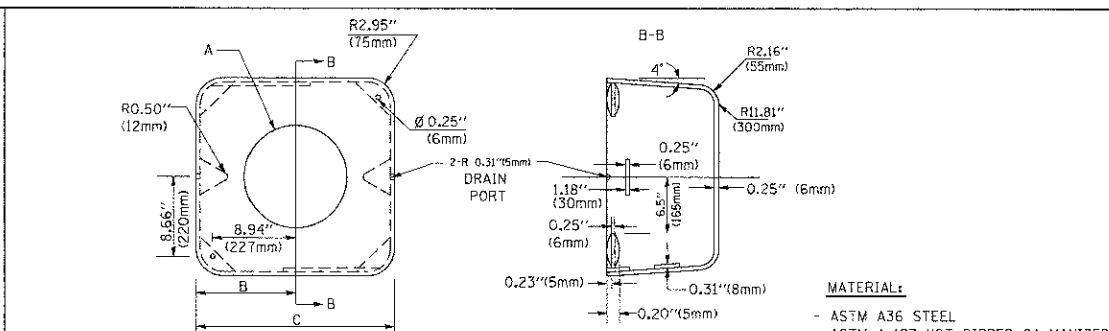
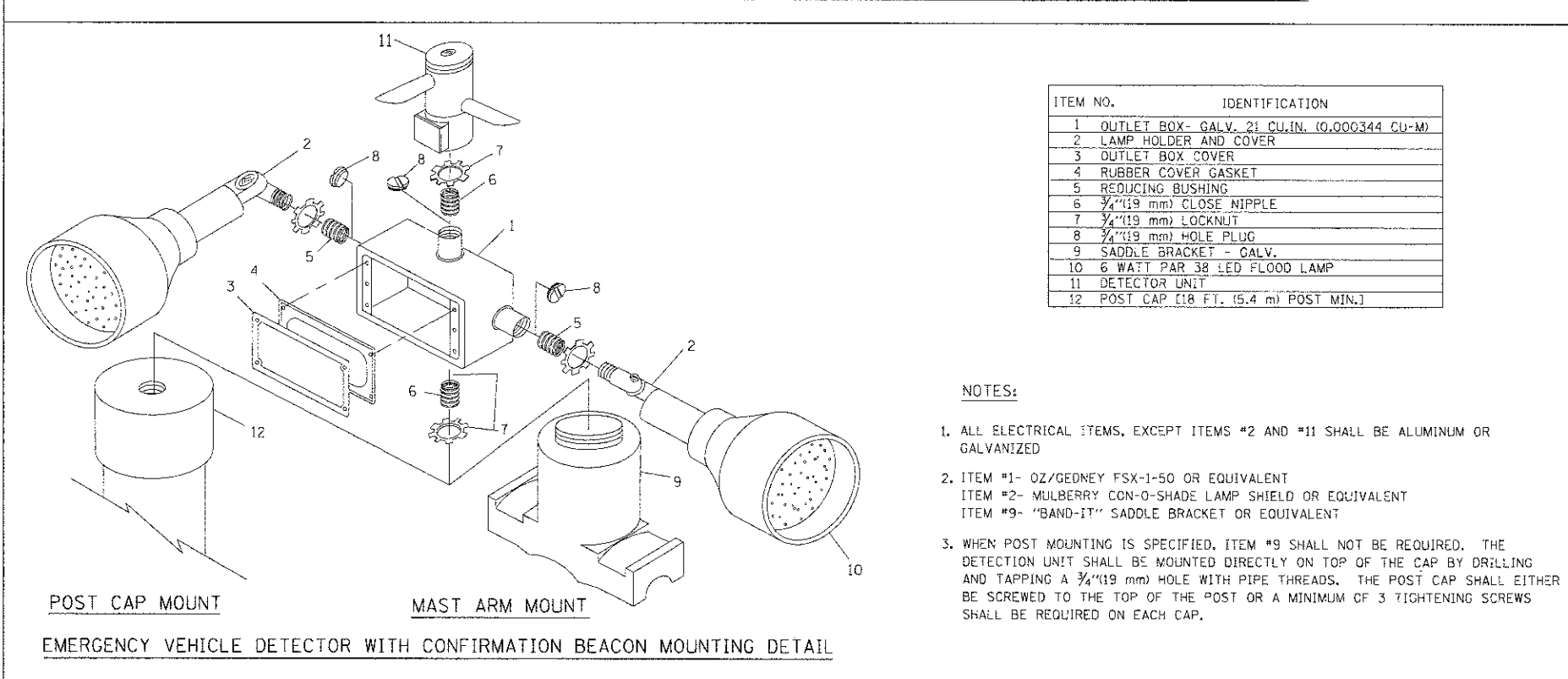
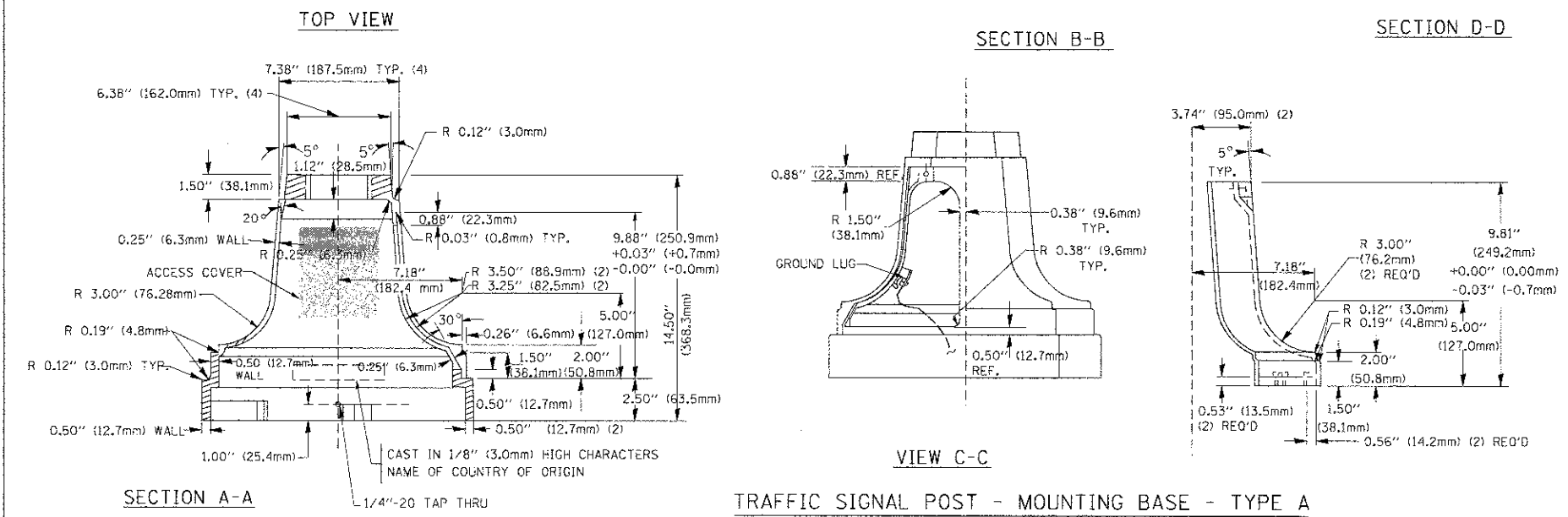
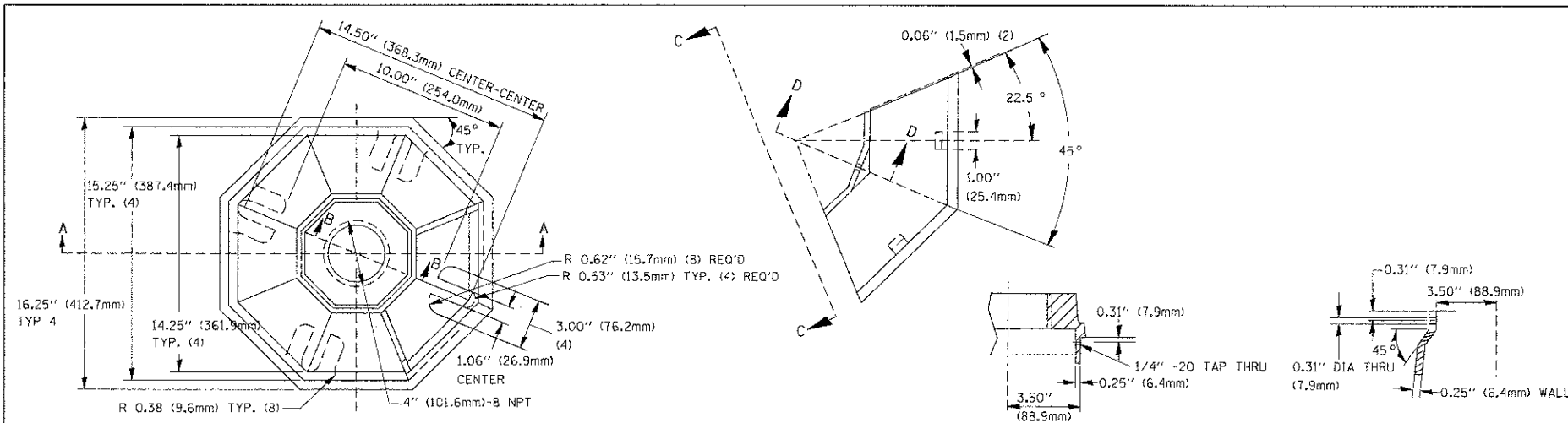
NOTES:
GROUNDING SYSTEM

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD, ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



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



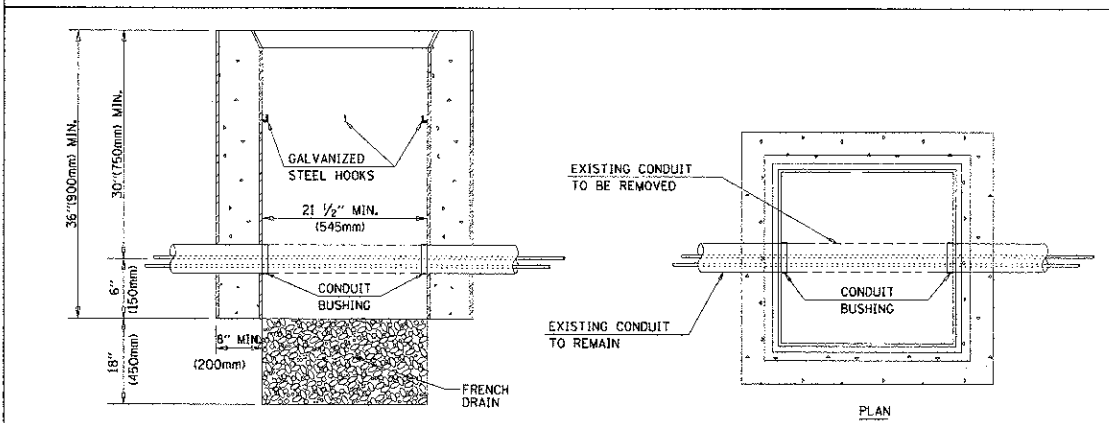
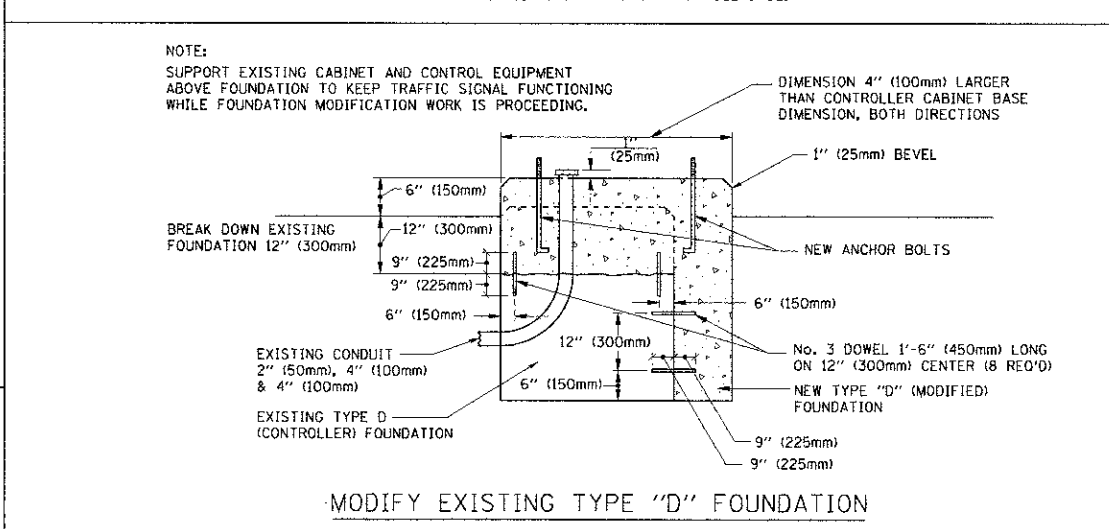


A	B	C	HEIGHT	WEIGHT
VARIES	9.5\" (241mm)	19\" (483mm)	7\" (178mm) - 12\" (300mm)	53 lbs (24kg)
VARIES	10.75\" (273mm)	21.5\" (546mm)	7\" (178mm) - 12\" (300mm)	68 lbs (31 kg)
VARIES	13.0\" (330mm)	26\" (660mm)	7\" (178mm) - 12\" (300mm)	81 lbs (37 kg)
VARIES	18.5\" (470mm)	37\" (940mm)	7\" (178mm) -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

SHROUD

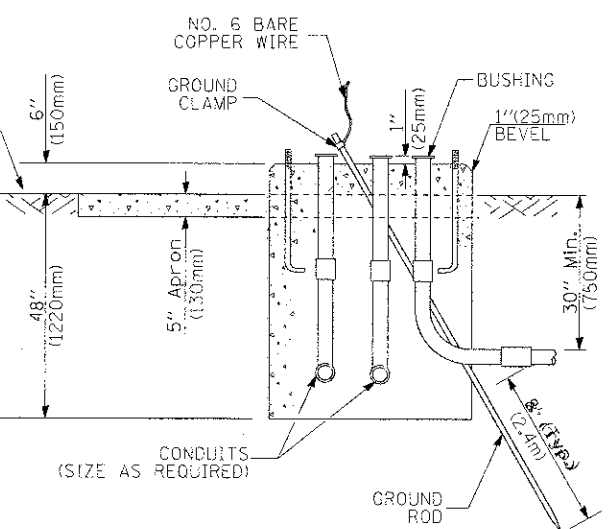
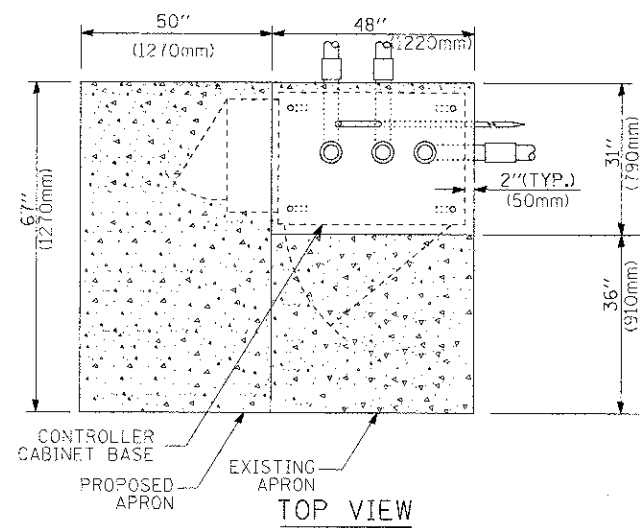
NOTES:

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

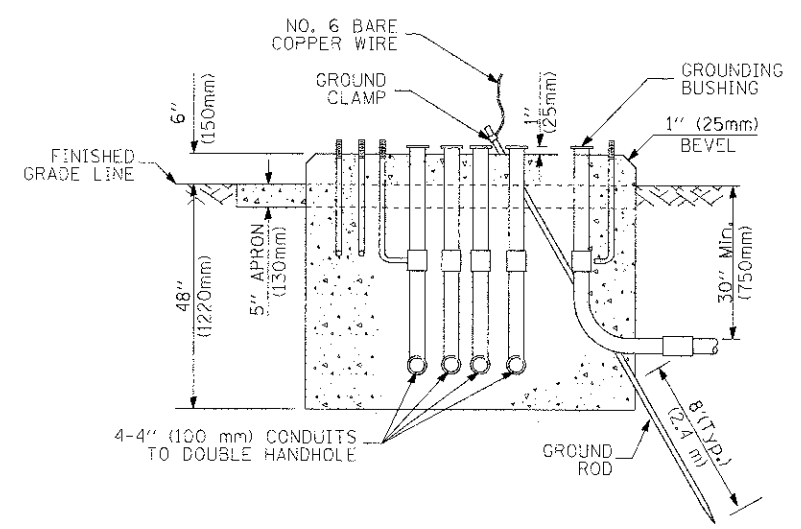
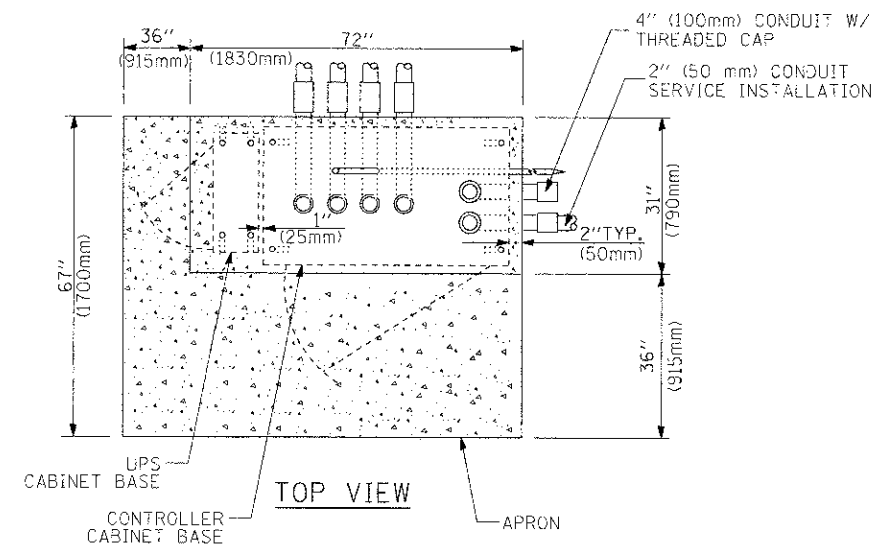


NOTES:

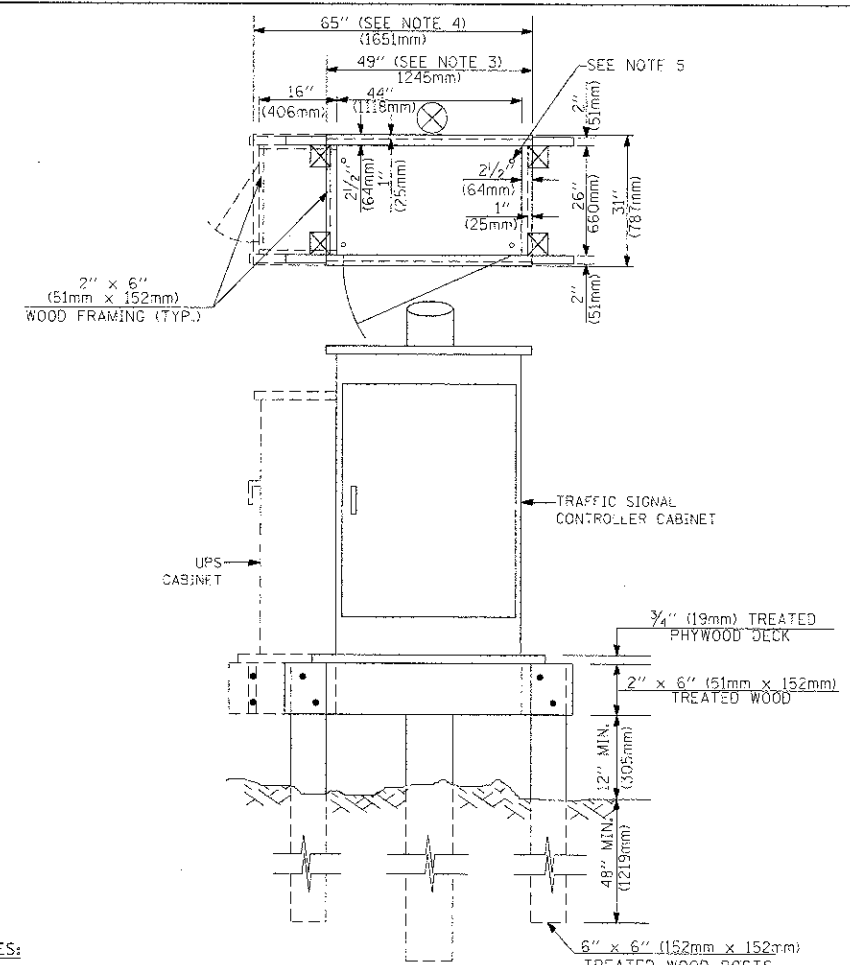
1. HAND-HOLE CONSTRUCTED PER STATE STANDARD 8140C1.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCIDENTAL TO THE HANDHOLE.



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



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



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

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

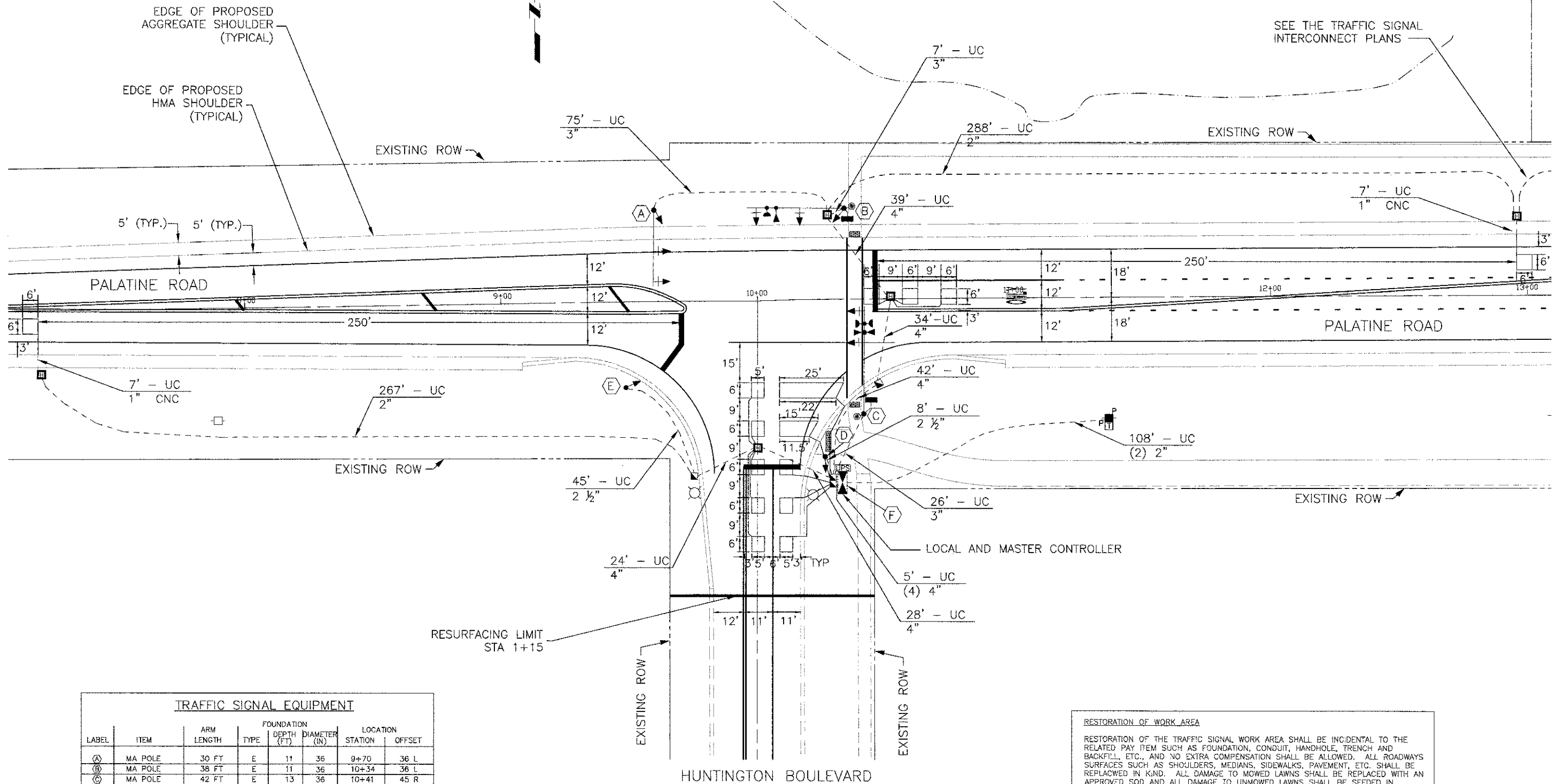
Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and up to 56' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

PLAN	DESIGNED	DATE
	NOTED	BY
	GRADES CHECKED	NO.
	ALIGNMENT CHECKED	
	CONSTRUCTION CHECKED	
	AS NOTED	
	NO.	

