

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73+2	1

63123 Total Sheets 75 Including 19A+49A

FOR INDEX OF SHEETS SEE SHEET NO. 2

DESIGN DESIGNATION
2150(16) ARTERIAL 5.50 (PCC-20)

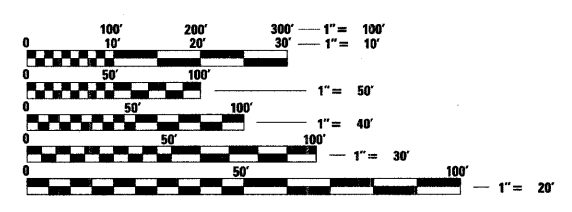
ERICK STREET

STRUCTURAL DESIGN TRAFFIC:	Year 2030
PV = 2284	SU = 203 MU = 51
ROAD/STREET CLASSIFICATION:	Class Collector
TRAFFIC FACTOR:	Actual TF = .34
SUBGRADE SUPPORT RATING:	
SSR = POOR	DESIGN SPEED = 35 MPH

ILLINOIS ROUTE 176

STRUCTURAL DESIGN TRAFFIC:	Year 2030
PV = 21,669	SU = 1830 MU = 458
ROAD/STREET CLASSIFICATION:	Class ARTERIAL
TRAFFIC FACTOR:	Actual TF = 3.9
SUBGRADE SUPPORT RATING:	
SSR = POOR	DESIGN SPEED = 45 MPH

PROJECT LOCATED IN
CITY OF CRYSTAL LAKE

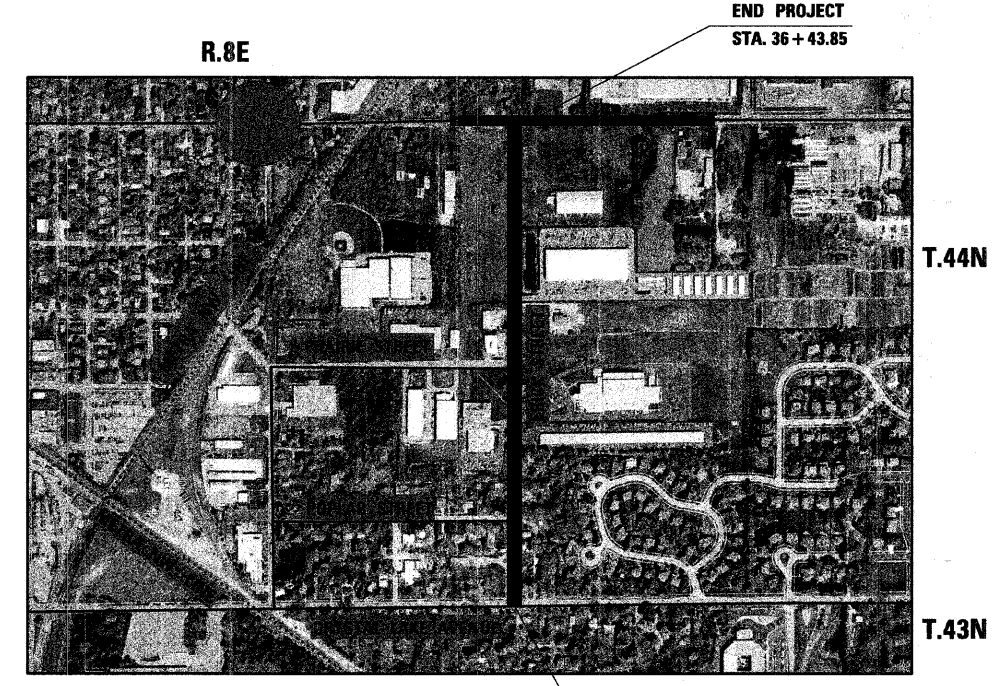


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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



FAU ROUTE 0125 (ERICK STREET)
CRYSTAL LAKE AVENUE TO ILLINOIS ROUTE 176
ROADWAY WIDENING AND RECONSTRUCTION
SECTION 96-00091-00-FP
PROJECT M-CMM-7003 (397)
MCHENRY COUNTY
C-91-420-96



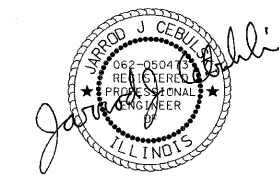
LOCATION MAP
SCALE : 1" = 2000'

GROSS & NET LENGTH FOR ERICK STREET = 2629.1 LF. = 0.498 MI.



IDOT ASSOCIATE FIELD ENGINEER: KEVIN STALLWORTH, P.E. (847) 705-4169

PATRICK ENGINEERING INC.
JARROD J. CEBULSKI, P.E.



EXP. 11-30-09
DATE 12-11-08

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED December 12, 2008
[Signature]
CITY OF CRYSTAL LAKE

PASSED DECEMBER 16 2008
[Signature]
DISTRICT ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW
December 16 2008
[Signature]
DISTRICT ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	2
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

CONTRACT #63123

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES & COMMITMENTS
3-8	SUMMARY OF QUANTITIES
9-10	TYPICAL SECTIONS
11-14	SCHEDULE OF QUANTITIES
15	ALIGNMENT, TIES, & BENCHMARKS
16-18	PLAN & PROFILE
19-21	SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL
22-25	EROSION & SEDIMENT CONTROL PLAN
26-36	DRAINAGE & UTILITIES SHEETS
37-46	RIGHT OF WAY PLATS
47-48	PAVEMENT MARKING, SIGNING, & LANDSCAPING PLAN
49-55	SPECIAL DETAILS
56	RETAINING WALL
57-73	CROSS SECTIONS

HIGHWAY STANDARDS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
424001-05	CURB RAMPS FOR SIDEWALK
482001-02	HMA SHOULDER ADJUST TO FLEXIBLE PAVEMENT
482011-03	HMA SHOULDER STRIPS (SHOULDERS) WITH RESURFACING OR WIDENING
542301-02	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306-02	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
542311-01	GRATING FOR CONCRETE FLARED END SECTION
602001-01	CATCH BASIN, TYPE A
602011-01	CATCH BASIN, TYPE C
602301-02	INLET, TYPE A
602401-02	MANHOLE, TYPE A
604001-03	FRAME AND LIDS, TYPE 1
604036-02	GRATE, TYPE 8
604091-02	FRAME AND GRATE, TYPE 24
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS-DAY ONLY
701326-03	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING FOR SPEEDS >= 45 MPH
701601-06	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701801-04	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-02	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT

GENERAL NOTES

- THE THICKNESS OF HOT-MIX ASPHALT MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT-MIX ASPHALT MIXTURE IS PLACED.
- THE HOT-MIX ASPHALT SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SAW CUT THE HOT-MIX ASPHALT SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE HOT-MIX ASPHALT SURFACE.
- EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
- BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.
- THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HOT-MIX ASPHALT LIFTS.
- FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.
- SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDING WILL BE DETERMINED BY THE ENGINEER.
- FOR NEW CONSTRUCTION, PLACE SIDEWALK RAMPS FOR THE HANDICAPPED (STANDARD 424001) AT ALL LOCATIONS WHERE PROPOSED SIDEWALK ABUTS CURB AT STREET ENTRANCES.
- ALL ELEVATIONS REFER TO NATIONAL GEODETIC VERTICAL DATUM 29.
- ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED ON THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
- THE COST OF MAKING ANY SEWER CONNECTIONS TO AN EXISTING DRAINAGE STRUCTURE OR PIPE SHALL BE INCLUDED IN THE COST OF THE NEW SEWER.
- MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE: COMCAST, COMED, NICOR, AT&T, IL AMERICAN WATER, MCI, & THE VILLAGE OF CRYSTAL LAKE.
- DELINEATOR REMOVAL SHALL BE CONSIDERED INCLUDED IN THE COST OF EARTH EXCAVATION.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / SQ YD
HOT-MIX ASPHALT MAT PRIME COAT	0.08	TONS / CU YD
	0.375	GAL / SQ YD
AGGREGATE PRIME COAT	0.002	GAL / SQ YD
HOT-MIX ASPHALT RESURFACING	115	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT /100 FT OF APPLICATION
MIX FOR CRACKS, JNTS & FLNGWYS	0.0003	TONS / SQ YD
LEVEL BINDER (HAND METHOD)	0.0005	TONS / SQ YD
SUPPLEMENTAL WATERING	3	GAL / SQ YD / APPLICATION
CALCIUM CHLORIDE	2	LB / SQ YD / APPLICATION
TEMPORARY DITCH CHECKS	9	BALES OR
	5	TONS AGGREGATE

COMMITMENTS

- THE CITY WILL PASS AN ORDINANCE TO REMOVE THE WEIGHT RESTRICTION ON ERICK STREET.
- TREES REMOVED DURING CONSTRUCTION WILL BE REPLACED PER IDOT REQUIREMENTS.

REVISIONS		CITY OF CRYSTAL LAKE ERICK STREET (FAU 0125)
NAME	DATE	
		INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, AND COMMITMENTS

SCALE: NONE
DATE: DECEMBER 15, 2008

DRAWN BY: MJV
CHECKED BY: DES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	3
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT #63123				

SUMMARY OF QUANTITIES

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QTY.	L23	L40
				STP FUNDS <i>I000-2A</i>	CMAQ FUNDS <i>SFTY-1B</i>
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	162	162	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	292	292	
20101000	TEMPORARY FENCE	FOOT	40	40	
20101100	TREE TRUNK PROTECTION	EACH	23	23	
20101700	SUPPLEMENTAL WATERING	UNIT	167	167	
20200100	EARTH EXCAVATION	CU YD	9618	9618	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1383	1383	
20700220	POROUS GRANULAR EMBANKMENT	CU YD	333	333	
20700420	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	703	703	
20800150	TRENCH BACKFILL	CU YD	2036	2036	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	13611	13611	
* 21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	14818	14818	
* 25000200	SEEDING, CLASS 2	ACRE	0.8	0.8	
* 25000312	SEEDING, CLASS 4A	ACRE	1.1	1.1	
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	249	249	
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	249	249	
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	249	249	
25100630	EROSION CONTROL BLANKET	SQ YD	8991	8991	
* 25200110	SODDING, SALT TOLERANT	SQ YD	11083	11083	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	338	338	
28000300	TEMPORARY DITCH CHECKS	EACH	13	13	
28000400	PERIMETER EROSION BARRIER	FOOT	9714	9714	
28000510	INLET FILTERS	EACH	64	64	
28100105	STONE RIPRAP, CLASS A3	SQ YD	1	1	
28100107	STONE RIPRAP, CLASS A4	SQ YD	31	31	
28200200	FILTER FABRIC	SQ YD	32	32	
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	1863	1863	

* SPECIALTY ITEMS

REVISIONS	
NAME	DATE

CITY OF CRYSTAL LAKE
ERICK STREET (FAU 0125)
SUMMARY OF QUANTITIES

SCALE: NONE
DATE: DECEMBER 15, 2008
DRAWN BY: MJV
CHECKED BY: DES



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FF	MCHENRY	73	4
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT #63123				

SUMMARY OF QUANTITIES					
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QTY.	STP FUNDS	CMAQ FUNDS
35600708	HOT-MIX ASPHALT BASE COURSE WIDENING, 8"	SQ YD	1737	1737	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	643	643	
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	16	16	
40600895	CONSTRUCTING TEST STRIP	EACH	4	4	
40603085	HOT-MIX ASPHALT BINDER COURSE, 2 3/4", IL-19.0, N70	TON	232	232	
40603310	HOT-MIX ASPHALT SURFACE COURSE, 2", MIX "C", N50	TON	215	215	
40603340	HOT-MIX ASPHALT SURFACE COURSE, 1 1/2", MIX "D", N70	TON	127	127	
40701811	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6 1/2"	SQ YD	11665	11665	
42001300	PROTECTIVE COAT	SQ YD	4918	2101	2817
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	315	315	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	25352		25352
44000100	PAVEMENT REMOVAL	SQ YD	7797	7797	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	3238	3238	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1364	1364	
44000600	SIDEWALK REMOVAL	SQ FT	495	495	
44004000	PAVED DITCH REMOVAL	FOOT	211	211	
44004250	PAVED SHOULDER REMOVAL	SQ YD	231	231	
44201759	CLASS D PATCHES, TYPE IV, 9"	SQ YD	28	28	
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	2676	2676	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	44	44	
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	507	507	
50104400	CONCRETE HEADWALL REMOVAL	EACH	2	2	
50200100	STRUCTURE EXCAVATION	CU YD	504	504	
50900500	ALUMINUM RAILING	FOOT	282	282	
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 12"	EACH	1	1	
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 15"	EACH	6	6	
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 24"	EACH	1	1	

REVISIONS	
NAME	DATE

CITY OF CRYSTAL LAKE

ERICK STREET (FAU 0125)

