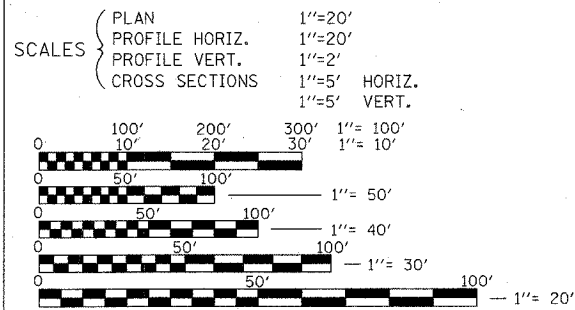


PLAN PREPARATION ENGINEER: JEFFREY R. SPIEKERMANN (312) 577-3300

FEDERAL AID DESIGN ENGINEER: JESSICA FELICIANO (847) 705-4487

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES, INDEX OF SCHEDULES
3-6	SUMMARY OF QUANTITIES
7-11	TYPICAL SECTIONS
12-26	QUANTITY SCHEDULES
27-28	ALIGNMENT AND TIES
29-41	PLAN AND PROFILE
42-57	TRAFFIC CONTROL PLAN
58-61	EROSION CONTROL PLAN
62-64	INTERSECTION DETAILS
65	DETENTION BASIN PLAN
66-70	CONSTRUCTION DETAILS
71-72	TEMPORARY SIGNAL PLAN
73-86	SIGNAL PLAN
87-149	CROSS SECTIONS
150-153	LCDOT DETAILS
154-156	BRIDGE PAINTING DETAILS
IDOT HIGHWAY STANDARDS	
IN CONTRACT DOCUMENTS	
001001 (1)	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001 (3)	TEMPORARY EROSION CONTROL SYSTEMS
424001 (4)	CURB RAMPS FOR SIDEWALKS
542301 (1)	PRECAST REINFORCED CONCRETE FLARED END SECTION
542311	GRATING FOR CONCRETE FLARED END SECTION (FOR 600 MM (24") THRU 1350 MM (54") PIPE)
602001	CATCH BASIN, TYPE A
602301 (1)	INLET, TYPE A
602306 (1)	INLET, TYPE B
602401 (1)	MANHOLE, TYPE A
602406 (2)	MANHOLE, TYPE A, 1.8 M (6') DIAMETER
602601 (1)	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604001 (2)	FRAME AND LIDS, TYPE 1
604036 (1)	GRATE, TYPE 8
604051 (2)	FRAME AND GRATE, TYPE 11
604091 (1)	FRAME AND GRATE, TYPE 24
606001 (3)	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606306 (2)	CORRUGATED PC CONCRETE MEDIANS
701306 (1)	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH
701326 (2)	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS >= 45 MPH
701336 (4)	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS >= 45 MPH
701501 (3)	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701602 (2)	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606 (4)	URBAN LANE CLOSURE, MULTILANE, 2W, WITH MOUNTABLE MEDIAN
701701 (4)	URBAN LANE CLOSURE, MULTILANE INTERSECTION
805001	ELECTRICAL SERVICE INSTALLATION DETAILS
814001 (4)	HANDHOLES
814006 (1)	DOUBLE HANDHOLES
857001	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
877011 (2)	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
878001 (5)	CONCRETE FOUNDATION DETAILS
880001	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006	TRAFFIC SIGNAL MOUNTING DETAILS
886001	DETECTOR LOOP INSTALLATIONS
886006	TYPICAL LAYOUT FOR DETECTION LOOPS

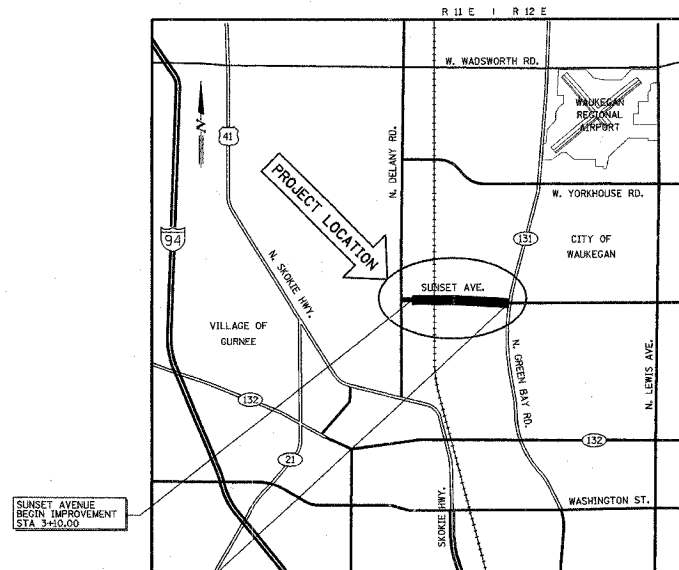


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

CONTRACT NO. 83847

LAKE COUNTY SECTION NO. 99-00169-05-WR

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY**  
**F.A.U. 1215 (SUNSET AVENUE)**  
**DELANY ROAD TO ILLINOIS ROUTE 131 (GREEN BAY ROAD)**  
**RECONSTRUCTION AND WIDENING**  
**SECTION NO. 99-00169-05-WR**  
**PROJECT NO. M-8003(121)**  
**JOB NO. C-91-423-01**  
**LAKE COUNTY**



LOCATION MAP

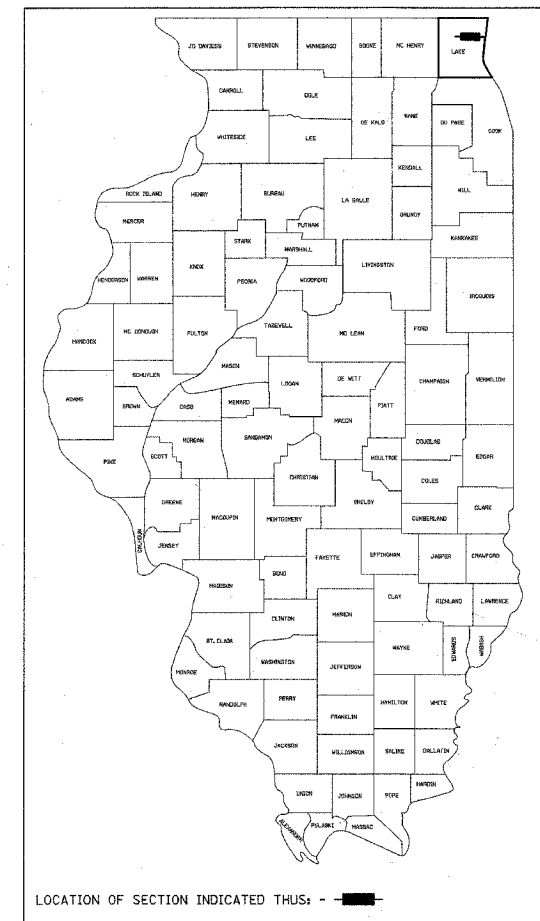
NET LENGTH OF PROJECT = 5171.97 L.F. = 0.98 MILES

DESIGN FUNCTIONAL CLASSIFICATION

MINOR ARTERIAL URBAN	DESIGN SPEED, 50 MPH (POSTED SPEED, 45 MPH)
DESIGN ADT 17470 (2024)	
SUNSET AVENUE (DELANY ROAD TO NORTHWESTERN AVENUE)	2828 (26) MINOR ARTERIAL 1.71 (B-20)
SUNSET AVENUE (NORTHWESTERN AVENUE TO IL RT 131)	3303 (26) MINOR ARTERIAL 1.40 (B-20)



FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	156	1
COVER SHEET				
CONTRACT NO. 83847		ILLINOIS	SUNSET AVENUE	



APPROVED: December 8, 2007  
Monty R. Bauler  
COUNTY ENGINEER

PASSED: JANUARY 3, 2007  
CHW CHRISTOPHER HOLT  
BUREAU CHIEF LOCAL ROADS & STREETS

Releasing for Bid: January 3, 2007  
Based on Limited Review: Diane O'Keefe  
DEPUTY DIRECTOR OF HIGHWAYS, REGIONAL ENGINEER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

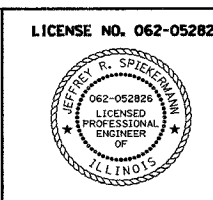
SIGNATURE: Jeffrey R. Spiekermann

DATE: 12-8-06

LIC #: 062-052826

EXP. DATE: 11-30-07

FIELD: CIVIL ENGINEER



**KNIGHT**  
Engineers & Architects

221 North LaSalle Street  
Suite 300  
Chicago, IL 60601-1211  
Phone: (312) 577-3300

FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	2
GENERAL NOTES				
CONTRACT NO. 83847				
SUNSET AVENUE				

### GENERAL NOTES

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2007, THE DETAILS IN THESE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE THE MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

THE CONTRACTOR WILL BE REQUIRED TO RELOCATE OR REMOVE AND REPLACE SIGNS WHICH INTERFERE WITH HIS CONSTRUCTION OPERATIONS, AND TO TEMPORARILY RESET ALL SUCH SIGNS DURING CONSTRUCTION OPERATIONS. THIS WORK WILL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT.

ALL WORK INVOLVING SIGNS SHALL BE GOVERNED BY THE FOLLOWING REQUIREMENTS:

- A) SIGNS SHALL NOT BE MOVED UNTIL PROGRESS OF WORK NECESSITATES IT.
- B) EVERY SIGN REMOVED MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND BE VISIBLE TO TRAFFIC FOR WHICH IT IS INTENDED. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING.
- C) ALL SIGNS SHALL BE RE-ERECTED IN PERMANENT LOCATIONS AS THE ROADWAY IS COMPLETED. HORIZONTAL LOCATION FROM THE EDGE OF PAVEMENT SHALL BE AS DESIGNATED BY THE ENGINEER.
- D) ALL UNUSED SIGNS WILL BE RETURNED TO THE COUNTY.
- E) LONGER POSTS MAY BE REQUIRED AT SOME TEMPORARY OR PERMANENT SIGN LOCATIONS TO MAINTAIN PROPER SIGN ELEVATIONS.

PUBLIC AND PRIVATE UTILITIES; THE CONTRACTOR WILL BE REQUIRED TO ASCERTAIN THE EXACT LOCATIONS OF UTILITIES AND EXERCISE CARE DURING HIS CONSTRUCTION OPERATIONS SO AS NOT TO DAMAGE THEM.

#### EARTH EXCAVATION

- A) THE REMOVAL OF EXISTING BITUMINOUS PAVEMENT AND AGGREGATE BASE COURSE SHALL BE CONSIDERED AS EARTH EXCAVATION.
- B) EXCAVATION REQUIRED TO CLEAN SIDEROAD DITCHES, CONSTRUCT DRIVEWAYS OR CONSTRUCT SIDEROAD APPROACHES SHALL BE CONSIDERED INCIDENTAL TO EARTH EXCAVATION.
- C) ALL EXCESS MATERIAL FROM SEWER TRENCHES, SIDEROADS, ENTRANCES OR OTHER NECESSARY EXCAVATIONS SHALL BE TESTED AND ALL SUITABLE MATERIAL SHALL BE USED IN THE CONSTRUCTION OF THE ROADWAY. PLACEMENT AND COMPACTION OF THIS MATERIAL SHALL BE CONSIDERED INCIDENTAL TO EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

#### DRAINAGE

- A) THE COST OF CONNECTING EXISTING STORM SEWERS TO THE PROPOSED DRAINAGE SYSTEM AND CONNECTING PROPOSED STORM SEWER TO EXISTING STRUCTURES SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT, HOWEVER, THE NECESSARY PIPE USED WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "STORM SEWER" OF THE SIZE REQUIRED.
- B) ALL EXISTING DRAINAGE FACILITIES, HEADWALLS AND FENCES NO LONGER REQUIRED, IN THE OPINION OF THE ENGINEER, SHALL BE REMOVED. THE COST OF REMOVAL OF EXISTING PIPE CULVERTS, STORM SEWERS, DRAINAGE STRUCTURES, CONCRETE HEADWALLS, FENCING OR OTHER OBSTRUCTIONS WHICH INTERFERE WITH THE PROPOSED IMPROVEMENTS AND WHICH ARE NOT SHOWN TO BE REMOVED AS A SEPARATE PAY ITEM SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

ANY OF THESE MATERIALS CONSIDERED SUITABLE FOR SALVAGE BY THE ENGINEER SHALL BE SLATED WITHIN THE RIGHT-OF-WAY FOR LATER REMOVAL BY THE LAKE COUNTY DIVISION OF TRANS. UNUSABLE MATERIALS SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY IN ACCORDANCE WITH SECTION 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. TRENCH BACKFILL AND/OR PAVEMENT REPLACEMENT AND/OR AGGREGATE BASE COURSE TYPE A WILL BE PAID FOR WHEN THE WORK LIES UNDER EXISTING PAVEMENT AREAS.

C) DURING THE CONSTRUCTION OPERATION WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR DRAINAGE STRUCTURES SO THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS ALL DRAINAGE STRUCTURES SHALL BE FREE FROM ALL DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

D) FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE COST.

E) UNLESS OTHERWISE NOTED, LOCATIONS SHOWN ON THE PLANS ARE TO THE EDGE OF PAVEMENT FOR STRUCTURES IN THE CURB AND TO THE CENTER OF STRUCTURE FOR ALL OTHERS. FOR STRUCTURES IN THE CURB, THE TOP OF FRAME (T/F) ELEVATION IS 0.02' BELOW THE EDGE OF PAVEMENT ELEVATION (1/4" PER LC6004). FLAT TOPS AND CONES ARE TO BE TURNED SO THAT THE FRAME IS CLOSEST TO THE CENTER LINE OF THE ROAD, UNLESS OTHERWISE NOTED ON THE STRUCTURE IN THE PLANS. ALL FLAT TOPS AND CONES SHALL BE ECCENTRIC.

F) BITUMINOUS OR CONCRETE PAVEMENT CROSSINGS SHALL NOT BE LEFT IN GRAVEL OVER NIGHT. THIS WILL INCLUDE THE MAIN ROAD, SIDE STREETS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES AND PARKING AREAS. TEMPORARY BITUMINOUS PATCHING AT THE CONTRACTOR'S EXPENSE SHALL BE USED IN LIEU OF IMMEDIATE PAVEMENT REPLACEMENT.

G) AT LOCATIONS WHERE THE PROPOSED STORM SEWER CROSSES OVER UTILITIES, A 4" STYROFOAM CUSHION SHALL BE PLACED UNDER THE STORM SEWER WHEN DIRECTED TO DO SO BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

#### DRIVEWAYS OR ENTRANCES

- A) EXISTING BITUMINOUS, CONCRETE, AND GRAVEL DRIVEWAYS AND ENTRANCES SHALL BE SURFACED TO THE RIGHT-OF-WAY WITH BITUMINOUS CONCRETE SURFACE COURSE AS SCHEDULED IN THE PLANS.
- B) EXISTING FIELD ENTRANCES SHALL BE BUILT UP IN PLACE TO THE RIGHT-OF-WAY WITH AGGREGATE BASE COURSE.
- C) THE CONTRACTOR SHALL CONSTRUCT ALL COMMERCIAL AND PRIVATE DRIVEWAYS IN ACCORDANCE WITH THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.

ALL ELEVATIONS SHOWN ON THESE PLANS ARE ON U.S.G.S. DATUM.

ANY REFERENCE TO STANDARDS IN THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE LATEST STANDARDS OF THE DEPARTMENT.

THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT SOME QUANTITIES ARE GIVEN IN BOTH SUMMARY FORM AND ON THE PLAN SHEETS. CARE SHOULD BE TAKEN TO AVOID DUPLICATION OF QUANTITIES.

### INDEX OF SCHEDULES

NUMBER	DESCRIPTION	SHEET
1	SCHEDULE OF TREE REMOVAL	12
2	SCHEDULE OF TREE TRUNK PROTECTION	12
3	SCHEDULE OF TREE ROOT PRUNING	12
4	SCHEDULE OF PERIMETER EROSION BARRIER	12
5	SCHEDULE OF TREE PLACEMENT	12
6	SCHEDULE OF OVERHEAD SIGN PANEL REMOVAL	12
7	SCHEDULE OF INLET PROTECTION (SPECIAL)	12
8	SCHEDULE OF TEMPORARY DITCH CHECKS (URETHANE FOAM GEOTEXTILE)	12
9	SCHEDULE OF EARTHWORK QUANTITIES	13
10	SCHEDULE OF POROUS GRANULAR EMBANKMENT, SPECIAL	13
11	SCHEDULE OF LANDSCAPE MATERIALS	14
12	SCHEDULE OF PAVEMENT QUANTITIES	15
13	SCHEDULE OF SURFACE COURSE	15
14	SCHEDULE OF FULL DEPTH BINDER COURSE	16
15	SCHEDULE OF VARIABLE DEPTH BINDER COURSE	16-17
16	SCHEDULE OF AGGREGATE SUBGRADE AND GEOTECHNICAL FABRIC	18
17	SCHEDULE OF DRIVEWAY PAVEMENT REMOVAL	18
18	SCHEDULE OF CLASS D PATCHES	18
19	SCHEDULE OF TEMPORARY PAVEMENT	18
20	SCHEDULE OF HMA SURFACE REMOVAL 1 1/2"	18
21	SCHEDULE OF SAWING BITUMINOUS CONCRETE PAVEMENT	18
22	SCHEDULE OF CURB AND GUTTER REMOVAL	19
23	SCHEDULE OF CURB AND GUTTER	19
24	SCHEDULE OF SIDEWALK	19
25	SCHEDULE OF PROTECTIVE COAT	19
26	SCHEDULE OF CORRUGATED MEDIAN	19
27	SCHEDULE OF PROPOSED STORM SEWERS	20
28	SCHEDULE OF PROPOSED DRAINAGE STRUCTURES	21-22
29	SCHEDULE OF STORM SEWER REMOVAL	23
30	SCHEDULE OF STORM SEWER TO BE FILLED	23
31	SCHEDULE OF MANHOLES TO BE ADJUSTED	23
32	SCHEDULE OF DRAINAGE STRUCTURE REMOVAL	23
33	SCHEDULE OF PIPE UNDERDRAINS (MODIFIED)	23
34	SCHEDULE OF FIRE HYDRANTS TO BE MOVED	23
35	SCHEDULE OF PAVEMENT MARKING REMOVAL	24
36	SCHEDULE OF SHORT TERM PAVEMENT MARKINGS	24
37	SCHEDULE OF TEMPORARY PAVEMENT MARKINGS	25
38	SCHEDULE OF THERMOPLASTIC PAVEMENT MARKINGS	26
39	SCHEDULE OF PAINT PAVEMENT MARKINGS	26
40	SCHEDULE OF RAISED REFLECTIVE PAVEMENT MARKERS	26
41	SCHEDULE OF RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	26

DATE	BY	REVISIONS	PLANNED	ALIGNED	CHECKED	BY	DATE
PLAN							
NOTE BOOK							
No.							

DATE	BY	REVISIONS	PLANNED	ALIGNED	CHECKED	BY	DATE
PROFILE							
NOTE BOOK							
No.							

REVISIONS	
NAME	DATE



SUNSET AVENUE

GENERAL NOTES

P&L	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
125	99-0069-05-WR	LAKE	153	3
SUMMARY OF QUANTITIES				
CONTRACT NO. 63847		KLING	SUNSET AVENUE	

DATE	BY	
DESIGNED	NOTED	
ALIGNED	CHECKED	
PLAN	NOTE BOOK	


DATE	BY	
DESIGNED	NOTED	
ORDER	CHECKED	
PROFILE	NOTE BOOK	

SUMMARY OF QUANTITIES					
CODE NO	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				IDOT	
				ROAD 1000-2A	SIGNALS Y031-1F
* 20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	105	105	
* 20101100	TREE TRUNK PROTECTION	EACH	2	2	
* 20101200	TREE ROOT PRUNING	EACH	7	7	
20200100	EARTH EXCAVATION	CU YD	34,581	34,581	
20700300	POROUS GRANULAR EMBANKMENT, SPECIAL	TON	360	360	
20800150	TRENCH BACKFILL	CU YD	2,948	2,948	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	45,668	45,668	
* 21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	23,031	23,031	
21301052	EXPLORATION TRENCH 52" DEPTH	FOOT	150	150	
* 25000210	SEEDING, CLASS 2A	ACRE	1	1	
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	389	389	
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	389	389	
25100630	EROSION CONTROL BLANKET	SQ YD	15,059	15,059	
* 25200110	SODDING, SALT TOLERANT	SQ YD	15,687	15,687	
25200200	SUPPLEMENTAL WATERING	UNIT	329	329	
* 28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	433	433	
28000400	PERIMETER EROSION BARRIER	FOOT	3,339	3,339	
35100100	AGGREGATE BASE COURSE, TYPE A	TON	534	534	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	5,846	5,846	
40600300	AGGREGATE (PRIME COAT)	TON	102	102	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	6	6	
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	12,537	12,537	
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	4,494	4,494	
42001300	PROTECTIVE COAT	SQ YD	4,449	4,449	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	2,335	2,335	
42400800	DETECTABLE WARNINGS	SQ FT	249	249	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL 1 1/2"	SQ YD	21,444	21,444	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	72	72	

SUMMARY OF QUANTITIES					
CODE NO	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				IDOT	
				ROAD 1000-2A	SIGNALS Y031-1F
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	9,558	9,558	
44000600	SIDEWALK REMOVAL	SQ FT	1,062	1,062	
44201974	CLASS D PATCHES, TYPE I	SQ YD	101	101	
44201976	CLASS D PATCHES, TYPE II	SQ YD	151	151	
44201978	CLASS D PATCHES, TYPE III	SQ YD	454	454	
44201980	CLASS D PATCHES, TYPE IV	SQ YD	303	303	
50104400	CONCRETE HEADWALL REMOVAL	EACH	1	1	
50600300	CLEANING AND PAINTING STEEL BRIDGE	L SUM	1	1	
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	2	2	
54215400	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS	EACH	1	1	
54247150	GRATING FOR CONCRETE FLARED END SECTION 30"	EACH	2	2	
542A0241	PIPE CULVERTS, CLASS A, TYPE 1 36"	FOOT	435	435	
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	263	263	
550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	49	49	
550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	424	424	
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	1,661	1,661	
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	73	73	
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	547	547	
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	949	949	
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	685	685	
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	217	217	
550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	FOOT	294	294	
550A0710	STORM SEWERS, CLASS A, TYPE 3 24"	FOOT	1,007	1,007	
550A0730	STORM SEWERS, CLASS A, TYPE 3 30"	FOOT	997	997	
550A0770	STORM SEWERS, CLASS A, TYPE 3 42"	FOOT	193	193	

\* DENOTES SPECIALTY ITEMS

REVISIONS	
NAME	DATE



**Lake County**  
Division of Transportation

SUNSET AVENUE

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES					
CODE NO	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				IDOT	
				ROAD 1000-2A	SIGNALS Y031-1F
55100200	STORM SEWER REMOVAL 6"	FOOT	587	587	
55100300	STORM SEWER REMOVAL 8"	FOOT	370	370	
55100400	STORM SEWER REMOVAL 10"	FOOT	155	155	
55100500	STORM SEWER REMOVAL 12"	FOOT	1,712	1,712	
55100900	STORM SEWER REMOVAL 18"	FOOT	52	52	
55101200	STORM SEWER REMOVAL 24"	FOOT	65	65	
55101400	STORM SEWER REMOVAL 30"	FOOT	875	875	
56400100	FIRE HYDRANTS TO BE MOVED	EACH	11	11	
60100905	PIPE DRAINS 4"	FOOT	150	150	
60100915	PIPE DRAINS 6"	FOOT	150	150	
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	8	8	
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	13	13	
60214714	RESTRICTED DEPTH CATCH BASINS, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	4	4	
60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	3	3	
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	22	22	
60221000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	3	3	
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	9	9	
60225300	RESTRICTED DEPTH MANHOLES, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	5	5	
60235300	INLETS, TYPE A, TYPE 1 FRAME, CLOSED LID	EACH	2	2	
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	4	4	
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	6	6	
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	34	34	

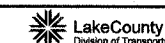
SUMMARY OF QUANTITIES					
CODE NO	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				IDOT	
				ROAD 1000-2A	SIGNALS Y031-1F
60247800	JUNCTION CHAMBER	EACH	1	1	
60255500	MANHOLES TO BE ADJUSTED	EACH	26	26	
60257700	MANHOLE ADJUSTING RING	EACH	5	5	
60500040	REMOVING MANHOLES	EACH	16	16	
60500050	REMOVING CATCH BASINS	EACH	59	59	
60500060	REMOVING INLETS	EACH	4	4	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1,846	1,846	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	8,632	8,632	
60605100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (ABUTTING EXISTING PAVEMENT)	FOOT	1,835	1,835	
60624600	CORRUGATED MEDIAN	SQ FT	2,753	2,753	
67100100	MOBILIZATION	L SUM	1	1	
70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1	1	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	6,418	6,418	
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1,238	1,238	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	56,452	56,452	
70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	13,389	13,389	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	3,651	3,651	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1,392	1,392	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	623	623	
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	6,418	6,418	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	11,387	11,387	
73600200	REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER	EACH	1	1	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	728	728	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	18,681	18,681	

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 PLAN  
 CHECKED: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 NO. \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 PROFILE  
 CHECKED: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 NO. \_\_\_\_\_

\* DENOTES SPECIALTY ITEMS

REVISIONS	
NAME	DATE



SUNSET AVENUE  
 SUMMARY OF QUANTITIES



FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	5
SUMMARY OF QUANTITIES				
CONTRACT NO. 83847		ILLINOIS	SUNSET AVENUE	

SUMMARY OF QUANTITIES					
CODE NO	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				IDOT	
				ROAD 1000-2A	SIGNALS Y031-1F
* 78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	1,082	1,082	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,784	1,784	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,322	1,322	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	191	191	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	2,667	2,667	
* 78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	9,770	9,770	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	266	266	
* 78300100	PAVEMENT MARKING REMOVAL	SQ FT	4,930	4,930	
* 78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	84	84	
* 81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	5,110		5,110
* 81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	153		153
* 81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	175		175
* 81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	168		168
* 81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	207		207
* 81400100	HANDHOLE	EACH	13		13
* 81400300	DOUBLE HANDHOLE	EACH	1		1
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2		2
* 85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1		1
* 86400100	TRANSCEIVER - FIBER OPTIC	EACH	2		2
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,292		1,292
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,862		2,862
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	849		849
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,629		1,629
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	90		90
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH	4		4

SUMMARY OF QUANTITIES					
CODE NO	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				IDOT	
				ROAD 1000-2A	SIGNALS Y031-1F
* 87600100	PEDESTRIAN PUSH-BUTTON POST, TYPE I	EACH	1		1
* 87704080	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 30 FT. (SPECIAL)	EACH	2		2
* 87704090	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 32 FT. (SPECIAL)	EACH	1		1
* 87704120	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 38 FT. (SPECIAL)	EACH	1		1
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16		16
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4
* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	60		60
* 87900200	DRILL EXISTING HANDHOLE	EACH	1		1
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM 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	8		8
* 88200110	TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	8		8
* 88600600	DETECTOR LOOP REPLACEMENT	FT	72		72
* 88700200	LIGHT DETECTOR	EACH	2		2
* 88700300	LIGHT DETECTOR AMPLIFIER	EACH	1		1
* 88800100	PEDESTRIAN PUSH BUTTON	EACH	8		8
* 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	258		258
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	10		10
* 89502380	REMOVE EXISTING HANDHOLE	EACH	4		4
* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9	1	8

\* DENOTES SPECIALTY ITEMS

DATE	
BY	
DESIGNED	
CHECKED	
NOTED	
ALIGNED	
CREATED	
FT. OF WAY CHECKED	
PLAN	
NOTE BOOK	
No.	

DATE	
BY	
DESIGNED	
CHECKED	
NOTED	
ALIGNED	
CREATED	
FT. OF WAY CHECKED	
PROFILE	
NOTE BOOK	
No.	

REVISIONS	
NAME	DATE



SUNSET AVENUE  
SUMMARY OF QUANTITIES

FILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1215	99-00169-05-WR	LAKE	153	6
SUMMARY OF QUANTITIES				
CONTRACT NO. 83847		ILLINOIS	SUNSET AVENUE	

SUMMARY OF QUANTITIES					
CODE NO	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				IDOT	
				ROAD 1000-2A	SIGNALS Y031-1F
* A2003324	TREE, FRAXINUS AMERICANA (WHITE ASH), 3" CALIPER, BALLED AND BURLAPPED	EACH	5	5	
* A2004320	TREE, FRAXINUS QUADRANGULATA (BLUE ASH), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	6	6	
* A2006520	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	4	4	
* A2007120	TREE, QUERCUS RUBRA (RED OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	4	4	
* XX003553	VIDEO TRANSMISSION SYSTEM	EACH	2		2
* XX003582	ELECTRIC CABLE IN CONDUIT, NO. 20 3/C	FOOT	558		558
* XX003860	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM24F SM12F	FOOT	6,074		6,074
* XX003861	ELECTRIC CABLE IN CONDUIT, COAXIAL	FOOT	446		446
XX004592	MANHOLES, TYPE A, 6"-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	1	1	
* XX004804	CONDUIT IN TRENCH, TRANSITION	EACH	1		1
* XX005723	VIDEO DETECTION SYSTEM COMPLETE INTERSECTION	EACH	1		1
* XX005940	REMOTE CONTROLLED VIDEO SYSTEM	EACH	2		2
* XX005922	ELECTRIC CABLE IN CONDUIT COMMUNICATION NO 16 5-1/2 PAIR	FOOT	868		868
* XX005937	LED INTERNALLY ILLUMINATED STREET NAME SIGNS	EACH	4		4
* XX008025	INTERSECTION MONITOR MODULE	EACH	1		1
* XX006661	UNINTERRUPTIBLE POWER SUPPLY	EACH	1		1

SUMMARY OF QUANTITIES					
CODE NO	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				IDOT	
				ROAD 1000-2A	SIGNALS Y031-1F
X0301834	STORM SEWER TO BE FILLED	FOOT	2,896	2,896	
X0320604	PAVEMENT REPLACEMENT, BITUMINOUS	SQ YD	734	734	
* X0322925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	5,678		5,678
* X0324603	CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING TSC CABINET	EACH	1		1
* X0329863	INTERCEPT EXISTING CONDUIT	EACH	1		1
X0712400	TEMPORARY PAVEMENT	SQ YD	350	350	
X2800105	TEMPORARY DITCH CHECKS, URETHANE FOAM/GEOTEXTILE	EACH	148	148	
X2800500	INLET PROTECTION, SPECIAL	EACH	79	79	
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	11	11	
X6013600	PIPE UNDERDRAINS 4" (MODIFIED)	FOOT	10,106	10,106	
X6700405	ENGINEER'S FIELD OFFICE, TYPE A (MODIFIED)	CAL MO	13	13	
* X8050015	SERVICE INSTALLATION - POLE MOUNTED	EACH	1		1
* X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6, 1C	FOOT	669		669
Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	23,020	23,020	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	
Z0062400	SAWING BITUMINOUS CONCRETE PAVEMENT	FT	1,702	1,702	
Δ Z0076800	TRAINEES	HOURL	1,000	1,000	

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SUPERVISOR: \_\_\_\_\_  
 ALIGNED CHECKED: \_\_\_\_\_  
 PLAN NOTE BOOK NO. \_\_\_\_\_  
 FT. OF WAY CHECKED: \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SUPERVISOR: \_\_\_\_\_  
 GRADING CHECKED: \_\_\_\_\_  
 PROFILE NOTE BOOK NO. \_\_\_\_\_  
 STRUCTURE NOTATIONS CHECKED: \_\_\_\_\_

\* DENOTES SPECIALTY ITEMS  
 Δ Y080

REVISIONS	
NAME	DATE



SUNSET AVENUE  
 SUMMARY OF QUANTITIES

FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
125	99-0069-05-WR	LAKE	153	7

TYPICAL CROSS SECTIONS & EXISTING CONDITIONS

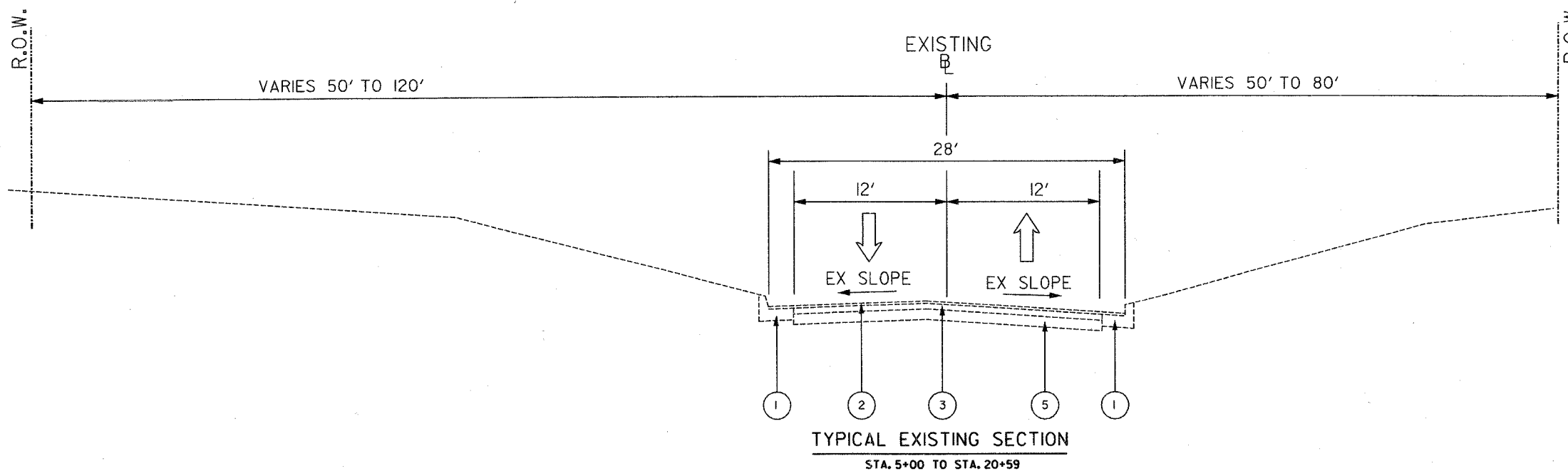
CONTRACT NO.	NAME	ADDRESS
83847	LAKE	SUNSET AVENUE

**ROW TABLE**  
(OFFSETS FROM EXISTING BASELINE)

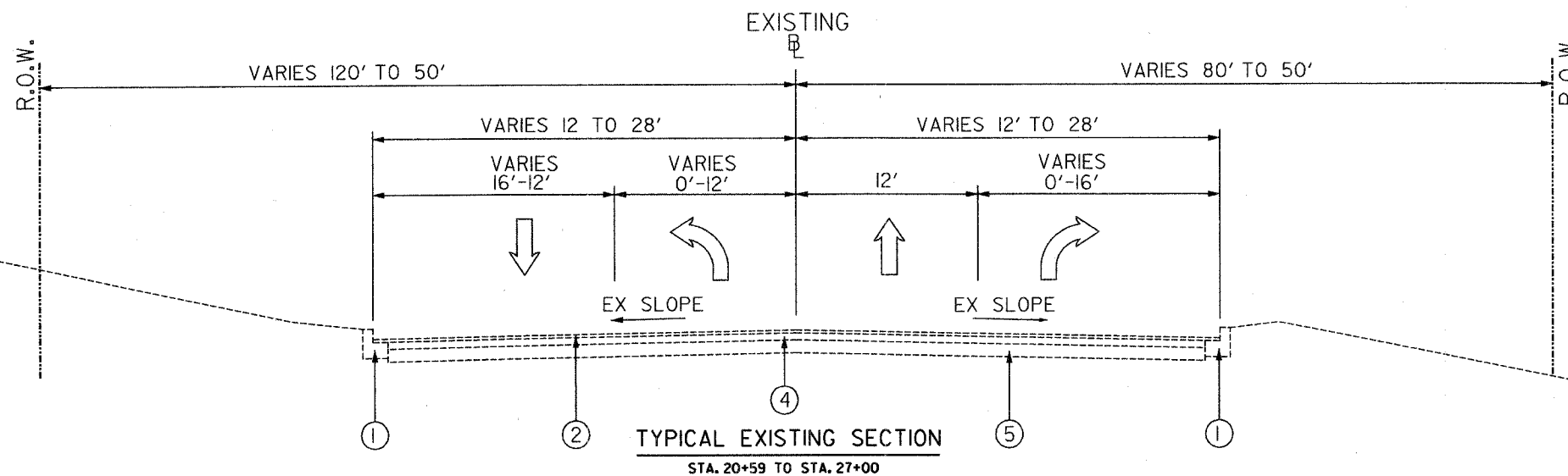
STA.	ROW LT	ROW RT
4+29.10	50.00	50.00
10+29.40	120.00	80.00
19+70.60	120.00	80.00
25+70.90	50.00	50.00
25+91.80	--	50.00
25+97.06	50.00	--
26+16.79	--	74.39
26+22.05	75.48	--
26+82.37	135.00	--
26+86.84	50.00	--
27+00.48	75.00	--
27+20.00	50.00	--
35+82.38	--	50.00-60.00
46+51.29	50.00	--
46+70.79	--	60.00
46+76.41	76.41	--
46+81.28	--	80.00
47+36.91	74.00	--
47+40.94	--	80.00
47+50.44	--	60.00
47+62.04	50.00	--
49+00.00	--	60.00-50.00
54.40.28	50.00	--
54+41.56	--	50.00

**EXISTING LEGEND**

- ① EXISTING B-6.12 CURB AND GUTTER TO BE REMOVED
- ② 1 1/2" BITUMINOUS OVERLAY (BY RECORDS)
- ③ 5 1/2" BITUMINOUS PAVEMENT (BY RECORDS)
- ④ 8 1/2" BITUMINOUS PAVEMENT (BY RECORDS)
- ⑤ 10" BITUMINOUS AGGREGATE MIX (BY RECORDS)



**TYPICAL EXISTING SECTION**  
STA. 5+00 TO STA. 20+59



**TYPICAL EXISTING SECTION**  
STA. 20+59 TO STA. 27+00

**FLEXIBLE PAVEMENT DESIGN**

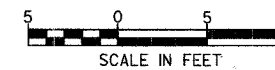
DATE = 04-19-06  
 PROJECT = SUNSET AVENUE (WEST OF NW AVE)  
 YEAR OF ADT = 2006  
 ADT = 14141  
 ANNUAL GROWTH PERCENTAGE (NON-COMPOUNDED) = 3%  
 GROWTH = 3% PER YEAR x 1/2 DESIGN PERIOD x ADT = 4242  
 SPECIAL ADJUSTMENTS FOR KNOWN DEVELOPMENT = 0  
 DESIGN PERIOD IN YEARS = 20  
 CONSTRUCTION YEAR = 2006  
 STRUCTURAL DESIGN TRAFFIC (SDT) = 18383  
 PC = 95.7% = 17593  
 SU = 3% = 551  
 MU = 1.3% = 239  
 LOAD LIMIT (73,280 STANDARD) OR 80,000 = 80000  
 CLASS ROAD (1,2,3,4) = 1  
 SUBGRADE SUPPORT RATING = POOR  
 FLEXIBLE TRAFFIC FACTOR (TF) = 1.71  
 SELECTED DESIGN AC TYPE = PG 64-22 (OLD AC-20)  
 DESIGN AC MIXTURE TEMPERATURE (DEGREES F) = 76  
 DESIGN BITUMINOUS CONCRETE MODULES = 650  
 DESIGN AC MICROSTRAIN = 91.4  
 PAVEMENT THICKNESS REQUIRED (INCHES) = 10.25  
 SUBGRADE = 12" GRAVEL

**FLEXIBLE PAVEMENT DESIGN**

DATE = 04-19-06  
 PROJECT = SUNSET AVENUE (EAST OF NW AVE)  
 YEAR OF ADT = 2006  
 ADT = 16513  
 ANNUAL GROWTH PERCENTAGE (NON-COMPOUNDED) = 3%  
 GROWTH = 3% PER YEAR x 1/2 DESIGN PERIOD x ADT = 4954  
 SPECIAL ADJUSTMENTS FOR KNOWN DEVELOPMENT = 0  
 DESIGN PERIOD IN YEARS = 20  
 CONSTRUCTION YEAR = 2006  
 STRUCTURAL DESIGN TRAFFIC (SDT) = 21467  
 PC = 97% = 20823  
 SU = 2.1% = 451  
 MU = 0.9% = 193  
 LOAD LIMIT (73,280 STANDARD) OR 80,000 = 80000  
 CLASS ROAD (1,2,3,4) = 1  
 SUBGRADE SUPPORT RATING = POOR  
 FLEXIBLE TRAFFIC FACTOR (TF) = 1.40  
 SELECTED DESIGN AC TYPE = PG 64-22 (OLD AC-20)  
 DESIGN AC MIXTURE TEMPERATURE (DEGREES F) = 76  
 DESIGN BITUMINOUS CONCRETE MODULES = 650  
 DESIGN AC MICROSTRAIN = 97  
 PAVEMENT THICKNESS REQUIRED (INCHES) = 9.75  
 SUBGRADE = 12" GRAVEL

HOT-MIX ASPHALT MIXTURE REQUIREMENTS			
DESCRIPTION	AC TYPE	AIR VOIDS	THICKNESS
TEMPORARY PAVEMENT	PG 64-22 *	4% @ 50 GYRATION	8"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	PG 64-22	4% @ 70 GYRATION	1 1/2" & 2"
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	PG 64-22 *	4% @ 70 GYRATION	8 1/4" & 8 1/2"
VARIABLE DEPTH HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	PG 64-22 *	4% @ 70 GYRATION	1 3/4" - 1"
CLASS D PATCHES, TYPES I-IV	PG 64-22 *	4% @ 70 GYRATION	10" BINDER

- NOTES:  
 1.) THE UNIT WEIGHT USED TO CALCULATE BITUMINOUS SURFACE MIXTURES IS 115 LB/SY PER IN THICKNESS.  
 2.) \* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.



REVISIONS	
NAME	DATE



**SUNSET AVENUE**  
**TYPICAL CROSS SECTIONS**  
**EXISTING CONDITIONS**

DATE	BY	REVISION

**PLAN**  
 SURVEYED  
 PLANNED  
 ALIGNED  
 CHECKED  
 RT. OF WAY CHECKED  
 NOTE BOOK  
 No. \_\_\_\_\_

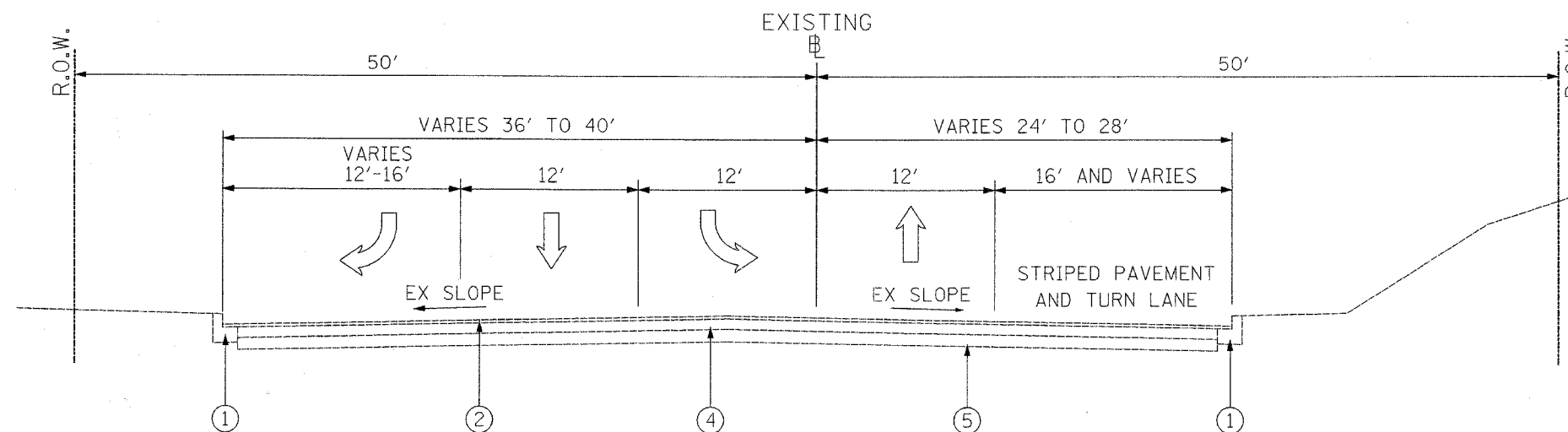
DATE	BY	REVISION

**PROFILE**  
 SURVEYED  
 GRADES CHECKED  
 S.M.S. NOTES  
 STRUCTURE NOTATIONS CHECKED  
 NOTE BOOK  
 No. \_\_\_\_\_

FALL YR.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	8
TYPICAL CROSS SECTIONS; EXISTING CONDITIONS				
CONTRACT NO. 83847		ALPMS	SUNSET AVENUE	

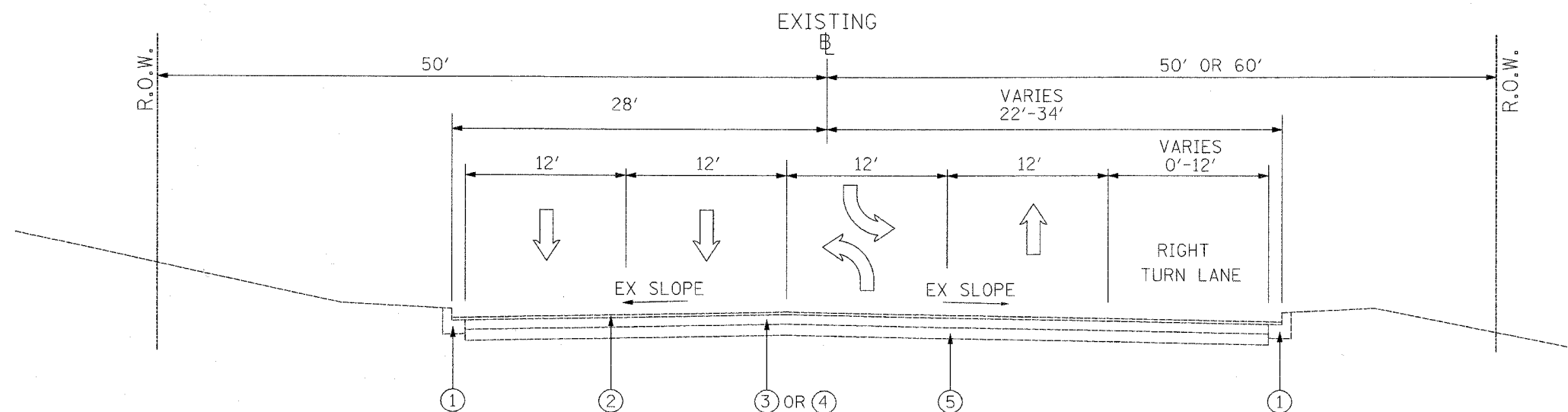
**ROW TABLE**  
(OFFSETS FROM EXISTING BASELINE)

STA.	ROW LT	ROW RT
4+29.10	50.00	50.00
10+29.40	120.00	80.00
19+70.60	120.00	80.00
25+70.90	50.00	50.00
25+91.80	--	50.00
25+97.06	50.00	--
26+16.79	--	74.39
26+22.05	75.48	--
26+82.37	135.00	--
26+86.84	50.00	--
27+00.48	75.00	--
27+20.00	50.00	--
35+82.38	--	50.00-60.00
46+51.29	50.00	--
46+70.79	--	60.00
46+76.41	76.41	--
46+81.28	--	80.00
47+36.91	74.00	--
47+40.94	--	80.00
47+50.44	--	60.00
47+62.04	50.00	--
49+00.00	--	60.00-50.00
54.40.28	50.00	--
54+41.56	--	50.00



**TYPICAL EXISTING SECTION**

STA. 27+00 TO STA. 31+00



**TYPICAL EXISTING SECTION**

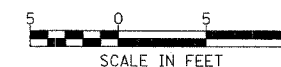
STA. 31+00 TO STA. 51+00

NOTE:

BITUMINOUS PAVEMENT THICKNESS IS 8 1/2" FROM STA. 31+00 TO STA. 35+42, AND 5 1/2" FROM STA. 35+42 TO STA. 51+00

**EXISTING LEGEND**

- ① EXISTING B-6.12 CURB AND GUTTER TO BE REMOVED
- ② 1 1/2" BITUMINOUS OVERLAY (BY RECORDS)
- ③ 5 1/2" BITUMINOUS PAVEMENT (BY RECORDS)
- ④ 8 1/2" BITUMINOUS PAVEMENT (BY RECORDS)
- ⑤ 10" BITUMINOUS AGGREGATE MIX (BY RECORDS)



REVISIONS	
NAME	DATE



**SUNSET AVENUE**  
**TYPICAL CROSS SECTIONS**  
**EXISTING CONDITIONS**

DATE	
BY	
DESIGNED	
CHECKED	
PLANNED	
NOTED	
APPROVED	
DATE	
BY	
PLAN	
NOTE BOOK	
No.	

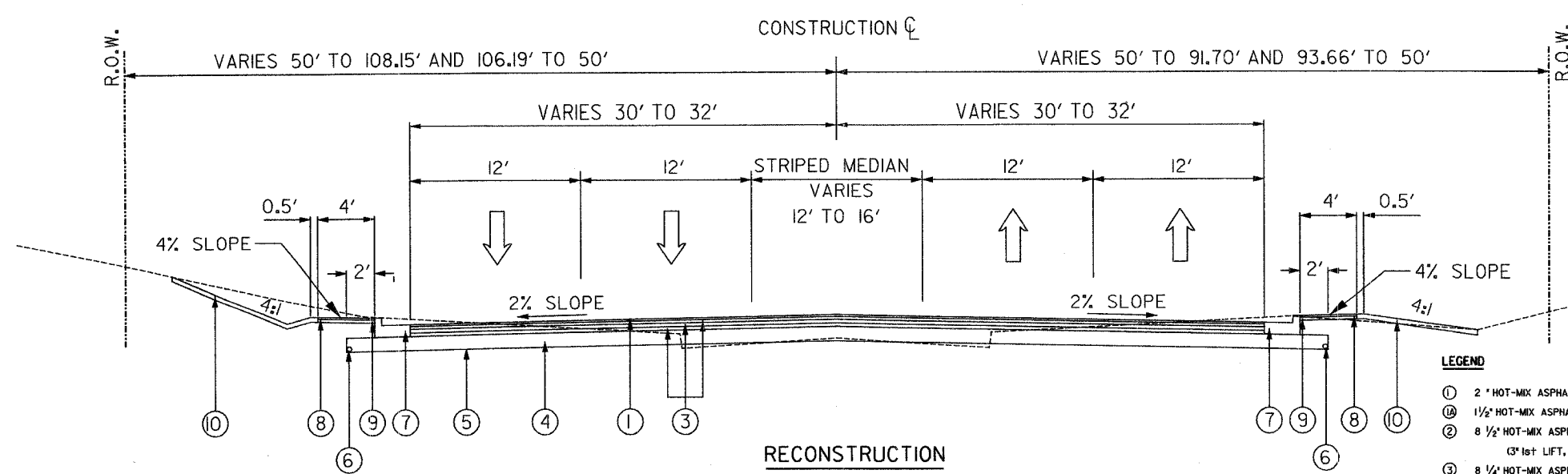
DATE	
BY	
DESIGNED	
CHECKED	
PLANNED	
NOTED	
APPROVED	
DATE	
BY	
PROFILE	
NOTE BOOK	
No.	



FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-0069-05-WR	LAKE	153	10
TYPICAL CROSS SECTIONS: PROPOSED CONDITIONS				
CONTRACT NO. 83847		LAKE	SUNSET AVENUE	

**ROW TABLE**  
OFFSETS FROM CONSTRUCTION CENTERLINE)

STA.	ROW LT	ROW RT
4+29.10	50.00	50.00
10+25.99	--	91.69
10+33.84	108.15	--
19+66.90	106.19	--
19+74.69	--	93.66
25+60.41	--	50.56
25+71.52	50.00	--
25+77.29	50.00	--
98+96.67 (NW)	38.30	--
100+97.15 (NW)	30.96	--
101+33.91 (NW)	--	30.60
99+03.19 (NW)	--	31.96
100+73.25 (NW)	--	46.35
27+20.00	50.00	--
27+32.95	--	50.00
35+82.38	--	50.00-60.00
46+51.29	50.00	--
46+70.8	--	60.0
46+76.41	76.17	--
46+81.28	--	80.00
47+36.91	74.00	--
47+40.94	--	80.00
47+50.44	--	60.00
47+62.04	50.00	--
49+00.00	--	60.00-50.00
54+40.28	--	50.00
54+41.56	50.00	--

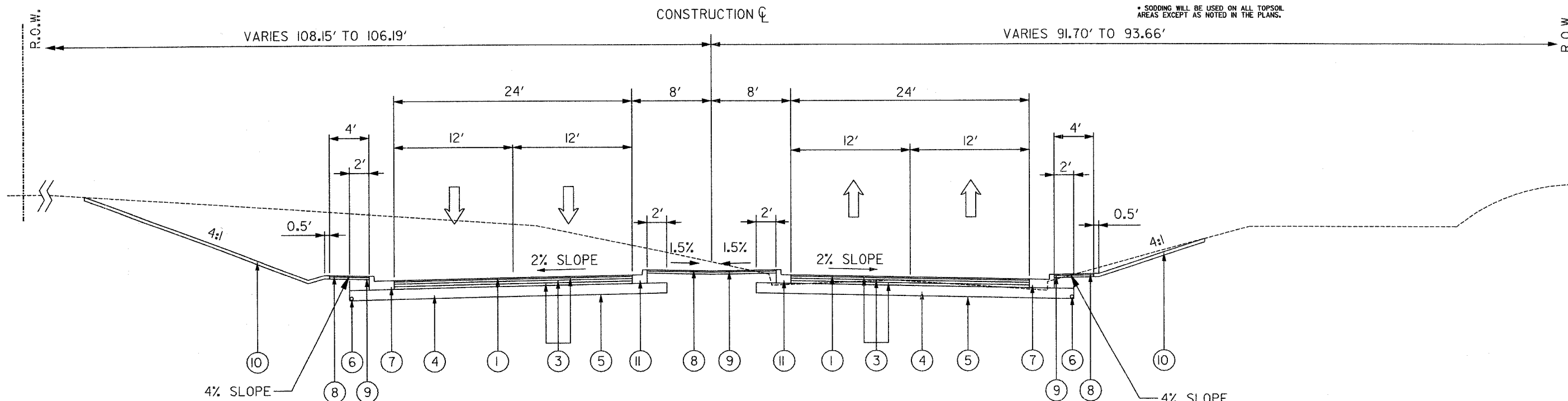


**RECONSTRUCTION**  
STA. 5+00.00 TO STA. 10+77.55  
STA. 19+84.90 TO STA. 23+96.00

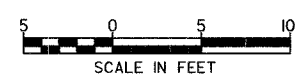
\*RESURFACE FROM 5+00 TO END OF STORAGE LANES AT STA. 3+10  
(BIT SURFACE REMOVAL 1/2")  
(BIT CONC SURFACE COURSE 1/2")

**LEGEND**

- ① 2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70
  - ② 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70
  - ③ 8 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70  
(3" 1st LIFT, 3" 2nd LIFT, 2 1/2" 3rd LIFT)
  - ④ 8 1/4" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70  
(3" 1st LIFT, 3" 2nd LIFT, 2 1/4" 3rd LIFT)
  - ⑤ 12" AGGREGATE SUBGRADE
  - ⑥ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
  - ⑦ 4" PIPE UNDERDRAIN
  - ⑧ PROPOSED COMBINATION CONCRETE CURB AND GUTTER B-6.24
  - ⑨ 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70
  - ⑩ 2 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70
  - ⑪ 4" FURNISHING AND PLACING TOPSOIL
  - ⑫ PROPOSED COMBINATION CONCRETE CURB AND GUTTER B-6.12 (SLOPE 2% TOWARDS PAVEMENT)
  - ⑬ HOT-MIX ASPHALT SURFACE REMOVAL 1/2"
  - ⑭ VARIABLE DEPTH HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70
- \* SODDING WILL BE USED ON ALL TOPSOIL AREAS EXCEPT AS NOTED IN THE PLANS.



**RECONSTRUCTION WITH WIDENING AND MEDIAN**  
STA. 10+77.55 TO STA. 19+84.90



REVISIONS	
NAME	DATE

Lake County  
Division of Transportation

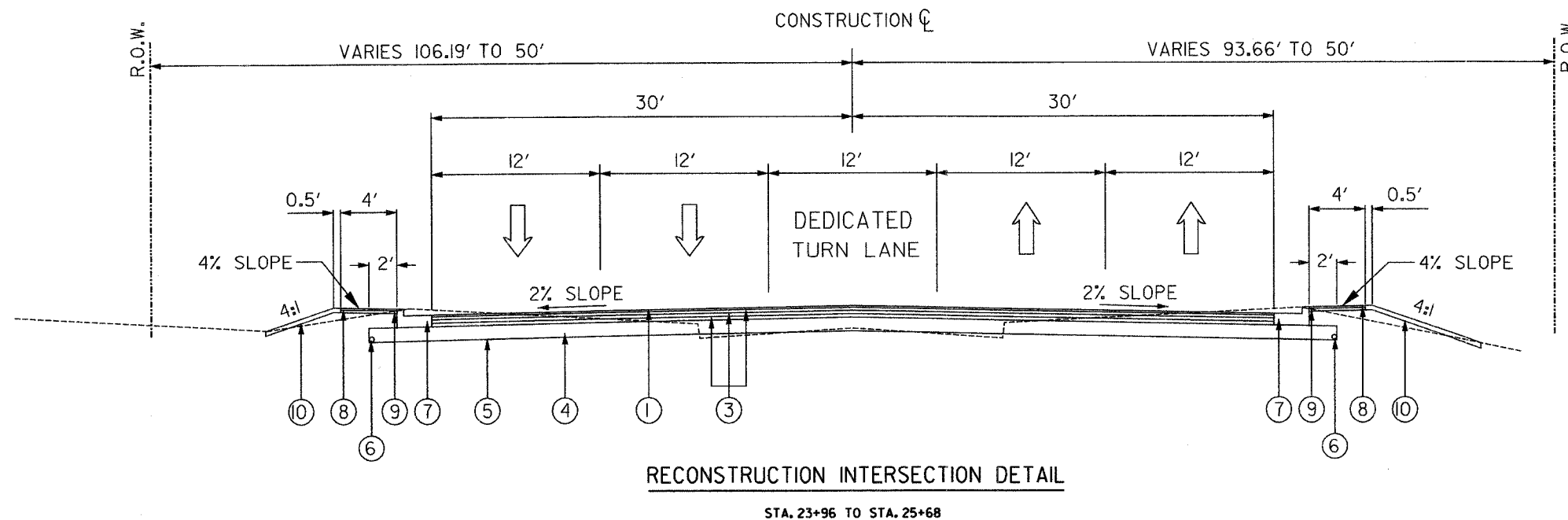
**SUNSET AVENUE**  
TYPICAL CROSS SECTIONS  
PROPOSED CONDITIONS

**PLAN**  
DATE: \_\_\_\_\_  
BY: \_\_\_\_\_  
CHECKED: \_\_\_\_\_  
NO. \_\_\_\_\_

**PROFILE**  
DATE: \_\_\_\_\_  
BY: \_\_\_\_\_  
CHECKED: \_\_\_\_\_  
NO. \_\_\_\_\_

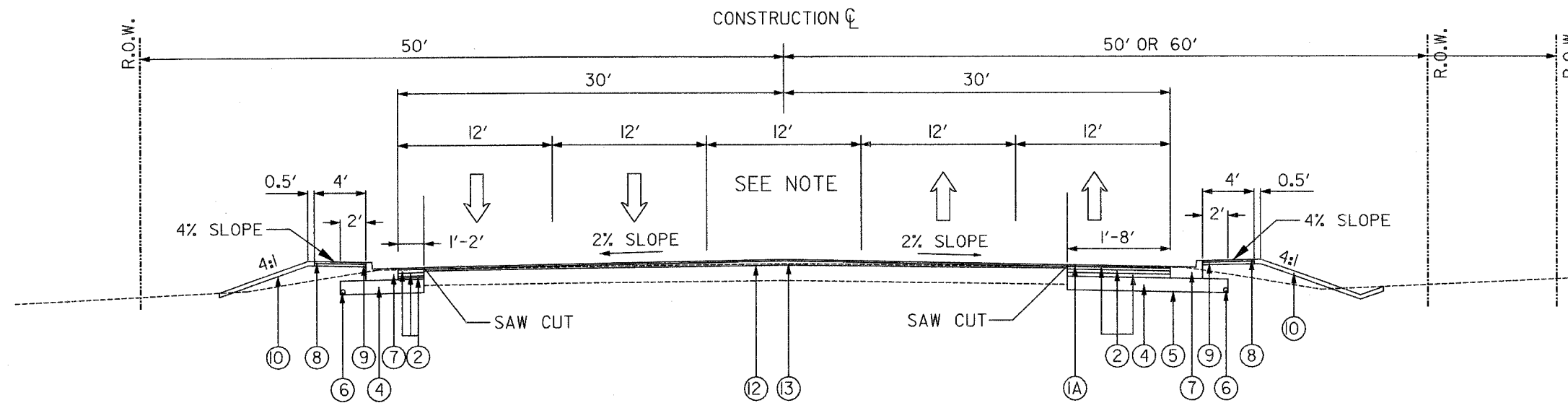


FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
125	99-0069-05-WR	LAKE	153	11
TYPICAL CROSS SECTIONS: PROPOSED CONDITIONS				
CONTRACT NO. 83847		SUNSET AVENUE		



**ROW TABLE**  
(OFFSETS FROM CONSTRUCTION CENTERLINE)

STA.	ROW LT	ROW RT
4+29.10	50.00	50.00
10+25.99	--	91.69
10+33.84	108.15	--
19+66.90	106.19	--
19+74.69	--	93.66
25+60.41	--	50.56
25+71.52	50.00	--
25+77.29	50.00	--
98+96.67 (NW)	38.30	--
100+97.15 (NW)	30.96	--
101+33.91 (NW)	--	30.60
99+03.19 (NW)	--	31.96
100+73.25 (NW)	--	46.35
27+20.00	50.00	--
27+32.95	--	50.00
35+82.38	--	50.00-60.00
46+51.29	50.00	--
46+70.8	--	60.0
46+76.41	76.17	--
46+81.28	--	80.00
47+36.91	74.00	--
47+40.94	--	80.00
47+50.44	--	60.00
47+62.04	50.00	--
49+00.00	--	60.00-50.00
54+40.28	--	50.00
54+41.56	50.00	--



**LEGEND**

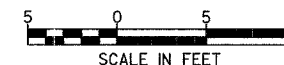
- ① 2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70
- ② 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70
- ③ 8 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70  
(3" 1st LIFT, 3" 2nd LIFT, 2 1/2" 3rd LIFT)
- ④ 8 1/4" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70  
(3" 1st LIFT, 3" 2nd LIFT, 2 1/4" 3rd LIFT)
- ⑤ 12" AGGREGATE SUBGRADE
- ⑥ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑦ 4" PIPE UNDERDRAIN
- ⑧ PROPOSED COMBINATION CONCRETE CURB AND GUTTER B-6.24
- ⑨ 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70
- ⑩ 2 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70
- ⑪ \* FURNISHING AND PLACING TOPSOIL
- ⑫ PROPOSED COMBINATION CONCRETE CURB AND GUTTER B-6J2 (SLOPE 2% TOWARDS PAVEMENT)
- ⑬ HOT-MIX ASPHALT SURFACE REMOVAL 1/2"
- ⑭ VARIABLE DEPTH HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70

\* SODDING WILL BE USED ON ALL TOPSOIL AREAS EXCEPT AS NOTED IN THE PLANS.

**RESURFACING AND WIDENING**

STA. 25+68 TO STA. 53+58

**NOTE:**  
LEFT TURN LANE FROM STA. 25+68 TO STA. 29+10.  
DUAL LEFT TURN LANE FROM STA. 29+10 TO STA. 45+53.  
LEFT TURN LANE FROM STA. 45+53 TO STA. 48+81.  
DUAL LEFT TURN LANE FROM STA. 48+81 TO STA. 53+58.



REVISIONS	
NAME	DATE



**SUNSET AVENUE**  
**TYPICAL CROSS SECTIONS**  
**PROPOSED CONDITIONS**

DATE	
BY	
CHKD	
APP'D	
REVISIONS	
PLAN	
NOTE BOOK	
NO.	

DATE	
BY	
CHKD	
APP'D	
REVISIONS	
PROFILE	
NOTE BOOK	
NO.	