PROFILE	DESIGNED	DATE
	NOTED	BY
	GRADES CHECKED	NO.
	ALIGNMENT CHECKED	
	CONSTRUCTION CHECKED	
	AS NOTED	
	NO.	



TRAFFIC SIGNAL EQUIPMENT							
LABEL	ITEM	ARM LENGTH	FOUNDATION		LOCATION		
			TYPE	DEPTH (FT)	DIAMETER (IN)	STATION	OFFSET
(A)	MA POLE	30 FT	E	11	36	9+70	36 L
(B)	MA POLE	38 FT	E	11	36	10+34	36 L
(C)	MA POLE	42 FT	E	13	36	10+41	45 R
(D)	16 FT POST	-	A	4	24	10+20	61 R
(E)	16 FT POST	-	A	4	24	9+48	33 R
(F)	CONTROLLER	-	C	4	-	10+33	67 R

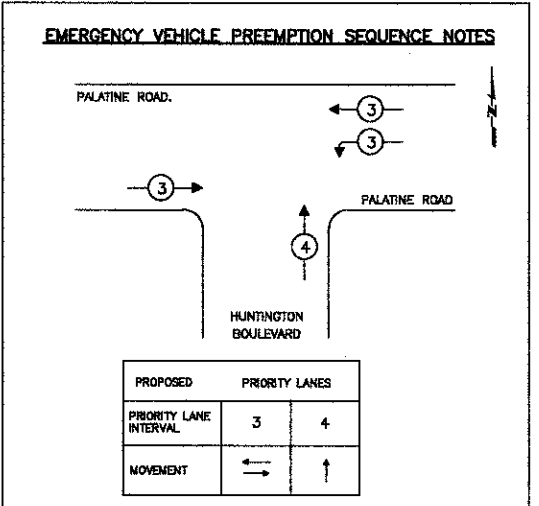
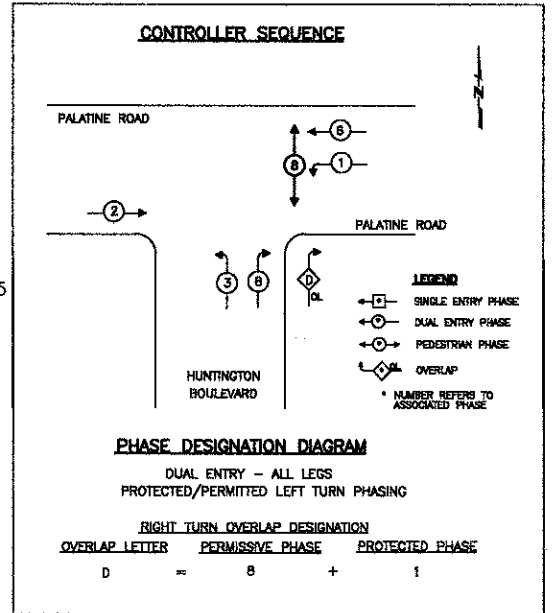
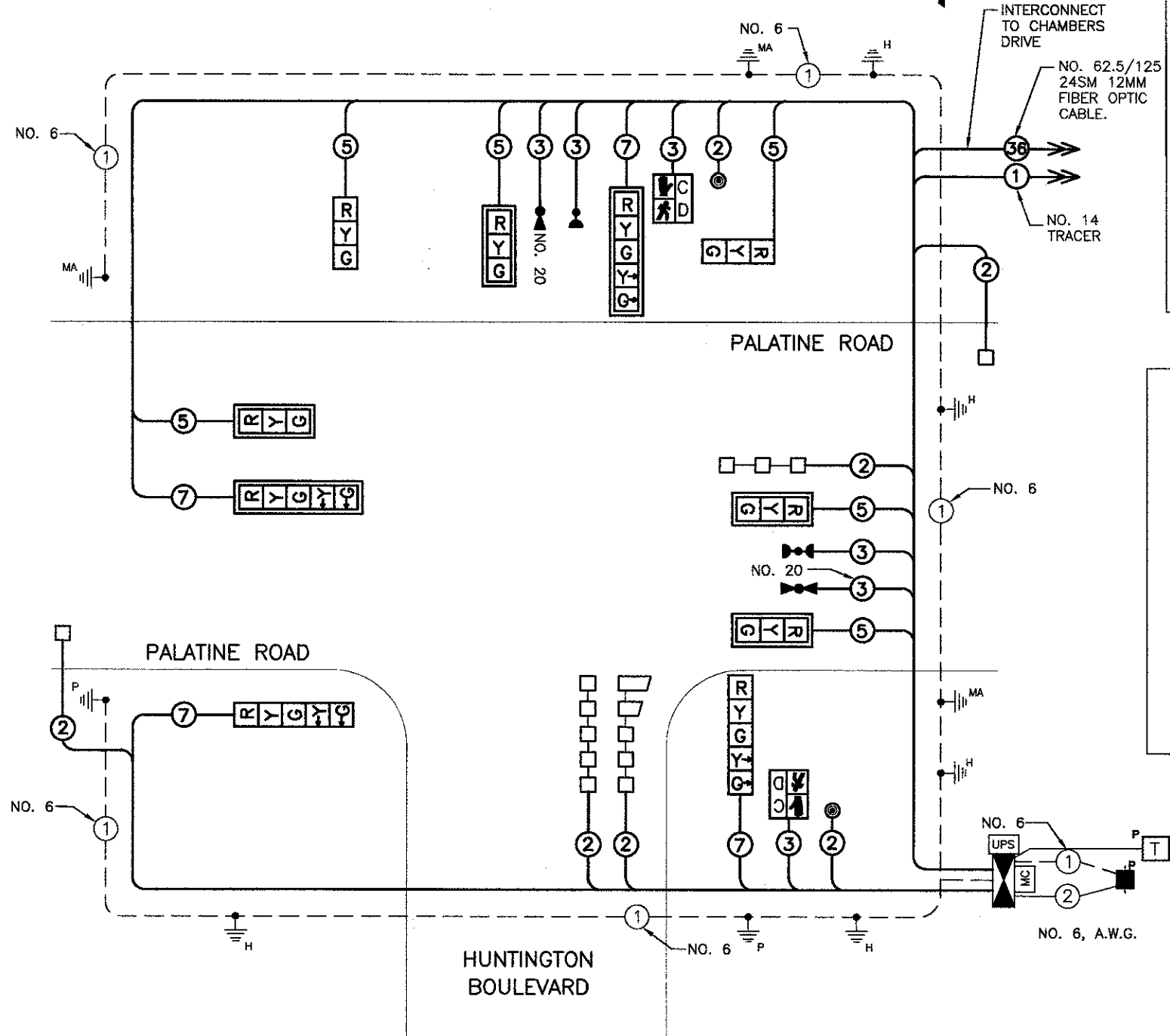
RESTORATION OF WORK AREA

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

SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	QTY
DETECTABLE WARNINGS	SQ FT	40
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	771
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	53
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	106
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	197
HANDHOLE	EACH	2
HEAVY-DUTY HANDHOLE	EACH	5
DOUBLE HANDHOLE	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1
MASTER CONTROLLER	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	228
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	560
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1116
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	679
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1134
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	129
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	586
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	8
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	35
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	6
INDUCTIVE LOOP DETECTOR	EACH	5
DETECTOR LOOP, TYPE I	FOOT	710
LIGHT DETECTOR	EACH	3
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	2
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	318
UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1

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



CABLE PLAN
 NOT TO SCALE

- CONSTRUCTION NOTES:**
- CONTRACTOR TO INSTALL NEW PEDESTRIAN HEAD, LED, 1-FACE WITH COUNTDOWN TIMER AND NEW PEDESTRIAN PUSH-BUTTON, LED (LATCHING TYPE).

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE	% OPERATION		
		INCAND.	LED		
SIGNAL (RED)	10		17	0.50	85.00
(YELLOW)	10		25	0.25	62.50
(GREEN)	10		15	0.25	37.50
ARROW	8		12	0.10	9.60
PED SIGNAL	2		25	1.00	50.00
CONTROLLER	2		100	1.00	200.00
TOTAL =					444.60

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 W. CENTER COURT
 SCHAUMBURG, IL 60196

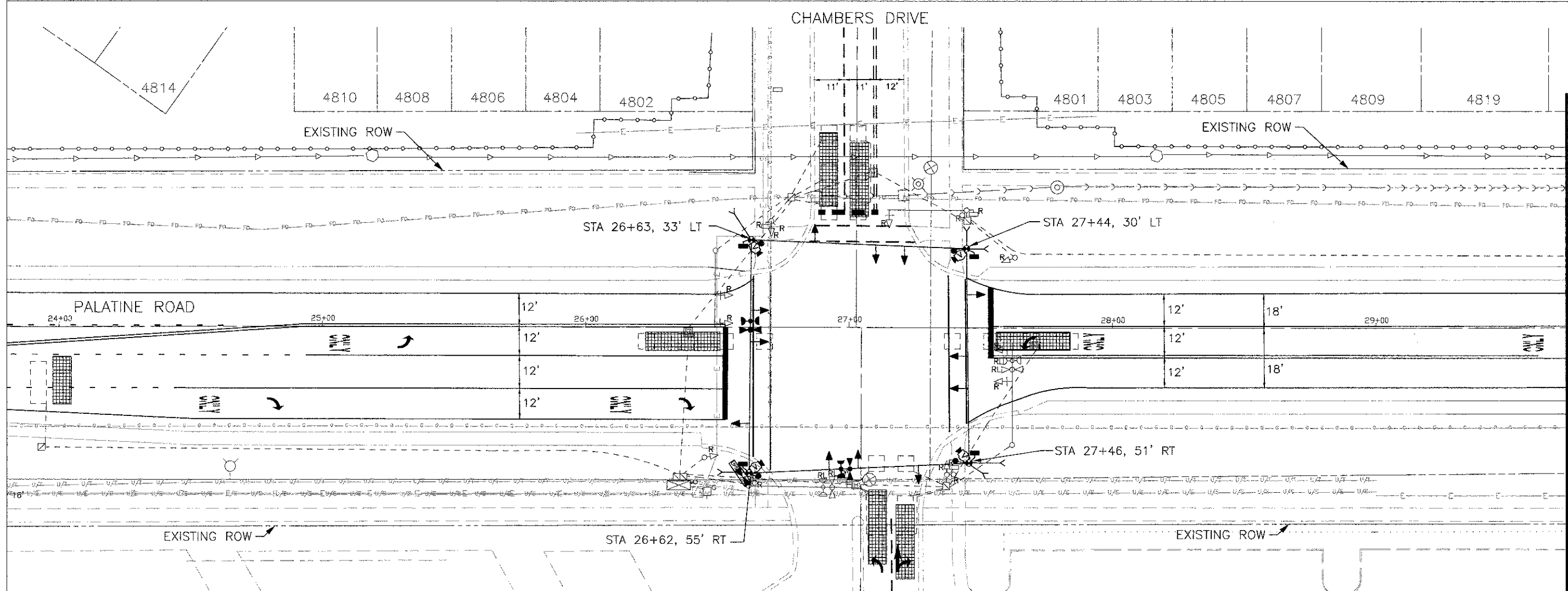
ENERGY SUPPLY CONTACT: XX
 PHONE: YY
 COMPANY: COMMONWEALTH EDISON

PLAN
 REVISIONS
 NO. DATE BY

PROFILE
 REVISIONS
 NO. DATE BY

PLAN	SUBMITTED	DATE	BY
	PLOTTED		
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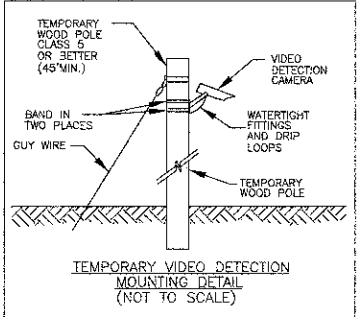
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- NOTES FOR TEMPORARY TRAFFIC SIGNALS:**
- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
 - ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
 - ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN ACABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
 - ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
 - ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROLLER EQUIPMENT.
 - THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
 - UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
 - TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
 - DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF THE DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
 - WHEN PAN, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

RESTORATION OF WORK AREA

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

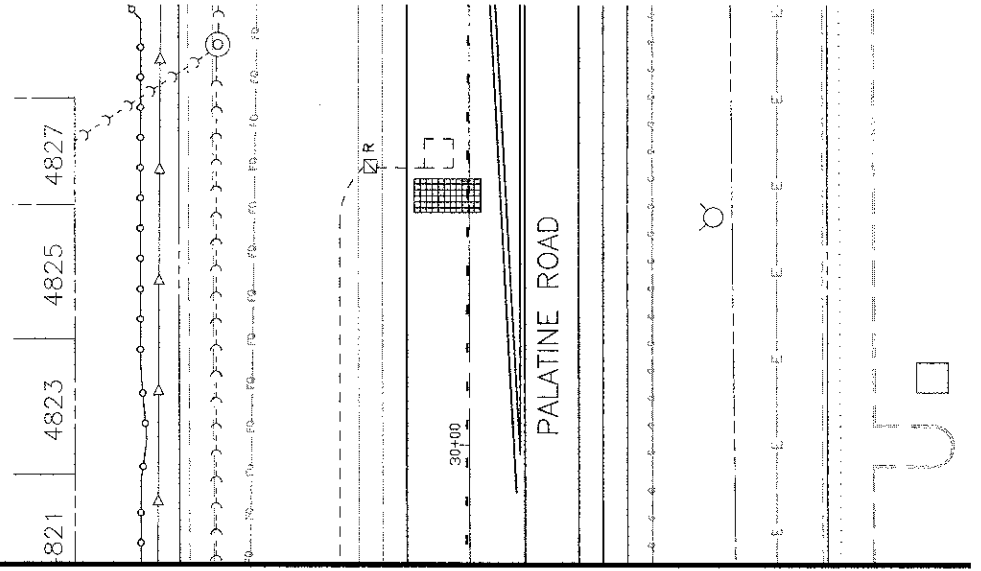


THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED ITEMS SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- EACH CONTROLLER AND CABINET (COMPLETE)
- EACH SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
- EACH SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED
- EACH SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED
- EACH SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED
- EACH TRAFFIC SIGNAL BACKPLATE
- EACH PEDESTRIAN SIGNAL HEAD, 1-FACE
- EACH PEDESTRIAN PUSH-BUTTON

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE RELOCATED TO THE PROPOSED PERMANENT TRAFFIC SIGNAL INSTALLATION. THE CONTRACTOR SHALL SAFELY STORE ALL EQUIPMENT TO BE RELOCATED TO THE PROPOSED SIGNALS AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- EACH LIGHT DETECTOR AMPLIFIER
- EACH LIGHT DETECTOR AND BEACON



FILE NAME = SIGNALS.DWG	DESIGNED --	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	Palatine Road Widening STP Project Temporary Traffic Signal & Removal Plan - Palatine Road & Chambers Drive		F.A.U. RTE. 1285	SECTION 09-00082-00-CH	COUNTY Cook	TOTAL SHEETS 97	SHEET NO. 69	
	DRAWN --	REVISED --		SCALE: 1"=20'	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		CONTRACT NO. 63749		
	CHECKED --	REVISED --		ILLINOIS FED. AID PROJECT CMM 0003(492)							
	DATE --	REVISED --									

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	NO. _____	
	NO. _____	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	NO. _____	
	NO. _____	

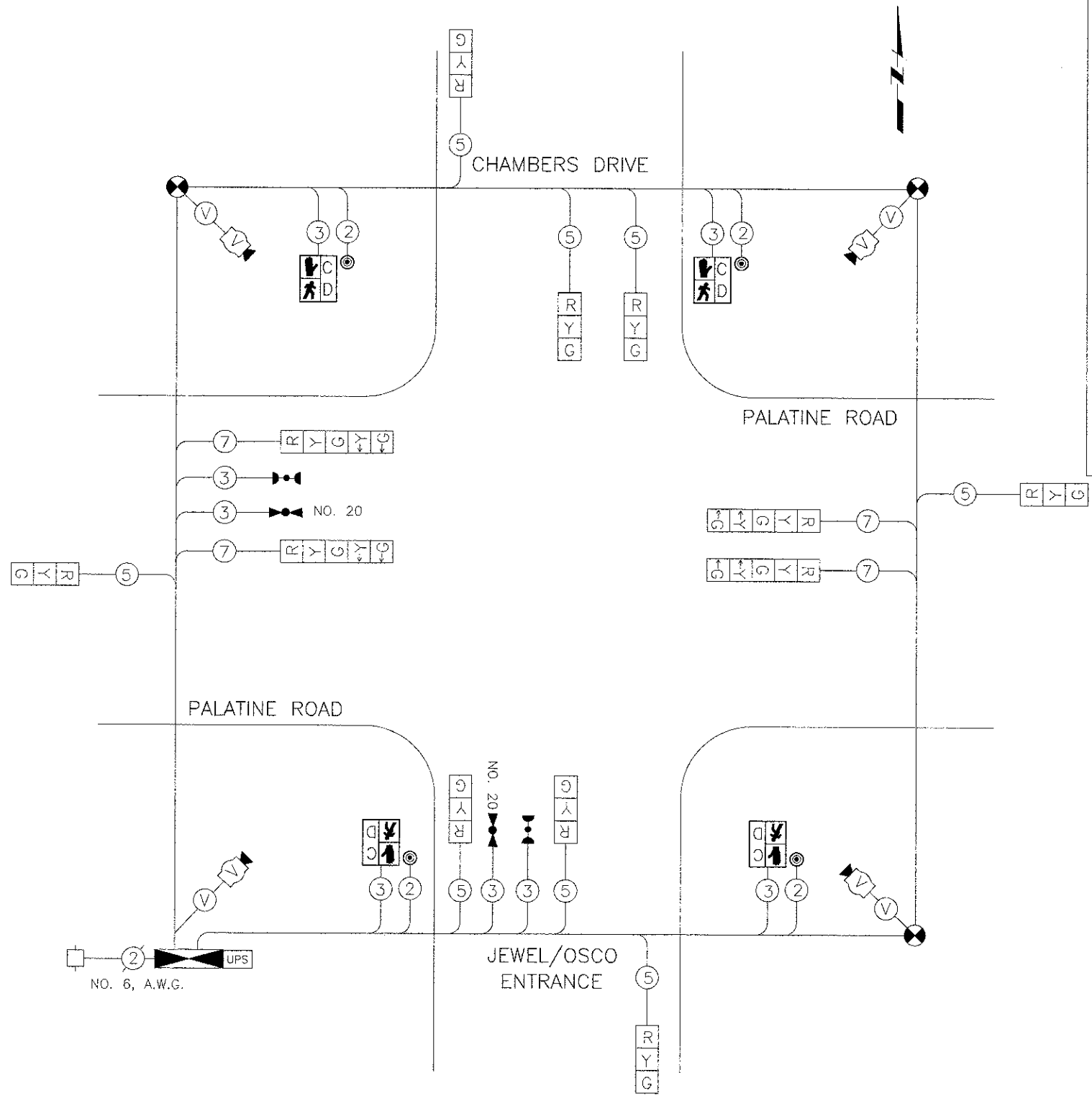
RESTORATION OF WORK AREA

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

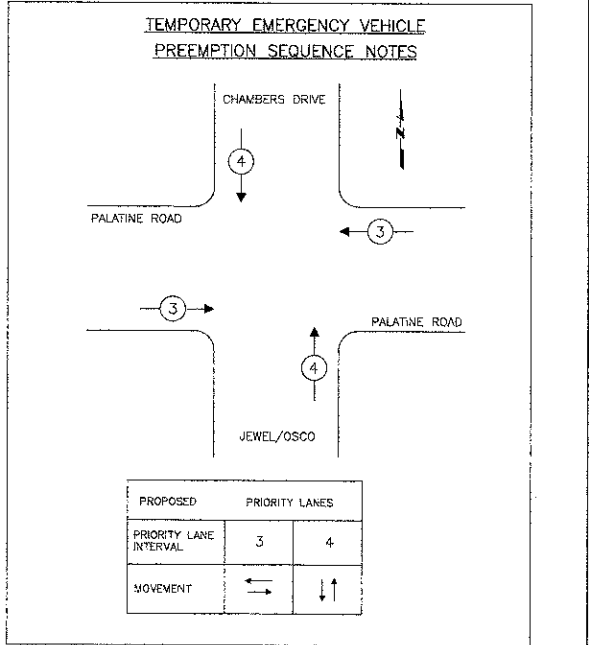
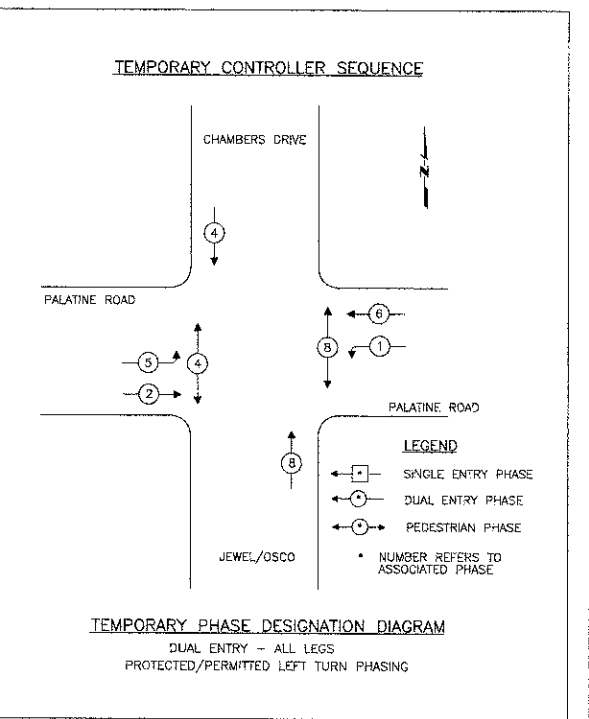
I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
SIGNAL (RED)	12	INCAND.	LED	0.50	102.00
	(YELLOW)	12		0.25	75.00
(GREEN)	12		15	0.25	45.00
ARROW	8		12	0.10	9.60
PED SIGNAL	4		25	1.00	100.00
CONTROLLER	1		100	1.00	100.00
VIDEO DET.	1		25	1.00	25.00
TOTAL =					456.60