SUMMARY OF QUANTITIES

SCALE: NONE
DATE: DECEMBER 15, 2008

DRAWN BY: MJV
CHECKED BY: DES



SUMMARY OF QUANTITIES					
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QTY.	STP FUNDS	CMAQ FUNDS
54214743	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 48"	EACH	1	1	
54248180	GRATING FOR CONCRETE FLARED END SECTION EQUIVALENT ROUND-SIZE 48"	EACH	1	1	
55019500	STORM SEWERS, TYPE 1, RCP, CLASS IV, 12"	FOOT	13	13	
55019600	STORM SEWERS, TYPE 1, RCP, CLASS IV, 15"	FOOT	108	108	
55019900	STORM SEWERS, TYPE 1, RCP, CLASS IV, 24"	FOOT	115	115	
55021600	STORM SEWERS, TYPE 2, RCP, CLASS III, 12"	FOOT	944	944	
55021700	STORM SEWERS, TYPE 2, RCP, CLASS III, 15"	FOOT	341	341	
55021800	STORM SEWERS, TYPE 2, RCP, CLASS III, 18"	FOOT	217	217	
55022000	STORM SEWERS, TYPE 2, RCP, CLASS III, 24"	FOOT	581	581	
55022200	STORM SEWERS, TYPE 2 RCP, CLASS III 30"	FOOT	106	106	
55022500	STORM SEWERS, TYPE 2, RCP, CLASS III, 42"	FOOT	71	71	
55022600	STORM SEWERS, TYPE 2, RCP, CLASS III, 48"	FOOT	374	374	
55034200	STORM SEWERS, TYPE 1, REINFORCED CONCRETE ELLIPTICAL PIPE, SPAN 23, RISE 14	FOOT	25	25	
55034800	STORM SEWERS, TYPE 1, REINFORCED CONCRETE ELLIPTICAL PIPE, SPAN 60, RISE 38	FOOT	447	447	
55100300	STORM SEWER REMOVAL, 8"	FOOT	126	126	
55100500	STORM SEWER REMOVAL, 12"	FOOT	467	467	
55100700	STORM SEWER REMOVAL, 15"	FOOT	515	515	
55101200	STORM SEWER REMOVAL, 24"	FOOT	63	63	
* 56106400	ADJUSTING WATER MAIN 8"	FOOT	120	120	
* 56106500	ADJUSTING WATER MAIN 10"	FOOT	40	40	
* 56300100	ADJUSTING SANITARY SEWERS, 8-INCH DIAMETER OR LESS	FOOT	200	200	
* 56300300	ADJUSTING WATER SERVICE LINES	FOOT	200	200	
* 56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	1	1	
* 56400400	FIRE HYDRANTS TO BE RELOCATED	EACH	9	9	
* 56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	1	1	
60201340	CATCH BASIN, TYPE A, 4' DIA., TYPE 24 FRAME AND GRATE	EACH	5	5	
60202710	CATCH BASINS, TYPE A, 4'-DIAMETER, WITH SPECIAL FRAME AND GRATE	EACH	4	4	

REVISIONS	
NAME	DATE

CITY OF CRYSTAL LAKE
 ERICK STREET (FAU 0125)
 SUMMARY OF QUANTITIES

SCALE: NONE
 DATE: DECEMBER 15, 2008
 DRAWN BY: MJV
 CHECKED BY: DES



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	6
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT #63123

SUMMARY OF QUANTITIES					
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QTY.	STP FUNDS	CMAQ FUNDS
60205040	CATCH BASIN, TYPE A, 5' DIA., TYPE 24 FRAME AND GRATE	EACH	1	1	
60205620	CATCH BASINS, TYPE A, 5'-DIAMETER, WITH SPECIAL FRAME AND GRATE	EACH	1	1	
60207605	CATCH BASIN, TYPE C, TYPE 8 GRATE	EACH	4	4	
60208240	CATCH BASIN, TYPE C, TYPE 24 FRAME AND GRATE	EACH	1	1	
60218400	MANHOLE, TYPE A, 4' DIA., TYPE 1 FRAME, CLOSED LID	EACH	3	3	
XX007804	MANHOLE, TYPE A, 4' DIA., TYPE 1 FRAME, CLOSED LID, <i>FLAT SLAB TOP</i>	EACH	1	1	
60220240	MANHOLES, TYPE A, 4'-DIAMETER, WITH SPECIAL FRAME, CLOSED LID	EACH	10	10	
60222940	MANHOLES, TYPE A, 5'-DIAMETER, WITH SPECIAL FRAME, CLOSED LID	EACH	9	9	
60224095	MANHOLES, TYPE A, 6'-DIAMETER, WITH SPECIAL FRAME, CLOSED LID	EACH	2	2	
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	1	1	
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	2	2	
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	16	16	
60266800	VALVE BOXES TO BE ADJUSTED	EACH	1	1	
60500040	REMOVING MANHOLES	EACH	1	1	
60500050	REMOVING CATCH BASINS	EACH	3	3	
60500060	REMOVING INLETS	EACH	3	3	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	6189	6189	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1231	1231	
66410400	CHAIN LINK FENCE TO BE REMOVED AND RE-ERECTED	FOOT	40	40	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	
67100100	MOBILIZATION	L SUM	1	1	
70101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	6	6	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1644	1644	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	10386	10386	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	23	23	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2609	2609	

REVISIONS	
NAME	DATE

CITY OF CRYSTAL LAKE

ERICK STREET (FAU 0125)
SUMMARY OF QUANTITIES

SCALE: NONE
DATE: DECEMBER 15, 2008

DRAWN BY: MJV
CHECKED BY: DES

PATRICK
ENGINEERING INC.
LISLE, ILLINOIS

SUMMARY OF QUANTITIES					
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QTY.	STP FUNDS	CMAQ FUNDS
72000100	SIGN PANEL - TYPE 1	SQ FT	23	23	
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	85	85	
73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	6	6	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	432	432	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	19382	19382	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1380	1380	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	402	402	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	120	120	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	210	210	
78300100	PAVEMENT MARKING REMOVAL	SQ FT	958	958	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	18	18	
* A2001818	TREE, ACER SACCHARUM GREEN MOUNTAIN (GREEN MOUNTAIN SUGAR MAPLE), 2-1/4" CALIPER, B&B	EACH	12	12	
* A2007920	TREE, TILIA AMERICANA REDMOND (REDMOND AMERICAN LINDEN), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	13	13	
* D2002272	EVERGREEN, PICEA PUNGENS GLAUCA(COLORADO BLUE SPRUCE), 6' HEIGHT, BALLED AND BURLAPPED	EACH	2	2	
* X0321556	SANITARY MANHOLES TO BE ADJUSTED	EACH	14	14	
X0322033	STORM SEWERS, (WATER MAIN REQUIREMENTS), 12"	FOOT	268	268	
X0322034	STORM SEWERS, (WATER MAIN REQUIREMENTS), 15"	FOOT	44	44	
X0322035	STORM SEWERS, (WATER MAIN REQUIREMENTS), 18"	FOOT	1014	1014	
X0322089	STORM SEWERS, (WATER MAIN REQUIREMENTS), 36"	FOOT	96	96	
X0322090	STORM SEWERS, (WATER MAIN REQUIREMENTS), 42"	FOOT	137	137	
X0322125	STORM SEWERS, (WATER MAIN REQUIREMENTS), 24"	FOOT	500	500	
X0322127	STORM SEWERS, (WATER MAIN REQUIREMENTS), 30"	FOOT	96	96	
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	601	601	
X0323265	REMOVE EXISTING RIPRAP	SQ YD	24	24	
X0323455	ADJUST MONITORING WELL	EACH	3	3	
* X0325775	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4 INCH	FOOT	7671	7671	
* X0325841	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 24 INCH	FOOT	26	26	