PAGE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	12
SCHEDULES				
CONTRACT NO. 83847 ILLINOIS SUNSET AVENUE				

1 TREE REMOVAL (6 TO 15 UNITS DIAMETER) 20100110				
STA	OFFSET	LT/RT	(UNITS)	
16+49.29	83.36	LT	6	
16+58.86	74.62	LT	6	
16+72.03	67.01	LT	6	
16+98.31	67.76	LT	12	
17+08.27	68.79	LT	12	
17+15.09	75.78	LT	8	
26+09.90	72.01	RT	7	
26+24.51	98.45	RT	15	
39+79.87	54.44	RT	8	
TOTAL				105

2 TREE TRUNK PROTECTION 20101100					
STA	OFFSET	LT/RT	SIZE (IN)	EACH	
25+66.32	40.83	RT	8	1	
50+82.38	41.02	LT	10	1	
TOTAL					2

3 TREE ROOT PRUNING 20101200					
STA	OFFSET	LT/RT	SIZE (IN)	EACH	
25+66.32	40.83	RT	8	1	
50+82.38	41.02	LT	10	1	
51+58.40	52.08	RT	2	1	
51+72.22	52.05	RT	2	1	
51+86.17	52.01	RT	2	1	
52+23.13	51.97	RT	2	1	
52+48.02	51.98	RT	2	1	
TOTAL					7

4 PERIMETER EROSION BARRIER 28000400			
FROM	TO	LT/RT	LENGTH (FT)
4+50.00	6+02.44	LT	158.5
24+00.00	25+95.57	RT	198.0
26+74.16	31+04.67	LT	536.2
29+50.03	30+83.90	LT	601.6
33+44.86	34+10.80	LT	68.0
34+66.21	36+31.74	LT	166.6
36+66.86	38+37.19	LT	171.7
38+64.58	42+73.53	LT	410.0
45+40.70	46+79.36	LT	155.7
47+34.79	49+58.87	LT	241.9
51+44.03	52+64.35	RT	120.8
51+46.06	53+33.45	LT	186.9
52+92.29	54+92.74	RT	200.8
53+78.96	55+00.00	LT	121.9
TOTAL			3339

5 SCHEDULE OF TREE PLACEMENT						
TREE, FRAXINUS AMERICANA (WHITE ASH), 3" CALIPER, BALLED AND BURLAPPED A2003324						
STA	OFFSET	LT/RT	SIZE (IN)	EACH		
20+04.14	83.92	LT	3	1		
20+92.71	76.01	LT	3	1		
21+52.47	70.67	LT	3	1		
22+12.79	65.03	LT	3	1		
22+72.94	58.96	LT	3	1		
TOTAL						5
TREE, FRAXINUS QUADRANGULATA (BLUE ASH), 2-1/2" CALIPER, BALLED AND BURLAPPED A2004320						
STA	OFFSET	LT/RT	SIZE (IN)	EACH		
19+74.37	86.59	LT	2.5	1		
20+62.82	78.68	LT	2.5	1		
21+22.59	73.34	LT	2.5	1		
21+82.69	67.90	LT	2.5	1		
22+42.88	62.05	LT	2.5	1		
23+02.98	55.76	LT	2.5	1		
TOTAL						6
TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED A2006520						
STA	OFFSET	LT/RT	SIZE (IN)	EACH		
9+41.23	76.28	LT	2.5	1		
10+01.11	77.88	LT	2.5	1		
10+61.19	79.49	LT	2.5	1		
11+20.56	83.65	LT	2.5	1		
TOTAL						4
TREE, QUERCUS RUBRA (RED OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED A2007120						
STA	OFFSET	LT/RT	SIZE (IN)	EACH		
9+71.12	77.08	LT	2.5	1		
10+31.20	78.68	LT	2.5	1		
10+90.96	80.30	LT	2.5	1		
11+49.80	88.85	LT	2.5	1		
TOTAL						4

TREE TYPE LEGEND	
ABBREVIATION	TYPE
AL	AMERICAN LINDEN
AP	AUSTRIAN PINE
BA	BLUE ASH
BC	BLACK CHERRY
BE	BOX ELDER
BL	BLACK LOCUST
BO	BUR OAK
CW	COTTONWOOD
GA	GREEN ASH
HB	HACKBERRY
HC	HORSE CHESTNUT
HL	HONEY LOCUST
J	JUNIPER
KC	KENTUCKY COFFEETREE
NM	NORWAY MAPLE
P	PLUM
PB	PAPER BIRCH
RM	RED MAPLE
RO	RED OAK
SE	SIBERIAN ELM
SLM	SILVER MAPLE
SM	SUGARMAPLE
SWO	SWAMP WHITE OAK
WA	WHITE ASH

6 SCHEDULE OF OVERHEAD SIGN PANEL REMOVAL			
STA	LT/RT	REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER (EACH) 73600200	REMOVE EXISTING CONCRETE FOUNDATION (EACH) 89502385
40+88.03	LT	1	1
TOTAL		1	1


7 INLET PROTECTION, SPECIAL X2800500				
STATION	OFFSET	LT/RT	COUNT	
9+31.00	32.00	LT	1	
9+31.00	32.00	RT	1	
11+04.03	32.00	LT	1	
11+04.04	32.00	RT	1	
11+56.97	0.00	CL	1	
13+15.00	32.00	LT	1	
13+15.00	0.00	CL	1	
13+15.00	32.00	RT	1	
14+71.08	0.00	CL	1	
14+74.86	45.07	LT	1	
14+81.04	45.75	RT	1	
14+90.54	3.75	LT	1	
14+94.16	32.00	LT	1	
14+94.16	32.00	RT	1	
15+09.29	32.00	LT	1	
15+09.29	32.00	RT	1	
15+24.16	32.00	LT	1	
15+24.16	32.00	RT	1	
15+27.79	3.75	LT	1	
15+34.00	45.07	LT	1	
15+40.45	44.90	RT	1	
15+47.20	0.00	CL	1	
17+62.98	32.00	LT	1	
17+62.98	0.00	CL	1	
17+62.98	32.00	RT	1	
18+73.65	0.00	CL	1	
20+12.51	32.00	LT	1	
20+12.51	32.00	RT	1	
22+62.05	31.43	RT	1	
22+62.05	31.43	LT	1	
24+90.00	30.08	LT	1	
24+90.00	30.00	RT	1	
26+19.89	73.55	RT	1	
26+78.86	70.00	RT	1	
27+38.04	45.07	RT	1	
27+39.77	30.00	LT	1	
27+39.77	30.00	RT	1	
29+52.15	30.00	LT	1	
29+57.06	30.00	RT	1	
30+62.76	41.85	RT	1	
31+03.79	41.88	RT	1	
31+27.15	42.96	RT	1	
32+00.44	30.00	LT	1	
33+75.00	30.00	LT	1	
33+74.87	30.00	RT	1	
36+04.49	30.00	LT	1	
36+04.37	30.00	RT	1	
36+22.14	54.50	RT	1	
36+72.18	54.50	RT	1	
36+88.52	48.34	RT	1	
37+85.79	30.00	LT	1	
38+81.88	30.00	LT	1	
38+98.80	49.22	RT	1	
40+50.12	30.00	LT	1	
40+50.12	30.00	RT	1	
41+97.13	30.00	LT	1	
41+97.13	30.00	RT	1	
42+76.40	54.50	RT	1	
43+16.92	54.50	RT	1	
43+40.88	54.50	RT	1	
43+53.85	30.00	LT	1	
44+73.83	30.00	LT	1	
44+73.83	30.00	RT	1	
46+52.96	30.00	LT	1	
46+95.95	70.00	RT	1	
47+25.78	70.00	RT	1	
47+49.38	49.47	RT	1	
47+67.84	30.00	LT	1	
47+67.84	30.00	RT	1	
48+79.52	30.00	LT	1	
48+79.52	30.00	RT	1	
49+52.14	44.50	LT	1	
50+32.73	30.00	LT	1	
50+32.73	30.00	RT	1	
51+65.68	30.00	LT	1	
51+65.68	30.00	RT	1	
51+65.68	39.58	RT	1	
52+98.44	30.00	LT	1	
53+10.82	30.00	RT	1	
TOTAL				79

8 TEMPORARY DITCH CHECKS, URETHANE FOAM/GEOTEXTILE X2800105			
STATION	OFFSET	LT/RT	COUNT
7+15.00	58.60	LT	2
8+15.00	58.20	LT	2
9+15.00	56.01	LT	2
9+75.00	41.48	RT	2
10+15.00	59.29	LT	2
10+50.00	42.93	RT	2
11+15.00	61.46	LT	2
11+25.00	45.01	RT	2
11+75.00	41.00	LT	2
11+95.00	47.79	RT	2
12+15.00	71.83	LT	2
12+50.00	43.48	LT	2
12+70.00	48.51	RT	2
13+15.00	75.72	LT	2
13+25.00	40.72	LT	2
13+45.00	48.84	RT	2
14+00.00	42.73	LT	2
14+20.00	49.27	RT	2
15+85.00	42.96	LT	2
15+90.00	41.56	RT	2
16+35.00	42.70	LT	2
16+40.00	41.56	RT	2
16+85.00	42.38	LT	2
16+90.00	41.73	RT	2
17+35.00	42.26	LT	2
17+40.00	41.33	RT	2
17+85.00	42.26	LT	2
17+90.00	49.63	RT	2
18+35.00	42.35	LT	2
18+40.00	49.57	RT	2
18+85.00	42.45	LT	2
18+90.00	54.00	RT	2
19+35.00	42.35	LT	2
19+40.00	59.41	RT	2
19+85.00	42.36	LT	2
19+90.00	55.75	RT	2
20+35.00	42.10	LT	2
20+40.00	53.41	RT	2
20+85.00	41.84	LT	2
20+90.00	52.61	RT	2
21+35.00	42.00	LT	2
21+40.00	50.86	RT	2
21+85.00	41.75	LT	2
21+90.00	53.83	RT	2
22+35.00	41.55	LT	2
22+40.00	51.76	RT	2
22+85.00	41.77	LT	2
22+90.00	46.24	RT	2
23+35.00	41.83	LT	2
23+40.00	42.17	RT	2
23+85.00	41.79	LT	2
24+35.00	41.26	LT	2
24+85.00	42.07	LT	2
25+35.00	42.14	LT	2
27+90.00	46.64	RT	2
28+40.00	44.65	RT	2
28+90.00	42.47	RT	2
29+40.00	41.78	RT	2
29+90.00	39.74	RT	2
32+05.00	46.23	RT	2
32+80.00	47.41	RT	2
33+55.00	48.53	RT	2
34+30.00	47.67	RT	2
35+05.00	47.44	RT	2
38+00.00	47.23	RT	2
39+10.00	49.13	RT	2
40+00.00	49.74	RT	2
41+00.00	49.57	RT	2
42+00.00	49.33	RT	2
44+40.00	51.25	RT	2
45+40.00	50.52	RT	2
48+50.00	50.12	RT	2
49+50.00	44.49	RT	2
50+50.00	43.85	RT	2
TOTAL			148

DATE	
BY	
NO. OF SHEETS	
NO. OF THIS SHEET	
DATE	
BY	
NO. OF SHEETS	
NO. OF THIS SHEET	

DATE	
BY	
NO. OF SHEETS	
NO. OF THIS SHEET	
DATE	
BY	
NO. OF SHEETS	
NO. OF THIS SHEET	

REVISIONS	
NAME	DATE

  
**LAKE COUNTY**  
 Division of Transportation  
**SUNSET AVENUE**  
**QUANTITY SCHEDULES**

FILE #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	13
SCHEDULES				
CONTRACT NO. 83847				
SUNSET AVENUE				

SCHEDULE OF EARTHWORK					
LOCATION	EARTHWORK VOLUMES (CY)				
	EARTH EXCAVATION 20200100	UNSUITABLE MATERIAL*	SUITABLE MATERIAL AVAILABLE FOR FILL (ADJUSTED FOR SHRINKAGE, 15%)	EMBANKMENT REQUIRED	BALANCE WASTE* (+) OR SHORTAGE (-)
SUNSET RECONSTRUCTION	23971	3410	17477	1563	+15913
SUNSET RESURFACING	3984	1078	2470	1778	+692
NORTHWESTERN RESURFACING (SOUTH)	189	7	155	48	+107
NORTHWESTERN RESURFACING (NORTH)	172	11	136	40	+97
DETENTION POND	6265	0	5325	472	+4854
<b>EARTHWORK TOTALS:</b>	<b>34581</b>	<b>4506</b>	<b>25564</b>	<b>3902</b>	<b>+21662</b>

\*EXCESS AND UNSUITABLE MATERIALS TO BE REMOVED AND DISPOSED OF OFF-SITE

SUNSET RECONSTRUCTION								
STA	CROSS SECTION END AREAS (SF)			EARTHWORK VOLUMES (CY)				
	CUT	FILL	UNSUITABLE	EARTH EXCAVATION 20200100	UNSUITABLE MATERIAL	SUITABLE MATERIAL AVAILABLE FOR FILL (ADJUSTED FOR SHRINKAGE, 15%)	EMBANKMENT REQUIRED	BALANCE WASTE (+) OR SHORTAGE (-)
5+00.00	135.94	11.50	64.41					
5+50.00	141.71	16.32	59.98	257	115	121	26	+95
6+00.00	138.97	18.59	55.38	260	107	130	32	+98
6+50.00	164.97	28.99	50.96	281	98	156	44	+111
7+00.00	161.30	79.17	46.54	302	90	180	100	+80
7+50.00	123.51	63.69	42.14	264	82	154	132	+22
8+00.00	125.22	46.87	38.06	230	74	133	102	+30
8+50.00	136.23	33.09	38.20	242	71	146	74	+72
9+00.00	144.76	19.42	38.22	260	71	161	49	+112
9+50.00	158.99	11.77	38.20	281	71	179	29	+150
10+00.00	223.42	7.87	38.22	354	71	241	18	+223
10+50.00	240.26	11.27	38.23	429	71	305	18	+287
11+00.00	265.42	22.58	37.97	468	71	338	31	+307
11+50.00	305.00	32.58	37.66	528	70	389	51	+338
12+00.00	355.57	40.49	37.91	612	70	461	68	+393
12+50.00	407.80	33.40	37.67	707	70	541	68	+473
13+00.00	426.87	34.77	37.67	773	70	598	63	+535
13+50.00	456.83	41.61	37.56	818	70	636	71	+566
14+00.00	480.88	24.87	37.70	868	70	679	62	+617
14+50.00	594.49	18.28	37.48	996	70	787	40	+747
15+00.00	147.99	14.34	37.65	687	70	525	30	+495
15+09.00	139.33	15.87	37.30	48	12	30	5	+25
15+18.00	142.88	15.20	37.60	47	12	29	5	+24
15+50.00	607.21	14.03	37.51	445	45	340	17	+323
16+00.00	774.57	13.43	37.44	1279	69	1029	25	+1003
16+50.00	839.23	13.66	37.45	1494	69	1211	25	+1186
17+00.00	791.05	12.28	37.50	1510	69	1224	24	+1200
17+50.00	729.73	13.11	37.61	1408	70	1138	24	+1114
18+00.00	616.56	15.33	37.44	1247	69	1001	26	+974
18+50.00	503.55	16.15	37.71	1037	70	822	29	+793
19+00.00	428.01	18.27	37.63	861	70	672	32	+640
19+50.00	348.84	21.14	37.65	717	70	551	36	+514
20+00.00	310.56	5.33	37.79	611	70	460	25	+435
20+50.00	259.57	5.11	37.75	528	70	389	10	+380
21+00.00	224.27	5.11	41.15	448	73	319	9	+309
21+50.00	203.42	5.11	44.51	396	79	269	9	+260
22+00.00	161.81	5.11	47.10	338	85	215	9	+206
22+50.00	173.83	5.11	49.43	311	89	188	9	+179
23+00.00	169.45	10.39	54.82	318	97	188	14	+174
23+50.00	143.06	14.86	60.68	289	107	155	23	+132
24+00.00	128.58	10.40	66.37	252	118	114	23	+90
24+50.00	126.38	11.18	71.88	236	128	92	20	+72
25+00.00	122.01	13.65	73.49	230	135	81	23	+58
25+50.00	119.49	10.54	73.23	224	136	75	22	+52
25+68.00	119.49	10.54	73.23	80	49	26	7	+19
<b>SUNSET RECONSTRUCTION SUBTOTALS:</b>	<b>23971</b>	<b>3410</b>	<b>17477</b>	<b>1563</b>		<b>+15913</b>		

SUNSET RESURFACING								
STA	CROSS SECTION END AREAS (SF)			EARTHWORK VOLUMES (CY)				
	CUT	FILL	UNSUITABLE	EARTH EXCAVATION 20200100	UNSUITABLE MATERIAL	SUITABLE MATERIAL AVAILABLE FOR FILL (ADJUSTED FOR SHRINKAGE, 15%)	EMBANKMENT REQUIRED	BALANCE WASTE (+) OR SHORTAGE (-)
25+68.00	72.68	2.57	1.31					
26+00.00	72.68	2.57	1.31	86	2	72	3	+69
26+50.00	0.00	0.00	0.00	67	1	56	2	+54
26+55.00	0.00	0.00	0.00	0	0	0	0	+0
27+00.00	46.25	6.23	1.27	39	1	32	5	+27
27+50.00	25.27	28.98	14.69	66	15	44	33	+11
28+00.00	26.45	28.00	14.75	48	27	18	53	-35
28+50.00	30.25	22.63	14.76	53	27	21	47	-25
29+00.00	27.72	23.09	15.20	54	28	22	42	-20
29+50.00	47.30	14.76	11.26	69	25	38	35	+3
30+00.00	41.55	10.98	7.05	82	17	56	24	+32
30+50.00	51.51	12.69	7.17	86	13	62	22	+40
30+83.00	42.78	20.90	23.71	58	19	33	21	+12
31+00.00	57.26	25.29	37.32	31	19	10	15	-4
31+50.00	51.46	27.24	20.21	101	53	40	49	-8
32+00.00	52.86	34.77	20.20	97	37	50	57	-7
32+50.00	46.50	29.76	20.22	92	37	46	60	-13
33+00.00	48.32	25.72	19.65	88	37	43	51	-8
33+50.00	50.38	12.60	16.46	91	33	49	35	+14
34+00.00	39.34	13.53	16.81	83	31	44	24	+20
34+37.20	38.62	10.70	25.91	52	29	19	17	+3
34+50.00	39.54	11.07	27.71	18	13	5	5	-1
35+00.00	38.60	14.06	17.55	72	42	26	23	+3
35+50.00	26.47	14.38	6.73	60	22	32	26	+6
36+00.00	26.17	14.37	6.42	49	12	31	27	+4
36+50.00	47.28	10.99	45.48	68	48	17	23	-7
36+52.10	45.17	10.36	45.17	4	4	0	1	-1
37+00.00	33.11	14.34	7.04	69	46	20	22	-2
37+50.00	33.16	17.38	6.19	61	12	42	29	+12
38+00.00	34.62	14.81	5.90	63	11	44	30	+14
38+50.00	52.44	14.74	44.80	81	47	29	27	+1
38+56.30	53.43	14.68	43.97	12	10	2	3	-2
39+00.00	26.35	29.95	1.39	65	37	24	36	-12
39+50.00	40.85	24.15	1.30	62	2	51	50	+1
40+00.00	48.30	24.07	1.44	83	3	68	45	+23
40+50.00	52.15	18.74	1.29	93	3	77	40	+37
41+00.00	37.89	21.39	1.29	83	2	69	37	+32
41+50.00	33.77	30.86	1.29	66	2	54	46	+6
42+00.00	33.03	27.68	1.26	62	2	51	54	-4
42+50.00	30.78	23.86	1.35	59	2	48	48	+0
42+88.40	53.56	15.73	48.72	60	36	20	28	-8
42+96.70	55.65	10.94	50.82	17	15	1	4	-3
43+00.00	54.38	11.12	49.73	7	6	0	1	-1
43+50.00	36.30	24.80	1.19	84	47	31	33	-2
44+00.00	40.38	19.25	1.33	71	2	58	41	+18
44+50.00	40.66	17.75	1.30	75	2	62	34	+27
45+00.00	46.93	13.43	1.29	81	2	67	29	+38
45+50.00	44.25	13.28	1.26	84	2	70	25	+45
46+00.00	39.77	15.47	1.25	78	2	64	27	+38
46+50.00	35.70	9.02	1.25	70	2	57	23	+35
47+00.00	0.00	0.00	0.00	33	1	27	8	+19
47+10.00	0.00	0.00	0.00	0	0	0	0	+0
47+50.00	41.16	18.43	5.41	30	4	23	14	+9
48+00.00	43.68	17.68	2.65	79	7	60	33	+27
48+50.00	41.24	19.45	2.94	79	5	62	34	+28
49+00.00	32.42	18.39	3.29	68	6	53	35	+18
49+50.00	31.63	19.45	3.36	59	6	45	35	+10
50+00.00	33.19	17.70	3.07	60	6	46	34	+12
50+50.00	29.43	10.24	2.41	58	5	45	26	+19
51+00.00	27.23	11.35	2.27	52	4	41	20	+21
51+28.60	38.31	6.31	14.45	35	9	22	9	+13
51+50.00	31.32	7.70	8.75	28	9	16	6	+10
52+00.00	25.03	10.47	7.19	52	15	32	17	+15
52+50.00	23.27	9.35	1.79	45	8	31	18	+13
52+78.40	30.61	8.63	19.15	28	11	15	9	+5
53+00.00	23.37	11.29	4.43	22	9	10	8	+2
53+50.00	35.88	12.39	26.99	55	29	22	22	-0
53+53.50	36.25	12.29	29.67	5	4	1	2	-1
54+00.00	24.51	8.03	7.36	52	32	17	17	-0
54+50.00	23.15	7.94	6.89	44	13	26	15	+12
<b>SUNSET RESURFACING SUBTOTALS:</b>	<b>3984</b>	<b>1078</b>	<b>2470</b>	<b>1778</b>		<b>+692</b>		

NORTHWESTERN RESURFACING (SOUTH)								
STA	CROSS SECTION END AREAS (SF)			EARTHWORK VOLUMES (CY)				
	CUT	FILL	UNSUITABLE	EARTH EXCAVATION 20200100	UNSUITABLE MATERIAL	SUITABLE MATERIAL AVAILABLE FOR FILL (ADJUSTED FOR SHRINKAGE, 15%)	EMBANKMENT REQUIRED	BALANCE WASTE (+) OR SHORTAGE (-)
98+37.08	23.13	11.07	2.08					
98+50.00	23.13	11.07	2.08	11	1	9	5	+3
99+00.00	40.25	16.12	1.39	59	3	47	25	+22
99+50.00	88.76	3.28	1.38	119	3	99	18	+81
<b>NORTHWESTERN (SOUTH) SUBTOTALS:</b>	<b>189</b>	<b>7</b>	<b>155</b>	<b>48</b>		<b>+107</b>		

NORTHWESTERN RESURFACING (NORTH)								
STA	CROSS SECTION END AREAS (SF)			EARTHWORK VOLUMES (CY)				
	CUT	FILL	UNSUITABLE	EARTH EXCAVATION 20200100	UNSUITABLE MATERIAL	SUITABLE MATERIAL AVAILABLE FOR FILL (ADJUSTED FOR SHRINKAGE, 15%)	EMBANKMENT REQUIRED	BALANCE WASTE (+) OR SHORTAGE (-)
100+50.00	69.14	3.34	1.49					
101+00.00	37.00	9.49	2.58	98	4	80	12	+68
101+50.00	21.74	10.68	2.79	54	5	42	19	+23
101+73.54	21.74	10.68	2.79	19	2	14	9	+5
<b>NORTHWESTERN (NORTH) SUBTOTALS:</b>	<b>172</b>	<b>11</b>	<b>136</b>					

FILE #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	93-00169-05-WR	LAKE	153	14
SCHEDULES				
CONTRACT NO. 83847 ALLOWED SUNSET AVENUE				

SUMMARY OF LANDSCAPE QUANTITIES								
LOCATION	TOPSOIL FURNISH AND PLACE, 4" 21101815 (SY)	SODDING, SALT TOLERANT 25200110 (SY)	SEEDING, CLASS 2A 25000210 (ACRE)	NITROGEN FERTILIZER NUTRIENT 25000400 (POUND) @ 90LBS/ACRE	POTASSIUM FERTILIZER NUTRIENT 25000600 (POUND) @ 90LBS/ACRE	EROSION CONTROL BLANKET 25100630 (SY)	TEMPORARY EROSION CONTROL SEEDING 28000250 (POUND) @ 100LBS/ACRE	SUPPLEMENTAL WATERING 25200200 (UNITS) 7 APS @ 3GAL/SY
SUNSET RECONSTRUCTION	9426	9426		175	175	8732	195	188
SUNSET RESURFACING	5972	5972		111	111	3656	123	125
NORTHWESTERN RESURFACING (SOUTH)	162	162		3	3		3	3
NORTHWESTERN RESURFACING (NORTH)	127	127		2	2		3	3
DETENTION POND	5250		1	98	98	2670	108	
<b>SUBTOTAL</b>	<b>20937</b>	<b>15687</b>	<b>1</b>	<b>389</b>	<b>389</b>	<b>15059</b>	<b>433</b>	<b>329</b>
10% CONTINGENCY	2094							
<b>TOTAL</b>	<b>23031</b>	<b>15687</b>	<b>1</b>	<b>389</b>	<b>389</b>	<b>15059</b>	<b>433</b>	<b>329</b>

SUNSET RESURFACING									
STA	SECTION LENGTH LEFT (LF)	SECTION LENGTH RIGHT (LF)	TOPSOIL AREA LEFT (SY)	TOPSOIL AREA RIGHT (SY)	TOTAL TOPSOIL AREA (SY)	EROSION CONTROL BLANKET AREA LEFT (SY)	EROSION CONTROL BLANKET AREA RIGHT (SY)	TOTAL EC BLANKET AREA (SY)	
27+00.00	4.7	5.0							
27+50.00	4.7	13.0	26.2	50.0	76.1				
28+00.00	4.2	12.8	24.8	71.7	96.5				
28+50.00	4.1	7.5	23.1	56.4	79.5				
29+00.00	4.3	5.6	23.2	36.3	59.5				
29+50.00	20.0	13.0	67.4	51.7	119.1				
30+00.00	28.9	13.0	135.8	72.4	208.3		72.4		72.4
30+50.00	28.9	13.0	160.6	72.2	232.8		72.2		72.2
30+85.59	12.9	0.0	82.7	25.6	108.3		25.6		25.6
31+00.00	21.2	0.0	27.3	0.0	27.3		0.0		0.0
31+50.00	12.8	12.7	94.5	35.4	130.0		35.4		35.4
32+00.00	27.4	12.7	111.8	70.7	182.6		70.7		70.7
32+50.00	9.0	12.9	101.1	71.2	172.3		71.2		71.2
33+00.00	7.5	12.8	45.8	71.3	117.2		71.3		71.3
33+50.00	4.9	12.9	34.5	71.3	105.8		71.3		71.3
34+00.00	2.7	12.9	21.0	71.5	92.5		71.5		71.5
34+37.36	0.0	12.6	5.5	52.9	58.4		52.9		52.9
34+50.00	0.0	12.8	0.0	17.8	17.8		17.8		17.8
35+00.00	5.8	12.8	16.2	71.1	87.3		71.1		71.1
35+50.00	6.8	12.6	35.1	70.6	105.6		70.6		70.6
36+00.00	7.5	12.6	39.5	69.9	109.4		69.9		69.9
36+50.00	0.0	0.0	20.7	35.0	55.7		35.0		35.0
36+52.30	0.0	0.0	0.0	0.0	0.0		0.0		0.0
37+00.00	4.1	22.6	10.9	60.0	70.8		60.0		60.0
37+50.00	9.0	22.7	36.5	125.9	162.4		125.9		125.9
38+00.00	6.8	22.8	44.1	126.4	170.5		126.4		126.4
38+50.00	0.0	22.9	19.0	127.0	146.0		127.0		127.0
38+56.11	0.0	22.9	0.0	15.5	15.5		15.5		15.5
39+00.00	6.0	16.4	14.7	95.7	110.5		95.7		95.7
39+50.00	5.6	19.9	32.4	100.6	133.0		100.6		100.6
40+00.00	4.5	23.0	28.0	119.0	147.0		119.0		119.0
40+50.00	3.5	22.9	22.1	127.5	149.6		127.5		127.5
41+00.00	3.4	19.5	19.0	117.8	136.9		117.8		117.8
41+50.00	2.9	18.2	17.3	104.8	122.1		104.8		104.8
42+00.00	2.7	20.0	15.4	106.3	121.8		106.3		106.3
42+50.00	2.8	20.0	15.2	111.4	126.6		111.4		111.4
42+85.53	0.0	0.0	5.5	39.6	45.1		39.6		39.6
42+96.33	0.0	0.0	0.0	0.0	0.0		0.0		0.0
43+00.00	0.0	0.0	0.0	0.0	0.0		0.0		0.0
43+50.00	3.2	22.7	8.9	63.2	72.1		63.2		63.2
44+00.00	3.3	20.9	18.2	121.4	139.6		121.4		121.4
44+50.00	2.4	21.1	15.9	116.7	132.5		116.7		116.7
45+00.00	1.9	22.7	11.9	121.6	133.5		121.6		121.6
45+50.00	2.5	22.5	12.3	125.7	138.0		125.7		125.7
46+00.00	3.2	22.4	15.7	125.0	140.6		125.0		125.0
46+50.00	3.4	12.2	18.4	96.2	114.6		96.2		96.2
47+00.00	0.0	0.0	9.6	33.9	43.5		33.9		33.9
47+10.00	0.0	0.0	0.0	0.0	0.0		0.0		0.0
47+50.00	4.3	19.7	9.6	43.9	53.4		43.9		43.9
48+00.00	4.8	22.8	25.2	118.2	143.4		118.2		118.2
48+50.00	4.4	21.3	25.5	122.7	148.2		122.7		122.7
49+00.00	6.2	13.0	29.5	95.3	124.9		95.3		95.3
49+50.00	11.7	8.9	49.7	60.8	110.5		60.8		60.8
50+00.00	7.3	12.7	52.6	59.9	112.5		59.9		59.9
50+50.00	4.4	7.3	32.4	55.6	88.0		55.6		55.6
51+00.00	2.8	6.9	20.1	39.5	59.6		39.5		39.5
51+28.07	0.0	0.0	4.4	10.7	15.1		10.7		10.7
51+50.00	2.3	5.1	2.8	6.2	9.0		6.2		6.2
52+00.00	4.4	6.5	18.6	32.3	50.9		32.3		32.3
52+50.00	5.0	6.5	26.0	36.1	62.1		36.1		36.1
52+78.67	6.6	0.0	18.4	10.3	28.7		10.3		10.3
53+00.00	7.9	5.1	17.2	6.1	23.2		6.1		6.1
53+50.00	0.0	2.5	22.1	21.0	43.1		21.0		21.0
53+53.59	0.0	2.5	0.0	1.0	1.0		1.0		1.0
54+00.00	6.5	3.1	16.9	14.4	31.3		14.4		14.4
54+50.00	6.5	3.1	36.2	17.3	53.5		17.3		17.3
54+64.40	6.5	3.1	10.4	5.0	15.4		5.0		5.0
54+81.92	6.5		12.7		12.7				12.7
<b>SUBTOTAL</b>	<b>1895</b>	<b>4077</b>	<b>5972</b>	<b>0</b>	<b>3656</b>	<b>0</b>	<b>3656</b>	<b>0</b>	<b>3656</b>

SCHEDULE OF LANDSCAPE MATERIALS								
SUNSET RECONSTRUCTION								
STA	SECTION LENGTH LEFT (LF)	SECTION LENGTH RIGHT (LF)	TOPSOIL AREA LEFT (SY)	TOPSOIL AREA RIGHT (SY)	TOTAL TOPSOIL AREA (SY)	EROSION CONTROL BLANKET AREA LEFT (SY)	EROSION CONTROL BLANKET AREA RIGHT (SY)	TOTAL EC BLANKET AREA (SY)
5+00.00	5.6	4.9						
5+50.00	13.4	3.6	52.8	23.5	76.3			
6+00.00	9.4	4.1	63.5	21.4	84.8			
6+50.00	38.4	7.3	132.8	31.6	164.4	132.8		132.8
7+00.00	37.9	28.0	211.9	97.8	309.7	211.9	97.8	309.7
7+50.00	36.6	14.1	206.9	116.8	323.7	206.9	116.8	323.7
8+00.00	35.4	9.7	200.1	66.0	266.1	200.1	66.0	266.1
8+50.00	35.1	9.8	195.9	54.2	250.1	195.9	54.2	250.1
9+00.00	32.3	3.2	187.1	36.2	223.3	187.1		187.1
9+50.00	32.4	0.8	179.7	11.2	190.9	179.7		179.7
10+00.00	35.9	1.1	189.7	5.4	189.7	189.7		189.7
10+50.00	36.2	0.6	200.1	4.7	204.8	200.1		200.1
11+00.00	37.9	0.8	205.7	3.9	209.6	205.7		205.7
11+50.00	48.0	0.6	238.5	4.0	242.5	238.5		238.5
12+00.00	57.4	1.8	292.8	6.7	299.5	292.8		292.8
12+50.00	60.5	1.8	327.5	9.8	337.3	327.5		327.5
13+00.00	63.9	2.6	345.6	12.1	357.7	345.6		345.6
13+50.00	63.4	2.6	353.7	14.5	368.2	353.7		353.7
14+00.00	63.2	1.3	351.6	10.9	362.5	351.6		351.6
14+50.00	54.5	0.8	327.0	5.9	332.9	327.0		327.0
15+00.00	7.8	8.2	173.2	25.0	198.2	173.2		173.2
15+09.00	6.3	1.8	7.0	5.0	12.1	7.0		7.0
15+18.00	6.7	7.8	6.5	4.8	11.3	6.5	4.8	11.3
15+50.00	49.2	7.9	99.4	28.0	127.3	99.4	28.0	127.3
16+00.00	54.6	8.1	288.4	44.5	332.9	288.4	44.5	332.9
16+50.00	62.7	7.2	325.9	42.5	368.4	325.9	42.5	368.4
17+00.00	62.4	6.8	347.3	38.8	386.1	347.3	38.8	386.1
17+50.00	60.1	5.5	340.1	34.2	374.4	340.1	34.2	374.4
18+00.00	53.6	4.9	315.8	29.0	344.9	315.8	29.0	344.9
18+50.00	39.6	6.5	258.9	31.8	290.7	258.9	31.8	290.7
19+00.00	37.4	8.6	213.9	42.0	255.9	213.9	42.0	255.9
19+50.00	31.6	15.6	191.6	67.3	258.9	191.6	67.3	258.9
20+00.00	28.5	10.6	167.0	72.8	239.8	167.0	72.8	239.8
20+50.00	23.2	8.1	143.6	51.9	195.5	143.6	51.9	195.5
21+00.00	21.1	7.5	122.9	43.4	166.3	122.9	43.4	166.3
21+50.00	20.7	7.9	116.2	42.9	159.1	116.2	42.9	159.1
22+00.00	6.7	11.4	76.0	53.6	129.6	76.0	53.6	129.6
22+50.00	6.3	17.3	35.9	79.6	115.6	35.9	79.6	115.6
23+00.00	14.2	27.4	57.0	124.1	181.1	57.0	124.1	181.1
23+50.00	6.1	9.9	56.5	103.5	160.0		103.5	103.5
24+00.00	4.2	0.8	28.7	29.6	58.3		29.6	29.6
24+50.00	4.5	2.2	24.2	8.3	32.5			
25+00.00	5.4	11.5	27.5	38.2	65.7			
25+50.00	6.6	5.2	33.4	46.4	79.8			
26+12.00	6.0	6.0	43.5	38.4	81.9			
<b>SUBTOTAL</b>	<b>7763</b>	<b>1663</b>	<b>9426</b>	<b>7433</b>	<b>1299</b>	<b>7433</b>	<b>1299</b>	<b>8732</b>

NORTHWESTERN RESURFACING (SOUTH)					
STA	SECTION LENGTH LEFT (LF)	SECTION LENGTH RIGHT (LF)	TOPSOIL AREA LEFT (SY)	TOPSOIL AREA RIGHT (SY)	TOTAL TOPSOIL AREA (SY)
98+02.00	5.1	2.7			
98+50.00	5.1	2.7	27.1	14.3	41.5
99+00.00	8.3	4.1	37.1	18.9	56.0
99+50.00	6.0	4.7	39.7	24.5	64.1
<b>SUBTOTAL</b>			<b>104</b>	<b>58</b>	<b>162</b>

NORTHWESTERN RESURFACING (NORTH)					
STA	SECTION LENGTH LEFT (LF)	SECTION LENGTH RIGHT (LF)	TOPSOIL AREA LEFT (SY)	TOPSOIL AREA RIGHT (SY)	TOTAL TOPSOIL AREA (SY)

SUMMARY OF PAVEMENT QUANTITIES								
LOCATION	HMA BC IL-19.0 N70 40603085 (TON) @ 115 LBS/SY/IN	HMA SC "D" N70 40603340 (TON) @ 115 LBS/SY/IN	BITUMINOUS MATERIALS (PRIME COAT) 40600100 (GAL) @ 0.15 GAL/SY	AGGREGATE (PRIME COAT) 40600300 (TON) @ 5.25 LBS/SY	AGGREGATE BASE COURSE, TYPE A 35100100 (TON) @ 2 TON/CY	AGGREGATE SUBGRADE 12" Z0001050 (SY)	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION 21001000 (SY)	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS 40600400 (TON) @ 0.0003 TON/SY
SUNSET RECONSTRUCTION	5952	1589	2763	48		15690	21665	
SUNSET WIDENING	743					4203	14780	
SUNSET RESURFACING	3403	1625	2826	49				5.2
ERNIE KRUGER CIRCLE WIDENING	25					258	1120	
ERNIE KRUGER CIRCLE RESURFACING	88	64	112	2				0.2
NORTHWESTERN AVENUE WIDENING	194					776	2371	
NORTHWESTERN AVENUE RESURFACING	199	175	304	5				0.4
BITUMINOUS SHOULDERS	603	362						
BITUMINOUS MEDIAN	189	113						
DRIVEWAYS		157			486			
UNDERCUT AREA							1600	
SUBTOTAL	11397	4085	6005	105	486	20928	41516	5.8
CONTINGENCY 10%	1140	409	601	11	49	2093	4152	0.6
TOTAL	12537	4494	6606	116	534	23020	45668	6

SCHEDULE OF MISCELLANEOUS PAVEMENT							
4' BITUMINOUS SHOULDER							
FROM	TO	LT/RT	DESCRIPTION	AREA (SY)	HMA BC IL-19.0 N70 40603085 (TON) @ 115 LBS/SY/IN	HMA SC "D" N70 40603340 (TON) 1.5" @ 115 LBS/SY/IN	
5+00.00	25+84.67	LT		926.4	133	80	
5+00.00	25+86.62	RT		927.2	133	80	
27+20.46	34+03.41	LT		301.5	43	26	
27+22.93	30+57.53	RT		147.2	21	13	
31+09.30	36+18.96	RT		222.6	32	19	
34+70.87	36+28.37	LT		66.8	10	6	
36+71.02	38+33.29	LT		69.4	10	6	
38+68.84	42+69.42	LT		175.5	25	15	
36+85.38	42+63.35	RT		252.5	36	22	
43+07.69	46+83.89	LT		177.3	25	15	
43+29.81	46+89.38	RT		167.8	24	14	
47+30.41	51+08.33	LT		179.9	26	16	
47+32.33	51+10.50	RT		177.2	25	15	
51+51.90	52+59.68	RT		44.1	6	4	
51+48.88	53+29.56	LT		77.3	11	7	
52+97.07	54+64.45	RT		73.0	10	6	
53+77.51	54+81.93	LT		45.0	6	4	
98+37.14	99+28.56	RT	NORTHWESTERN AVENUE	41.1	6	4	
98+37.02	99+30.73	LT	NORTHWESTERN AVENUE	43.1	6	4	
100+68.59	101+82.99	RT	NORTHWESTERN AVENUE	51.3	7	4	
100+71.76	101+38.68	LT	NORTHWESTERN AVENUE	29.8	4	3	
TOTAL					603	362	

SCHEDULE OF DRIVEWAY QUANTITIES							
STATION	LT/RT	LENGTH (FT)	AVERAGE WIDTH (FT)	AREA (SF)	AGGREGATE BASE COURSE, TYPE A 35100100 (TON) @ 2 TON/CY	HMA SC "D" N70 40603340 (TON) 1.5" @ 115 LBS/SY/IN	TEMPORARY ACCESS (COMMERCIAL ENTRANCE) X4022000 (EACH)
30+83.00	RT	19.0	45.9	871.2	43.0	13.9	1
34+37.20	LT	19.0	58.5	1111.5	54.9	17.8	1
36+49.70	LT	19.0	36.7	696.9	34.4	11.1	1
36+52.10	RT	29.0	51.0	1480.1	73.1	23.6	1
38+50.90	LT	19.0	29.6	561.5	27.7	9.0	1
42+88.40	LT	19.0	32.3	614.4	30.3	9.8	1
42+96.70	RT	29.0	51.3	1486.8	73.4	23.7	1
51+28.60	LT	16.0	35.7	571.4	28.2	9.1	1
51+30.50	RT	19.0	34.1	647.0	32.0	10.3	1
52+78.40	RT	19.0	31.4	597.2	29.5	9.5	1
53+53.50	LT	28.8	41.6	1196.8	59.1	19.1	1
TOTAL					486	157	11

SCHEDULE OF SURFACE COURSE							
SUNSET AVENUE RECONSTRUCTION							
FROM	TO	LT/RT	AVERAGE WIDTH (FT)	LENGTH (FT)	DESCRIPTION	AREA (SY)	HMA SC "D" N70 40603340 (TON) 2.0" @ 115 LBS/SY/IN
3+10.00	5+00.00	LT/RT	60.00	190.00	SUNSET BUTT JOINT WEST	1266.7	146
5+00.00	5+17.47	LT/RT	60.00	17.47		116.4	13
5+17.47	9+41.88	LT/RT	62.00	424.41	TRANSITION SECITON	2923.7	336
9+41.88	9+83.68	LT/RT	64.00	41.80		297.3	34
9+83.68	20+78.79	LT	24.00	1095.11	LT OF MEDIAN	2927.5	337
9+83.68	20+78.79	RT	24.00	1095.11	RT OF MEDIAN	2919.1	336
20+78.79	20+92.54	LT/RT	64.00	13.75		97.8	11
20+92.54	25+25.18	LT/RT	62.00	432.64	TRANSITION SECITON	2980.4	343
25+25.18	25+68.00	LT/RT	60.00	42.82		285.3	33
SUNSET AVENUE RECONSTRUCTION SUBTOTAL							1589

SUNSET AVENUE RESURFACING							
FROM	TO	LT/RT	AVERAGE WIDTH (FT)	LENGTH (FT)	DESCRIPTION	AREA (SY)	HMA SC "D" N70 40603340 (TON) 1.5" @ 115 LBS/SY/IN
25+68.00	53+58.30	LT/RT	60.00	2790.30	SUNSET RESURFACING	18603.5	1605
53+58.30	53+93.30	LT/RT	60.00	35.00	SUNSET BUTT JOINT EAST	235.8	20
SUNSET RESURFACING SUBTOTAL							1625

ERNIE KRUGER CIRCLE RESURFACING							
FROM	TO	LT/RT	AVERAGE WIDTH (FT)	LENGTH (FT)	DESCRIPTION	AREA (SY)	HMA SC "D" N70 40603340 (TON) 1.5" @ 115 LBS/SY/IN
46+50.33	47+64.30	LT			ERNIE KRUGER NORTH	236.8	20
46+56.15	47+65.56	RT			ERNIE KRUGER SOUTH	265.2	23
46+90.49	47+23.80	LT	33.14	35.00	EKC BUTT JOINT NORTH	128.9	11
46+96.38	47+26.14	RT	29.96	35.00	EKC BUTT JOINT SOUTH	116.5	10
ERNIE KRUGER CIRCLE RESURFACING SUBTOTAL							64


  

NORTHWESTERN AVENUE RECONSTRUCTION							
FROM	TO	LT/RT	AVERAGE WIDTH (FT)	LENGTH (FT)	DESCRIPTION	AREA (SY)	HMA SC "D" N70 40603340 (TON) 1.5" @ 115 LBS/SY/IN
98+02.08	98+37.08	LT/RT	37.05	35.00	NW BUTT JOINT SOUTH	144.1	12
98+37.08	99+70.00	LT/RT			NORTHWESTERN SOUTH	856.6	74
100+30.00	101+73.54	LT/RT			NORTHWESTERN NORTH	886.2	76
101+73.54	102+08.54	LT/RT	36.58	35.00	NW BUTT JOINT NORTH	142.3	12
NORTHWESTERN AVENUE RECONSTRUCTION SUBTOTAL							175

DATE: \_\_\_\_\_  
BY: \_\_\_\_\_  
CHECKED: \_\_\_\_\_  
DATE: \_\_\_\_\_  
BY: \_\_\_\_\_  
CHECKED: \_\_\_\_\_

DATE: \_\_\_\_\_  
BY: \_\_\_\_\_  
CHECKED: \_\_\_\_\_  
DATE: \_\_\_\_\_  
BY: \_\_\_\_\_  
CHECKED: \_\_\_\_\_

REVISIONS	
NAME	DATE


  
**SUNSET AVENUE**  
**QUANTITY SCHEDULES**


SCHEDULE OF FULL DEPTH BINDER COURSE							
SUNSET AVENUE RECONSTRUCTION							
FROM	TO	LT/RT	AVERAGE WIDTH (FT)	LENGTH (FT)	DESCRIPTION	AREA (SY)	HMA BC IL-19.0 N70 40603085 (TON) @ 115 LBS/SY/IN
5+00.00	5+17.47	LT/RT	60.00	17.47		116.4	55
5+17.47	9+41.88	LT/RT	62.00	424.41	TRANSITION SECITON	2923.7	1387
9+41.88	9+83.68	LT/RT	64.00	41.80		297.3	141
9+83.68	20+78.79	LT	24.00	1095.11	LT OF MEDIAN	2927.5	1389
9+83.68	20+78.79	RT	24.00	1095.11	RT OF MEDIAN	2919.1	1385
20+78.79	20+92.54	LT/RT	64.00	13.75		97.8	46
20+92.54	25+25.18	LT/RT	62.00	432.64	TRANSITION SECITON	2980.4	1414
25+25.18	25+68.00	LT/RT	60.00	42.82		285.5	135
SUNSET AVENUE RECONSTRUCTION SUBTOTAL							5952
SUNSET AVENUE WIDENING							
FROM	TO	LT/RT	AVERAGE WIDTH (FT)	LENGTH (FT)	DESCRIPTION	AREA (SY)	HMA BC IL-19.0 N70 40603085 (TON) @ 115 LBS/SY/IN
27+35.43	31+17.36	RT	3.95	381.93	WIDENING	167.5	82
30+72.36	46+50.33	LT	1.76	1577.97	WIDENING	307.9	150
31+17.36	32+90.56	RT	7.87	173.20	WIDENING	151.4	74
32+90.56	34+12.92	RT	3.89	122.36	WIDENING	52.9	26
38+97.46	46+56.15	RT	7.33	758.69	WIDENING	617.8	302
47+64.30	48+08.89	LT	1.00	44.59	WIDENING	4.9	2
47+65.56	49+53.72	RT	5.56	188.16	WIDENING	116.1	57
49+53.72	51+44.00	RT	3.70	190.28	WIDENING	78.2	38
50+39.70	50+99.89	LT	1.00	60.19	WIDENING	6.7	3
51+58.36	52+09.25	LT	1.00	50.89	WIDENING	5.6	3
51+44.00	52+49.52	RT	1.01	105.52	WIDENING	11.8	6
SUNSET WIDENING SUBTOTAL							743
ERNIE KRUGER CIRCLE WIDENING							
FROM	TO	LT/RT	AVERAGE WIDTH (FT)	LENGTH (FT)	DESCRIPTION	AREA (SY)	HMA BC IL-19.0 N70 40603085 (TON) @ 115 LBS/SY/IN
46+50.33	46+88.63	LT	1.19	21.57	EKC NW RETURN	2.9	1
46+56.15	46+97.27	RT	3.08	61.68	EKC SW RETURN	21.1	10
47+21.95	47+64.30	LT	1.00	41.65	EKC NE RETURN	4.7	2
47+26.92	47+65.56	RT	3.30	63.61	EKC SE RETURN	23.3	11
ERNIE KRUGER CIRCLE WIDENING SUBTOTAL							25
NORTHWESTERN AVENUE WIDENING							
FROM	TO	LT/RT	AVERAGE WIDTH (FT)	LENGTH (FT)	DESCRIPTION	AREA (SY)	HMA BC IL-19.0 N70 40603085 (TON) @ 115 LBS/SY/IN
25+68.00	100+81.15	LT	2.71	165.18	NW AVE NW RETURN	49.7	24
25+68.00	98+37.04	RT	16.31	93.99	NW AVE SW RETURN	170.3	83
101+73.23	27+09.19	LT	10.90	90.14	NW AVE NE RETURN	109.2	53
99+09.83	27+35.43	RT	4.27	142.67	NW AVE SE RETURN	67.7	33
NORTHWESTERN AVENUE WIDENING SUBTOTAL							194

SCHEDULE OF VARIABLE DEPTH BINDER COURSE (1 OF 2)												
ERNIE KRUGER RESURFACING												
STA	H1 (FT)	H2 (FT)	H CL (FT)	H3 (FT)	H4 (FT)	AREA 1 (SF)	AREA 2 (SF)	AREA 3 (SF)	AREA 4 (SF)	TOTAL XS AREA (SF)	VOLUME (CY)	HMA BC IL-19.0 N70 40603085 (TON) @ 115 LBS/SY/IN
73.17' LT		0.15	0.15	0.15				2.51	2.45		4.97	
		16.76	0.00	16.36								
50.00' LT		0.16	0.15	0.19				3.43	3.75		7.18	5.21
		22.13	0.00	22.06								
30.00' LT	0.42	0.39	0.29	0.44	0.40	7.09	10.33	11.06	7.35	35.82	15.93	33
	47.87	30.37	0.00	30.31	47.80							
ERNIE KRUGER RESURFACING NORTH SUBTOTAL												44
30.00' RT	0.50	0.50	0.27	0.42	0.44	3.93	10.90	9.85	2.79	27.46		
	36.16	28.31	0.00	28.55	35.04							
50.00' RT		0.24	0.23	0.15				4.40	3.43		7.82	13.07
		18.71	0.00	18.03								
86.86' RT		0.15	0.15	0.15				2.29	2.20		4.49	8.41
		15.27	0.00	14.69								
ERNIE KRUGER RESURFACING SOUTH SUBTOTAL												44
ERNIE KRUGER RESURFACING SUBTOTAL												88
NORTHWESTERN AVENUE RESURFACING												
STA	H1 (FT)	H2 (FT)	H CL (FT)	H3 (FT)	H4 (FT)	AREA 1 (SF)	AREA 2 (SF)	AREA 3 (SF)	AREA 4 (SF)	TOTAL XS AREA (SF)	VOLUME (CY)	HMA BC IL-19.0 N70 40603085 (TON) @ 115 LBS/SY/IN
98+37.08	0.17	0.17	0.17	0.17	0.17	1.49	1.49	1.61	1.61	6.20		
OFFSET	18.05	9.03	0.00	9.77	19.54							
98+50.00	0.17	0.17	0.17	0.17	0.17	1.49	1.49	1.61	1.61	6.20	2.97	6
OFFSET	18.05	9.03	0.00	9.77	19.54							
99+00.00	0.16	0.16	0.16	0.16	0.16	1.53	1.53	1.56	1.54	6.15	11.44	24
OFFSET	18.83	9.41	0.00	9.64	19.29							
99+50.00	0.16	0.18	0.19	0.20	0.20	2.15	2.37	2.17	2.20	8.90	13.94	29
OFFSET	25.69	12.84	0.00	11.20	22.39							
99+70.00	0.28	0.17	0.15	0.40	0.81	4.52	3.19	5.44	12.07	25.22	12.64	26
OFFSET	40.00	20.00	0.00	20.00	40.00							
NORTHWESTERN RESURFACING NORTH SUBTOTAL												85
100+30.00	0.45	0.44	0.42	0.42	0.41	13.28	12.83	12.53	12.38	51.00		
OFFSET	60.00	30.00	0.00	30.00	60.00							
100+50.00	0.17	0.18	0.20	0.18	0.17	2.34	2.60	2.79	2.51	10.24	22.68	47
OFFSET	26.74	13.37	0.00	14.38	28.76							
101+00.00	0.17	0.17	0.17	0.17	0.17	1.72	1.74	1.53	1.51	6.51	15.50	32
OFFSET	20.66	10.33	0.00	9.09	18.18							
101+50.00	0.17	0.17	0.17	0.17	0.17	1.56	1.56	1.54	1.54	6.19	11.76	24
OFFSET	18.91	9.46	0.00	9.30	18.61							
101+73.54	0.17	0.17	0.17	0.17	0.17	1.56	1.56	1.54	1.54	6.19	5.40	11
OFFSET	18.91	9.46	0.00	9.30	18.61							
NORTHWESTERN RESURFACING SOUTH SUBTOTAL												115
NORTHWESTERN AVENUE RESURFACING SUBTOTAL												199

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 PLAN  
 NOTE BOOK NO. \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 PROFILE  
 NOTE BOOK NO. \_\_\_\_\_

REVISIONS	
NAME	DATE

  
**SUNSET AVENUE**  
**QUANTITY SCHEDULES**





FILE #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	18
SCHEDULES				
CONTRACT NO. 83847				
ALIGNMENT: SUNSET AVENUE				

16 SCHEDULE OF AGGREGATE SUBGRADE AND GEOTECHNICAL FABRIC								
SUNSET AVENUE RECONSTRUCTION								
FROM	TO	LT/RT	AVERAGE WIDTH (FT)	LENGTH (FT)	DESCRIPTION	12" AGGREGATE SUBGRADE Z0001050 (SY)	GEOTECH FAB F/GR STAB 21001000 (SY)	
5+00.00	5+17.47	LT/RT	69.16	17.47		134	169	
5+17.47	9+41.88	LT/RT	71.16	424.41	TRANSITION SECTION	3356	4204	
9+41.88	10+71.55	LT/RT	73.16	129.67		1054	1313	
10+71.55	19+90.90	LT	32.16	919.35	LT OF MEDIAN	3291	5130	
10+71.55	19+90.90	RT	32.16	919.35	RT OF MEDIAN	3279	5118	
19+90.90	20+92.54	LT/RT	73.16	101.64		826	1029	
20+92.54	25+25.18	LT/RT	71.16	432.64	TRANSITION SECTION	3421	4286	
25+25.18	25+68.00	LT/RT	69.16	42.82		329	415	
SUNSET AVENUE RECONSTRUCTION SUBTOTALS						15690	21665	
SUNSET AVENUE WIDENING								
FROM	TO	LT/RT	AVERAGE WIDTH (FT)	LENGTH (FT)	DESCRIPTION	12" AGGREGATE SUBGRADE Z0001050 (SY)	GEOTECH FAB F/GR STAB 21001000 (SY)	
27+09.19	30+72.36	LT	4.59	363.17		185	912	
27+35.43	31+17.36	RT	8.53	381.93	WIDENING	362	1126	
30+72.36	46+50.33	LT	6.34	1577.97	WIDENING	1112	4268	
31+17.36	32+90.56	RT	12.45	173.20	WIDENING	240	566	
32+90.56	34+12.92	RT	8.46	122.36	WIDENING	115	380	
34+12.92	38+97.46	RT	4.57	484.54		246	1215	
38+97.46	46+56.15	RT	11.90	758.69	WIDENING	1003	2521	
47+64.30	48+08.89	LT	5.57	44.59	WIDENING	28	117	
47+65.56	49+53.72	RT	10.15	188.16	WIDENING	212	588	
49+53.72	51+44.00	RT	8.29	190.28	WIDENING	175	556	
48+08.89	50+39.70	LT	4.57	230.81		117	579	
50+39.70	50+99.89	LT	5.53	60.19	WIDENING	37	157	
50+99.89	51+58.36	LT	4.62	58.47		30	147	
51+44.00	52+49.52	RT	5.59	105.52	WIDENING	66	277	
51+58.36	52+09.25	LT	5.54	50.89	WIDENING	31	133	
52+09.25	54+81.97	LT	4.58	272.72		139	684	
52+49.52	54+64.40	RT	4.41	214.88		105	535	
SUNSET AVENUE WIDENING SUBTOTALS						4203	14760	
ERNIE KRUGER CIRCLE WIDENING								
FROM	TO	LT/RT	AVERAGE WIDTH (FT)	LENGTH (FT)	DESCRIPTION	12" AGGREGATE SUBGRADE Z0001050 (SY)	GEOTECH FAB F/GR STAB 21001000 (SY)	
46+50.33	46+88.63	LT	4.53	100.07	EKC NW RETURN	50	251	
46+56.15	46+97.27	RT	5.94	115.02	EKC SW RETURN	76	306	
47+21.95	47+64.30	LT	4.89	102.03	EKC NE RETURN	53	257	
47+26.92	47+65.56	RT	6.16	114.25	EKC SE RETURN	78	307	
ERNIE KRUGER CIRCLE WIDENING SUBTOTALS						258	1120	
NORTHWESTERN AVENUE WIDENING								
FROM	TO	LT/RT	AVERAGE WIDTH (FT)	LENGTH (FT)	DESCRIPTION	12" AGGREGATE SUBGRADE Z0001050 (SY)	GEOTECH FAB F/GR STAB 21001000 (SY)	
98+02.04	98+37.04	LT	4.58	35.00	BUTT JOINT	18	88	
98+02.12	98+37.12	RT	4.58	35.00	BUTT JOINT	18	88	
98+37.04	99+73.32	LT	13.40	165.18	NW AVE SW RETURN	246	576	
98+37.12	99+09.83	RT	5.58	72.71	NORTHWESTERN AVE	45	190	
99+09.83	99+69.72	RT	10.86	93.99	NW AVE SE RETURN	114	302	
100+30.80	100+81.15	LT	9.38	90.14	NW AVE NW RETURN	94	274	
100+37.50	101+73.28	RT	11.28	142.67	NW AVE NE RETURN	179	454	
100+81.15	101+73.81	LT	2.70	92.66	NORTHWESTERN AVE	28	213	
101+73.81	102+08.81	LT	4.58	35.00	BUTT JOINT	18	88	
101+73.28	102+08.28	RT	4.58	35.00	BUTT JOINT	18	88	
NORTHWESTERN AVENUE WIDENING SUBTOTALS						776	2371	
UNDERCUT AREAS								
FROM	TO	LT/RT	AVERAGE HEIGHT (FT)	LENGTH (FT)	DESCRIPTION	12" AGGREGATE SUBGRADE Z0001050 (SY)	GEOTECH FAB F/GR STAB 21001000 (SY)	
31+00.00	35+00.00	LT	1.00	400.00	TWO SIDES EACH SECTION		800	
31+00.00	35+00.00	RT	1.00	400.00	TWO SIDES EACH SECTION		800	
NORTHWESTERN AVENUE WIDENING SUBTOTALS						0	1600	

17 DRIVEWAY PAVEMENT REMOVAL 44000200				
STA	RT/LT	AVERAGE WIDTH (FT)	LENGTH (FT)	AREA (SY)
51+30.50	RT	34.1	19.0	71.9
TOTAL				72

18 SCHEDULE OF CLASS D PATCHES			
TOTAL PATCHING AREA = 5% OF BIT SURF REM 1 1/2" AREA			
PATCH TYPE	TOTAL PATCHING AREA (SY)	% OF TOTAL PATCHING	AREA (SY)
I	1009	10	101
II	1009	15	151
III	1009	45	454
IV	1009	30	303

19 TEMPORARY PAVEMENT X0712400		
STA	WIDTH (FT)	AREA (SY)
19+84.90	1.0	
20+52.17	4.1	19.3
21+21.79	5.6	37.8
22+54.87	12.1	130.8
23+17.76	10.3	78.2
24+51.73	1.0	84.2
TOTAL		350

20 HOT-MIX ASPHALT SURFACE REMOVAL 1 1/2" 44000155				
FROM	TO	DESCRIPTION	AVERAGE WIDTH (FT)	AREA (SY)
3+10.00	5+00.00	RESURFACING AT PROJECT LIMIT	60.0	1266.7
25+68.00	27+39.66	INTERSECTION AT NORTHWESTERN	57.4	1094.1
27+39.66	30+25.83	SUNSET	28.1	894.1
30+25.83	32+91.83	SUNSET	26.9	794.3
32+91.83	34+11.15	SUNSET	28.3	374.9
34+11.15	38+09.28	SUNSET	9.0	398.0
38+09.28	39+24.02	SUNSET	141.2	1800.2
39+24.02	54+73.19	SUNSET	8.8	1511.3
46+50.80	47+63.83	ERNIE KRUGER - NORTH LEG		716.7
46+61.83	47+65.15	ERNIE KRUGER - SOUTH LEG		2572.6
98+02.08	99+71.55	NORTHWESTERN - SOUTH LEG		694.3
100+34.83	102+08.52	NORTHWESTERN - NORTH LEG		9326.5
TOTAL				21444

21 SAWING BITUMINOUS CONCRETE PAVEMENT Z0062400				
FROM	TO	LT/RT	DESCRIPTION	LENGTH (FT)
98+37.04	98+59.42	LT	NORTHWESTERN AVE.	23.4
99+09.80	99+19.31	RT	NORTHWESTERN AVE.	10.5
100+76.67	100+80.95	LT	NORTHWESTERN AVE.	6.2
101+48.76	101+73.28	RT	NORTHWESTERN AVE.	25.8
27+09.18	30+88.59	LT		384.8
46+60.49	46+71.44	LT		12.9
47+28.77	48+08.89	LT		89.2
48+08.89	50+39.70	LT		230.3
50+39.70	50+99.89	LT		62.1
51+58.44	52+09.25	LT		52.7
52+09.25	53+19.36	LT		109.9
30+38.94	31+17.24	RT		78.3
33+97.20	38+97.46	RT		498.6
46+95.41	46+96.91	RT	ERNIE KRUGER	11.2
47+24.79	47+25.76	RT	ERNIE KRUGER	8.8
51+44.00	52+49.52	RT		46.4
53+07.23	53+58.35	RT		50.5
TOTAL				1702

DATE	BY	CHKD
DATE	BY	CHKD
DATE	BY	CHKD
DATE	BY	CHKD
DATE	BY	CHKD

DATE	BY	CHKD
DATE	BY	CHKD
DATE	BY	CHKD
DATE	BY	CHKD
DATE	BY	CHKD

REVISIONS	
NAME	DATE



SUNSET AVENUE  
QUANTITY SCHEDULES

FAA/	SECTION	COUNTY	TOTAL	SHEET
1215	99-00169-05-WR	LAKE	153	19
SCHEDULES				
CONTRACT NO. 83847		ALWAYS	SUNSET AVENUE	

22 COMBINATION CURB AND GUTTER REMOVAL 44000500				
FROM	TO	LT/RT	DESCRIPTION	LENGTH (FT)
8+00.00	25+48.18	LT	SUNSET	1748.1
9+00.00	25+93.79	RT	SUNSET	1692.8
25+48.18	26+31.87	LT	RETURN AT NORTHWESTERN	105.9
25+48.18	26+37.00	RT	RETURN AT NORTHWESTERN	96.9
26+33.63	26+30.85	LT	NORTHWESTERN	116.6
26+40.99	26+39.07	RT	NORTHWESTERN	35.0
26+68.26	26+67.42	LT	NORTHWESTERN	35.0
26+70.96	27+03.81	LT	RETURN AT NORTHWESTERN	80.5
26+74.83	27+09.77	RT	RETURN AT NORTHWESTERN	54.5
26+76.83	26+76.93	RT	NORTHWESTERN	106.0
27+03.81	33+84.59	LT	SUNSET	681.3
26+76.93	30+38.97	RT	SUNSET	329.2
30+38.97	30+62.18	RT	DRIVEWAY RETURN	37.1
31+03.92	31+28.29	RT	DRIVEWAY RETURN	40.2
33+84.59	36+01.67	RT	SUNSET	473.3
30+38.97	34+14.71	LT	DRIVEWAY RETURN	39.0
34+56.43	34+93.08	LT	DRIVEWAY RETURN	40.6
34+93.08	36+02.91	LT	SUNSET	110.0
34+14.71	36+32.64	RT	DRIVEWAY RETURN	42.8
36+02.91	36+33.35	LT	DRIVEWAY RETURN	42.0
36+66.12	36+86.57	LT	DRIVEWAY RETURN	33.2
36+71.58	37+04.28	RT	DRIVEWAY RETURN	44.3
36+33.35	38+16.69	LT	SUNSET	130.5
37+04.28	38+03.51	RT	SUNSET	99.1
37+04.28	38+36.70	RT	DRIVEWAY RETURN	45.3
38+03.51	38+37.96	LT	DRIVEWAY RETURN	32.5
38+63.88	38+80.92	LT	DRIVEWAY RETURN	29.6
38+76.12	39+24.17	RT	DRIVEWAY RETURN	64.2
38+37.96	42+62.13	LT	SUNSET	381.9
39+24.17	42+32.87	RT	SUNSET	308.3
39+24.17	42+76.91	RT	DRIVEWAY RETURN	61.3
42+32.87	42+75.64	LT	DRIVEWAY RETURN	25.2
43+00.91	43+19.97	LT	DRIVEWAY RETURN	29.8
43+16.47	43+45.45	RT	DRIVEWAY RETURN	63.4
42+75.64	46+50.92	LT	SUNSET	330.2
43+45.45	46+61.71	RT	SUNSET	300.0
46+50.92	46+89.78	LT	ERNIE KRUGER RETURN	71.5
46+50.92	46+96.14	RT	ERNIE KRUGER RETURN	68.4
47+23.32	47+66.10	LT	ERNIE KRUGER RETURN	76.1
47+25.92	47+65.50	RT	ERNIE KRUGER RETURN	74.8
47+66.10	50+93.18	RT	SUNSET	328.4
47+66.10	50+95.35	LT	SUNSET	328.6
47+65.50	51+17.78	RT	DRIVEWAY RETURN	36.1
50+95.35	51+13.26	LT	DRIVEWAY RETURN	29.2
51+43.40	51+69.05	RT	DRIVEWAY RETURN	34.9
51+45.28	51+65.62	LT	DRIVEWAY RETURN	33.8
51+13.26	53+18.79	LT	SUNSET	153.1
51+65.62	52+44.95	RT	SUNSET	75.6
52+44.95	52+65.01	RT	DRIVEWAY RETURN	28.7
52+91.79	53+08.71	RT	DRIVEWAY RETURN	26.2
53+18.79	54+71.95	RT	SUNSET	163.3
52+44.95	53+35.14	LT	DRIVEWAY RETURN	25.5
53+72.01	53+90.66	LT	DRIVEWAY RETURN	27.4
53+90.66	54+82.01	LT	SUNSET	91.4
TOTAL				9558

23 SCHEDULE OF CURB AND GUTTER						
FROM	TO	LT/RT	DESCRIPTION	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (ABUTTING EXISTING PAVEMENT) 60605100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 60603800
5+00.00	25+73.65	LT	SUNSET	2073.7		
5+00.00	25+67.98	RT	SUNSET	2067.9		
10+71.55	19+84.90	LT	MEDIAN			919.9
10+71.55	19+84.90	RT	MEDIAN			918.8
25+67.98	26+37.07	RT	RETURN AT NORTHWESTERN AVE, SW	162.1		
25+73.65	26+30.88	LT	RETURN AT NORTHWESTERN AVE, NW	81.7		
26+30.88	26+31.63	LT	RETURN AT NORTHWESTERN AVE, NW		9.9	
26+31.63	26+30.85	LT	NORTHWESTERN		116.6	
26+37.07	26+40.99	RT	NORTHWESTERN		35.0	
26+67.42	26+68.27	LT	NORTHWESTERN		35.0	
26+70.27	27+10.39	LT	RETURN AT NORTHWESTERN AVE, NE	140.9		
26+77.45	27+35.43	RT	RETURN AT NORTHWESTERN AVE, SE	92.6		
27+10.39	27+39.64	LT	RETURN AT NORTHWESTERN AVE, NE		31.5	
27+35.43	30+47.73	RT	SUNSET	312.3		
27+39.64	30+72.36	LT	SUNSET		332.7	
27+76.84	27+77.45	RT	RETURN AT NORTHWESTERN AVE, SE		105.9	
30+47.73	30+61.53	RT	DRIVEWAY RETURN	24.3		
30+72.36	33+89.88	LT	SUNSET	317.6		
30+72.36	34+05.00	LT	DRIVEWAY RETURN	33.4		
31+05.00	31+19.57	RT	DRIVEWAY RETURN	23.6		
31+19.57	34+12.88	RT	SUNSET	293.3		
34+12.88	36+05.36	RT	SUNSET		192.5	
34+60.55	34+84.47	LT	DRIVEWAY RETURN	33.5		
34+84.47	36+18.13	LT	SUNSET	134.0		
36+05.36	36+32.28	RT	DRIVEWAY RETURN	41.7		
36+18.13	36+32.68	LT	DRIVEWAY RETURN	25.1		
36+66.72	36+81.26	LT	DRIVEWAY RETURN	25.1		
36+72.01	36+98.98	RT	DRIVEWAY RETURN	41.7		
36+81.26	38+23.05	LT	SUNSET	142.2		
36+98.98	38+97.46	RT	SUNSET		198.5	
38+23.05	38+37.55	LT	DRIVEWAY RETURN	25.0		
38+64.38	38+79.09	LT	DRIVEWAY RETURN	25.2		
38+79.09	42+59.17	LT	SUNSET	380.8		
38+97.46	42+49.70	RT	SUNSET	352.2		
42+49.70	42+75.53	RT	DRIVEWAY RETURN	41.3		
42+59.17	42+74.32	LT	DRIVEWAY RETURN	25.4		
43+02.38	43+17.97	LT	DRIVEWAY RETURN	25.6		
43+17.97	43+43.38	RT	DRIVEWAY RETURN	41.3		
43+17.97	46+50.33	LT	SUNSET	331.6		
43+43.38	46+56.15	RT	SUNSET	313.6		
46+50.33	46+87.14	LT	RETURN AT ERNIE KRUGER NW + TANG	78.3	20.5	
46+56.15	46+95.59	RT	RETURN AT ERNIE KRUGER SW + TANG	58.6	53.3	
47+23.34	47+64.30	LT	RETURN AT ERNIE KRUGER NE + TANG	39.8	59.5	
47+28.44	47+65.56	RT	RETURN AT ERNIE KRUGER SE + TANG	58.7	52.4	
47+64.30	48+08.89	LT	SUNSET	44.5		
47+65.56	50+99.22	RT	SUNSET	334.4		
48+08.89	50+39.70	LT	SUNSET		230.2	
50+39.70	50+98.06	LT	SUNSET	58.2		
50+98.06	51+12.52	LT	DRIVEWAY RETURN	22.2		
50+99.22	51+16.68	RT	DRIVEWAY RETURN	27.0		
51+44.57	51+63.92	RT	DRIVEWAY RETURN	28.3		
51+44.61	51+59.18	LT	DRIVEWAY RETURN	22.2		
51+59.18	52+09.25	LT	SUNSET	50.0		
51+63.92	52+49.46	RT	SUNSET	85.9		
52+09.25	53+15.43	LT	SUNSET		109.8	
52+49.46	52+63.96	RT	DRIVEWAY RETURN	25.0		
52+92.78	53+07.30	RT	DRIVEWAY RETURN	25.1		
53+07.30	54+64.40	RT	SUNSET		157.2	
53+15.43	53+33.85	LT	DRIVEWAY RETURN	23.7		
53+32.48	53+35.84	LT	DRIVEWAY		3.355	
53+71.22	53+74.80	LT	DRIVEWAY		3.575	
53+73.24	53+87.75	LT	DRIVEWAY RETURN	23.5		
53+87.75	54+81.97	LT	SUNSET		94.3	
TOTALS				8632	1635	1846

24 SCHEDULE OF SIDEWALK						
FROM	TO	LT/RT	WIDTH (FT)	SIDEWALK REMOVAL (SF) 44000600	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (SF) 42400200	DETECTABLE WARNING (SF) 42400800
25+84.53	25+89.55	LT	4.5		23.5	
25+85.84	25+90.43	RT	4.5		23.7	
25+90.43	25+95.32	LT	5.0		31.5	
25+95.32	25+95.68	RT	5.0		31.9	
25+95.68	26+19.97	LT	6.5		206.7	65.7
26+19.97	26+08.36	RT	6.5		125.6	40.2
26+08.36	26+11.03	RT	5.0		30.4	
26+11.03	26+13.05	RT	4.5		22.7	
26+13.05	26+23.83	LT	5.0		31.5	
26+23.83	26+25.24	LT	4.5		23.5	
26+83.44	26+86.08	RT	4.5		23.5	
26+86.08	26+89.33	RT	5.0		31.5	
26+89.33	27+04.72	RT	6.5		136.7	43.4
26+94.77	26+97.06	LT	4.5		23.0	
26+97.06	27+00.00	LT	5.0		31.1	
27+00.00	27+11.31	LT	8.5		120.4	38.5
27+11.31	27+12.35	RT	12.4		113.0	19.9
27+12.35	27+16.77	LT	5.0		31.0	
27+16.77	27+18.39	RT	5.0		31.5	
27+18.39	27+21.32	LT	4.5		23.4	
27+21.32	27+23.32	RT	4.5		23.5	
50+46.53	51+15.66	RT	5.0	361.2	361.2	
51+12.76	51+16.50	RT	5.0		35.1	10.7
51+44.94	51+49.17	RT	5.0		35.3	10.8
51+46.44	52+64.05	RT	5.0	583.1	583.1	
52+61.20	52+63.96	RT	5.0		30.8	9.7
52+92.81	52+95.52	RT	5.0		33.0	10.3
52+93.30	53+16.08	RT	5.0	117.3	117.3	
TOTAL				1082	2335	249


25 PROTECTIVE COAT 42001300				
	LENGTH (FT)	WIDTH (FT)	AREA (SF)	AREA (SY)
PCC SIDEWALK			1062	118.0
PCC SIDEWALK ACCESSIBILITY RAMPS			1140	126.6
CORRUGATED MEDIANS			2753	305.9
B-6.24 CURB AND GUTTER	8632	3.0	25895	2877.2
B-6.24 CURB AND GUTTER (ABUTTING EX. PAVEMENT)	1835	3.0	5505	611.6
B-6.12 CURB AND GUTTER	1846	2.0	3691	410.1
TOTAL				4449

26 CORRUGATED MEDIAN 60624600		
FROM	TO	AREA (SQ. FT)
9+83.68	10+71.55	1376.5
19+90.90	20+78.79	1376.5
TOTAL		2753

DATE	
BY	
DESIGNED	
CHECKED	
IN CHARGE	
DATE	
BY	
PLAN	
NO.	

DATE	
BY	
PROFILE	
NO.	

REVISIONS	
NAME	DATE

  
**Lake County**  
 Division of Transportation  
**SUNSET AVENUE**  
**QUANTITY SCHEDULES**

TALE SHEET	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1215	99-00169-05-WR	LAKE	153	20
SCHEDULES				
CONTRACT NO. 83947		BLVD	SUNSET AVENUE	

27 SCHEDULE OF PROPOSED STORM SEWER

STORM SEWERS, CLASS A, TYPE 1 12" 550A0050								
FROM	TO	LT/RT	DESCRIPTION	TYPE	CLASS	LENGTH (FT)	TBF (CY)	PVMT RPL (SY)
14+74.76	14+94.16	LT	12	1	IV	18.4	6.6	
14+81.04	14+94.16	RT	12	1	IV	14.0	5.1	
14+90.54	14+94.16	LT	12	1	IV	26.2	4.9	
14+90.54	14+94.16	RT-LT	12	1	IV	33.2	6.6	
15+24.16	15+40.45	RT	12	1	IV	15.7	5.7	
15+24.16	15+27.79	RT-LT	12	1	IV	33.5	6.5	
15+24.16	15+34.00	LT	12	1	IV	11.2	4.0	
15+24.16	15+27.79	LT	12	1	IV	26.0	5.3	
14+94.16	15+09.29	LT	12	1	IV	12.0	1.2	
14+94.16	15+09.29	RT	12	1	IV	12.0	1.1	
30+62.76	31+03.79	RT	12	1	IV	41.0	8.9	
31+03.79	31+27.15	RT	12	1	IV	19.4	1.1	
TOTAL						263	57.0	

STORM SEWERS, CLASS A, TYPE 2 15" 550A0360								
FROM	TO	LT/RT	DESCRIPTION	TYPE	CLASS	LENGTH (FT)	TBF (CY)	PVMT RPL (SY)
38+81.88	38+98.64	LT-RT	15	2	III	72.5	95.1	37.9
TOTAL						73	95.1	37.9

STORM SEWERS, CLASS A, TYPE 3 30" 550A0730								
FROM	TO	LT/RT	DESCRIPTION	TYPE	CLASS	LENGTH (FT)	TBF (CY)	PVMT RPL (SY)
22+62.05	22+80.15	RT	30	3	IV	23.9		
22+80.15	24+90.00	RT	30	3	IV	207.8		
32+00.44	32+00.44	LT	30	3	IV	19.9	22.9	
32+00.44	32+00.44	RT-LT	30	3	IV	70.1	153.6	43.4
32+00.44	33+74.87	RT	30	3	IV	169.8		
33+74.87	36+04.37	RT	30	3	IV	225.0		
36+04.37	36+93.37	RT	30	3	IV	84.3	171.8	
36+93.37	37+85.63	RT	30	3	IV	87.6		
37+85.63	38+98.64	RT	30	3	IV	108.8		
TOTAL						997	348.4	43.4

STORM SEWERS, CLASS A, TYPE 2 12" 550A0340								
FROM	TO	LT/RT	DESCRIPTION	TYPE	CLASS	LENGTH (FT)	TBF (CY)	PVMT RPL (SY)
9+31.00	9+31.00	RT-LT	12	2	III	64.0	17.8	
9+31.00	9+31.00	LT	12	2	III	5.5	4.0	
11+04.04	11+04.03	RT-LT	12	2	III	64.0	19.6	
11+04.03	11+04.01	LT	12	2	III	5.5	4.4	
13+15.00	13+15.00	LT	12	2	III	29.5	14.4	
13+15.00	13+15.00	RT	12	2	III	29.5	14.4	
17+62.98	17+62.98	LT	12	2	III	29.5	12.4	
17+62.98	17+62.98	RT	12	2	III	29.5	12.4	
20+12.51	20+12.51	LT-RT	12	2	III	64.0	18.6	
20+12.51	20+12.51	RT	12	2	III	5.6	3.0	
22+62.05	22+62.05	LT-RT	12	2	III	62.6	21.3	
22+62.05	22+62.05	RT	12	2	III	5.2	2.9	
24+90.00	24+90.00	LT-RT	12	2	III	60.1	18.0	
24+90.00	24+90.00	RT	12	2	III	14.6	9.5	
26+19.89	26+46.09	RT	12	2	III	38.6	6.5	22.9
26+78.71	26+78.88	RT	12	2	III	19.8	2.8	11.7
27+25.13	27+38.04	RT	12	2	III	11.0		
27+39.77	27+39.77	RT	12	2	III	12.5	6.9	
27+39.77	27+39.77	LT-RT	12	2	III	60.0	12.8	35.0
29+57.08	29+52.15	LT	24	2	III	10.6	5.5	
33+75.00	33+74.87	LT-RT	12	2	III	60.0	21.6	32.6
33+74.87	33+74.87	RT	12	2	III	8.6	5.8	
36+04.49	36+04.37	LT-RT	12	2	III	60.0	27.0	34.4
36+04.37	36+04.37	RT	12	2	III	8.6	6.9	
36+22.14	36+72.18	RT	12	2	III	37.9	6.7	
36+72.18	36+88.52	RT	12	2	III	14.4	2.8	
36+88.52	36+93.37	RT	12	2	III	3.5		
37+85.79	37+85.63	LT-RT	12	2	III	70.7	78.4	36.0
38+98.80	38+98.64	RT	12	2	III	2.6		
40+50.12	40+50.12	LT-RT	12	2	III	60.0	13.7	29.6
40+50.12	40+50.12	RT	12	2	III	18.6	11.4	
41+97.13	41+97.13	LT-RT	12	2	III	60.0	11.8	29.6
41+97.13	41+97.13	RT	12	2	III	8.6	5.1	
42+76.40	43+16.92	RT	12	2	III	40.4	8.3	
43+16.92	43+40.88	RT	12	2	III	20.2	2.5	
43+40.88	43+58.90	RT	12	2	III	17.8		
43+53.85	43+58.90	LT-RT	12	2	III	70.8	21.6	29.6
44+73.83	44+73.83	LT-RT	12	2	III	60.0	11.2	29.6
44+73.83	44+73.83	RT	12	2	III	8.6	5.1	
46+52.96	46+58.90	LT-RT	12	2	III	70.6	16.2	31.4
46+58.90	47+25.78	RT	12	2	III	30.0	3.9	17.8
47+25.78	47+49.38	RT	12	2	III	15.8		
47+49.38	47+67.84	RT	12	2	III	8.6	5.4	
47+67.84	47+67.84	RT	12	2	III	8.6		
47+67.84	47+67.84	LT-RT	12	2	III	60.0	13.2	31.4
48+79.52	48+79.52	RT	12	2	III	8.6	13.3	
48+79.52	48+79.52	LT-RT	12	2	III	60.0	33.1	32.0
50+32.73	50+32.73	LT-RT	12	2	III	60.0	10.4	32.6
50+32.73	50+32.73	RT	12	2	III	8.6	5.0	
51+65.68	51+65.68	RT	12	2	III	8.6	5.8	
51+65.68	51+65.68	LT-RT	12	2	III	60.0	20.2	33.8
52+98.44	52+99.62	LT	12	2	III	6.7	2.0	4.0
53+07.04	53+10.82	RT	12	2	III	10.2	6.4	
TOTAL						1681	582.0	474.0

STORM SEWERS, CLASS A, TYPE 2 18" 550A0380								
FROM	TO	LT/RT	DESCRIPTION	TYPE	CLASS	LENGTH (FT)	TBF (CY)	PVMT RPL (SY)
31+27.15	32+00.44	RT	18	2	III	69.3		
48+79.52	50+32.73	RT	18	2	III	149.7		
50+32.73	51+65.68	RT	18	2	III	129.4	56.8	
51+65.68	53+07.04	RT	18	2	III	137.8	27.0	
52+99.62	53+07.04	LT-RT	18	2	III	60.3	68.0	34.2
TOTAL						547	151.7	34.2

STORM SEWERS, CLASS A, TYPE 2 24" 550A0410								
FROM	TO	LT/RT	DESCRIPTION	TYPE	CLASS	LENGTH (FT)	TBF (CY)	PVMT RPL (SY)
24+90.00	25+61.09	RT	24	2	III	67.2		
26+99.11	27+25.13	RT	24	2	III	26.7	49.4	
29+52.15	29+63.00	LT	24	2	III	393.2		
36+89.00	36+93.37	LT-RT	24	2	III	65.9	93.5	38.9
44+73.83	46+56.66	RT	24	2	III	179.4		
46+56.66	47+67.84	RT	24	2	III	107.5	93.4	34.7
47+67.84	48+79.52	RT	24	2	III	108.8		
TOTAL						949	236.3	73.6

STORM SEWERS, CLASS A, TYPE 3 24" 550A0710								
FROM	TO	LT/RT	DESCRIPTION	TYPE	CLASS	LENGTH (FT)	TBF (CY)	PVMT RPL (SY)
25+61.09	26+99.11	RT	24	3	IV	134.5	188.1	32.5
27+25.13	29+52.15	RT	24	3	IV	223.0		
29+52.15	29+52.15	LT-RT	24	3	IV	70.0	171.3	38.3
29+52.15	29+52.15	RT	24	3	IV	20.2	22.6	
38+98.64	40+50.12	RT	24	3	IV	147.4		
40+50.12	41+97.13	RT	24	3	IV	143.0		
41+97.13	43+58.90	RT	24	3	IV	157.7	86.9	
43+58.90	44+73.83	RT	24	3	IV	111.3		
TOTAL						1007	468.9	70.8

STORM SEWERS, CLASS A, TYPE 1 30" 550A0140								
FROM	TO	LT/RT	DESCRIPTION	TYPE	CLASS	LENGTH (FT)	TBF (CY)	PVMT RPL (SY)
29+63.00	29+83.26	LT	30	1	III	17.3		
30+09.00	30+09.00	LT	30	1	III	32.0		
TOTAL						49		

STORM SEWERS, CLASS A, TYPE 2 30" 550A0430								
FROM	TO	LT/RT	DESCRIPTION	TYPE	CLASS	LENGTH (FT)	TBF (CY)	PVMT RPL (SY)
17+62.98	18+73.65	CL	30	2	III	105.7	133.3	
18+73.65	19+06.00	RT	30	2	III	48.9	51.1	
19+06.00	20+12.51	RT	30	2	III	102.2		
20+12.51	22+62.05	RT	30	2	III	246.2		
30+09.00	31+24.90	LT	30	2	III	111.4		
31+24.90	32+00.44	LT	30	2	III	71.0		
TOTAL						685	184.4	

STORM SEWERS, CLASS A, TYPE 2 36" 550A0450								
FROM	TO	LT/RT	DESCRIPTION	TYPE	CLASS	LENGTH (FT)	TBF (CY)	PVMT RPL (SY)
11+04.01	11+56.97	LT-CL	36	2	III	64.0	49.1	
11+56.97	13+15.00	CL	36	2	III	153.0	205.8	
TOTAL						217	254.9	

STORM SEWERS, CLASS A, TYPE 2 42" 550A0470								
FROM	TO	LT/RT	DESCRIPTION	TYPE	CLASS	LENGTH (FT)	TBF (CY)	PVMT RPL (SY)
8+00.00	9+31.00	LT	42	2	III	125.5		
9+31.00	11+04.01	LT	42	2	III	168.1		
TOTAL						294		

STORM SEWERS, CLASS A, TYPE 3 42" 550A0770								
FROM	TO	LT/RT	DESCRIPTION	TYPE	CLASS	LENGTH (FT)	TBF (CY)	PVMT RPL (SY)
6+00.00	8+00.00	LT	42	3	IV	193.3		
TOTAL						193		

PIPE CULVERTS, CLASS A, TYPE 1 36" 542A0241								
FROM	TO	LT/RT	DESCRIPTION	TYPE	CLASS	LENGTH (FT)	TBF (CY)	PVMT RPL (SY)
5+45.02	6+68.24	LT-RT	36	1		145.0	78.8	
5+52.23	6+76.83	LT-RT	36	1		145.0	78.8	
5+59.43	6+85.42	LT-RT	36	1		145.0	78.8	
TOTAL						435	236.5	

				TRENCH BACKFILL 20800150 (CY)	PAVEMENT REPLACEMENT X0320604 (SY)
TOTAL				2948	734

DATE	
BY	
REVISIONS	
PLAN	
NOTE BOOK	
NO.	
NO.	

DATE	
BY	
REVISIONS	
PROFILE	
NOTE BOOK	
NO.	
NO.	