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, IL 60196

ENERGY SUPPLY CONTACT: XX
PHONE: YY
COMPANY: COMMONWEALTH EDISON

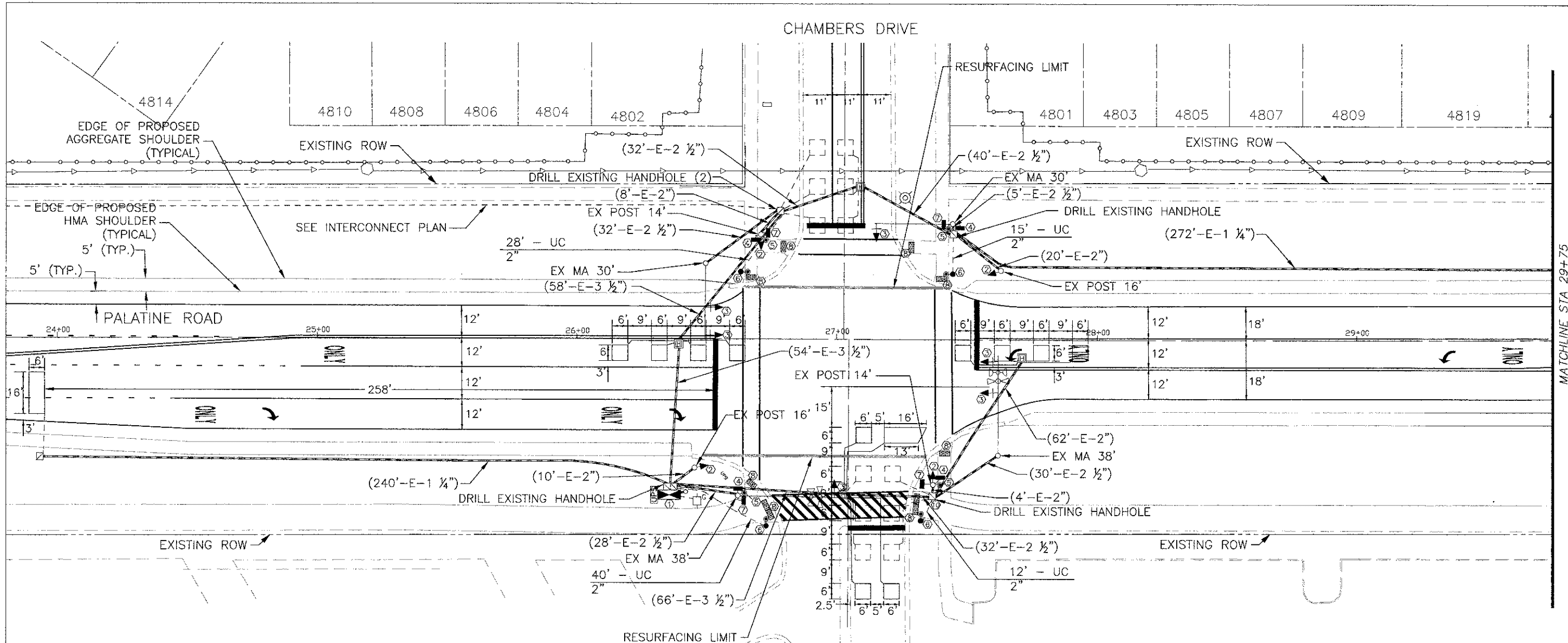


TEMPORARY CABLE PLAN
NOT TO SCALE



PLAN	DATE	BY
NOTED		
ALIGNED		
CHECKED		
BY		
NO.		

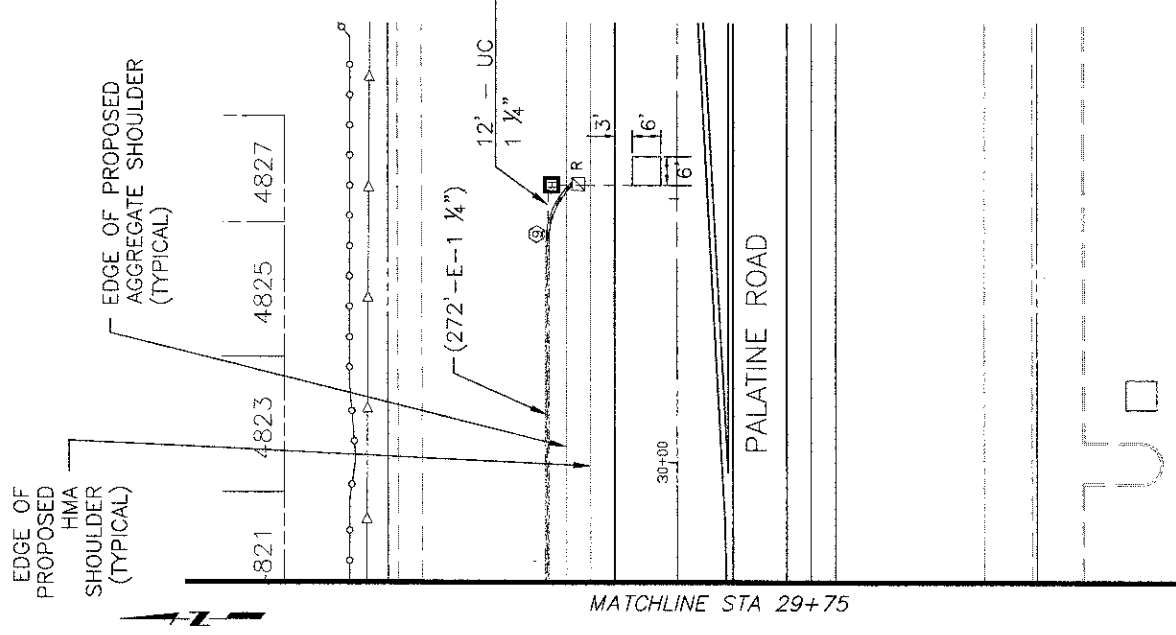
PROFILE	DATE	BY
NOTED		
GRADES		
CHECKED		
BY		
NO.		



RESTORATION OF WORK AREA

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

- CONSTRUCTION NOTES:**
- ① INSTALL NEW CONTROLLER AND CABINET ON EXISTING FOUNDATION. ADD UPS.
 - ② REMOVE EXISTING SIGNAL HEAD AND INSTALL NEW LED SIGNAL HEAD
 - ③ REMOVE EXISTING SIGNAL HEAD AND INSTALL NEW LED SIGNAL HEAD ON EXISTING MAST ARM.
 - ④ REMOVE EXISTING PEDESTRIAN SIGNAL HEAD AND INSTALL NEW LED SIGNAL HEAD WITH COUNTDOWN TIMER.
 - ⑤ REMOVE EXISTING PEDESTRIAN PUSHBUTTON AND REPLACE WITH NEW.
 - ⑥ INSTALL NEW PEDESTRIAN PUSHBUTTON(S) AND 5 FT PEDESTRIAN PUSHBUTTON POST(S) WITH TYPE "A" FOUNDATION.
 - ⑦ INSTALL NEW PEDESTRIAN SIGNAL HEAD, LED, WITH COUNTDOWN TIMER.
 - ⑧ INSTALL DETECTABLE WARNING(S)
 - ⑨ SPLICE PROPOSED AND EXISTING CONDUIT TO LEAD INTO THE PROPOSED HEAVY DUTY HANDHOLE.
 - ⑩ ADJUST EXISTING HANDHOLE TO BE FLUSH WITH PROPOSED BIKEPATH SURFACE.



FILE NAME = SIGNALS.DWG	DESIGNED --	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	Palatine Road Widening STP Project Traffic Signal Modernization Plan - Palatine Road & Chambers Drive		F.A.U. RTE. 1285	SECTION 09-00082-00-CH	COUNTY Cook	TOTAL SHEETS 97	SHEET NO. 71
	DRAWN --	REVISED --		SCALE: 1"=20'	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 63749		
	CHECKED --	REVISED --		ILLINOIS FED. AID PROJECT CMM 9003(492)						
	DATE --	REVISED --								

SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	QTY
DETECTABLE WARNINGS	SQ FT	100
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	95
HEAVY-DUTY HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	L SUM	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
TRANSCIVER - FIBER OPTIC	EACH	1
GROUNDING EXISTING HANDHOLE FRAME AND COVER	EACH	3
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	638
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	627
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	593
PEDESTRIAN PUSH-BUTTON POST	EACH	4
CONCRETE FOUNDATION, TYPE A	FOOT	16
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	6
DETECTOR LOOP, TYPE I	FOOT	489
PEDESTRIAN PUSH-BUTTON	EACH	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	1
HANDHOLE TO BE ADJUSTED	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1

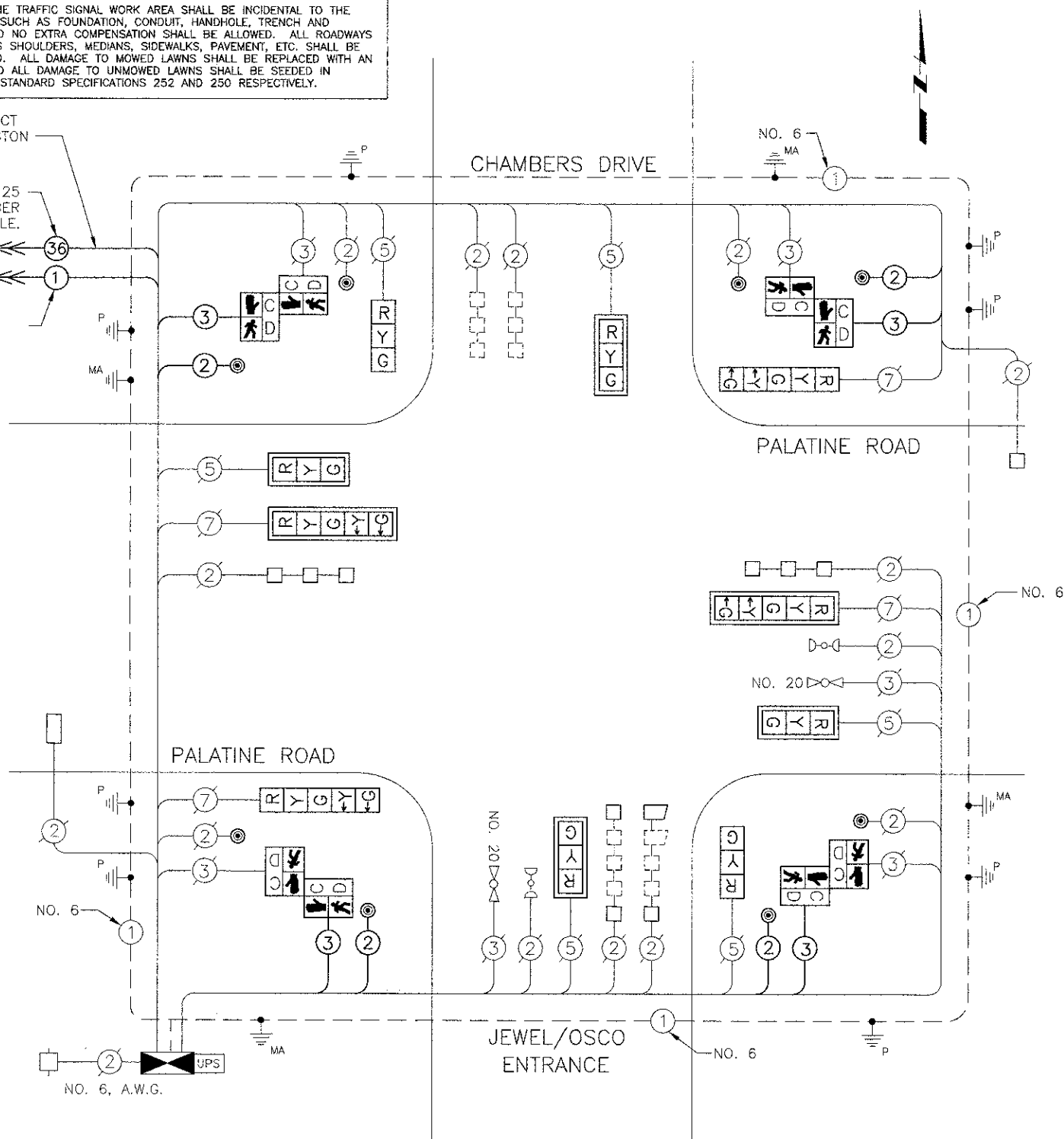
RESTORATION OF WORK AREA

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

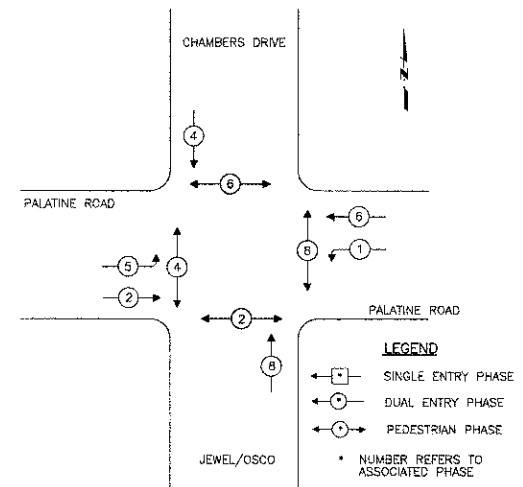
INTERCONNECT TO HUNTINGTON BOULEVARD

NO. 62.5/125 24SM 12MM FIBER OPTIC CABLE.

NO. 14 TRACER

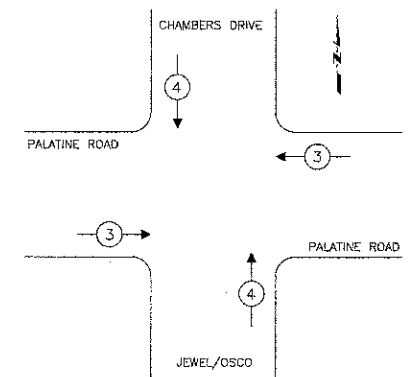


CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM
DUAL ENTRY - ALL LEGS
PROTECTED/PERMITTED LEFT TURN PHASING

EMERGENCY VEHICLE PREEMPTION SEQUENCE NOTES



PLAN SURVEYED, PLOTTED, CHECKED, AND FILED BY: [Name]
NOTE BOOK NO. [Number]
DATE: [Date]

PROFILE SURVEYED, PLOTTED, CHECKED, AND FILED BY: [Name]
NOTE BOOK NO. [Number]
DATE: [Date]

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
SIGNAL (RED)	10	INCAND.	17	0.50	85.00
	(YELLOW)		25	0.25	62.50
	(GREEN)	10	15	0.25	37.50
ARROW	8		12	0.10	9.60
PED SIGNAL	8		25	1.00	200.00
CONTROLLER	1		100	1.00	100.00
TOTAL =					494.60

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, IL 60196

ENERGY SUPPLY CONTACT: XX
PHONE: YY
COMPANY: COMMONWEALTH EDISON

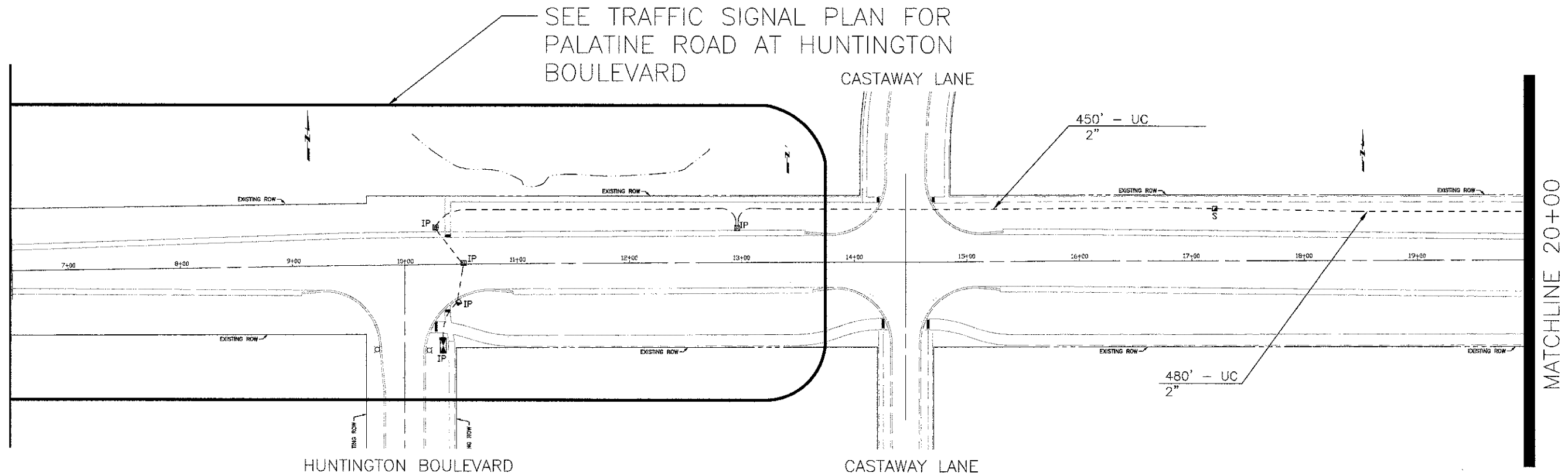
CABLE PLAN

NOT TO SCALE

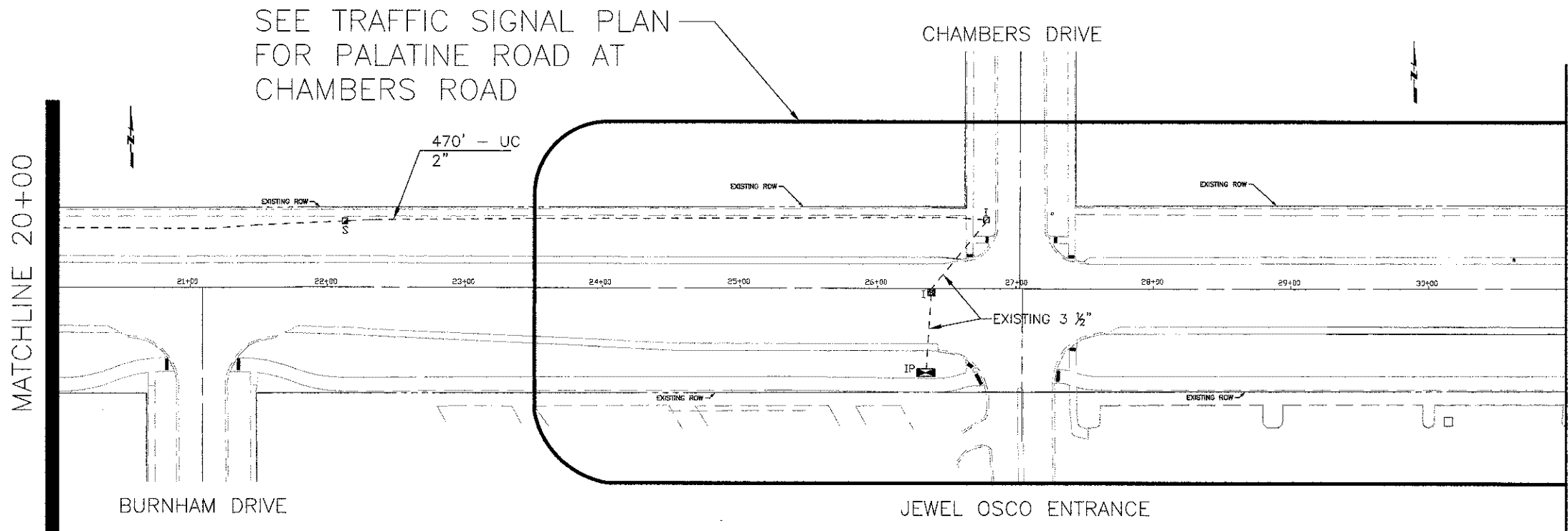
CONSTRUCTION NOTES:

- CONTRACTOR TO INSTALL NEW PEDESTRIAN HEAD, LED, 2-FACE WITH COUNTDOWN TIMER AND NEW PEDESTRIAN PUSH-BUTTON, LED (LATCHING TYPE).
- CONTRACTOR TO INSTALL NEW 5 FT PEDESTRIAN PUSH-BUTTON POST WITH TYPE "A" FOUNDATION AS SHOWN ON THE PLANS TO MEET ADA/MUTCD REQUIREMENTS.
- RETROFIT EXISTING SIGNAL HEAD WITH NEW LED MODULES.

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



PROFILE	STARTED	DATE	BY
NO.	NO.	NO.	NO.
NO.	NO.	NO.	NO.
NO.	NO.	NO.	NO.

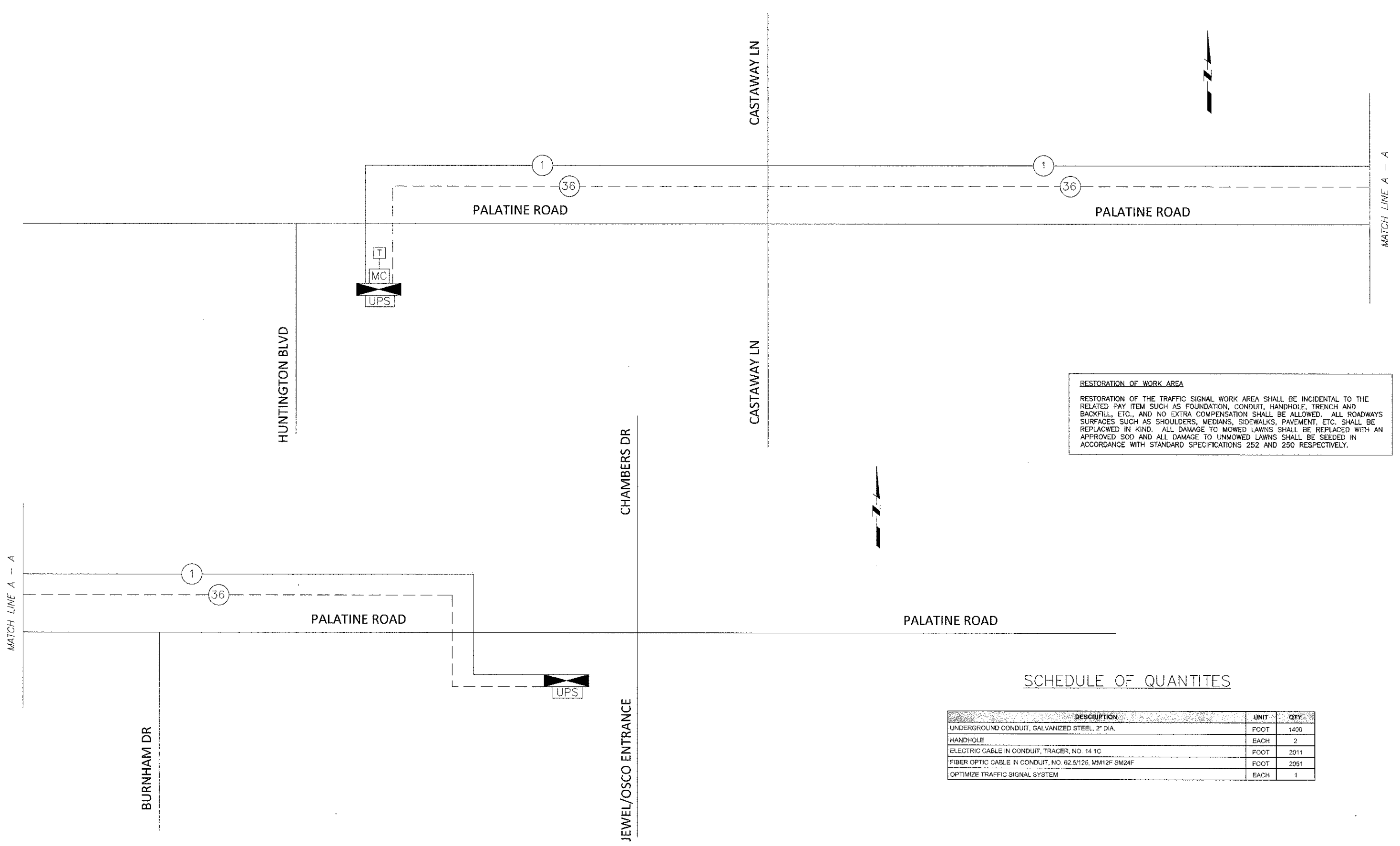


RESTORATION OF WORK AREA
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FILE NAME = SIGNALS.DWG	DESIGNED --	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	Palatine Road Widening STP Project Interconnect Plan - Palatine Road	F.A.U. RTE. 1285	SECTION 09-00082-00-CH	COUNTY Cook	TOTAL SHEETS 97	SHEET NO. 73	
	DRAWN --	REVISED --			SCALE: 1"=50'	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	CONTRACT NO. 63749		
	CHECKED --	REVISED --			ILLINOIS FED. AID PROJECT CMM 9003(492)					
	DATE --	REVISED --								

PLAN	SURVEYED	DATE	BY
	PLOTTED		
	ALIGNED		
	CHECKED		
	CONSTRUCTED		
	CADISTE NAME		
	NO.		