REVISIONS	
NAME	DATE

CITY OF CRYSTAL LAKE
 ERICK STREET (FAU 0125)
 SUMMARY OF QUANTITIES

SCALE: NONE
 DATE: DECEMBER 15, 2008
 DRAWN BY: MJV
 CHECKED BY: DES



SUMMARY OF QUANTITIES					
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QTY.	STP FUNDS	CMAQ FUNDS
X0712400	TEMPORARY PAVEMENT	SQ YD	2730	2730	
XX002071	INLETS, TYPE A, WITH SPECIAL FRAME AND GRATE	EACH	6	6	
XX003503	FLARED END SECTION REMOVAL	EACH	7	7	
XX004056	MECHANICALLY STABILIZED EARTH RETAINING WALL	SQ FT	1830	1830	
XX006588	SLIP-ON FLAT BOTTOM CHECK VALVE, 12"	EACH	1	1	
XX006852	EXPLORATION TRENCH, SPECIAL	CU YD	200	200	
XX006865	MANHOLES, TYPE A, 7'-DIAMETER, WITH SPECIAL FRAME, CLOSED LID	EACH	1	1	
Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	13611	13611	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
XX007799	CATCH BASIN, TYPE C, 4'-DIAMETER, WITH SPECIAL FRAME AND GRATE	EACH	40	40	
XX007800	CATCH BASIN, TYPE C, 4'-DIAMETER, WITH SPECIAL FRAME, OPEN LID	EACH	2	2	
XX007801	MANHOLES, TYPE A, 4'-DIAMETER, WITH SPECIAL FRAME, CLOSED LID, FLAT SLAB TOP	EACH	1	1	
XX007802	MANHOLES, TYPE A, 8'-DIAMETER, WITH SPECIAL FRAME, OPEN LID	EACH	1	1	
XX007803	MANHOLES, TYPE A, 8'-DIAMETER, WITH SPECIAL FRAME, CLOSED LID	EACH	3	3	
Δ Z0076600	TRAINEES	HOUR	1,500	1,500	
42400800	DETECTABLE WARNINGS	SQ FT	250		250

Δ= Y080



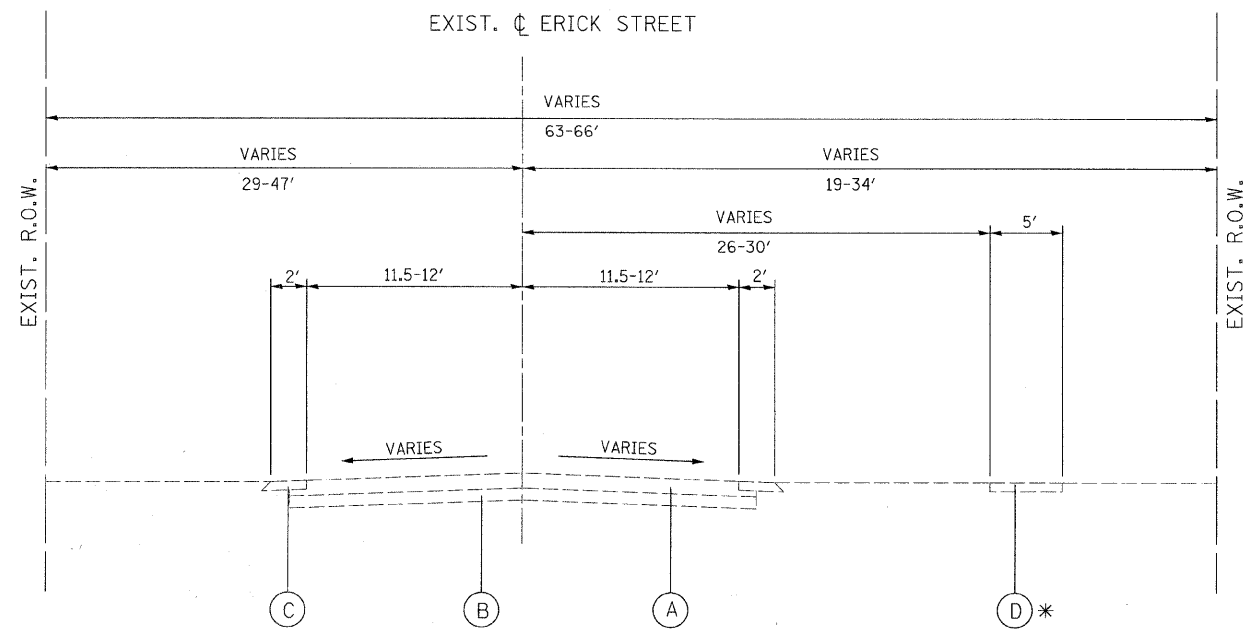
REVISIONS	
NAME	DATE

CITY OF CRYSTAL LAKE
 ERICK STREET (FAU 0125)
 SUMMARY OF QUANTITIES

SCALE: NONE
 DATE: DECEMBER 15, 2008

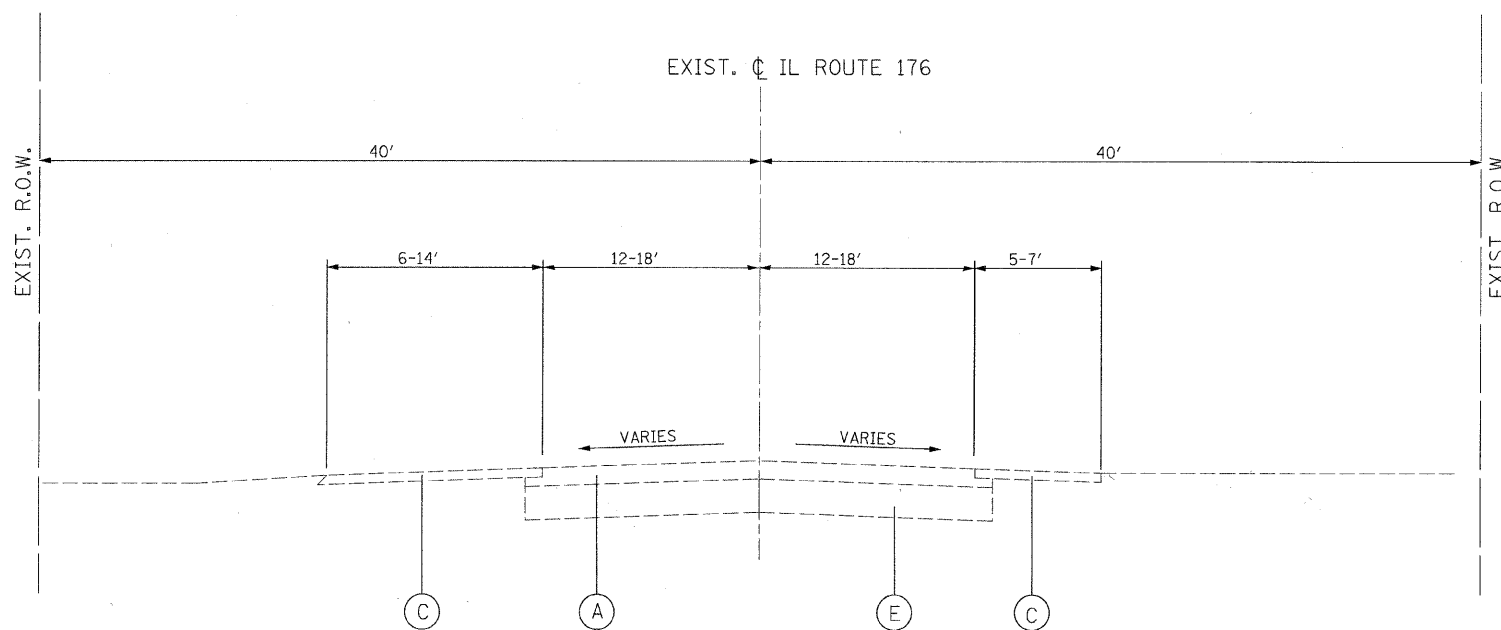
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	9
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT #63123				