PAGE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	21
SCHEDULES				
CONTRACT NO. 83847		ILLINOIS	SUNSET AVENUE	


28 SCHEDULE OF PROPOSED DRAINAGE STRUCTURES (1 OF 2)

STA	OFFSET	LT/RT	CB TA 4 DIA T8G 60200805	CB TA 4 DIA T24F&G 60201340	RDCB 4 DIA T24F&G 60214714	MAN TA 4 DIA T1F OL 60218300	MAN TA 4 DIA T1F CL 60218400	MAN TA 5 DIA T1F OL 60221000	MAN TA 5 DIA T1F CL 60221100	MH TA 6D TIF CL RP XX004592	RD MAN 5 DIA T1F OL 60225300	INLETS TA T1F CL 60235300	INLETS TA T8G 60236200	INLETS TA T11F&G 60236800	INLETS TA T24F&G 60237470	PRC FLAR END SEC 30 54213675	GRATING-C FL END S 30 54247150	MANHOLE ADJUSTING RING 60257700	JUNCTION CHAMBER 60247800	CIP RC END SEC 54215400
5+40.82	38.72	LT																	1	
6+64.51	40.08	RT																		
8+00.00	44.00	LT							1									1		1
9+31.00	32.00	LT		1																
9+31.00	32.00	RT													1					
9+31.00	44.00	LT							1									1		
11+04.03	32.00	LT		1																
11+04.04	32.00	RT													1					
11+04.01	44.00	LT							1									1		
11+56.97	0.00	CL						1												
13+15.00	32.00	LT		1																
13+15.00	0.00	CL									1									
13+15.00	32.00	RT		1																
14+71.08	0.00	CL									1									
14+74.86	45.07	LT																		
14+81.04	45.75	RT													1					
14+90.54	3.75	LT									1									
14+94.16	32.00	LT			1															
14+94.16	32.00	RT			1															
15+09.29	32.00	LT																		
15+09.29	32.00	RT													1					
15+24.16	32.00	LT			1															
15+24.16	32.00	RT			1															
15+27.79	3.75	LT									1									
15+34.00	45.07	LT																		
15+40.45	44.90	RT																		
15+47.20	0.00	CL									1									
17+62.98	32.00	LT		1																
17+62.98	0.00	CL							1											
17+62.98	32.00	RT		1																
18+73.65	0.00	CL							1											
19+05.00	44.00	RT								1										
20+12.51	32.00	LT																	1	
20+12.51	32.00	RT		1																
20+12.51	44.00	RT					1													
22+62.05	31.43	RT		1																
22+62.05	42.33	RT							1											
22+62.05	31.43	LT																	1	
22+80.15	63.48	RT							1											
24+90.00	30.08	LT																	1	
24+90.00	30.00	RT		1																
24+90.00	50.57	RT							1											
25+61.09	47.02	RT							1											
26+19.89	73.65	RT																	1	
26+78.86	70.00	RT																	1	
26+99.11	59.05	RT							1											
27+25.13	42.78	RT							1											
27+39.77	46.50	RT	1																	
27+39.77	30.00	LT																	1	
27+39.77	30.00	RT																	1	
29+52.15	54.37	LT																		
29+52.15	30.00	LT																		
29+52.15	43.70	RT		1																
29+63.00	452.07	LT							1											
29+57.08	30.00	RT																	1	
29+83.26	452.02	LT														1	1			
30+05.49	445.00	LT																		
30+05.49	295.00	LT																		
30+09.00	54.37	LT							1											
30+09.00	88.88	LT														1	1			

DATE	
BY	
PLAN	
NO. _____	
DATE	
BY	
PROFILE	
NO. _____	

DATE	
BY	
PROFILE	
NO. _____	

REVISIONS	
NAME	DATE

  
**Lake County**  
 Division of Transportation  
**SUNSET AVENUE**  
**QUANTITY SCHEDULES**

FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	22
SCHEDULES				
CONTRACT NO. 83847		ALUMINUM	SUNSET AVENUE	


28 SCHEDULE OF PROPOSED DRAINAGE STRUCTURES (2 OF 2)

STA	OFFSET	LT/RT	CB TA 4 DIA T8G 60200805	CB TA 4 DIA T24F&G 60201340	RDCB 4 DIA T24F&G 60214714	MAN TA 4 DIA T1F OL 60218300	MAN TA 4 DIA T1F CL 60218400	MAN TA 5 DIA T1F OL 60221000	MAN TA 5 DIA T1F CL 60221100	MH TA 6D TIF CL RP XX004592	RD MAN 5 DIA T1F OL 60225300	INLETS TA T1F CL 60235300	INLETS TA T8G 60236200	INLETS TA T11F&G 60236800	INLETS TA T24F&G 60237470	PRC FLAR END SEC 30 54213675	GRATING-C FL END S 30 54247150	MANHOLE ADJUSTING RING 60257700	JUNCTION CHAMBER 60247800	CIP RC END SEC 54215400	
30+62.76	41.85	RT												1							
31+03.79	41.88	RT				1								1							
31+24.90	54.37	LT																			
31+27.15	42.96	RT	1			1															
32+00.44	54.37	LT							1												
32+00.44	30.00	LT		1																	
32+00.44	44.58	RT							1												
33+75.00	30.00	LT													1						
33+74.87	30.00	RT													1						
33+74.87	42.58	RT					1														
36+04.49	30.00	LT													1						
36+04.37	30.00	RT													1						
36+04.37	42.58	RT					1														
36+22.14	54.50	RT												1							
36+72.18	54.50	RT												1							
36+88.52	48.34	RT	1																		
36+93.37	42.58	RT							1												
37+85.79	30.00	LT	1																		
37+85.63	42.58	RT					1														
38+81.88	30.00	LT		1																	
38+98.80	49.22	RT	1																		
38+98.64	42.58	RT					1														
40+50.12	30.00	LT													1						
40+50.12	30.00	RT													1						
40+50.12	52.58	RT																			
41+97.13	30.00	LT													1						
41+97.13	30.00	RT													1						
41+97.13	42.58	RT					1														
42+76.40	54.50	RT												1							
43+16.92	54.50	RT												1							
43+40.88	54.40	RT	1																		
43+53.85	30.00	LT													1						
43+58.90	42.58	RT					1														
44+73.83	30.00	LT													1						
44+73.83	30.00	RT													1						
44+73.83	42.58	RT																			
46+52.96	30.00	LT													1						
46+56.66	42.58	RT							1												
46+95.95	70.00	RT													1						
47+25.78	70.00	RT													1						
47+49.38	49.47	RT	1																		
47+67.84	42.58	RT					1														
47+67.84	30.00	LT													1						
47+67.84	30.00	RT													1						
48+79.52	30.00	LT					1														
48+79.52	42.58	RT																1			
48+79.52	30.00	RT		1																	
49+52.14	44.50	LT	1																		
50+32.73	30.00	LT													1						
50+32.73	30.00	RT													1						
50+32.73	42.58	RT																			
51+65.68	30.00	LT													1						
51+65.68	30.00	RT													1						
51+65.68	42.58	RT					1														
52+98.44	30.00	LT													1						
52+98.62	21.31	LT							1												
53+07.04	42.58	RT							1												
53+10.82	30.00	RT													1						
TOTALS			8	13	4	3	22	3	9	1	5	2	4	6	34	2	2	5	1	1	

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 REVISIONS CHECKED: \_\_\_\_\_  
 PLAN  
 NOTE BOOK No. \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 REVISIONS CHECKED: \_\_\_\_\_  
 PROFILE  
 NOTE BOOK No. \_\_\_\_\_

REVISIONS	
NAME	DATE

  
**Lake County**  
 Division of Transportation  
**SUNSET AVENUE**  
**QUANTITY SCHEDULES**









FILE #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	26
SCHEDULES				
CONTRACT NO. 83847	PAVING	SUNSET AVENUE		

38 SCHEDULE OF THERMOPLASTIC PAVEMENT MARKINGS

THERMOPLASTIC PAVEMENT MARKING - LINE 4" 78000200				
FROM	TO	LT/RT	DESCRIPTION	LENGTH (ft)
0+71.01	9+91.68	RT	DOUBLE YELLOW	1841.3
5+36.01	9+91.40	LT	DOUBLE YELLOW	910.8
10+71.55	19+84.90	RT	MEDIAN YELLOW	913.3
10+71.55	19+84.90	RT	MEDIAN YELLOW	913.4
20+70.78	23+95.59	RT	DOUBLE YELLOW	649.6
20+70.80	25+93.72	LT	DOUBLE YELLOW	1045.8
27+13.83	31+40.32	RT	DOUBLE YELLOW	853.0
29+29.49	31+45.59	LT	DOUBLE YELLOW	432.2
31+40.19	43+23.19	LT	TWO-WAY TURN LANE YELLOW	1183.0
31+40.19	43+23.19	LT	TWO-WAY TURN LANE YELLOW SKIP	228.3
31+40.19	43+23.19	RT	TWO-WAY TURN LANE YELLOW SKIP	162.4
31+40.32	43+23.18	RT	TWO-WAY TURN LANE YELLOW	1182.9
43+17.20	45+31.90	RT	DOUBLE YELLOW	429.4
43+23.19	46+67.97	LT	DOUBLE YELLOW	689.6
47+65.84	50+30.94	RT	DOUBLE YELLOW	530.2
50+30.89	52+26.92	LT	TWO-WAY TURN LANE YELLOW	196.0
50+30.89	52+26.92	LT	TWO-WAY TURN LANE YELLOW SKIP	40.6
50+30.89	52+26.92	RT	TWO-WAY TURN LANE YELLOW SKIP	295.7
50+30.89	52+26.92	LT	TWO-WAY TURN LANE YELLOW SKIP	107.3
50+30.89	52+26.92	RT	TWO-WAY TURN LANE YELLOW SKIP	172.4
50+30.94	52+26.94	RT	TWO-WAY TURN LANE YELLOW	196.0
51+46.40	61+50.03	RT	DOUBLE YELLOW	2007.2
52+26.92	54+96.97	LT	DOUBLE YELLOW	540.1
56+46.40	60+36.51	LT/RT	DOUBLE YELLOW	1189.8
60+36.52	63+76.00	LT	TWO-WAY TURN LANE YELLOW	339.5
60+36.56	63+76.00	RT	TWO-WAY TURN LANE YELLOW	339.4
97+43.00	99+39.00	LT	DOUBLE YELLOW	392.0
100+61.00	103+51.00	LT	DOUBLE YELLOW	580.0
101+83.00	103+53.00	RT	DOUBLE YELLOW	340.0
TOTAL				18681

THERMOPLASTIC PAVEMENT MARKING - LINE 5" 78000300				
FROM	TO	LT/RT	DESCRIPTION	LENGTH (ft)
46+50.33	49+88.63	LT	WHITE EDGE LINE - RETURN	62.7
46+56.15	46+97.27	RT	WHITE EDGE LINE - RETURN	64.8
47+21.95	47+64.30	LT	WHITE EDGE LINE - RETURN	63.5
47+26.92	47+65.56	RT	WHITE EDGE LINE - RETURN	66.8
98+02.04	99+71.92	LT	WHITE EDGE LINE - RETURN	200.2
98+02.12	99+68.21	RT	WHITE EDGE LINE - RETURN	201.7
100+28.75	102+08.27	RT	WHITE EDGE LINE - RETURN	210.4
100+33.23	102+08.81	LT	WHITE EDGE LINE - RETURN	212.2
TOTAL				1082

THERMOPLASTIC PAVEMENT MARKING - LINE 6" 78000400				
FROM	TO	LT/RT	DESCRIPTION	LENGTH (ft)
3+10.00	5+36.02	LT	WHITE LANE LINES	226.0
3+10.00	5+36.02	LT	WHITE LANE LINES	226.0
23+96.06	25+91.73	RT	WHITE LANE LINES	195.7
27+15.71	29+10.32	LT	WHITE LANE LINES	194.6
45+53.06	46+68.01	RT	WHITE LANE LINES	115.0
47+65.78	48+80.84	LT	WHITE LANE LINES	115.1
53+62.06	54+96.97	RT	WHITE LANE LINES	134.9
56+48.40	59+10.34	LT	WHITE LANE LINES	261.9
97+41.80	99+36.82	RT	WHITE LANE LINES	195.0
100+62.92	101+82.95	LT	WHITE LANE LINES	120.0
TOTAL				1784

THERMOPLASTIC PAVEMENT MARKING - LINE 12" 78000600				
FROM	TO	LT/RT	DESCRIPTION	LENGTH (ft)
27+05.49		LT/RT	WHITE CROSSWALK	213.5
99+46.75		LT/RT	WHITE CROSSWALK	207.8
100+53.00		LT/RT	WHITE CROSSWALK	207.5
5+51.07	9+91.40		YELLOW MEDIAN DIAGONAL	294.6
20+70.80	23+76.29		YELLOW MEDIAN DIAGONAL	170.8
29+48.68	31+45.59		YELLOW MEDIAN DIAGONAL	60.4
43+17.20	45+11.16		YELLOW MEDIAN DIAGONAL	65.0
59+22.17	60+41.41		YELLOW MEDIAN DIAGONAL	40.7
96+47.11	98+10.61		YELLOW MEDIAN DIAGONAL	61.5
TOTAL				1322

THERMOPLASTIC PAVEMENT MARKING - LINE 24" 78000650				
LOCATION	LT/RT	DESCRIPTION	LENGTH (FT)	
27+15.71		STOP BAR	43.0	
54+96.97		STOP BAR	45.8	
56+48.40		STOP BAR	37.6	
99+36.82		STOP BAR	32.1	
100+62.92		STOP BAR	32.2	
TOTAL				191

THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS 78000100				
LOCATION	LT/RT	DESCRIPTION	AREA (SF)	
5+26.02		ARROW + "ONLY"	36.4	
5+26.02		ARROW + "ONLY"	36.4	
5+26.02		ARROW + "ONLY"	36.4	
8+26.02		ARROW + "ONLY"	36.4	
8+26.02		ARROW + "ONLY"	36.4	
24+05.66		ARROW + "ONLY"	36.4	
29+00.00		ARROW + "ONLY"	36.4	
32+31.44		DOUBLE ARROW	31.2	
34+31.44		DOUBLE ARROW	31.2	
37+31.44		DOUBLE ARROW	31.2	
40+32.44		DOUBLE ARROW	31.2	
42+31.00		DOUBLE ARROW	31.2	
45+63.03		ARROW + "ONLY"	36.4	
48+71.00		ARROW + "ONLY"	36.4	
50+49.28		DOUBLE ARROW	31.2	
52+09.00		DOUBLE ARROW	31.2	
53+72.05		ARROW + "ONLY"	36.4	
57+42.21		ARROW + "ONLY"	36.4	
59+00.00		ARROW + "ONLY"	36.4	
97+52.00		ARROW + "ONLY"	36.4	
101+73.00		ARROW + "ONLY"	36.4	
TOTAL				728

39 SCHEDULE OF PAINT PAVEMENT MARKINGS

PAINT PAVEMENT MARKING - LINE 4" 78001110				
FROM	TO	LT/RT	DESCRIPTION	LENGTH (FT)
0+76.23	25+93.84	RT	WHITE SKIP DASH	629.4
5+36.02	25+97.45	LT	WHITE SKIP DASH	515.4
27+20.65	46+60.65	LT	WHITE SKIP DASH	485.0
27+32.01	46+67.92	RT	WHITE SKIP DASH	484.0
47+65.82	54+96.98	LT	WHITE SKIP DASH	182.8
47+65.82	54+96.33	RT	WHITE SKIP DASH	182.6
56+48.23	64+00.00	LT	WHITE SKIP DASH	187.9
TOTAL				2667

PAINT PAVEMENT MARKING - LINE 5" 78001120				
FROM	TO	LT/RT	DESCRIPTION	LENGTH (FT)
3+10.00	25+73.65	LT	WHITE EDGE LINE	2263.6
3+10.00	25+67.98	RT	WHITE EDGE LINE	2258.0
27+35.43	46+56.15	RT	WHITE EDGE LINE	1920.7
27+39.64	46+50.33	LT	WHITE EDGE LINE	1910.7
47+64.30	54+81.97	LT	WHITE EDGE LINE	717.7
47+65.56	54+64.40	RT	WHITE EDGE LINE	698.8
TOTAL				9770


RAISED REFLECTIVE PAVEMENT MARKER 78100100				
FROM	TO	LT/RT	DESCRIPTION	EACH (UNITS)
0+76.23	25+93.84	RT	RED / WHITE	64.0
5+36.02	25+97.45	LT	RED / WHITE	52.0
27+20.65	46+60.65	LT	RED / WHITE	48.0
27+32.01	46+67.92	RT	RED / WHITE	48.0
47+65.82	54+96.98	LT	RED / WHITE	18.0
47+65.82	54+96.33	RT	RED / WHITE	18.0
56+48.23	64+00.00	LT	RED / WHITE	18.0
TOTAL				266

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL 78300200				
FROM	TO	LT/RT	DESCRIPTION	EACH (UNITS)
27+15.08	46+67.97	LT		48.0
47+65.85	54+96.97	LT		18.0
56+46.23	63+00.00	LT		18.0
TOTAL				84

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

DATE	
BY	
PROFILE	CHECKED
NO.	
DATE	
BY	
PROFILE	CHECKED
NO.	

REVISIONS	
NAME	DATE

  
**Lake County**  
Division of Transportation

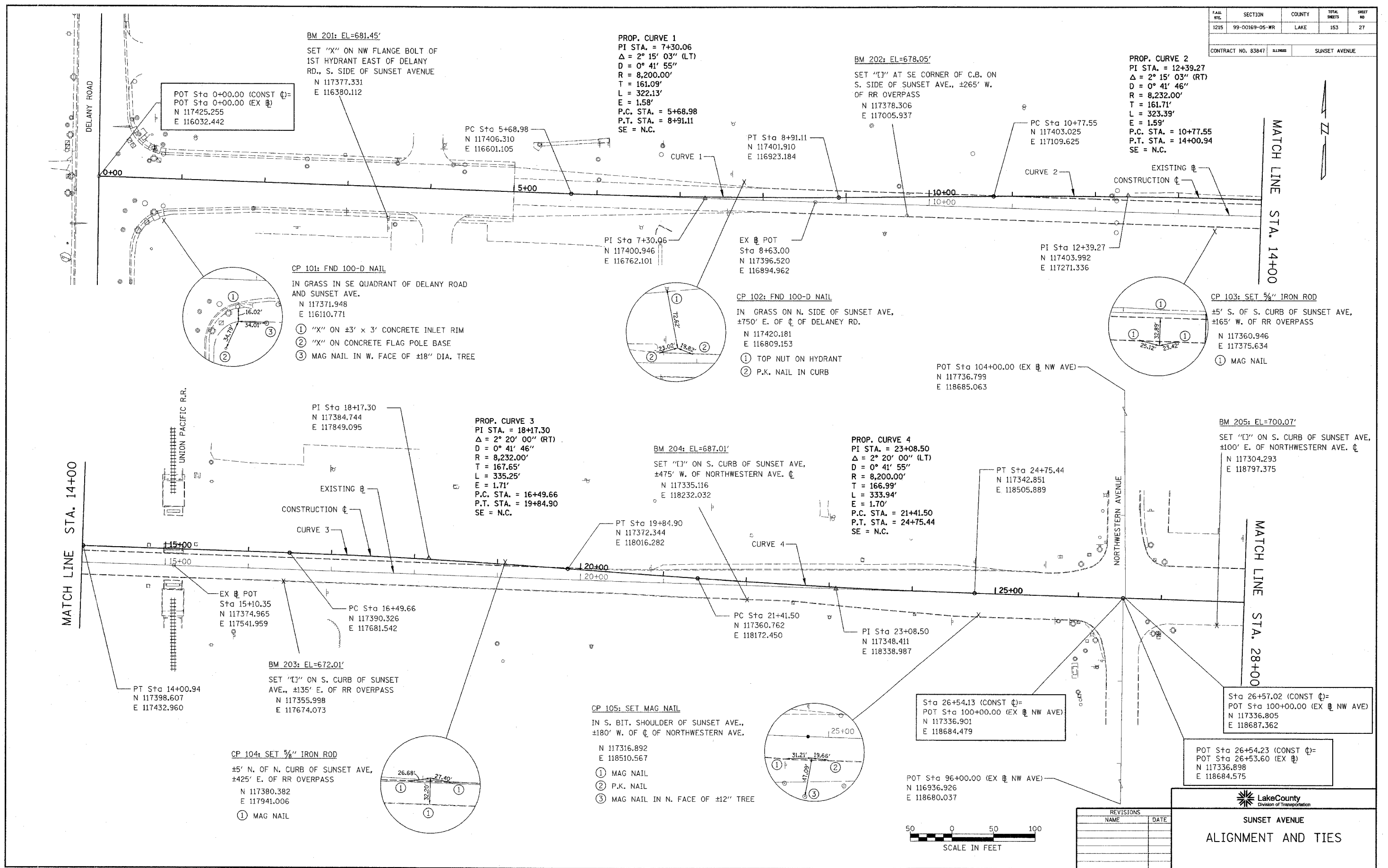
**SUNSET AVENUE**  
**QUANTITY SCHEDULES**

FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	27

CONTRACT NO. 83847 ALLIANCE SUNSET AVENUE

DATE	BY	REVISION

DATE	BY	REVISION



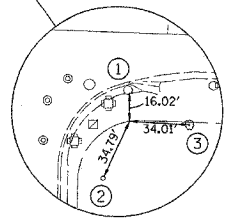
POT Sta 0+00.00 (CONST  $\odot$ )=  
POT Sta 0+00.00 (EX  $\oplus$ )  
N 117425.255  
E 116032.442

BM 201: EL=681.45'  
SET "X" ON NW FLANGE BOLT OF  
1ST HYDRANT EAST OF DELANY  
RD., S. SIDE OF SUNSET AVENUE  
N 117377.331  
E 116380.112

PROP. CURVE 1  
PI STA. = 7+30.06  
 $\Delta = 2^\circ 15' 03''$  (LT)  
D = 0° 41' 55"  
R = 8,200.00'  
T = 161.09'  
L = 322.13'  
E = 1.58'  
P.C. STA. = 5+68.98  
P.T. STA. = 8+91.11  
SE = N.C.

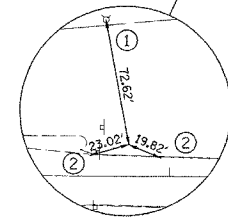
BM 202: EL=678.05'  
SET "LJ" AT SE CORNER OF C.B. ON  
S. SIDE OF SUNSET AVE.,  $\pm 265'$  W.  
OF RR OVERPASS  
N 117378.306  
E 117005.937

PROP. CURVE 2  
PI STA. = 12+39.27  
 $\Delta = 2^\circ 15' 03''$  (RT)  
D = 0° 41' 46"  
R = 8,232.00'  
T = 161.71'  
L = 323.39'  
E = 1.59'  
P.C. STA. = 10+77.55  
P.T. STA. = 14+00.94  
SE = N.C.



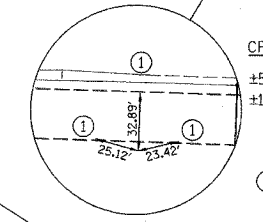
CP 101: FND 100-D NAIL  
IN GRASS IN SE QUADRANT OF DELANY ROAD  
AND SUNSET AVE.  
N 117371.948  
E 116110.771

- "X" ON  $\pm 3'$  x  $3'$  CONCRETE INLET RIM
- "X" ON CONCRETE FLAG POLE BASE
- MAG NAIL IN W. FACE OF  $\pm 18"$  DIA. TREE



CP 102: FND 100-D NAIL  
IN GRASS ON N. SIDE OF SUNSET AVE,  
 $\pm 750'$  E. OF  $\odot$  OF DELANEY RD.  
N 117420.181  
E 116809.153

- TOP NUT ON HYDRANT
- P.K. NAIL IN CURB



CP 103: SET  $\frac{5}{8}"$  IRON ROD  
 $\pm 5'$  S. OF S. CURB OF SUNSET AVE,  
 $\pm 165'$  W. OF RR OVERPASS  
N 117360.946  
E 117375.634

- MAG NAIL

POT Sta 104+00.00 (EX  $\oplus$  NW AVE)  
N 117736.799  
E 118685.063

PI Sta 18+17.30  
N 117384.744  
E 117849.095

PROP. CURVE 3  
PI STA. = 18+17.30  
 $\Delta = 2^\circ 20' 00''$  (RT)  
D = 0° 41' 46"  
R = 8,232.00'  
T = 167.65'  
L = 335.25'  
E = 1.71'  
P.C. STA. = 16+49.66  
P.T. STA. = 19+84.90  
SE = N.C.

BM 204: EL=687.01'  
SET "LJ" ON S. CURB OF SUNSET AVE,  
 $\pm 475'$  W. OF NORTHWESTERN AVE.  $\odot$   
N 117335.116  
E 118232.032

PROP. CURVE 4  
PI STA. = 23+08.50  
 $\Delta = 2^\circ 20' 00''$  (LT)  
D = 0° 41' 55"  
R = 8,200.00'  
T = 166.99'  
L = 333.94'  
E = 1.70'  
P.C. STA. = 21+41.50  
P.T. STA. = 24+75.44  
SE = N.C.

BM 205: EL=700.07'  
SET "LJ" ON S. CURB OF SUNSET AVE,  
 $\pm 100'$  E. OF NORTHWESTERN AVE.  $\odot$   
N 117304.293  
E 118797.375

MATCH LINE STA. 14+00

MATCH LINE STA. 28+00

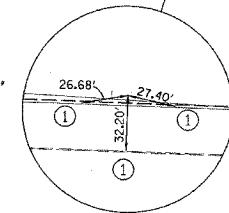
PT Sta 14+00.94  
N 117398.607  
E 117432.960

EX  $\oplus$  POT  
Sta 15+10.35  
N 117374.965  
E 117541.959

BM 203: EL=672.01'  
SET "LJ" ON S. CURB OF SUNSET  
AVE.,  $\pm 135'$  E. OF RR OVERPASS  
N 117355.998  
E 117674.073

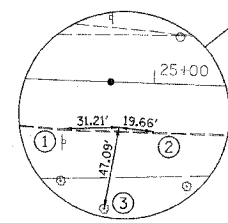
CP 104: SET  $\frac{5}{8}"$  IRON ROD  
 $\pm 5'$  N. OF N. CURB OF SUNSET AVE,  
 $\pm 425'$  E. OF RR OVERPASS  
N 117380.382  
E 117941.006

- MAG NAIL



CP 105: SET MAG NAIL  
IN S. BIT. SHOULDER OF SUNSET AVE.,  
 $\pm 180'$  W. OF  $\odot$  OF NORTHWESTERN AVE.  
N 117316.892  
E 118510.567

- MAG NAIL
- P.K. NAIL
- MAG NAIL IN N. FACE OF  $\pm 12"$  TREE

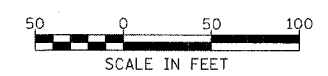


Sta 26+54.13 (CONST  $\odot$ )=  
POT Sta 100+00.00 (EX  $\oplus$  NW AVE)  
N 117336.901  
E 118684.479

POT Sta 96+00.00 (EX  $\oplus$  NW AVE)  
N 116936.926  
E 118680.037

Sta 26+57.02 (CONST  $\odot$ )=  
POT Sta 100+00.00 (EX  $\oplus$  NW AVE)  
N 117336.805  
E 118687.362

POT Sta 26+54.23 (CONST  $\odot$ )=  
POT Sta 26+53.60 (EX  $\oplus$ )  
N 117336.898  
E 118684.575



REVISIONS	
NAME	DATE

**Lake County**  
Division of Transportation

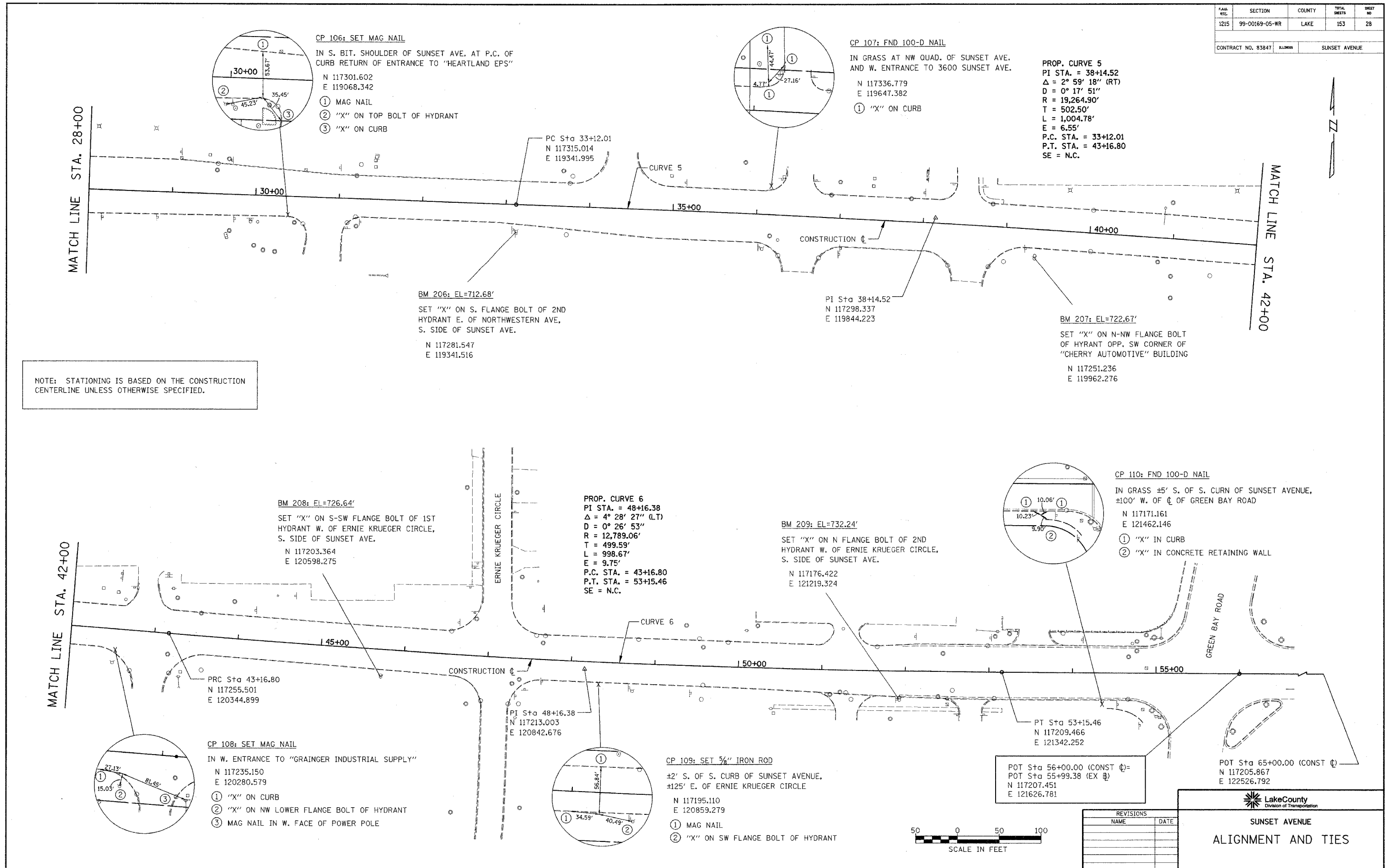
**SUNSET AVENUE  
ALIGNMENT AND TIES**

FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	28

CONTRACT NO. 93847 ALI0005 SUNSET AVENUE

DATE	BY	REVISION

DATE	BY	REVISION



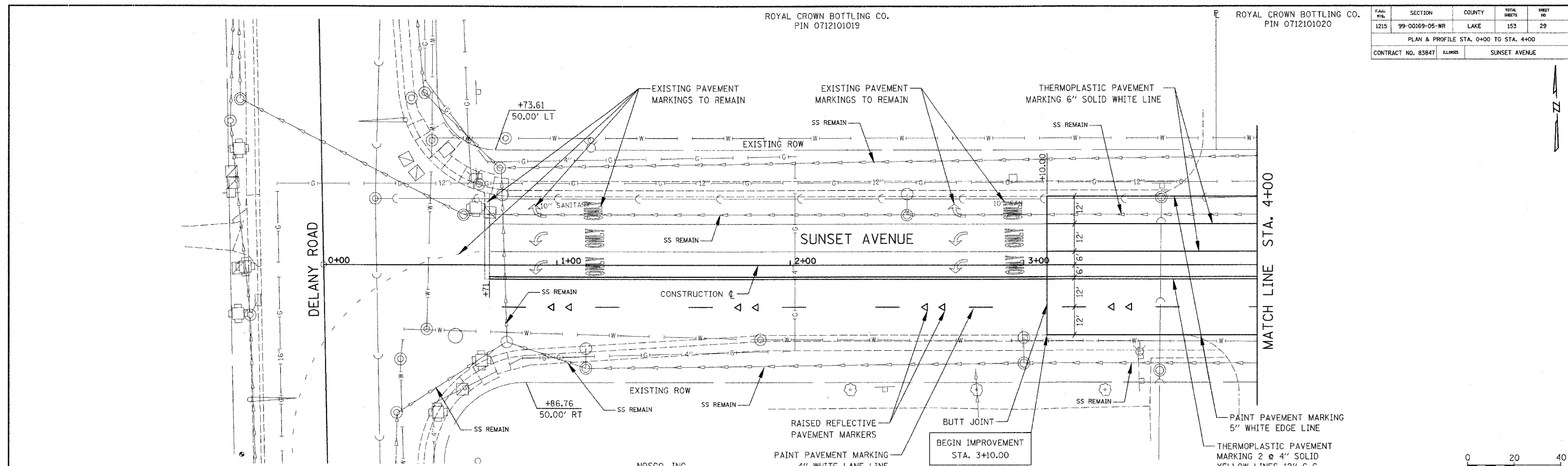
REVISIONS	
NAME	DATE

**Lake County**  
 Division of Transportation

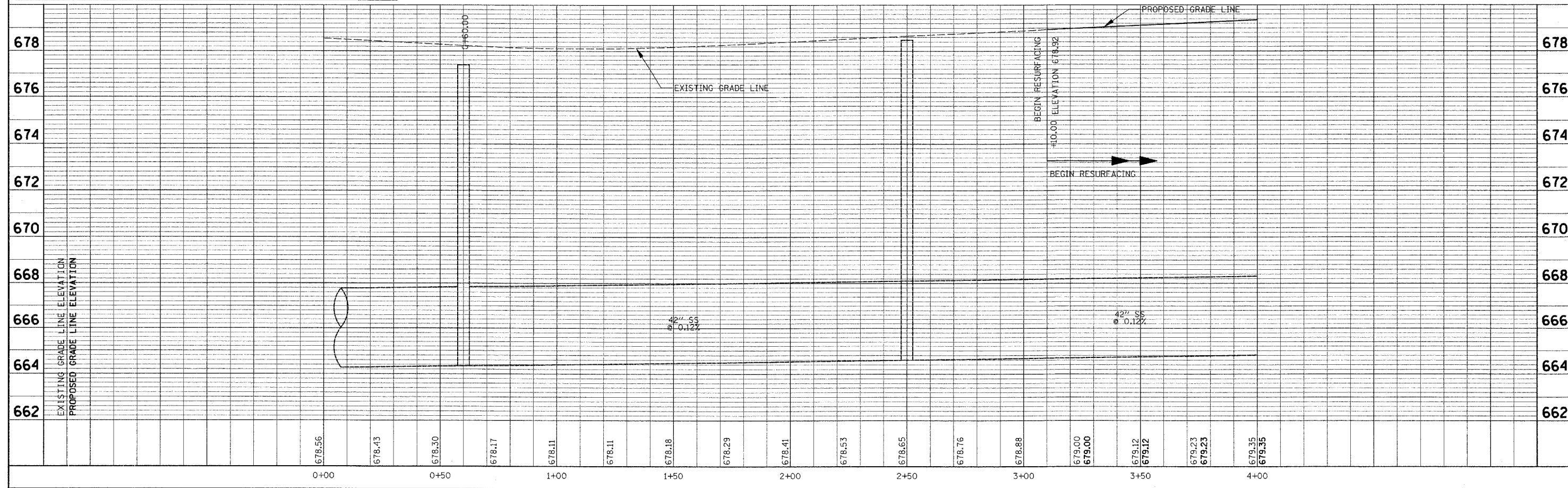
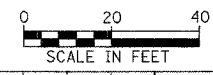
**SUNSET AVENUE**  
**ALIGNMENT AND TIES**



TAX. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-NR	LAKE	153	29
PLAN & PROFILE STA. 0+00 TO STA. 4+00				
CONTRACT NO. 83947		ILLINOIS	SUNSET AVENUE	



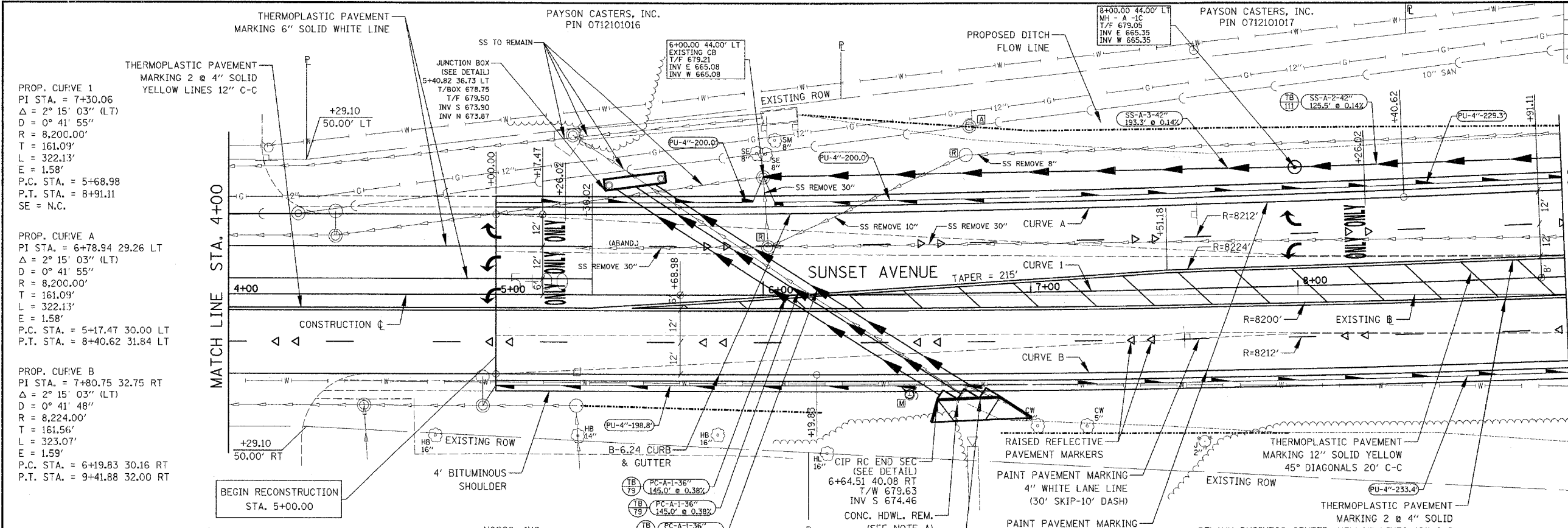
NOTE: ALL STATION AND OFFSET INFORMATION BASED ON CONSTRUCTION CENTERLINE



PLAN	DATE
REVISED	BY
ALIGNED CHECKED	
NOTE BOOK	
NO.	

PROFILE	DATE
REVISED	BY
GRADES CHECKED	
NOTE BOOK	
NO.	

FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	30
PLAN & PROFILE STA. 4+00 TO STA. 9+00				
CONTRACT NO. 83847 ALHMS SUNSET AVENUE				



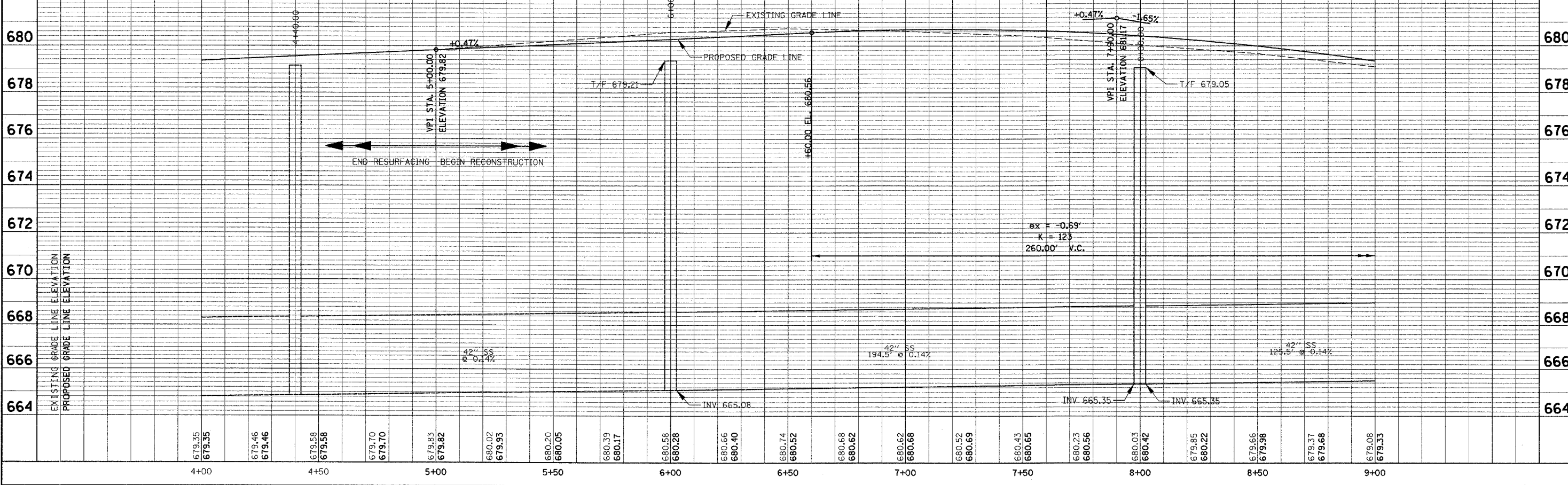
PROP. CURVE 1  
 PI STA. = 7+30.06  
 $\Delta = 2^\circ 15' 03''$  (LT)  
 $D = 0^\circ 41' 55''$   
 $R = 8,200.00'$   
 $T = 161.09'$   
 $L = 322.13'$   
 $E = 1.58'$   
 P.C. STA. = 5+68.98  
 P.T. STA. = 8+91.11  
 SE = N.C.

PROP. CURVE A  
 PI STA. = 6+78.94 29.26 LT  
 $\Delta = 2^\circ 15' 03''$  (LT)  
 $D = 0^\circ 41' 55''$   
 $R = 8,200.00'$   
 $T = 161.09'$   
 $L = 322.13'$   
 $E = 1.58'$   
 P.C. STA. = 5+17.47 30.00 LT  
 P.T. STA. = 8+40.62 31.84 LT

PROP. CURVE B  
 PI STA. = 7+80.75 32.75 RT  
 $\Delta = 2^\circ 15' 03''$  (LT)  
 $D = 0^\circ 41' 48''$   
 $R = 8,224.00'$   
 $T = 161.56'$   
 $L = 323.07'$   
 $E = 1.59'$   
 P.C. STA. = 6+19.83 30.16 RT  
 P.T. STA. = 9+41.88 32.00 RT

NOTE A:  
 HEADWALL: 7.5'L x 0.5'W x 4.5'H  
 W. WINGWALL: 5.0'L x 0.5'W x 3.5'H  
 E. WINGWALL: 16.5'L x 0.5'W x 3.5'H  
 APRON SLAB: 115 SQ.FT. x 0.5'THICK  
 APRON LIP: 20.0L x 0.5'W x 1.5'H

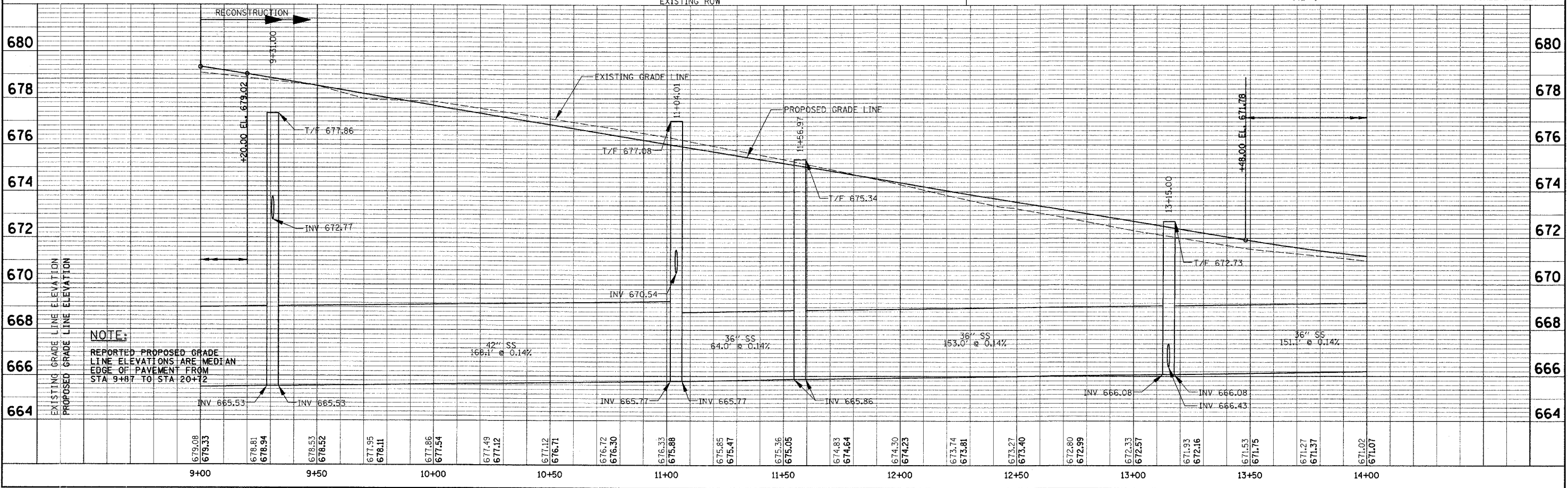
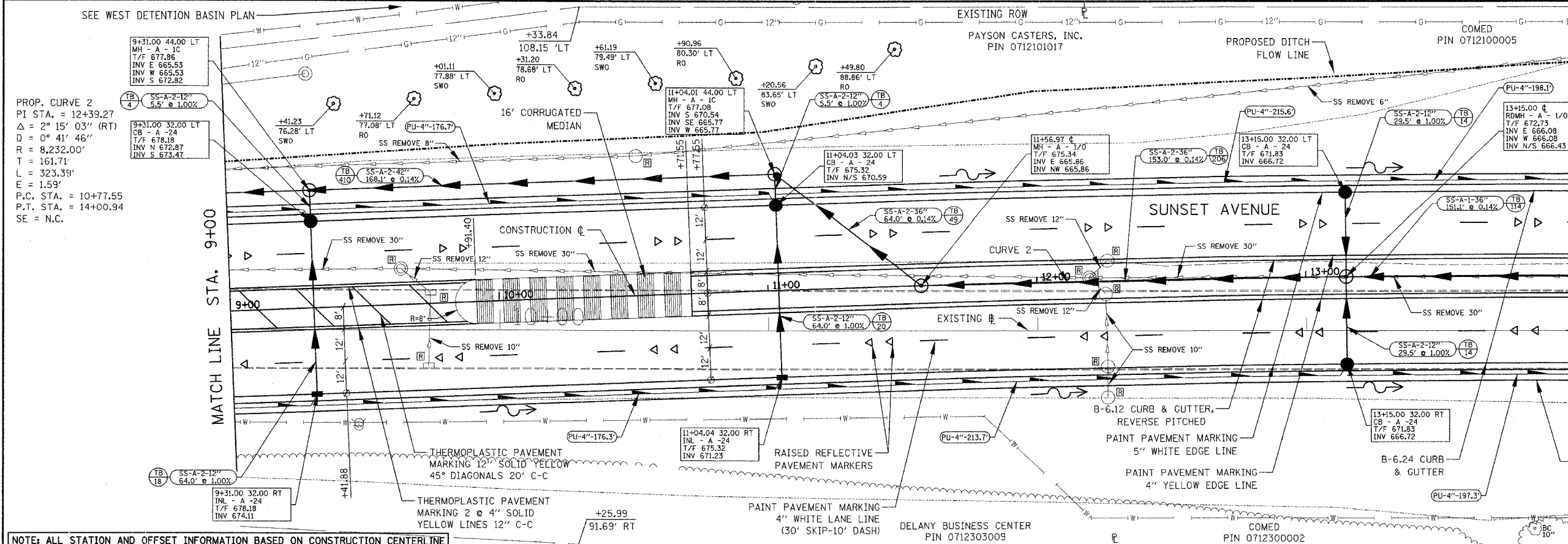
NOTE: ALL STATION AND OFFSET INFORMATION BASED ON CONSTRUCTION CENTERLINE



DATE	BY	REVISION

DATE	BY	REVISION

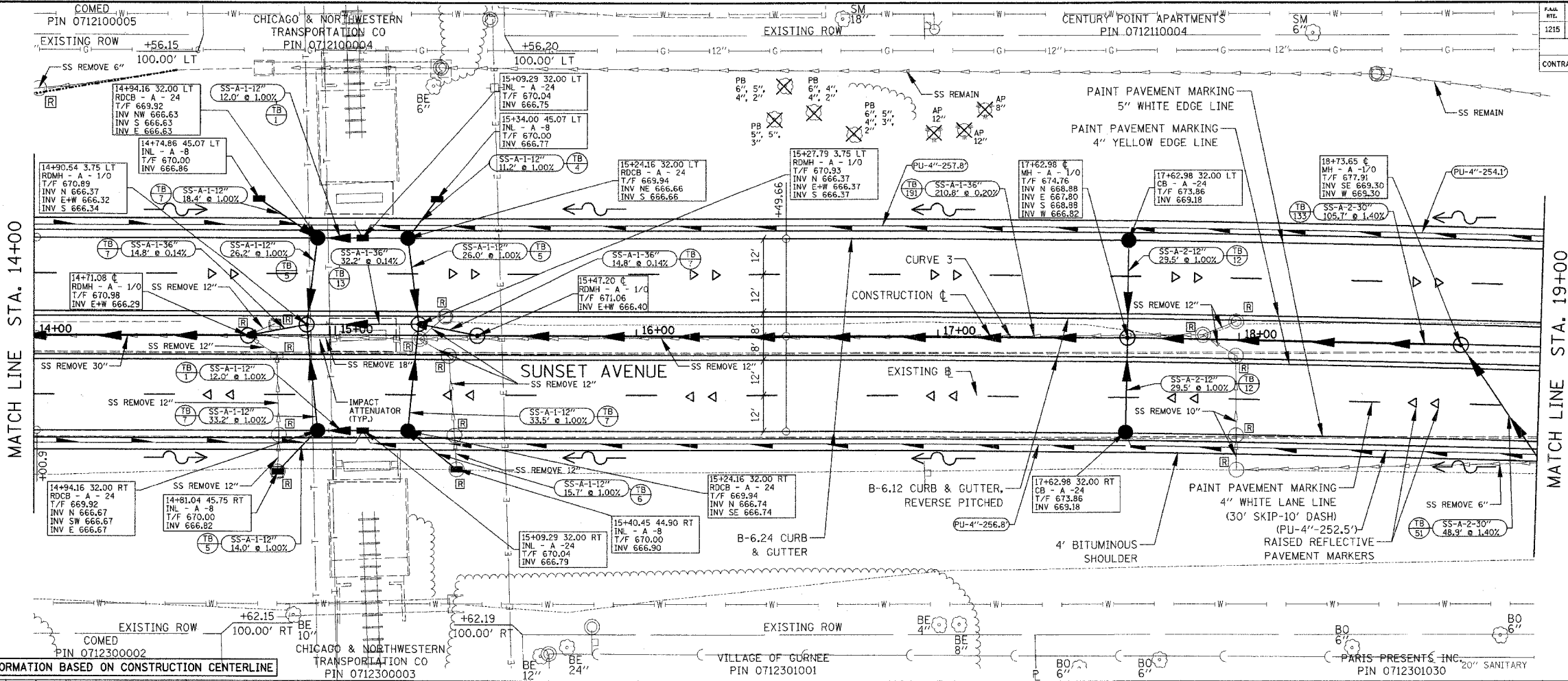
PLAN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	31
PLAN & PROFILE STA. 9+00 TO STA. 14+00				
CONTRACT NO. 83847				
SUNSET AVENUE				



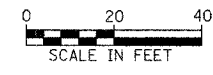


PLAN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	32
PLAN & PROFILE STA. 14+00 TO STA. 19+00				
CONTRACT NO. 83847 ALBANY SUNSET AVENUE				

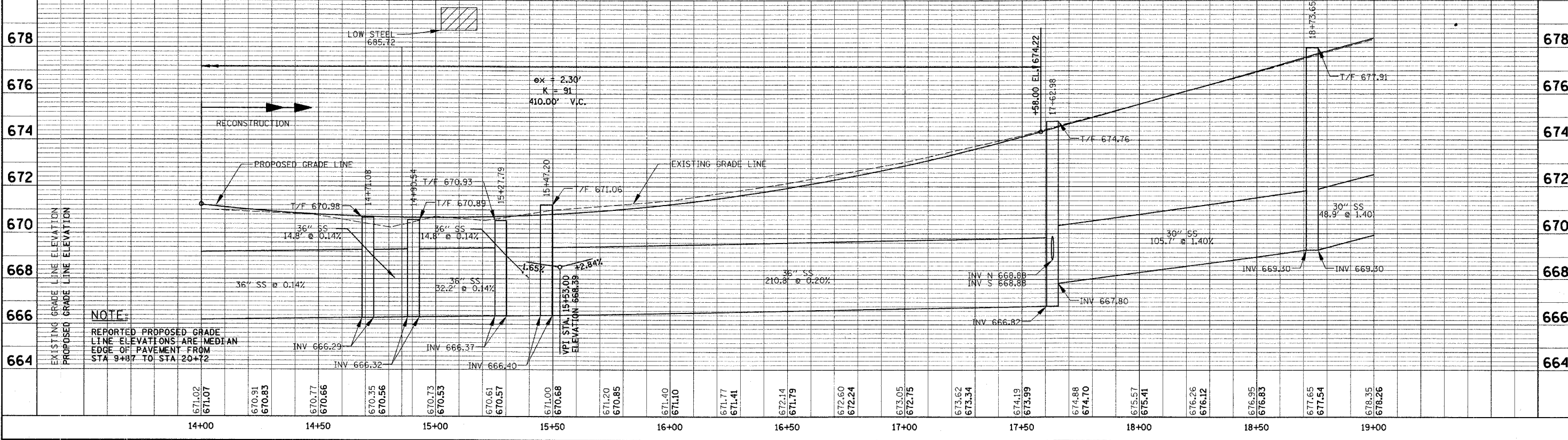
PROP. CURVE 3  
 PI STA. = 18+17.30  
 $\Delta = 2^\circ 20' 00''$  (RT)  
 $D = 0^\circ 41' 46''$   
 $R = 8,232.00'$   
 $L = 167.65'$   
 $T = 335.25'$   
 $E = 1.71'$   
 P.C. STA. = 16+49.66  
 P.T. STA. = 19+84.90  
 SE = N.C.



NOTE:  
 VERTICAL CLEARANCE SIGNS  
 TO BE INSTALLED BY LCDOT



NOTE: ALL STATION AND OFFSET INFORMATION BASED ON CONSTRUCTION CENTERLINE



NOTE:  
 REPORTED PROPOSED GRADE  
 LINE ELEVATIONS ARE MEDIAN  
 EDGE OF PAVEMENT FROM  
 STA 9+87 TO STA 20+72

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

DATE	
BY	
NO.	
PROFILE	
DATE	
BY	
NO.	

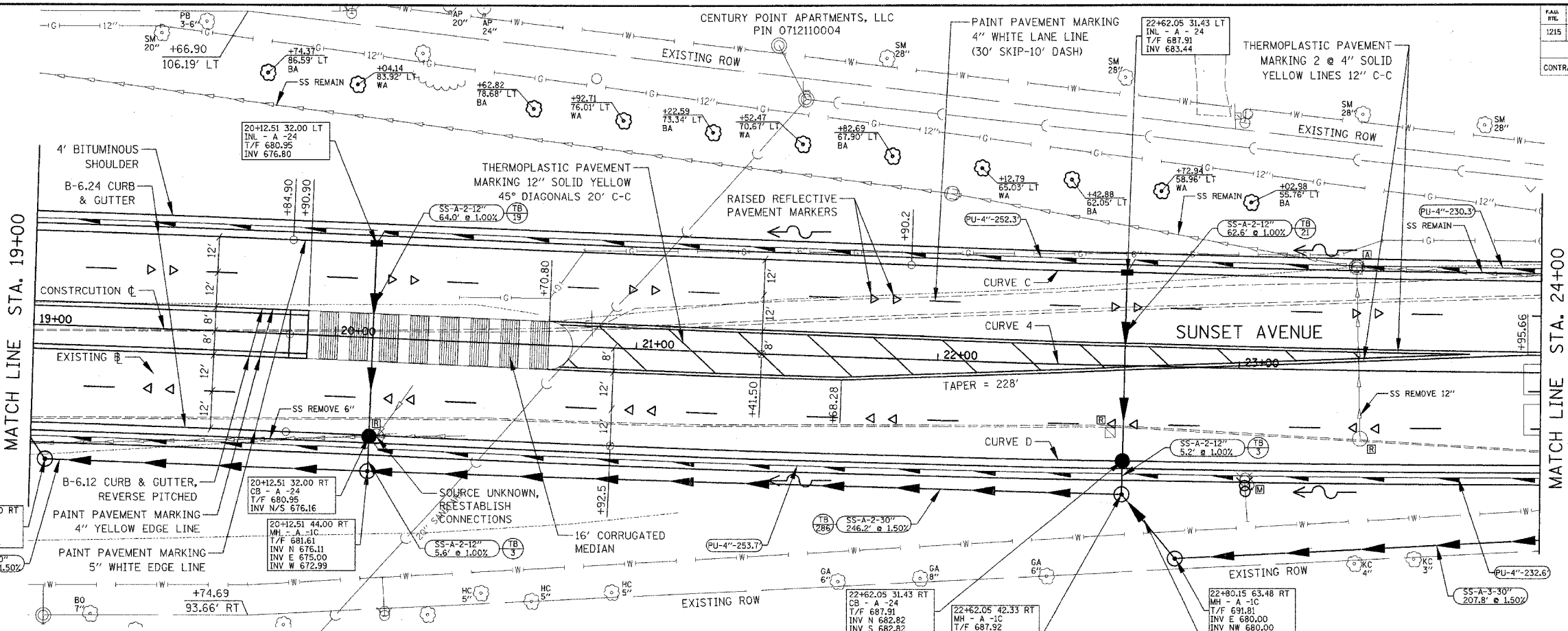
PROP. CURVE 4  
 PI STA. = 23+08.50  
 $\Delta = 2^\circ 20' 00''$  (LT)  
 $D = 0^\circ 41' 55''$   
 $R = 8,200.00'$   
 $T = 166.95'$   
 $L = 333.94'$   
 $E = 1.70'$   
 P.C. STA. = 21+41.50  
 P.T. STA. = 24+75.44  
 SE = N.C.

PROP. CURVE C  
 PI STA. = 23+57.76 29.16 LT  
 $\Delta = 2^\circ 20' 00''$  (LT)  
 $D = 0^\circ 41' 55''$   
 $R = 8,200.00'$   
 $T = 166.95'$   
 $L = 333.94'$   
 $E = 1.70'$   
 P.C. STA. = 21+90.16 31.86 LT  
 P.T. STA. = 25+25.18 30.00 LT

PROP. CURVE D  
 PI STA. = 22+59.55 32.85 RT  
 $\Delta = 2^\circ 20' 00''$  (LT)  
 $D = 0^\circ 41' 48''$   
 $R = 8,224.00'$   
 $T = 167.48'$   
 $L = 334.92'$   
 $E = 1.71'$   
 P.C. STA. = 20+92.54 30.00 RT  
 P.T. STA. = 24+26.38 30.15 RT

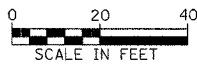
DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	

DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	

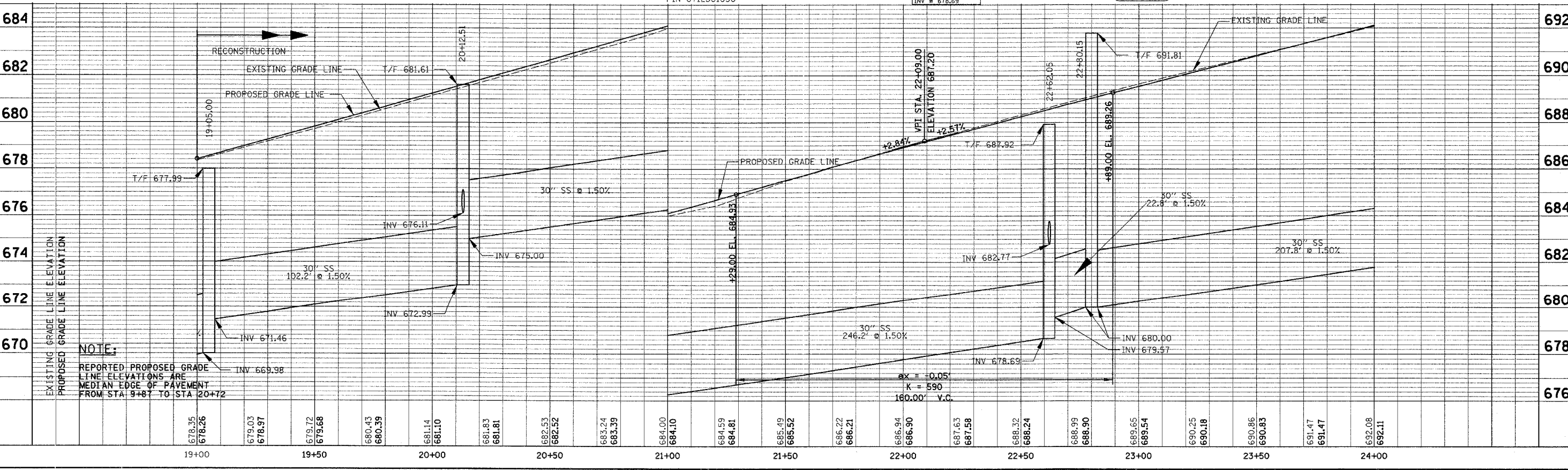


PLAN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	33
PLAN & PROFILE STA. 19+00 TO STA. 24+00				
CONTRACT NO. 83847				
SUNSET AVENUE				

PROPOSED TREES:  
 BA = BLUE ASH  
 RO = RED OAK  
 SWO = SWAMP WHITE OAK  
 WA = WHITE ASH  
 SEE SCHEDULE 5 & TREE LEGEND ON SHEET 12 FOR MORE INFORMATION



NOTE: ALL STATION AND OFFSET INFORMATION BASED ON CONSTRUCTION CENTERLINE

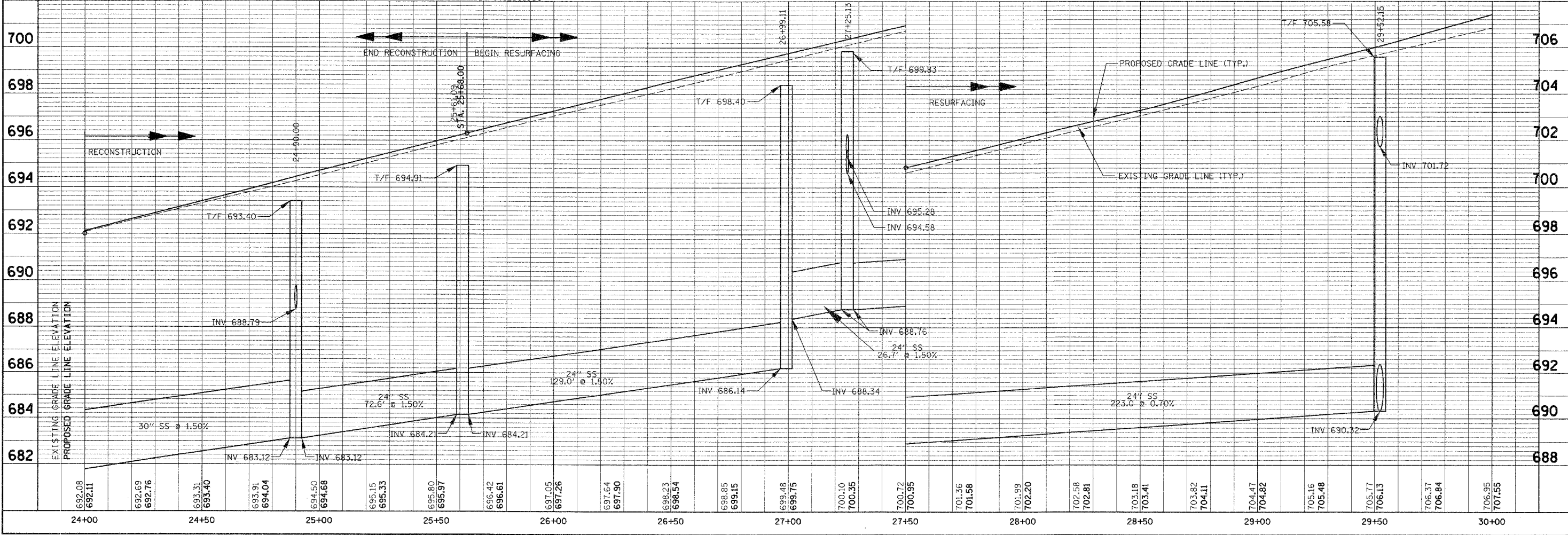
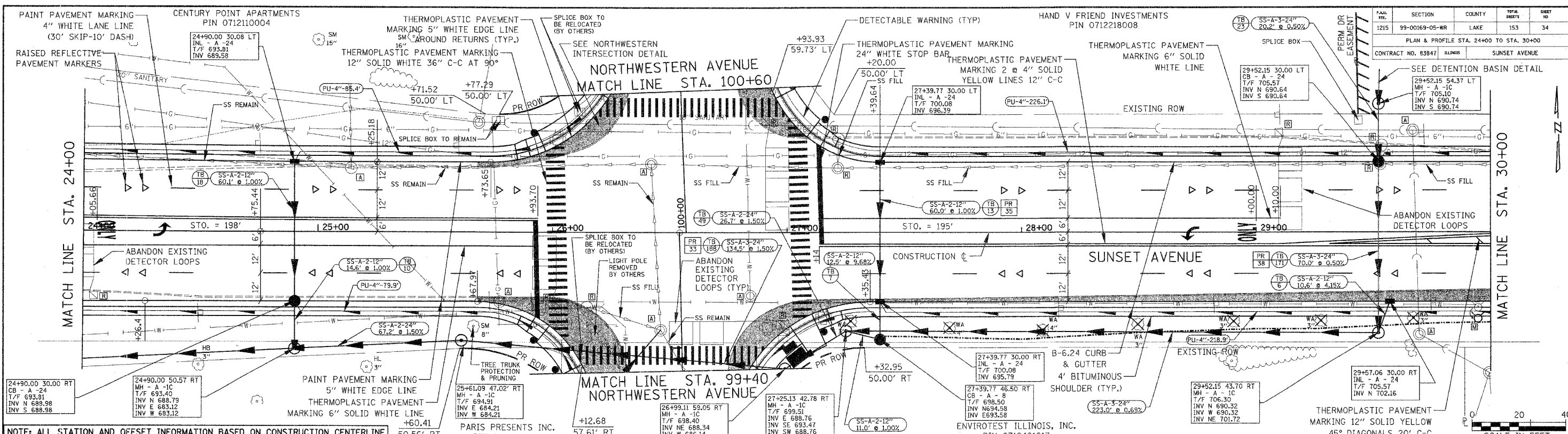


NOTE:  
 REPORTED PROPOSED GRADE LINE ELEVATIONS ARE MEDIAN EDGE OF PAVEMENT FROM STA 19+87 TO STA 20+72

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
99-00169-05-WR	LAKE	153	34

PLAN & PROFILE STA. 24+00 TO STA. 30+00  
 CONTRACT NO. 83847 ALIGNMENT SUNSET AVENUE

SEE DETENTION BASIN DETAIL  
 29+52.15 54.37 LT  
 MH - A - 1C  
 T/F 705.10  
 INV N 690.74  
 INV S 690.74



DATE	BY	NO.

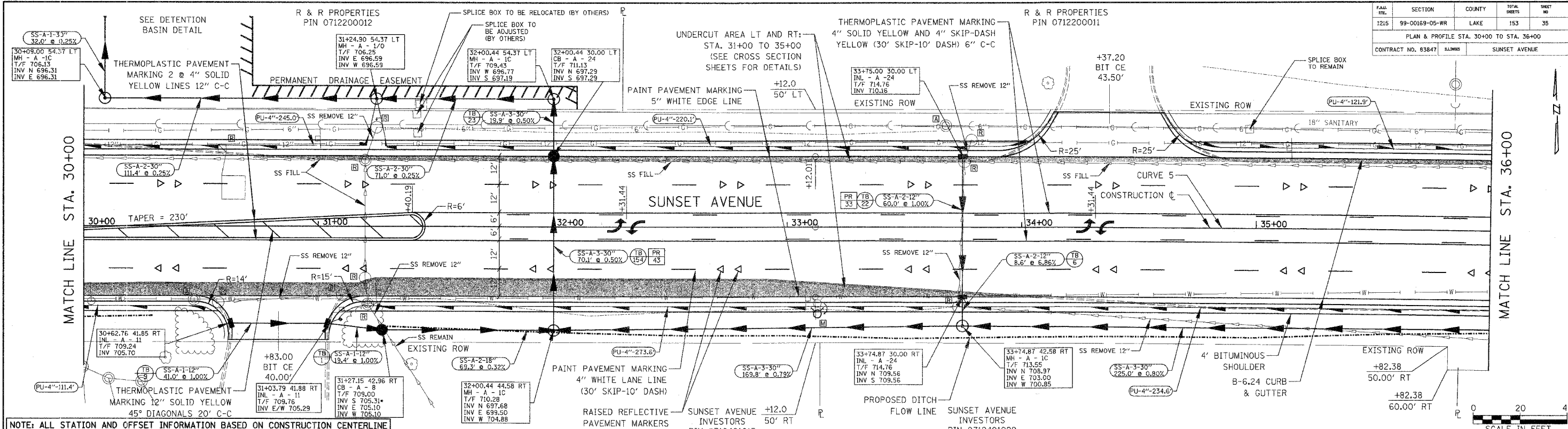
PLAN  
 SURVEYED  
 ALIGNED  
 CHECKED  
 RT. OF WAY CHECKED  
 NOTE BOOK NO.

DATE	BY	NO.

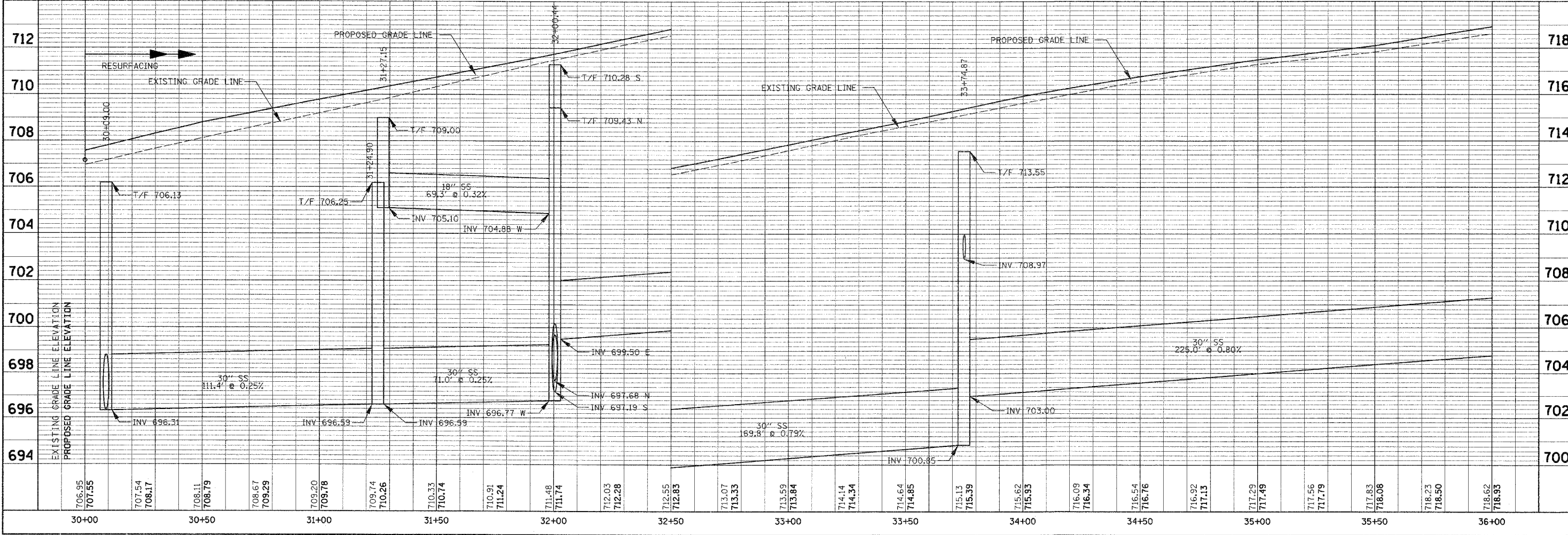
PROFILE  
 SURVEYED  
 GRADES CHECKED  
 B. WAS NOTED  
 STRUCTURE NOTATIONS CHECKED  
 NOTE BOOK NO.