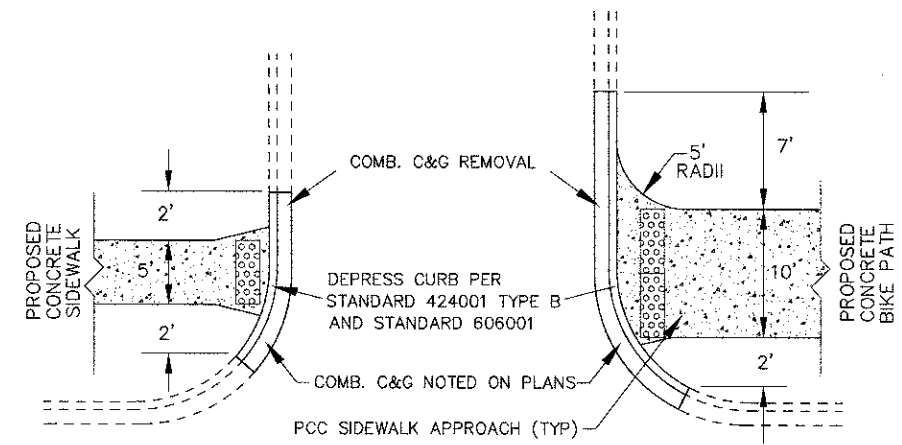
PROFILE	SURVEYED	DATE	BY
	PLOTTED		
	ALIGNED		
	CHECKED		
	CONSTRUCTED		
	NOTATION CHKO		
	NO.		



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

SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1400
HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	2011
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	2051
OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1



PROPOSED DEPRESSED CURB & GUTTER
EXIST. CURB & GUTTER NOT DEPRESSED

TYPICAL PCC SIDEWALK
APPROACH FOR BIKE PATH

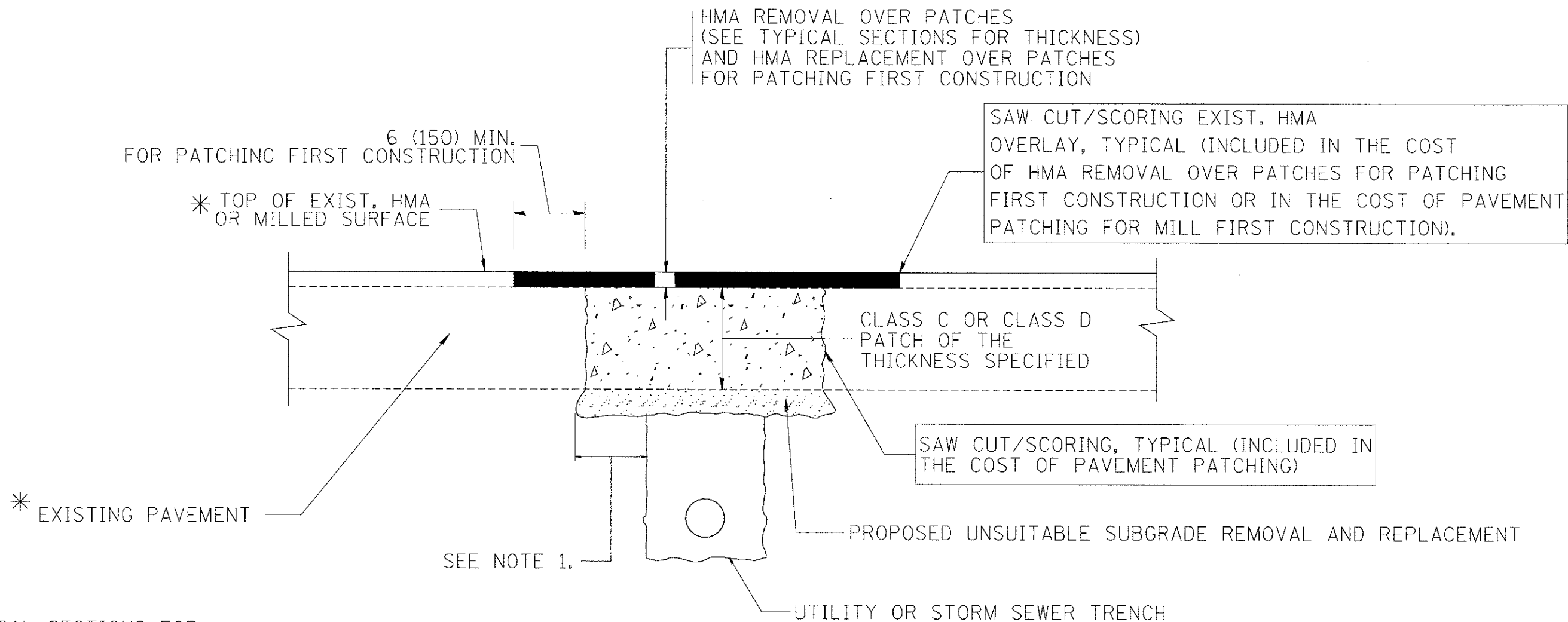
FILE NAME = DETAILS.DWG	DESIGNED --	REVISED --
	DRAWN --	REVISED --
	CHECKED --	REVISED --
	DATE --	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Palatine Road Widening STP Project
 Details

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	75
CONTRACT NO. 63749			ILLINOIS FED. AID PROJECT CMM 9003(492)	



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

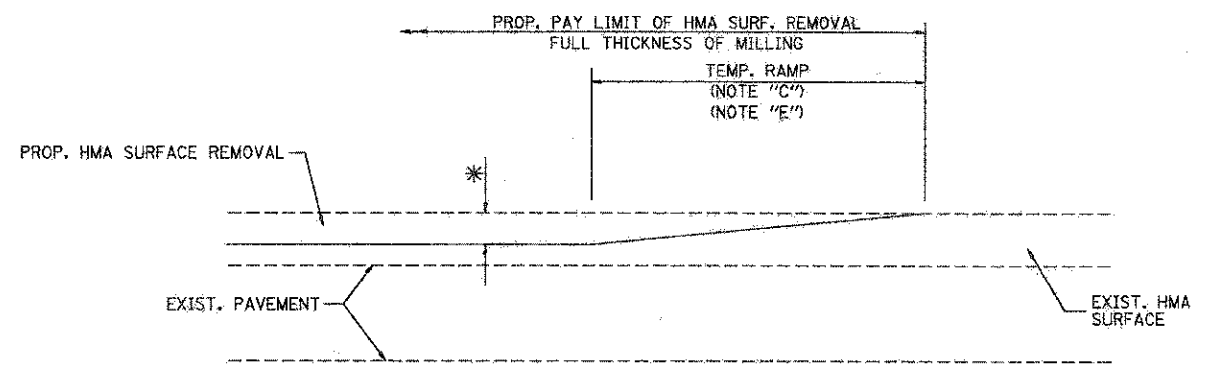
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

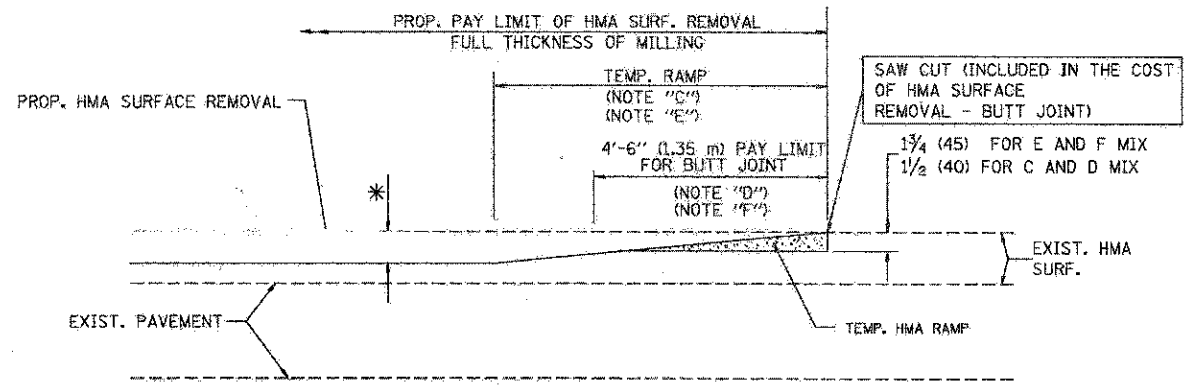
1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

FILE NAME = c:\projects\distatd22x34\bd22.dgn	USER NAME = bauerd!	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A.U. RTE. 1285	SECTION 09-00082-00-CH	COUNTY Cook	TOTAL SHEETS 97	SHEET NO. 76
	PLOT SCALE = 50.000' / IN.	DRAWN -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	BD400-04 (BD-22)		CONTRACT NO. 63749	
	PLOT DATE = 10/27/2008	CHECKED -	REVISED - R. BORO 09-04-07		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CMM 9003(492)							
		DATE - 10-25-94	REVISED - K. ENG 10-27-08									

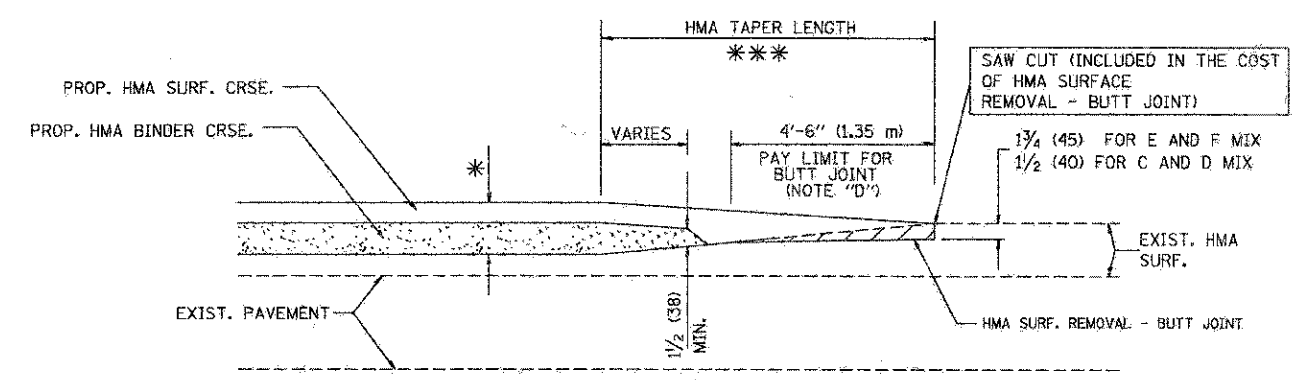


OPTION 1
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

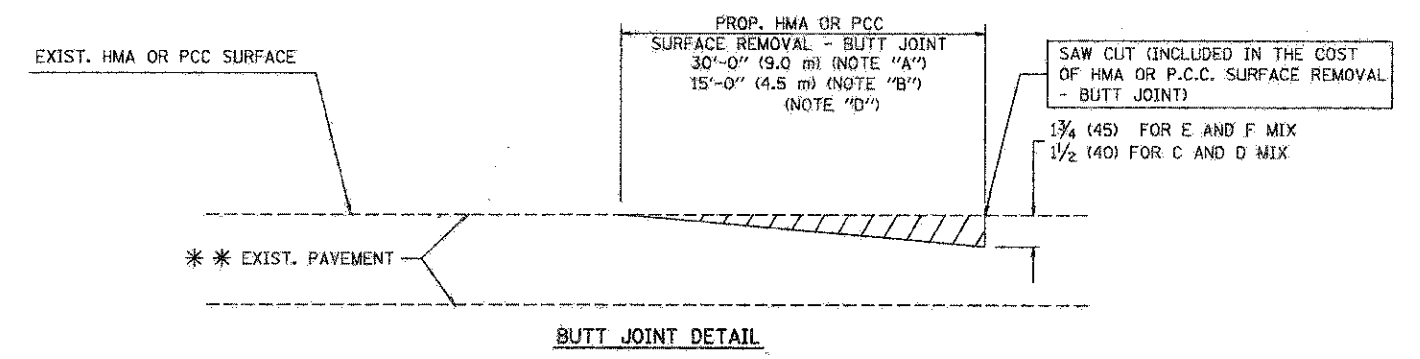


OPTION 2
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

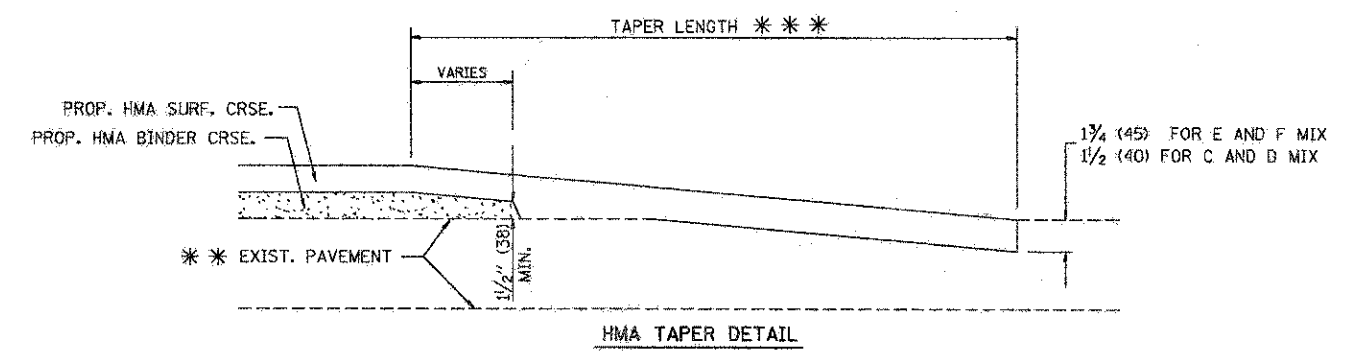
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

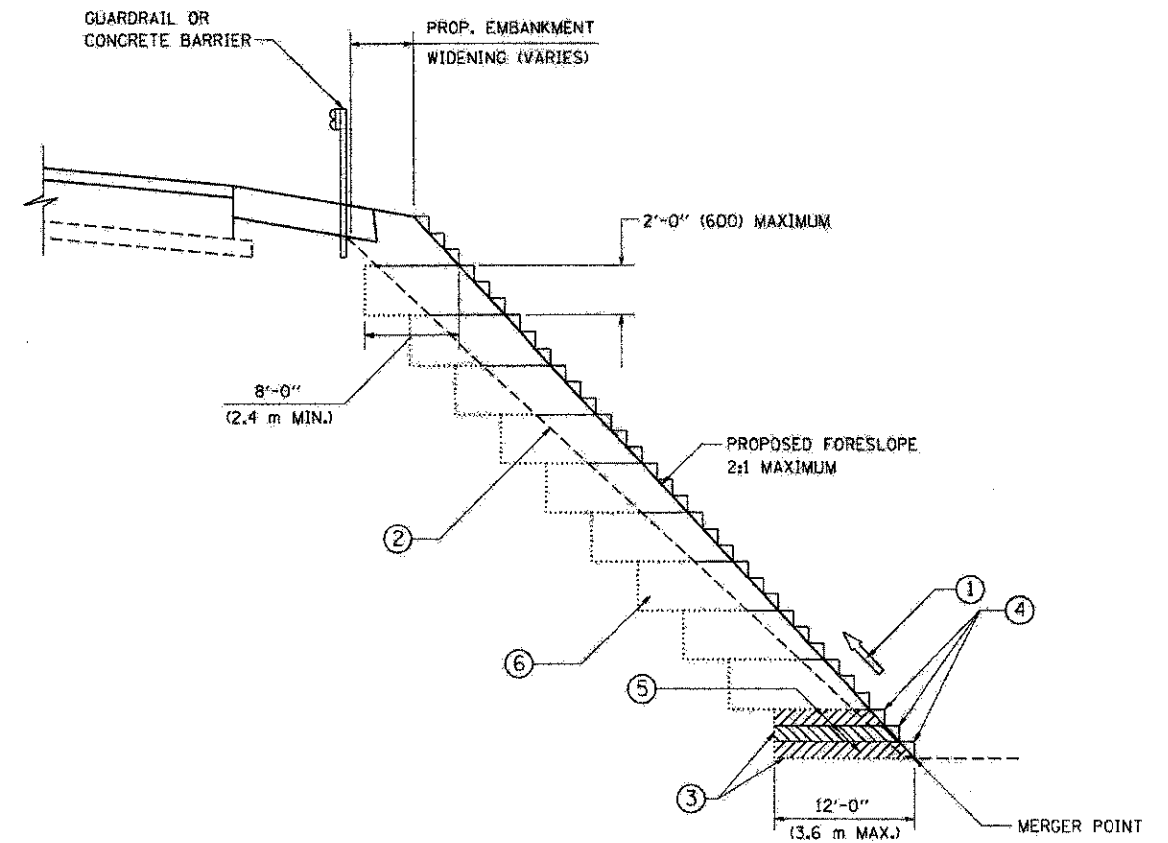
- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B: MINOR SIDE ROADS.
- C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
- G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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

FILE NAME = 3850-605-DT1.dwg	USER NAME = ZACH WALLSTER	DESIGNED - JA. DE YONG	REVISED - R. SHAH 10-25-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT AND HMA TAPER DETAILS	FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1" = .0833'	CHECKED -	REVISED - A. ABEAS 03-21-97			1285	09-00082-00-CH	Cook	97	77
PLOT DATE = 8/21/2011	DATE - 06-13-90	REVISED - M. GOMEZ 04-06-01	REVISED - R. BORO 01-01-07	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	BD400-05 BD32 CONTRACT # 63749		
						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CMMT 9002(492)				



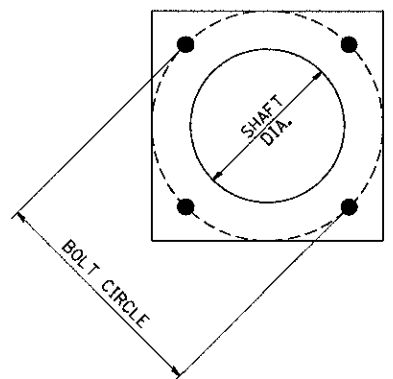
**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

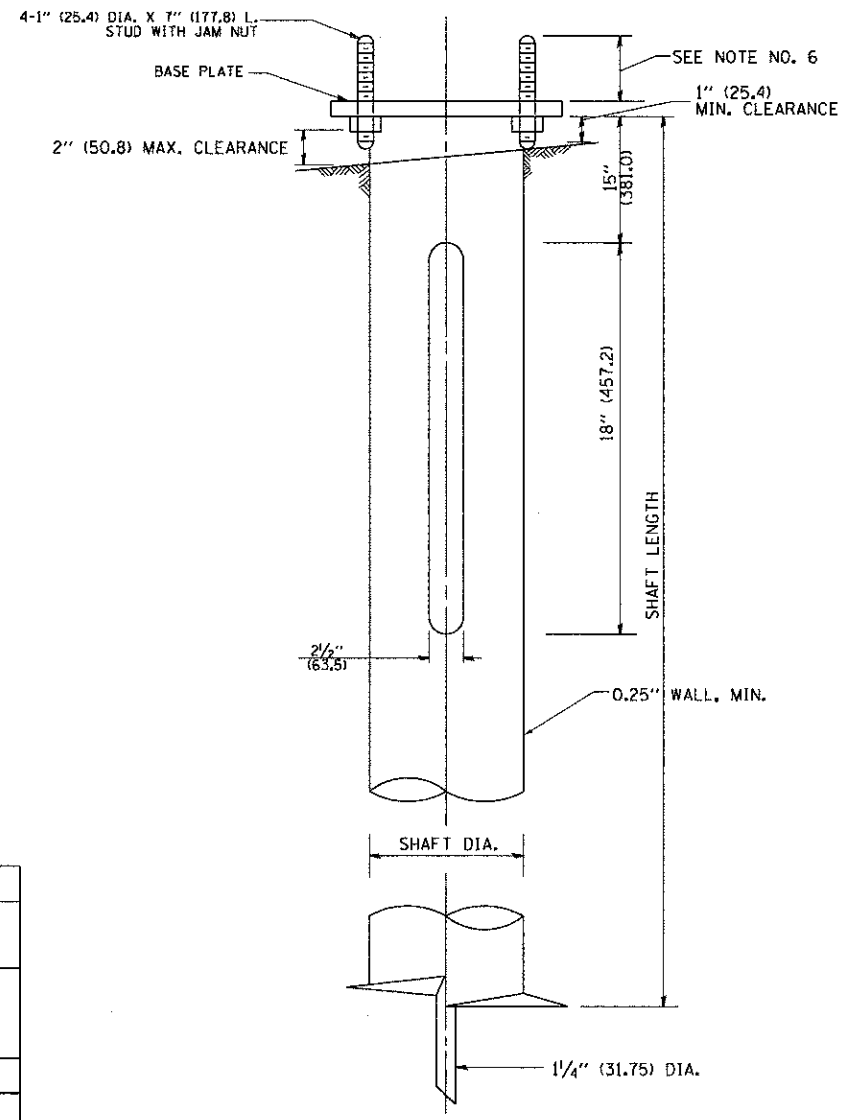
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

FILE NAME = W:\distrs\22x34\bd51.dgn	USER NAME = gaglcrnobs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BENCHING DETAIL FOR EMBANKMENT WIDENING		F.A.B. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 3/8" = 1' IN.	DRAWN - CADD	REVISED -		1285	09-00082-00-CH	Cook	97	78		
PLOT DATE = 1/4/2006	CHECKED - S.E.B.	REVISED -			BD-51			CONTRACT NO. 63749			
	DATE - 06-16-04	REVISED -			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT CMM 9003(492)			



NOTES:

1. ALL DIMENSION IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. ALL MATERIAL SHALL BE GALVINIZED ACCORDING TO AASHTO M111, UNLESS OTHERWISE SPECIFIED.
3. ALL WELDS SHALL BE CONTINUOUS AND NOT LESS THAN 1/4" (6.35 mm) FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS (13558.18 n.m) OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.
4. THE HELIX FOUNDATION SHAFT SHALL BE INSTALLED VERTICAL AND THE BASE PLATE SHALL BE IN LEVEL. THE BREAKAWAY COUPLINGS AND HARDWARE SHALL NOT BE USED TO ALIGN THE POLE INSTALLATION.
5. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
6. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASE PLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
7. ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH FINE AGGREGATE.
8. METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDATION IS NOT ALLOWED.
9. THE METAL FOUNDATION SHALL NOT BE INSTALLED TO A TORQUE WHICH EXCEEDS THE MANUFACTURER'S MAXIMUM TORQUE RATING NOR SHALL IT BE INSTALLED TO AN INSTALLATION TORQUE VALUE OF LESS THAN 3,500 FT LB (4,750 KNM). METAL FOUNDATIONS THAT ARE NOT INSTALLED TO FULL INSTALLATION DEPTH OR DO NOT ACHIEVE THE MINIMUM INSTALLATION TORQUE SHALL BE REMOVED AND REPLACED WITH A CONCRETE FOUNDATION AT NO ADDITIONAL COST.
10. THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS ($\pm 1^\circ$) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC (± 0.188) TO THE SHAFT AXIS.
11. THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC (± 0.125) AND IN LINE ($\pm 2^\circ$).
12. THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.