ERICK STREET
 STA. 10+13.81 TO STA. 36+43.85
 * STA. 26+61.67 TO STA. 36+43.85

- EXISTING LEGEND**
- (A) HOT-MIX ASPHALT SURFACE COURSE, 6"±
 - (B) GRANULAR BASE COURSE, 2 1/2 - 4"
 - (C) GRAVEL SHOULDER
 - (D) PORTLAND CEMENT CONCRETE SIDEWALK
 - (E) PORTLAND CEMENT CONCRETE BASE COURSE, 8 - 9"



ILLINOIS ROUTE 176
 STA. 206+13.05 TO STA. 220+50.00

REVISIONS	
NAME	DATE

CITY OF CRYSTAL LAKE
 ERICK STREET (FAU 0125)
 EXISTING
 TYPICAL SECTIONS

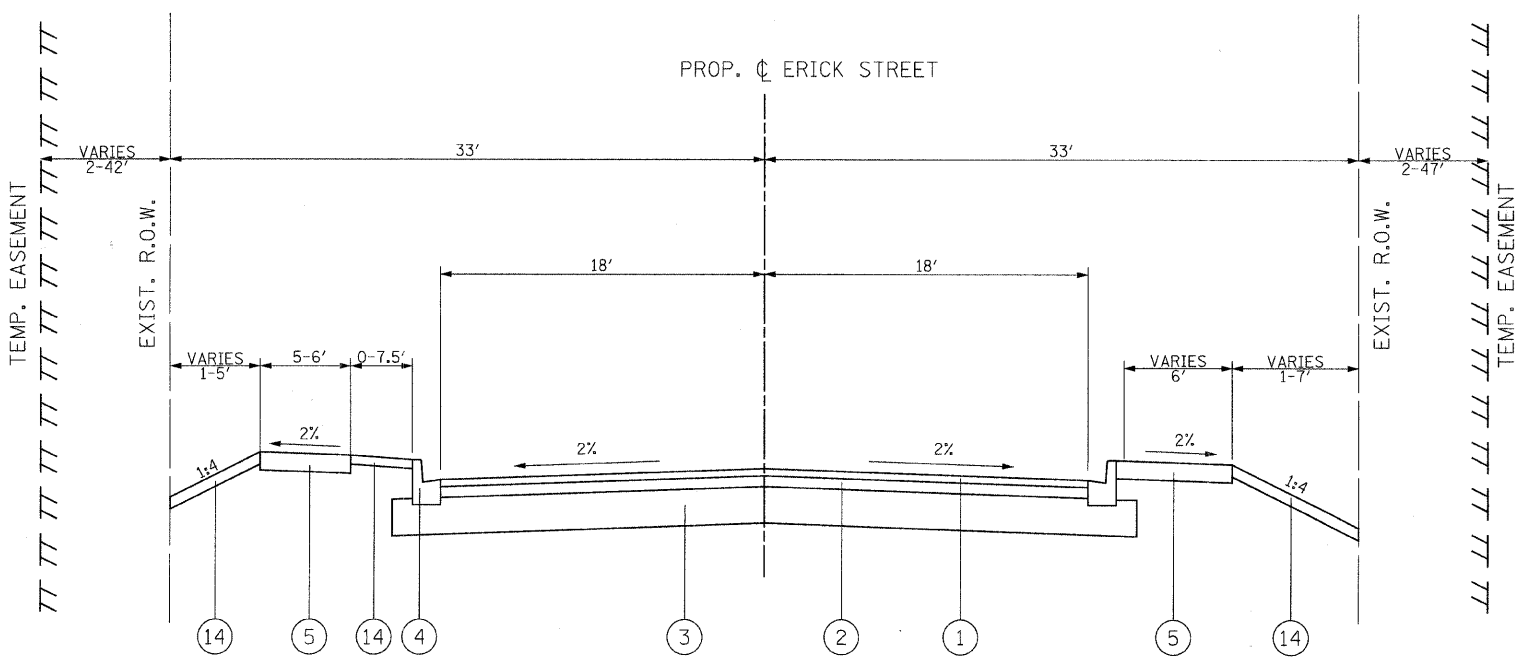
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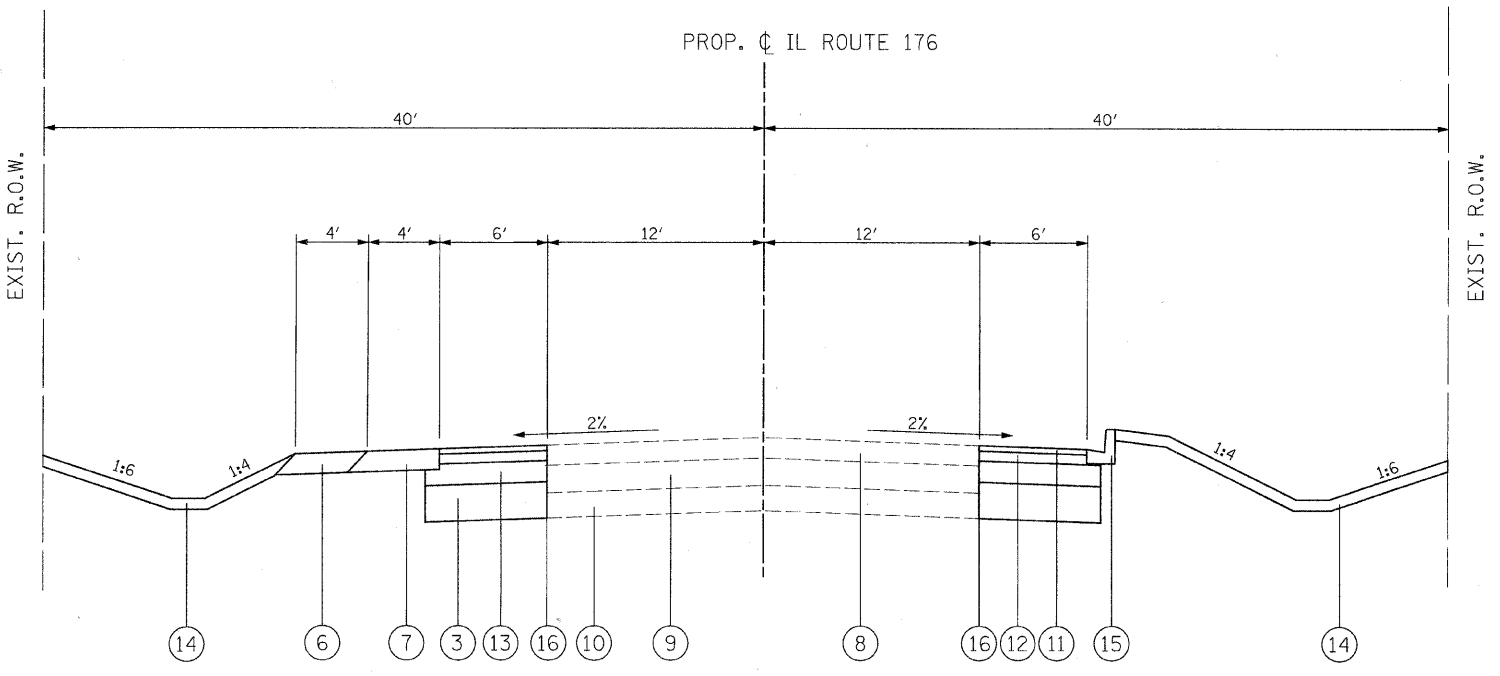