FAM. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	35
PLAN & PROFILE STA. 30+00 TO STA. 36+00				
CONTRACT NO. 03847				
SUNSET AVENUE				



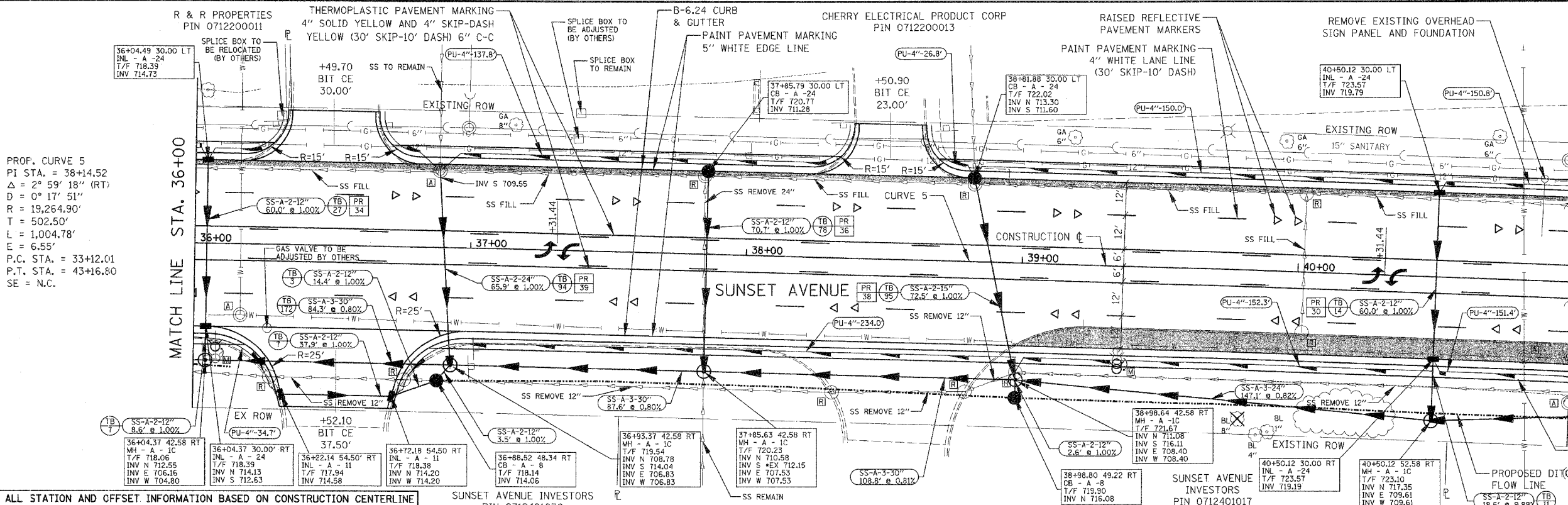
NOTE: ALL STATION AND OFFSET INFORMATION BASED ON CONSTRUCTION CENTERLINE



PLAN	DATE

PROFILE	DATE

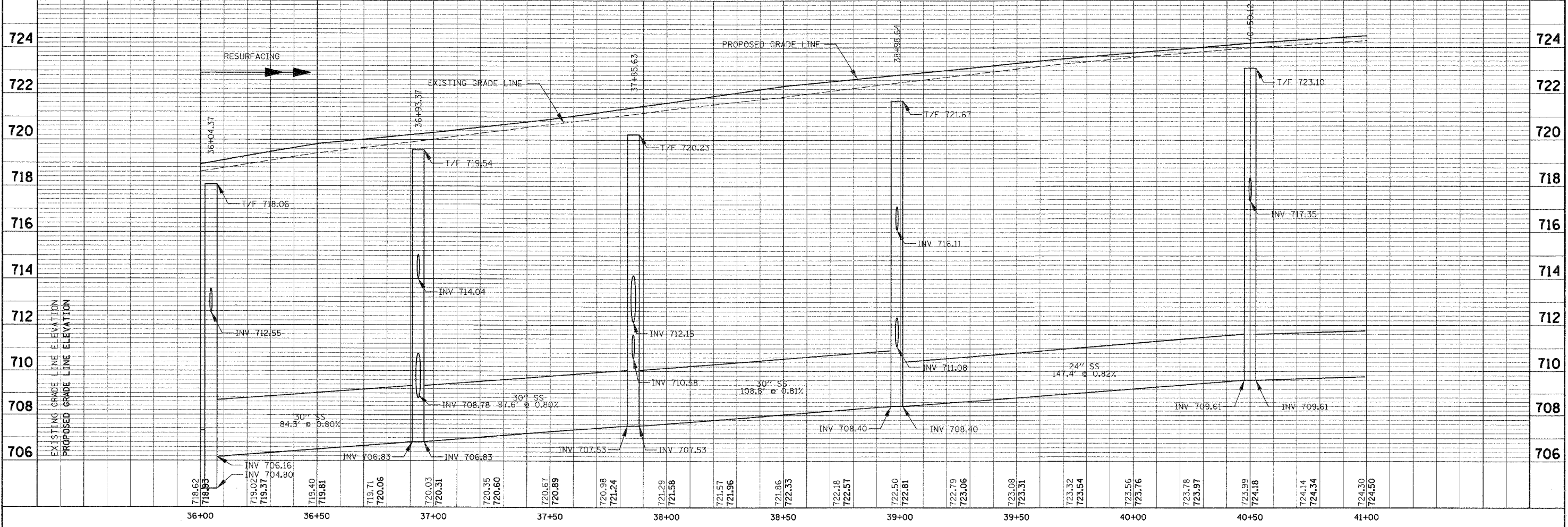
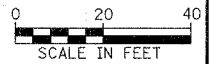
FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	36
PLAN & PROFILE STA. 36+00 TO STA. 41+00				
CONTRACT NO. 83847 ILLINOIS SUNSET AVENUE				



PROP. CURVE 5  
 PI STA. = 38+14.52  
 $\Delta = 2^\circ 59' 18''$  (RT)  
 $D = 0^\circ 17' 51''$   
 $R = 19,264.90'$   
 $T = 502.50'$   
 $L = 1,004.78'$   
 $E = 6.55'$   
 P.C. STA. = 33+12.01  
 P.T. STA. = 43+16.80  
 SE = N.C.

DATE	
BY	
PLAN	
DATE	
BY	
PROFILE	
DATE	
BY	

NOTE: ALL STATION AND OFFSET INFORMATION BASED ON CONSTRUCTION CENTERLINE





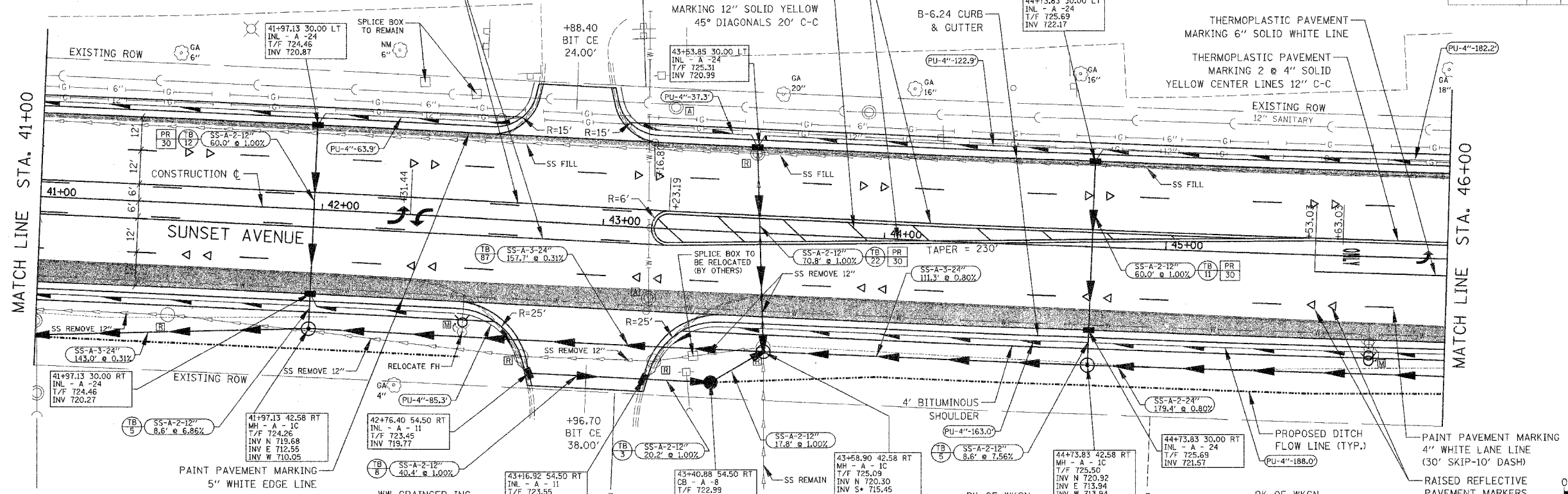
CHERRY ELECTRICAL PRODUCT CORP  
PIN 0712200013

THERMOPLASTIC PAVEMENT MARKING  
4" SOLID YELLOW AND 4" SKIP-DASH  
YELLOW (30' SKIP-10' DASH) 6" C-C

THERMOPLASTIC PAVEMENT  
MARKING 2 @ 4" SOLID  
YELLOW LINES 12" C-C

CHERRY ELECTRICAL PRODUCT CORP  
PIN 0712217006

F.A.C. FILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	37
PLAN & PROFILE STA. 41+00 TO STA. 46+00				
CONTRACT NO. 83847 ALBION SUNSET AVENUE				

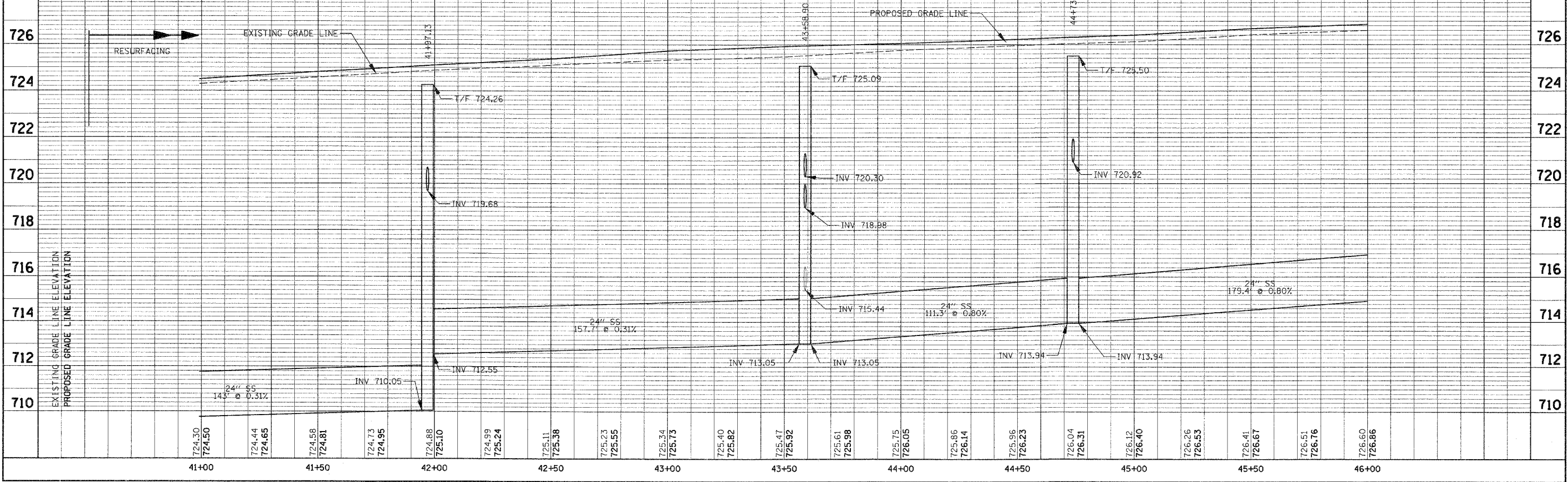
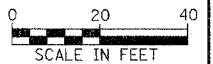


NOTE: ALL STATION AND OFFSET INFORMATION BASED ON CONSTRUCTION CENTERLINE

WW GRAINGER INC  
PIN 0712401035

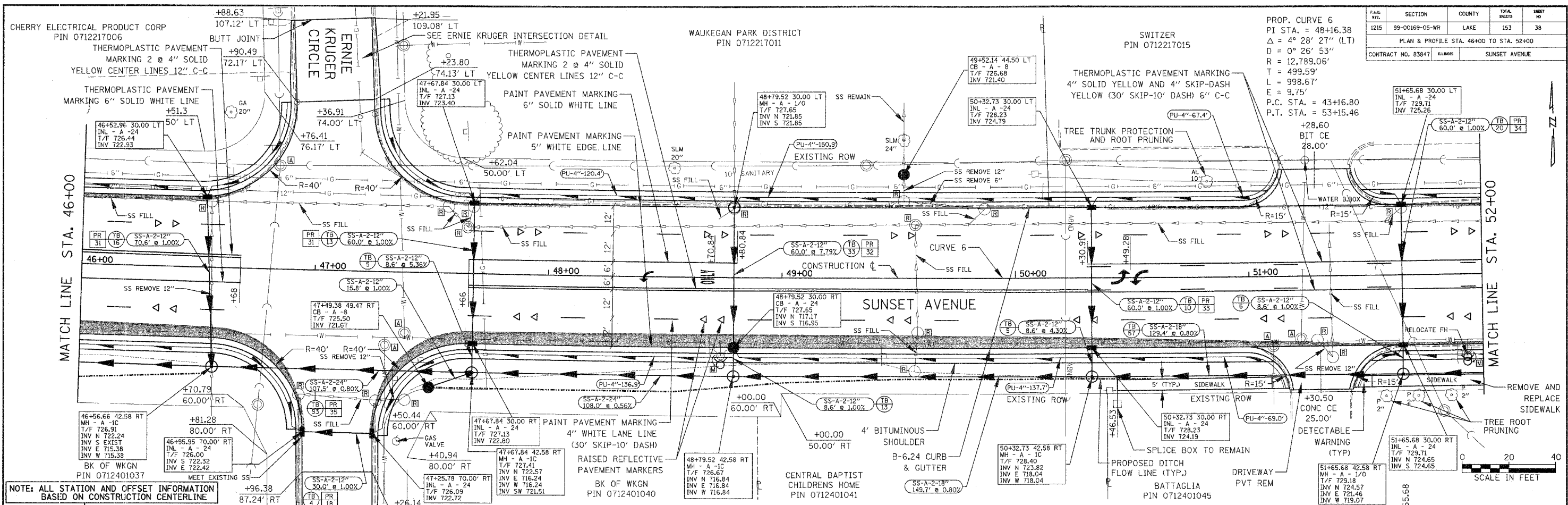
BK OF WKGN  
PIN 0712401036

BK OF WKGN  
PIN 0712401037



DATE	BY	REVISION

DATE	BY	REVISION



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR LAKE	153	38

PLAN & PROFILE STA. 46+00 TO STA. 52+00  
 CONTRACT NO. 83847  
 SUNSET AVENUE

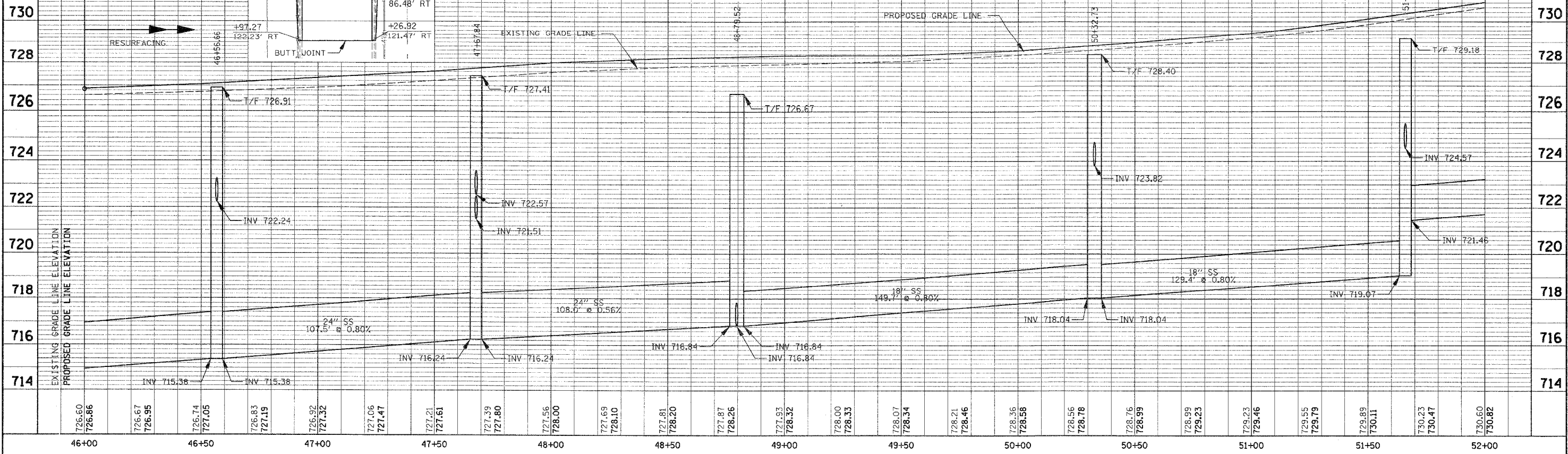
PROP. CURVE 6  
 PI STA. = 48+16.38  
 $\Delta = 4^\circ 28' 27''$  (LT)  
 $D = 0^\circ 26' 53''$   
 $R = 12,789.06'$   
 $T = 499.59'$   
 $L = 998.67'$   
 $E = 9.75'$   
 P.C. STA. = 43+16.80  
 P.T. STA. = 53+15.46

DATE	BY	REVISION

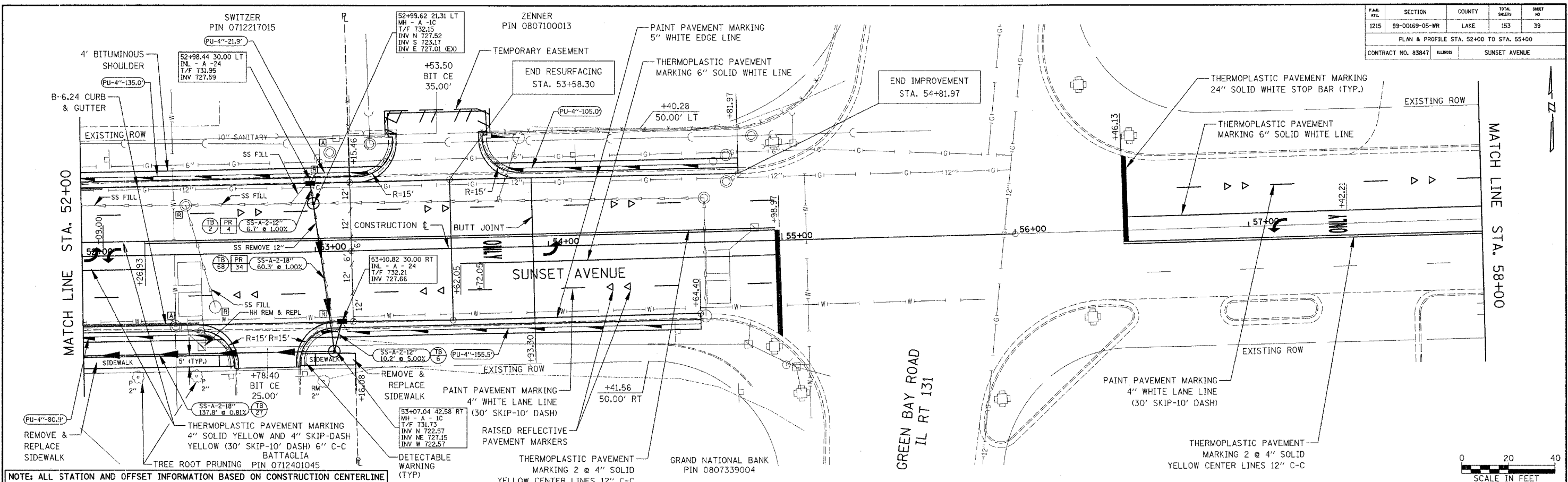
PLAN  
 SURVEYED: \_\_\_\_\_  
 GRADES CHECKED: \_\_\_\_\_  
 S.M.S. NOTES: \_\_\_\_\_  
 STRUCTURE NOTATIONS CHECKED: \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_  
 RT. OF WAY CHECKED: \_\_\_\_\_

DATE	BY	REVISION

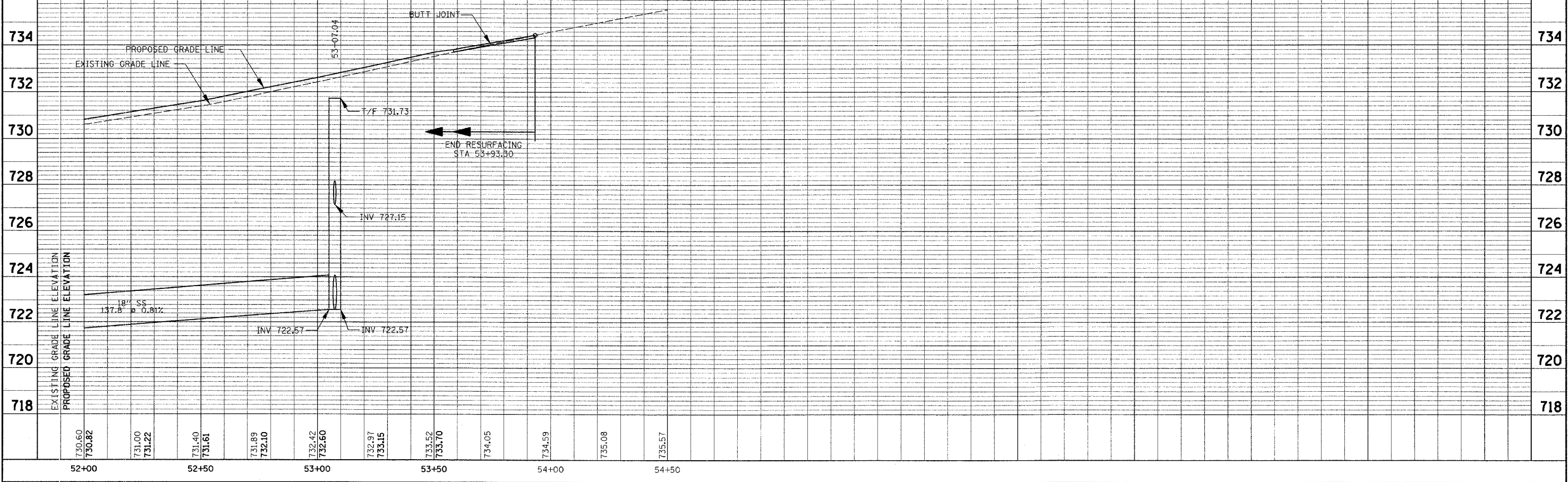
PROFILE  
 SURVEYED: \_\_\_\_\_  
 GRADES CHECKED: \_\_\_\_\_  
 S.M.S. NOTES: \_\_\_\_\_  
 STRUCTURE NOTATIONS CHECKED: \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_



FAM. ATE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	39
PLAN & PROFILE STA. 52+00 TO STA. 55+00				
CONTRACT NO. 83847			SUNSET AVENUE	



NOTE: ALL STATION AND OFFSET INFORMATION BASED ON CONSTRUCTION CENTERLINE



DATE	BY	REVISION

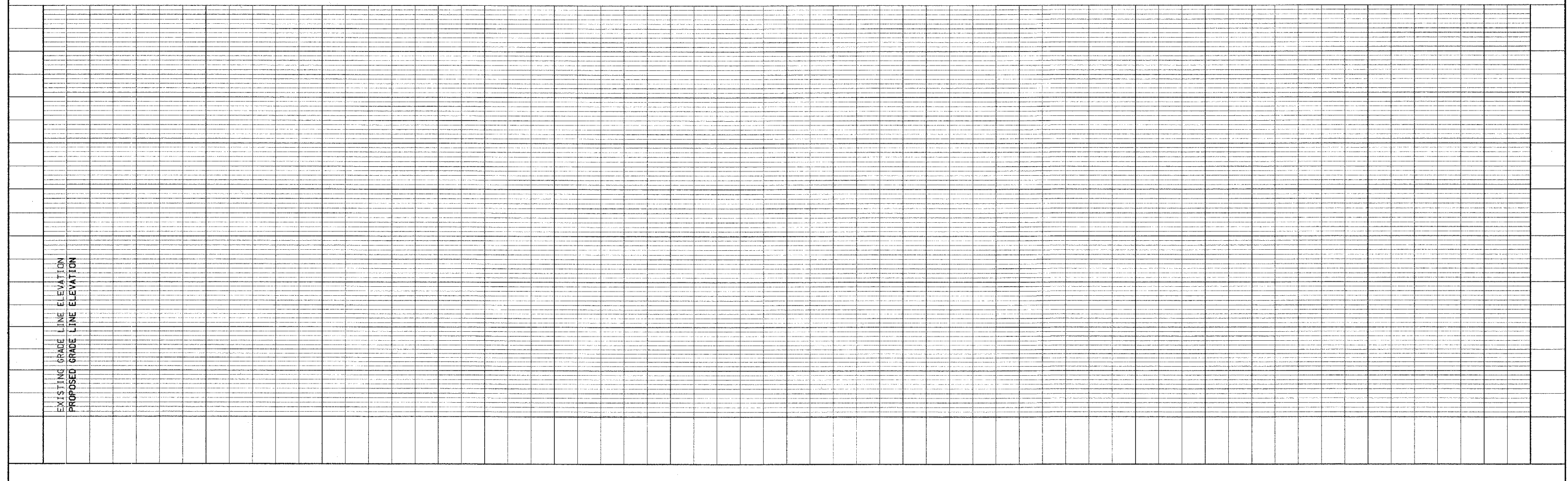
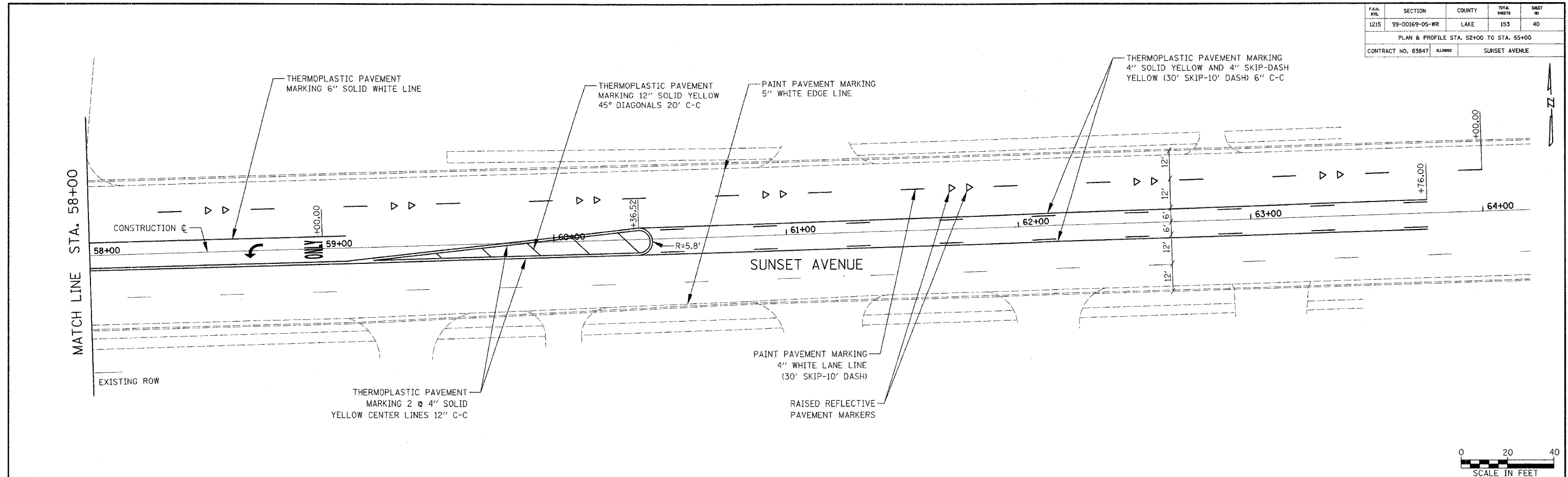
DATE	BY	REVISION



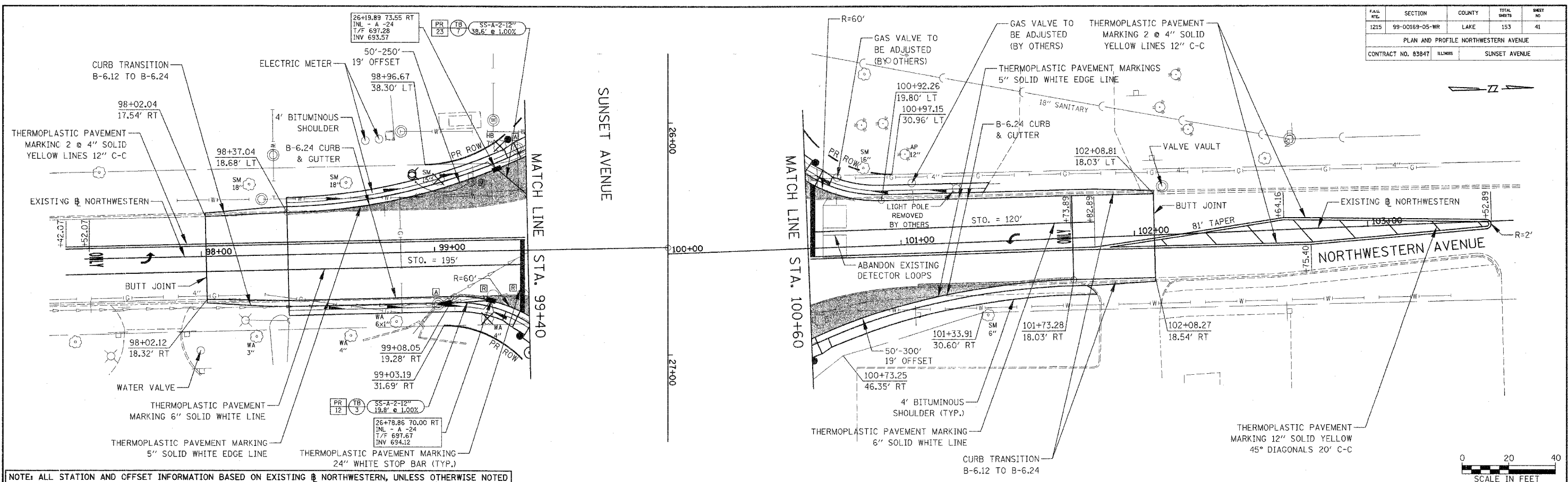
F.A.M. No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	40
PLAN & PROFILE STA. 52+00 TO STA. 55+00				
CONTRACT NO. 83847		ILLINOIS	SUNSET AVENUE	

PLAN	DATE	
	BY	
NOTE BOOK NO.	SHRATED	
	CHANGES CHECKED	
NOTE BOOK NO.	ALIGNMENT CHECKED	
	RT. OF WAY CHECKED	

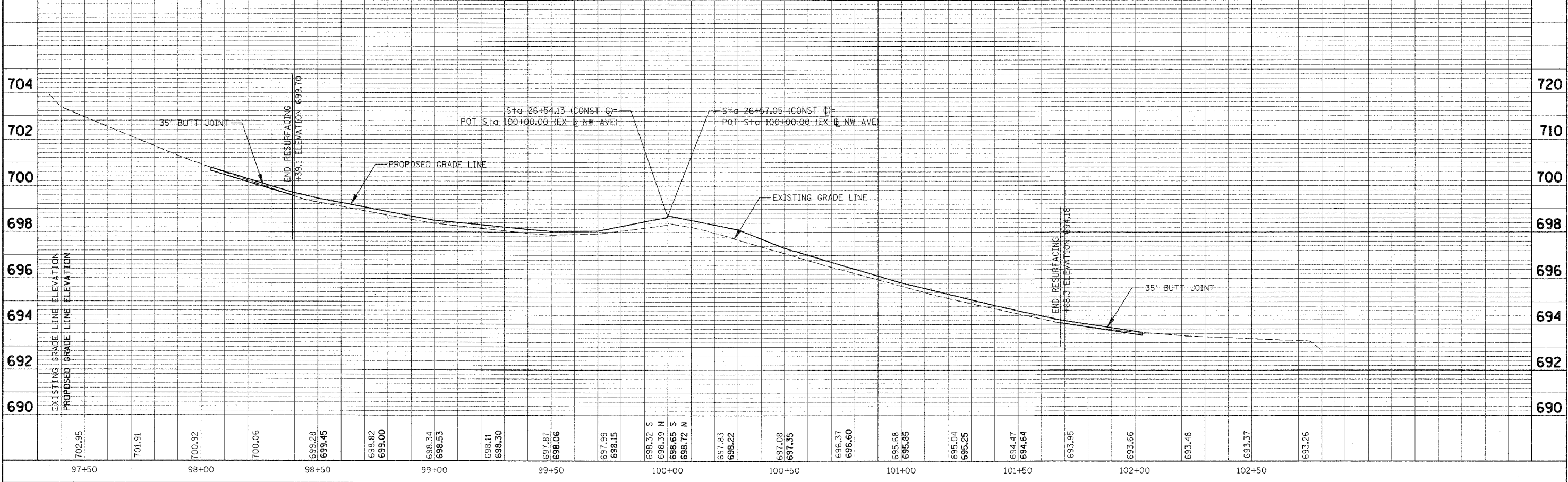
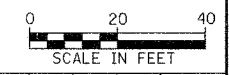
PROFILE	DATE	
	BY	
NOTE BOOK NO.	SHRATED	
	CHANGES CHECKED	
NOTE BOOK NO.	B.M.'S NOTED	
	STRUCTURE NOTATIONS CHECKED	



FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	41
PLAN AND PROFILE NORTHWESTERN AVENUE				
CONTRACT NO. 83947 ILLINOIS SUNSET AVENUE				



NOTE: ALL STATION AND OFFSET INFORMATION BASED ON EXISTING NORTHWESTERN, UNLESS OTHERWISE NOTED



DATE	BY	REVISION

DATE	BY	REVISION

FALL #TC	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1215	99-00169-05-WR	LAKE	153	42
MAINTENANCE OF TRAFFIC				
CONTRACT NO. 83847		ALINDS	SUNSET AVENUE	

### MAINTENANCE OF TRAFFIC GENERAL NOTES

1. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ONE THROUGH TRAFFIC LANE IN EACH DIRECTION ON SUNSET AVENUE.
2. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN LEFT TURN LANES FOR SUNSET AVENUE, NORTHWESTERN AVENUE, ERNIE KRUEGER CIRCLE, AND GREEN BAY ROAD, UNLESS OTHERWISE SHOWN ON PLANS.
3. THE CONTRACTOR SHALL PROVIDE ALL SIGNS, VERTICAL PANELS, TYPE III BARRICADES, OR LATEST TYPE II PLASTIC BARRICADES AND PROTECTION NECESSARY FOR THE MAINTENANCE OF TRAFFIC, OR AS DIRECTED BY THE ENGINEER.
4. THE CONTRACTOR SHALL INSTALL AND MAINTAIN PROPOSED AND TEMPORARY DRAINAGE SYSTEMS, AND EROSION CONTROL THROUGHOUT STAGE CONSTRUCTION FOR THE DURATION OF THE PROJECT.
5. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ACCESS TO ALL PUBLIC AND PRIVATE ENTRANCES.
6. THE CONTRACTOR SHALL COORDINATE HIS/HER WORK WITH THE CONTRACTORS ON THE ADJACENT CONTRACT TO THE WEST OF THE PROJECT.
7. THE CONTRACTOR SHALL COORDINATE ALL TRAFFIC CLOSURES WITH THE LOCAL POLICE DEPARTMENT.
8. THE CONTRACTOR SHALL MAINTAIN EXISTING, TEMPORARY, AND PROPOSED LIGHTING FOR THE DURATION OF THE PROJECT.
9. THE CONTRACTOR SHALL USE TEMPORARY PAINT PAVEMENT MARKING ON SURFACES TO BE REMOVED AND IN AREAS THAT DO NOT CONFLICT WITH OTHER STAGES.
- 9A. 5 INCH SOLID WHITE PAVEMENT MARKING LINES SHALL BE USED TO DEFINE THE EDGE LINE WHERE CURB AND GUTTER DOES NOT EXIST.
- 9B. 4 INCH SOLID DOUBLE YELLOW PAVEMENT MARKING LINES SHALL BE USED TO SEPARATE OPPOSING TRAFFIC LANES.
- 9C. ALL DOUBLE YELLOW CENTERLINE MARKING LINES SHALL BE SPACED AT 12 INCHES CENTER TO CENTER.
- 9D. 6 INCH SOLID WHITE PAVEMENT MARKING LINES SHALL BE USED TO DEFINE TURN LANES.
- 9E. ALL 12 INCH DIAGONAL LINES SHALL BE SPACED AT 20 FEET CENTER TO CENTER.
- 9F. 24 INCH SOLID WHITE PAVEMENT MARKING LINES SHALL TO BE USED FOR STOP BARS.
10. THE CONTRACTOR SHALL USE SHORT TERM PAVEMENT MARKING ON PERMANENT SURFACES EXCEPT THAT PAVEMENT MARKING TAPE, TYPE II, SHALL BE USED ON THE FINAL SURFACE COURSE.
11. ALL TYPE II BARRICADES, AND VERTICAL PANELS SHALL BE EQUIPPED WITH MONO-DIRECTIONAL STEADY BURNING LIGHTS.
12. ALL TYPE II BARRICADES SHALL BE SPACED AT 50 FEET CENTER TO CENTER THROUGHOUT THE WORK ZONE, EXCEPT IN TAPER AREAS WHERE THEY SHALL BE SPACED 25 FEET CENTER TO CENTER, AND ALONG CORNER RADII WHERE THEY SHALL BE SPACED AT 12 FEET CENTER TO CENTER.
13. ALL TYPE II BARRICADES SHALL BE PLASTIC FOR BETTER REFLECTIVITY AT NIGHT.
14. ALL VERTICAL PANELS SHALL BE SPACED AT 50 FEET CENTER TO CENTER.
15. ALL CONSTRUCTION WARNING SIGNS SHALL BE BLACK LEGEND ON ORANGE BACKGROUND.
16. ALL CONSTRUCTION WARNING SIGN DIMENSIONS SHALL BE 48" X 48".
17. ALL "ROAD WORK AHEAD" WARNING SIGNS (W20-1) SHALL BE EQUIPPED WITH HIGH INTENSITY FLASHING LIGHTS.
18. THE CONTRACTOR SHALL INSTALL AND COVER ALL TEMPORARY SIGNING BEFORE EXISTING SIGNS ARE REMOVED.
19. THE CONTRACTOR SHALL INSTALL AND COVER ALL PERMANENT SIGNING BEFORE TEMPORARY SIGNS ARE REMOVED.
20. TEMPORARY PAVEMENT SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQ. YD. FOR "TEMPORARY PAVEMENT". THE UNIT PRICE SHALL INCLUDE PLACEMENT.
21. EXISTING TRAFFIC SIGNS IN CONFLICT WITH STAGING SHALL BE REMOVED, RELOCATED OR COVERED AS DIRECTED BY THE ENGINEER. ALL EXISTING TRAFFIC SIGNS WHICH ARE REMOVED SHALL BE STORED AS DIRECTED BY THE ENGINEER.
22. THE CONTRACTOR SHOULD NOT CLOSE TWO CONSECUTIVE STREETS AT THE SAME TIME AND SHOULD ALTERNATE THE CLOSURE DURING STAGING OR AS DIRECTED BY THE ENGINEER.
23. THE CONTRACTOR MAY ALTER STAGING IN SURFACING AREAS ON SUNSET AVENUE EAST OF NORTHWESTERN AVENUE IF CONSTRUCTION ACTIVITY DOES NOT EXCEED ONE (1) DAY. IDOT STANDARDS NUMBERS 701306, 701336, 701501, 701602, 701606, AND 701701 SHALL APPLY.

PLAN	DATE	
	BY	
REVISIONS CHECKED ALIGNED CHECKED RT. OF WAY CHECKED		
NOTE BOOK No.		

PROFILE	DATE	
	BY	
REVISIONS CHECKED NOTED S. M.S. NOTED SURVEILOR NOTATIONS CHECKED		
NOTE BOOK No.		

REVISIONS	
NAME	DATE



SUNSET AVENUE  
TRAFFIC CONTROL  
GENERAL NOTES

FALL ITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	43
MAINTENANCE OF TRAFFIC				
CONTRACT NO. 83847		ILLINOIS	SUNSET AVENUE	

## MAINTENANCE OF TRAFFIC SUGGESTED CONSTRUCTION SEQUENCE

### STAGE 1

- STORM WATER MANAGEMENT FACILITIES MUST BE COMPLETED PRIOR TO DECOMMISSIONING OF THE EXISTING DRAINAGE SYSTEM
- TRAFFIC CONTROL ON SUNSET AVENUE DURING STAGE 1 PAVEMENT WIDENING AND PLACEMENT OF TEMPORARY PAVEMENT OPERATIONS SHALL BE IN ACCORDANCE WITH IDOT STANDARDS 701326, 701602, AND 701701.
- CONSTRUCTION OF TEMPORARY PAVEMENT ON THE SOUTH SIDE OF SUNSET AVENUE, FROM STATION 19+92 TO 24+52 AS SHOWN ON THE PLANS, SHALL BE IN ACCORDANCE WITH IDOT STANDARDS 701701 AND 701326.
- CONSTRUCTION OF B-6.24 CURB AND GUTTER ON THE SOUTH SIDE OF SUNSET AVENUE BETWEEN NORTHWESTERN AVENUE AND GREEN BAY ROAD AS SHOWN ON THE PLANS.
- CONSTRUCTION OF PERMANENT PAVEMENT WIDENING ON THE SOUTH SIDE OF SUNSET AVENUE BETWEEN NORTHWESTERN AVENUE AND GREEN BAY ROAD AS SHOWN ON THE PLANS.
- INSTALL DRAINAGE STRUCTURES IN PAVEMENT WIDENING AREAS AS SHOWN ON THE PLANS.
- INSTALL MAIN LINE STORM SEWER FROM WEST END OF PROJECT TO GREEN BAY ROAD AS SHOWN ON THE PLANS.
- BEGIN CONSTRUCTION OF PROPOSED WESTBOUND PAVEMENT FROM 11+00 TO 19+00 AS SHOWN ON THE PLANS.

### STAGE 2

- SHIFT SUNSET AVENUE TRAFFIC TO THE SOUTH SIDE UTILIZING THE EXISTING PAVEMENT, TEMPORARY PAVEMENT, AND PAVEMENT WIDENING AREAS BETWEEN DELANY ROAD AND GREEN BAY ROAD TO ALLOW ONE THROUGH LANE IN EACH DIRECTION AS SHOWN ON THE PLANS.
- CONSTRUCT PROPOSED WESTBOUND PAVEMENT, STORM SEWER AND ELECTRICAL BETWEEN THE WEST PROJECT LIMIT AND NORTHWESTERN AVENUE AS SHOWN ON THE PLANS.
- CONSTRUCT PERMANENT PAVEMENT WIDENING, MILLING, BITUMINOUS BINDER, B-6.24 CURB AND GUTTER, STORM SEWER AND ELECTRICAL ON NORTH SIDE OF SUNSET AVENUE BETWEEN NORTHWESTERN AVENUE AND GREEN BAY ROAD AS SHOWN ON THE PLANS.
- CONSTRUCT THE NORTHERN PORTION OF THE NORTHWESTERN AVENUE AND SUNSET AVENUE INTERSECTION THROUGH BITUMINOUS BINDER USING SUB-STAGE CONSTRUCTION OPERATIONS SHOWN ON THE PLANS.

### STAGE 3

- SHIFT SUNSET AVENUE TRAFFIC TO THE NORTH SIDE UTILIZING PROPOSED STAGE 2 PAVEMENT AREAS BETWEEN DELANY ROAD AND GREEN BAY ROAD TO ALLOW ONE THROUGH LANE IN EACH DIRECTION AS SHOWN ON THE PLANS.
- CONSTRUCT PROPOSED EASTBOUND PAVEMENT, STORM SEWER AND ELECTRICAL BETWEEN THE WEST PROJECT LIMIT AND NORTHWESTERN AVENUE AS SHOWN ON THE PLANS.
- CONSTRUCT MILLING, BITUMINOUS BINDER, STORM SEWER AND ELECTRICAL ON THE SOUTH SIDE OF SUNSET AVENUE BETWEEN NORTHWESTERN AVENUE AND GREEN BAY ROAD AS SHOWN ON THE PLANS.
- CONSTRUCT THE SOUTHERN PORTION OF THE NORTHWESTERN AVENUE AND SUNSET AVENUE INTERSECTION THROUGH BITUMINOUS BINDER USING SUB-STAGE CONSTRUCTION OPERATIONS SHOWN ON THE PLANS.

### STAGE 4

- SHIFT TRAFFIC TO THE OUTSIDE LANES ON THE EASTBOUND AND WESTBOUND PROPOSED PAVEMENT BETWEEN WEST PROJECT LIMIT AND NORTHWESTERN AVENUE TO ALLOW ONE THROUGH LANE IN EACH DIRECTION AS SHOWN ON THE PLANS.
- CONSTRUCT THE MEDIAN BETWEEN THE WEST PROJECT LIMITS AND NORTHWESTERN AVENUE AS SHOWN ON THE PLANS.

### STAGE 5

- CONSTRUCT FINAL PAVEMENT SURFACE BETWEEN THE WEST PROJECT LIMIT AND GREEN BAY ROAD.
- INSTALL PERMANENT PAVEMENT MARKING.
- COMPLETE DRAINAGE INSTALLATION.
- COMPLETE ELECTRICAL INSTALLATION.
- COMPLETE LANDSCAPING.
- COMPLETE CLEANUP OPERATIONS.
- OPEN ROAD TO TRAFFIC.

DATE	
BY	
REVISIONS CHECKED	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
PLAN	
NOTE BOOK	
No.	

DATE	
BY	
REVISIONS CHECKED	
SHAPE CHECKED	
VERTICAL CURVATURE CHECKED	
PROFILE	
NOTE BOOK	
No.	

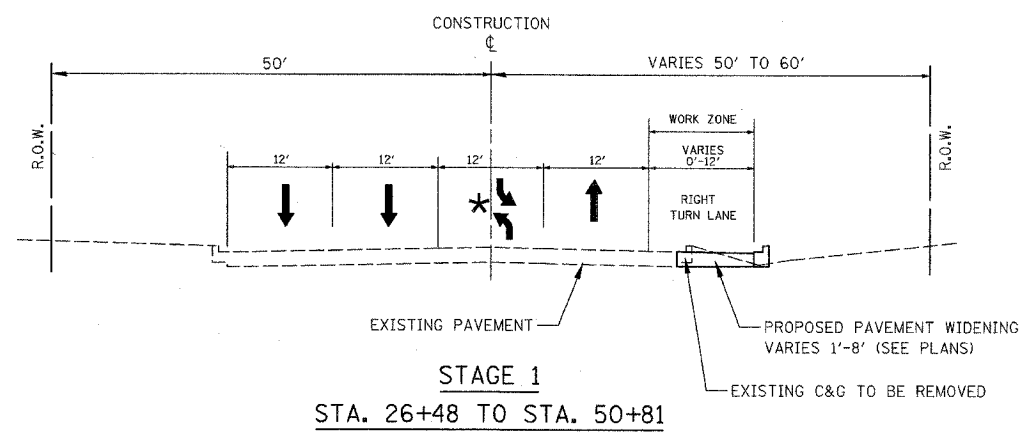
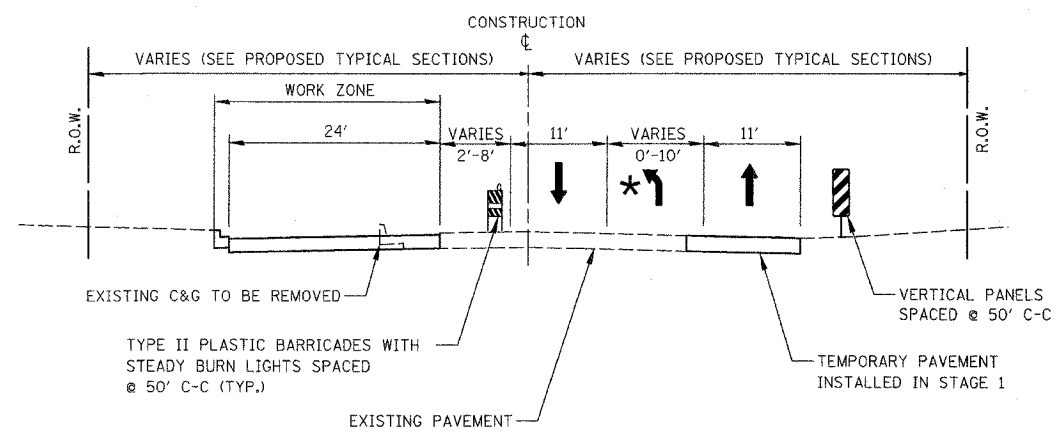
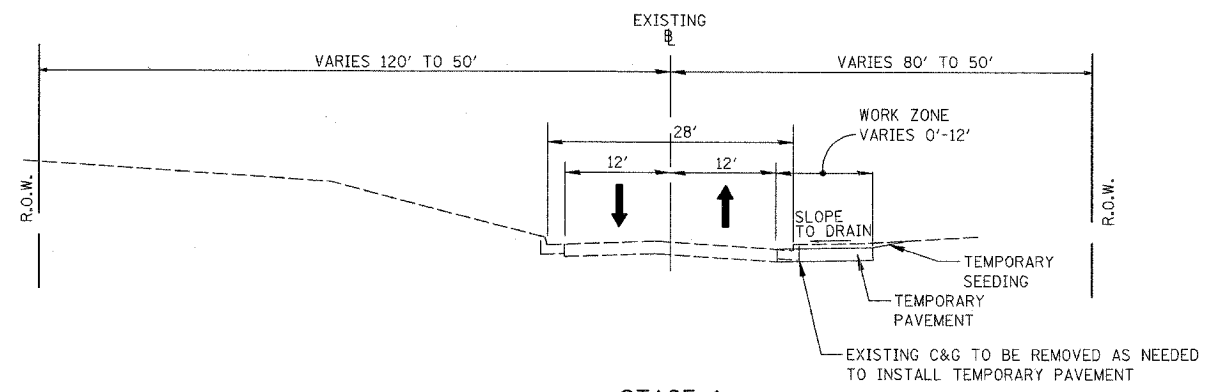
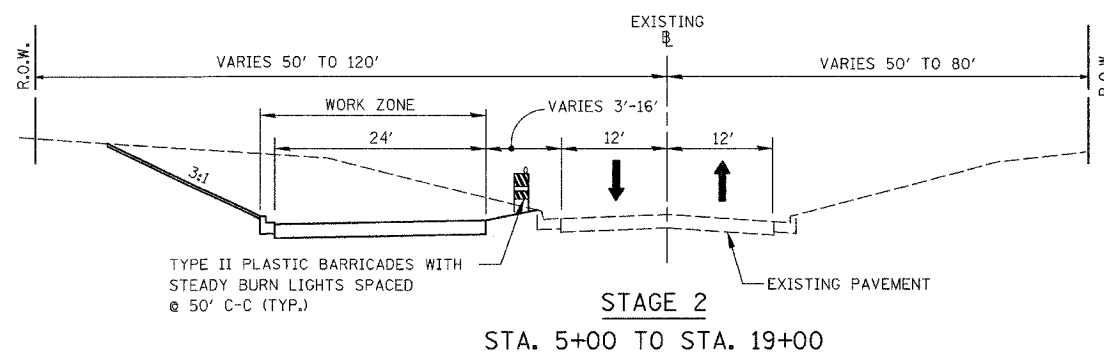
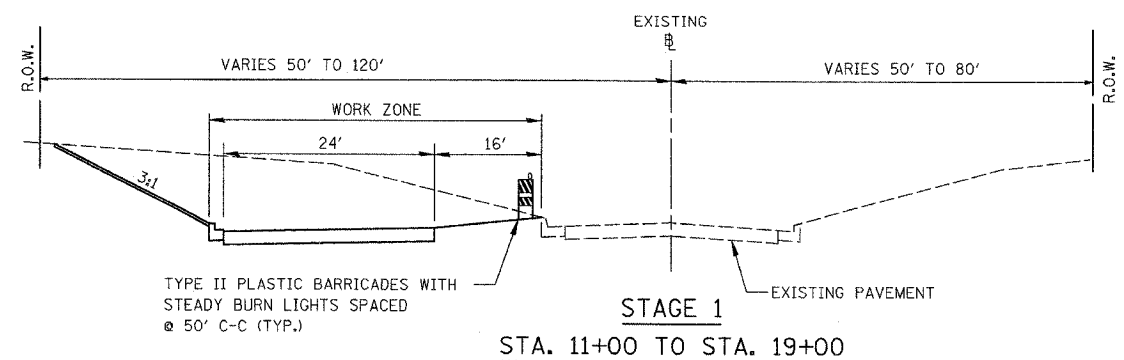
REVISIONS	
NAME	DATE



SUNSET AVENUE  
TRAFFIC CONTROL  
CONSTRUCTION SEQUENCE



FALL R/L	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1215	98-00169-05-WR	LAKE	153	44
CONTRACT NO. 83847		ILLINOIS	SUNSET AVENUE	



**STAGE 2**  
**STA. 19+00 TO STA. 30+62**


\* EASTBOUND LEFT TURN LANE  
 STA. 23+12 TO STA. 26+00

WESTBOUND LEFT TURN LANE  
 STA. 27+10 TO STA. 30+62

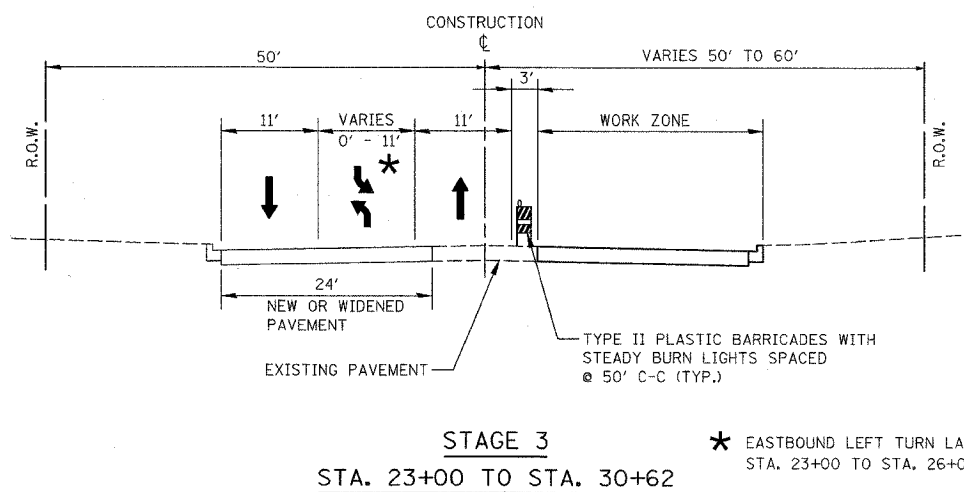
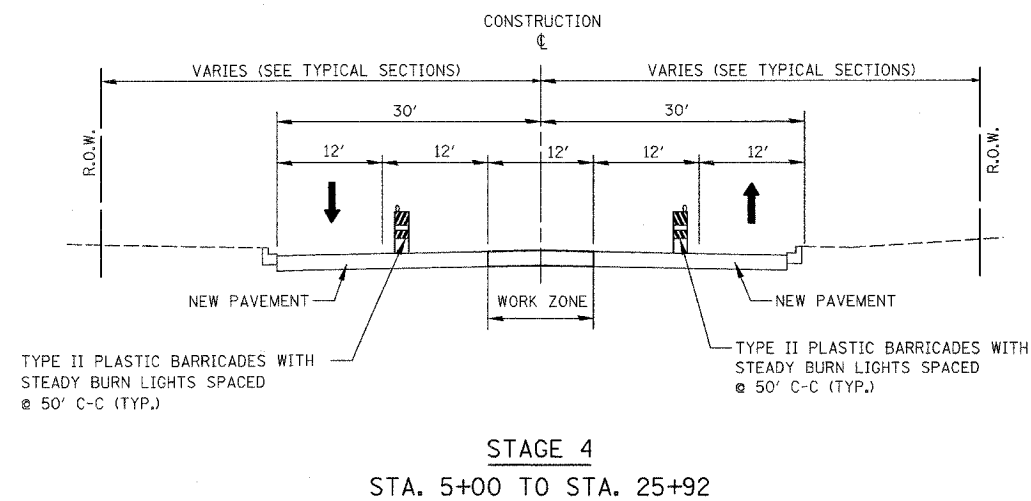
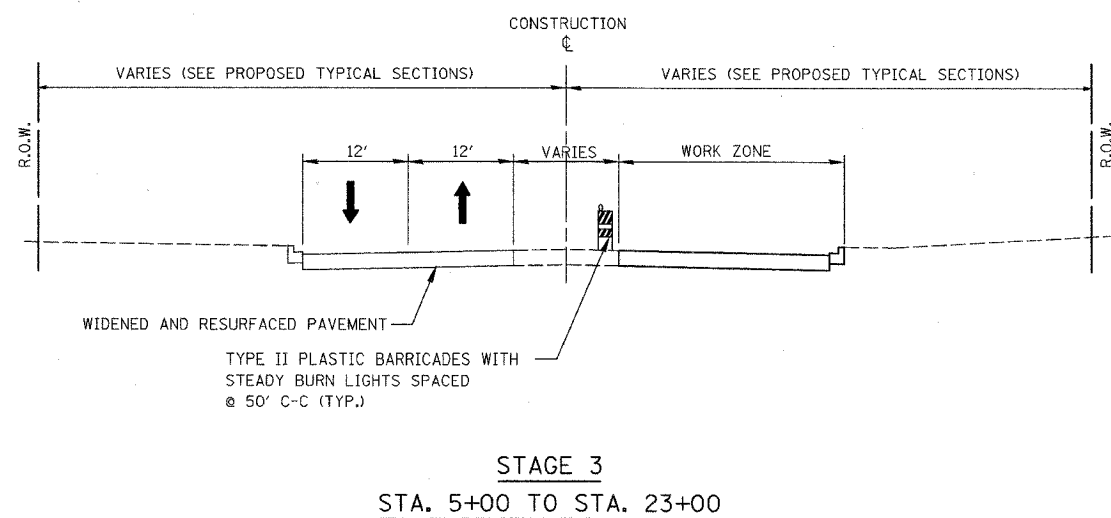
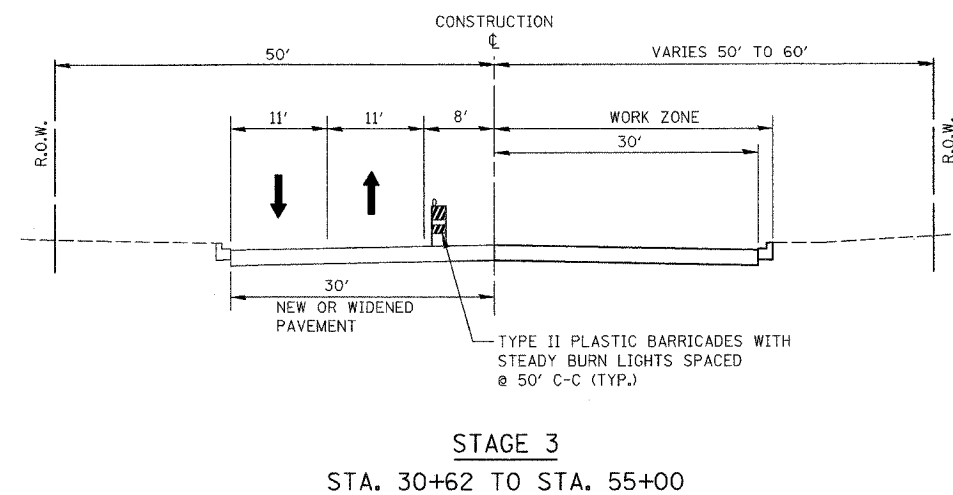
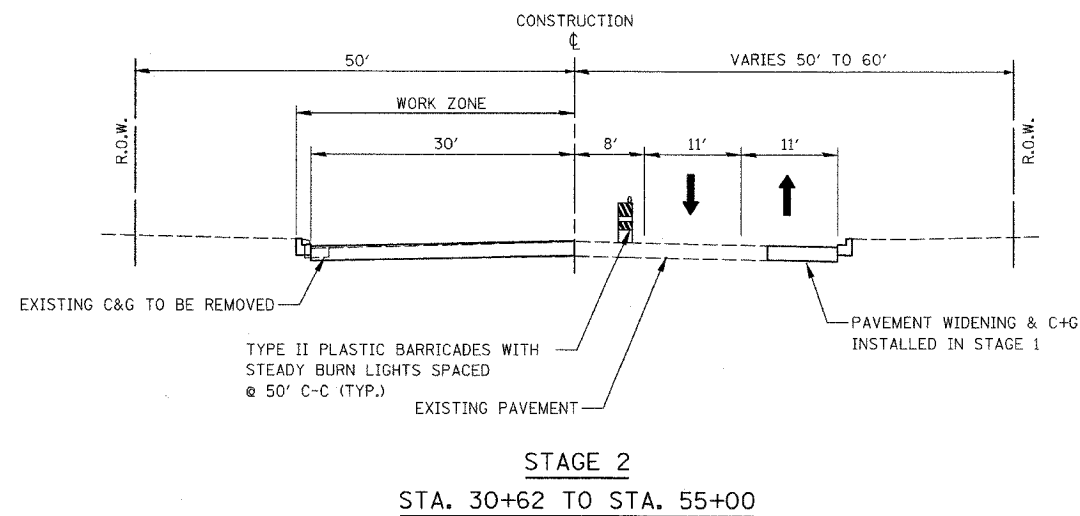
\* WESTBOUND LEFT TURN LANE  
 STA. 27+10 TO STA. 29+10

BI-DIRECTIONAL LEFT TURN LANE  
 STA. 31+18 TO STA. 50+81

REVISIONS	
NAME	DATE

  
**SUNSET AVENUE**  
**TRAFFIC CONTROL**  
**TYPICAL SECTIONS**


FALL	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1215	99-00169-05-WR	LAKE	153	45
CONTRACT NO. 83847		ILLINOIS	SUNSET AVENUE	



\* EASTBOUND LEFT TURN LANE  
STA. 23+00 TO STA. 26+00  
WESTBOUND LEFT TURN LANE  
STA. 27+10 TO STA. 30+62

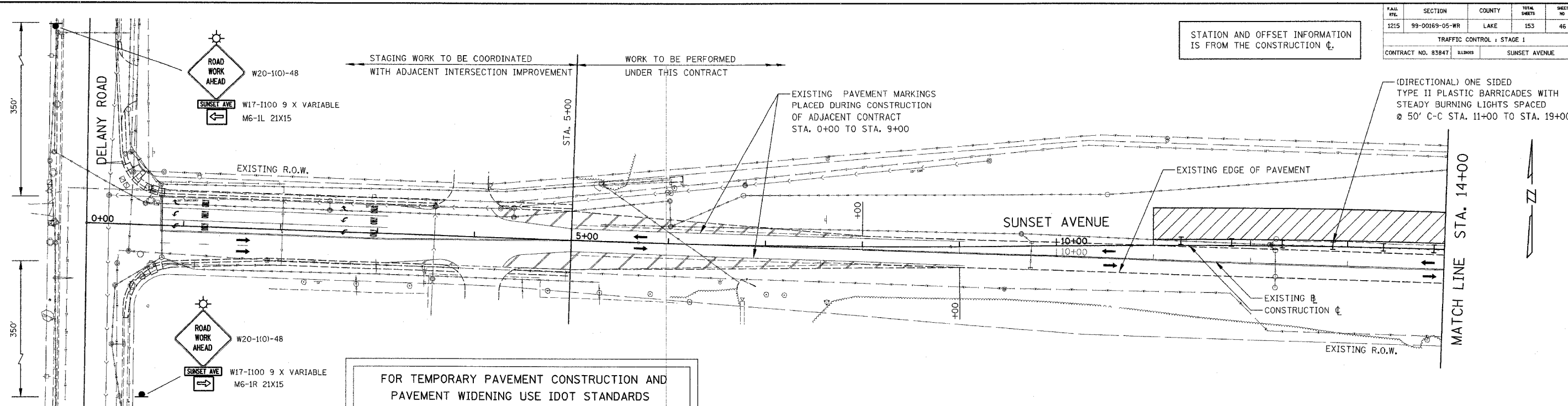
STAGE 5  
SURFACE COURSE TO BE CONSTRUCTED THROUGHOUT PROJECT LIMIT

REVISIONS	
NAME	DATE

  
**SUNSET AVENUE**  
**TRAFFIC CONTROL**  
**TYPICAL SECTIONS**

FALL	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	46
TRAFFIC CONTROL - STAGE 1				
CONTRACT NO. 83847		ALDN09	SUNSET AVENUE	

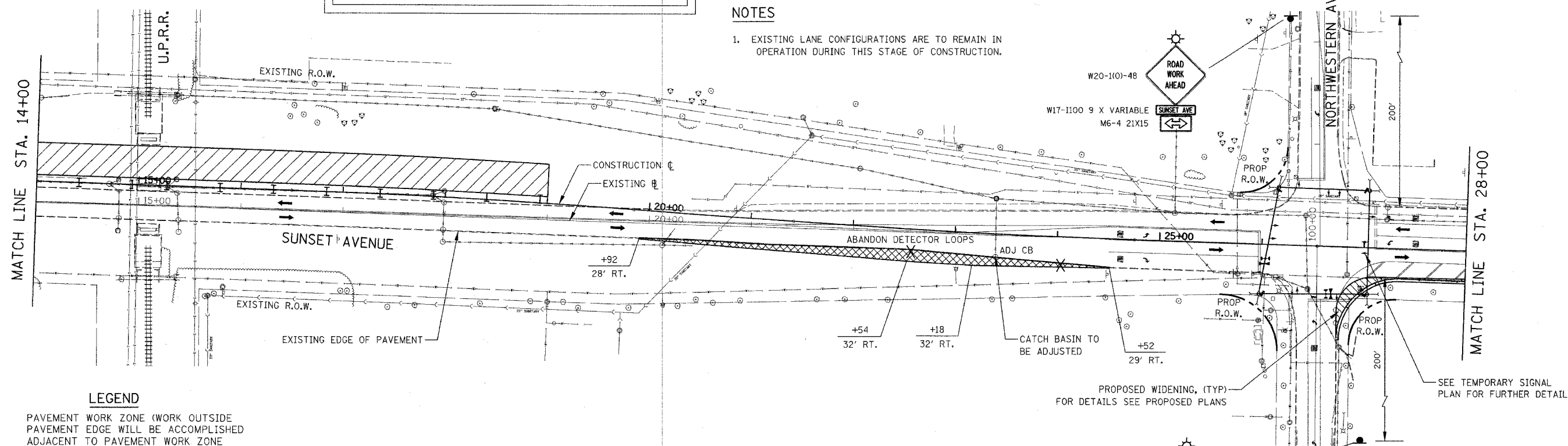
STATION AND OFFSET INFORMATION IS FROM THE CONSTRUCTION CL.









FOR TEMPORARY PAVEMENT CONSTRUCTION AND PAVEMENT WIDENING USE IDOT STANDARDS NO. 701326, 701602, & 701701

**NOTES**

- EXISTING LANE CONFIGURATIONS ARE TO REMAIN IN OPERATION DURING THIS STAGE OF CONSTRUCTION.




**LEGEND**

-  PAVEMENT WORK ZONE (WORK OUTSIDE PAVEMENT EDGE WILL BE ACCOMPLISHED ADJACENT TO PAVEMENT WORK ZONE DURING THAT STAGE)
-  PROPOSED PAVEMENT WIDENING PLACED IN THIS STAGE
-  TEMPORARY PAVEMENT PLACED IN THIS STAGE
-  TEMPORARY PAVEMENT PLACED BY OTHERS (INTERSECTION PROJECT)
-  DIRECTION OF TRAFFIC
-  SIGN LOCATION



REVISIONS	
NAME	DATE

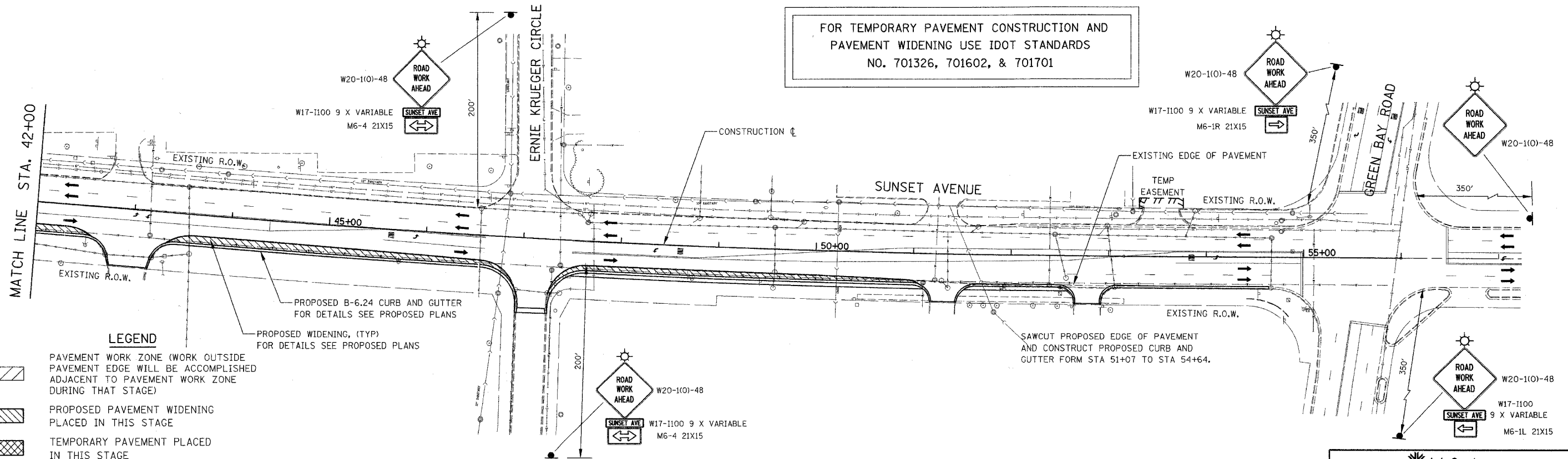
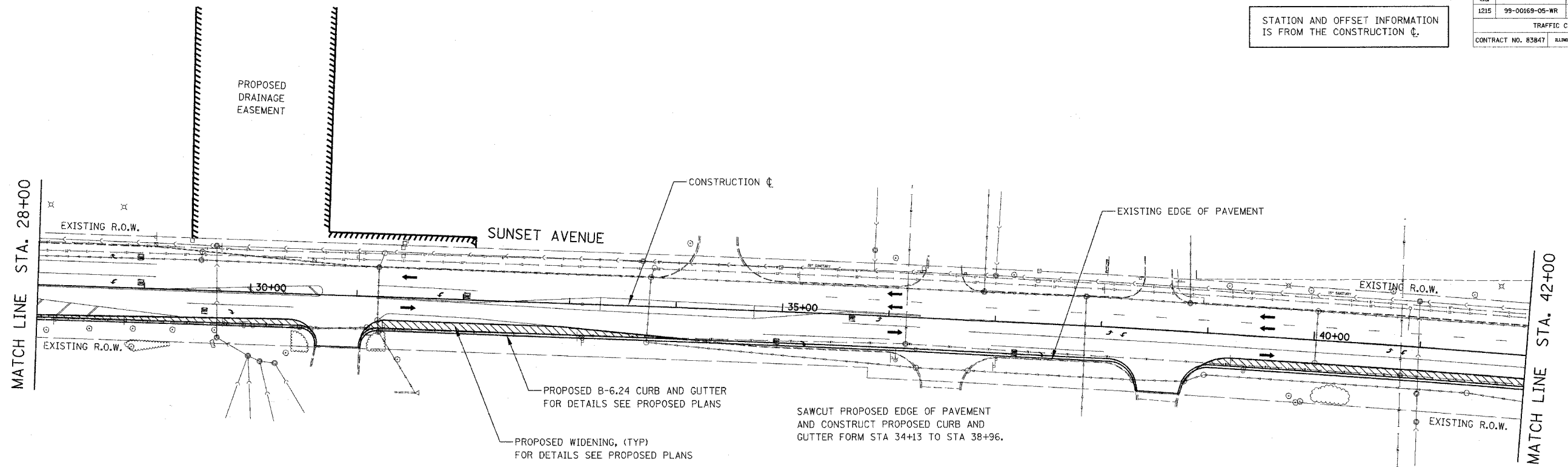
  
**SUNSET AVENUE**  
**TRAFFIC CONTROL**  
**STAGE 1**

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

DATE	
BY	
PROFILE	
NOTED	
GRADES CHECKED	
S. M.S. NOTED	
STRUCTURE NOTATIONS CHECKED	
NOTE BOOK	
NO.	

FAAL RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	47
TRAFFIC CONTROL - STAGE 1				
CONTRACT NO. 83847		ILLINOIS	SUNSET AVENUE	

STATION AND OFFSET INFORMATION IS FROM THE CONSTRUCTION CL.



FOR TEMPORARY PAVEMENT CONSTRUCTION AND PAVEMENT WIDENING USE IDOT STANDARDS NO. 701326, 701602, & 701701

DATE	BY
PLAN	DATE
NO.	

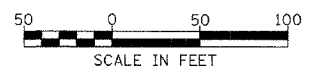
DATE	BY
PROFILE	DATE
NO.	

**LEGEND**

- PAVEMENT WORK ZONE (WORK OUTSIDE PAVEMENT EDGE WILL BE ACCOMPLISHED ADJACENT TO PAVEMENT WORK ZONE DURING THAT STAGE)
- PROPOSED PAVEMENT WIDENING PLACED IN THIS STAGE
- TEMPORARY PAVEMENT PLACED IN THIS STAGE
- TEMPORARY PAVEMENT PLACED BY OTHERS (INTERSECTION PROJECT)
- DIRECTION OF TRAFFIC
- SIGN LOCATION

**NOTES**

- EXISTING LANE CONFIGURATIONS ARE TO REMAIN IN OPERATION DURING THIS STAGE OF CONSTRUCTION.