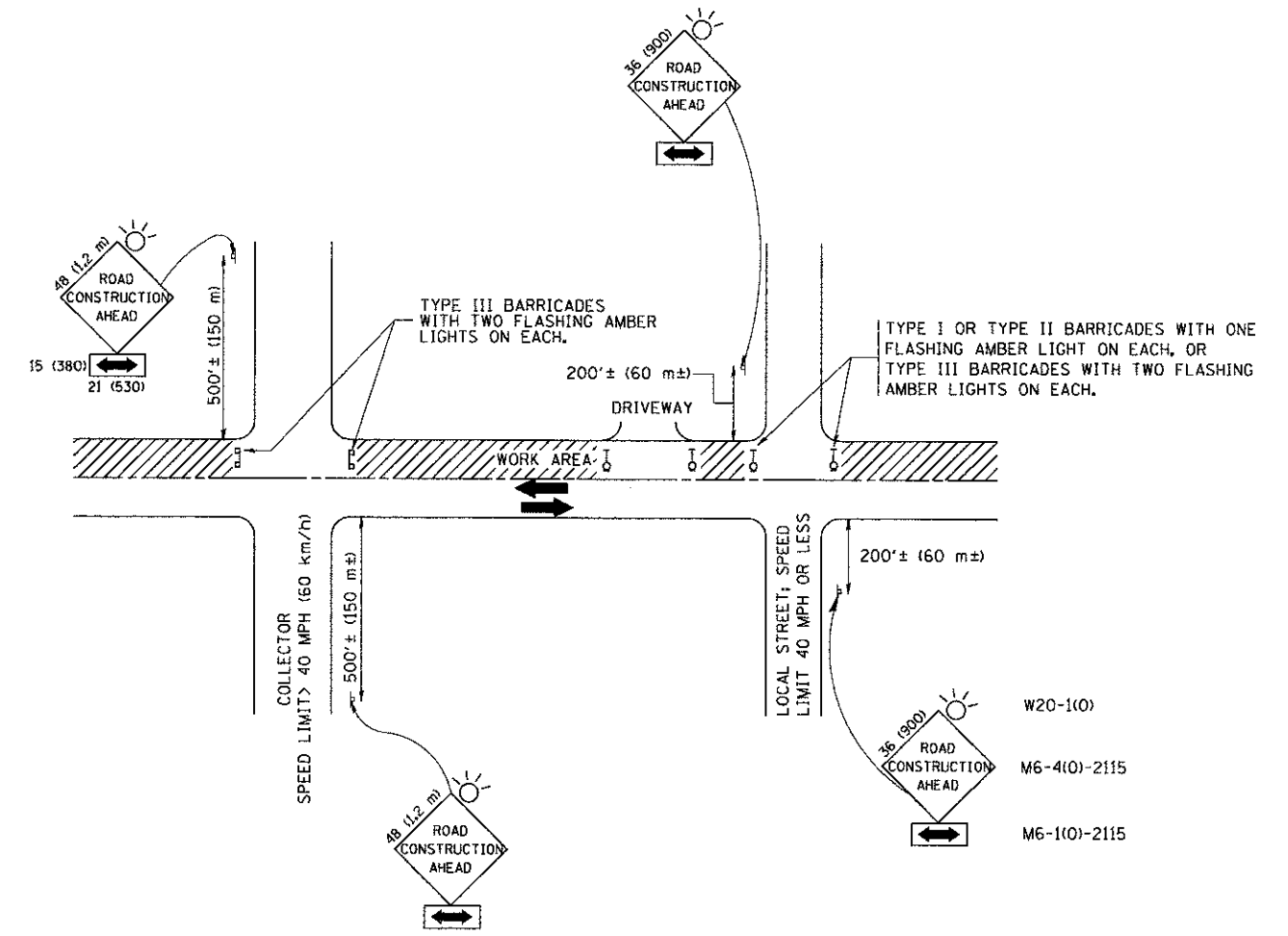


HELIX FOUNDATION SIZE

POLE MOUNTING HEIGHT	BOLT CIRCLE	SHAFT DIAMETER	SHAFT LENGTH	BASEPLATE
30 FT.	1 1/2"	8 5/8"	6 FT.	12"x12"x1"
31 FT.-35 FT.	1 1/2"	8 5/8"	6 FT.	12"x12"x1"
36 FT.-40 FT.	15"	8 5/8"	6 FT.	15"x15"x1 1/4"
41 FT.-45 FT.	15"	8 5/8"	6 FT.	15"x15"x1 1/4"
46 FT.-50 FT.	15"	10"	8 FT.	15"x15"x1 1/4"

METAL HELIX FOUNDATION MATERIALS

ITEM	MATERIAL REQUIREMENT
BASEPLATE	AASHTO M 270M, GRADE 36 (M270M, GRADE 250)
SHAFT	ASTM A 252, GRADE 2 (PHOSPHOROUS 0.04% MAXIMUM, SULFUR 0.05% MAXIMUM)
HELIX SCREW	AASHTO M 183 (ASTM A 635)
PILOT POINT	AASHTO M 270 (ASTM A 575)
ANCHOR RODS/STUDS	AASHTO M 314 (ASTM F 1554)
HEXAGON NUTS	AASHTO M 291M (ASTM A 563) GRADE DH, OR AASHTO M 292 (ASTM A 194) GRADE 2H
WASHERS	AASHTO M 293 (ASTM F 436)



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.

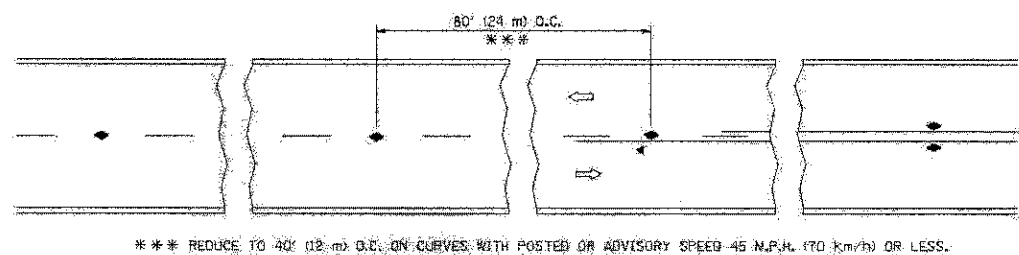
All dimensions are in millimeters (inches) unless otherwise shown.

FILE NAME =	USER NAME = geglennobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
W:\dists\d\22x34\td\td.dgn		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 60,000' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

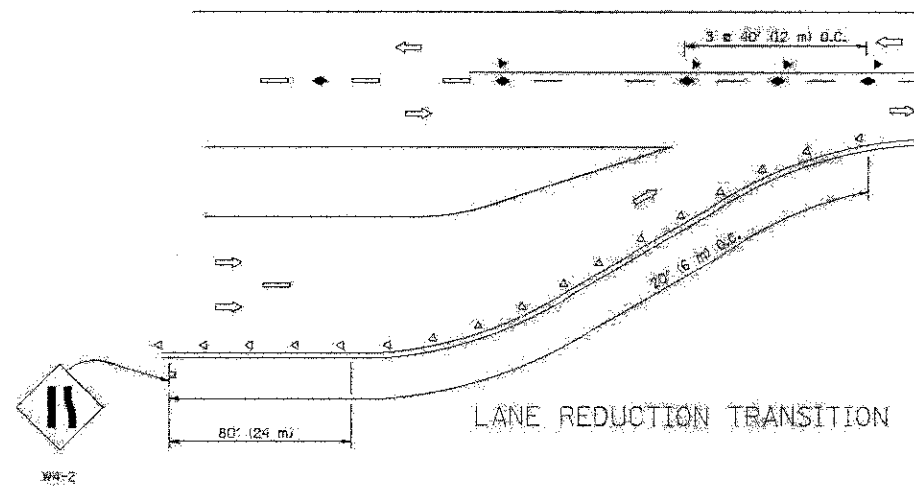
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

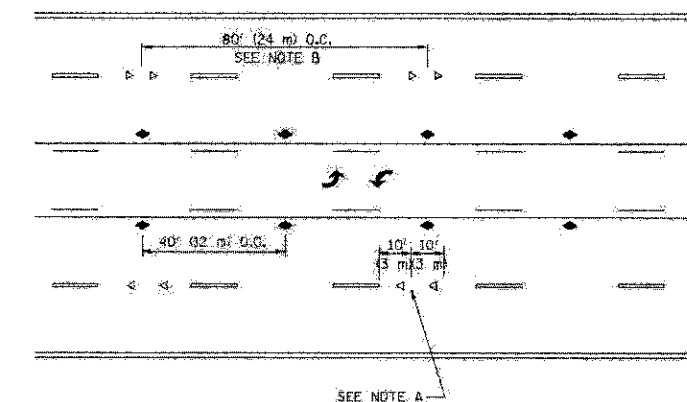
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	80
TC-10		CONTRACT NO. 63749		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CMM 9003(492)				



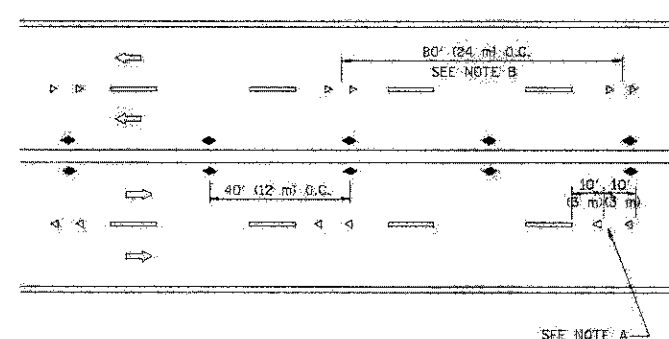
TWO-LANE/TWO-WAY



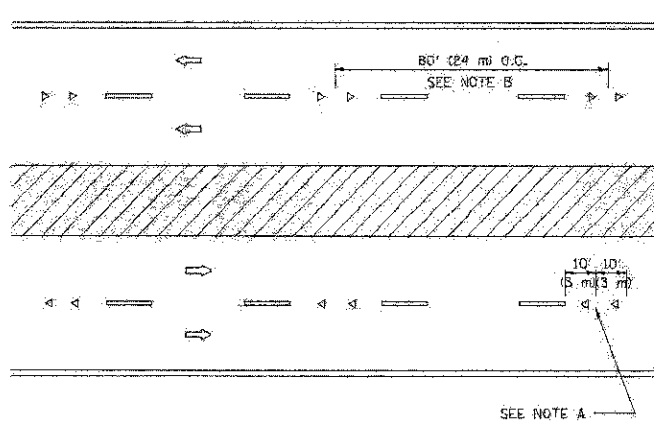
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

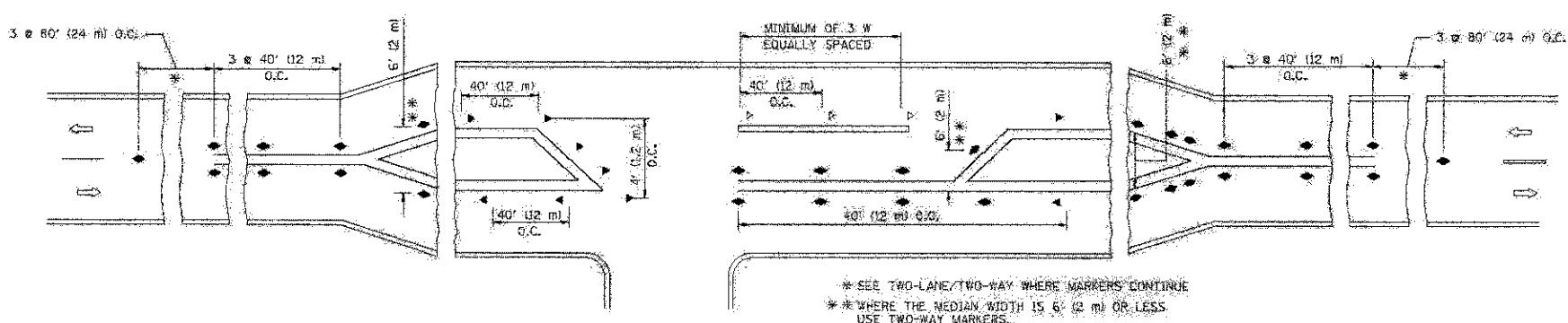
- YELLOW STRIPE
- WHITE STRIPE
- ◄ ONE-WAY AMBER MARKER
- ◄ ONE-WAY CRYSTAL MARKER (W/D)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (16 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

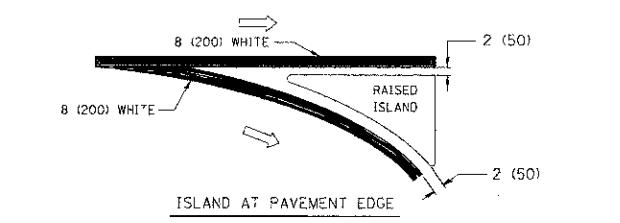
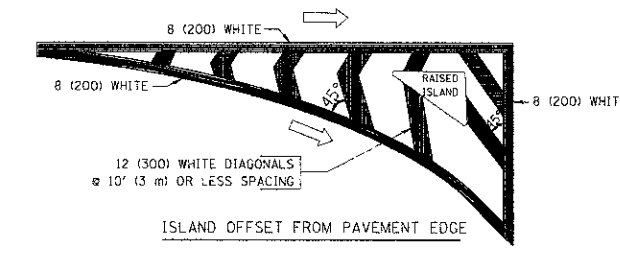
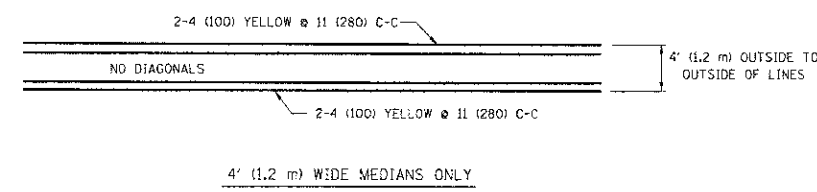
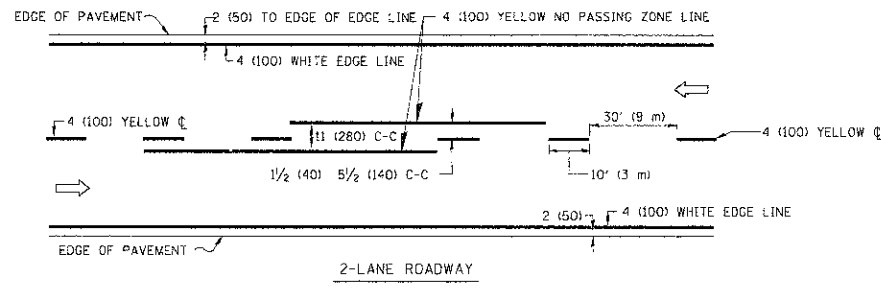
All dimensions are in inches (millimeters) unless otherwise shown.

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ST:\work\projects\drivekagan\40100315.tbl	Edgn	DRAWN =	REVISED = T. RAMMACHER 03-12-99
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	PL01 DATE = 9/9/2009	DATE =	REVISED = C. JUCIUS 09-09-09

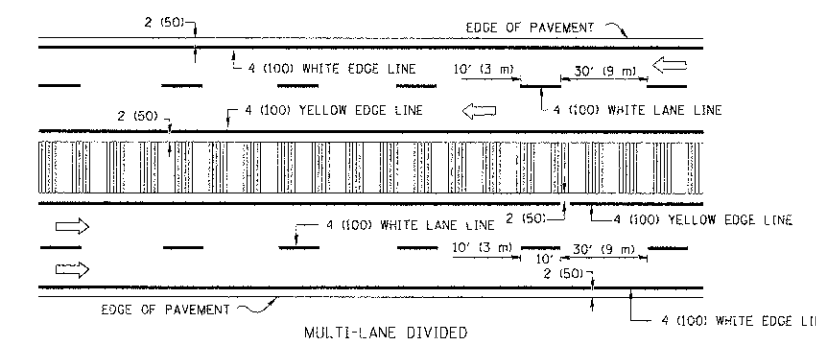
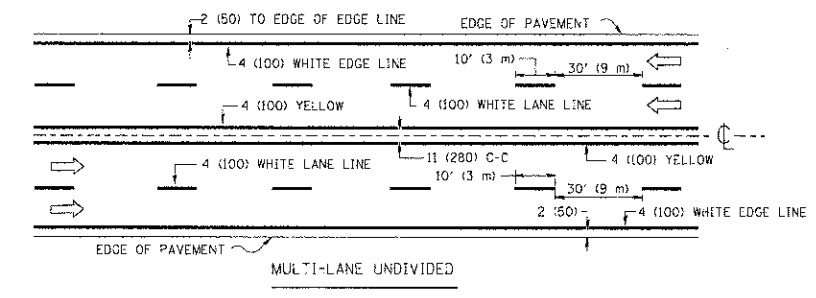
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS			
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-FLY RESISTANT)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

PLAN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	COOK	97	81
TC-11			CONTRACT NO. 63749	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CMM 5003(492)				

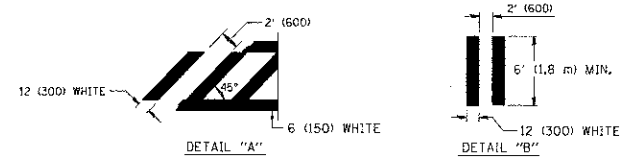
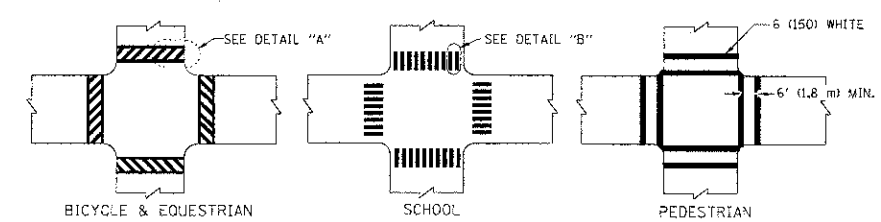


TYPICAL ISLAND MARKING

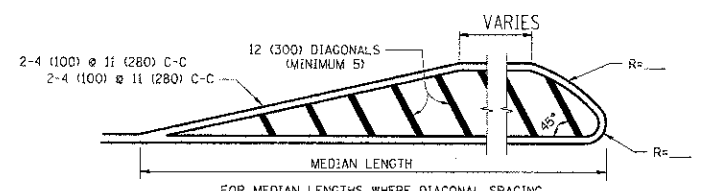


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

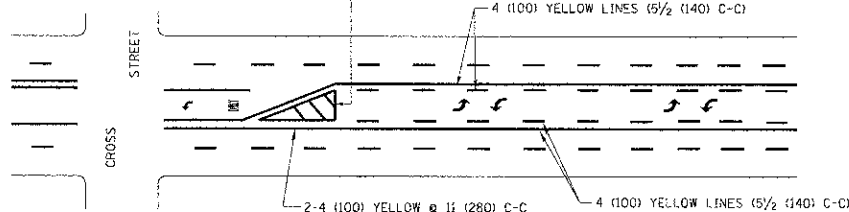


TYPICAL CROSSWALK MARKING

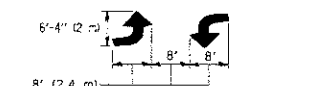


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

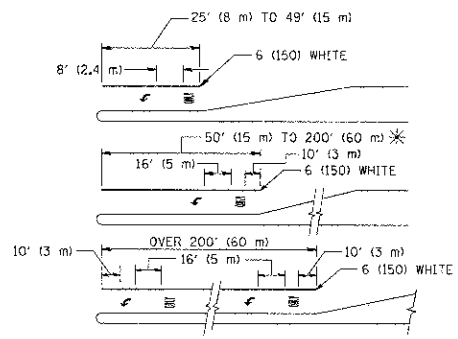
MEDIANS OVER 4' (1.2 m) WIDE



A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

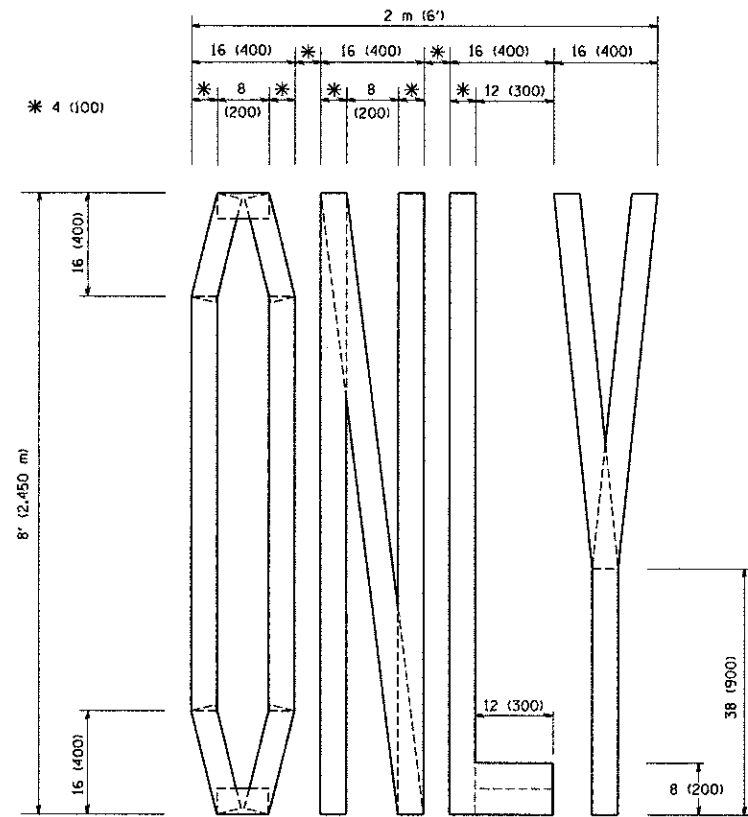
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

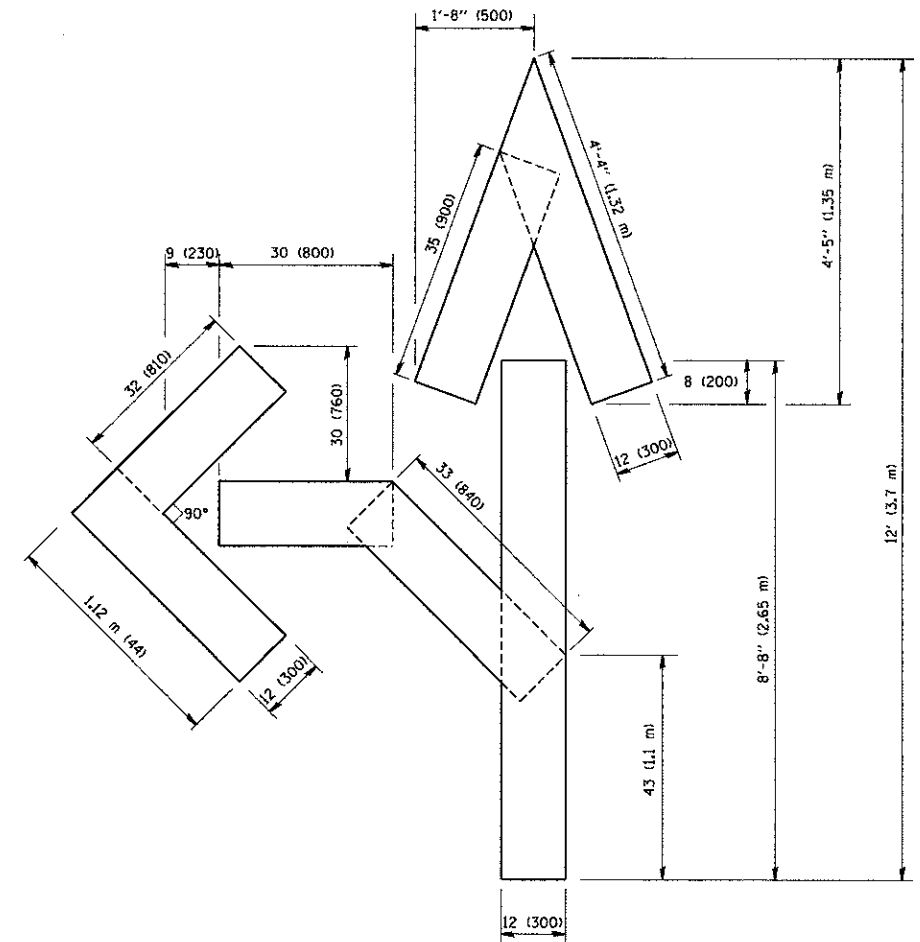
TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C (OMIT SKIP-DASH CENTERLINE BETWEEN)
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²); EACH "X"=54.0 SQ. FT. (5.0 m ²)
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.