PROPOSED LEGEND

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19, N50, 4 1/2"
- ③ AGGREGATE SUBGRADE, 12"
- ④ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑤ PCC SIDEWALK 5"
- ⑥ AGGREGATE SHOULDER, TYPE B
- ⑦ HOT-MIX ASPHALT SHOULDER, 8"
- ⑧ EXISTING HOT-MIX ASPHALT SURFACE COURSE
- ⑨ EXISTING CONCRETE BASE
- ⑩ EXISTING AGGREGATE SUBGRADE
- ⑪ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- ⑫ HOT-MIX ASPHALT BINDER COURSE, IL-19, N70, 2 3/4"
- ⑬ HOT-MIX ASPHALT BASE COURSE WIDENING, 8"
- ⑭ 4" TOPSOIL & SODDING, SALT TOLERANT
- ⑮ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑯ STRIP REFLECTIVE CRACK CONTROL TREATMENT



ERICK STREET
STA. 10+13.81 TO STA. 36+43.85



ILLINOIS ROUTE 176
STA. 206+13.05 TO STA. 220+50.00

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
PAY ITEM	AC TYPE	VOIDS
ROADWAY (FULL-DEPTH) - ERICK STREET		
HMA SURFACE COURSE, MIX "C", N50, IL 9.5 mm, 2"	PG 64-22	4% @ 50 GYR
HMA BINDER COURSE, IL-19 mm, N50, 4 1/2"	PG 64-22	4% @ 50 GYR
ROADWAY (WIDENING) - IL ROUTE 176		
HMA SURFACE COURSE, MIX "D", N70, IL 9.5 mm, 1 1/2"	PG 64-22	4% @ 50 GYR
HMA BINDER COURSE, IL-19 mm, N70, 2 3/4"	PG 64-22	4% @ 50 GYR
HMA BASE COURSE WIDENING, IL-19 mm, 8"	PG 64-22*	4% @ 50 GYR
SHOULDERS		
HMA SHOULDER, 8"	PG 64-22*	2% @ 30 GYR
TEMPORARY PAVEMENT		
HMA SURFACE COURSE, MIX "D", N50, IL 9.5 mm, 1 3/4"	PG 64-22	4% @ 50 GYR
HMA BASE COURSE, IL-19 mm, 6 1/4"	PG 64-22*	4% @ 50 GYR
DRIVEWAY		
HMA SURFACE COURSE, MIX "C", N50, IL 9.5 mm, 2"	PG 64-22	4% @ 50 GYR
HMA BASE COURSE, IL-19 mm, 6"	PG 64-22*	4% @ 50 GYR
PATCHES		
CLASS D PATCHES, (HMA BINDER IL-19.0 MM), 9"	PG 64-22*	4% @ 70 GYR
HMA REPLACEMENT OVER PATCHES, HMA BINDER IL-19.0 MM	PG 64-22*	4% @ 70 GYR

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 115 LBS/SQY/IN.
* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22

REVISIONS	
NAME	DATE

CITY OF CRYSTAL LAKE
ERICK STREET (FAU 0125)
PROPOSED
TYPICAL SECTIONS

SCALE: NONE
DATE: DECEMBER 15, 2008

DRAWN BY: MJV
CHECKED BY: DES



ITEM 20101100 TREE TRUNK PROTECTION				
EXISTING STATION	OFFSET	LT/RT	UNITS	
ERICK STREET				
11+10.12	29.80	RT	1	
13+25.01	33.42	RT	1	
13+29.31	50.85	RT	1	
13+30.91	27.70	RT	1	
13+31.49	39.68	RT	1	
14+92.12	91.01	LT	1	
14+93.06	70.53	LT	1	
16+78.25	22.03	RT	1	
16+79.06	22.38	RT	1	
16+80.20	22.81	RT	1	
26+31.67	44.83	LT	1	
ILLINOIS ROUTE 176				
205+39.59	39.44	LT	1	
211+37.04	39.68	LT	1	
211+37.12	39.64	LT	1	
211+86.30	38.92	LT	1	
211+87.73	38.77	LT	1	
211+89.02	39.32	LT	1	
212+58.78	38.98	LT	1	
215+17.07	41.54	RT	1	
215+54.58	41.42	RT	1	
217+69.92	43.01	RT	1	
217+82.37	46.20	RT	1	
217+84.36	47.33	RT	1	
TOTAL			23	

ITEM A2001818 TREE, ACER SACCHARUM GREEN MOUNTAIN (GREEN MOUNTAIN SUGAR MAPLE), 2-1/4" CALIPER, BALLED AND BURLAPPED				
STATION	OFFSET	LT/RT	EACH	
ERICK STREET				
10+34.22	59.28	LT	1	
10+71.72	31.92	RT	1	
11+38.00	30.81	RT	1	
13+27.42	28.95	LT	1	
14+94.39	41.85	LT	1	
15+22.43	31.22	LT	1	
15+48.50	31.99	LT	1	
16+61.74	29.73	RT	1	
21+81.78	32.15	LT	1	
21+95.90	32.36	LT	1	
24+13.45	26.27	LT	1	
26+31.39	23.11	LT	1	
TOTAL			12	

LOCATION			REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	SUITABLE EARTH EXCAVATION (CUT)	SUITABLE EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%)	EMBANKMENT (FILL)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
STATION	TO	STATION	CU YD	CU YD	CU YD	CU YD	CU YD
IL ROUTE 176							
206+00.00	TO	206+15.23	4	4	3	0	3
206+15.23	TO	206+50.00	12	15	11	0	11
206+50.00	TO	207+00.00	22	33	25	3	22
207+00.00	TO	207+50.00	19	30	23	3	20
207+50.00	TO	208+00.00	19	34	26	0	26
208+00.00	TO	208+50.00	24	51	38	0	38
208+50.00	TO	208+86.94	12	32	24	6	18
208+86.94	TO	209+00.00	4	14	11	2	8
209+00.00	TO	209+50.00	25	106	79	2	77
209+50.00	TO	210+00.00	20	105	78	2	76
210+00.00	TO	210+50.00	25	62	47	6	40
210+50.00	TO	211+00.00	29	53	39	14	26
211+00.00	TO	211+50.00	24	53	40	18	22
211+50.00	TO	212+00.00	19	45	34	26	8
212+00.00	TO	212+50.00	15	42	31	17	14
212+50.00	TO	213+00.00	12	39	29	5	25
213+00.00	TO	213+50.00	18	38	29	4	25
213+50.00	TO	214+00.00	23	47	35	2	34
214+00.00	TO	214+18.58	5	16	12	2	9
214+18.58	TO	214+50.00	5	31	23	8	15
214+50.00	TO	215+00.00	13	52	39	10	28
215+00.00	TO	215+50.00	18	39	29	5	24
215+50.00	TO	216+00.00	9	48	36	3	34
216+00.00	TO	216+50.00	8	48	36	6	30
216+50.00	TO	217+00.00	13	40	30	6	24
217+00.00	TO	217+50.00	11	36	27	2	25
217+50.00	TO	218+00.00	14	33	25	2	23
218+00.00	TO	218+50.00	12	26	19	5	14
218+50.00	TO	219+00.00	11	25	19	11	7
219+00.00	TO	219+50.00	10	21	16	14	2
219+50.00	TO	220+00.00	4	10	8	13	-5
220+00.00	TO	220+50.00	4	10	8	11	-3
220+50.00	TO	221+00.00	3	5	4	5	-2
TOTALS			464	1,244	933	214	719