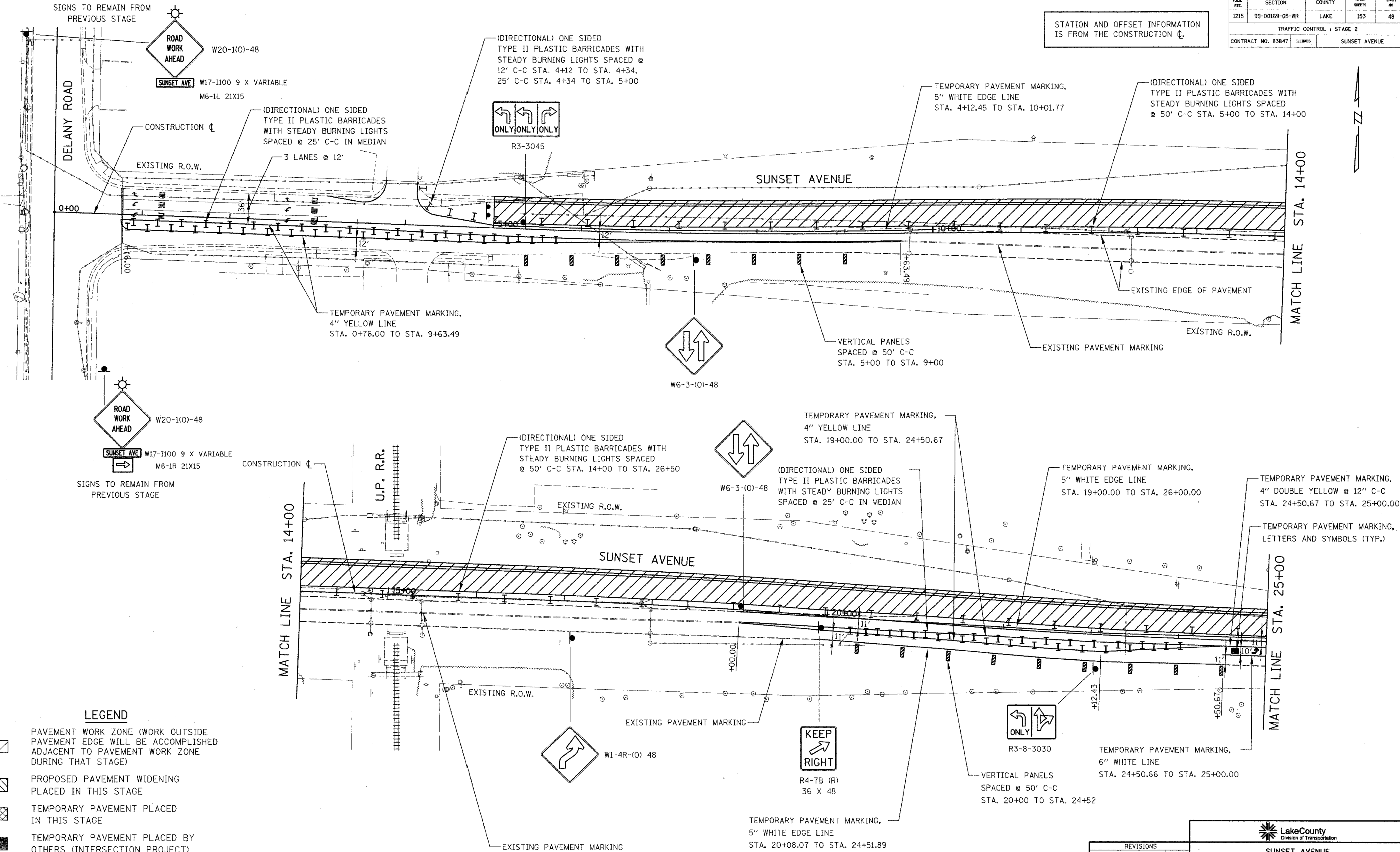


REVISIONS	
NAME	DATE

Lake County  
Division of Transportation  
**SUNSET AVENUE**  
**TRAFFIC CONTROL**  
**STAGE 1**

FAH. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	48
TRAFFIC CONTROL - STAGE 2				
CONTRACT NO. 83847		ALLIANCE	SUNSET AVENUE	

STATION AND OFFSET INFORMATION IS FROM THE CONSTRUCTION □



DATE	BY	REVISION

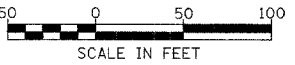
PLAN	DATE	BY	REVISION

DATE	BY	REVISION

PROFILE	DATE	BY	REVISION

- LEGEND**
- PAVEMENT WORK ZONE (WORK OUTSIDE PAVEMENT EDGE WILL BE ACCOMPLISHED ADJACENT TO PAVEMENT WORK ZONE DURING THAT STAGE)
  - PROPOSED PAVEMENT WIDENING PLACED IN THIS STAGE
  - TEMPORARY PAVEMENT PLACED IN THIS STAGE
  - TEMPORARY PAVEMENT PLACED BY OTHERS (INTERSECTION PROJECT)
  - DIRECTION OF TRAFFIC
  - SIGN LOCATION



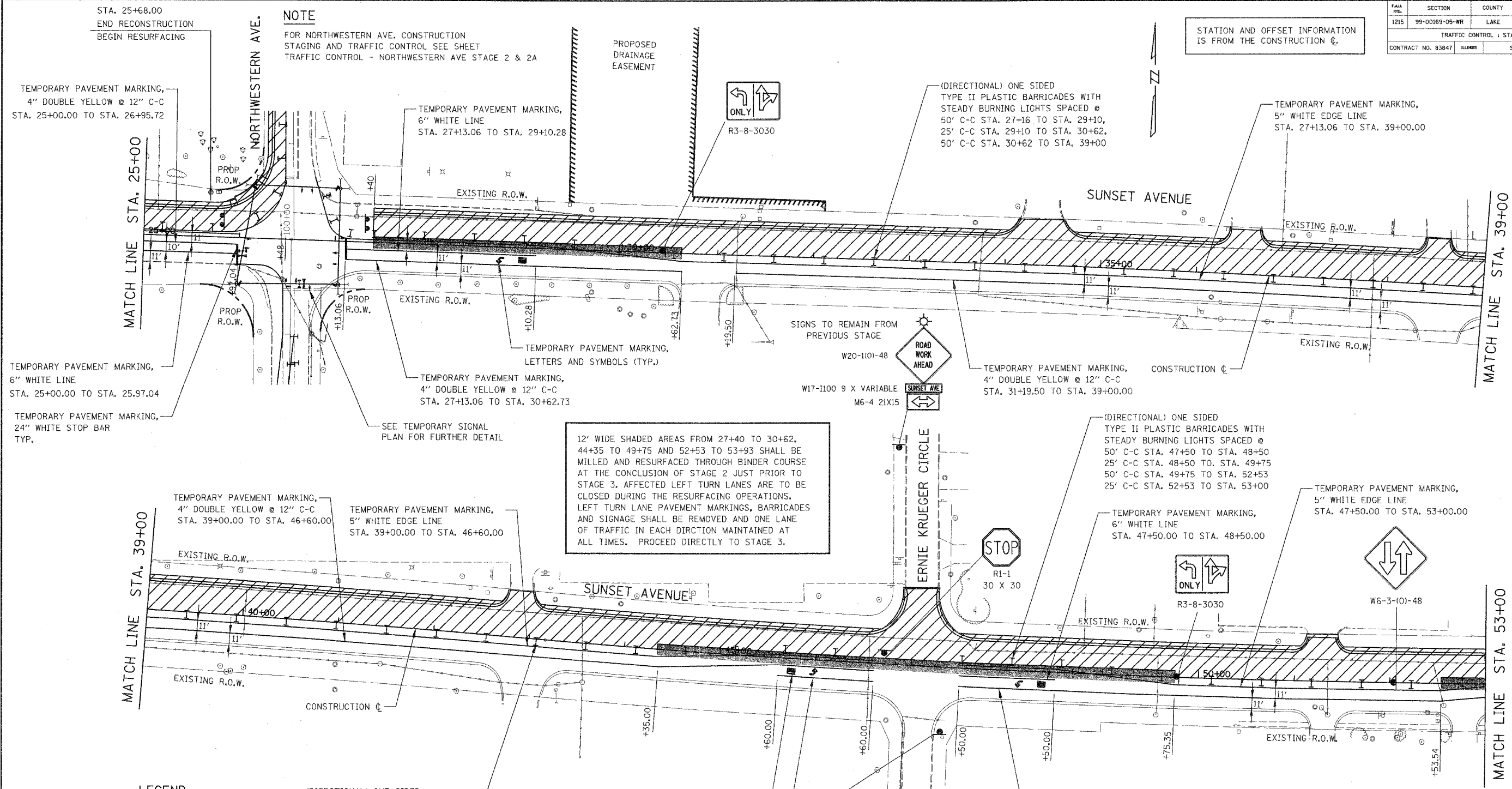
REVISIONS	
NAME	DATE

**SUNSET AVENUE**  
**TRAFFIC CONTROL**  
**STAGE 2**

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
99-00169-05-WR	LAKE	153	49
TRAFFIC CONTROL - STAGE 2			
CONTRACT NO. 83847		SUNSET AVENUE	

STATION AND OFFSET INFORMATION IS FROM THE CONSTRUCTION CL.

**NOTE**  
FOR NORTHWESTERN AVE. CONSTRUCTION STAGING AND TRAFFIC CONTROL SEE SHEET TRAFFIC CONTROL - NORTHWESTERN AVE STAGE 2 & 2A



12' WIDE SHADED AREAS FROM 27+40 TO 30+62, 44+35 TO 49+75 AND 52+53 TO 53+93 SHALL BE MILLED AND RESURFACED THROUGH BINDER COURSE AT THE CONCLUSION OF STAGE 2 JUST PRIOR TO STAGE 3. AFFECTED LEFT TURN LANES ARE TO BE CLOSED DURING THE RESURFACING OPERATIONS. LEFT TURN LANE PAVEMENT MARKINGS, BARRICADES AND SIGNAGE SHALL BE REMOVED AND ONE LANE OF TRAFFIC IN EACH DIRECTION MAINTAINED AT ALL TIMES. PROCEED DIRECTLY TO STAGE 3.

TEMPORARY PAVEMENT MARKING, 4" DOUBLE YELLOW @ 12" C-C STA. 25+00.00 TO STA. 26+95.72

TEMPORARY PAVEMENT MARKING, 6" WHITE LINE STA. 27+13.06 TO STA. 29+10.28

(DIRECTIONAL) ONE SIDED TYPE II PLASTIC BARRICADES WITH STEADY BURNING LIGHTS SPACED @ 50' C-C STA. 27+16 TO STA. 29+10, 25' C-C STA. 29+10 TO STA. 30+62, 50' C-C STA. 30+62 TO STA. 39+00

TEMPORARY PAVEMENT MARKING, 5" WHITE EDGE LINE STA. 27+13.06 TO STA. 39+00.00

TEMPORARY PAVEMENT MARKING, 6" WHITE LINE STA. 25+00.00 TO STA. 25.97.04

TEMPORARY PAVEMENT MARKING, 4" DOUBLE YELLOW @ 12" C-C STA. 27+13.06 TO STA. 30+62.73

TEMPORARY PAVEMENT MARKING, 4" DOUBLE YELLOW @ 12" C-C STA. 31+19.50 TO STA. 39+00.00

TEMPORARY PAVEMENT MARKING, 24" WHITE STOP BAR TYP.

SEE TEMPORARY SIGNAL PLAN FOR FURTHER DETAIL

TEMPORARY PAVEMENT MARKING, 4" DOUBLE YELLOW @ 12" C-C STA. 39+00.00 TO STA. 46+60.00

TEMPORARY PAVEMENT MARKING, 5" WHITE EDGE LINE STA. 39+00.00 TO STA. 46+60.00

(DIRECTIONAL) ONE SIDED TYPE II PLASTIC BARRICADES WITH STEADY BURNING LIGHTS SPACED @ 50' C-C STA. 47+50 TO STA. 48+50 25' C-C STA. 48+50 TO STA. 49+75 50' C-C STA. 49+75 TO STA. 52+53 25' C-C STA. 52+53 TO STA. 53+00

TEMPORARY PAVEMENT MARKING, 5" WHITE EDGE LINE STA. 47+50.00 TO STA. 53+00.00

TEMPORARY PAVEMENT MARKING, 6" WHITE LINE STA. 47+50.00 TO STA. 48+50.00

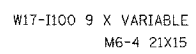
**LEGEND**  
PAVEMENT WORK ZONE (WORK OUTSIDE PAVEMENT EDGE WILL BE ACCOMPLISHED ADJACENT TO PAVEMENT WORK ZONE DURING THAT STAGE)  
PROPOSED PAVEMENT WIDENING PLACED IN THIS STAGE  
TEMPORARY PAVEMENT PLACED IN THIS STAGE  
TEMPORARY PAVEMENT PLACED BY OTHERS (INTERSECTION PROJECT)  
DIRECTION OF TRAFFIC  
SIGN LOCATION

(DIRECTIONAL) ONE SIDED TYPE II PLASTIC BARRICADES WITH STEADY BURNING LIGHTS SPACED @ 50' C-C STA. 39+00 TO STA. 44+35 25' C-C STA. 44+35 TO STA. 45+60 50' C-C STA. 45+60 TO STA. 46+60

TEMPORARY PAVEMENT MARKING, LETTER AND SYMBOLS (TYP.)

TEMPORARY PAVEMENT MARKING, 6" WHITE LINE STA. 45+60.00 TO STA. 46+60.00

TEMPORARY PAVEMENT MARKING, 4" DOUBLE YELLOW @ 12" C-C STA. 47+50.00 TO STA. 53+00.00



REVISIONS	
NAME	DATE

**SUNSET AVENUE**  
**TRAFFIC CONTROL**  
**STAGE 2**

**PLAN**

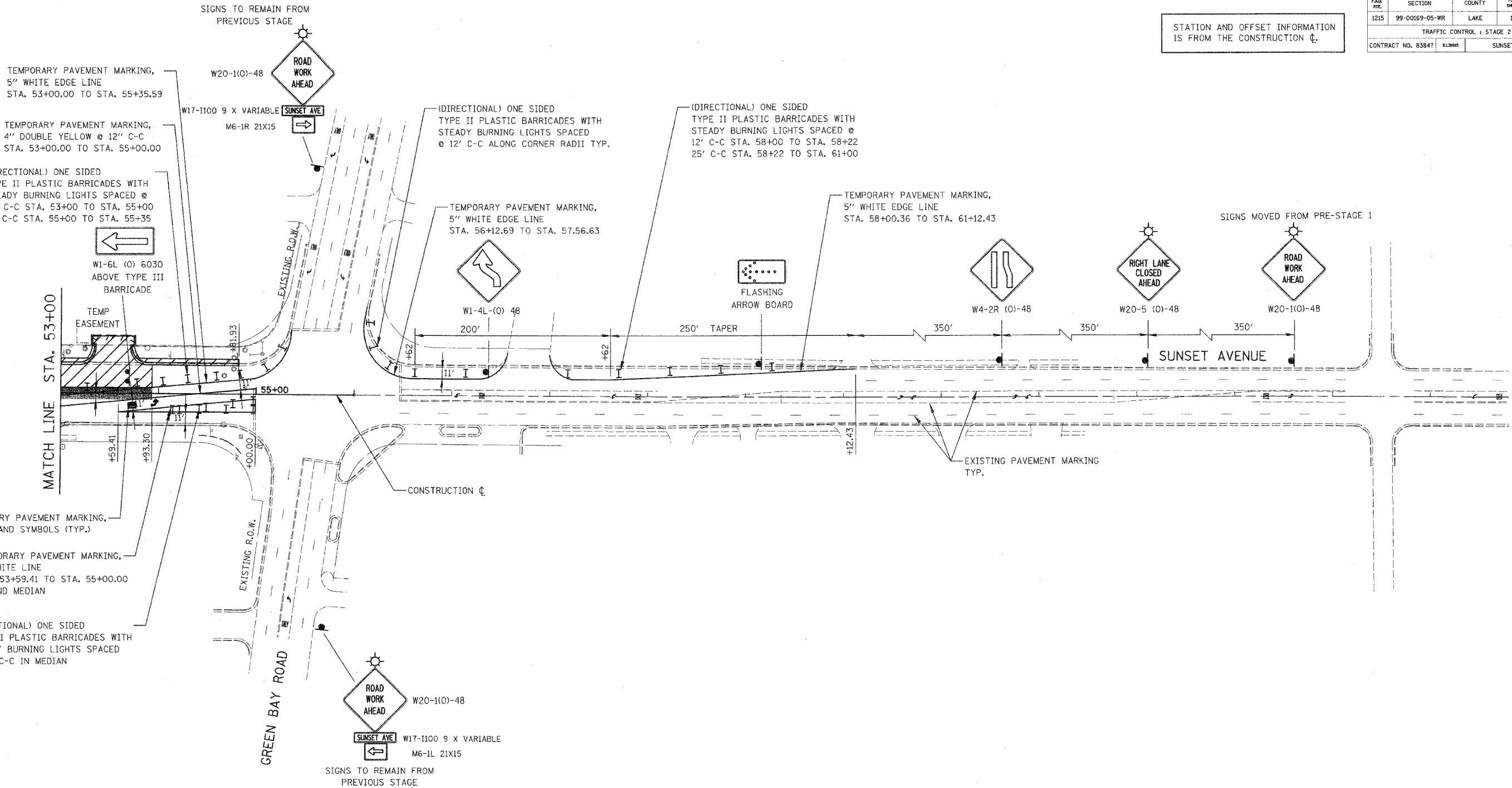
DATE	
BY	
CHECKED	
DATE	
NO.	

**PROFILE**

DATE	
BY	
CHECKED	
DATE	
NO.	

PLAN SHEET	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	50
TRAFFIC CONTROL - STAGE 2				
CONTRACT NO. 83847		SUNSET AVENUE		

STATION AND OFFSET INFORMATION IS FROM THE CONSTRUCTION CL.

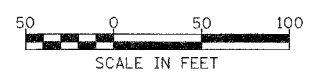


DATE	BY	REVISION

DATE	BY	REVISION

- LEGEND**
- PAVEMENT WORK ZONE (WORK OUTSIDE PAVEMENT EDGE WILL BE ACCOMPLISHED ADJACENT TO PAVEMENT WORK ZONE DURING THAT STAGE)
  - PROPOSED PAVEMENT WIDENING PLACED IN THIS STAGE
  - TEMPORARY PAVEMENT PLACED IN THIS STAGE
  - TEMPORARY PAVEMENT PLACED BY OTHERS (INTERSECTION PROJECT)
  - DIRECTION OF TRAFFIC
  - SIGN LOCATION

FOR ADVANCE SIGN PLACEMENT  
USE IDOT STANDARD NO. 701606

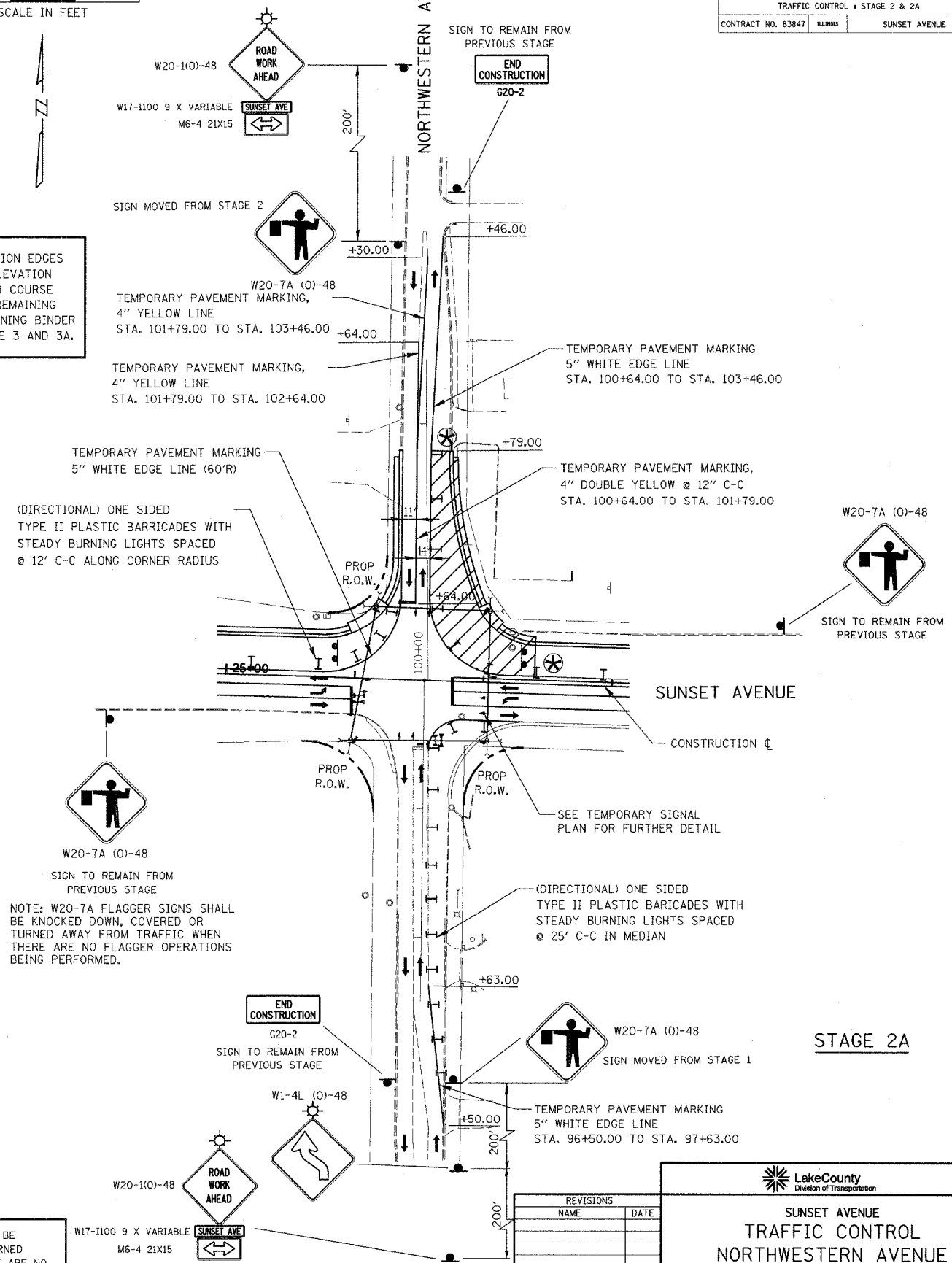
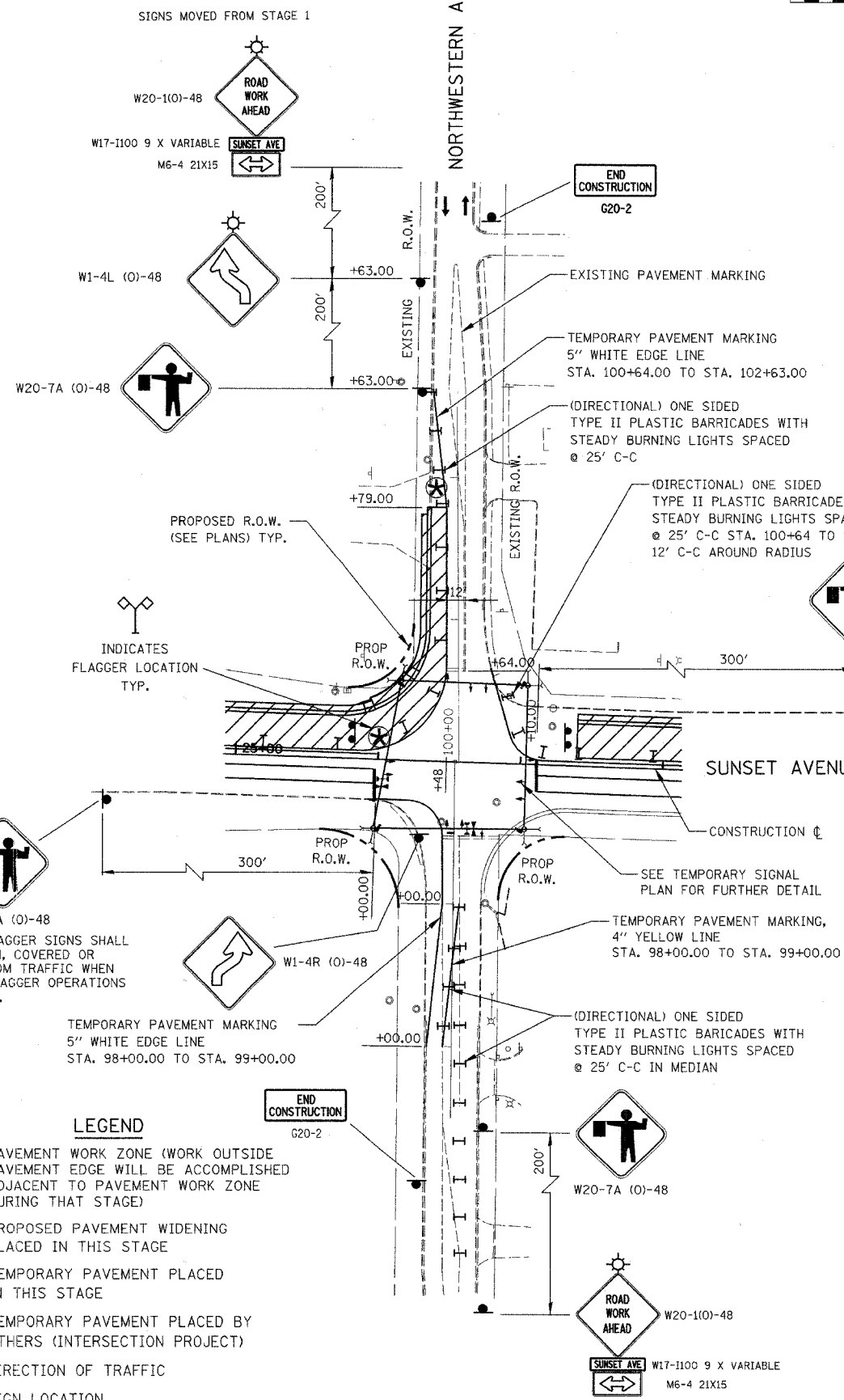
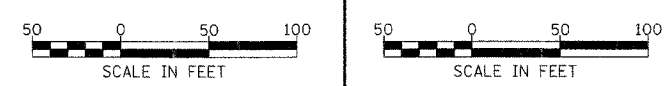


REVISIONS	
NAME	DATE

**SUNSET AVENUE**  
**TRAFFIC CONTROL**  
**STAGE 2**



FAA/RTL	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1215	99-00169-05-WR	LAKE	153	51
TRAFFIC CONTROL - STAGE 2 & 2A				
CONTRACT NO. 83847		ALIGNMENT SUNSET AVENUE		



REDUCE BINDER DEPTH AT INTERSECTION EDGES IN ORDER TO PROVIDE A MAXIMUM ELEVATION DIFFERENCE OF 1/2" BETWEEN BINDER COURSE AND ADJACENT EXISTING PAVEMENT REMAINING AFTER STAGE 2 AND 2A. ANY REMAINING BINDER THICKNESS WILL BE PLACED IN STAGE 3 AND 3A.

STAGE 2

STAGE 2A

NOTE: W20-7A FLAGGER SIGNS SHALL BE KNOCKED DOWN, COVERED OR TURNED AWAY FROM TRAFFIC WHEN THERE ARE NO FLAGGER OPERATIONS BEING PERFORMED.

NOTE: W20-7A FLAGGER SIGNS SHALL BE KNOCKED DOWN, COVERED OR TURNED AWAY FROM TRAFFIC WHEN THERE ARE NO FLAGGER OPERATIONS BEING PERFORMED.

NOTE: W20-7A FLAGGER SIGNS ARE TO BE KNOCKED DOWN, COVERED, OR TURNED AWAY FROM TRAFFIC WHEN THERE ARE NO FLAGGER OPERATIONS BEING PERFORMED.

- LEGEND**
- PAVEMENT WORK ZONE (WORK OUTSIDE PAVEMENT EDGE WILL BE ACCOMPLISHED ADJACENT TO PAVEMENT WORK ZONE DURING THAT STAGE)
  - PROPOSED PAVEMENT WIDENING PLACED IN THIS STAGE
  - TEMPORARY PAVEMENT PLACED IN THIS STAGE
  - TEMPORARY PAVEMENT PLACED BY OTHERS (INTERSECTION PROJECT)
  - DIRECTION OF TRAFFIC
  - SIGN LOCATION

REVISIONS	
NAME	DATE

**SUNSET AVENUE**  
**TRAFFIC CONTROL**  
**NORTHWESTERN AVENUE**  
**STAGE 2 & 2A**



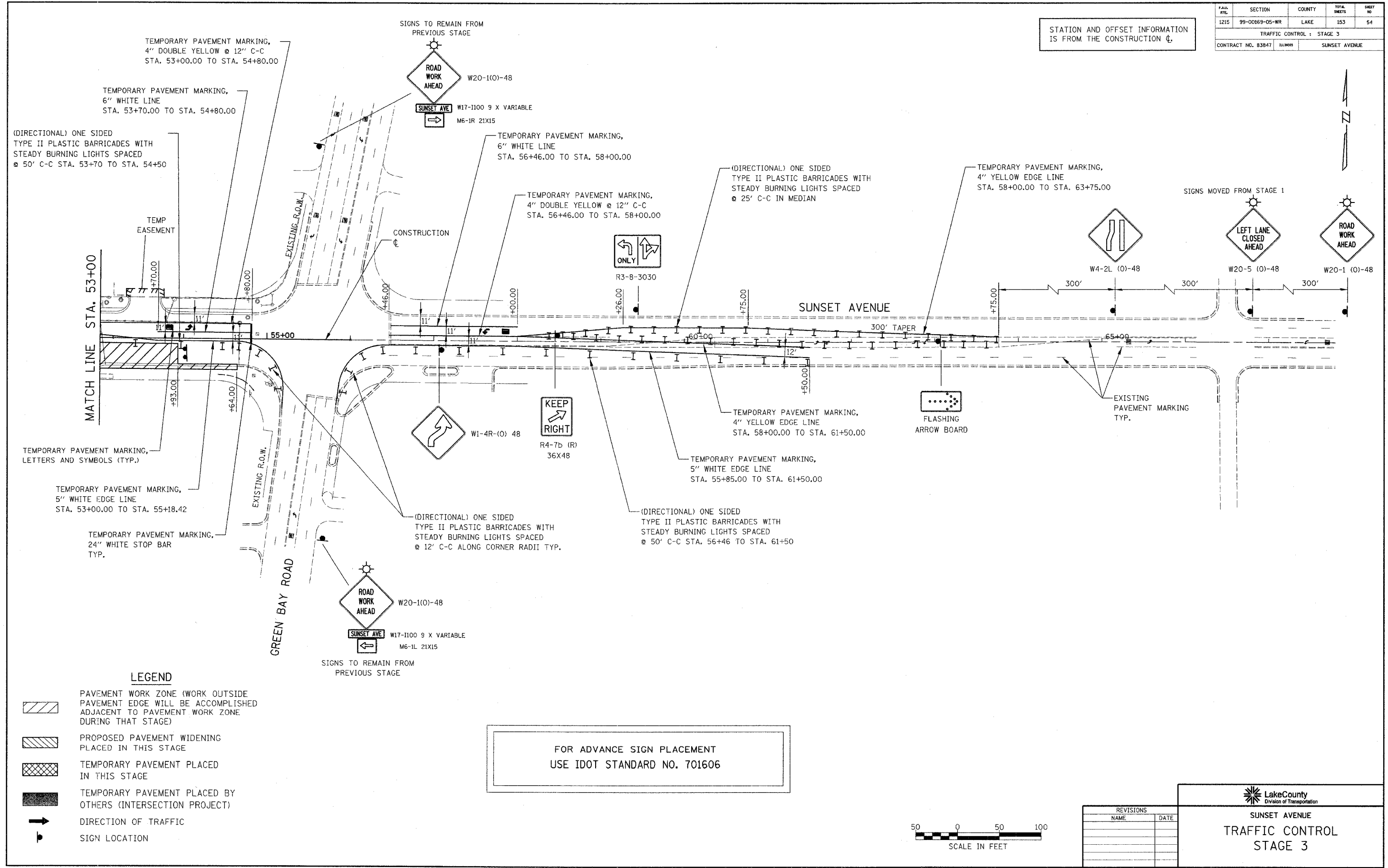


FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	54
TRAFFIC CONTROL - STAGE 3				
CONTRACT NO. 83847		SUNSET AVENUE		

STATION AND OFFSET INFORMATION IS FROM THE CONSTRUCTION CL.

DATE	BY	REVISION

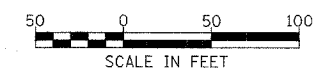
DATE	BY	REVISION



**LEGEND**

- PAVEMENT WORK ZONE (WORK OUTSIDE PAVEMENT EDGE WILL BE ACCOMPLISHED ADJACENT TO PAVEMENT WORK ZONE DURING THAT STAGE)
- PROPOSED PAVEMENT WIDENING PLACED IN THIS STAGE
- TEMPORARY PAVEMENT PLACED IN THIS STAGE
- TEMPORARY PAVEMENT PLACED BY OTHERS (INTERSECTION PROJECT)
- DIRECTION OF TRAFFIC
- SIGN LOCATION

FOR ADVANCE SIGN PLACEMENT  
USE IDOT STANDARD NO. 701606



REVISIONS	
NAME	DATE

**SUNSET AVENUE**  
**TRAFFIC CONTROL**  
**STAGE 3**

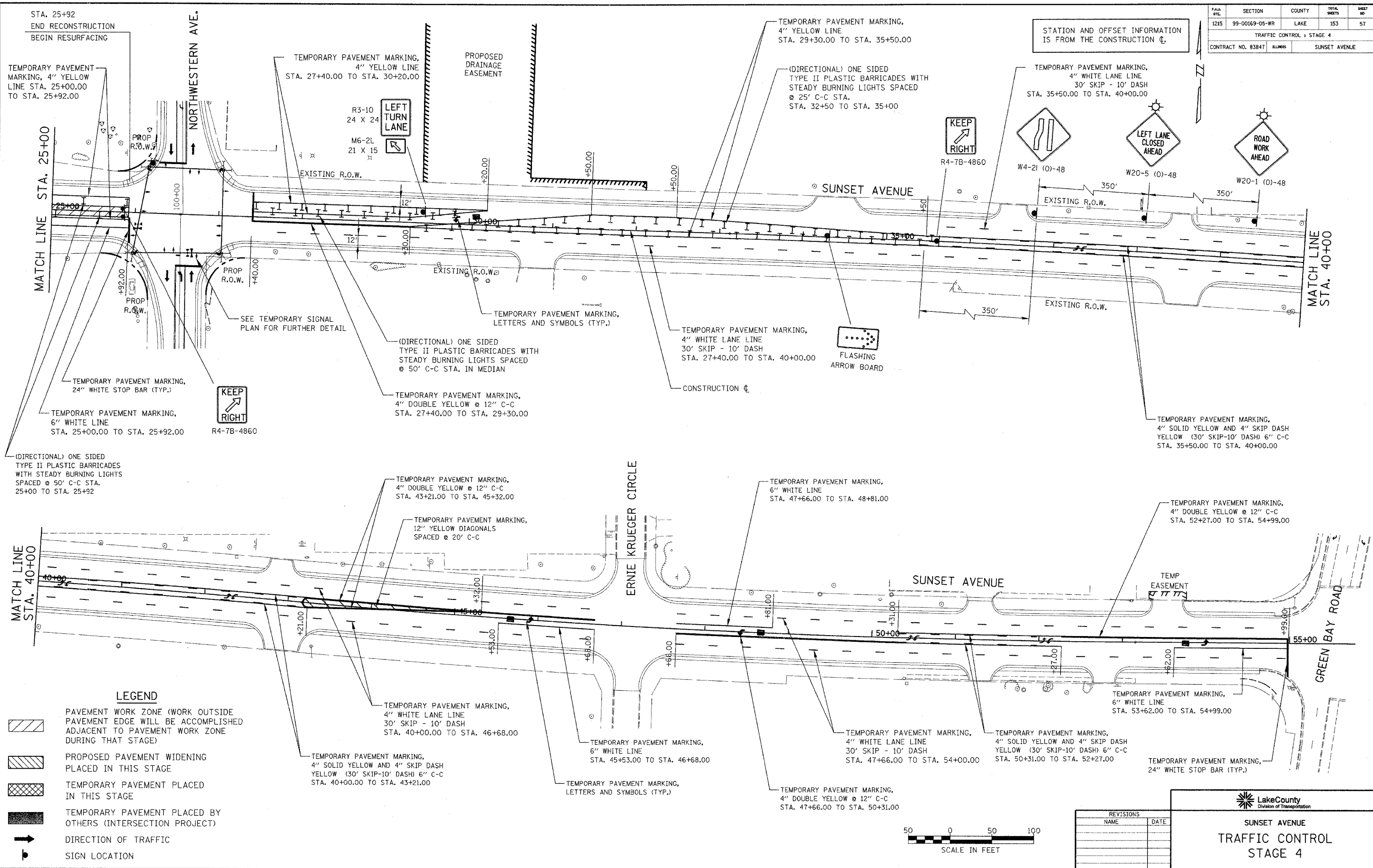






SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
99-00169-05-WR	LAKE	153	57
TRAFFIC CONTROL : STAGE 4			
CONTRACT NO. 83847 ILLINOIS SUNSET AVENUE			

STATION AND OFFSET INFORMATION IS FROM THE CONSTRUCTION C.

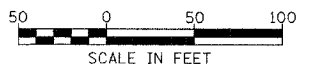


DATE	BY	REVISION

DATE	BY	REVISION

**LEGEND**

	PAVEMENT WORK ZONE (WORK OUTSIDE PAVEMENT EDGE WILL BE ACCOMPLISHED ADJACENT TO PAVEMENT WORK ZONE DURING THAT STAGE)
	PROPOSED PAVEMENT WIDENING PLACED IN THIS STAGE
	TEMPORARY PAVEMENT PLACED IN THIS STAGE
	TEMPORARY PAVEMENT PLACED BY OTHERS (INTERSECTION PROJECT)
	DIRECTION OF TRAFFIC
	SIGN LOCATION



REVISIONS	
NAME	DATE

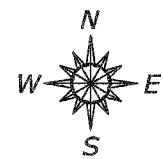
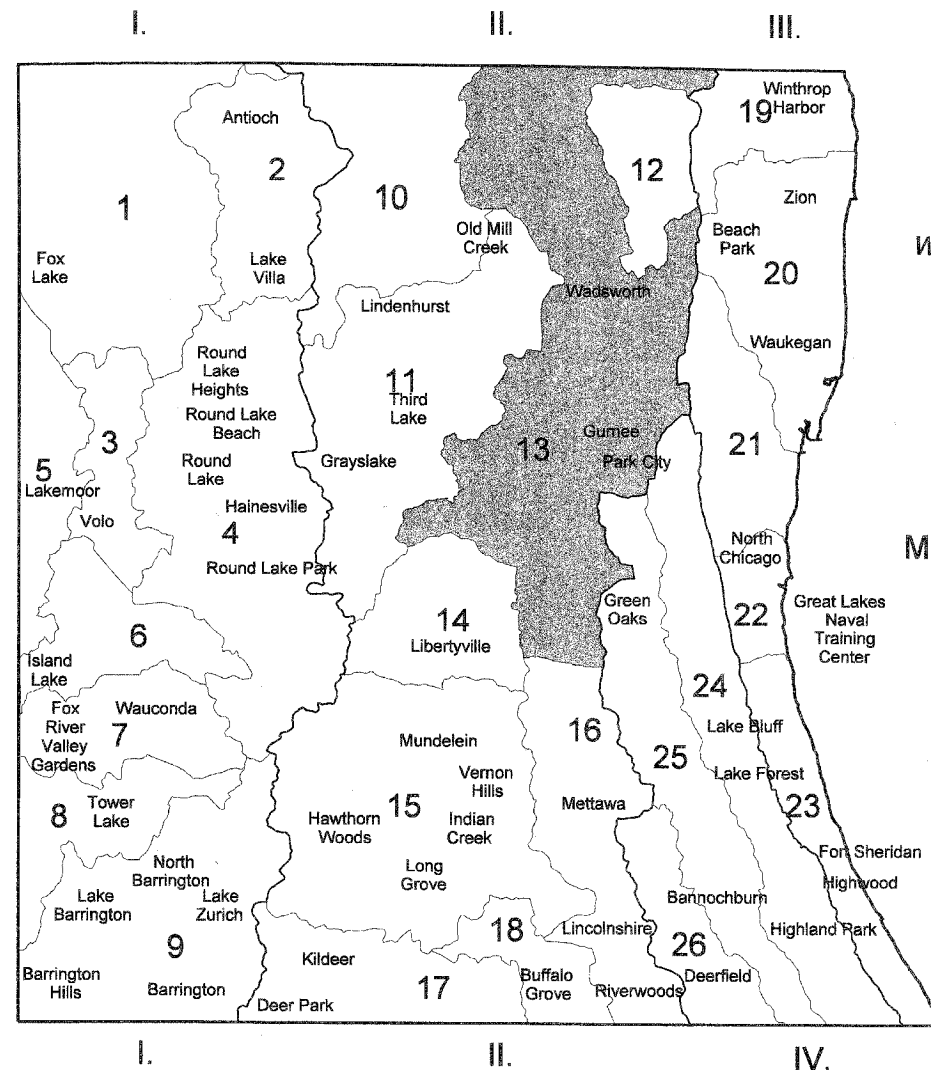
**Lake County**  
Division of Transportation

**SUNSET AVENUE**  
**TRAFFIC CONTROL**  
**STAGE 4**



SHEET NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	58
EROSION CONTROL PLAN				
CONTRACT NO. 83847		ILLINOIS	SUNSET AVENUE	

## DRAINAGE BASINS OF LAKE COUNTY



LAKE  
MICHIGAN

### I. FOX RIVER WATERSHED

1. Upper Fox River
2. Sequoit Creek
3. Fish Lake Drain
4. Squaw Creek
5. Lower Fox River
6. Mutton Creek
7. Slocum Lake Drain
8. Tower Lake Drain
9. Flint Creek

### II. DES PLAINES RIVER WATERSHED

10. North Mill Creek
11. Mill Creek
12. Newport Drainage Ditch
13. Upper Des Plaines River
14. Bull Creek
15. Indian Creek
16. Lower Des Plaines River
17. Buffalo Creek
18. Aptakisic Creek

### III. LAKE MICHIGAN WATERSHED

19. Kellogg Creek
20. Dead River
21. Waukegan River
22. Pettibone Creek
23. Bluff/Ravine

### IV. CHICAGO RIVER WATERSHED

24. Skokie River
25. Middle Fork
26. West Fork

### NOTES

1. THE ENGINEER SHALL INSPECT ALL TEMPORARY EROSION CONTROL STRUCTURES WEEKLY AND AFTER ANY RAINSTORM EVENT AND INFORM AND DIRECT THE CONTRACTOR TO REPAIR/REPLACE ALL EROSION CONTROL MATERIALS/STRUCTURES PROMPTLY AS NEEDED.
2. PERIMETER EROSION BARRIER SHALL BE INSTALLED AT LOCATIONS SPECIFIED IN THE PLANS (TYPICALLY 5 FEET BEYOND THE TOE OF SLOPE OR AT THE RIGHT-OF-WAY). PERIMETER EROSION BARRIER SHALL BE INSTALLED AND FUNCTIONING PROPERLY PRIOR TO ANY EARTHWORK ACTIVITIES IN THE AREA TO BE PROTECTED. THEY SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND REMOVED IN CONJUNCTION WITH THE FINAL GRADING AND SITE STABILIZATION.
3. PROPOSED INLETS & PIPES SHOULD BE PROTECTED IMMEDIATELY AFTER THEY ARE CONSTRUCTED UNTIL THE SURFACES THAT DRAIN TO THEM ARE STABILIZED. CHOICE OF INLET AND PIPE PROTECTION SHALL BE APPROVED BY THE ENGINEER.
4. TEMPORARY DITCH CHECKS SHALL CONSIST URETHANE FOAM/GEOTEXTILE. AGGREGATE DITCH CHECKS SHALL NOT BE USED.
5. THE TYPE OF EROSION CONTROL BLANKET SHALL BE APPROVED BY THE ENGINEER.
6. TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT ALL ERODABLE OR BARE LOCATIONS WITHIN THE PROJECT LIMITS.
7. REFER TO ARTICLE 280.04 OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION FOR FURTHER GUIDANCE.
8. THE LAKE COUNTY STORMWATER MANAGEMENT COMMISSION (LCSMC) WILL CONDUCT ON SITE INSPECTIONS TO DETERMINE COMPLIANCE WITH EROSION CONTROL PLANS. THE LCSMC WILL DETERMINE IF CORRECTIVE MEASURES ARE NEEDED FOR SOIL EROSION AND SEDIMENT CONTROL.
9. THE LCSMC MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRECONSTRUCTION MEETING, COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND FINAL INSPECTION.

THIS PROJECT DISTURBS 16 ACRES OF TOTAL LAND AREA. COMPLIANCE WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER PERMIT IS NECESSARY AND WILL BE REQUIRED FOR THIS PROJECT.

### ESTIMATED QUANTITY

- 79 EACH
- 148 EACH
- 3,339 FOOT
- 15,024 SQ YD  
(EROSION CONTROL BLANKET)
- 432 LBS  
(TEMPORARY EROSION CONTROL SEEDING)

### EROSION CONTROL LEGEND

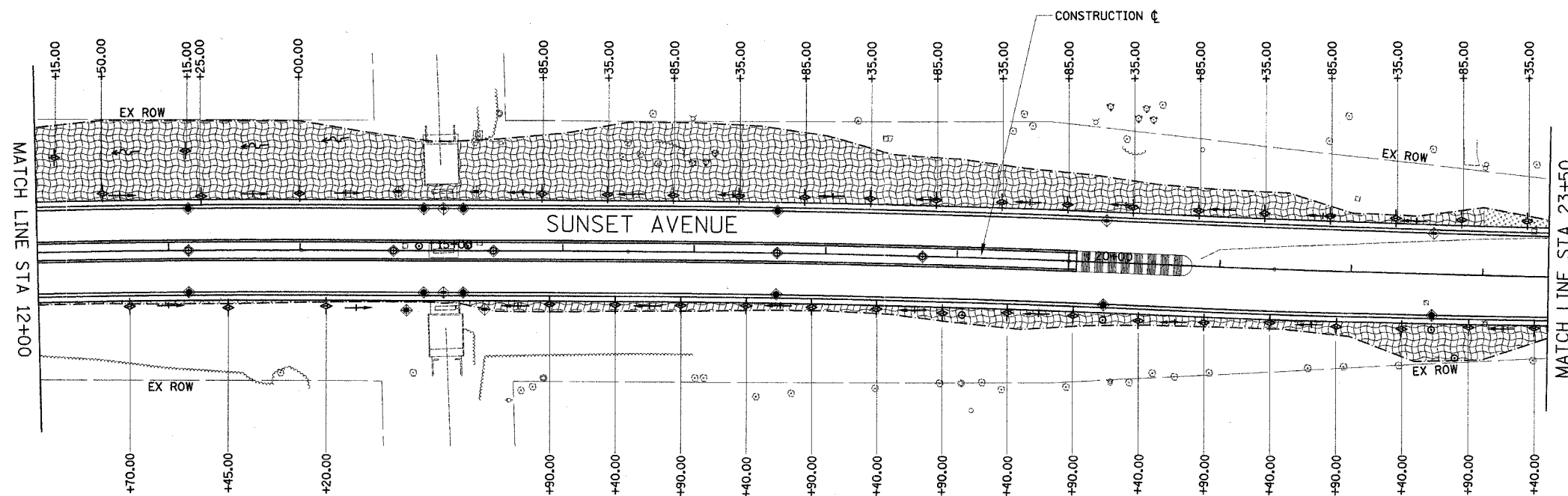
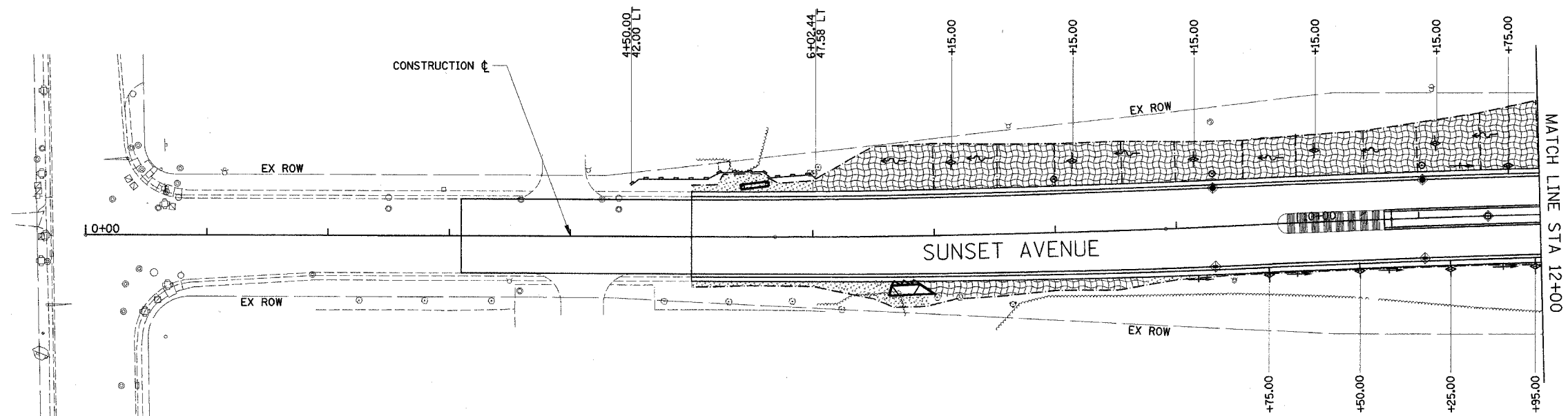
- INLET PROTECTION, SPECIAL
- TEMPORARY DITCH CHECKS, URETHANE FOAM/GEOTEXTILE
- PERIMETER EROSION BARRIER
- (TEMPORARY EROSION CONTROL SEEDING); EROSION CONTROL BLANKET
- (TEMPORARY EROSION CONTROL SEEDING)
- CLEARING AND GRADING LIMITS
- SWALE
- DITCH

REVISIONS	
NAME	DATE

**SUNSET AVENUE**  
**EROSION CONTROL PLAN**

FILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	59
EROSION CONTROL PLAN				
CONTRACT NO. 83847		OWNER	SUNSET AVENUE	

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

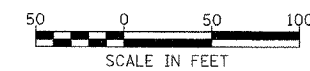


DATE	BY	DATE	BY
PROFILE		PLAN	
SURVEYED		SURVEYED	
PLOTTED		PLOTTED	
ALIGNMENT CHECKED		ALIGNMENT CHECKED	
STRUCTURE NOTATIONS CHECKED		STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.		NOTE BOOK NO.	

**EROSION CONTROL LEGEND**

- INLET PROTECTION, SPECIAL
- TEMPORARY DITCH CHECKS, URETHANE FOAM/GEOTEXTILE
- PERIMETER EROSION BARRIER
- (TEMPORARY EROSION CONTROL SEEDING); EROSION CONTROL BLANKET
- (TEMPORARY EROSION CONTROL SEEDING)
- CLEARING AND GRADING LIMITS
- SWALE
- DITCH

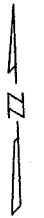
NOTE: ALL STATION AND OFFSET INFORMATION BASED ON CONSTRUCTION CENTERLINE



REVISIONS	
NAME	DATE

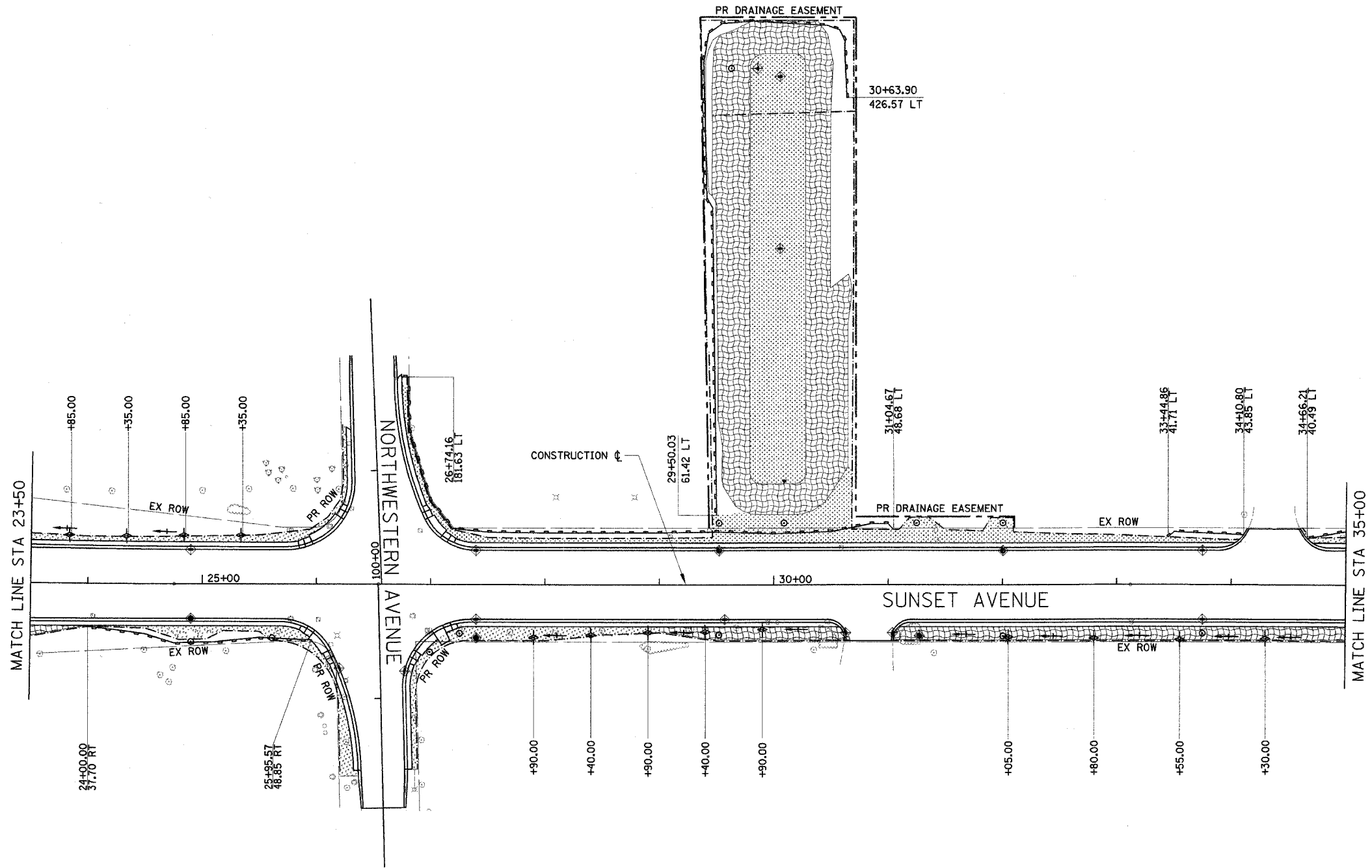
Lake County  
 Division of Transportation  
**SUNSET AVENUE**  
**EROSION CONTROL PLAN**

FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	60
EROSION CONTROL PLAN				
CONTRACT NO. 83847		ALTIMES	SUNSET AVENUE	



DATE	
BY	
REVISED	
NOTED	
PLANNING CHECKED	
BY: P. W. GIBBS	
PLAN	
NOTE BOOK	
No.	

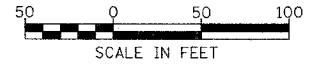
DATE	
BY	
REVISED	
NOTED	
STRUCTURAL NOTATION CHECKED	
PROFILE	
NOTE BOOK	
No.	



**EROSION CONTROL LEGEND**

	INLET PROTECTION, SPECIAL
	TEMPORARY DITCH CHECKS, URETHANE FOAM/GEOTEXTILE
	PERIMETER EROSION BARRIER
	(TEMPORARY EROSION CONTROL SEEDING); EROSION CONTROL BLANKET
	(TEMPORARY EROSION CONTROL SEEDING)
	CLEARING AND GRADING LIMITS
	☒ SWALE
	☒ DITCH

NOTE: ALL STATION AND OFFSET INFORMATION BASED ON CONSTRUCTION CENTERLINE



REVISIONS	
NAME	DATE

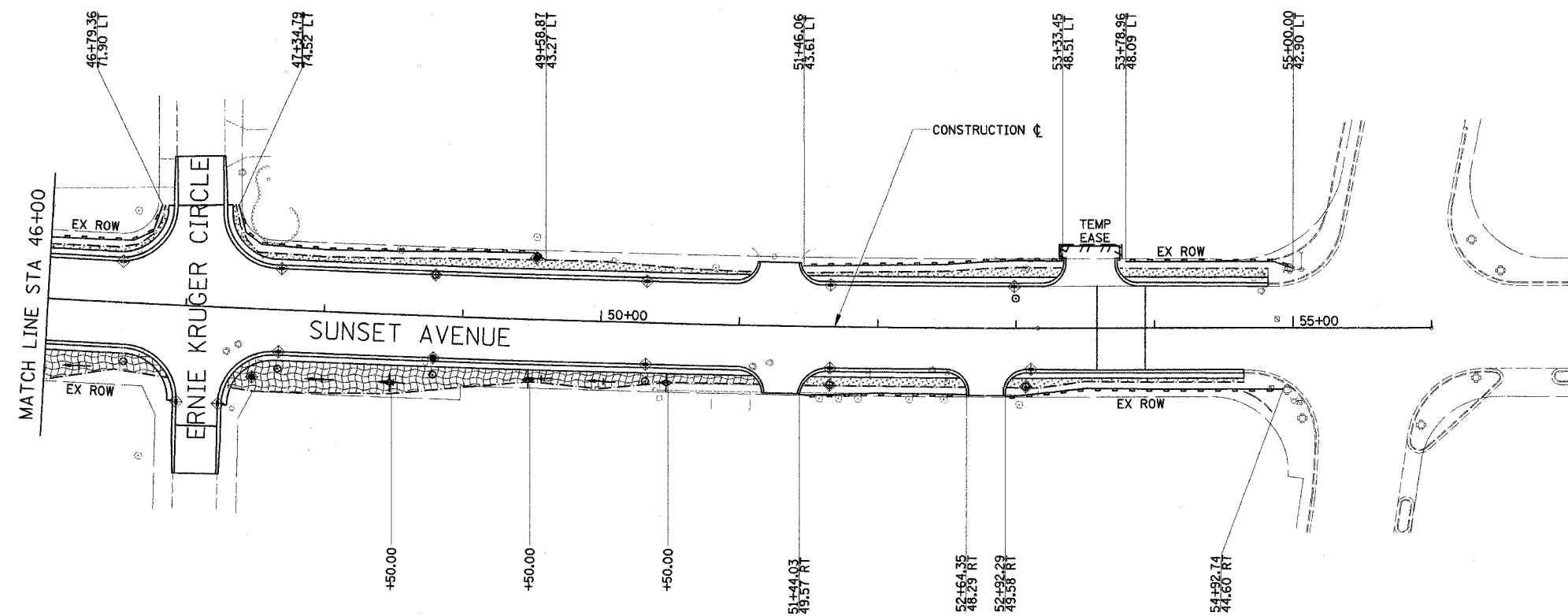
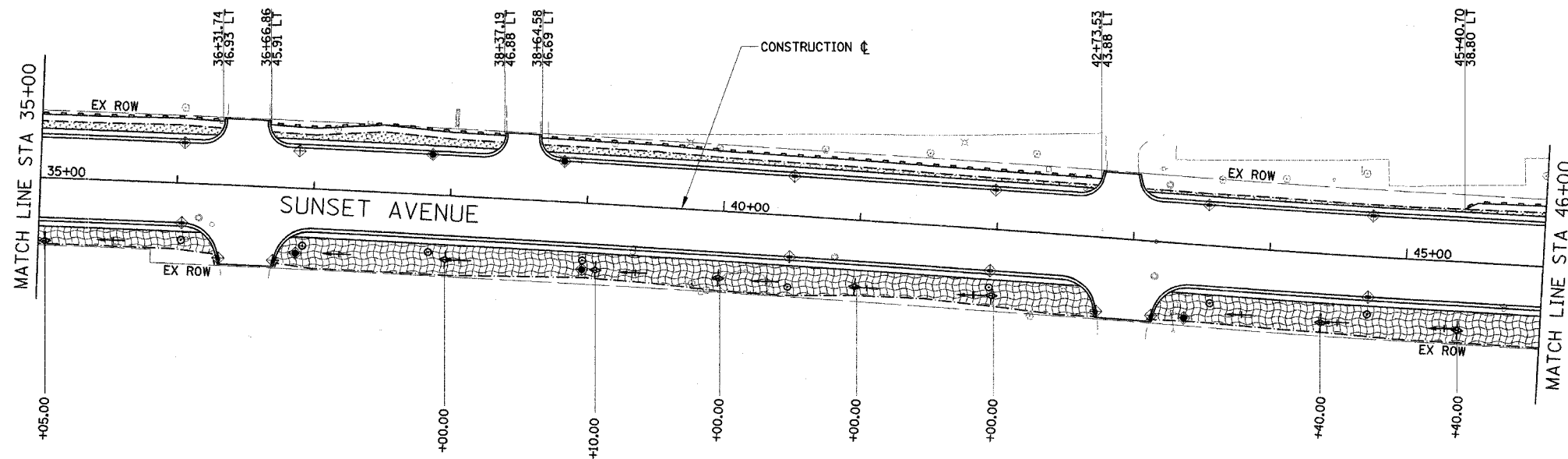
**Lake County**  
 Division of Transportation

**SUNSET AVENUE**  
**EROSION CONTROL PLAN**

FILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	61
EROSION CONTROL PLAN				
CONTRACT NO. 83847		ALLIANCE	SUNSET AVENUE	

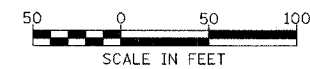
PLAN	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK	ALIGNMENT CHECKED	
	BY: RP, WAT, GEBRIS	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK	SPACE CHECKED	
	STRUCTURE NOTATIONS CHECKED	



- EROSION CONTROL LEGEND**
- INLET PROTECTION, SPECIAL
  - TEMPORARY DITCH CHECKS, URETHANE FOAM/GEOTEXTILE
  - PERIMETER EROSION BARRIER
  - (TEMPORARY EROSION CONTROL SEEDING); EROSION CONTROL BLANKET
  - (TEMPORARY EROSION CONTROL SEEDING)
  - CLEARING AND GRADING LIMITS
  - SWALE
  - DITCH

NOTE: ALL STATION AND OFFSET INFORMATION BASED ON CONSTRUCTION CENTERLINE



REVISIONS	
NAME	DATE

**SUNSET AVENUE**  
**EROSION CONTROL PLAN**

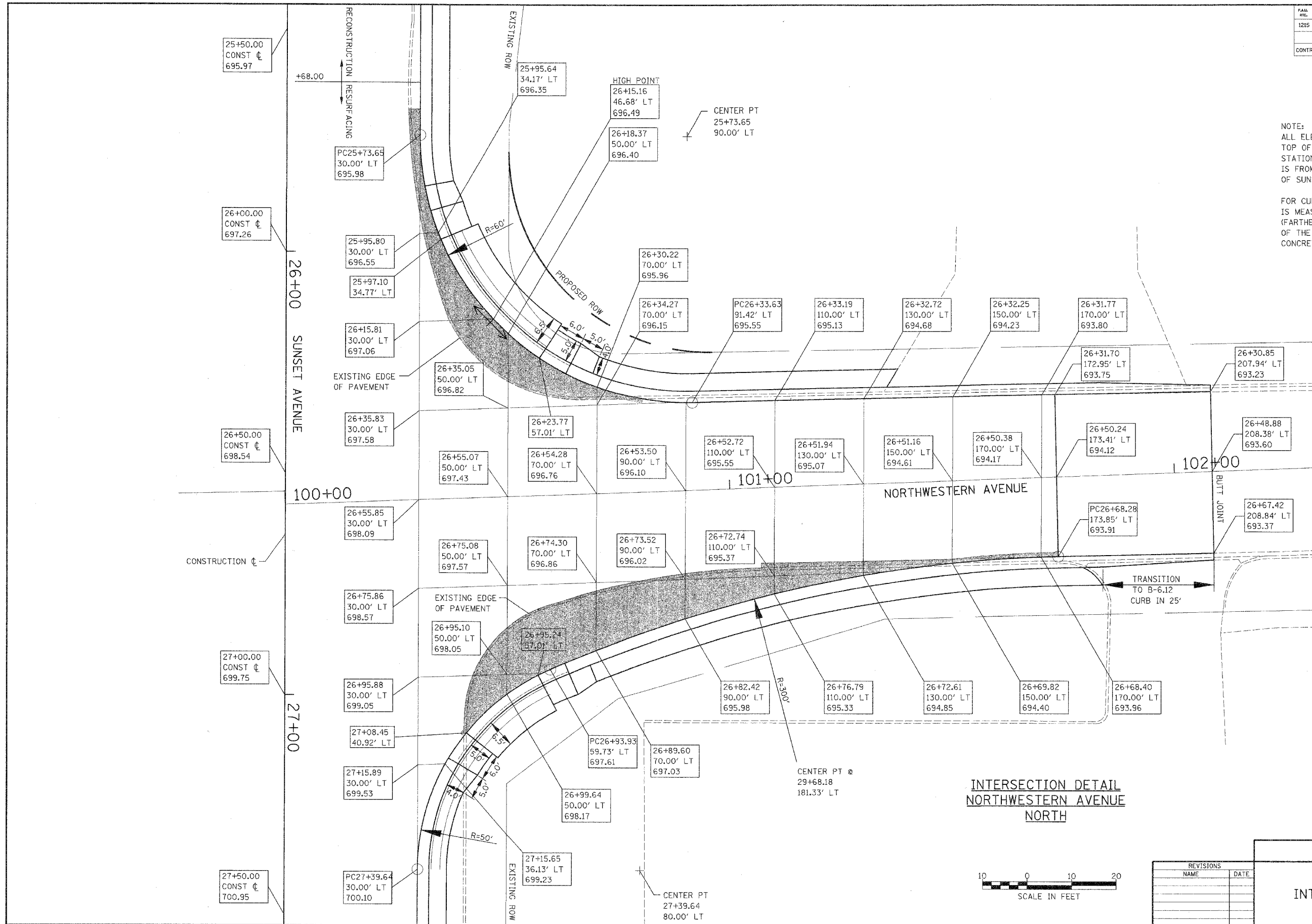
PAL. AVE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	62
CONSTRUCTION DETAIL				
CONTRACT NO. 83947		ALUMAS	SUNSET AVENUE	

NOTE:  
ALL ELEVATIONS REPRESENT PROPOSED TOP OF THE FINAL SURFACE COURSE. ALL STATION AND OFFSET INFORMATION IS FROM THE CONSTRUCTION CENTERLINE OF SUNSET AVENUE.

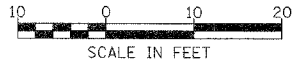
FOR CURB RAMPS ON A CURVE THE LENGTH IS MEASURED AT THE OUTSIDE EDGE (FARTHEST FROM THE EDGE OF PAVEMENT) OF THE BITUMINOUS SHOULDER OR CONCRETE RAMP.

DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY



**INTERSECTION DETAIL**  
**NORTHWESTERN AVENUE**  
**NORTH**



REVISIONS	
NAME	DATE

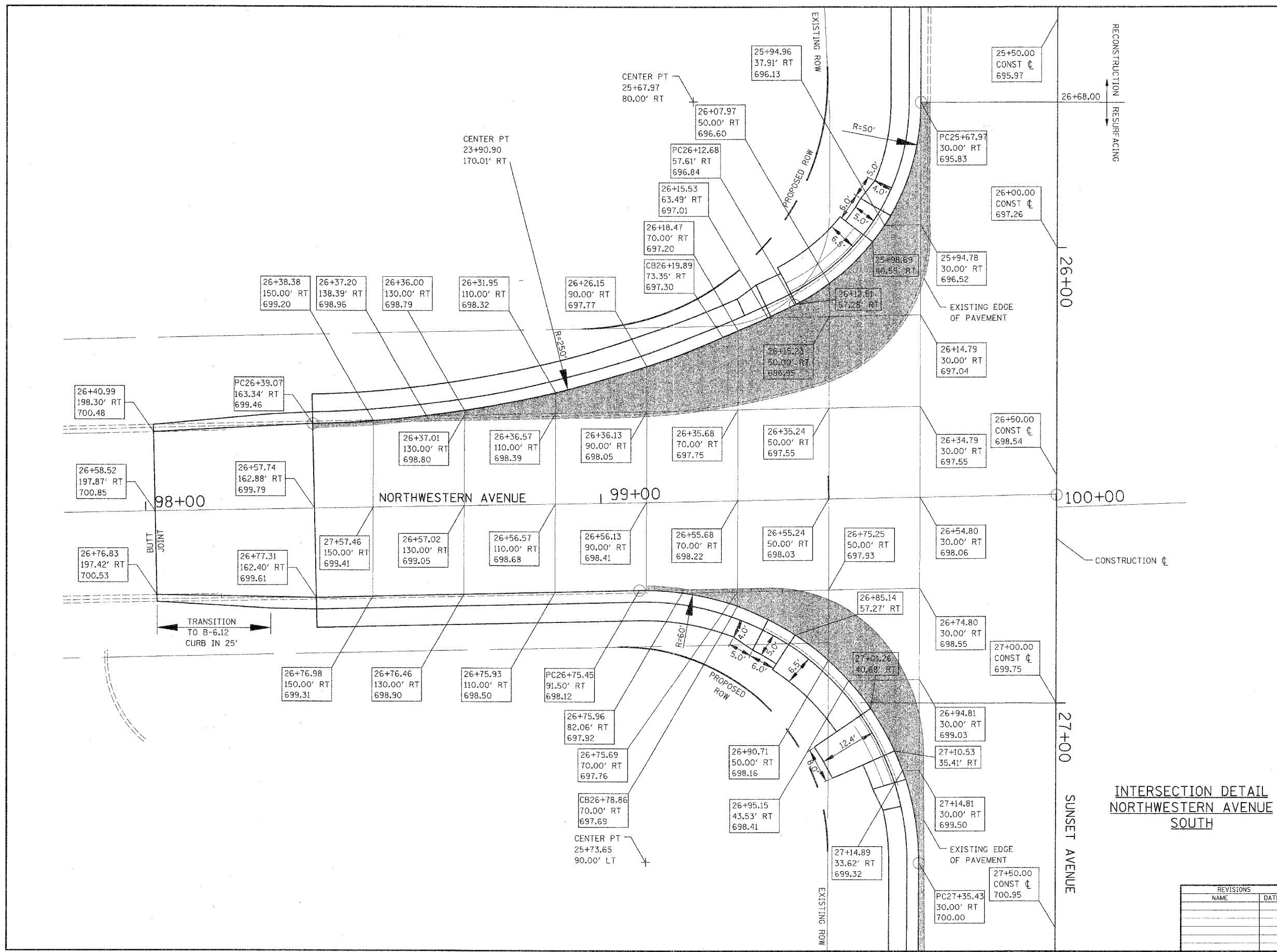
Lake County  
Division of Transportation

SUNSET AVENUE  
INTERSECTION DETAIL

PLAN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1215	99-00169-05-WR	LAKE	153	63
CONSTRUCTION DETAIL				
CONTRACT NO. 83847		SUNSET AVENUE		

NOTE:  
ALL ELEVATIONS REPRESENT PROPOSED TOP OF THE FINAL SURFACE COURSE. ALL STATION AND OFFSET INFORMATION IS FROM THE CONSTRUCTION CENTERLINE OF SUNSET AVENUE.

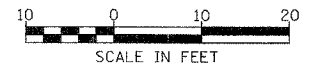
FOR CURB RAMP ON A CURVE THE LENGTH IS MEASURED AT THE OUTSIDE EDGE (FARTHEST FROM THE EDGE OF PAVEMENT) OF THE BITUMINOUS SHOULDER OR CONCRETE RAMP.




DATE	BY
PLAN	NOTE BOOK No.

DATE	BY
PROFILE	NOTE BOOK No.

**INTERSECTION DETAIL  
NORTHWESTERN AVENUE  
SOUTH**



REVISIONS	
NAME	DATE

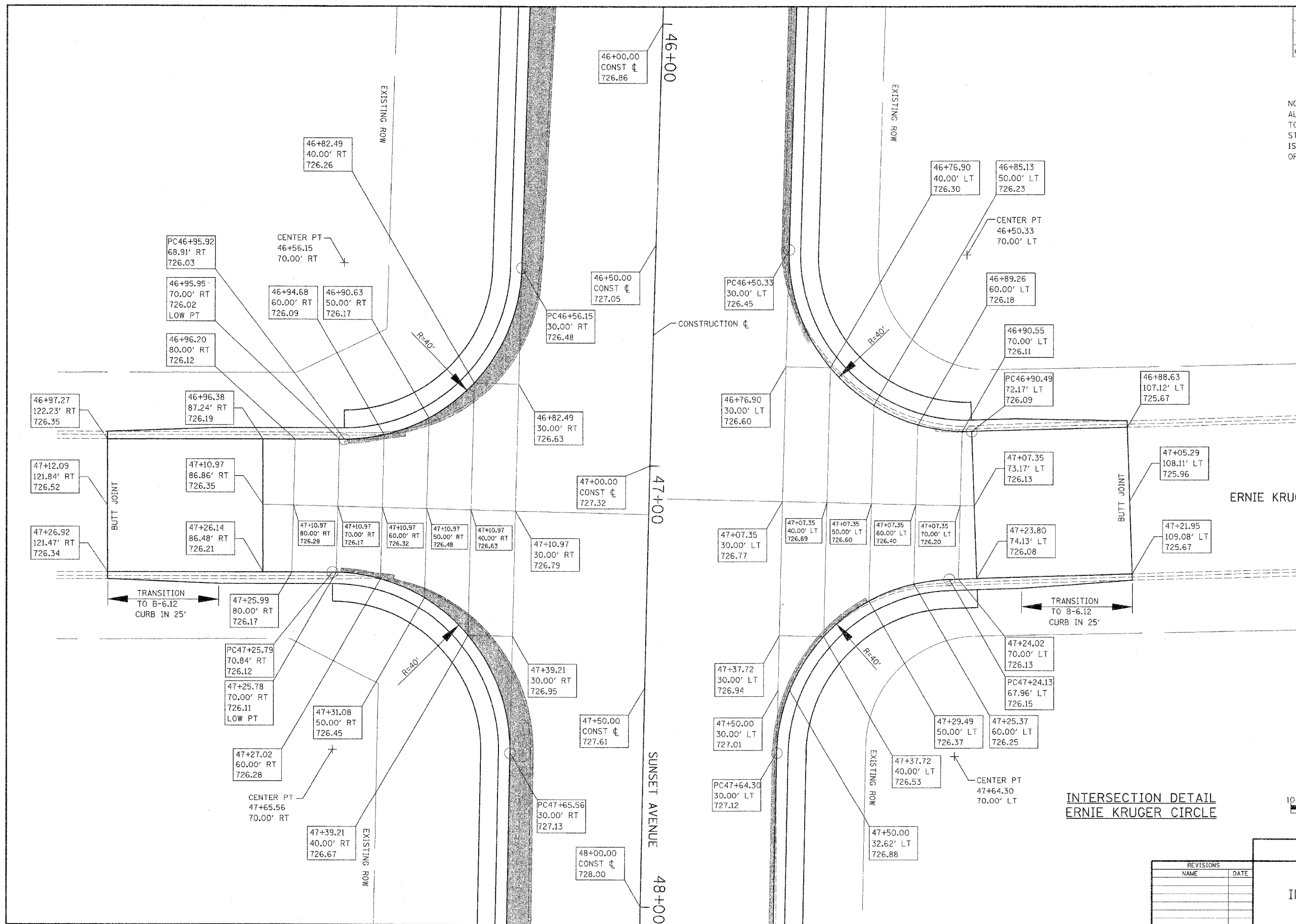
  
**Lake County**  
 Division of Transportation  
**SUNSET AVENUE**  
**INTERSECTION DETAIL**

F.A.D. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	64
CONSTRUCTION DETAIL				
CONTRACT NO. 83847		ILLINOIS	SUNSET AVENUE	

NOTE:  
ALL ELEVATIONS REPRESENT PROPOSED TOP OF THE FINAL SURFACE COURSE. ALL STATION AND OFFSET INFORMATION IS FROM THE CONSTRUCTION CENTERLINE OF SUNSET AVENUE.

DATE	BY	REVISION

DATE	BY	REVISION



INTERSECTION DETAIL  
ERNIE KRUGER CIRCLE

REVISIONS	NAME	DATE

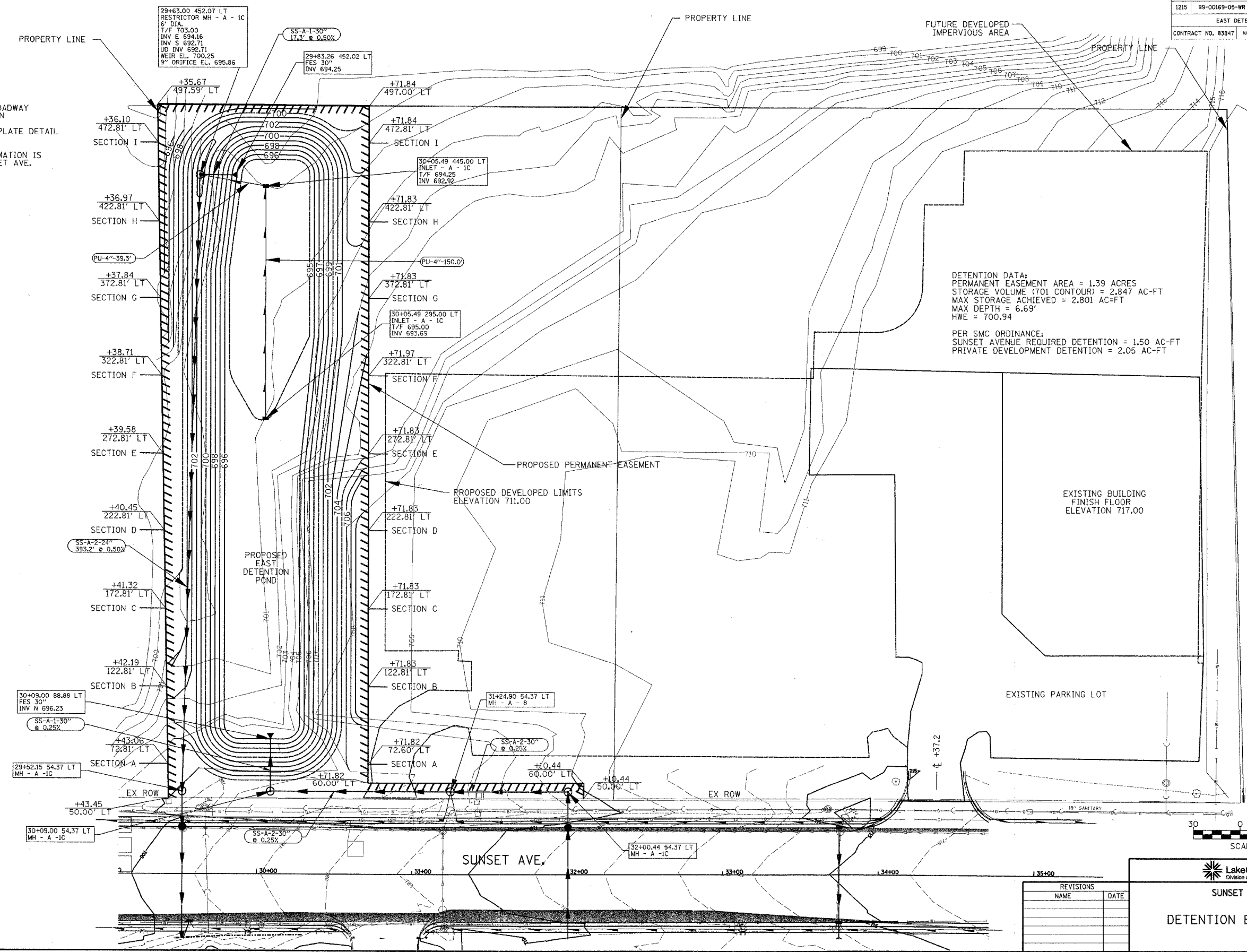
Lake County  
Division of Transportation

SUNSET AVENUE  
INTERSECTION DETAIL



FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	65
EAST DETENTION BASIN DETAIL				
CONTRACT NO. 83947		SUNSET AVENUE		

- NOTE:
- 1) SEE PLAN AND PROFILE SHEET STATIONS 24+00 - 36+00 FOR ROADWAY DRAINAGE STRUCTURE INFORMATION
  - 2) SEE MANHOLE WITH RESTRICTOR PLATE DETAIL SHEET FOR RESTRICTOR DETAILS
  - 3) ALL STATION AND OFFSET INFORMATION IS FROM CONSTRUCTION  $\pm$  OF SUNSET AVE.