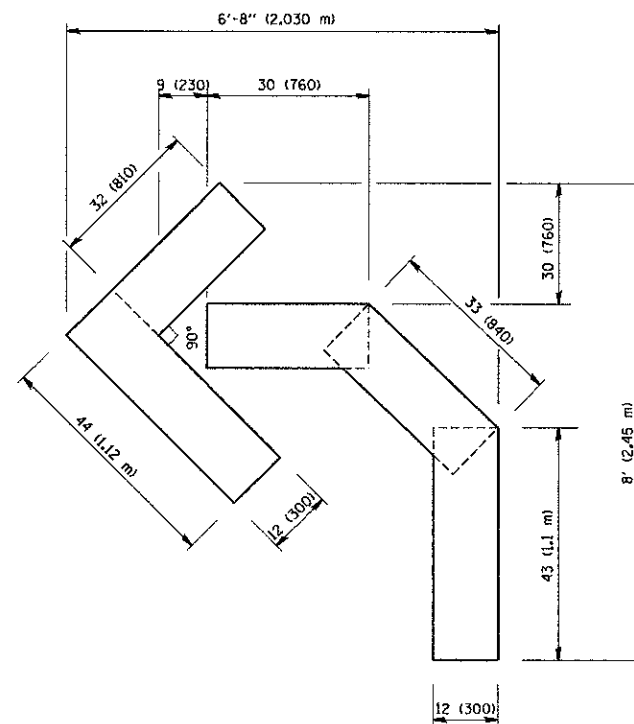
All dimensions are in inches (millimeters) unless otherwise shown.



QUANTITY
4 (100) LINE = 64.1 ft. (19.7 m)
21.1 sq. ft. (1.97 sq. m)



QUANTITY
4 (100) LINE = 82.5 ft. (25.3 m)
27.5 sq. ft. (2.53 sq. m)



QUANTITY
4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.39 sq. m)

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

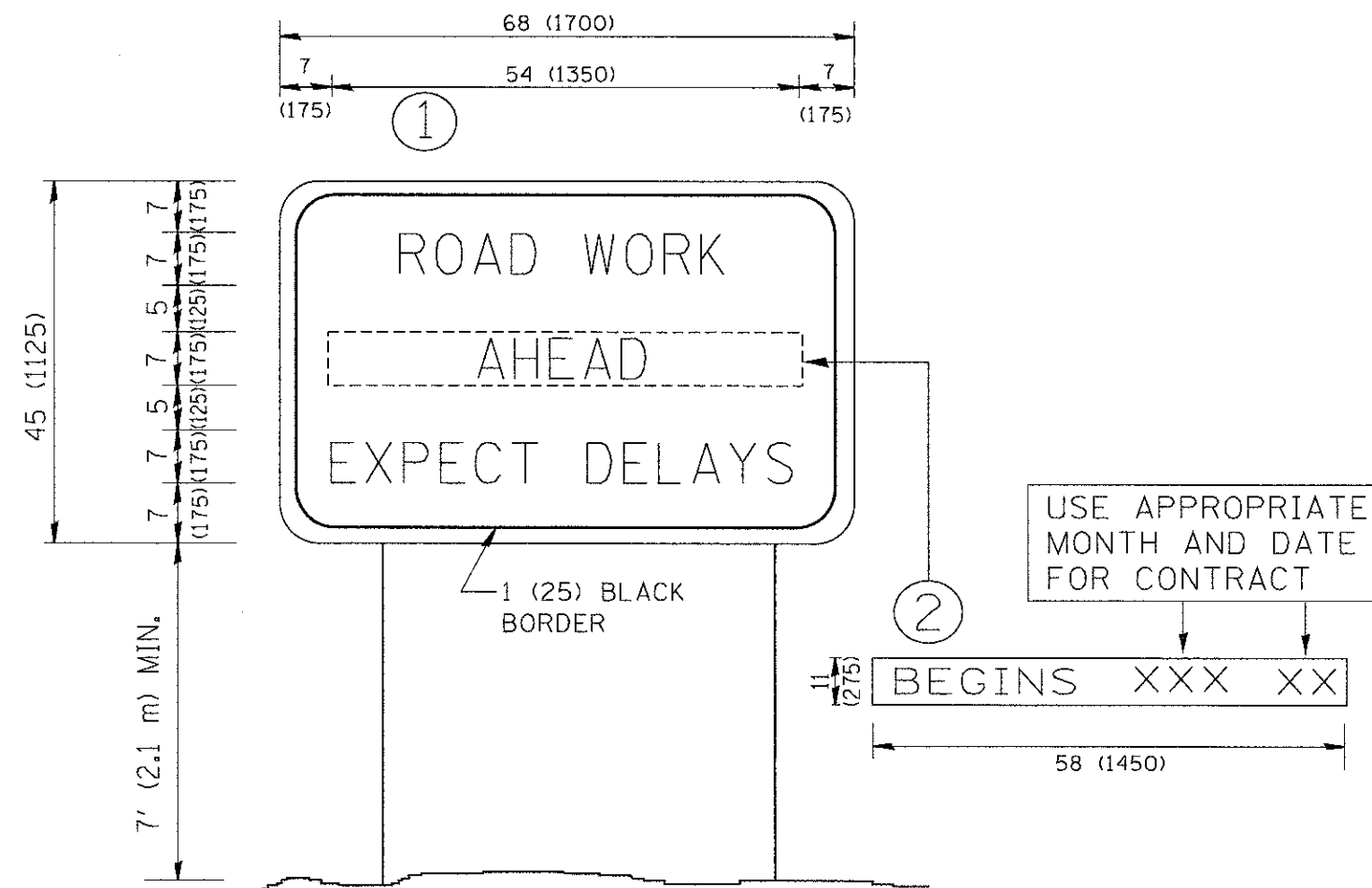
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		DRAWN -	REVISED -T. RAMMACHER 11-04-97
	PLOT SCALE = 60.0000 "/ IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 1/4/2006	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS
FOR TRAFFIC STAGING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	83
TC-16			CONTRACT NO. 63749	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT GMM 9003(492)				



NOTES:

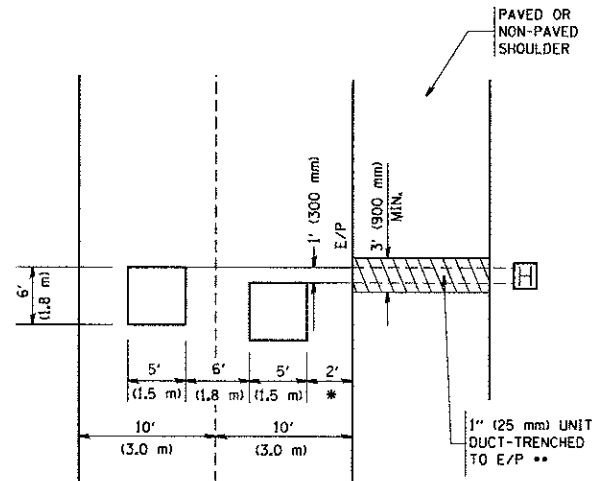
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.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

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

FILE NAME = W:\data\d\22x34\tr22.dgn	USER NAME = gaglionobt	DESIGNED - DRAWN -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	F.A.L.L. RTE. 1285	SECTION 09-00082-00-CH	COUNTY Cook	TOTAL SHEETS 97	SHEET NO. 84
PLOT SCALE = 60,000 / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99	TC-22			CONTRACT NO. 63749				
PLOT DATE = 1/4/2006	DATE -	REVISED - C. JUCIUS 01-31-07	FED. ROAD DIST. NO. 1			ILLINOIS FED. AID PROJECT CMM 5008(492)				
SCALE: NONE						SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.

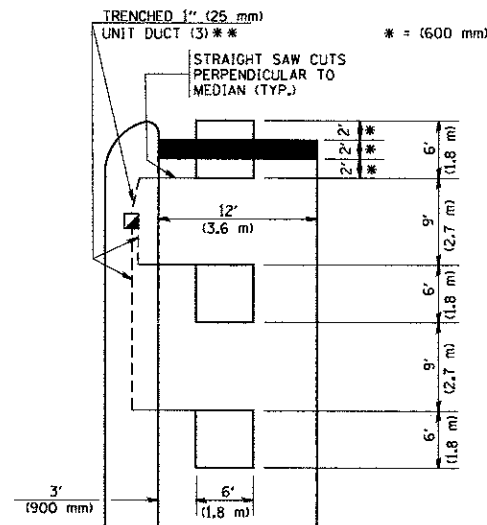


* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

**LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)**

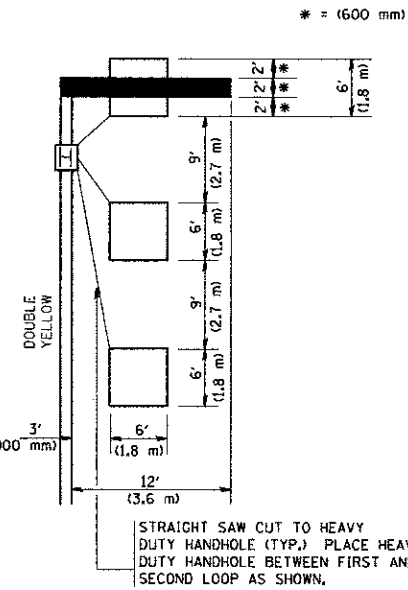
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 81400! TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

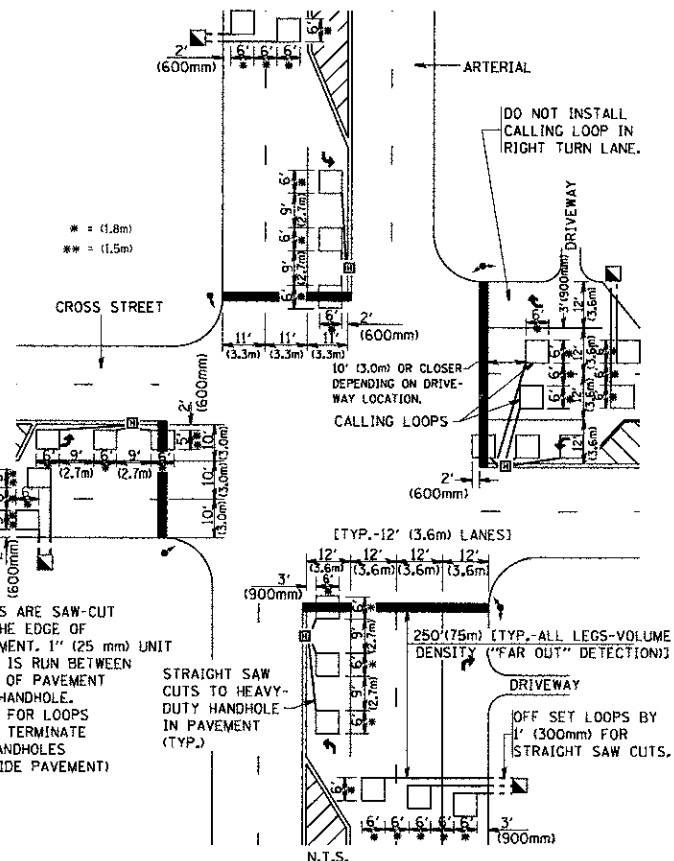
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)**



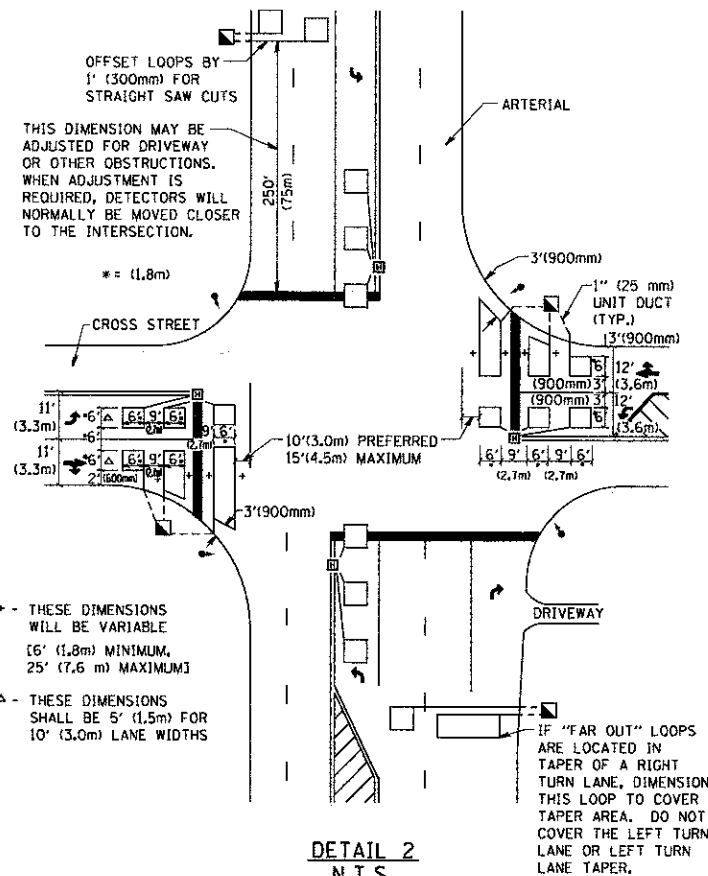
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)**



DETAIL 1
N.T.S.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)**



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

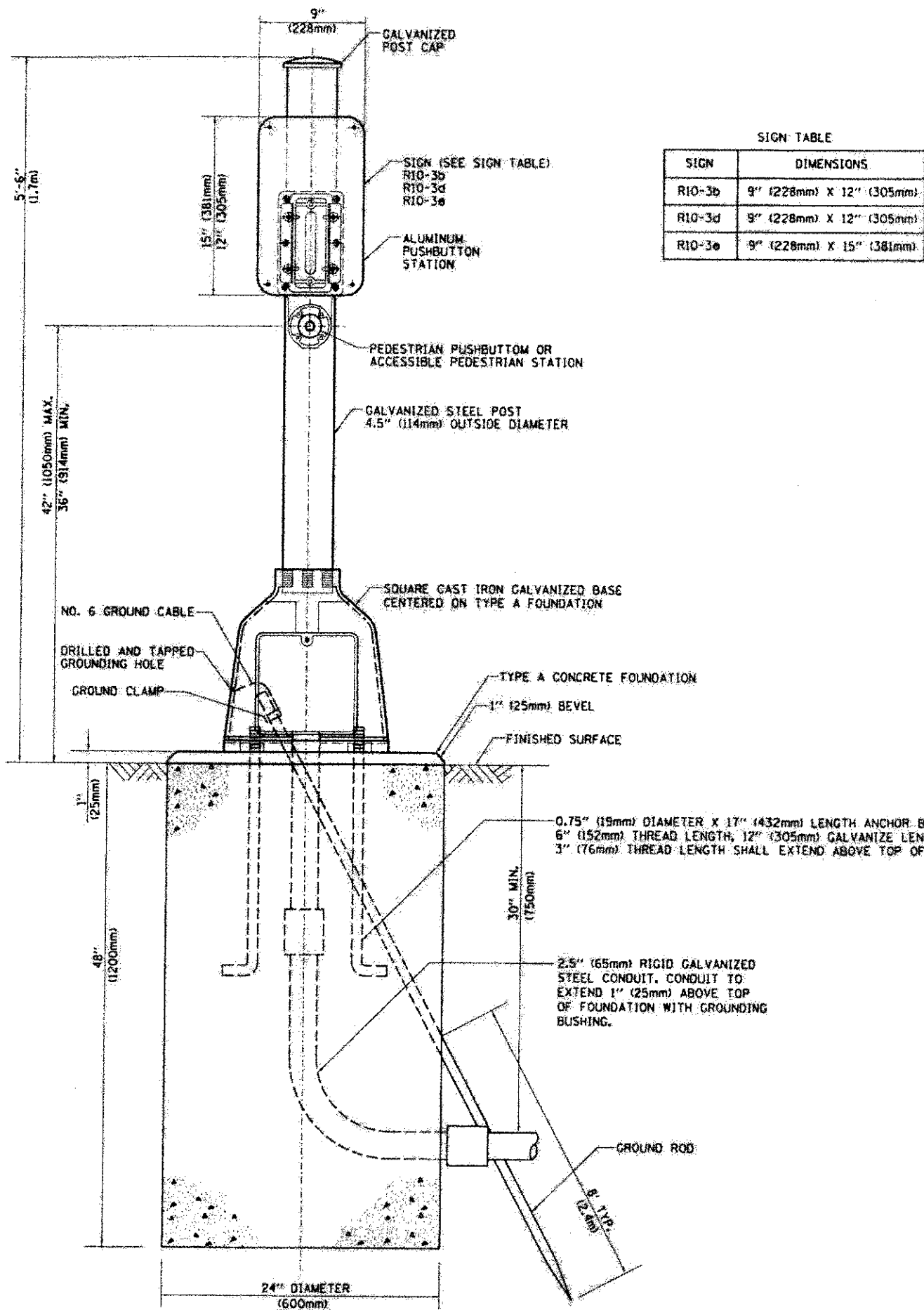
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

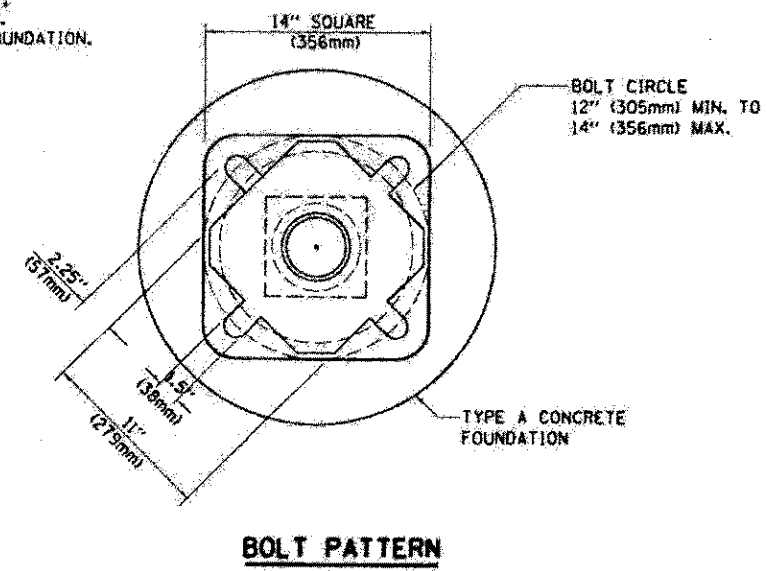
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

FILE NAME = W:\diststd\22x34\ts07.dgn	USER NAME = goglionob	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING		F.A.U. RTE. 1285	SECTION 09-00082-00-CH	COUNTY Cook	TOTAL SHEETS 97	SHEET NO. 85
PLOT SCALE = 50.0000 "/td> <td>CHECKED - R.K.F.</td> <td>REVISED -</td> <td>REVISED -</td> <td>SCALE: NONE</td> <td>SHEET NO. 1 OF 1 SHEETS</td> <td>STA. TO STA.</td> <td colspan="2" style="text-align: center;">TS-07</td> <td>CONTRACT NO. 63749</td> <td></td>	CHECKED - R.K.F.	REVISED -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	TS-07		CONTRACT NO. 63749	
PLOT DATE = 1/4/2006	DATE -	REVISED -	REVISED -				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CMM 9003/492				



SIGN TABLE

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



BOLT PATTERN

FILE NAME: s:\new_eork\p\do\driv\calogn\081882155.dgn	USER NAME: driv\calogn	DESIGNED: DAG	REVISED:
PLOT SCALE: 1/8" = 1'-0"	CHECKED: DAG	DRAWN: GND	REVISED:
PLOT DATE: 10/3/2012	DATE: 10/1/2012		REVISED:

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

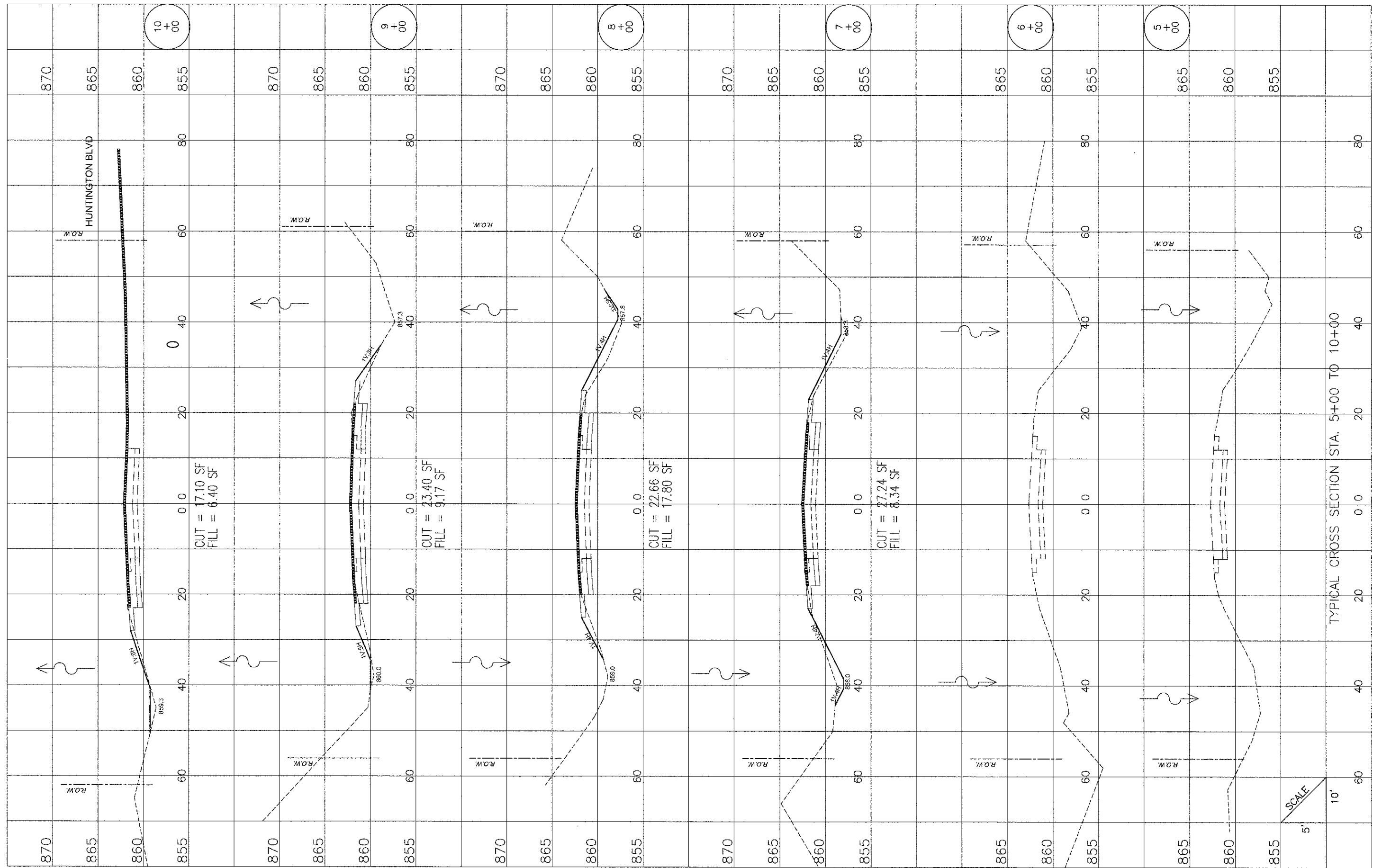
**DISTRICT 1
PEDESTRIAN PUSH BUTTON POST, TYPE A**

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

F.A.U. RTE. 1285	SECTION 09-00082-00-CH	COUNTY Cook	TOTAL SHEETS 97	SHEET NO. 86
TS-08			CONTRACT NO. 63749	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CMM 9003(492)				

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

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



TYPICAL CROSS SECTION STA. 5+00 TO 10+00

PALATINE ROAD

SCALE
5'
10'

FILE NAME = 100367-xsec.dwg

DRAWN - NMP
CHECKED - CUM
DATE - 02/07/11

REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

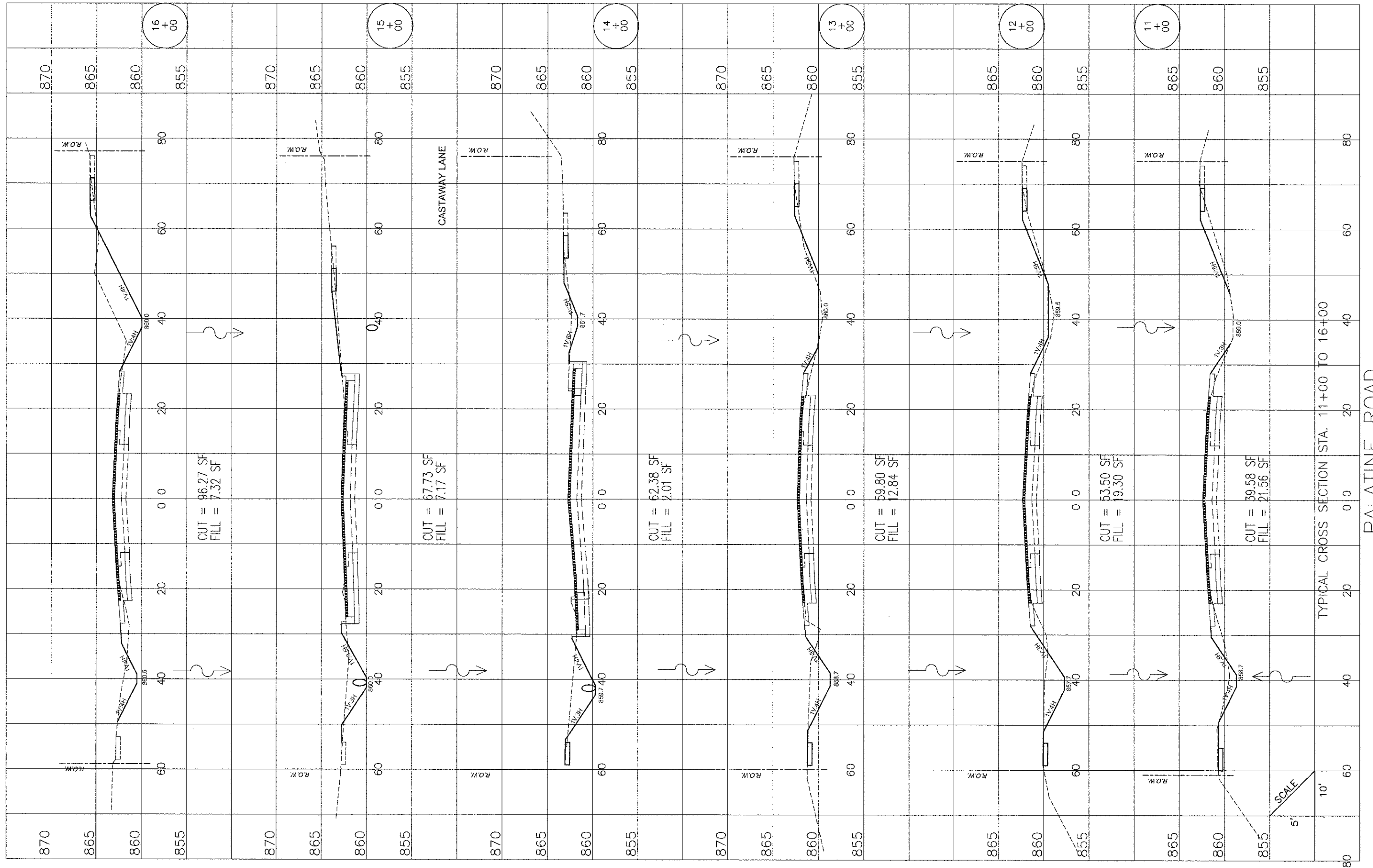
Palatine Road Widening STP Project
Cross Sections

SCALE: SHEET NO. 1 OF 11 SHEETS STA. 5+00 TO STA. 10+00

F.A.U. RTE. 1285	SECTION 09-00082-00-CH	COUNTY Cook	TOTAL SHEETS 97	SHEET NO. 87
CONTRACT NO. 63749			ILLINOIS FED. AID PROJECT CMM 9003(492)	

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

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



FILE NAME = 100367-xsec.dwg

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CHECKED - CJM
DATE - 02/07/11

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

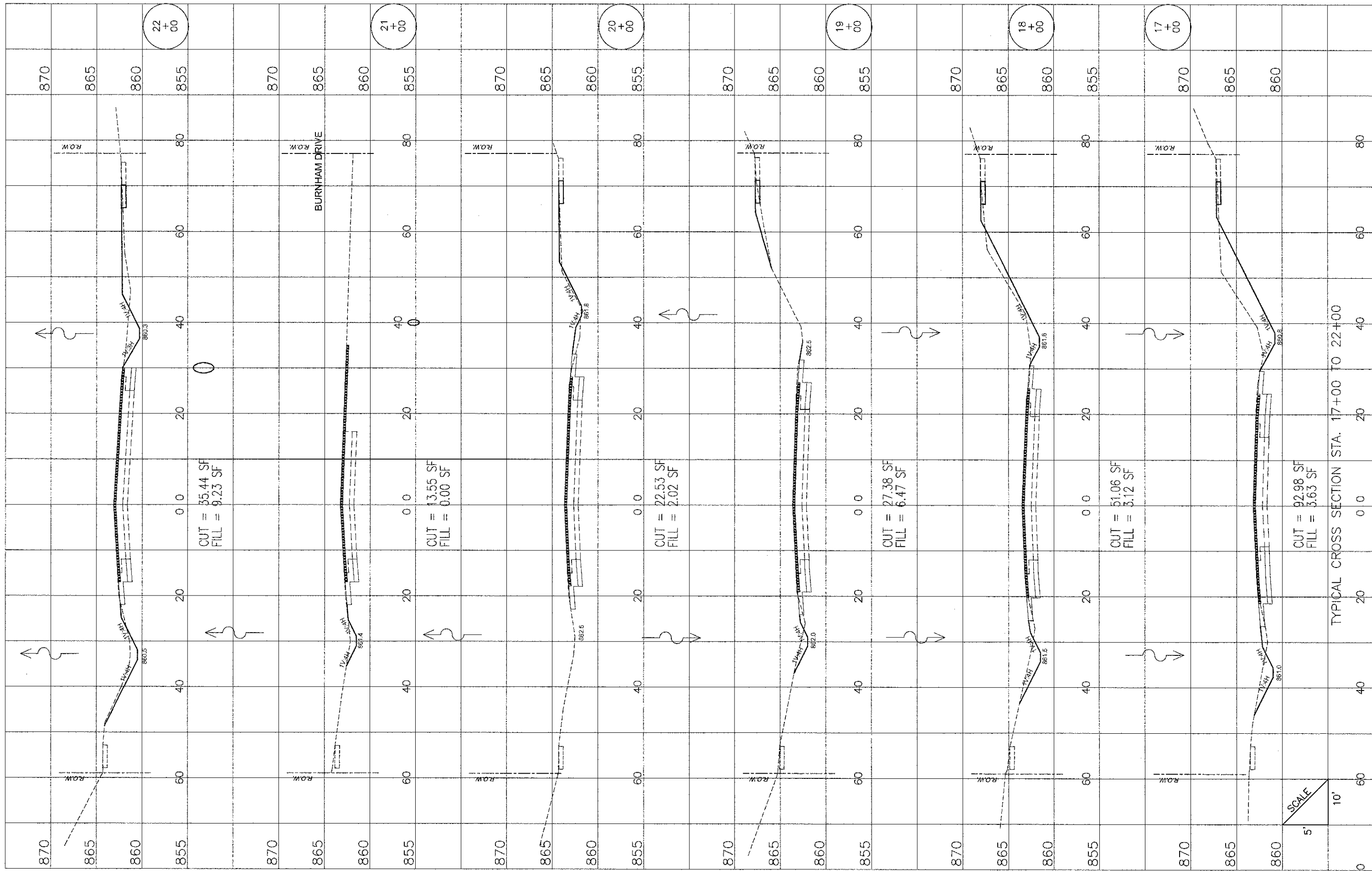
Palatine Road Widening STP Project
Cross Sections

SCALE: SHEET NO. 2 OF 11 SHEETS STA. 11+00 TO STA. 16+00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	88
CONTRACT NO. 63749			ILLINOIS FED. AID PROJECT CMM 9003(492)	

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

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



FILE NAME = 100367-xsec.dwg

DRAWN - NMP
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 DATE - 02/07/11

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

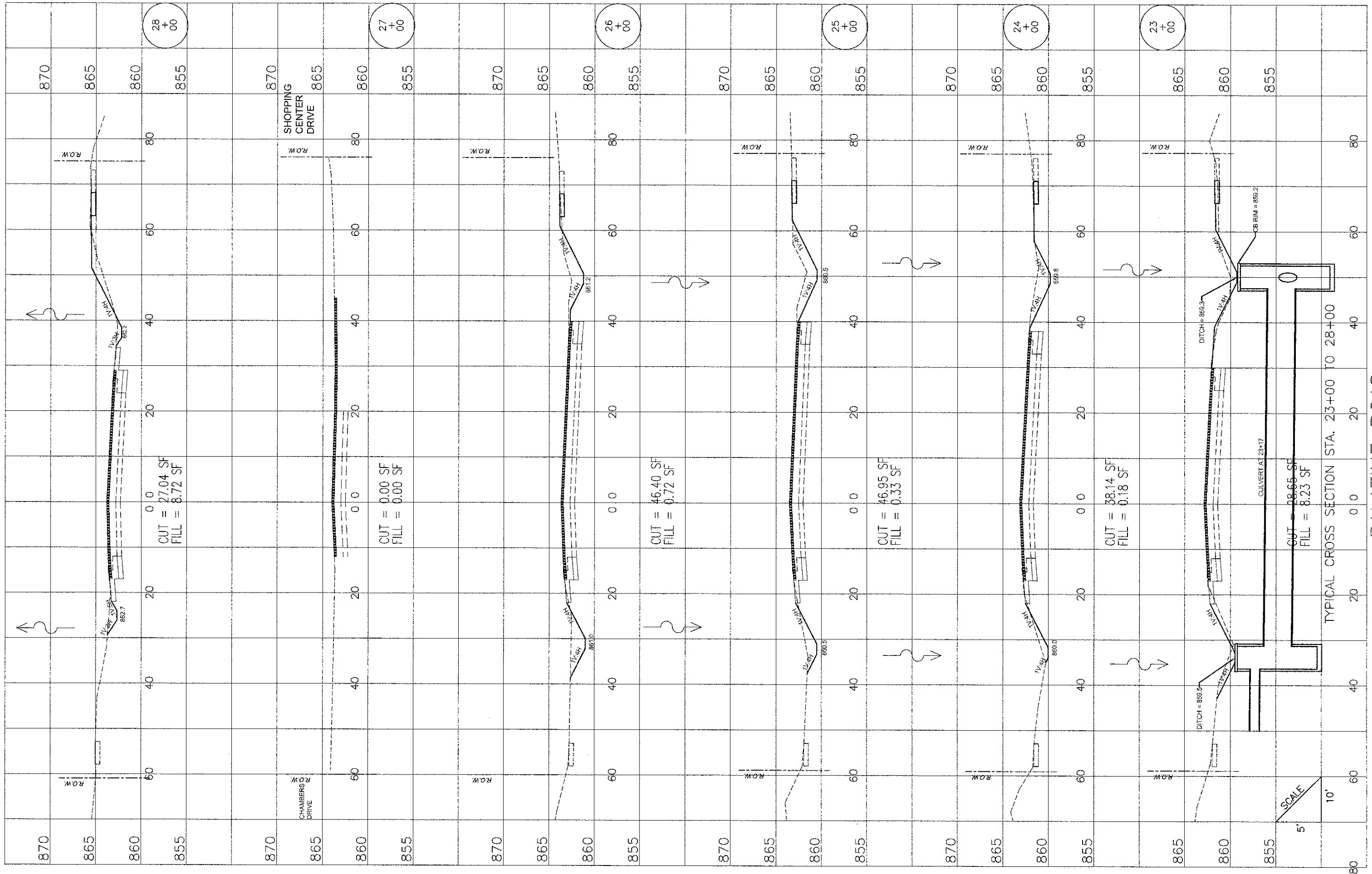
**Palatine Road Widening STP Project
 Cross Sections**

SCALE: SHEET NO. 3 OF 11 SHEETS STA. 17+00 TO STA. 22+00

F.A.U. RTE. 1285	SECTION 09-00082-00-CH	COUNTY Cook	TOTAL SHEETS 97	SHEET NO. 89
CONTRACT NO. 63749				ILLINOIS FED. AID PROJECT CMM 9003(492)

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

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



FILE NAME = 100367-xsec.dwg

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

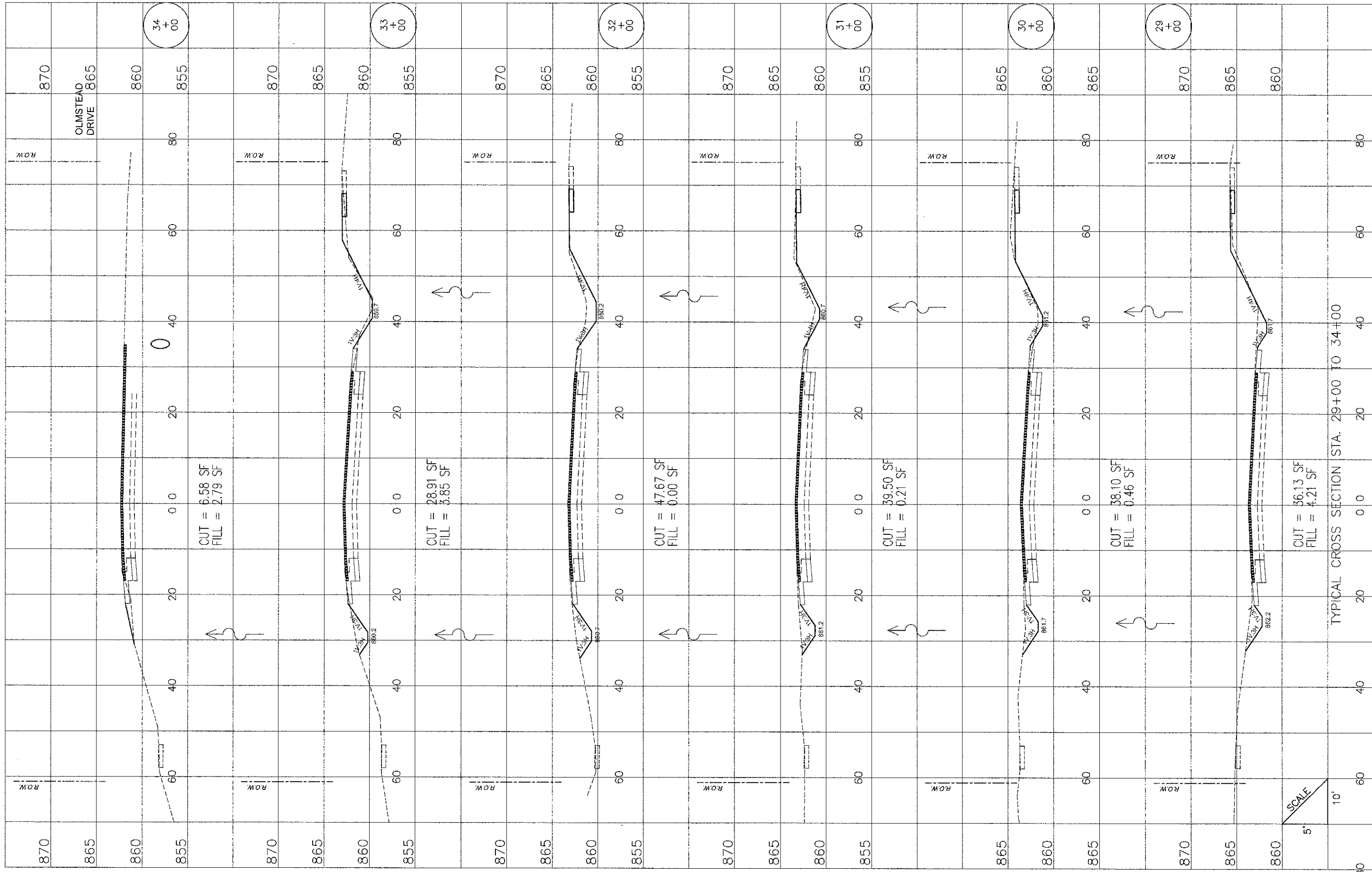
Palatine Road Widening STP Project
Cross Sections

SCALE: SHEET NO. 4 OF 11 SHEETS STA. 23+00 TO STA. 28+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	90
CONTRACT NO. 63749			ILLINOIS FED. AID PROJECT CMM 9003(492)	

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

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



FILE NAME = 100387-xsec.dwg

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CHECKED - CJM	REVISED -
DATE - 02/07/11	REVISED -

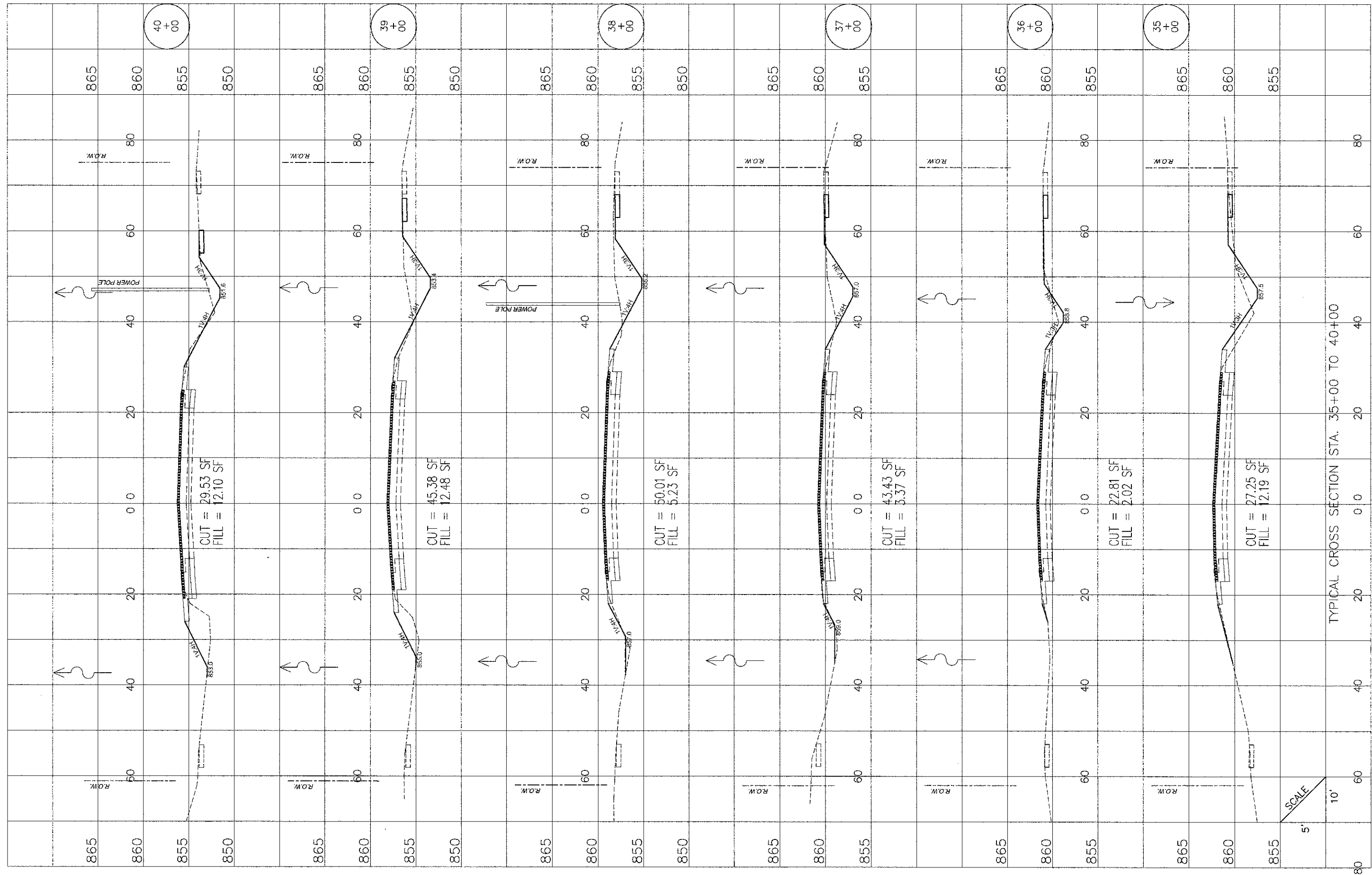
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