ITEM D2002272 EVERGREEN, PICEA PUNGENS GLAUCA (COLORADO BLUE SPRUCE), 6' HEIGHT, BALLED AND BURLAPPED				
STATION	OFFSET	LT/RT	EACH	
ERICK STREET				
17+76.19	32.74	RT	1	
17+98.86	32.74	RT	1	
TOTAL			2	

ITEM A2007920 TREE, TILIA AMERICANA REDMOND (REDMOND AMERICAN LINDEN), 2-1/2" CALIPER, BALLED AND BURLAPPED				
STATION	OFFSET	LT/RT	EACH	
ERICK STREET				
16+15.04	31.86	LT	1	
16+38.41	32.36	LT	1	
16+63.54	29.62	LT	1	
20+98.39	31.33	LT	1	
24+72.03	23.27	LT	1	
24+86.30	22.80	LT	1	
24+99.36	23.05	LT	1	
25+12.88	22.71	LT	1	
25+25.59	22.94	LT	1	
25+38.16	23.05	LT	1	
25+49.41	23.05	LT	1	
25+61.46	23.05	LT	1	
25+73.91	23.16	LT	1	
TOTAL			13	

EARTHWORK SUMMARY				
ERICK STREET				
ITEM	UNIT	STAGE 1	STAGE 2	TOTAL
EARTH EXCAVATION (20200100)	CU YD	2,701	1,572	4,275
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)	CU YD	261	321	585
ILLINOIS ROUTE 176				
EARTH EXCAVATION (20200100)	CU YD	1,245		1,245
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)	CU YD	465		465