DETENTION DATA:  
 PERMANENT EASEMENT AREA = 1.39 ACRES  
 STORAGE VOLUME (701 CONTOUR) = 2,847 AC-FT  
 MAX STORAGE ACHIEVED = 2,801 AC-FT  
 MAX DEPTH = 6.69'  
 HWE = 700.94

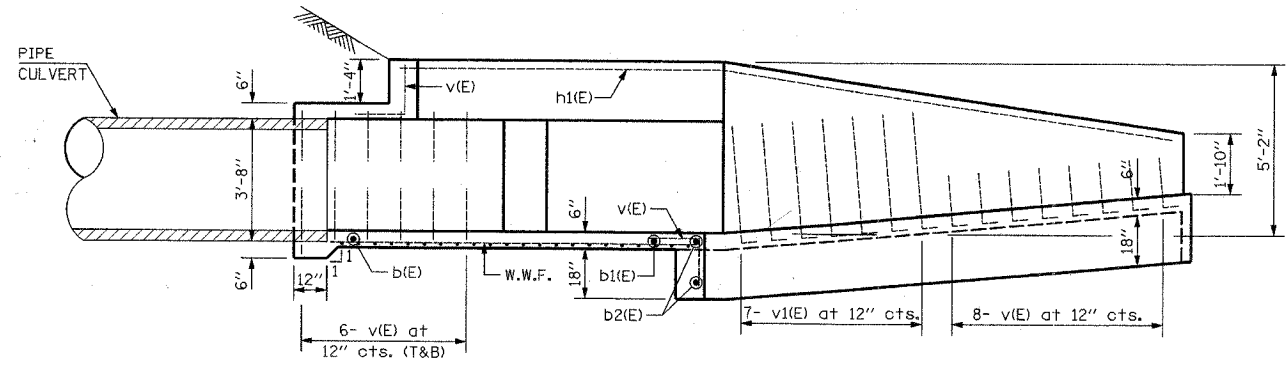
PER SMC ORDINANCE:  
 SUNSET AVENUE REQUIRED DETENTION = 1.50 AC-FT  
 PRIVATE DEVELOPMENT DETENTION = 2.05 AC-FT



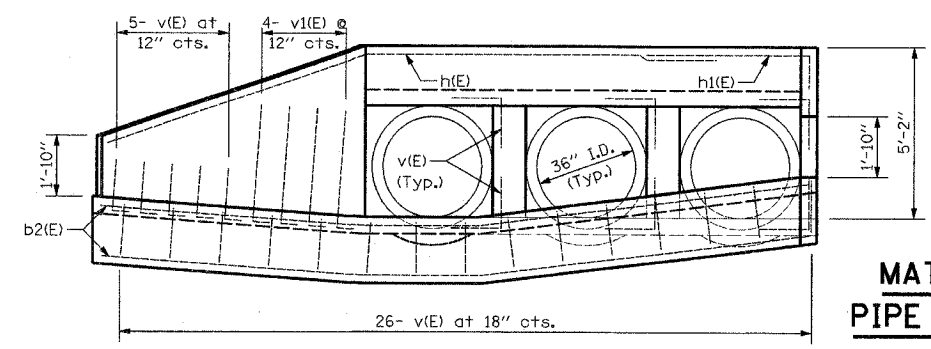
REVISIONS	
NAME	DATE

**SUNSET AVENUE**  
**DETENTION BASIN PLAN**

FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	66
PIPE CULVERT END SECTION DETAILS				
CONTRACT NO. 83847		ILLINOIS SUNSET AVENUE		



**SECTION A-A**



**END VIEW**

**MATERIAL REQUIRED FOR PIPE CULVERT END SECTION**

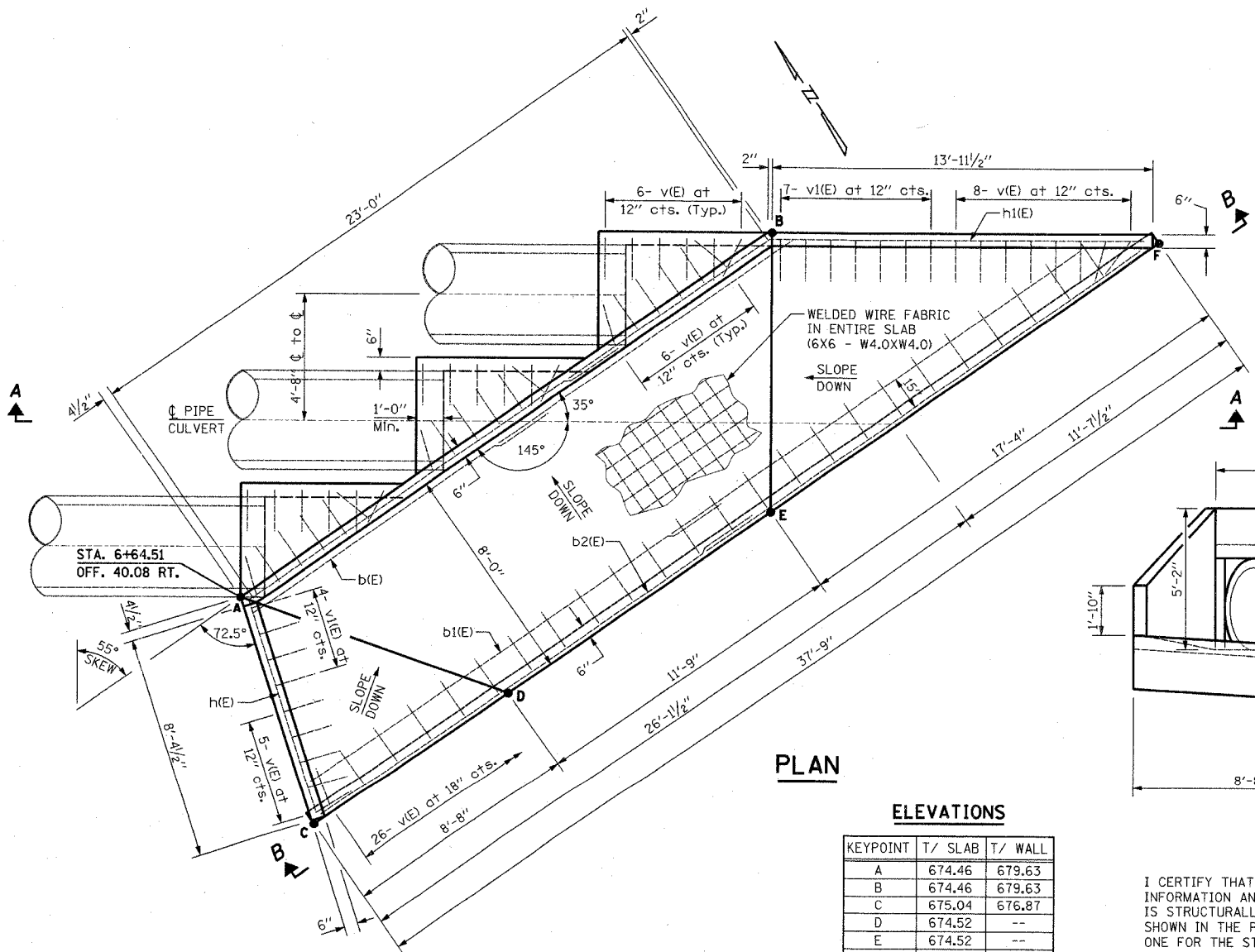
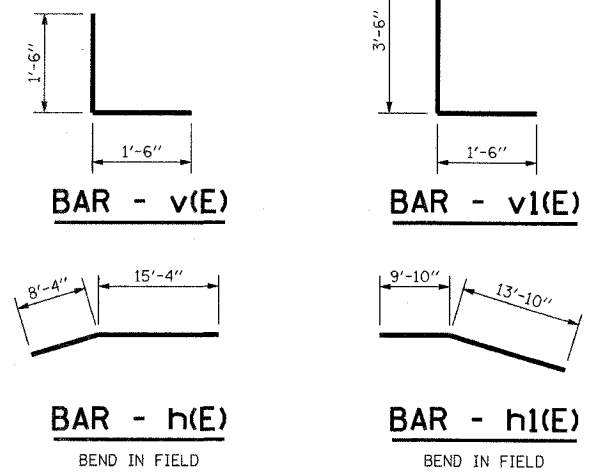
BAR	NO.	SIZE	LENGTH	SHAPE	
b(E)	2	#4	12'-6"	—	
b1(E)	2	#4	18'-10"	—	
b2(E)	4	#4	19'-8"	—	
h(E)	1	#4	23'-8"	—	
h1(E)	1	#4	23'-8"	—	
v(E)	93	#4	3'-0"	—	
v1(E)	11	#4	5'-0"	—	
REINFORCEMENT BARS, EPOXY COATED				POUND	350
WELDED WIRE FABRIC SQ. FT.					365
CONCRETE STRUCTURES CU. YD.					13
STRUCTURE EXCAVATION CU. YD.					60

QUANTITIES SHOWN ARE FOR INFORMATION ONLY. COST IS INCLUDED WITH "CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS".

**BILL OF MATERIAL**

DESCRIPTION	UNITS	QTY.
CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS	EACH	1

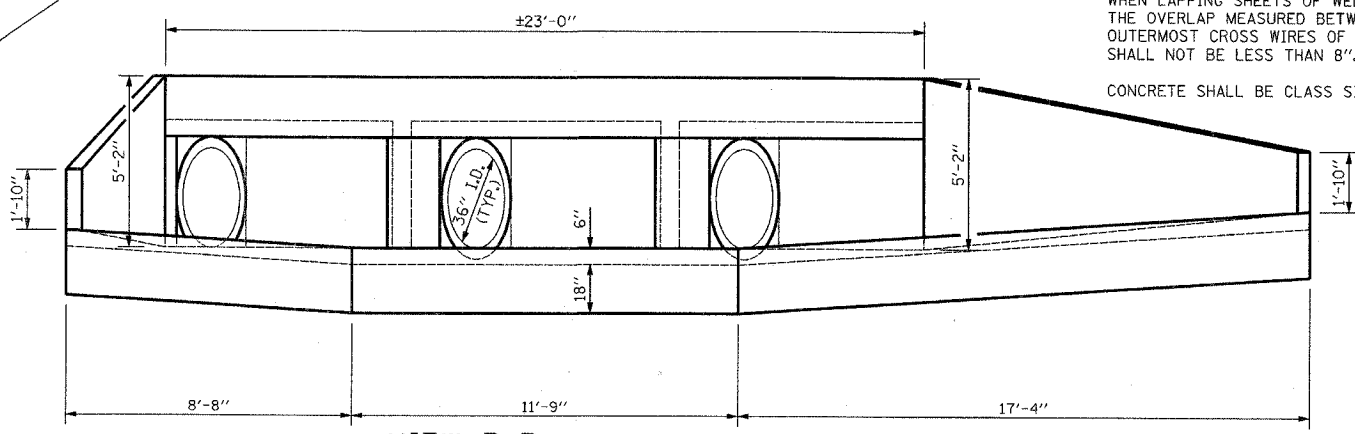
**NOTES:**  
 STRUCTURE NUMBER HAS BEEN ASSIGNED: 049-3000  
 REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.  
 WHEN LAPPING SHEETS OF WELDED WIRE FABRIC, THE OVERLAP MEASURED BETWEEN THE OUTERMOST CROSS WIRES OF EACH FABRIC SHEET SHALL NOT BE LESS THAN 8".  
 CONCRETE SHALL BE CLASS SI.



**PLAN**

**ELEVATIONS**

KEYPOINT	T/ SLAB	T/ WALL
A	674.46	679.63
B	674.46	679.63
C	675.04	676.87
D	674.52	--
E	674.52	--
F	675.68	677.51



**VIEW B-B**  
(REINF. OMITTED FOR CLARITY)

I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THIS BOX CULVERT DESIGN IS STRUCTURALLY ADEQUATE FOR THE DESIGN LOADING SHOWN IN THE PLANS. THE DESIGN IS AN ECONOMICAL ONE FOR THE STYLE OF STRUCTURE AND COMPLIES WITH REQUIREMENTS OF THE CURRENT 'AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES'."



William P. Murphy 11/10/07  
 EXP. 11/30/08 SHEETS 66-69

REVISIONS	
NAME	DATE



**SUNSET AVENUE  
 PIPE CULVERT  
 END SECTION  
 DETAILS**

PROFILE SCALE HORIZ. 1:50  
 VERT. 1:5

DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_

DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_

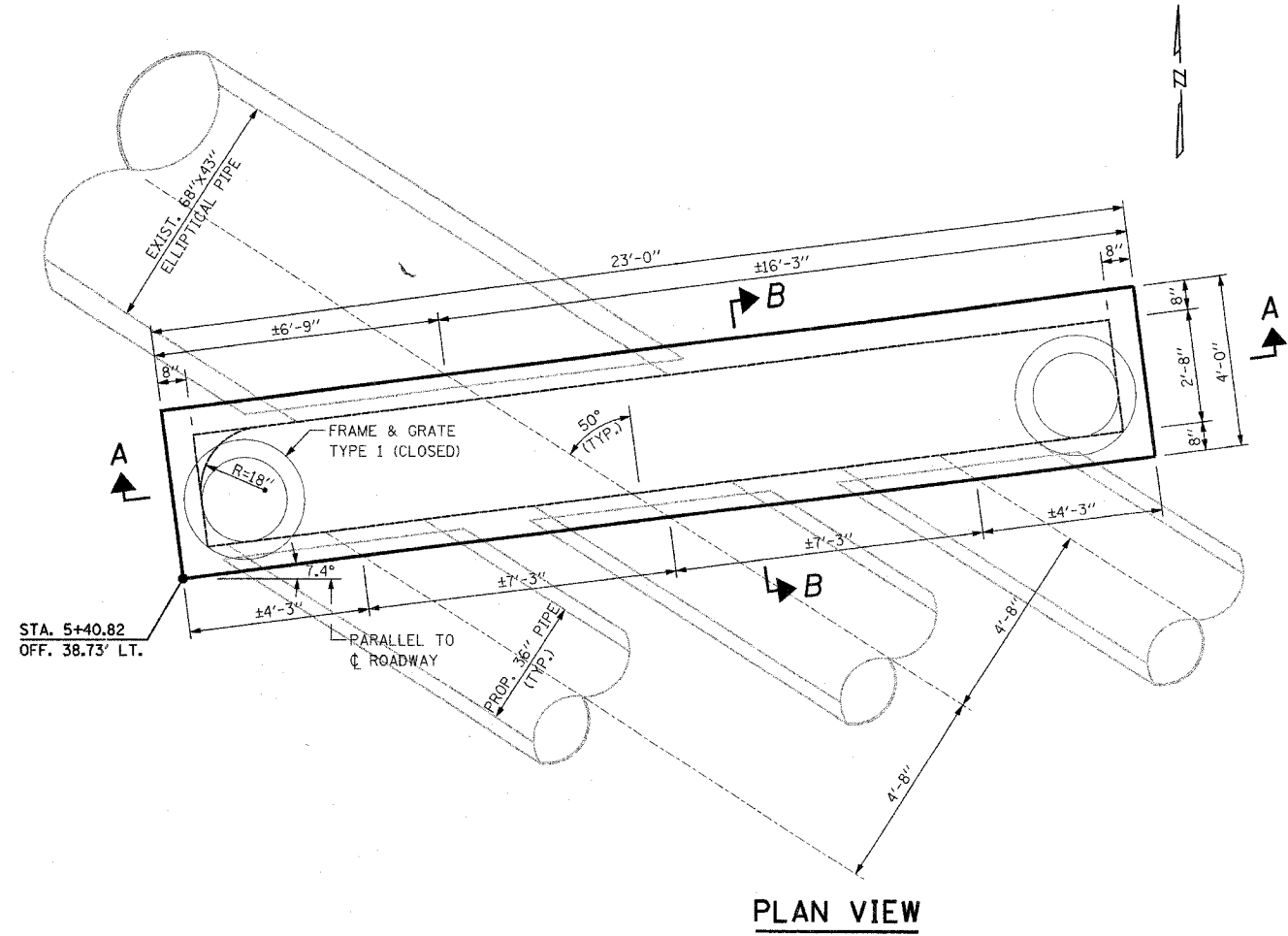
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
NO.	
DESCRIPTION	
DATE	
BY	
NO.	
DESCRIPTION	
DATE	
BY	
NO.	
DESCRIPTION	
DATE	
BY	
NO.	
DESCRIPTION	

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

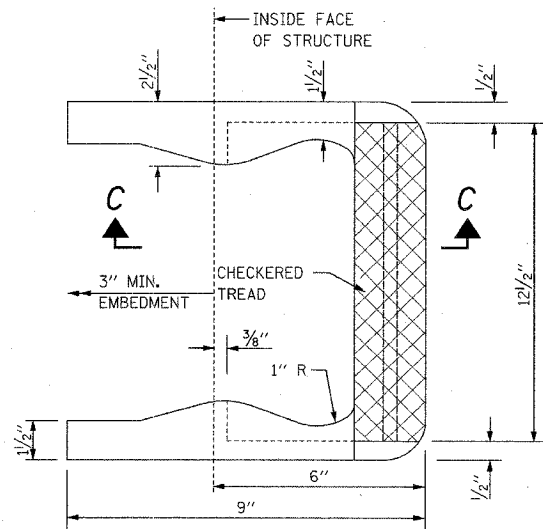
FILE ETC.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	67
JUNCTION CHAMBER DETAILS				
CONTRACT NO. 93847		ALIGNMENT		SUNSET AVENUE

**JUNCTION CHAMBER NOTES:**

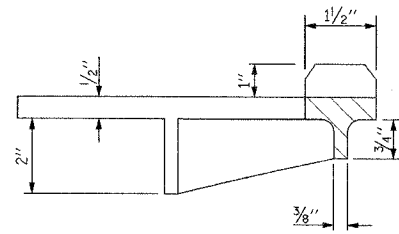
- A. GENERAL
  - 1. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE.
  - 2. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
  - 3. SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THESE STRUCTURAL NOTES, THE SPECIFICATIONS, OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN.
  - 4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS, ELEVATIONS, AND EXISTING CONDITIONS IN THE FIELD PRIOR TO ORDERING MATERIALS AND COMMENCING CONSTRUCTION.
  - 5. THE CONTRACTOR SHALL INSPECT THE SITE OF THE PROJECT AND FAMILIARIZE HIM/HERSELF WITH ALL EXISTING CONDITIONS, TRAFFIC AND OTHER ITEMS AND REQUIREMENTS THAT MAY AFFECT THE CONTRACT.
  - 6. LATEST EDITIONS OF ALL ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) CODES, DESIGN MANUALS AND STANDARD SPECIFICATIONS SHALL BE USED.
  - 7. POLLUTION CONTROL: THE CONTRACTOR IS REQUIRED TO COMPLY WITH THE LOCAL, STATE AND FEDERAL REGULATIONS REGARDING LAND, AIR, WATER AND NOISE POLLUTION.
  - 8. ALL CONSTRUCTION PERSONNEL ARE REQUIRED TO WEAR WARNING GARMENTS THAT COMPLY WITH ALL RELEVANT OSHA REQUIREMENTS AND THE FEDERAL HIGHWAY ADMINISTRATION'S (FHWA'S) CURRENT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AT ALL TIMES WHILE ON THE CONSTRUCTION SITE. COMPLIANCE WITH THIS REQUIREMENT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
  - 9. ANY ACCUMULATED DEBRIS WITHIN THE PROJECT, AS A RESULT OF THE IMPROVEMENT SHALL BE REMOVED AND DISPOSED OF SATISFACTORILY BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.
  - 10. THE CONTRACTOR'S ATTENTION IS CALLED TO THE SPECIAL PROVISION FOR COOPERATION WITH UTILITIES.
- B. REINFORCED CONCRETE
  - 1. MATERIALS:
    - A. CONCRETE:
      - CONCRETE SHALL CONFORM TO THE APPLICABLE PORTION OF SECTION 1020 OF THE IDOT STANDARD SPECIFICATIONS. EXPOSED CONCRETE SURFACES SHALL BE CHAMFERED 1/4" UNLESS OTHERWISE NOTED.
      - COARSE AGGREGATE IN THE CONCRETE SHALL MEET THE REQUIREMENTS AS SPECIFIED IN ARTICLE 1004.01 AND 1004.02 OF THE IDOT STANDARD SPECIFICATIONS. CERT IS NOT ALLOWED.
    - B. REINFORCING BARS:
      - ALL REINFORCING BARS SHALL BE EPOXY COATED.
      - ALL DEFORMED REINFORCING BARS SHALL COMPLY WITH ASTM A615, GRADE 60.
      - EPOXY COATED REINFORCING STEEL SHALL COMPLY WITH ASTM A775. REINFORCING BARS MAY NOT BE WELDED WITHOUT APPROVAL OF THE STRUCTURAL ENGINEER.
  - 2. SPLICES: UNLESS NOTED OTHERWISE, MINIMUM LAP SPLICE LENGTHS TO BE 60 BAR DIAMETERS.
  - 3. CONCRETE COVER UNLESS NOTED OTHERWISE:
    - A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH = 3 IN.
    - B. CONCRETE EXPOSED TO EARTH OR WEATHER = 2 IN.
- C. EARTHWORK:
  - 1. ALL EXCAVATIONS SHALL BE INSPECTED AND APPROVED BY A QUALIFIED REPRESENTATIVE OF THE OWNER PRIOR TO PLACING CONCRETE. EXCAVATIONS SHALL BE FREE OF WATER AT ALL TIMES. REPLACE SOFT OR WEAKENED SOIL WITH COMPACTED CA-6.
  - 2. NO ENGINEERED FILL SHALL BE PLACED UNTIL EXCAVATION BOTTOMS HAVE BEEN INSPECTED AND APPROVED BY THE FIELD REPRESENTATIVE.
  - 3. BACKFILLING:
    - A. NO FILL OR BACKFILL SHALL BE SETTLED BY THE USE OF WATER.
    - B. BOTH SIDES OF THE FOUNDATION WALL SHALL BE BACKFILLED SIMULTANEOUSLY SO AS TO PREVENT OVERTURNING OR LATERAL MOVEMENT OF THE WALLS.
- D. DESIGN LOADS
  - 1. JUNCTION CHAMBER:
    - LIVE LOAD: HS20
    - DEAD LOAD:
      - SOIL: 120 PCF
      - CONCRETE: 150 PCF
    - EARTH:
      - 40 PCF EQUIV. FLUID PRESSURE (FOR DEPTH OF FILL)
      - 50 PCF EQUIV. FLUID PRESSURE (FOR HEIGHT OF JUNCTION CHAMBER)



**PLAN VIEW**



**CAST IRON STEPS DETAIL**  
NOT TO SCALE



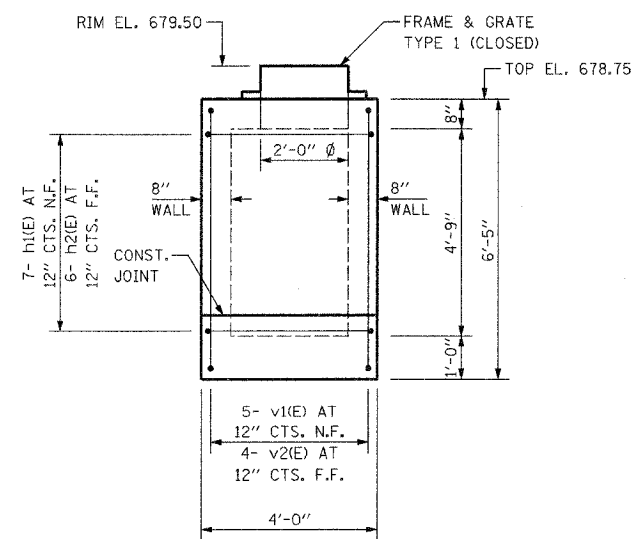
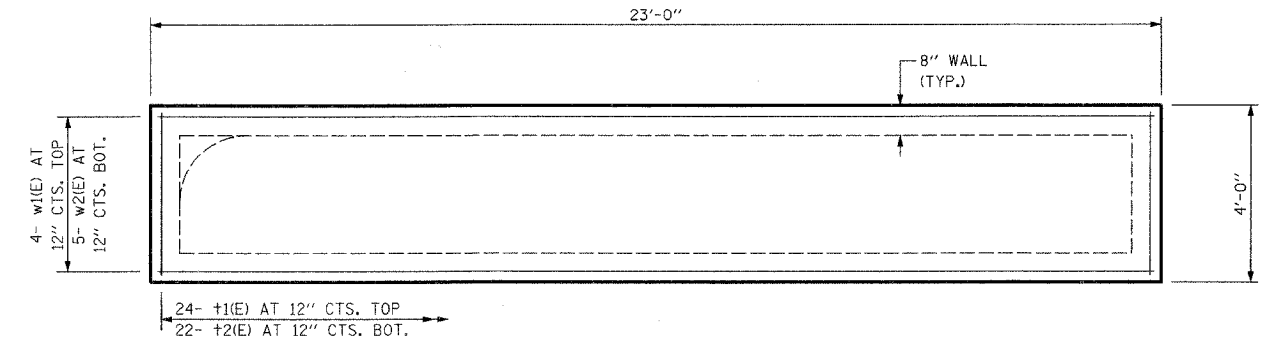
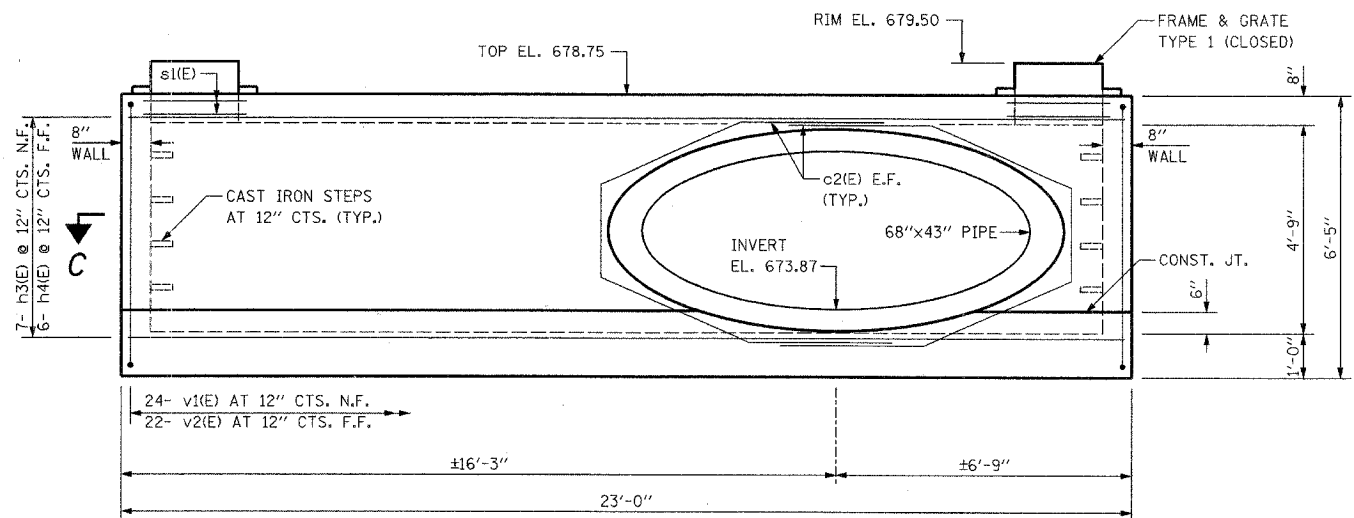
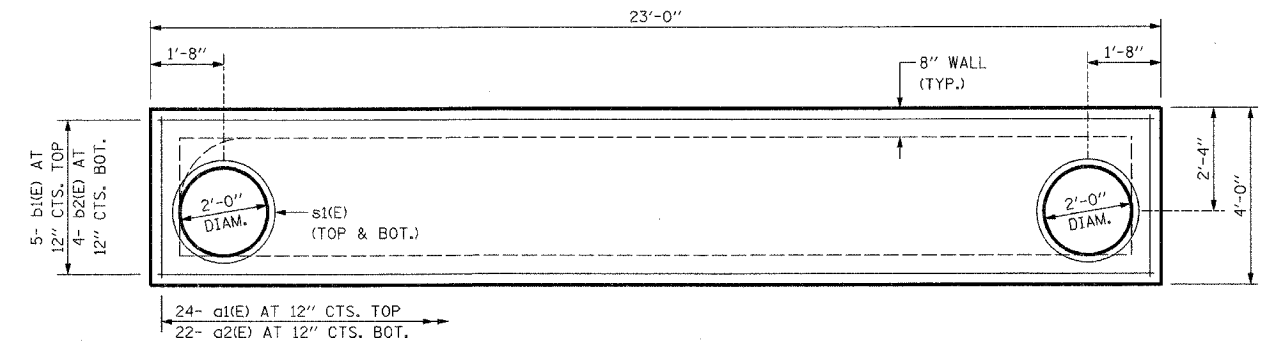
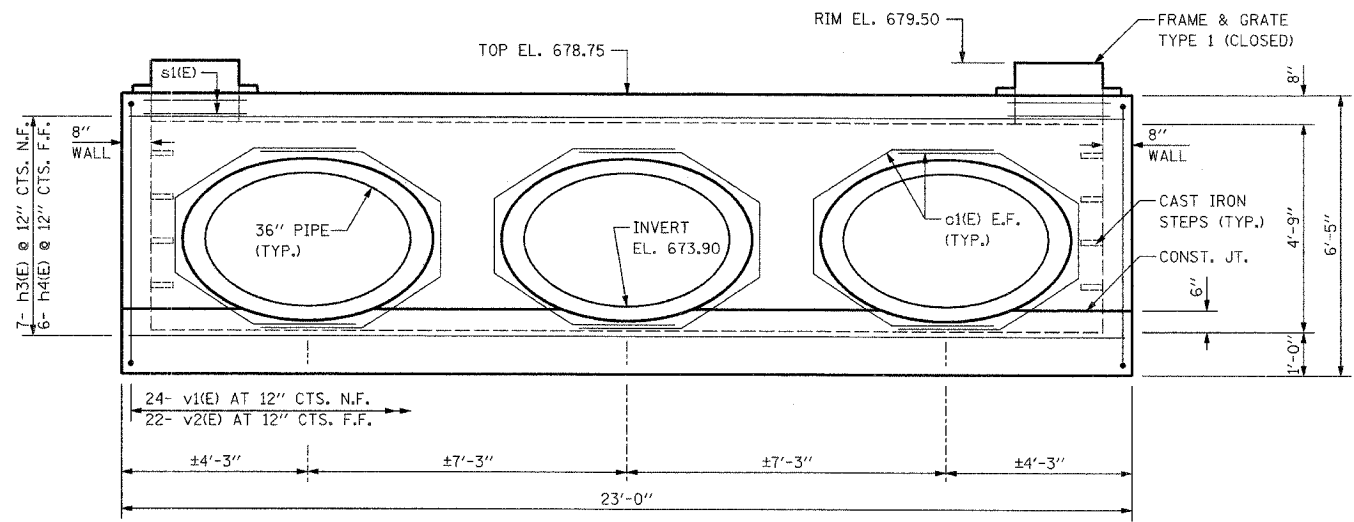
**SECTION C-C**  
NOT TO SCALE

REVISIONS	
NAME	DATE



SUNSET AVENUE  
JUNCTION CHAMBER  
DETAILS

FILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	68
JUNCTION CHAMBER DETAILS				
CONTRACT NO. 83847		SUNSET AVENUE		



**WEST WALL - ELEVATION VIEW**  
EAST WALL SIMILAR

DATE	
BY	
REVISIONS	
PLANNED	
NOTED	
NO.	

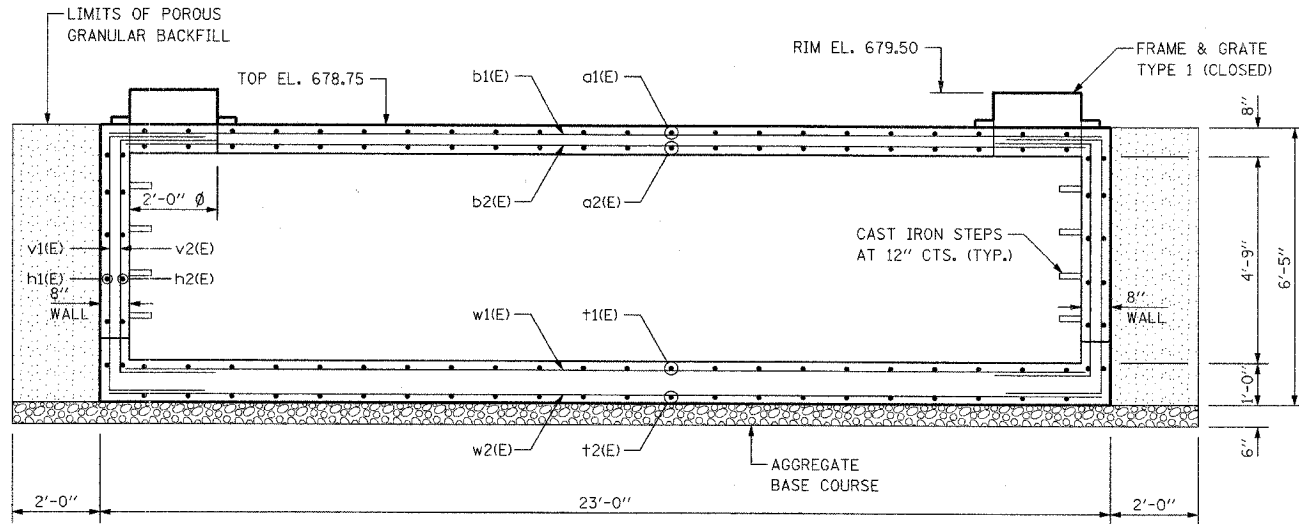
DATE	
BY	
REVISIONS	
PROFILING	
NOTED	
NO.	

REVISIONS	
NAME	DATE

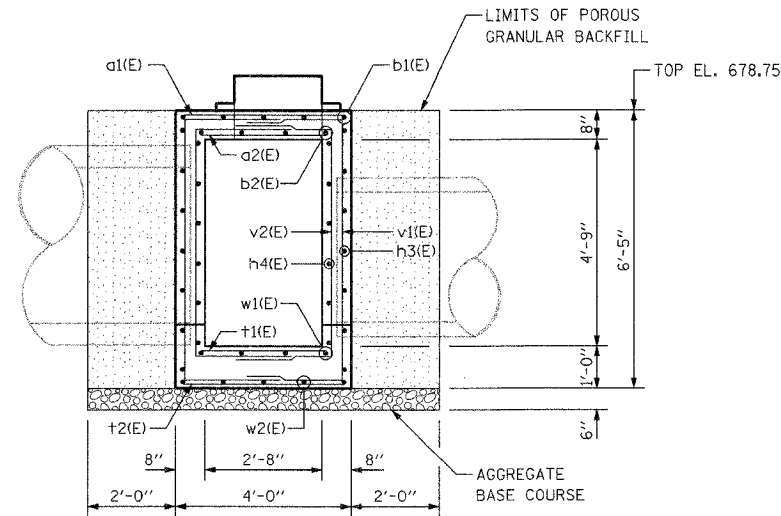
**Lake County**  
Division of Transportation

**SUNSET AVENUE**  
**JUNCTION CHAMBER**  
**DETAILS**

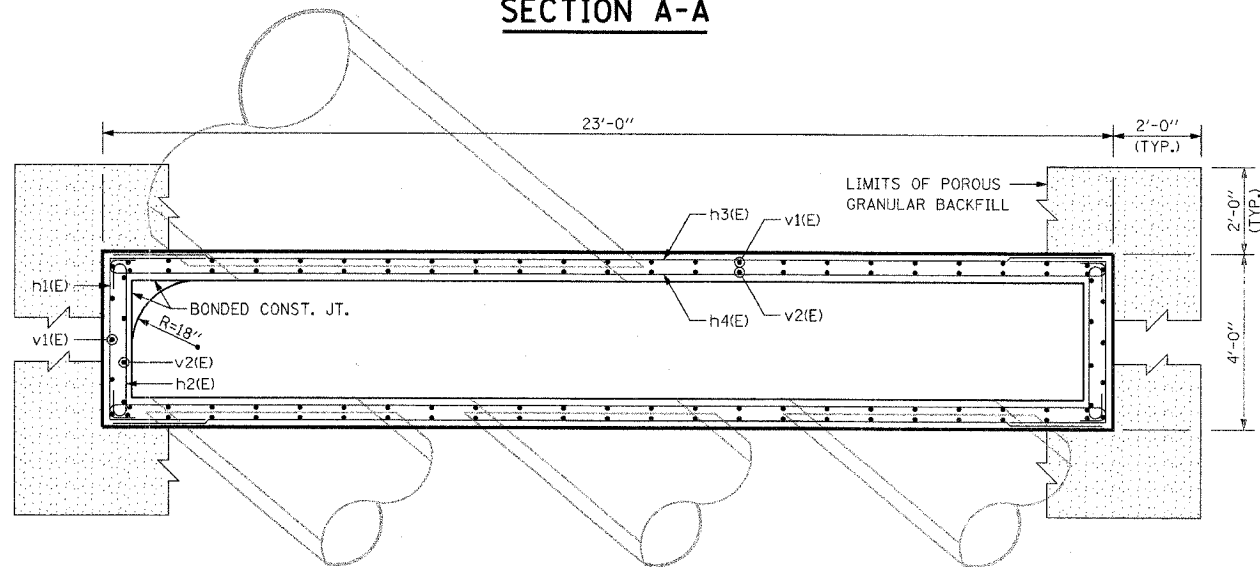
FILE #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	69
JUNCTION CHAMBER DETAILS				
CONTRACT NO. 83847		DISTRICT	SUNSET AVENUE	



**SECTION A-A**



**SECTION B-B**



**SECTION C-C**

**MATERIAL REQUIRED FOR JUNCTION CHAMBER**

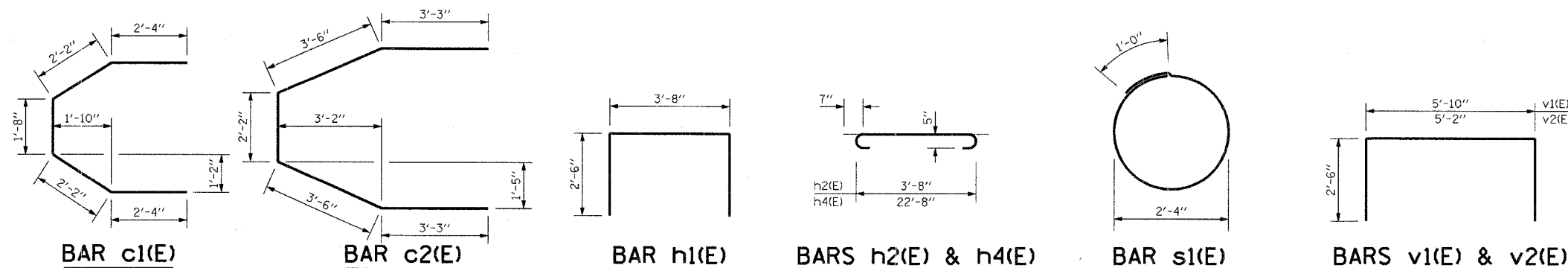
BAR	NO.	SIZE	LENGTH	SHAPE
a1(E)	24	#5	3'-8"	
a2(E)	22	#6	3'-2"	
b1(E)	5	#5	22'-8"	
b2(E)	4	#6	22'-0"	
c1(E)	12	#5	10'-8"	
c2(E)	4	#5	15'-8"	
h1(E)	14	#5	8'-8"	
h2(E)	12	#5	4'-10"	
h3(E)	14	#5	22'-8"	
h4(E)	12	#5	23'-10"	
s1(E)	4	#5	8'-4"	
t1(E)	24	#5	3'-2"	
t2(E)	22	#5	3'-8"	
v1(E)	58	#5	10'-10"	
v2(E)	52	#5	10'-2"	
w1(E)	4	#5	22'-0"	
w2(E)	5	#5	22'-8"	
REINFORCEMENT BARS, EPOXY COATED	POUND		3080	
CONCRETE STRUCTURES	CU. YD.		12	
POROUS GRANULAR BACKFILL	CU. YD.		30	
STRUCTURE EXCAVATION	CU. YD.		71	
FRAME & LID	EACH		2	
AGGREGATE BASE COURSE	CU. YD.		5	
CAST IRON STEPS	EACH		8	

QUANTITIES SHOWN ARE FOR INFORMATION ONLY. COST IS INCLUDED WITH "JUNCTION CHAMBER".

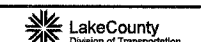
**BILL OF MATERIAL**

DESCRIPTION	UNITS	QTY.
JUNCTION CHAMBER	EACH	1

**NOTES:**  
 REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.  
 CUT REINFORCEMENT BARS TO FIT AROUND PIPE AND MANHOLE OPENINGS.

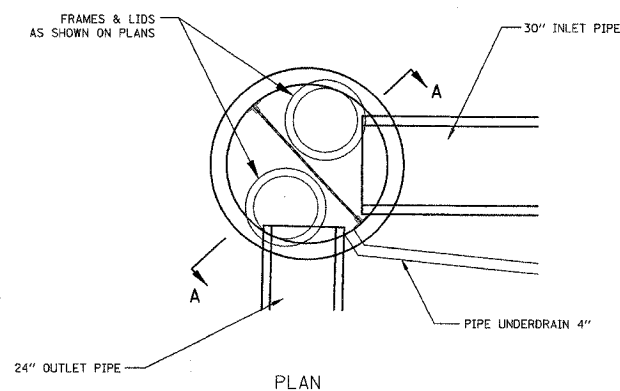


REVISIONS	NAME	DATE

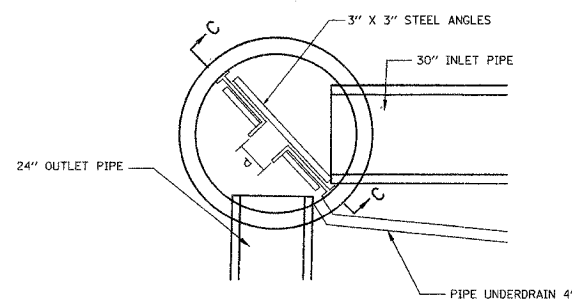


SUNSET AVENUE  
 JUNCTION CHAMBER  
 DETAILS

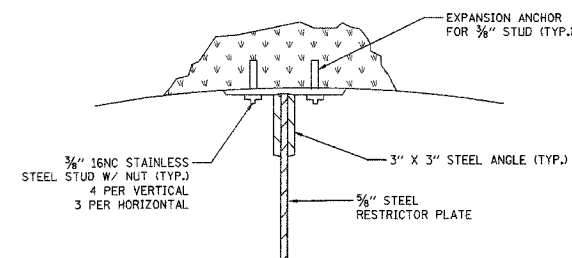
FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	70
CONSTRUCTION DETAIL				
CONTRACT NO. 83847		ILLINOIS	SUNSET AVENUE	



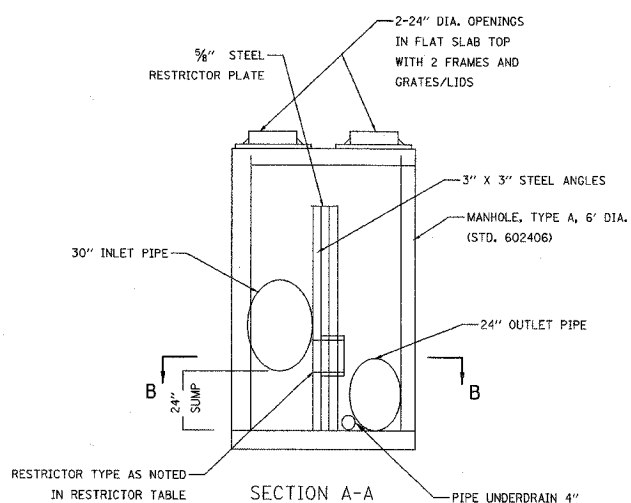
PLAN



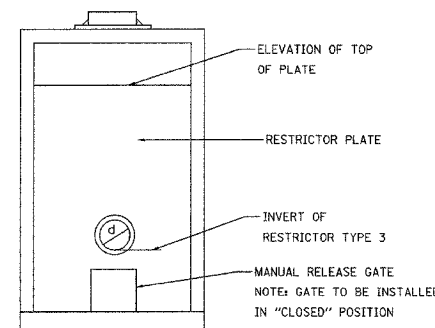
SECTION B-B  
FLOOR PLAN



ANGLE FASTENER DETAIL

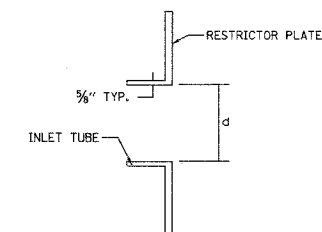


SECTION A-A



SECTION C-C

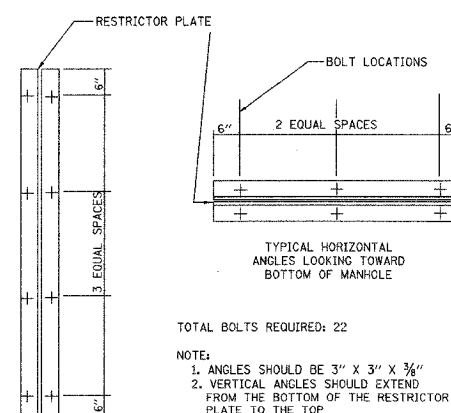
- NOTES:
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION
  2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
  3. BASIS OF PAYMENT: "MANHOLES, TYPE A, 6" - DIAMETER, TYPE I FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



INLET TUBE DETAIL

STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER MM (IN.) (d)	INVERT OF RESTRICTOR	ELEVATION OF TOP OF PLATE OVERFLOW
29+63.00	6'	TYPE 1/C	3	9.0"	695.86	700.25

RESTRICTOR PLATE DATA



TYPICAL VERTICAL ANGLES LOOKING TOWARD MANHOLE WALL

STEEL ANGLE BOLTING DETAILS

1	2	3	4	5	6
RE-ENTRANT TUBE	SHARP EDGES	SQUARE EDGED	RE-ENTRANT TUBE	SQUARE EDGED	ROUNDED
LENGTH TO 1 DIA. C=.52	C=.61	STREAM CLEARS SIDES C=.61	LENGTH 2-1/2 DIA. C=.73	LENGTH 2-1/2 DIA. C=.82	C=.98

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

6' DIAMETER MANHOLE WITH RESTRICTOR PLATE DETAIL

REVISIONS	
NAME	DATE



SUNSET AVENUE  
CONSTRUCTION DETAIL



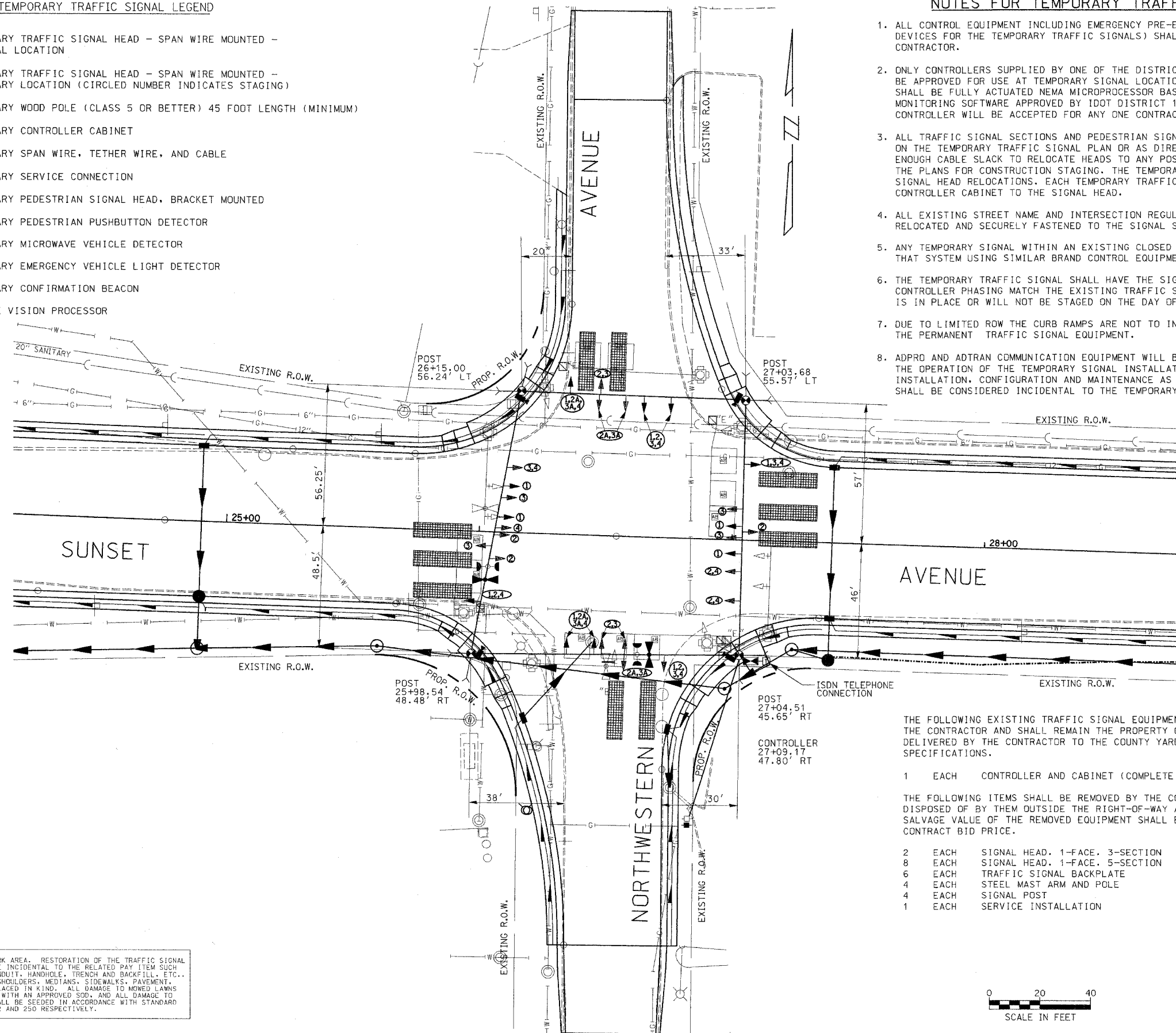
TEMPORARY TRAFFIC SIGNAL LEGEND

- ▲ TEMPORARY TRAFFIC SIGNAL HEAD - SPAN WIRE MOUNTED - ORIGINAL LOCATION
- ②▲ TEMPORARY TRAFFIC SIGNAL HEAD - SPAN WIRE MOUNTED - SECONDARY LOCATION (CIRCLED NUMBER INDICATES STAGING)
- ⊙ TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT LENGTH (MINIMUM)
- ⊠ TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- ⊕ TEMPORARY SERVICE CONNECTION
- TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED
- ⊙ TEMPORARY PEDESTRIAN PUSHBUTTON DETECTOR
- ▼ TEMPORARY MICROWAVE VEHICLE DETECTOR
- ⊠ TEMPORARY EMERGENCY VEHICLE LIGHT DETECTOR
- ⊠ TEMPORARY CONFIRMATION BEACON
- MACHINE VISION PROCESSOR

NOTES FOR TEMPORARY TRAFFIC SIGNALS

CALL AVE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	71
TRAFFIC SIGNAL PLAN				
CONTRACT NO. 83847		ILLINOIS	SUNSET AVENUE	

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNALS) SHALL BE FURNISHED BY THE CONTRACTOR.
2. 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 TSI OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12" HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. 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 CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES. RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. 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.
7. DUE TO LIMITED ROW THE CURB RAMP ARE NOT TO INSTALLED PRIOR TO INSTALLATION AND ACTIVATION OF THE PERMANENT TRAFFIC SIGNAL EQUIPMENT.
8. ADPRO AND ADTRAN COMMUNICATION EQUIPMENT WILL BE PROVIDED BY LCDOT TO BE UTILIZED THROUGHOUT THE OPERATION OF THE TEMPORARY SIGNAL INSTALLATION. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION, CONFIGURATION AND MAINTENANCE AS PART OF THE TEMPORARY SIGNAL INSTALLATION, AND SHALL BE CONSIDERED INCIDENTAL TO THE TEMPORARY TRAFFIC SIGNAL INSTALL.



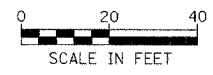
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE LCDOT AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE COUNTY YARD PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- 1 EACH CONTROLLER AND CABINET (COMPLETE)

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

- 2 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 8 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 6 EACH TRAFFIC SIGNAL BACKPLATE
- 4 EACH STEEL MAST ARM AND POLE
- 4 EACH SIGNAL POST
- 1 EACH SERVICE INSTALLATION

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.. 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 UNKNOWN FIELDS SHALL BE SEEDD IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

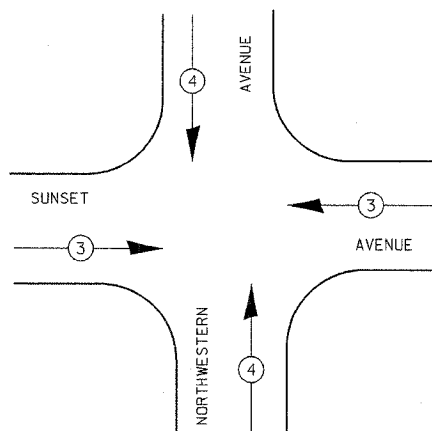


REVISIONS	
NAME	DATE

**TEMPORARY TRAFFIC SIGNAL  
INSTALLATION AND REMOVE EXISTING  
TRAFFIC SIGNAL EQUIPMENT**  
 SUNSET AVENUE AND NORTHWESTERN AVENUE

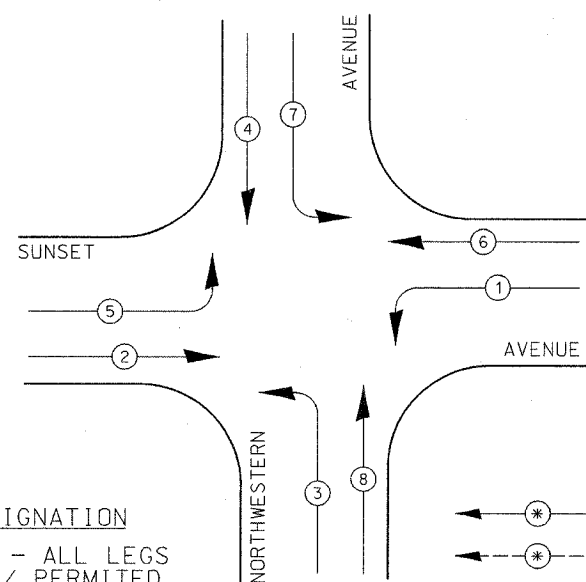
FILE #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1215	99-00169-05-WR	LAKE	153	72
TRAFFIC SIGNAL PLAN				
CONTRACT NO. 83847		ALWAYS	SUNSET AVENUE	

### EMERGENCY VEHICLE PREMPTION SEQUENCE

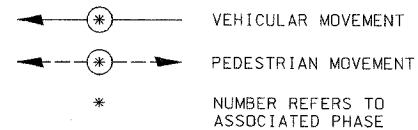


PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	← →	↓ ↑

### CONTROLLER SEQUENCE



**PHASE DESIGNATION**  
 DUAL ENTRY - ALL LEGS PROTECTED / PERMITTED LEFT TURNS ON ALL LEGS.



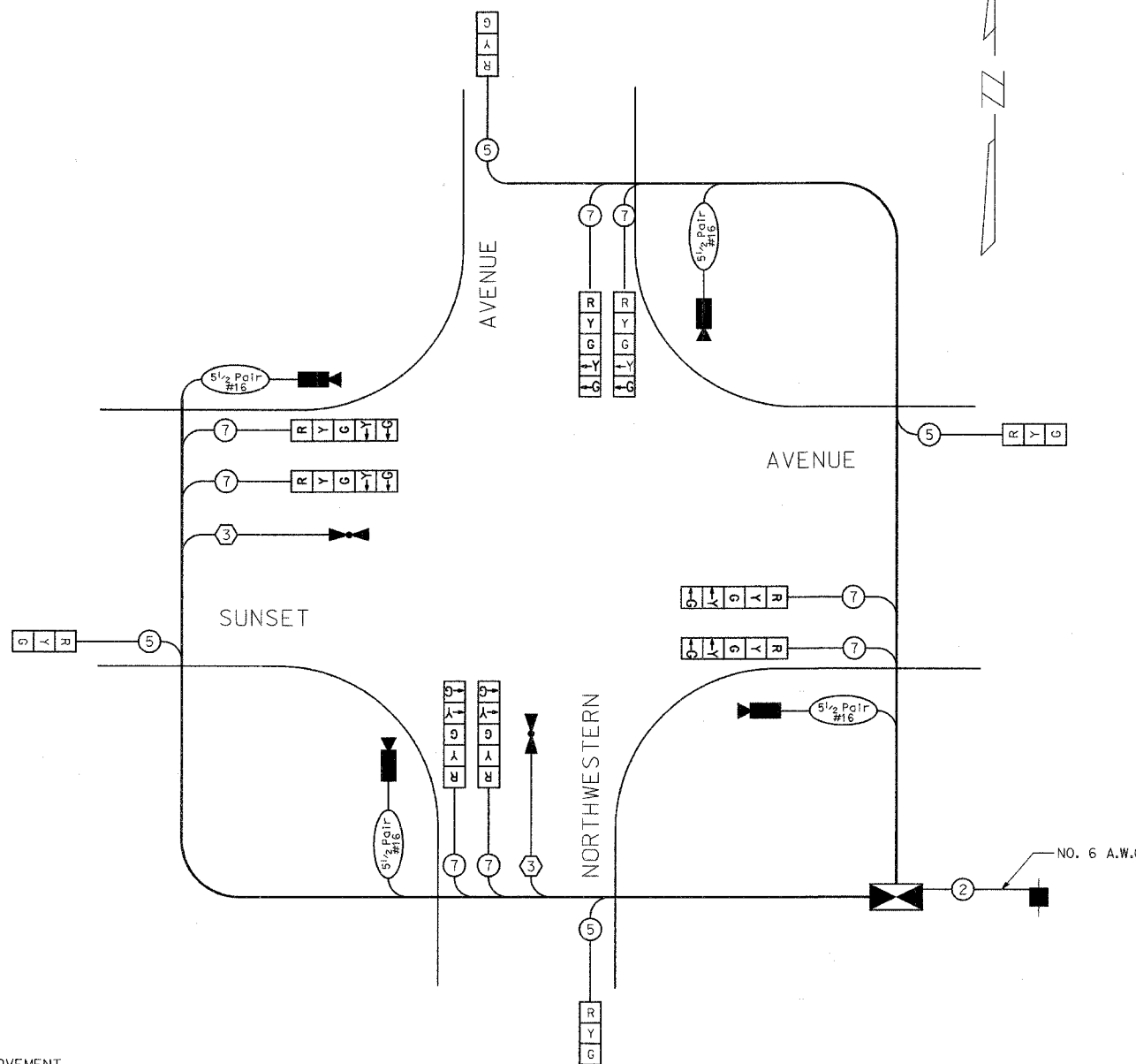
TEMPORARY PHASE DESIGNATION DIAGRAM

### TEMPORARY CABLE DIAGRAM LEGEND

- ⊕ PROPOSED CABLE NUMBER, NO. 14 OR AS SHOWN ON THE CABLE DIAGRAM (\*=CABLE NUMBER)
- ⊖ Y TEMPORARY LEFT TURN YELLOW
- ⊖ G TEMPORARY LEFT TURN GREEN
- TEMPORARY SIGNAL SECTION 12 INCH
- ⊠ TEMPORARY WALK/DON'T WALK SECTION
- ⊠ TEMPORARY CONTROLLER CABINET
- TEMPORARY SERVICE INSTALLATION
- ⊙ TEMPORARY PUSHBUTTON DETECTOR
- ⊠ TEMPORARY EMERGENCY VEHICLE LIGHT DETECTOR
- ⊠ TEMPORARY CONFIRMATION BEACON
- ▶ TEMPORARY MICROWAVE VEHICLE DETECTOR
- TEMPORARY MACHINE VISION PROCESSOR

### SIGNAL LENSES

- R RED
- Y YELLOW
- G GREEN
- Y YELLOW TURN INDICATOR
- G GREEN TURN INDICATOR



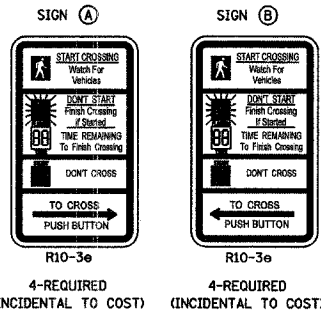
### TEMPORARY CABLE PLAN

NOT TO SCALE

REVISIONS	
NAME	DATE

**TEMPORARY CABLE PLAN AND TEMPORARY PHASE DESIGNATION DIAGRAM**  
 SUNSET AVENUE AND NORTHWESTERN AVENUE  
 N.T.S.

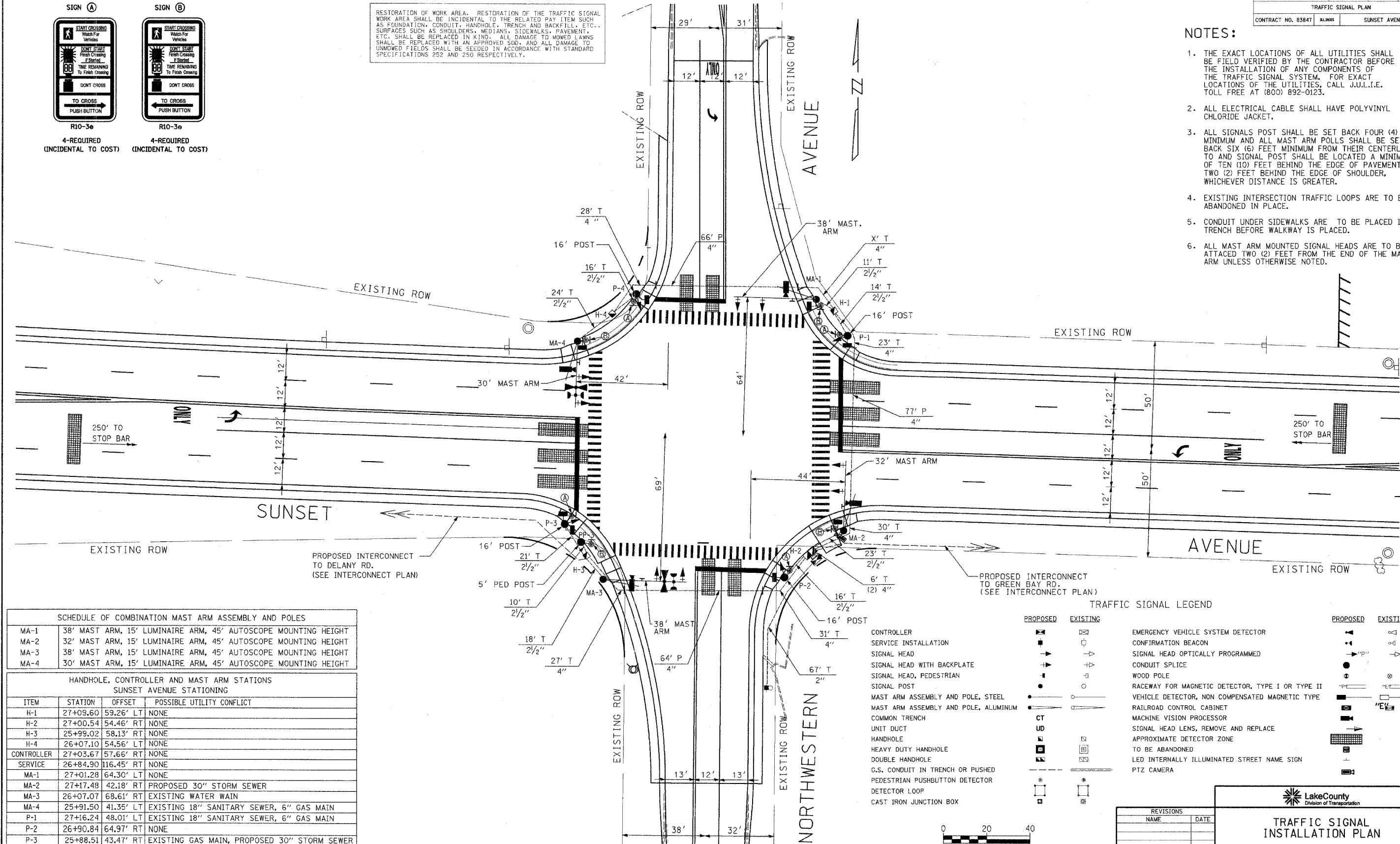
FILE #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1215	99-00169-05-WR	LAKE	153	73
TRAFFIC SIGNAL PLAN				
CONTRACT NO. 83847		ILLINOIS	SUNSET AVENUE	



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... SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOG. AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

**NOTES:**

1. THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR EXACT LOCATIONS OF THE UTILITIES, CALL J.U.L.I.E. TOLL FREE AT (800) 892-0123.
2. ALL ELECTRICAL CABLE SHALL HAVE POLYVINYL CHLORIDE JACKET.
3. ALL SIGNALS POST SHALL BE SET BACK FOUR (4) FEET MINIMUM AND ALL MAST ARM POLLS SHALL BE SET BACK SIX (6) FEET MINIMUM FROM THEIR CENTERLINE TO AND SIGNAL POST SHALL BE LOCATED A MINIMUM OF TEN (10) FEET BEHIND THE EDGE OF PAVEMENT OR TWO (2) FEET BEHIND THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER.
4. EXISTING INTERSECTION TRAFFIC LOOPS ARE TO BE ABANDONED IN PLACE.
5. CONDUIT UNDER SIDEWALKS ARE TO BE PLACED IN TRENCH BEFORE WALKWAY IS PLACED.
6. ALL MAST ARM MOUNTED SIGNAL HEADS ARE TO BE ATTACHED TWO (2) FEET FROM THE END OF THE MAST ARM UNLESS OTHERWISE NOTED.



SCHEDULE OF COMBINATION MAST ARM ASSEMBLY AND POLES

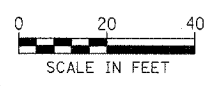
MA-1	38' MAST ARM, 15' LUMINAIRE ARM, 45' AUTOSCOPE MOUNTING HEIGHT
MA-2	32' MAST ARM, 15' LUMINAIRE ARM, 45' AUTOSCOPE MOUNTING HEIGHT
MA-3	38' MAST ARM, 15' LUMINAIRE ARM, 45' AUTOSCOPE MOUNTING HEIGHT
MA-4	30' MAST ARM, 15' LUMINAIRE ARM, 45' AUTOSCOPE MOUNTING HEIGHT

HANDHOLE, CONTROLLER AND MAST ARM STATIONS  
SUNSET AVENUE STATIONING

ITEM	STATION	OFFSET	POSSIBLE UTILITY CONFLICT
H-1	27+09.60	59.26' LT	NONE
H-2	27+00.54	54.46' RT	NONE
H-3	25+99.02	58.13' RT	NONE
H-4	26+07.10	54.56' LT	NONE
CONTROLLER	27+03.67	57.66' RT	NONE
SERVICE	26+84.90	116.45' RT	NONE
MA-1	27+01.28	64.30' LT	NONE
MA-2	27+17.48	42.18' RT	PROPOSED 30" STORM SEWER
MA-3	26+07.07	68.61' RT	EXISTING WATER MAIN
MA-4	25+91.50	41.35' LT	EXISTING 18" SANITARY SEWER, 6" GAS MAIN
P-1	27+16.24	48.01' LT	EXISTING 18" SANITARY SEWER, 6" GAS MAIN
P-2	26+90.84	64.97' RT	NONE
P-3	25+88.51	43.47' RT	EXISTING GAS MAIN, PROPOSED 30" STORM SEWER
P-4	26+17.92	63.93' LT	EXISTING 4" GAS MAIN
PP-3	25+96.30	51.51' RT	PROPOSED 30" STORM SEWER

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING		PROPOSED	EXISTING
CONTROLLER	[Symbol]	[Symbol]	EMERGENCY VEHICLE SYSTEM DETECTOR	[Symbol]	[Symbol]
SERVICE INSTALLATION	[Symbol]	[Symbol]	CONFIRMATION BEACON	[Symbol]	[Symbol]
SIGNAL HEAD	[Symbol]	[Symbol]	SIGNAL HEAD OPTICALLY PROGRAMMED	[Symbol]	[Symbol]
SIGNAL HEAD WITH BACKPLATE	[Symbol]	[Symbol]	CONDUIT SPLICE	[Symbol]	[Symbol]
SIGNAL HEAD, PEDESTRIAN	[Symbol]	[Symbol]	WOOD POLE	[Symbol]	[Symbol]
SIGNAL POST	[Symbol]	[Symbol]	RAVEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	[Symbol]	[Symbol]
MAST ARM ASSEMBLY AND POLE, STEEL	[Symbol]	[Symbol]	VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	[Symbol]	[Symbol]
MAST ARM ASSEMBLY AND POLE, ALUMINUM	[Symbol]	[Symbol]	RAILROAD CONTROL CABINET	[Symbol]	[Symbol]
COMMON TRENCH	[Symbol]	[Symbol]	MACHINE VISION PROCESSOR	[Symbol]	[Symbol]
UNIT DUCT	[Symbol]	[Symbol]	SIGNAL HEAD LENS, REMOVE AND REPLACE	[Symbol]	[Symbol]
HANDHOLE	[Symbol]	[Symbol]	APPROXIMATE DETECTOR ZONE	[Symbol]	[Symbol]
HEAVY DUTY HANDHOLE	[Symbol]	[Symbol]	TO BE ABANDONED	[Symbol]	[Symbol]
DOUBLE HANDHOLE	[Symbol]	[Symbol]	LED INTERNALLY ILLUMINATED STREET NAME SIGN	[Symbol]	[Symbol]
G.S. CONDUIT IN TRENCH OR PUSHED	[Symbol]	[Symbol]	PTZ CAMERA	[Symbol]	[Symbol]
PEDESTRIAN PUSHBUTTON DETECTOR	[Symbol]	[Symbol]			
DETECTOR LOOP	[Symbol]	[Symbol]			
CAST IRON JUNCTION BOX	[Symbol]	[Symbol]			



REVISIONS

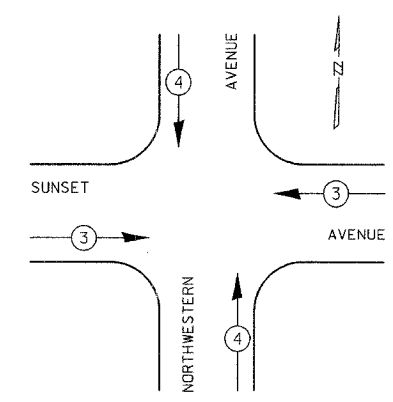
NAME	DATE

**TRAFFIC SIGNAL INSTALLATION PLAN**  
 SUNSET AVENUE AND NORTHWESTERN AVENUE  
 1" = 20'

FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	74
TRAFFIC SIGNAL PLAN				
CONTRACT NO. 83847		ALWAYS	SUNSET AVENUE	

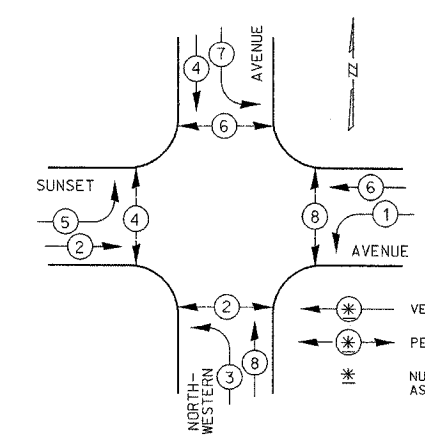
SCHEDULE OF TRAFFIC SIGNAL QUANTITIES

PAY CODE	DESCRIPTION	UNIT	QTY
81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	5110
81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	153
81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	175
81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	168
81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	207
81400100	HANDHOLE	EACH	13
81400300	DOUBLE HANDHOLE	EACH	1
81602010	UNIT DUCT, WITHOUT CABLE, IN TRENCH 1"	FOOT	12
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
86400100	TRANSCIEVER - FIBER OPTIC	EACH	2
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 2C	FOOT	1292
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 3C	FOOT	2862
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5C	FOOT	849
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 7C	FOOT	1629
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	90
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH	4
87600100	PEDESTRIAN PUSH-BUTTON POST, TYPE I	EACH	1
87704080	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT. (SPECIAL)	EACH	2
87704090	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT. (SPECIAL)	EACH	1
87704120	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT. (SPECIAL)	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	60
87900200	DRILL EXISTING HANDHOLE	EACH	1
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED, WITH COUNTDOWN TIMER	EACH	8
88200110	TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	8
88600600	DETECTOR LOOP REPLACEMENT	FOOT	72
88700200	LIGHT DETECTOR	EACH	2
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
88800100	PEDESTRIAN PUSH-BUTTON	EACH	8
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	258
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	10
89502380	REMOVE EXISTING HANDHOLE	EACH	4
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
XX003553	VIDEO TRANSMISSION SYSTEM	EACH	2
XX003582	ELECTRIC CABLE IN CONDUIT, NO. 20 3/C	FOOT	558
XX003660	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM24F SM12F	FOOT	6074
XX003661	ELECTRIC CABLE IN CONDUIT, COAXIAL	FOOT	446
XX004804	CONDUIT IN TRENCH, TRANSITION	EACH	1
XX005940	REMOTE CONTROLLED VIDEO SYSTEM	EACH	2
XX005922	ELECTRIC CABLE IN CONDUIT COMMUNICATION NO 16 5-1/2 PAIR	FOOT	868
XX005937	LED INTERNALLY ILLUMINATED STREET NAME SIGNS	EACH	4
XX006025	INTERSECTION MONITOR MODULE	EACH	1
XX006027	VIDEO DETECTION SYSTEM (COMPLETE INTERSECTION)	EACH	1
X0300739	UNINTERRUPTIBLE POWER SUPPLY	EACH	1
X0322966	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 2C	FOOT	5678
X0324603	CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING TSC CABINET	EACH	1
X0329863	INTERCEPT EXISTING CONDUIT	EACH	1
X8050015	SERVICE INSTALLATION - POLE MOUNTED	EACH	1
X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6, 1C	FOOT	669



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	←	↑

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PHASE DESIGNATION  
CONTROLLER SEQUENCE

CABLE PLAN LEGEND

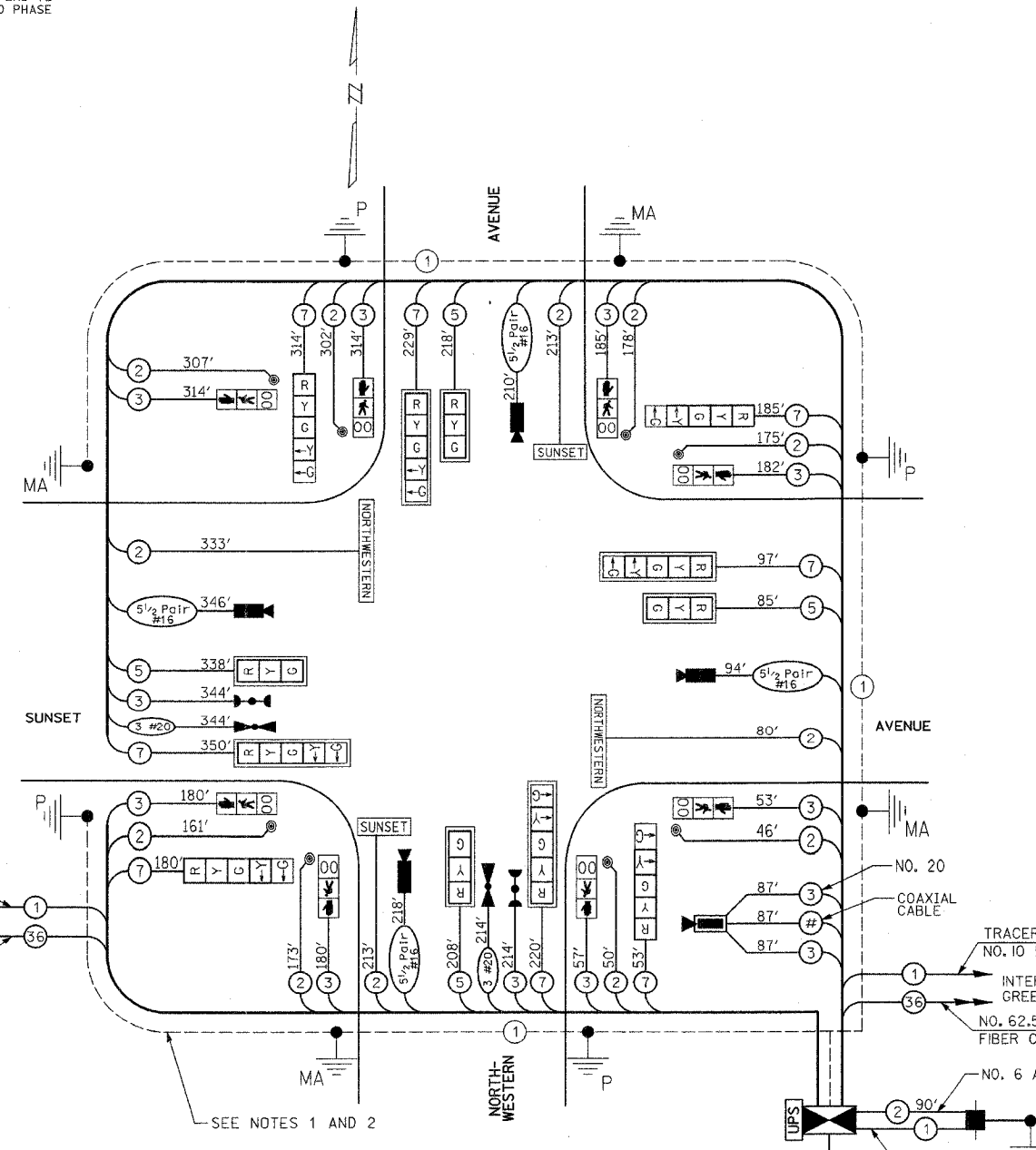
DESCRIPTION	PROPOSED SYMBOL	DESCRIPTION	PROPOSED SYMBOL
8" TRAFFIC SIGNAL SECTION	G	CONFIRMATION BEACON	☉
12" TRAFFIC SIGNAL SECTION	R	PUSHBUTTON DETECTOR	⊙
12" PEDESTRIAN SIGNAL SECTION	W	MACHINE VISION PROCESSOR	📹
12" PEDESTRIAN SIGNAL SECTION WITH COUNTDOWN TIMER	👤	LUMINAIRE	✱
CONTROLLER CABINET	📦	LED INTERNALLY ILLUMINATED STREET NAME SIGN WITH PHOTO CELL	📄
SERVICE INSTALLATION	🔌	PTZ	📹
VEHICLE DETECTOR, INDUCTION LOOP	📏	DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED	2
MAGNETIC DETECTOR	📏	SIGNAL FACE WITH BACKPLATE "P" INDICATES PROGRAMED HEAD	📄
EMERGENCY VEHICLE LIGHT DETECTOR	📏		

NOTE:  
VIDEO FROM THE SUNSET INTERSECTION WILL BE TRANSMITTED OVER FIBER-OPTIC CABLE TO THE RYAN ROAD VIDEO CABINET. ALL MODIFICATIONS TO THE RYAN ROAD CABINET WILL BE DONE PER THE SPECIAL PROVISIONS.

TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				
TYPE	No. OF LAMPS	WATTAGE	PERCENT OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	17	0.50	102.00
(YELLOW)	12	25	0.25	75.00
(GREEN)	12	15	0.25	45.00
ARROW	16	12	0.10	19.20
PED. SIGNALS	8	25	1.00	200.00
CONTROLLER	1	300	1.00	300.00
LUMINAIRE	0	250	0.50	0.00
LED SIGN	4	30	1.00	120.00
UPS	1	25	1.00	25.00
TOTAL				886.20

ENERGY COST TO: LAKE COUNTY DIVISION OF TRANSPORTATION  
600 WEST WINCHESTER ROAD  
LIBERTYVILLE, ILLINOIS 60048-1341  
  
ENERGY SUPPLY CONTACT: ALICE TAYLOR  
PHONE: (847) 816-5338  
COMPANY: COMMONWELTH EDISON

FOUNDATION	DEPTH (FT)	CABLE SLACK	SLACK (FT)	VERTICAL CABLE LENGTHS	LENGTH (FT)
TYPE A - POST	4.0	HANDHOLE	6.5	FOUNDATION	3.0
TYPE D - CONTROLLER	4.0	DOUBLE HANDHOLE	13.0	MAST ARM POST	20.0
TYPE E - MAST ARM	24"	SIGNAL POST/MAST ARM	3.0	MAST ARM BRACKET	13.0
	30"	CONTROLLER	1.0	SIGNAL POST	13.0
	36"			PED SIGNAL HEAD	13.0
				PED PUSH BUTTON	6.0



CABLE PLAN  
NOT TO SCALE

- NOTE:
- SYSTEM GROUND THAT SHALL INTERCONNECT ALL GROUND RODS WITH NO. 6 1/2 COPPER AWG.
  - THE NEUTRAL AND GROUND SHALL BE TIED AT THE SERVICE INSTALLATION, BUT SHALL BE SEPARATED AT THE TRAFFIC SIGNAL CABINET.
- THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

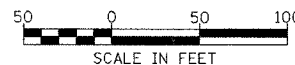
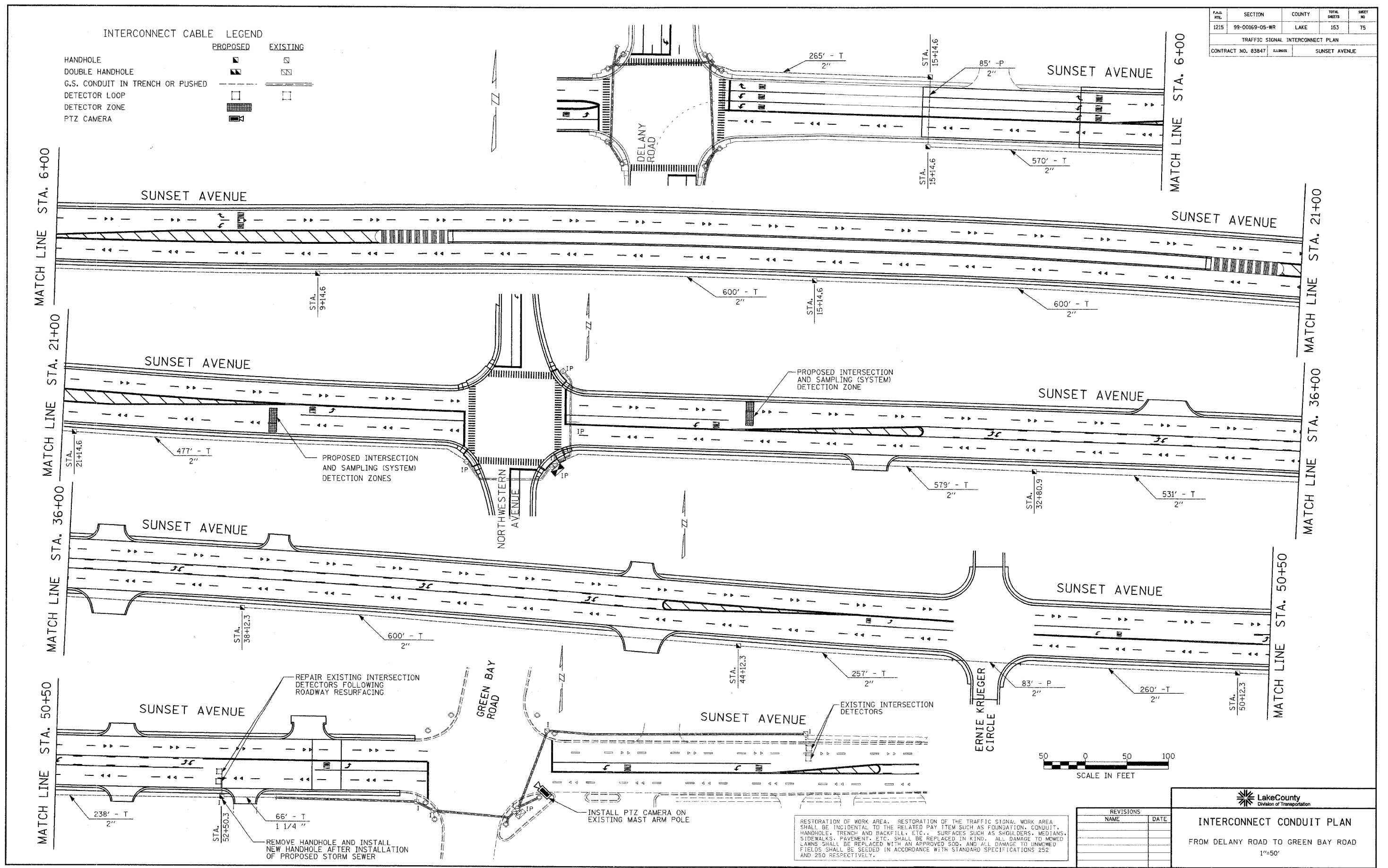
REVISIONS	
NAME	DATE

**CABLE PLAN AND PHASE DESIGNATION DIAGRAM**  
 SUNSET AVENUE AND NORTHWESTERN AVENUE  
 N.T.S.

FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	75
TRAFFIC SIGNAL INTERCONNECT PLAN				
CONTRACT NO. 83847 ILLINOIS SUNSET AVENUE				

INTERCONNECT CABLE LEGEND

	PROPOSED	EXISTING
HANDHOLE		
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
DETECTOR ZONE		
PTZ CAMERA		



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. SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOO, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

REVISIONS	
NAME	DATE

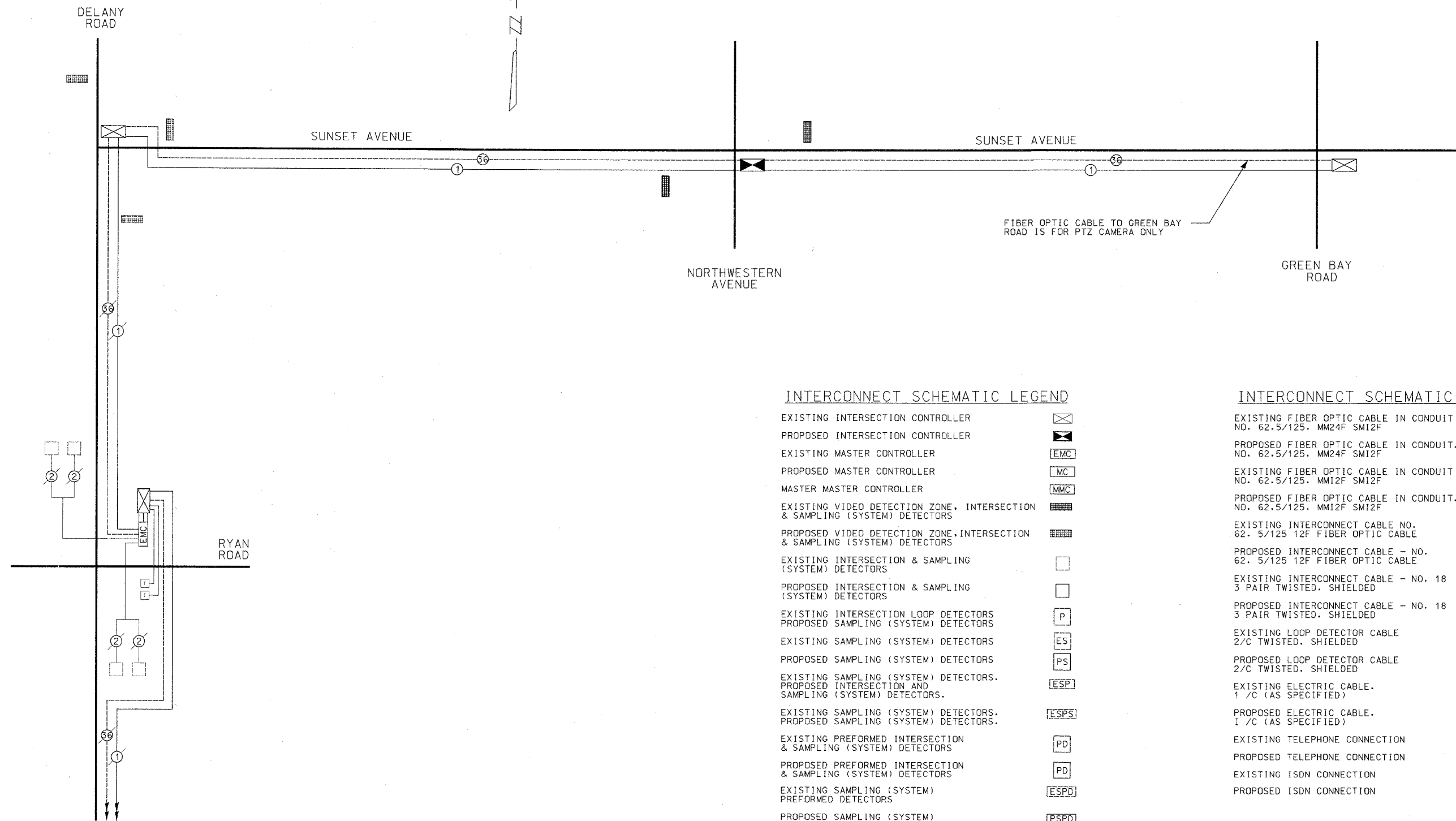
**Lake County**  
Division of Transportation

**INTERCONNECT CONDUIT PLAN**

FROM DELANY ROAD TO GREEN BAY ROAD

1"=50'

FILE #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1215	99-00169-05-WR	LAKE	153	76
SUNSET AVENUE INTERCONNECT SCHEMATIC				
CONTRACT NO. 83847		ALLIANCE	SUNSET AVENUE	



**INTERCONNECT SCHEMATIC LEGEND**

- EXISTING INTERSECTION CONTROLLER ☒
- PROPOSED INTERSECTION CONTROLLER ☒
- EXISTING MASTER CONTROLLER EMC
- PROPOSED MASTER CONTROLLER MC
- MASTER MASTER CONTROLLER MMC
- EXISTING VIDEO DETECTION ZONE, INTERSECTION & SAMPLING (SYSTEM) DETECTORS ▨
- PROPOSED VIDEO DETECTION ZONE, INTERSECTION & SAMPLING (SYSTEM) DETECTORS ▨
- EXISTING INTERSECTION & SAMPLING (SYSTEM) DETECTORS □
- PROPOSED INTERSECTION & SAMPLING (SYSTEM) DETECTORS □
- EXISTING INTERSECTION LOOP DETECTORS P
- PROPOSED SAMPLING (SYSTEM) DETECTORS P
- EXISTING SAMPLING (SYSTEM) DETECTORS ES
- PROPOSED SAMPLING (SYSTEM) DETECTORS PS
- EXISTING SAMPLING (SYSTEM) DETECTORS, PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTORS. ESP
- EXISTING SAMPLING (SYSTEM) DETECTORS, PROPOSED SAMPLING (SYSTEM) DETECTORS. ESPS
- EXISTING PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS PD
- PROPOSED PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS PD
- EXISTING SAMPLING (SYSTEM) PREFORMED DETECTORS ESPD
- PROPOSED SAMPLING (SYSTEM) PREFORMED DETECTORS PSPD

**INTERCONNECT SCHEMATIC LEGEND**

- EXISTING FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125. MM24F SM12F 56
- PROPOSED FIBER OPTIC CABLE IN CONDUIT. NO. 62.5/125. MM24F SM12F 56
- EXISTING FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125. MM12F SM12F 24
- PROPOSED FIBER OPTIC CABLE IN CONDUIT. NO. 62.5/125. MM12F SM12F 24
- EXISTING INTERCONNECT CABLE NO. 62.5/125 12F FIBER OPTIC CABLE 12
- PROPOSED INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE 12
- EXISTING INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED. SHIELDED 6
- PROPOSED INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED. SHIELDED 6
- EXISTING LOOP DETECTOR CABLE 2/C TWISTED. SHIELDED 2
- PROPOSED LOOP DETECTOR CABLE 2/C TWISTED. SHIELDED 2
- EXISTING ELECTRIC CABLE. 1 / C (AS SPECIFIED) 1
- PROPOSED ELECTRIC CABLE. 1 / C (AS SPECIFIED) 1
- EXISTING TELEPHONE CONNECTION T
- PROPOSED TELEPHONE CONNECTION T
- EXISTING ISDN CONNECTION I
- PROPOSED ISDN CONNECTION I

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINETS.

REVISIONS	
NAME	DATE

**Lake County**  
Division of Transportation

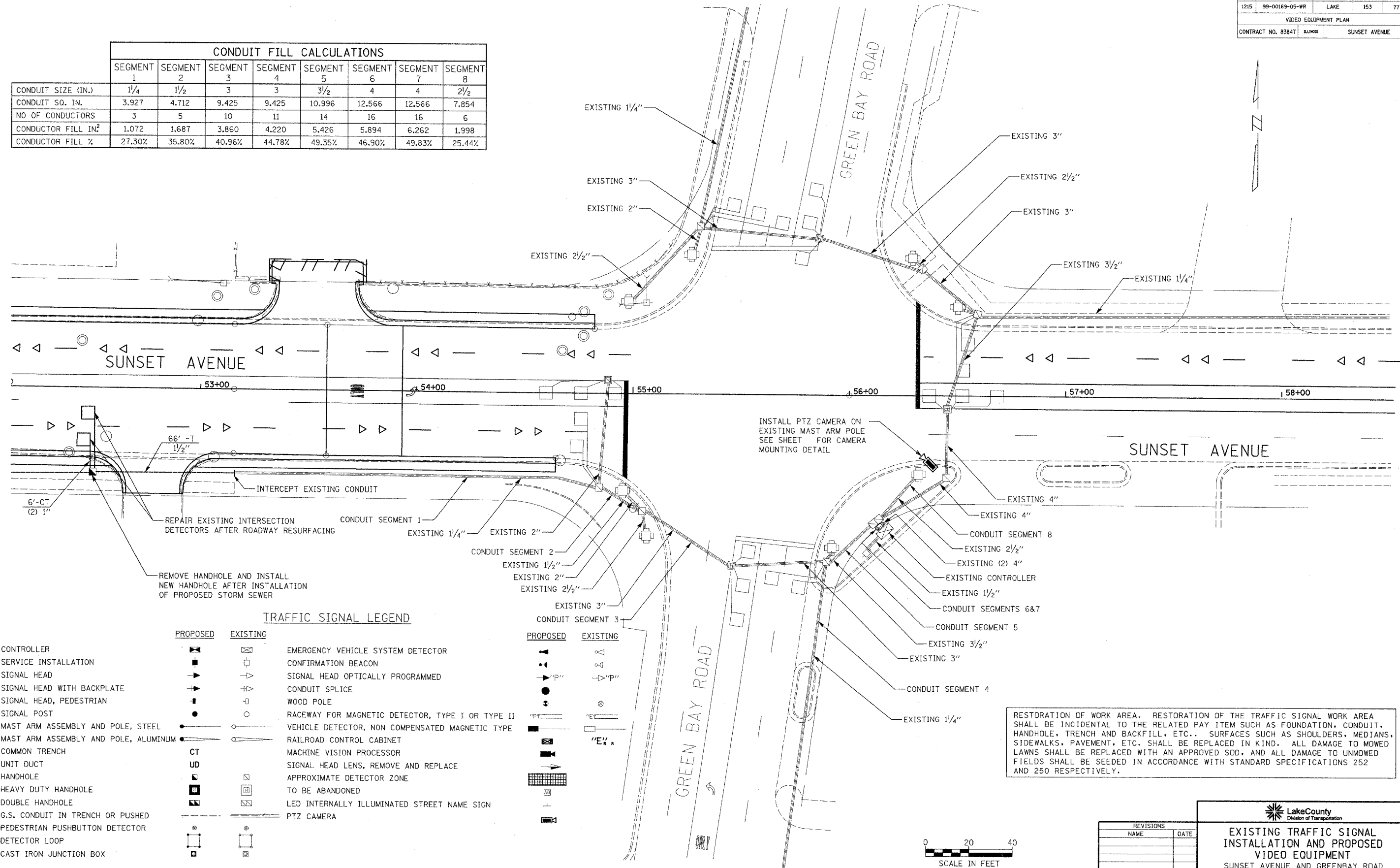
**INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES**

FROM SUNSET AVENUE TO GREEN BAY ROAD  
N.T.S.



FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	77
VIDEO EQUIPMENT PLAN				
CONTRACT NO. 83847		SUNSET AVENUE		

CONDUIT FILL CALCULATIONS								
	SEGMENT 1	SEGMENT 2	SEGMENT 3	SEGMENT 4	SEGMENT 5	SEGMENT 6	SEGMENT 7	SEGMENT 8
CONDUIT SIZE (IN.)	1/4	1/2	3	3	3 1/2	4	4	2 1/2
CONDUIT SQ. IN.	3.927	4.712	9.425	9.425	10.996	12.566	12.566	7.854
NO OF CONDUCTORS	3	5	10	11	14	16	16	6
CONDUCTOR FILL IN <sup>2</sup>	1.072	1.687	3.860	4.220	5.426	5.894	6.262	1.998
CONDUCTOR FILL %	27.30%	35.80%	40.96%	44.78%	49.35%	46.90%	49.83%	25.44%



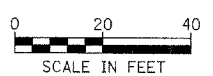
INSTALL PTZ CAMERA ON EXISTING MAST ARM POLE SEE SHEET FOR CAMERA MOUNTING DETAIL

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.. 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 FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

**TRAFFIC SIGNAL LEGEND**

CONTROLLER	PROPOSED	EXISTING	EMERGENCY VEHICLE SYSTEM DETECTOR
SERVICE INSTALLATION	PROPOSED	EXISTING	CONFIRMATION BEACON
SIGNAL HEAD	PROPOSED	EXISTING	SIGNAL HEAD OPTICALLY PROGRAMMED
SIGNAL HEAD WITH BACKPLATE	PROPOSED	EXISTING	CONDUIT SPLICE
SIGNAL HEAD, PEDESTRIAN	PROPOSED	EXISTING	WOOD POLE
SIGNAL POST	PROPOSED	EXISTING	RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II
MAST ARM ASSEMBLY AND POLE, STEEL	PROPOSED	EXISTING	VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE
MAST ARM ASSEMBLY AND POLE, ALUMINUM	PROPOSED	EXISTING	RAILROAD CONTROL CABINET
COMMON TRENCH	PROPOSED CT	EXISTING	MACHINE VISION PROCESSOR
UNIT DUCT	PROPOSED UD	EXISTING	SIGNAL HEAD LENS, REMOVE AND REPLACE
HANDHOLE	PROPOSED	EXISTING	APPROXIMATE DETECTOR ZONE
HEAVY DUTY HANDHOLE	PROPOSED	EXISTING	TO BE ABANDONED
DOUBLE HANDHOLE	PROPOSED	EXISTING	LED INTERNALLY ILLUMINATED STREET NAME SIGN
G.S. CONDUIT IN TRENCH OR PUSHED	PROPOSED	EXISTING	PTZ CAMERA
PEDESTRIAN PUSHBUTTON DETECTOR	PROPOSED	EXISTING	
DETECTOR LOOP	PROPOSED	EXISTING	
CAST IRON JUNCTION BOX	PROPOSED	EXISTING	

PROPOSED	EXISTING
PROPOSED	EXISTING
PROPOSED	EXISTING
PROPOSED	EXISTING
PROPOSED	EXISTING
PROPOSED	EXISTING
PROPOSED	EXISTING
PROPOSED	EXISTING
PROPOSED	EXISTING
PROPOSED	EXISTING
PROPOSED	EXISTING
PROPOSED	EXISTING
PROPOSED	EXISTING
PROPOSED	EXISTING
PROPOSED	EXISTING
PROPOSED	EXISTING
PROPOSED	EXISTING
PROPOSED	EXISTING

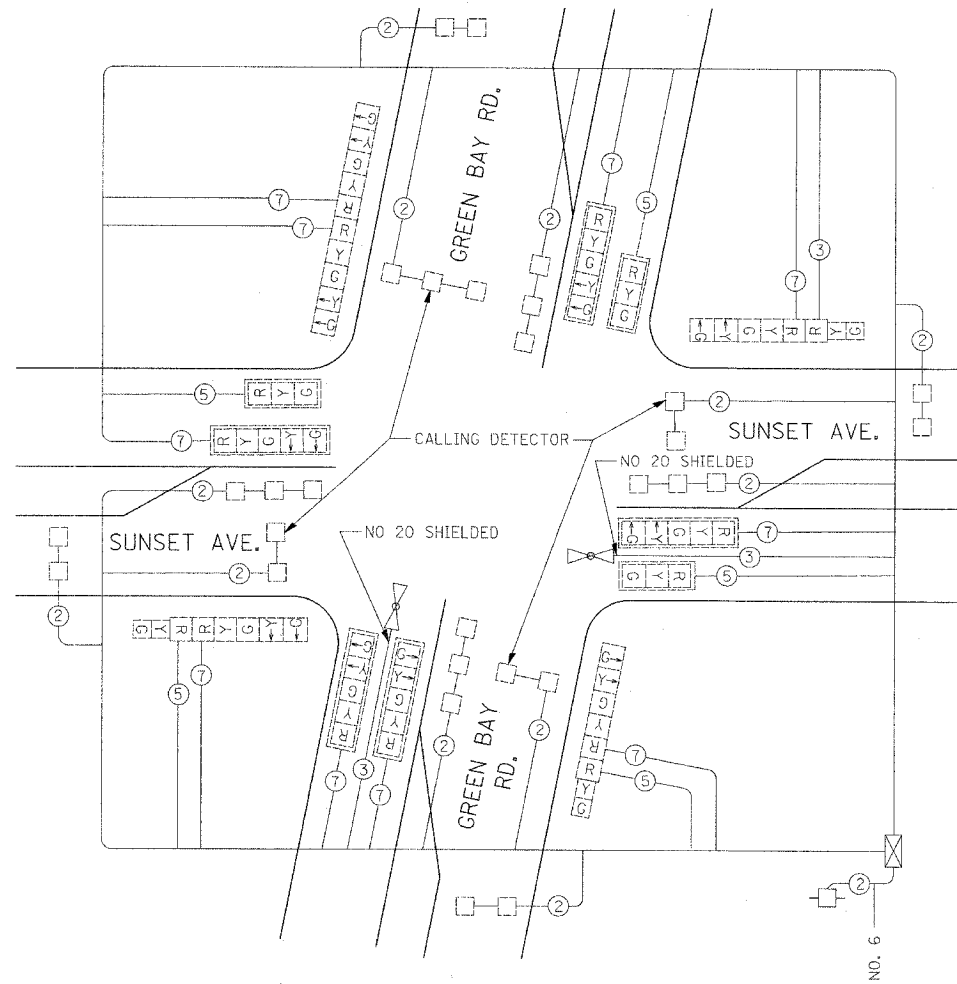


REVISIONS	
NAME	DATE

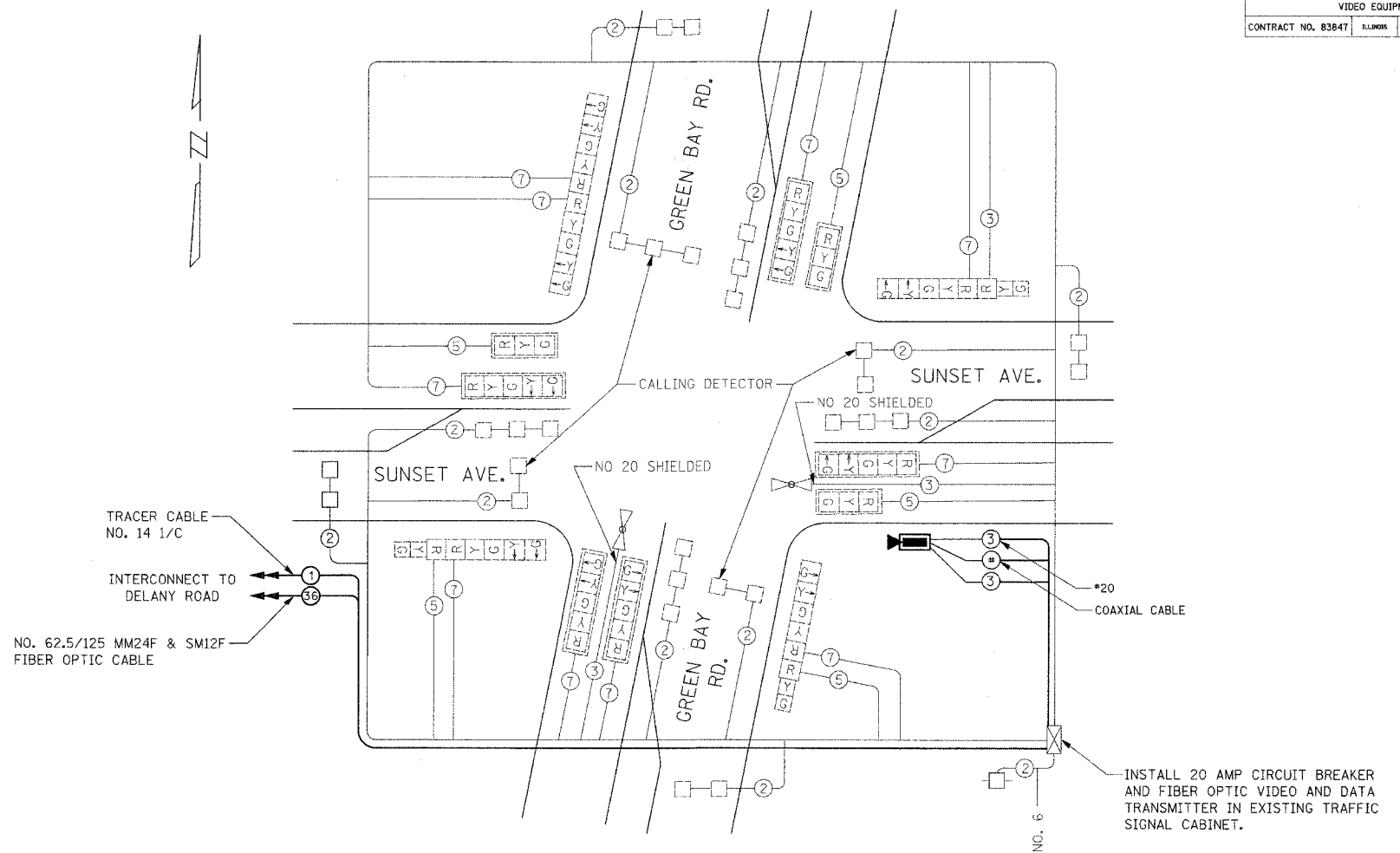
**Lake County**  
Division of Transportation

**EXISTING TRAFFIC SIGNAL  
INSTALLATION AND PROPOSED  
VIDEO EQUIPMENT**  
SUNSET AVENUE AND GREENBAY ROAD  
N.T.S.

FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	78
VIDEO EQUIPMENT PLAN				
CONTRACT NO. 83647		SUNSET AVENUE		



EXISTING CABLE PLAN



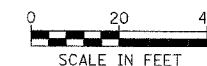
PROPOSED CABLE PLAN

CABLE PLAN LEGEND

	PROPOSED	EXISTING		PROPOSED	EXISTING
8" TRAFFIC SIGNAL SECTION			CONFIRMATION BEACON		
12" TRAFFIC SIGNAL SECTION			PUSHBUTTON DETECTOR		
12" PEDESTRIAN SIGNAL SECTION			MACHINE VISION PROCESSOR		
12" PEDESTRIAN SIGNAL SECTION WITH COUNTDOWN TIMER			LUMINAIRE		
CONTROLLER CABINET			LED INTERNALLY ILLUMINATED STREET NAME SIGN WITH PHOTO CELL		
SERVICE INSTALLATION			PTZ		
VEHICLE DETECTOR, INDUCTION LOOP			DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED		
MAGNETIC DETECTOR			SIGNAL FACE WITH BACKPLATE "P" INDICATES PROGRAMED HEAD		
EMERGENCY VEHICLE LIGHT DETECTOR					

SCHEDULE OF TRAFFIC SIGNAL QUANTITIES			
PAY CODE	DESCRIPTION	UNIT	QTY
81000500	CONDUIT IN TRENCH, 1 1/2" DIA., GALVANIZED STEEL	FOOT	66
81602010	UNIT DUCT, WITHOUT CABLE, IN TRENCH 1"	FOOT	12
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
86400100	TRANSCIVER - FIBER OPTIC	EACH	1
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 3C	FOOT	99
88600600	DETECTOR LOOP REPLACEMENT	FOOT	72
XX003553	VIDEO TRANSMISSION SYSTEM	EACH	1
XX003582	ELECTRIC CABLE IN CONDUIT, NO. 20 3/C	FOOT	99
XX003661	ELECTRIC CABLE IN CONDUIT, COAXIAL	FOOT	99
XX004804	CONDUIT IN TRENCH, TRANSITION	EACH	1
XX005940	REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
X0324603	CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING TSC CABINET	EACH	1
X0329863	INTERCEPT EXISTING CONDUIT	EACH	1

- NOTES:
1. THE CONTRACTOR IS TO MAINTAIN THE EXISTING TRAFFIC SIGNAL WITHOUT CHANGE TO THE SIGNAL PHASING OR TIMING.
  2. DURING CONSTRUCTION THE FAR OUT DETECTOR LOOPS ON THE EB APPROACH WILL BE DESTROYED IN THE PAVEMENT MILLING PROCESS. THE SIGNAL PHASE ASSOCIATED WITH THIS APPROACH IS TO USE THE UP CLOSE LOOP DETECTORS TO PLACE A CALL FOR THIS PHASE.

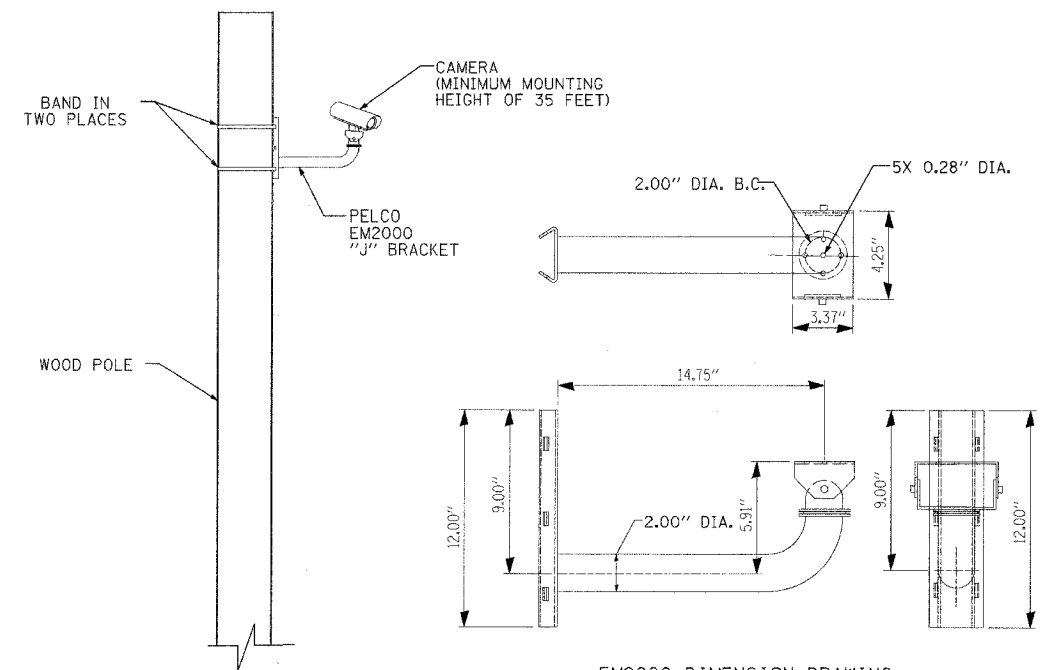
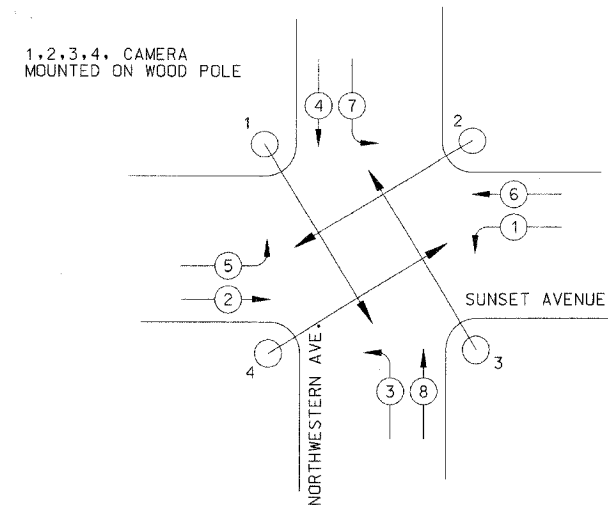


REVISIONS	
NAME	DATE

**EXISTING TRAFFIC SIGNAL INSTALLATION AND PROPOSED TRAFFIC SIGNAL EQUIPMENT**  
SUNSET AVENUE AND GREENBAY ROAD  
N.T.S.



FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	80
BATTERY BACK-UP CABINET FOUNDATION DETAILS				
CONTRACT NO. 83847	ILLINOIS	SUNSET AVENUE		



EM2000 DIMENSION DRAWING  
**TEMPORARY CAMERA MOUNTING DETAILS**

(NOT TO SCALE)

REVISIONS	
NAME	DATE

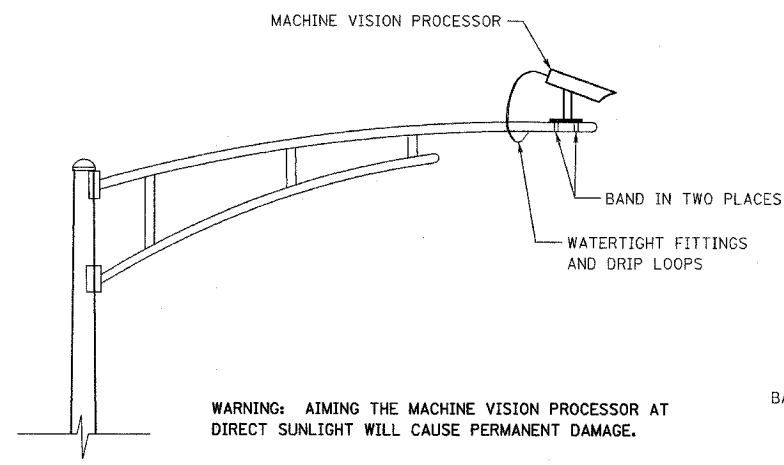


**TRAFFIC SIGNAL DETAILS**

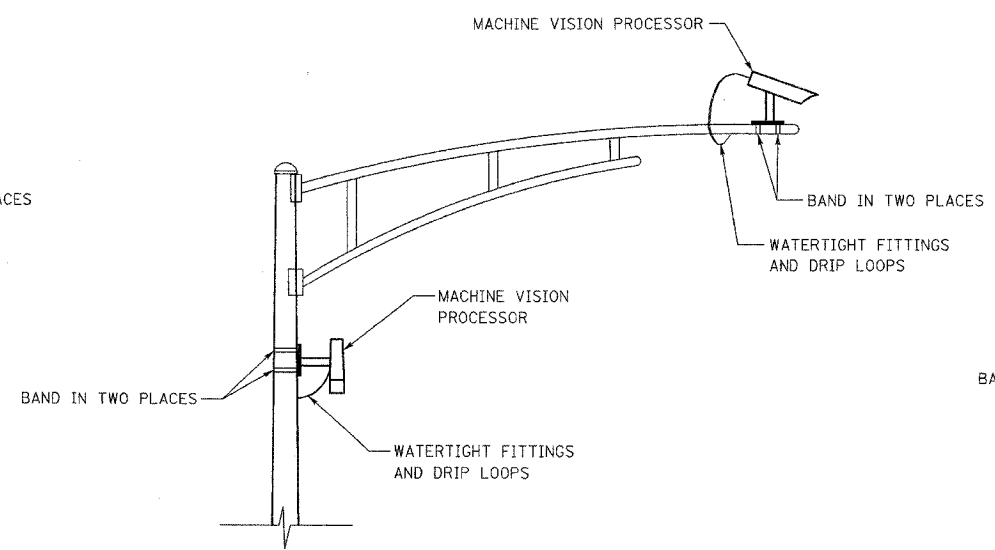
NOT TO SCALE  
 DATE: 10/15/03

DESIGNED BY: JPS  
 CHECKED BY: ANK

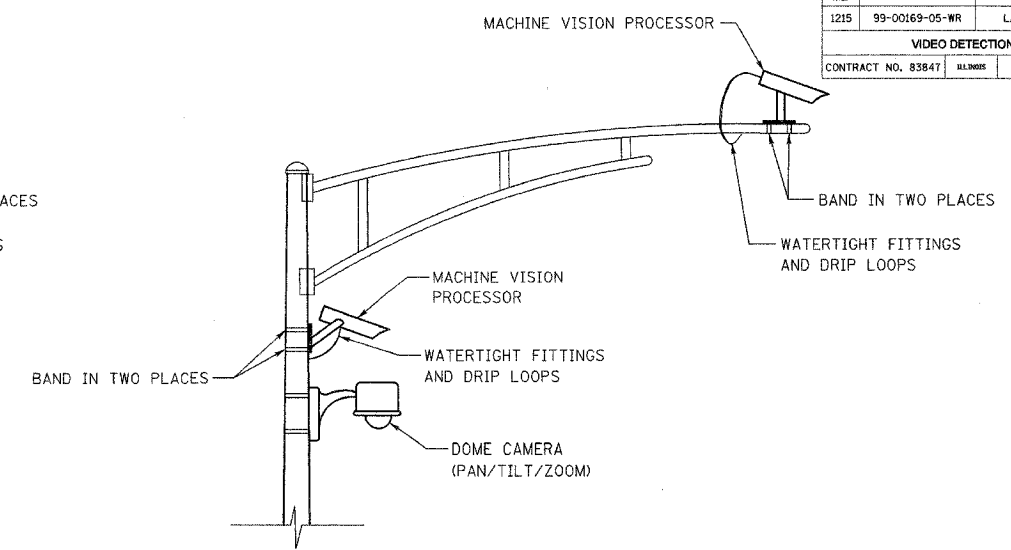
FILE #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1215	99-00169-05-WR	LAKE	153	81
VIDEO DETECTION DETAILS				
CONTRACT NO. 8384T		BLM#88	SUNSET AVENUE	



**MACHINE VISION PROCESSOR MOUNTING DETAIL**  
(NOT TO SCALE)

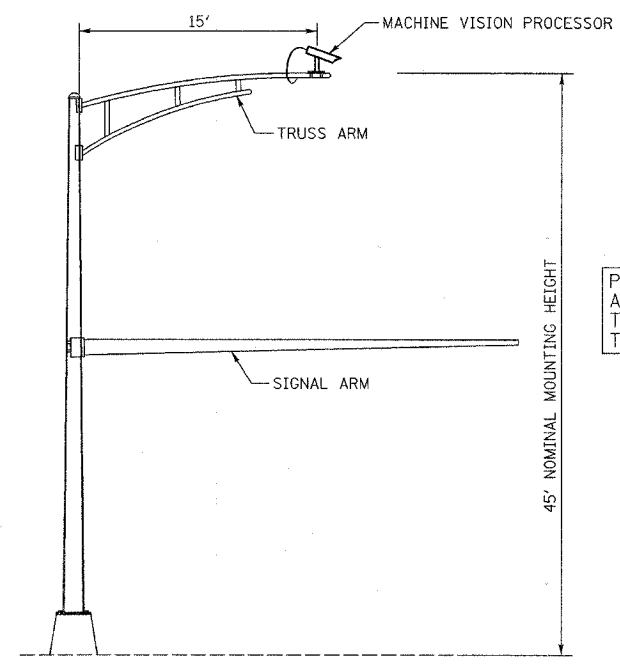


**DUAL MACHINE VISION PROCESSORS MOUNTING DETAIL**  
(NOT TO SCALE)

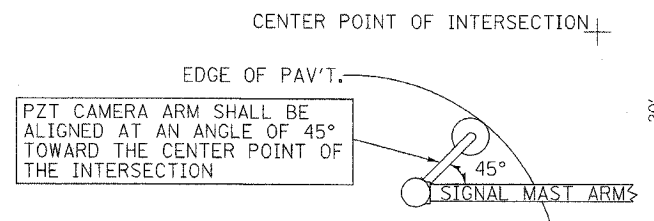


**DUAL MACHINE VISION PROCESSORS AND DOME (PTZ) CAMERA MOUNTING DETAIL**  
(NOT TO SCALE)

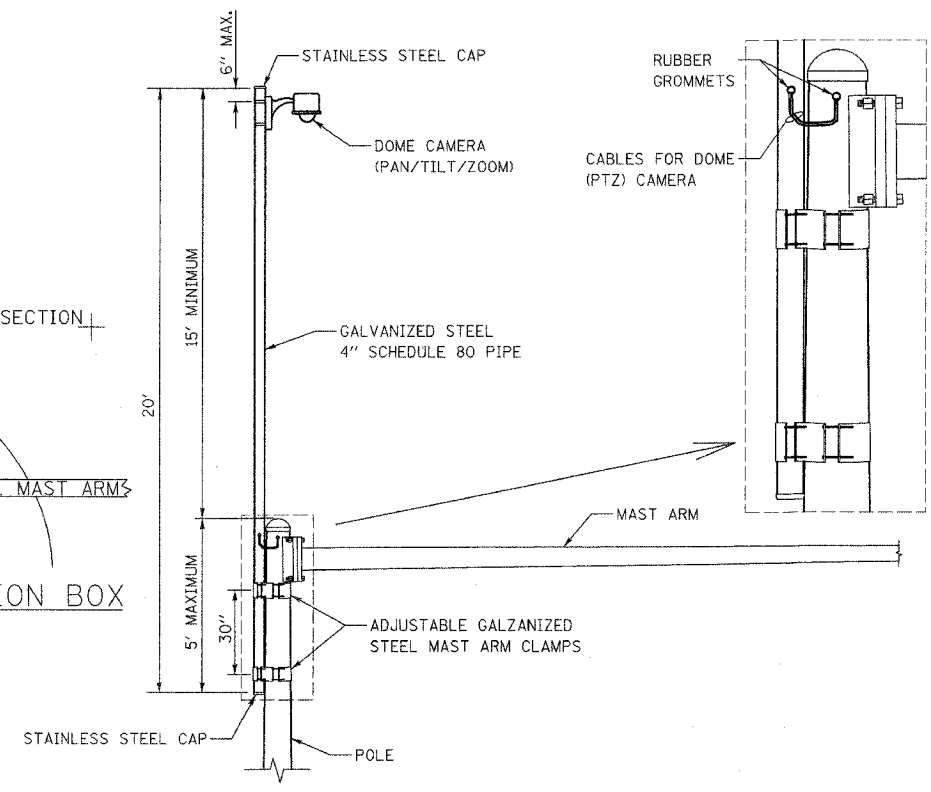
NOTES FOR SINGLE, DUAL AND MULTIPLE MVP MOUNTING:  
 - MOUNT LUMINAIRE MOUNTING BRACKET AS HIGH AS POSSIBLE.  
 - AIM BRACKET TOWARD DIRECTION OF TRAFFIC TO BE DETECTED.  
 - MOUNT MACHINE VISION PROCESSOR AIMING DOWN AT 30 DEGREE ANGLE.



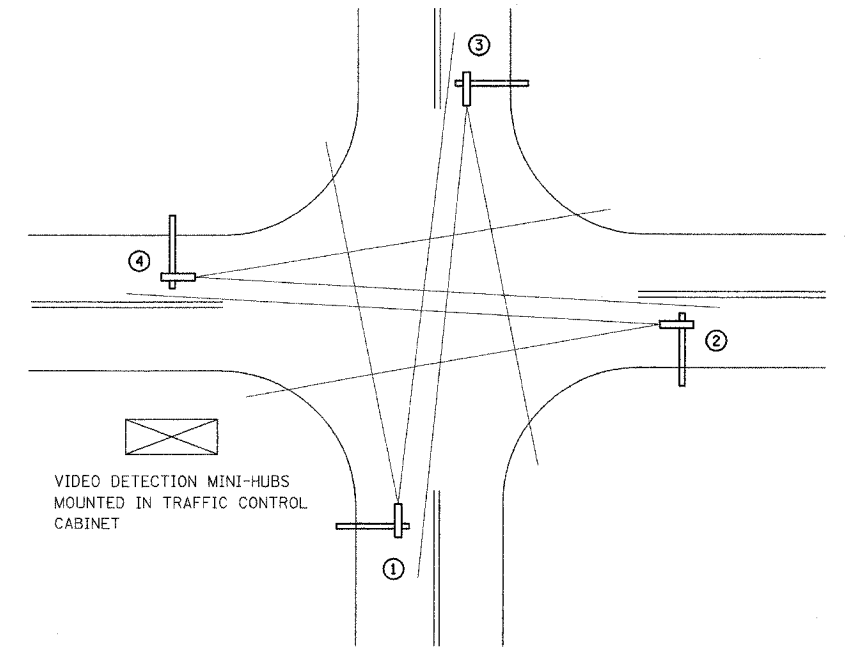
**COMBINATION MAST ARM ASSEMBLY AND POLE DIMENSIONS**  
(NOT TO SCALE)



**IMAGE SENSOR AND JUNCTION BOX MOUNTING DETAILS**  
(NO SCALE)



**CAMERA MOUNTING ASSEMBLY DETAIL**  
(NOT TO SCALE)



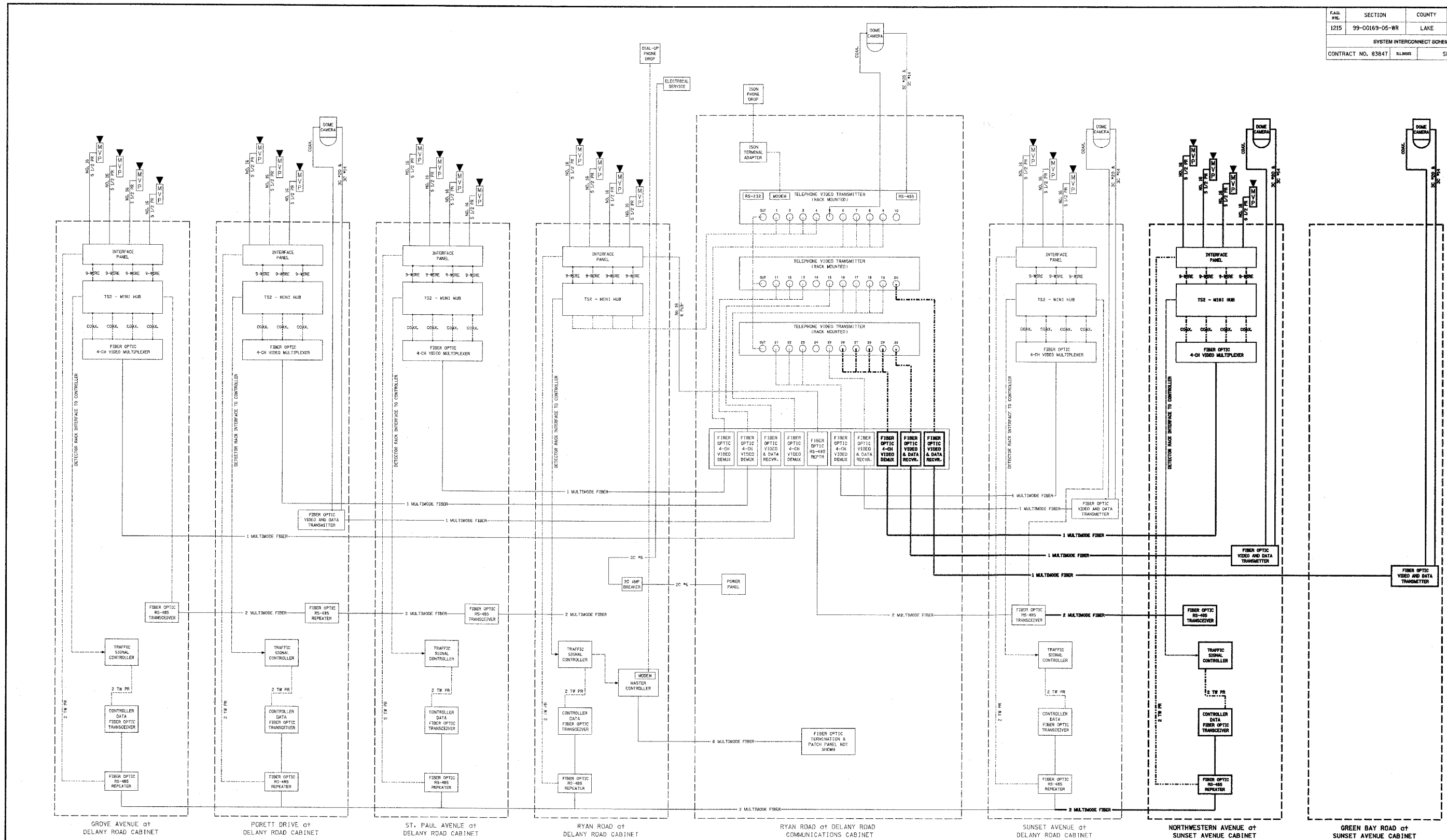
**TYPICAL VIDEO VEHICLE DETECTION SYSTEM**  
(NOT TO SCALE)

(4) MACHINE VISION PROCESSOR ASSEMBLIES AND BRACKETS ① ② ③ ④  
 POWER CABLE TO EACH MACHINE VISION PROCESSOR (24 VAC)

REVISIONS	
NAME	DATE

**VIDEO DETECTION DETAILS**

FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	82
SYSTEM INTERCONNECT SCHEMATIC				
CONTRACT NO. 83647		ILLINOIS	SUNSET AVENUE	



- NOTE:
1. THE PROPOSED SIGNAL WORK AT THE INTERSECTION OF SUNSET AVENUE AND NORTHWESTERN AVENUE ALONG WITH THE PTZ CAMERA AT GREEN BAY ROAD WILL BE PERFORMED BY THE CONTRACTOR, ALL OTHER WORK WILL BE PERFORMED UNDER SEPERATE CONTRACT.
  2. VIDEO SIGNALS FROM THE INTERSECTIONS OF SUNSET & GREENBAY AND SUNSET & NORTHWESTERN ARE TO BE TRANSMITTED TO THE RYAN ROAD INTERSECTION AND SHALL BE INCIDENTAL TO THE PROJECT.

REVISIONS	
NAME	DATE

**SYSTEM INTERCONNECT SCHEMATIC**

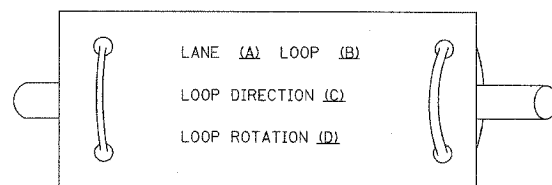


FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	83
STANDARD TRAFFIC SIGNAL DESIGN DETAILS				
CONTRACT NO. 83847		SUNSET AVENUE		

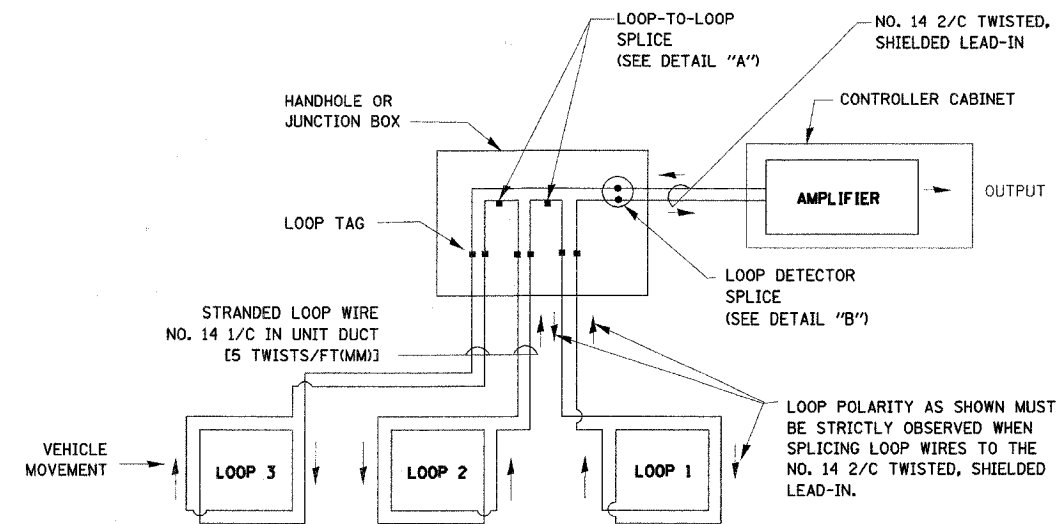
### LOOP DETECTOR NOTES

- EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE UNIT DUCT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). UNIT DUCT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
- 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.
- 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.
- ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES 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.
- 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.
- 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

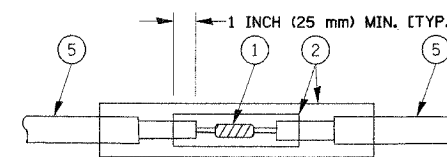


- LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

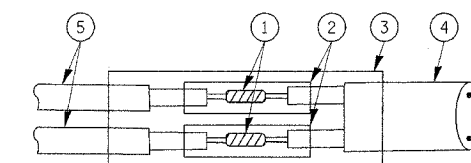


#### DETECTOR LOOP WIRING SCHEMATIC

- 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

#### LOOP DETECTOR SPLICE

- WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.
- WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- NO. 14 2/C TWISTED, SHIELDED CABLE.
- LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

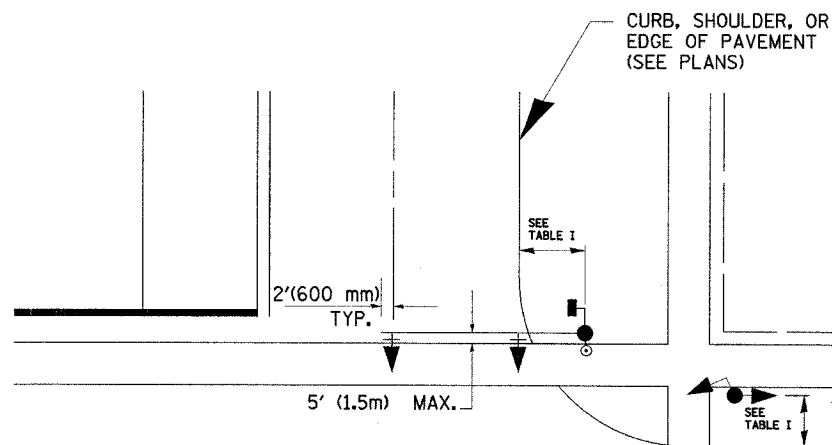
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DISTRICT ONE  
STANDARD TRAFFIC SIGNAL  
DESIGN DETAILS  
DRAWN BY: RWP  
DESIGNED BY: DAZ  
CHECKED BY: DAZ  
DATE: 1-01-02  
SHEET 1 OF 4

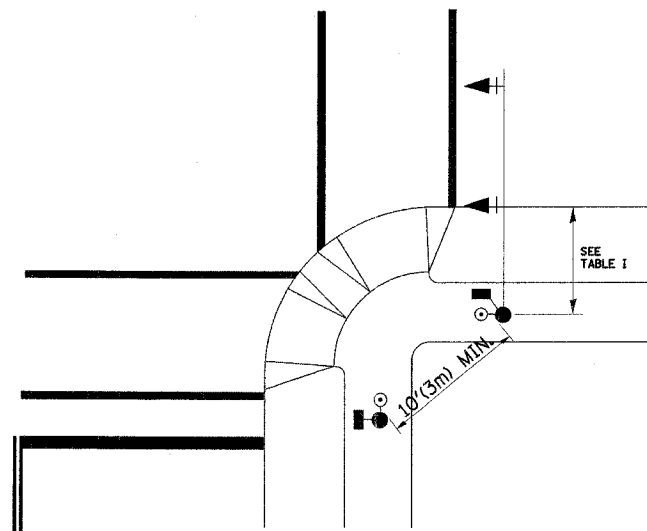
FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	84
STANDARD TRAFFIC SIGNAL DESIGN DETAILS				
CONTRACT NO. 83847		ILLINOIS	SUNSET AVENUE	

### TRAFFIC SIGNAL MAST ARM AND POST

MAST ARM MOUNTED SIGNAL IN PROPOSED & FUTURE SIDEWALK AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNAL AND PUSHBUTTON DETECTOR



### PEDESTRIAN SIGNAL PUSHBUTTON



RECOMMENDED PUSHBUTTON LOCATIONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE IN ACCORDANCE WITH THE CURRENT MUTCD (SEE NOTE 1). TO MEET MUTCD REQUIREMENTS, PEDESTRIAN SIGNAL PUSHBUTTONS MAY HAVE TO BE MOUNTED ON A SEPARATE POST.

### NOTES:

- AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS WITH PEDESTRIAN ACTUATION, EACH PUSHBUTTON SHALL ACTIVATE BOTH THE WALK INTERVAL AND THE ACCESSIBLE PEDESTRIAN SIGNALS.  
  
AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS, PUSHBUTTONS SHOULD CLEARLY INDICATE WHICH CROSSWALK SIGNAL IS ACTUATED BY EACH PUSHBUTTON. PUSHBUTTONS AND TACTILE ARROWS SHOULD HAVE HIGH VISUAL CONTRAST (SEE THE DEPARTMENT OF JUSTICE'S AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN, 1991). TACTILE ARROWS SHOULD POINT IN THE SAME DIRECTION AS THE ASSOCIATED CROSSWALK. AT CORNERS OF SIGNALIZED LOCATIONS WITH ACCESSIBLE PEDESTRIAN SIGNALS WHERE PEDESTRIAN PUSHBUTTONS ARE PROVIDED, THE PUSHBUTTONS SHOULD BE SEPARATED BY THE DISTANCE OF AT LEAST 10 FT (3m). THIS ENABLES PEDESTRIANS WHO HAVE VISUAL DISABILITIES TO DISTINGUISH AND LOCATE THE APPROPRIATE PUSHBUTTON.  
  
PUSHBUTTONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHOULD BE LOCATED AS FOLLOWS:  
 A: ADJACENT TO A LEVEL ALL-WEATHER SURFACE TO PROVIDE ACCESS FROM A WHEELCHAIR, AND WHERE THERE IS AN ALL WEATHER SURFACE, WHEELCHAIR ACCESSIBLE ROUTE TO THE RAMP.  
 B: WITHIN 5 FT (1.5m) OF THE CROSSWALK EXTENDED.  
 C: WITHIN 10 FT (3m) OF THE EDGE OF CURB, SHOULDER, OR PAVEMENT.  
 D: PARALLEL TO THE CROSSWALK TO BE USED (SEE MUTCD FIGURE 4E-2).  
 E: NORMAL PEDESTRIAN PUSHBUTTON MOUNTING HEIGHT SHOULD BE 3.5 FT (1.05m) ABOVE ADJACENT SIDEWALK.
- PEDESTRIAN SIGNAL FACES SHALL BE MOUNTED WITH THE BOTTOM OF THE HOUSING NOT LESS THAN 8 FT (2.4m) NOR MORE THAN 10 FT (3.0m) ABOVE THE SIDEWALK LEVEL AND SO THERE IS A PEDESTRIAN INDICATION IN THE LINE OF PEDESTRIANS' VISION WHICH PERTAINS TO THE CROSSWALK BEING USED.
- THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, NOT MOUNTED OVER A ROADWAY, SHALL BE AT LEAST 10 FT (3.0m) BUT NOT MORE THAN 15 FT (4.5m) ABOVE THE SIDEWALK OR, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE HIGHWAY IF NO SIDEWALKS EXIST.
- THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, MOUNTED OVER A ROADWAY, SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001 AND 877006. (16 FT (5m) MIN., 18 FT (5.5m) MAX., FROM HIGHEST POINT OF PAVEMENT)

### PEDESTRIAN SIGNAL POST

PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN PUSHBUTTON DETECTOR LOCATION

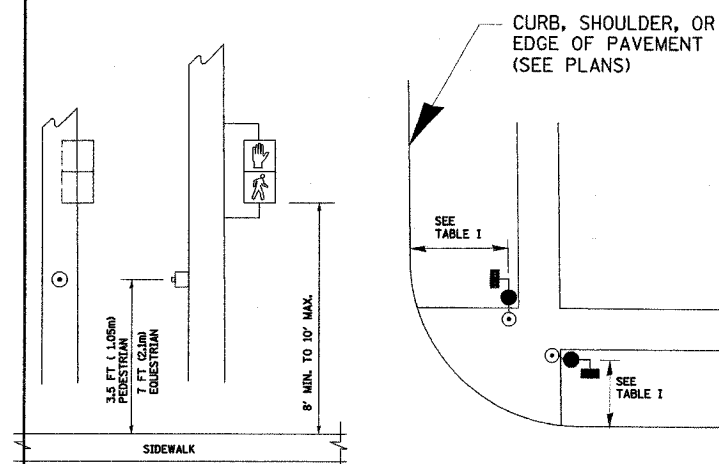


TABLE I

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MIN. DIST. FROM BACK OF CURB)	SHOULDER/NON-CURBED AREA (MIN. DIST. FROM EDGE OF PAVEMENT)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN PUSHBUTTON	SEE NOTE 1	SEE NOTE 1

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT 1  
STANDARD TRAFFIC SIGNAL  
DESIGN DETAILS

REVISIONS	
NAME	DATE

SCALE: VERT. NONE  
HORIZ. NONE  
DATE 1-01-02

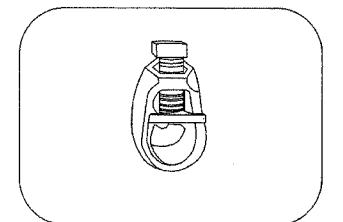
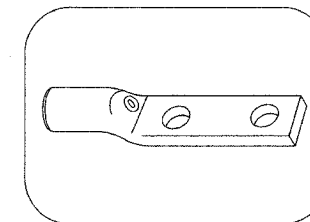
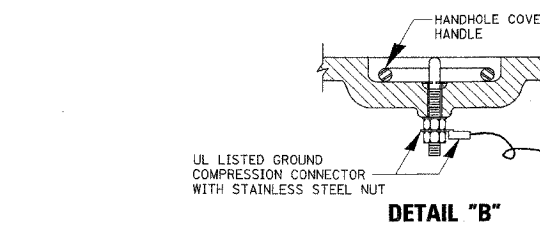
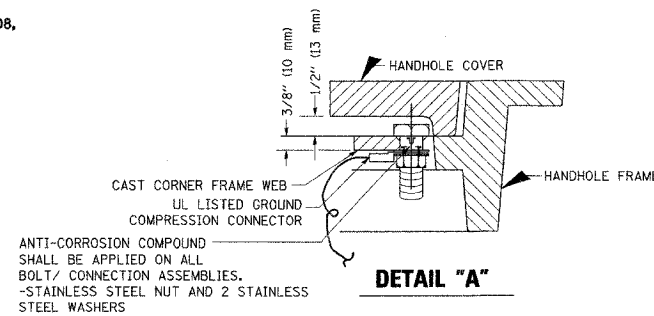
DRAWN BY: RWP  
DESIGNED BY: DAD  
CHECKED BY: DAZ  
SHEET 2 OF 4

FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	85
STANDARD TRAFFIC SIGNAL DESIGN DETAILS				
CONTRACT NO. 83847		ILLINOIS	SUNSET AVENUE	

**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.

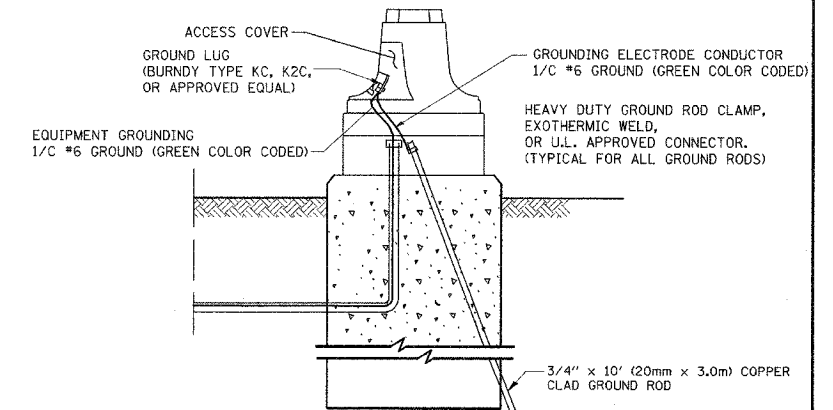


HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)

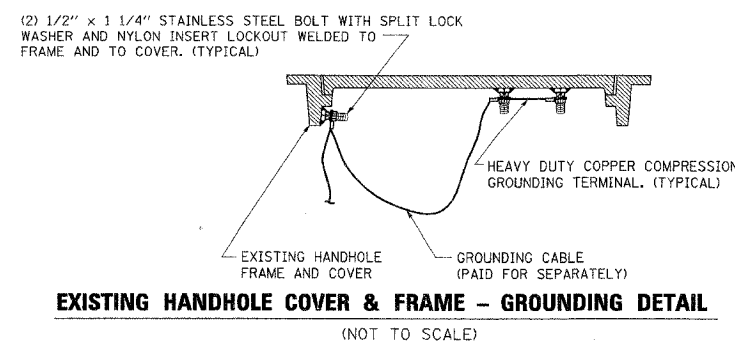
3/4" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EQUAL)

**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.



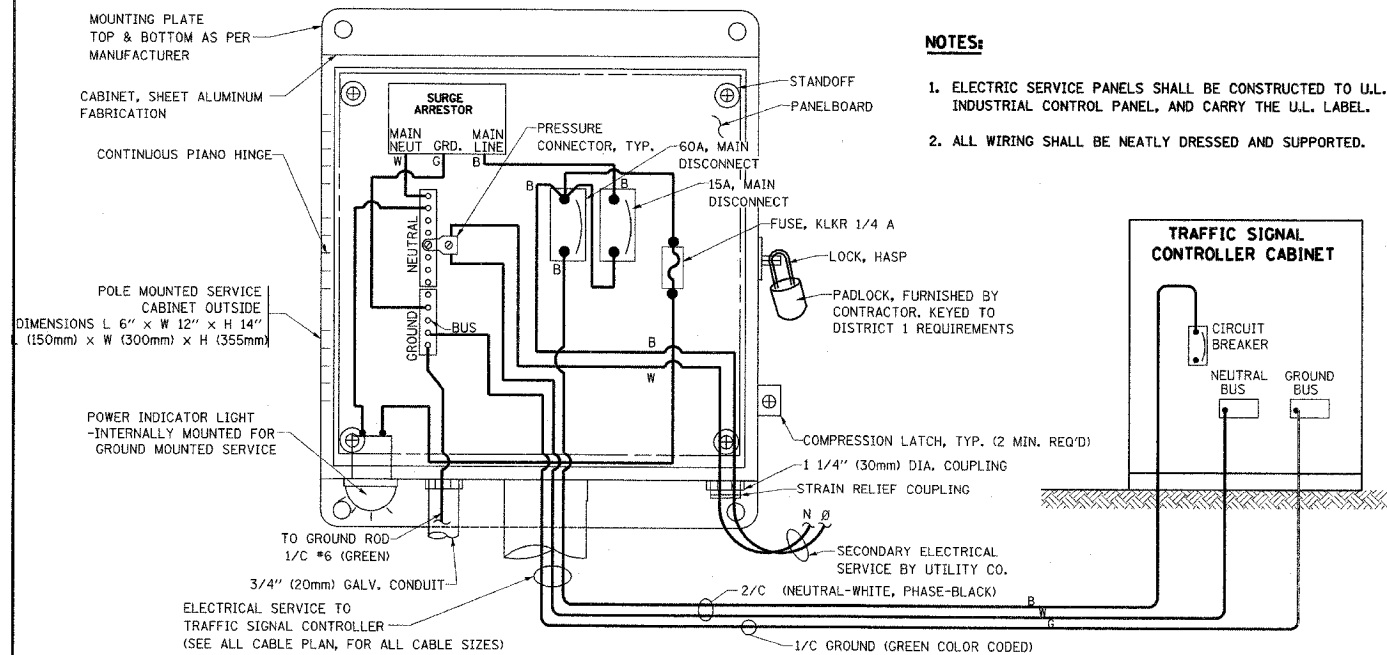
**MAST ARM POLE / POST-GROUNDING DETAIL**  
(NOT TO SCALE)



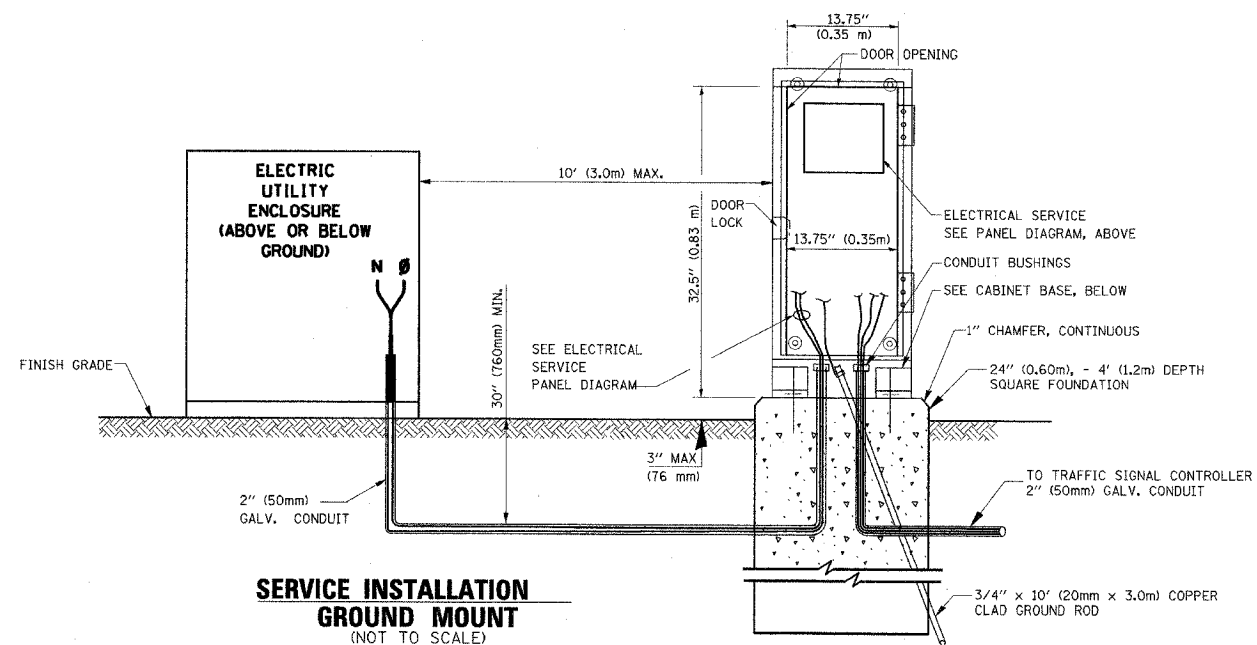
**EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL**  
(NOT TO SCALE)

**NOTES:**

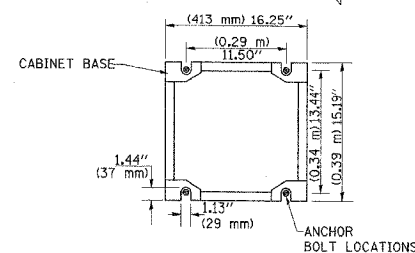
1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.