Palatine Road Widening STP Project
Cross Sections
SCALE: SHEET NO. 5 OF 11 SHEETS STA. 29+00 TO STA. 34+00

F.A.U. RTE. 1285	SECTION 09-00082-00-CH	COUNTY Cook	TOTAL SHEETS 97	SHEET NO. 91
CONTRACT NO. 63749				ILLINOIS FED. AID PROJECT CMM 9003(492)

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

ORIGINAL SURVEY	REVISIONS	BY	DATE
NOTE BOOK	PLATE		
AREAS	AREAS		
NO.	AREAS CHECKED		



TYPICAL CROSS SECTION STA. 35+00 TO 40+00

PALATINE ROAD

FILE NAME = 100367-xsec.dwg

SCALE:	SHEET NO. 6 OF 11 SHEETS	STA. 35+00 TO STA. 40+00
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DATE	-	REVISED	-

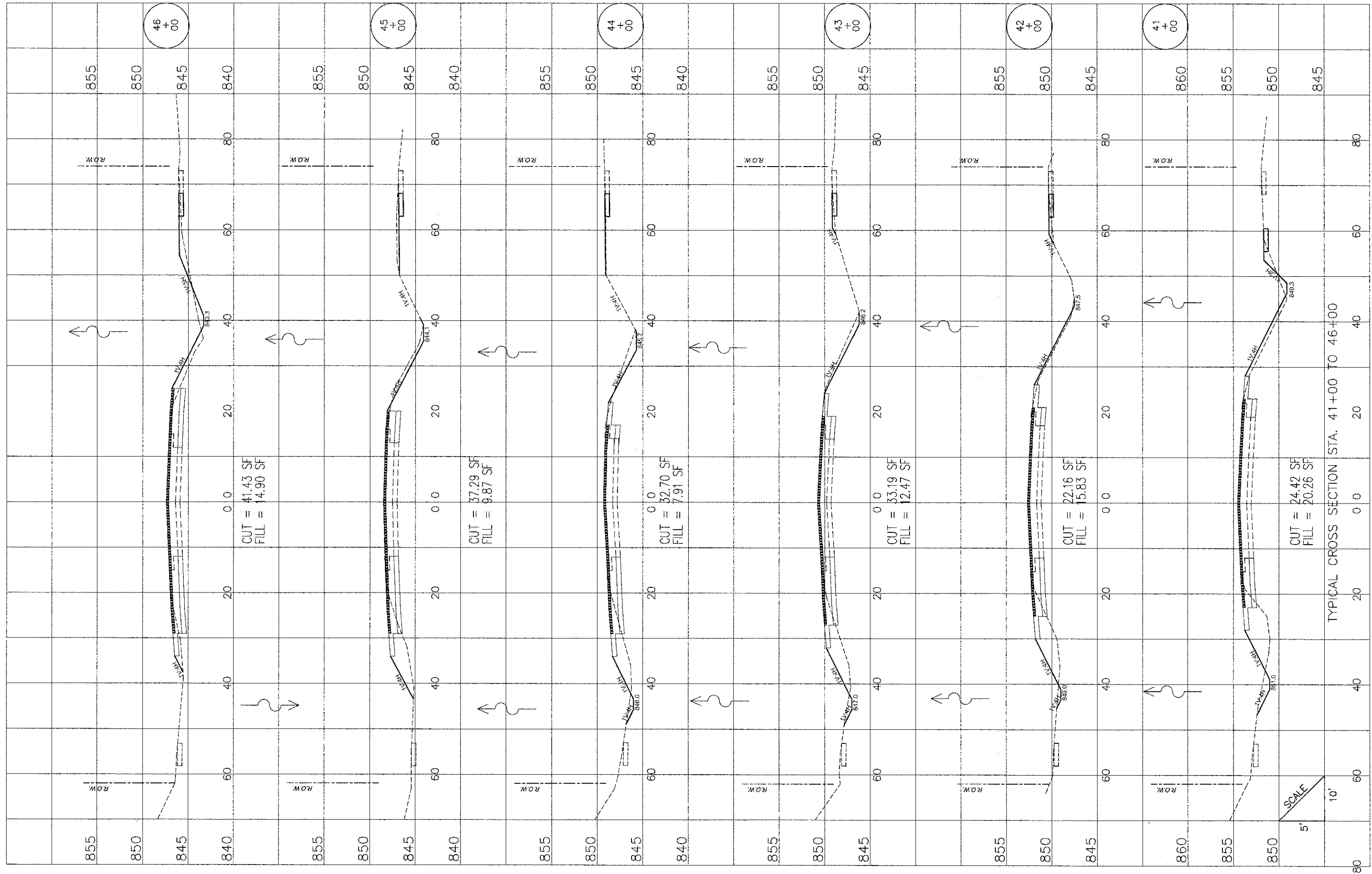
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Palatine Road Widening STP Project
Cross Sections

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	92
CONTRACT NO. 63749			ILLINOIS FED. AID PROJECT CMM 9003(492)	

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

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



PALATINE ROAD

FILE NAME = 100367-xsec.dwg

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DATE -	REVISED -

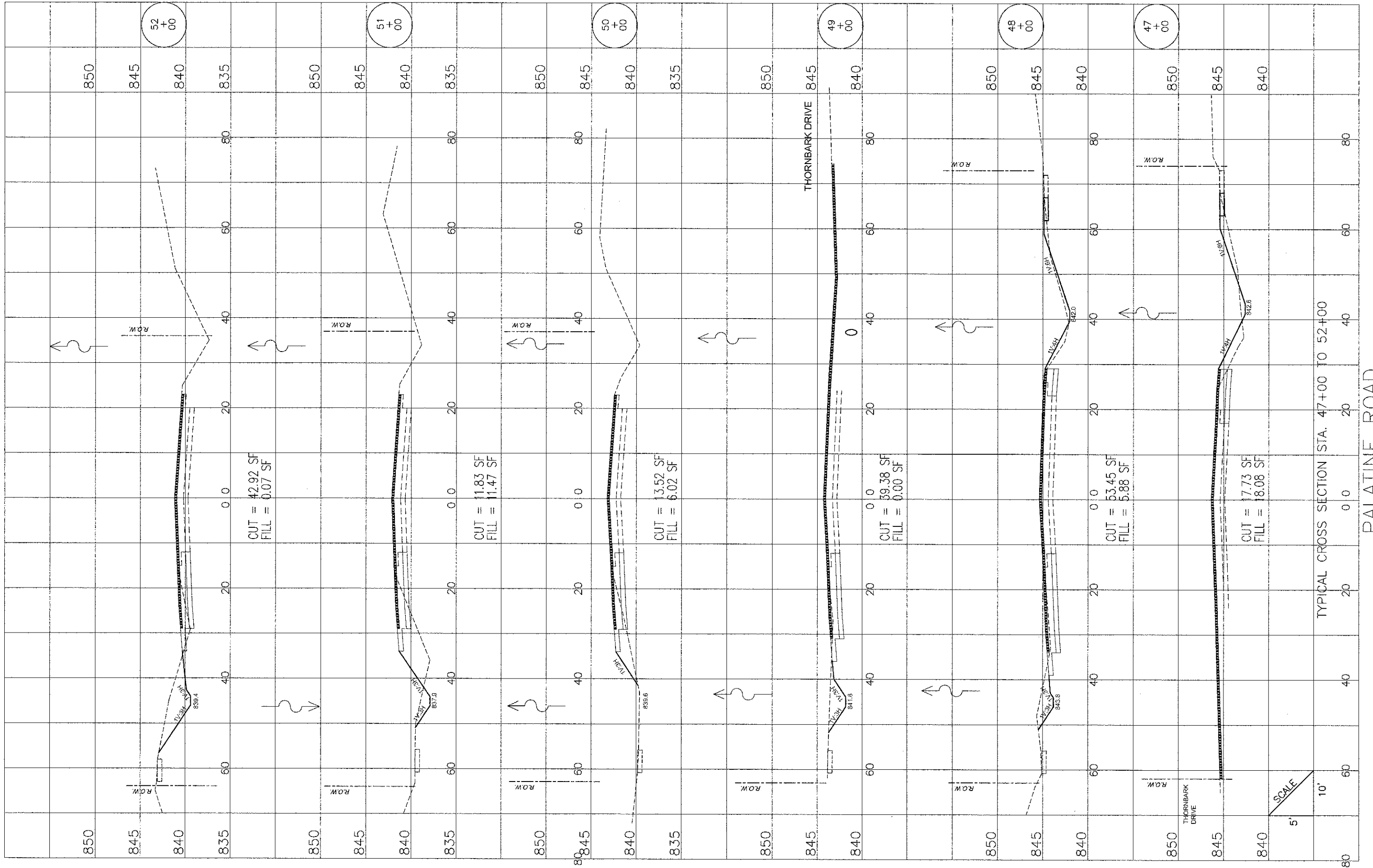
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Palatine Road Widening STP Project
Cross Sections
SCALE: SHEET NO. 7 OF 11 SHEETS STA. 41+00 TO STA. 46+00

F.A.U. RTE. 1285	SECTION 09-00082-00-CH	COUNTY Cook	TOTAL SHEETS 97	SHEET NO. 93
			CONTRACT NO. 63749	
ILLINOIS FED. AID PROJECT CMM 9003(492)				

FINAL	SURVEYED	DATE
SIRKEY	BY	
NOTE BOOK	NO.	
TEMPLATE	AREAS CHECKED	
AREAS	AREAS CHECKED	

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



TYPICAL CROSS SECTION STA. 47+00 TO 52+00

PALATINE ROAD

FILE NAME = 100367-xsec.dwg

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DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

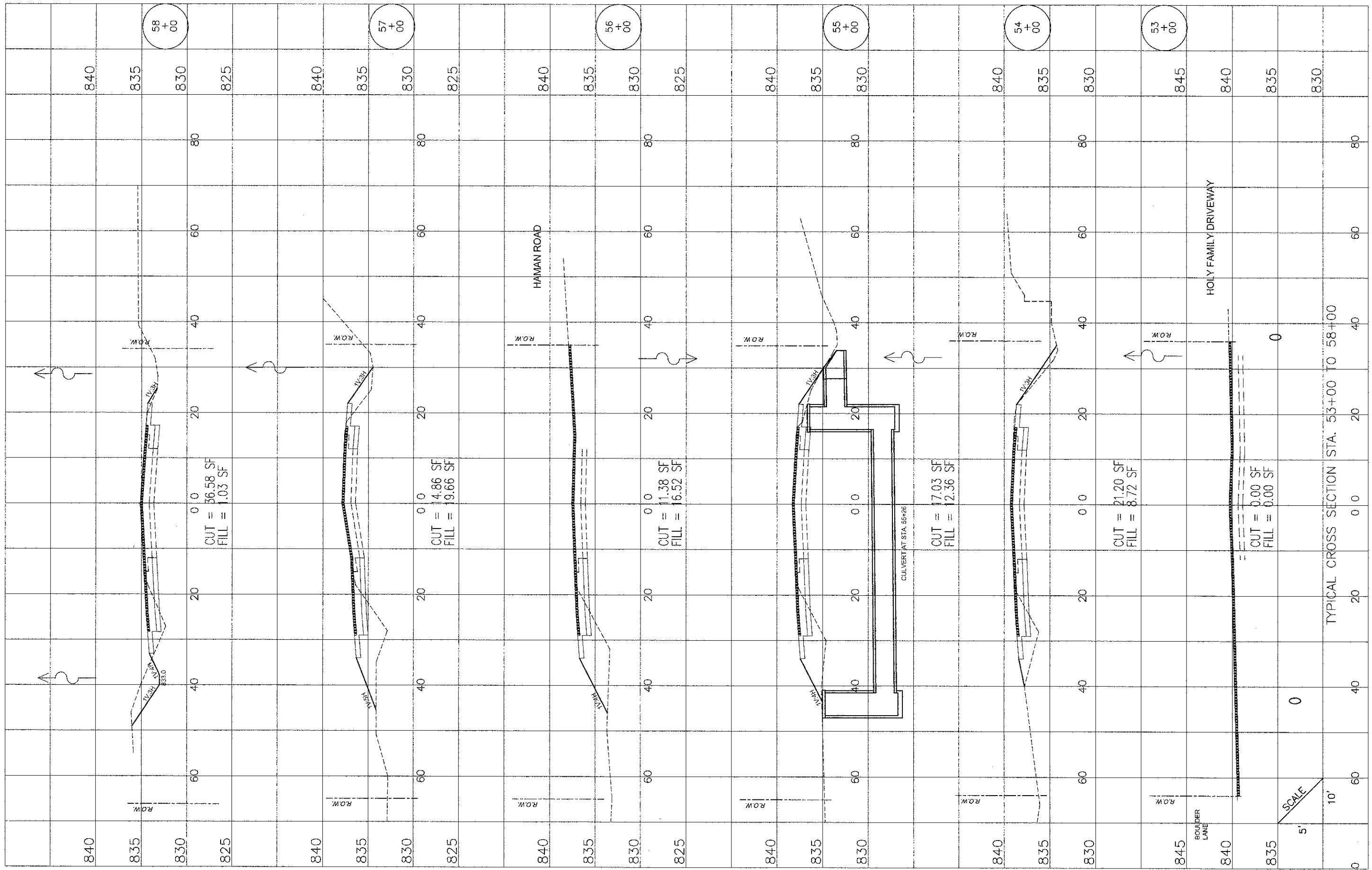
Palatine Road Widening STP Project
Cross Sections

SCALE: SHEET NO. 8 OF 11 SHEETS STA. 47+00 TO STA. 52+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	94
CONTRACT NO. 63749				
ILLINOIS FED. AID PROJECT CMM 9003(492)				

ORIGINAL SURVEY	BY	DATE
REVIEWED		
NOTE BOOK		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
REVIEWED		
NOTE BOOK		
AREAS		
AREAS CHECKED		



FILE NAME = 100367--sec.dwg

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

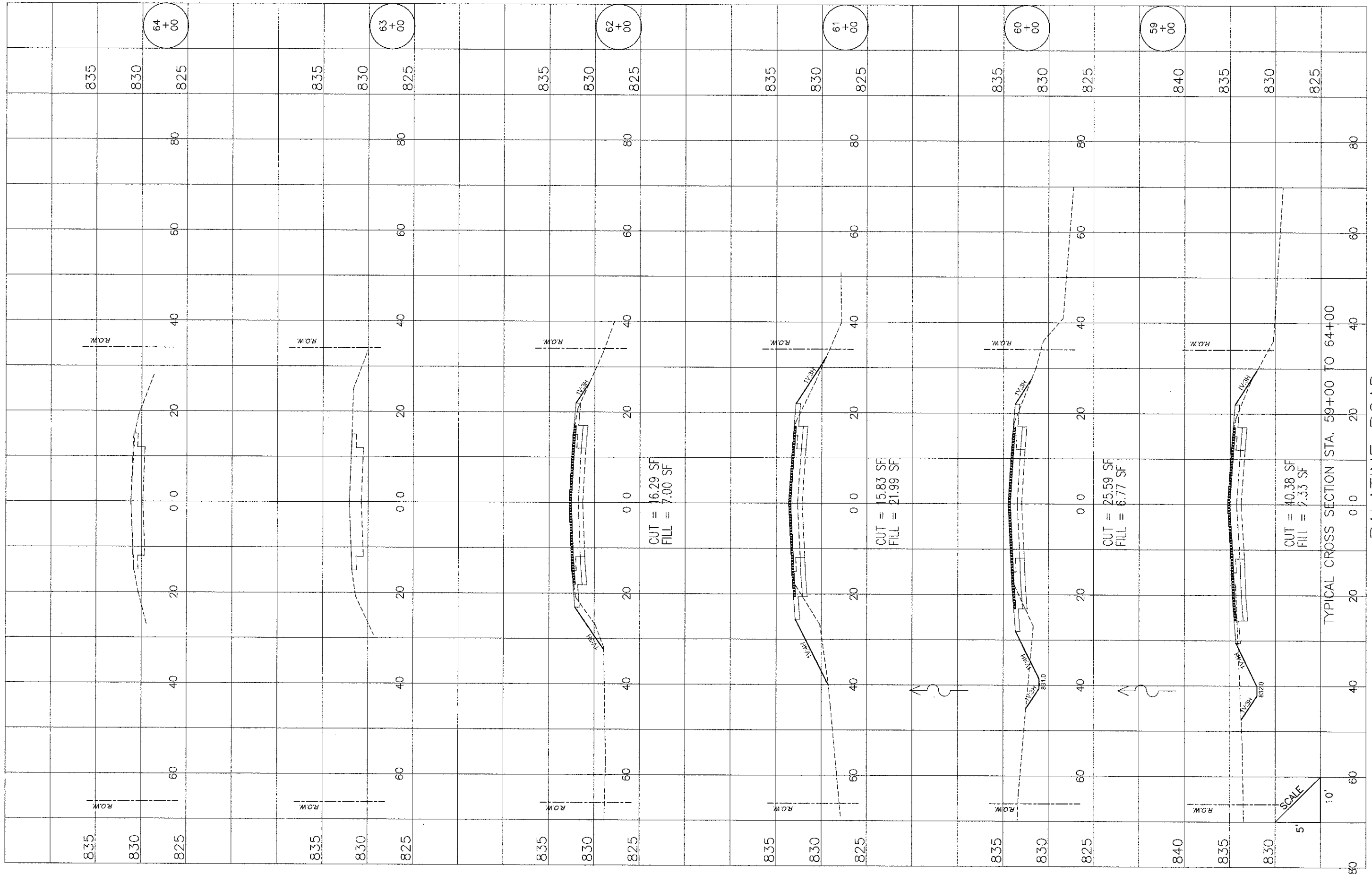
Palatine Road Widening STP Project
 Cross Sections

SCALE: SHEET NO. 9 OF 11 SHEETS STA. 53+00 TO STA. 58+00

F.A.U. RTE. 1285	SECTION 09-00082-00-CH	COUNTY Cook	TOTAL SHEETS 97	SHEET NO. 95
CONTRACT NO. 63749			ILLINOIS FED. AID PROJECT CMM 9003(492)	

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

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



FILE NAME = 100367-xsec.dwg

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DATE	=		REVISED	=	=

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

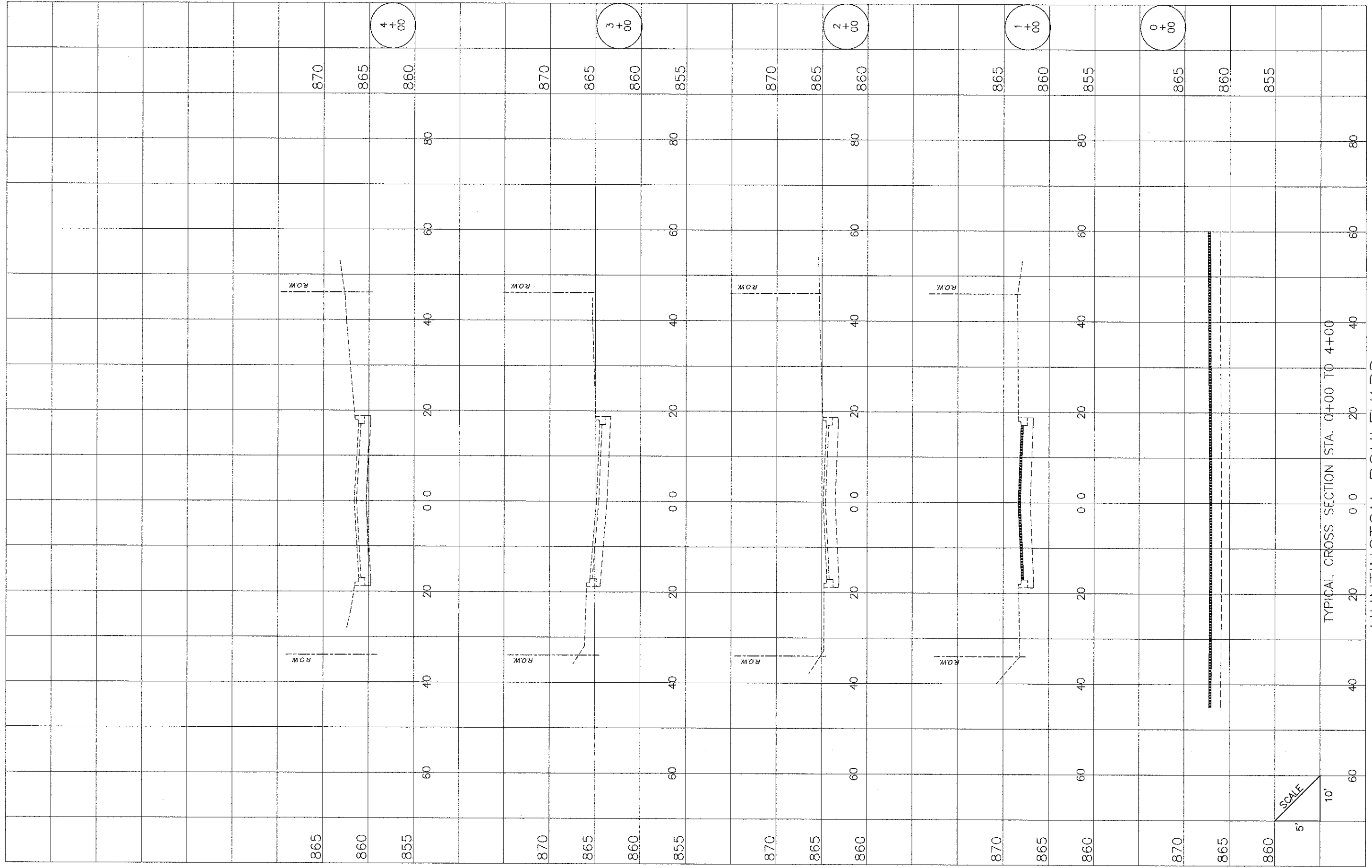
Palatine Road Widening STP Project
Cross Sections

SCALE: SHEET NO. 10 OF 11 SHEETS STA. 59+00 TO STA. 61+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	96
CONTRACT NO. 63749			ILLINOIS FED. AID PROJECT CMM 9003(492)	

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

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



TYPICAL CROSS SECTION STA. 0+00 TO 4+00

HUNTINGTON BOULEVARD

FILE NAME = 100367-xsec.dwg

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CHECKED	- CJM	REVISED	-
DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Palatine Road Widening STP Project
Cross Sections

SCALE: SHEET NO. 11 OF 11 SHEETS STA. 59+00 TO STA. 61+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	97
CONTRACT NO. 63749			ILLINOIS FED. AID PROJECT CMM 9003(492)	