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



**SERVICE INSTALLATION GROUND MOUNT**  
(NOT TO SCALE)



**CABINET - BASE BOLT PATTERN**  
(NOT TO SCALE)

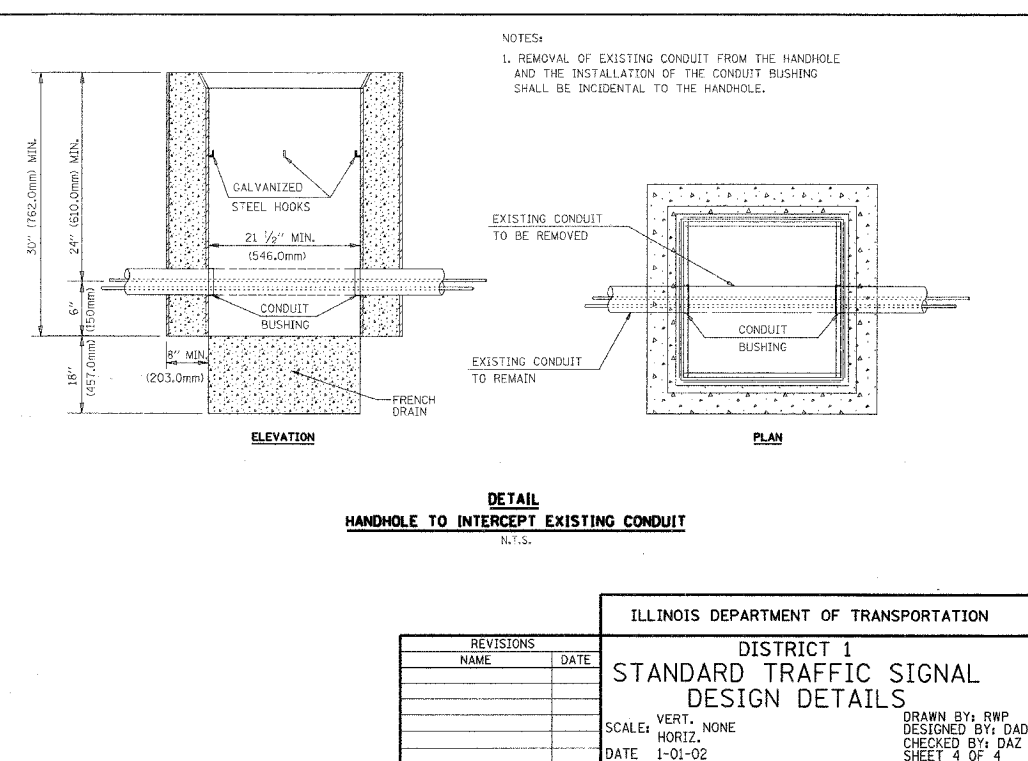
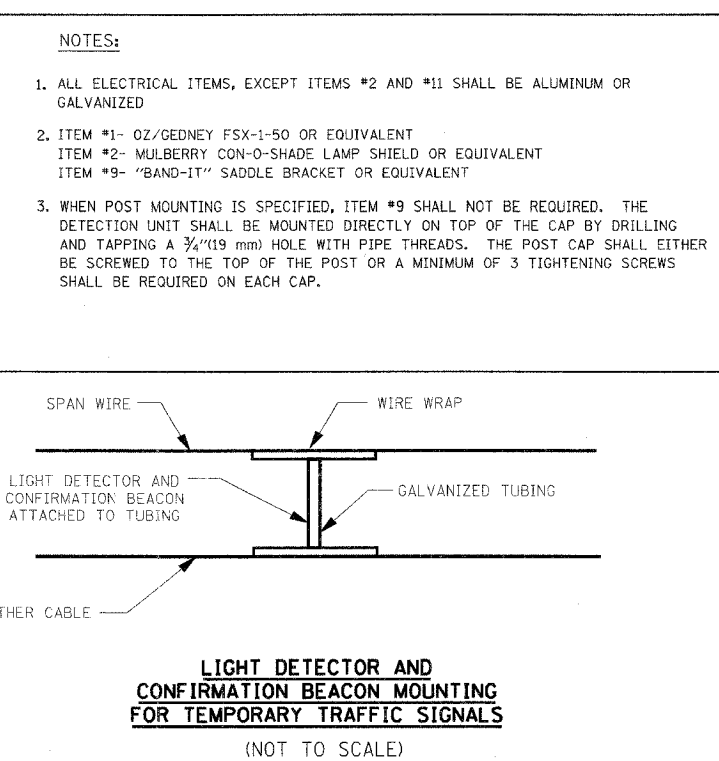
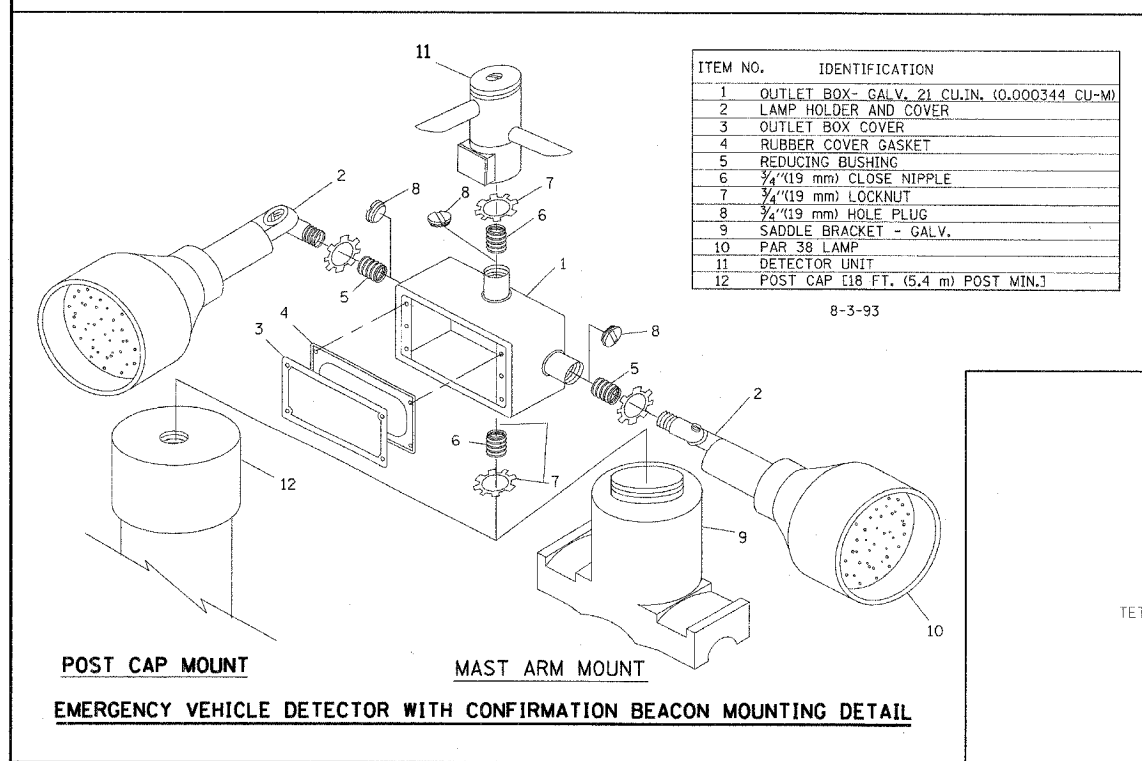
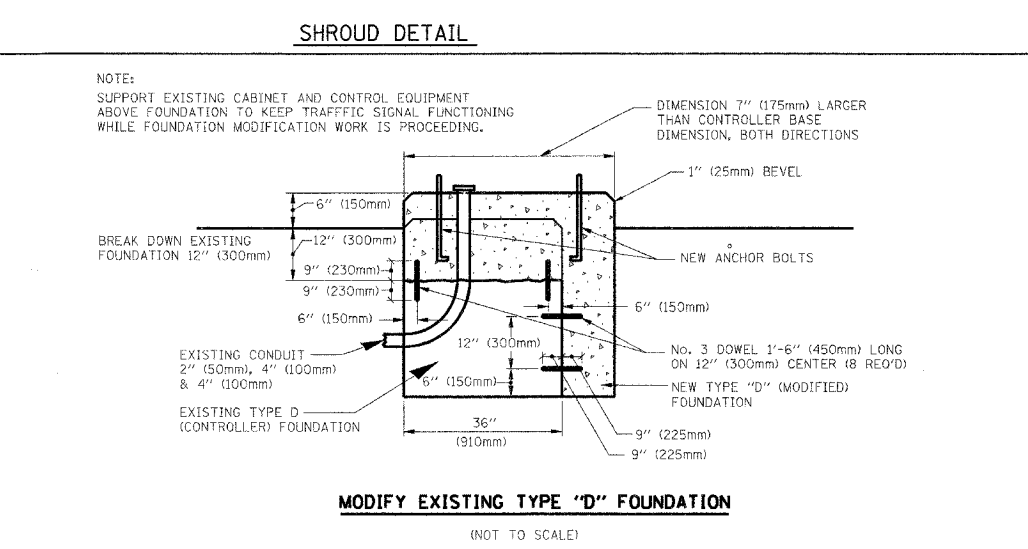
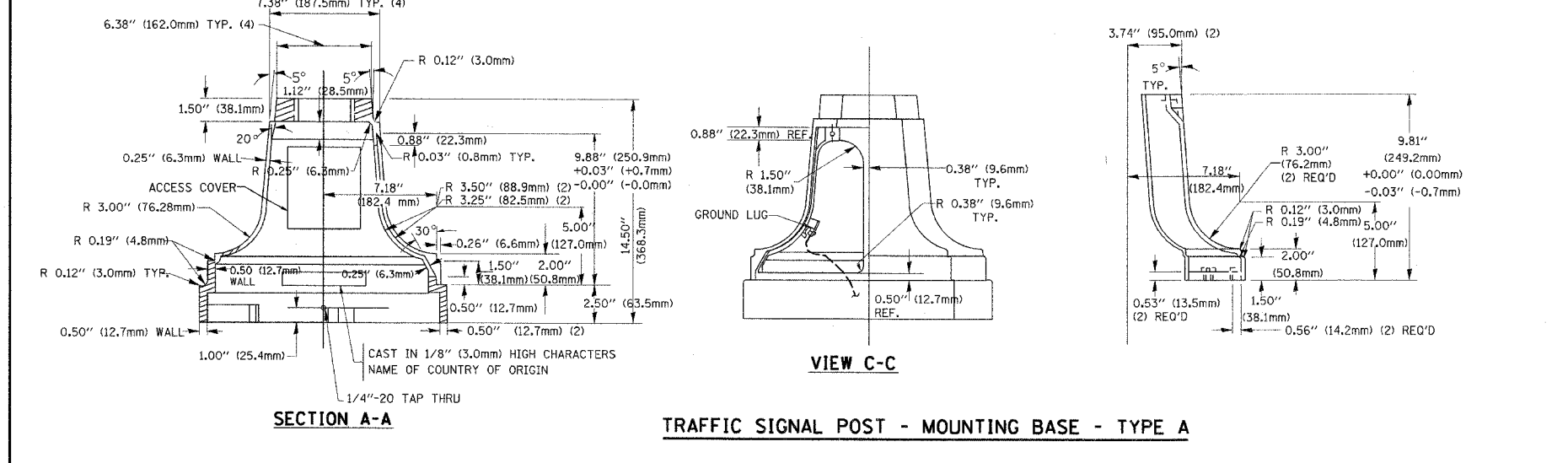
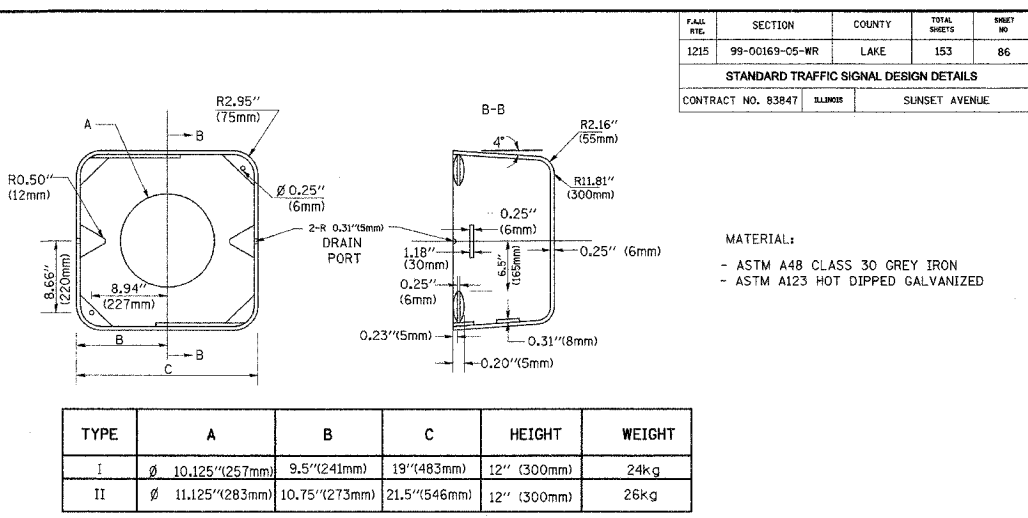
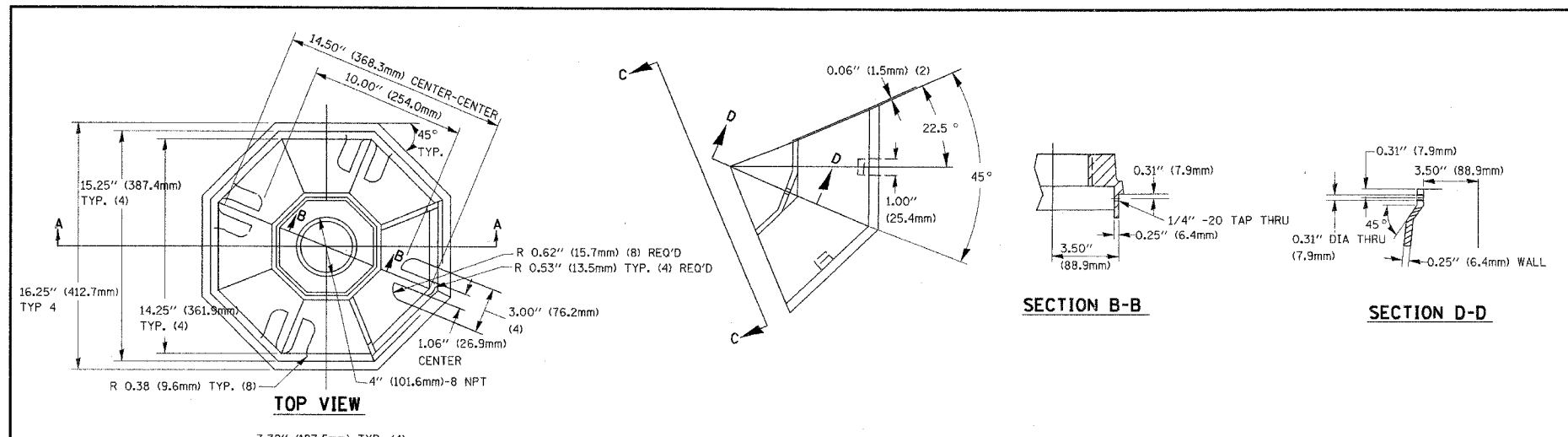
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DISTRICT 1**  
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: VERT. NONE  
HORIZ. NONE  
DATE: 1-01-02

DRAWN BY: RWP  
DESIGNED BY: DAZ  
CHECKED BY: DAZ  
SHEET 3 OF 4

FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-C5-WR	LAKE	153	86
STANDARD TRAFFIC SIGNAL DESIGN DETAILS				
CONTRACT NO. 83847		SUNSET AVENUE		



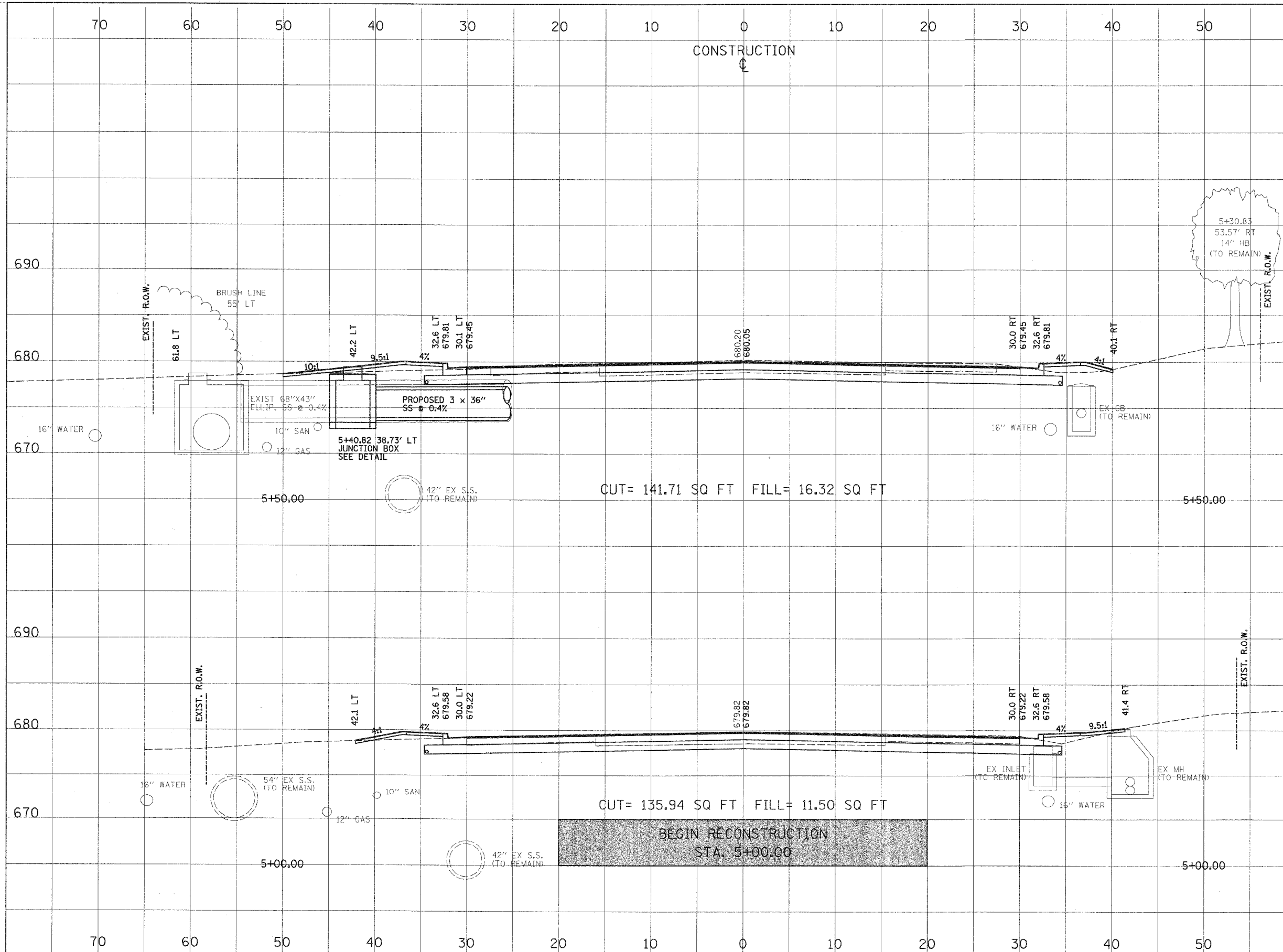
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DISTRICT 1  
STANDARD TRAFFIC SIGNAL  
DESIGN DETAILS

SCALE: VERT. NONE  
HORIZ. 1"=1'-0"  
DATE 1-01-02

DRAWN BY: RWP  
DESIGNED BY: DAZ  
CHECKED BY: DAZ  
SHEET 4 OF 4

PAR. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	87
CROSS SECTIONS				
CONTRACT NO. 83847		5118002	SUNSET AVENUE	



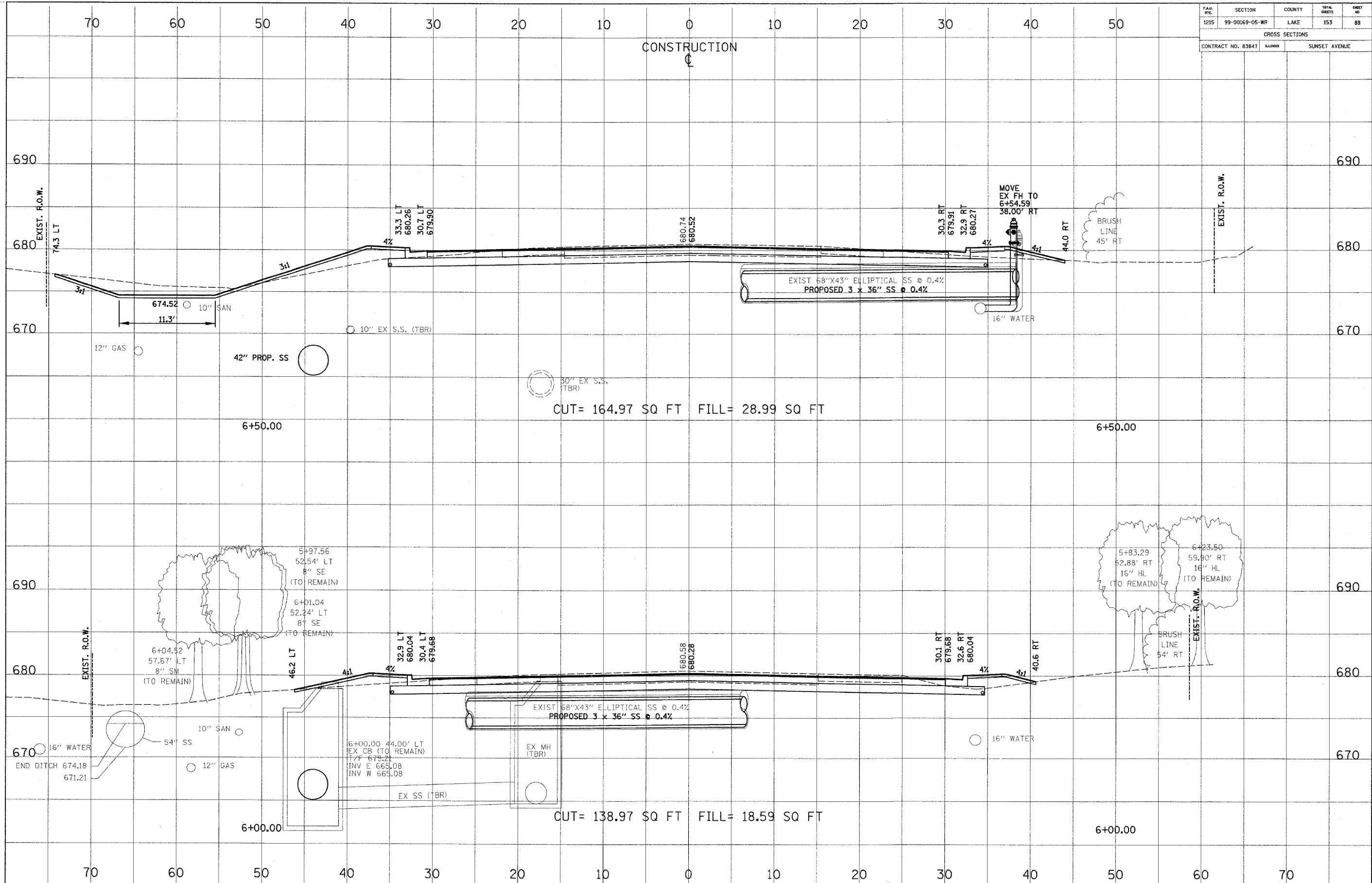
CROSS SECTION	REVISION	DATE
SECTION	PLOTTED	
NOTE BOOK	REVISIONS	
NO.	BY	
	CHECKED	
	DATE	
	FILE NAME	

CROSS SECTION	REVISION	DATE
SECTION	PLOTTED	
NOTE BOOK	REVISIONS	
NO.	BY	
	CHECKED	
	DATE	
	FILE NAME	

CROSS SECTION	DATE
SUBMITTED	BY
REVISIONS	
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
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	
NO. 35	
NO. 36	
NO. 37	
NO. 38	
NO. 39	
NO. 40	
NO. 41	
NO. 42	
NO. 43	
NO. 44	
NO. 45	
NO. 46	
NO. 47	
NO. 48	
NO. 49	
NO. 50	
NO. 51	
NO. 52	
NO. 53	
NO. 54	
NO. 55	
NO. 56	
NO. 57	
NO. 58	
NO. 59	
NO. 60	
NO. 61	
NO. 62	
NO. 63	
NO. 64	
NO. 65	
NO. 66	
NO. 67	
NO. 68	
NO. 69	
NO. 70	
NO. 71	
NO. 72	
NO. 73	
NO. 74	
NO. 75	
NO. 76	
NO. 77	
NO. 78	
NO. 79	
NO. 80	
NO. 81	
NO. 82	
NO. 83	
NO. 84	
NO. 85	
NO. 86	
NO. 87	
NO. 88	
NO. 89	
NO. 90	
NO. 91	
NO. 92	
NO. 93	
NO. 94	
NO. 95	
NO. 96	
NO. 97	
NO. 98	
NO. 99	
NO. 100	

CROSS SECTION	DATE
SUBMITTED	BY
REVISIONS	
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
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	
NO. 35	
NO. 36	
NO. 37	
NO. 38	
NO. 39	
NO. 40	
NO. 41	
NO. 42	
NO. 43	
NO. 44	
NO. 45	
NO. 46	
NO. 47	
NO. 48	
NO. 49	
NO. 50	
NO. 51	
NO. 52	
NO. 53	
NO. 54	
NO. 55	
NO. 56	
NO. 57	
NO. 58	
NO. 59	
NO. 60	
NO. 61	
NO. 62	
NO. 63	
NO. 64	
NO. 65	
NO. 66	
NO. 67	
NO. 68	
NO. 69	
NO. 70	
NO. 71	
NO. 72	
NO. 73	
NO. 74	
NO. 75	
NO. 76	
NO. 77	
NO. 78	
NO. 79	
NO. 80	
NO. 81	
NO. 82	
NO. 83	
NO. 84	
NO. 85	
NO. 86	
NO. 87	
NO. 88	
NO. 89	
NO. 90	
NO. 91	
NO. 92	
NO. 93	
NO. 94	
NO. 95	
NO. 96	
NO. 97	
NO. 98	
NO. 99	
NO. 100	

FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	88
CROSS SECTIONS				
CONTRACT NO. 83847		BLINDS	SUNSET AVENUE	

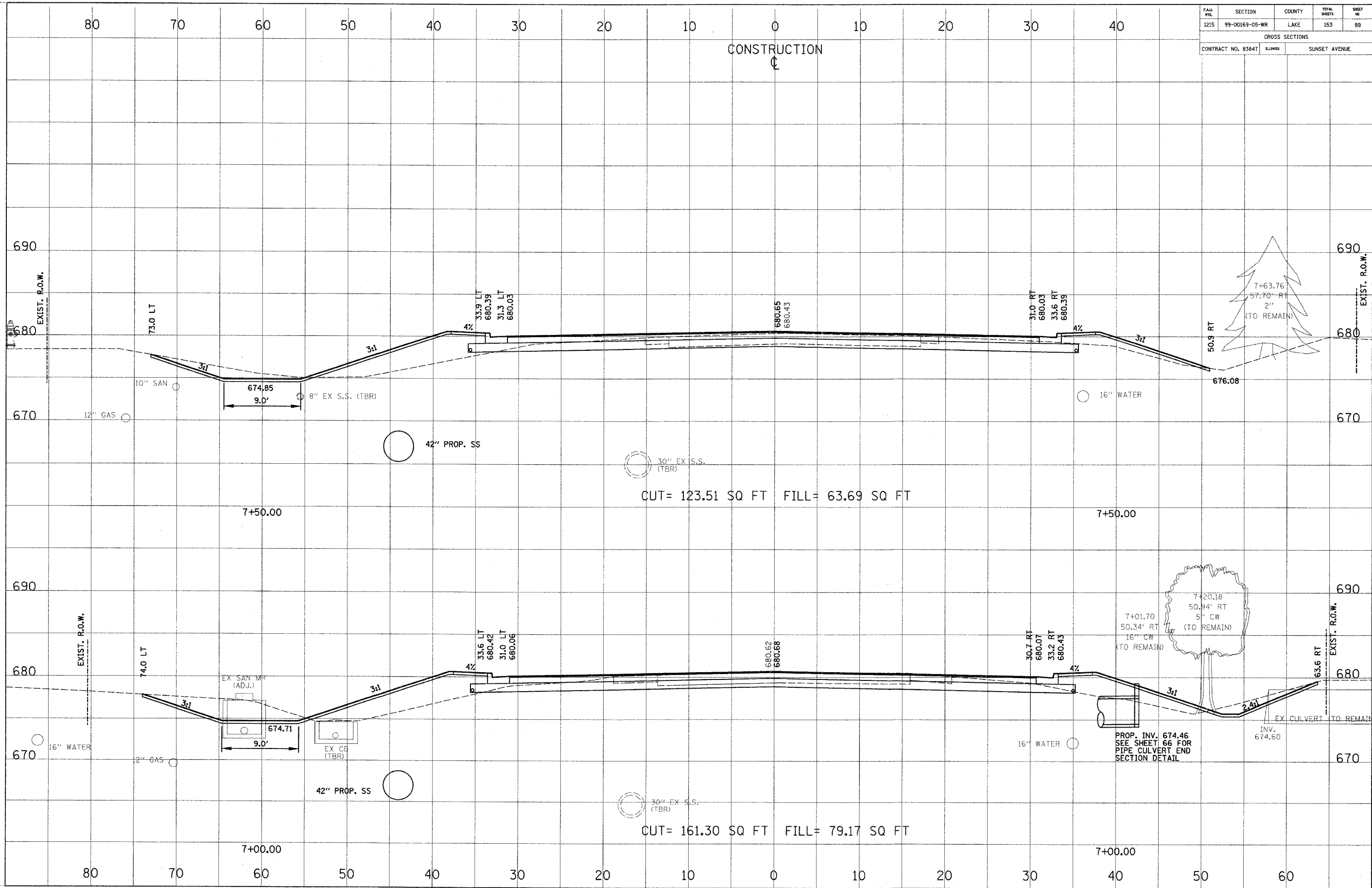




CROSS SECTION	NO.	DATE
SUBMITTED	BY	
REVISIONS		
SECTION	PLOTTED	
NOTE BOOK	REVISIONS CHECKED	
NO.	DATE	
	ADD FILE NAME	

CROSS SECTION	NO.	DATE
SUBMITTED	BY	
REVISIONS		
SECTION	PLOTTED	
NOTE BOOK	REVISIONS CHECKED	
NO.	DATE	
	ADD FILE NAME	

FILE	SECTION	COUNTY	TOTAL	SHEET
1215	99-00169-05-WR	LAKE	153	89
CROSS SECTIONS				
CONTRACT NO. 9384T		BLAMES	SUNSET AVENUE	



CONSTRUCTION  
C

CUT= 123.51 SQ FT FILL= 63.69 SQ FT

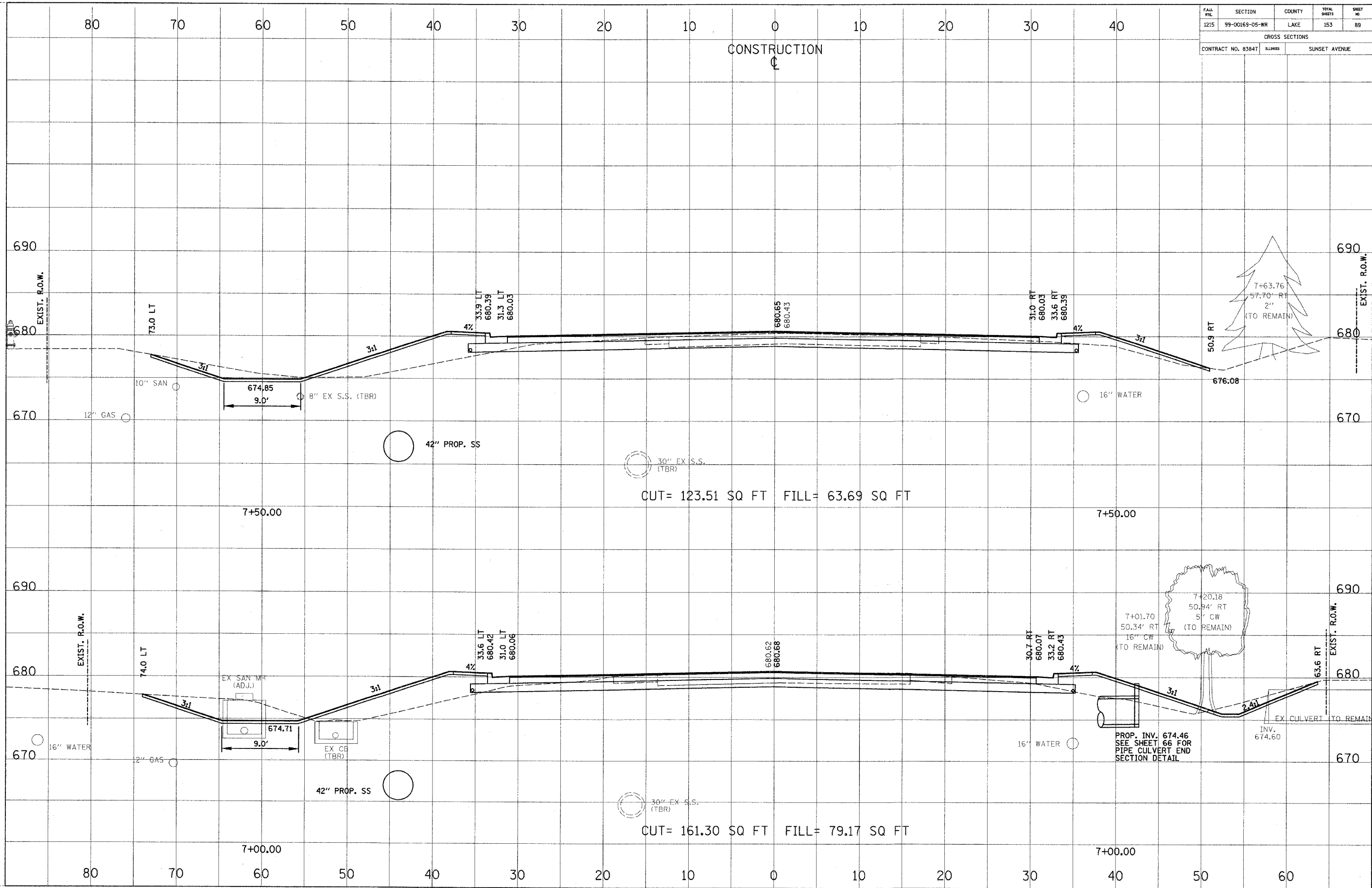
CUT= 161.30 SQ FT FILL= 79.17 SQ FT

PROP. INV. 674.46  
SEE SHEET 66 FOR  
PIPE CULVERT END  
SECTION DETAIL

7+01.70  
50.34' RT  
5' CW  
(TO REMAIN)

7+63.76  
57.70' RT  
2'  
(TO REMAIN)

INV.  
674.60

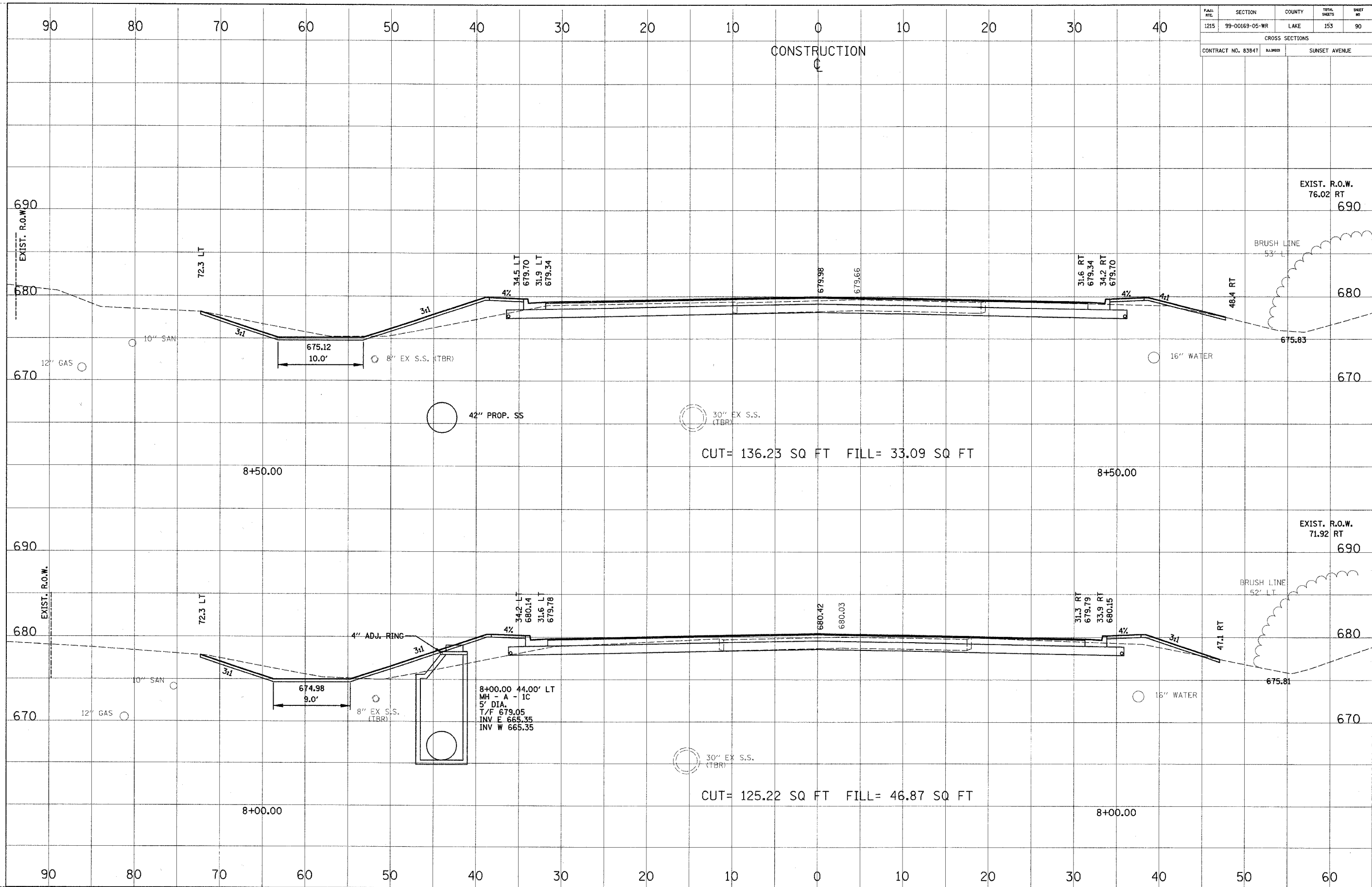


CROSS SECTION  
 SUBMITTED BY DATE  
 PLOTTED BY  
 CHECKED BY  
 NOTE BOOK NO.  
 FILE NAME

CROSS SECTION  
 SUBMITTED BY DATE  
 PLOTTED BY  
 CHECKED BY  
 NOTE BOOK NO.  
 FILE NAME

SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1215	99-00169-05-WR	LAKE	153

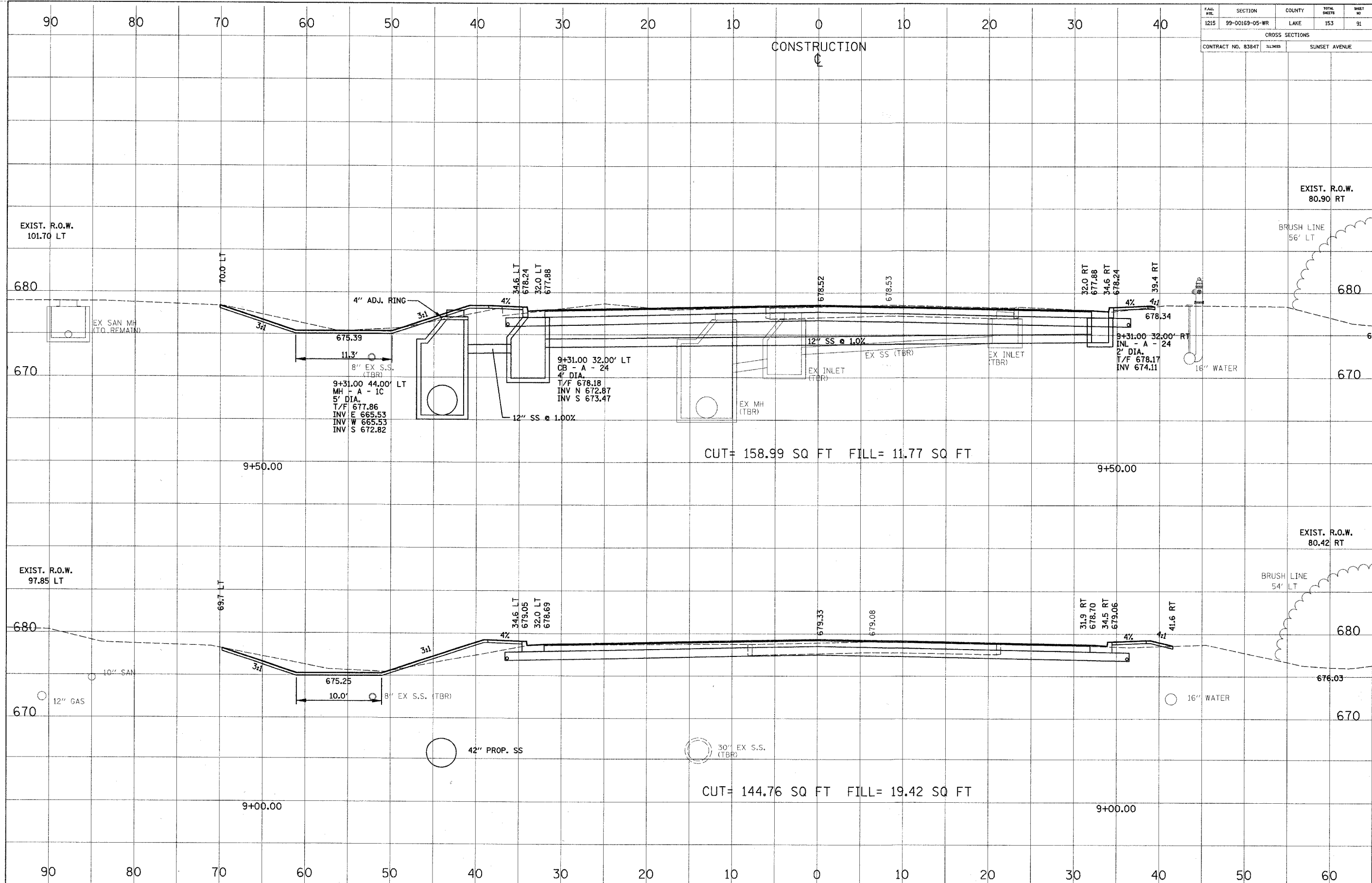
CROSS SECTIONS  
 CONTRACT NO. 8384T  
 NAME  
 SUNSET AVENUE



FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	91

CROSS SECTIONS	
CONTRACT NO. 83847	SUNSET AVENUE



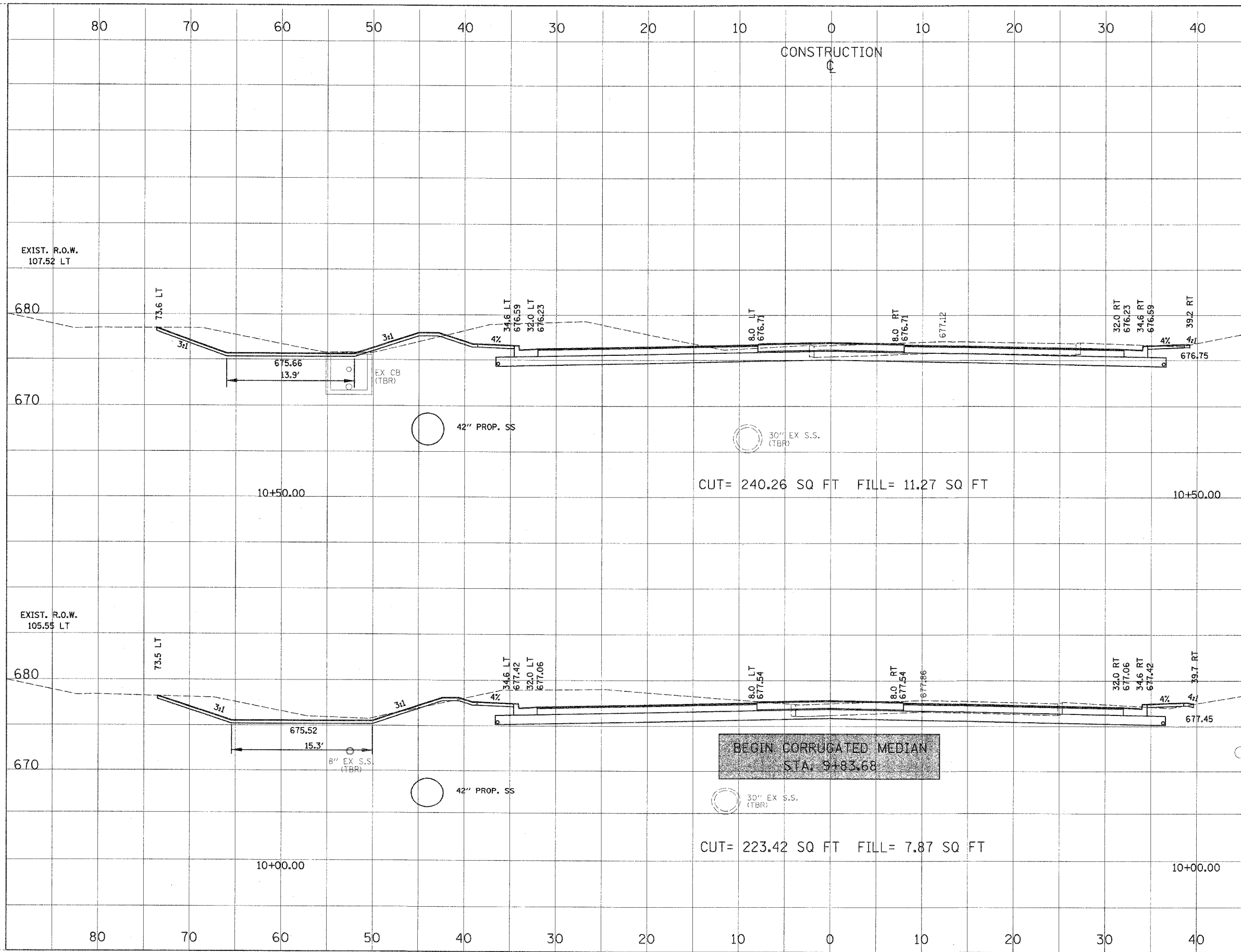
CROSS SECTION SUBMITTED BY DATE  
 SECTION PLOTTED BY  
 NOTE BOOK NO. CHECKED BY  
 STRUCTURE NO. FILE NAME  
 NO.

CROSS SECTION SUBMITTED BY DATE  
 SECTION PLOTTED BY  
 NOTE BOOK NO. CHECKED BY  
 STRUCTURE NO. FILE NAME  
 NO.

PLAN SHEET	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	92

CROSS SECTIONS	
CONTRACT NO. 83847	SUNSET AVENUE



CROSS SECTION NO. \_\_\_\_\_ DATE \_\_\_\_\_

BY \_\_\_\_\_

REVISIONS

SECTION PLOTTED \_\_\_\_\_

NOTE BOOK \_\_\_\_\_

NO. \_\_\_\_\_

FILE NAME \_\_\_\_\_

CROSS SECTION NO. \_\_\_\_\_ DATE \_\_\_\_\_

BY \_\_\_\_\_

REVISIONS

SECTION PLOTTED \_\_\_\_\_

NOTE BOOK \_\_\_\_\_

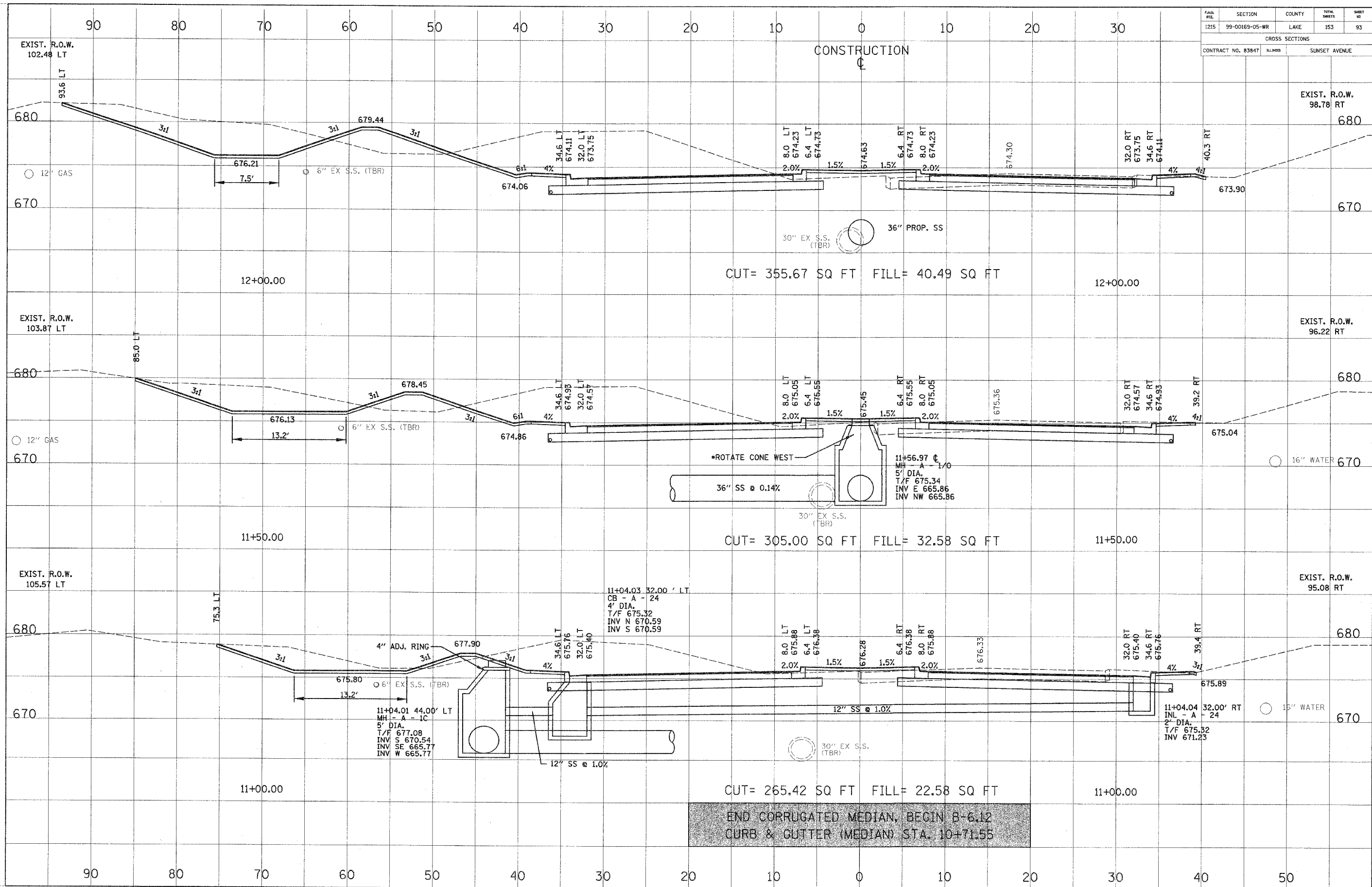
NO. \_\_\_\_\_

FILE NAME \_\_\_\_\_

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	153	93

CROSS SECTIONS	
CONTRACT NO. 8384T	SUNSET AVENUE



CROSS SECTION	DATE	BY
SUBMITTED		
PLOTTED		
CHECKED		
ALIGNED		
REVISIONS		
NO. BOOK		
FILE NAME		
NO.		

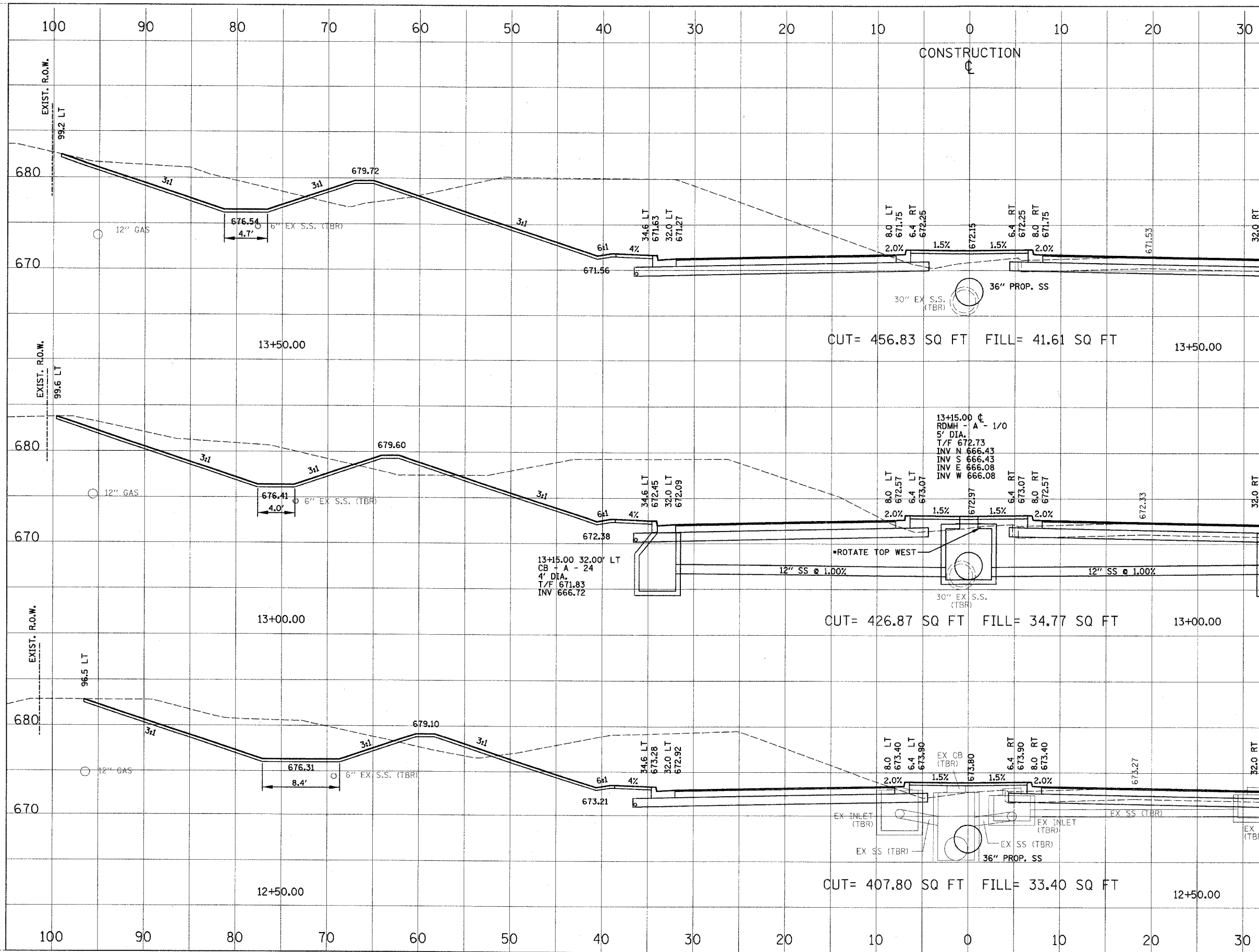
CROSS SECTION	DATE	BY
SUBMITTED		
PLOTTED		
CHECKED		
ALIGNED		
REVISIONS		
NO. BOOK		
FILE NAME		
NO.		

END CORRUGATED MEDIAN, BEGIN B-6.12 CURB & GUTTER (MEDIAN) STA. 10+71.55

PLAN SHEET	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	94

CROSS SECTIONS	
CONTRACT NO. 83847	SUNSET AVENUE



DATE	BY

CROSS SECTION	REVISION
SECTION PLOTTED	ALIGNED
NOTE BOOK	NO. 100
NO.	DATE FILE NAME

DATE	BY

CROSS SECTION	REVISION
SECTION PLOTTED	ALIGNED
NOTE BOOK	NO. 100
NO.	DATE FILE NAME

CONSTRUCTION  
C

CUT= 456.83 SQ FT FILL= 41.61 SQ FT

CUT= 426.87 SQ FT FILL= 34.77 SQ FT

CUT= 407.80 SQ FT FILL= 33.40 SQ FT

13+15.00 C  
RDMH - A - 1/0  
5' DIA.  
T/F 672.73  
INV N 666.43  
INV S 666.43  
INV E 666.08  
INV W 666.08

13+15.00 32.00' LT  
CB - A - 24  
4' DIA.  
T/F 671.83  
INV 666.72

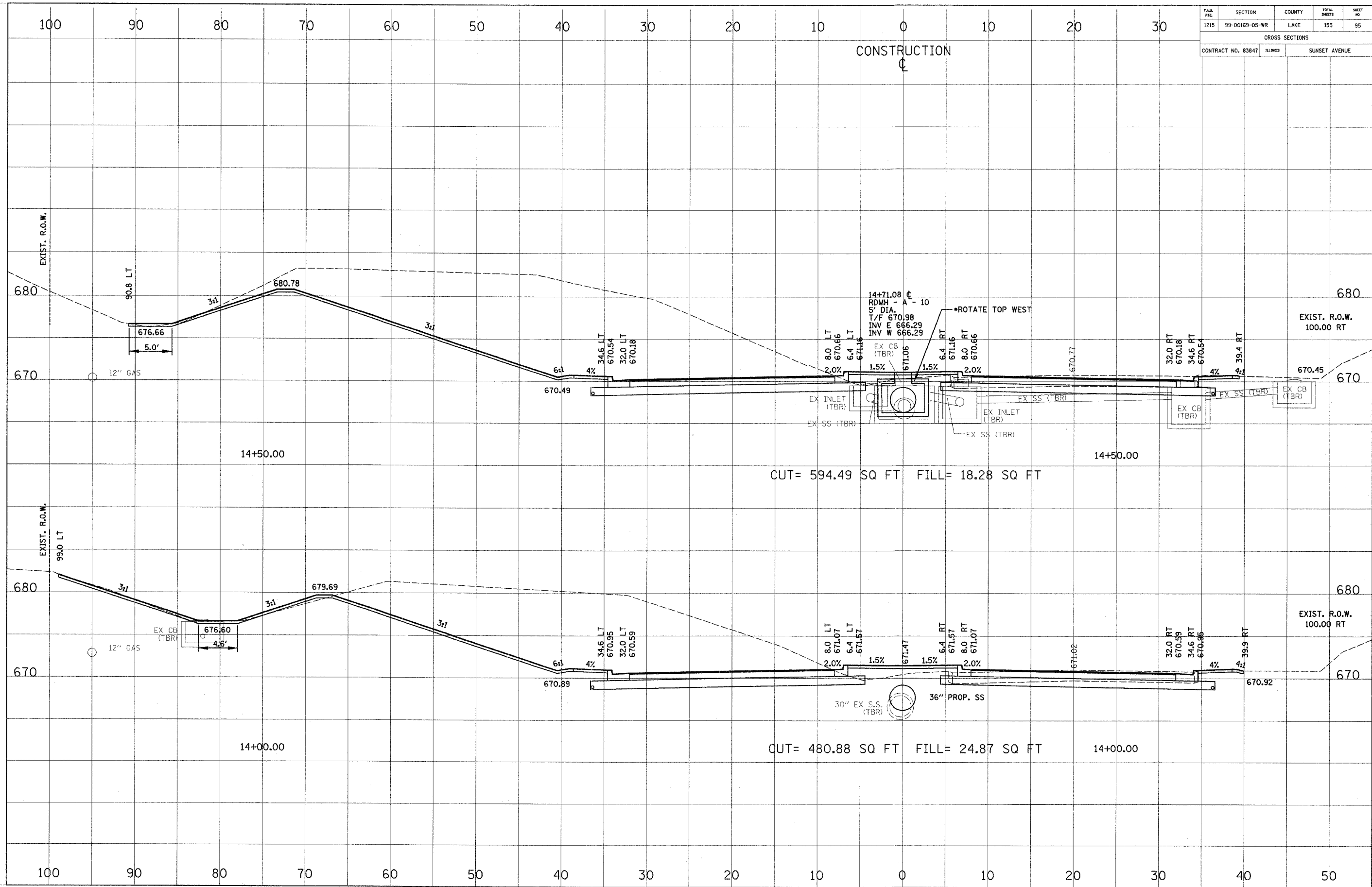
13+15.00 32.00' RT  
CB - A - 24  
4' DIA.  
T/F 671.83  
INV 666.72



FAA FILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1215	99-00169-05-WR	LAKE	153	95

CROSS SECTIONS	
CONTRACT NO. 83847	SUNSET AVENUE



CROSS SECTION NUMBER	BY	DATE
14+50.00		

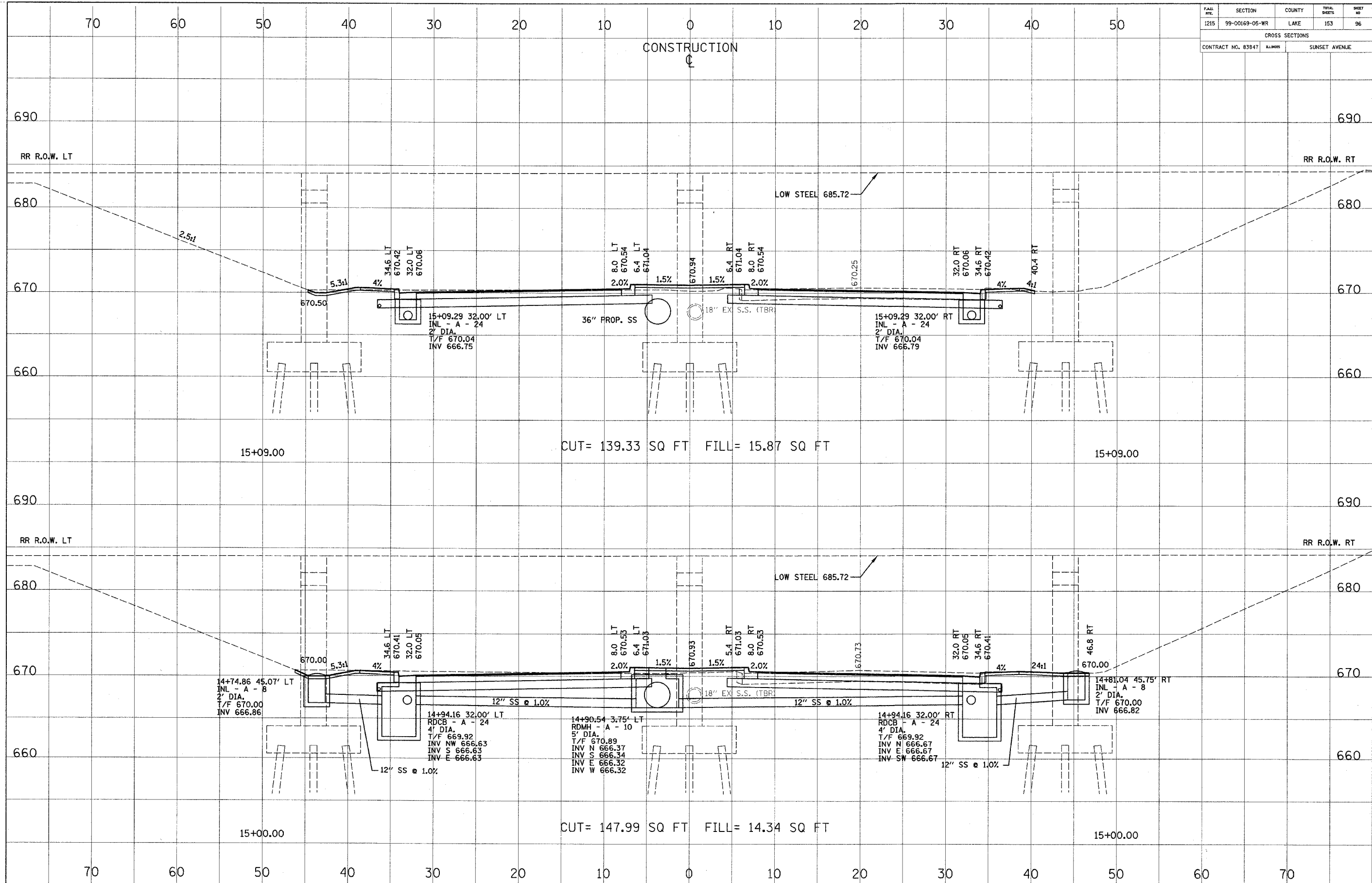
REVISIONS	DATE	BY

CROSS SECTION NUMBER	BY	DATE
14+00.00		

REVISIONS	DATE	BY

FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	96
CROSS SECTIONS				
CONTRACT NO. 83847		BLVD	SUNSET AVENUE	

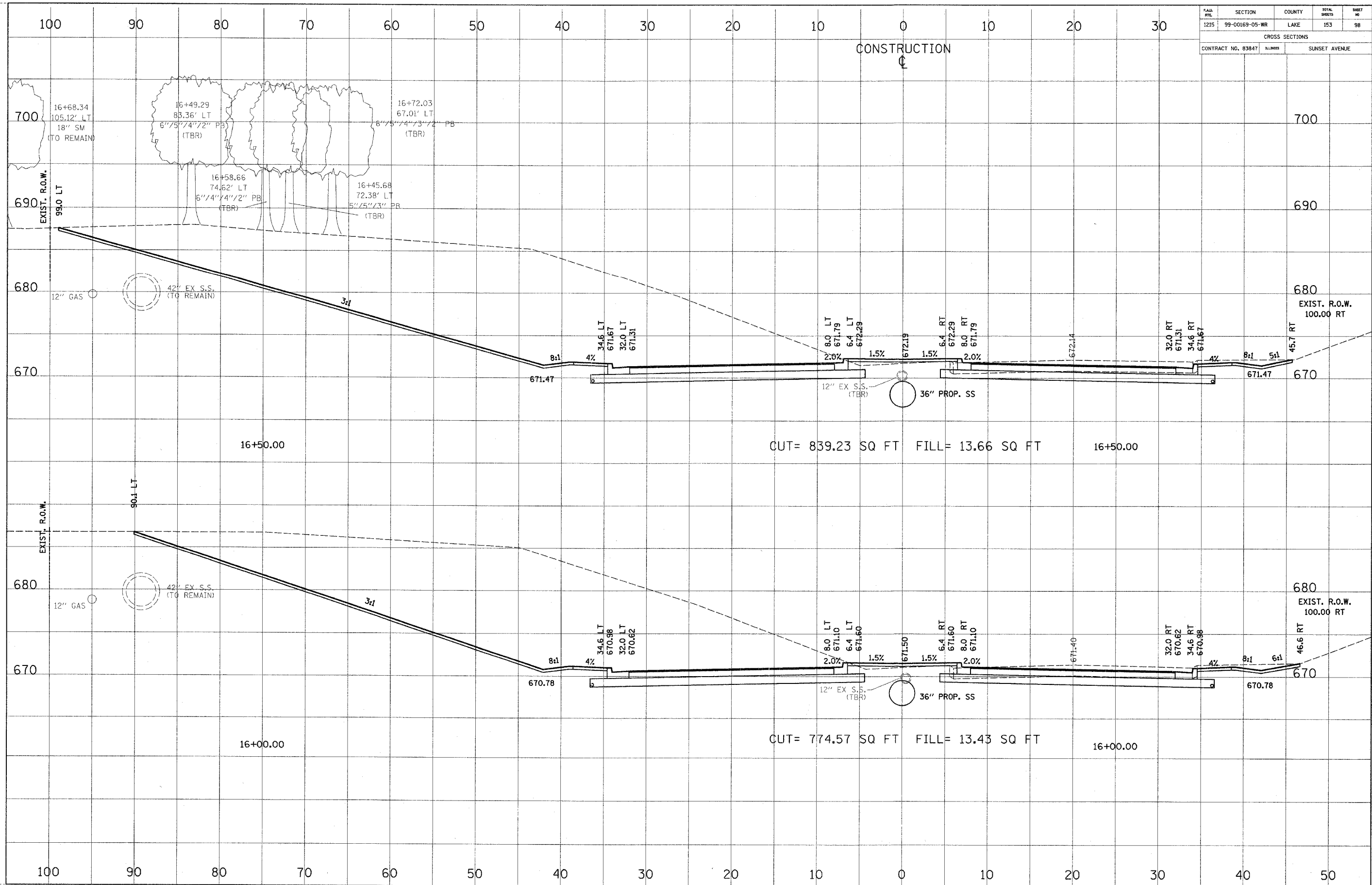


CROSS SECTION CHECKED BY DATE  
 SUBMITTED BY DATE  
 PLOTTED BY DATE  
 NOTE BOOK NO.  
 STRUCTURE NOTATIONS CHKD BY DATE  
 NO. FILE NAME

CROSS SECTION CHECKED BY DATE  
 SUBMITTED BY DATE  
 PLOTTED BY DATE  
 NOTE BOOK NO.  
 STRUCTURE NOTATIONS CHKD BY DATE  
 NO. FILE NAME



PLAN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	98
CROSS SECTIONS				
CONTRACT NO. 83847		BLANKS	SUNSET AVENUE	



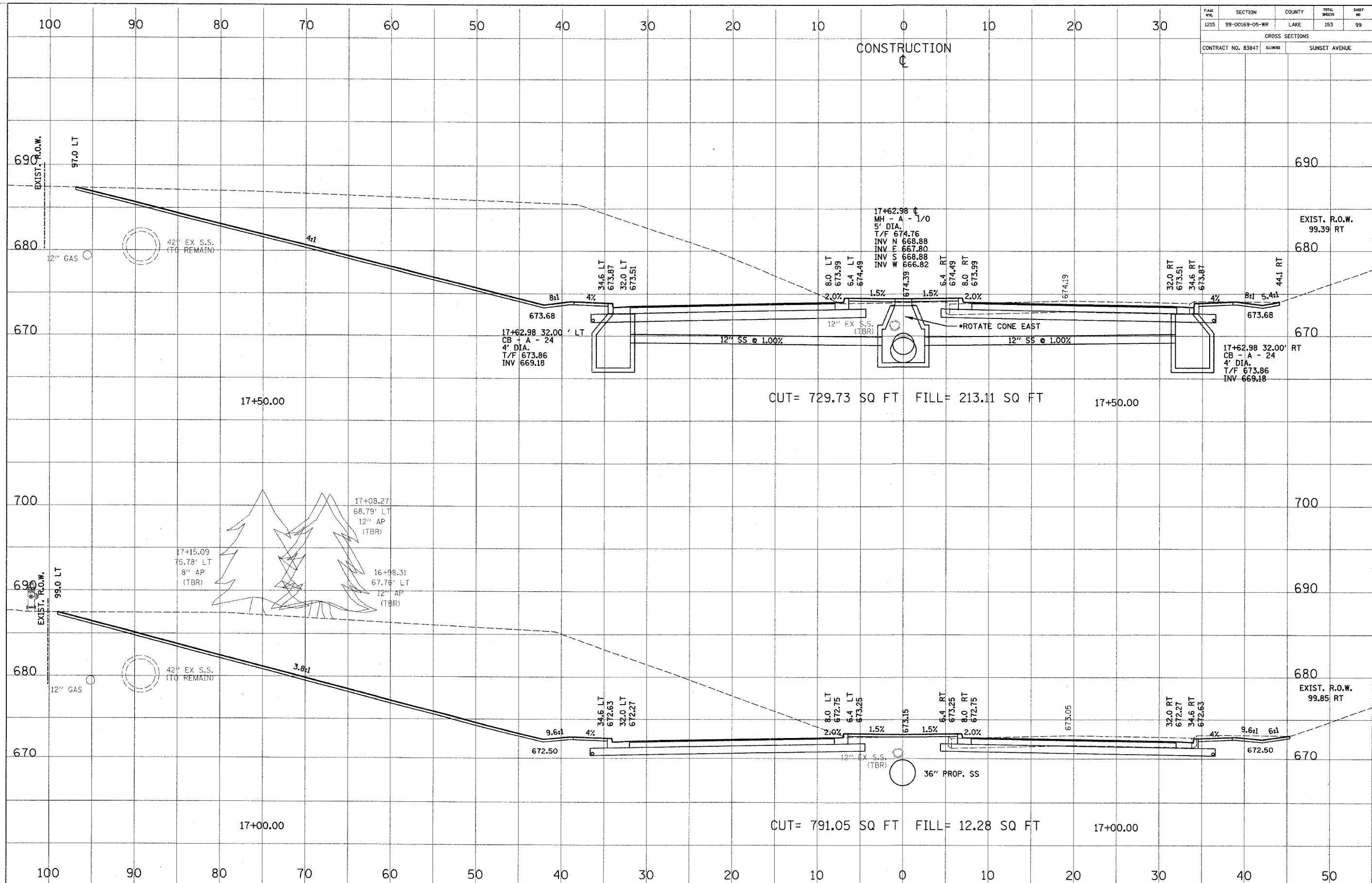
CROSS SECTION	DATE
NO.	
NOTE BOOK	
NO.	
NO.	
NO.	
NO.	

CROSS SECTION	DATE
NO.	
NOTE BOOK	
NO.	
NO.	
NO.	
NO.	

FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1215	99-00169-05-WR	LAKE	153	99

CROSS SECTIONS	
CONTRACT NO. 8384T	SUNSET AVENUE



NO.	DATE	BY

CROSS SECTION	REVISION	DATE

NO.	DATE	BY

CROSS SECTION	REVISION	DATE

CROSS SECTION	DATE
SECTION	BY
PLOTTED	BY
NOTED	BY
NO. _____	DATE
NO. _____	DATE
NO. _____	DATE
NO. _____	DATE

CROSS SECTION	DATE
SECTION	BY
PLOTTED	BY
NOTED	BY
NO. _____	DATE
NO. _____	DATE
NO. _____	DATE
NO. _____	DATE

FAIR	SECTION	COUNTY	TOTAL	SHEET
1215	99-00169-05-WR	LAKE	153	100
CROSS SECTIONS				
CONTRACT NO. 83847		SUNSET AVENUE		