REVISIONS	
NAME	DATE

CITY OF CRYSTAL LAKE

ERICK STREET (FAU 0125)
SCHEDULE OF QUANTITIES

SCALE: NONE
DATE: DECEMBER 15, 2008

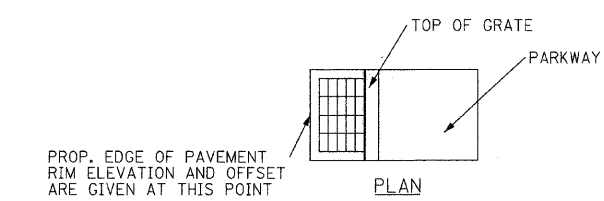
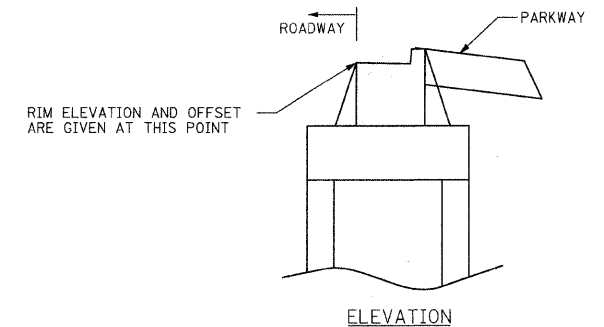
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STORM SEWER SCHEDULE							
PIPE NO.	FROM	TO	LENGTH (FT)	DIA. (IN)	TYPE	SLOPE (%)	TRENCH BACKFILL (CU YD)
1A	1-1	1-2	17	12	STORM SEW WM REQ 12	0.44	1.94
1B	1-3	1-2	18	12	SS 2 RCP CL III 12	2.00	4.39
1C	1-2	1-5	96	12	SS 2 RCP CL III 12	1.61	33.67
1D	1-4	1-5	14	12	STORM SEW WM REQ 12	0.44	6.19
1E	1-6	1-5	14	12	SS 2 RCP CL III 12	2.00	3.30
1F	1-5	1-8	44	12	SS 2 RCP CL III 12	0.52	19.64
1G	1-7	1-8	24	12	STORM SEW WM REQ 12	0.44	8.80
1H	1-8	1-12	47	15	SS 2 RCP CL III 15	0.51	21.18
1I	1-9	1-11	6	12	STORM SEW WM REQ 12	2.00	1.37
1J	1-10	1-13	6	12	SS 2 RCP CL III 12	2.00	1.37
1K	1-11	1-12	14	15	STORM SEW WM REQ 15	0.29	6.73
1L	1-13	1-12	14	15	SS 2 RCP CL III 15	2.57	3.93
1M	1-12	1-15	114	15	SS 2 RCP CL III 15	0.49	67.65
1N	1-14	1-15	14	12	STORM SEW WM REQ 12	0.44	2.89
1O	1-16	1-15	14	12	SS 2 RCP CL III 12	2.57	4.19
1P	1-15	1-18	261	18	STORM SEW WM REQ 18	0.50	206.98
1Q	1-17	1-18	14	12	STORM SEW WM REQ 12	0.44	4.18
1R	1-19	1-18	14	12	SS 2 RCP CL III 12	2.57	5.53
1S	1-18	1-21	107	18	SS 2 RCP CL III 18	1.81	81.91
1T	1-20	1-21	14	12	STORM SEW WM REQ 12	0.44	2.80
1U	1-22	1-21	14	12	SS 2 RCP CL III 12	2.57	6.06
1V	1-21	1-24	96	18	SS 2 RCP CL III 18	3.50	59.32
1W	1-23	1-24	14	12	STORM SEW WM REQ 12	0.44	5.79
1X	1-25	1-24	14	12	SS 2 RCP CL III 12	2.57	5.57
1Y	1-24	1-29	107	18	STORM SEW WM REQ 18	2.50	56.77
1Z	1-26	1-27	45	24	SS 2 RCP CL III 24	2.00	26.84
1AA	1-28	1-29	14	12	STORM SEW WM REQ 12	0.44	4.31
1AB	1-30	1-29	14	12	SS 2 RCP CL III 12	2.57	4.40
1AC	1-27	1-31	68	24	SS 2 RCP CL III 24	2.00	40.41
1AD	1-31	1-32	97	24	SS 1 RCP CL IV 24	2.49	21.14
1AE	1-29	1-34	196	18	STORM SEW WM REQ 18	2.51	90.93
1AF	1-33	1-34	14	12	STORM SEW WM REQ 12	2.00	5.24
1AG	1-35	1-34	18	12	SS 2 RCP CL III 12	2.00	6.66
1AH	1-34	1-37	134	18	STORM SEW WM REQ 18	2.65	68.86
1AI	1-36	1-37	37	12	STORM SEW WM REQ 12	0.44	15.81
1AJ	1-38	1-37	18	12	SS 2 RCP CL III 12	2.00	8.13
1AK	1-37	1-40	137	18	STORM SEW WM REQ 18	2.18	72.20
1AL	1-39	1-40	18	12	SS 2 RCP CL III 12	2.00	5.94
1AM	1-41	1-40	16	12	SS 2 RCP CL III 12	2.25	5.28
1AN	1-40	2-2	136	18	STORM SEW WM REQ 18	2.00	59.11
2A	2-1	2-2	14	12	SS 2 RCP CL III 12	2.57	3.36
2B	2-3	2-2	14	12	SS 2 RCP CL III 12	2.57	3.36
2C	2-2	2-5	94	24	SS 2 RCP CL III 24	1.23	43.57
2D	2-4	2-5	14	12	SS 2 RCP CL III 12	2.57	3.36
2E	2-6	2-5	14	12	SS 2 RCP CL III 12	2.57	3.36
2F	2-5	2-8	113	24	STORM SEW WM REQ 24	1.16	47.61
2G	2-7	2-8	14	12	SS 2 RCP CL III 12	2.57	3.35
2H	2-9	2-8	14	12	SS 2 RCP CL III 12	2.57	3.35
2I	2-8	2-11	96	24	SS 2 RCP CL III 24	0.56	44.04
2J	2-10	2-11	14	12	SS 2 RCP CL III 12	2.57	3.35
2K	2-12	2-11	14	12	SS 2 RCP CL III 12	2.57	3.35
2L	2-11	2-14	96	24	SS 2 RCP CL III 24	0.50	44.96
2M	2-13	2-14	14	12	SS 2 RCP CL III 12	2.57	3.35
2N	2-15	2-14	14	12	SS 2 RCP CL III 12	2.57	3.35
2O	2-14	2-17	96	24	SS 2 RCP CL III 24	0.32	41.53
2P	2-16	2-17	14	12	SS 2 RCP CL III 12	2.57	3.61
2Q	2-18	2-17	14	12	SS 2 RCP CL III 12	2.57	3.61
2R	2-17	2-20	86	24	SS 2 RCP CL III 24	0.50	36.25
2S	2-19	2-20	14	12	SS 2 RCP CL III 12	2.57	3.91
2T	2-21	2-20	14	12	SS 2 RCP CL III 12	2.57	3.91
2U	2-20	2-23	106	30	SS 2 RCP CL III 30	0.50	53.16
2V	2-22	2-23	14	12	SS 2 RCP CL III 12	2.57	4.28
2W	2-24	2-23	14	12	SS 2 RCP CL III 12	2.57	4.28
2X	2-23	2-26	96	30	STORM SEW WM REQ 30	0.50	49.19
2Y	2-25	2-26	14	12	SS 2 RCP CL III 12	2.00	4.56
2Z	2-27	2-26	14	12	SS 2 RCP CL III 12	2.00	4.56
2AA	2-26	2-29	96	36	STORM SEW WM REQ 36	0.50	79.40
2AB	2-28	2-29	15	12	STORM SEW WM REQ 12	0.44	2.74
2AC	2-30	2-29	14	18	SS 2 RCP CL III 18	1.07	8.03
2AD	2-31	2-30	19	15	SS 2 RCP CL III 15	1.58	10.09
2AE	2-29	2-35	85	42	STORM SEW WM REQ 42	0.16	71.70
2AF	2-32	2-34	7	12	SS 1 RCP CL IV 12	2.00	0.60
2AG	2-33	2-36	7	12	SS 2 RCP CL III 12	2.00	1.46
2AH	2-34	2-35	26	15	STORM SEW WM REQ 15	0.36	3.78
2AI	2-36	2-35	18	24	SS 1 RCP CL IV 24	0.17	3.76
2AI-2	2-36A	2-36	6	12	SS 1 RCP CL IV 12	2.00	1.60
2AJ	2-35	2-37	52	42	STORM SEW WM REQ 42	0.10	45.09
2AK	2-37	2-38	71	42	SS 2 RCP CL III 42	0.11	67.96
3A	3-1	3-2	35	12	STORM SEW WM REQ 12	0.46	0.00
3B	3-3	3-2	3	12	STORM SEW WM REQ 12	2.00	0.00
3C	3-2	3-6	43	18	STORM SEW WM REQ 18	1.07	4.69
3D	3-4	3-5	27	12	STORM SEW WM REQ 12	2.00	5.08
3E	3-5	3-6	4	15	STORM SEW WM REQ 15	2.00	0.81
3F	3-6	3-10	145	24	STORM SEW WM REQ 24	0.17	8.14
3G	3-8	3-7	25	23 x 14	SS 1 RCEP S23 R14	0.40	5.03
3H	3-9	3-10	6	12	STORM SEW WM REQ 12	2.04	1.51
3I	3-10	2-37	92	24	STORM SEW WM REQ 24	0.17	38.62
3J	3-11	2-36	57	24	STORM SEW WM REQ 24	0.49	12.47
3K	3-12	3-11	4	12	SS 2 RCP CL III 12	1.50	0.00
3L	4-1	3-11	93	24	STORM SEW WM REQ 24	0.49	28.54
4A	4-3	4-1	147	15	SS 2 RCP CL III 15	0.76	38.59
4B	4-5	4-2	60	15	SS 1 RCP CL IV 15	1.30	11.58
4C	4-4	4-3	7	12	SS 2 RCP CL III 12	4.29	0.00
4D	4-7	4-6	48	15	SS 1 RCP CL IV 15	2.40	9.27
4E	4-8	4-3	146	12	SS 2 RCP CL III 12	0.45	45.86
4F	4-9	4-8	7	12	SS 2 RCP CL III 12	4.29	0.00

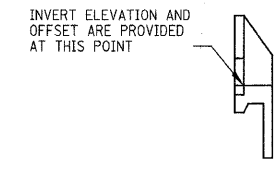
STORM SEWER SCHEDULE							
PIPE NO.	FROM	TO	LENGTH (FT)	DIA. (IN)	TYPE	SLOPE (%)	TRENCH BACKFILL (CU YD)
4G	4-10	4-8	196	12	SS 2 RCP CL III 12	0.45	71.65
4H	4-11	4-10	7	12	SS 2 RCP CL III 12	4.29	0.00
5A	2-38	5-1	70	48	SS 2 RCP CL III 48	0.73	0.00
5B	5-1	5-2	304	48	SS 2 RCP CL III 48	0.07	0.00
5C	5-2	5-3	431	60 X 38	SS 1 RCEP S60 R38	0.07	29.64
5D	5-3	5-4	16	60 X 38	SS 1 RCEP S60 R38	0.12	0.00
TOTAL							2091.65

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	13
STA. N/A		TO STA. N/A		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT #63123				



DRAINAGE STRUCTURE LAYOUT DETAIL
*AS NOTED IN GENERAL NOTES

*OFFSETS FOR THE DRAINAGE STRUCTURES NOTED IN THE PLANS ARE AT EDGE OF PAVEMENT FOR DRAINAGE STRUCTURES WITHIN THE PAVEMENT. FOR DRAINAGE STRUCTURES OUTSIDE THE PAVEMENT, THE OFFSETS ARE TO THE CENTER OF OPENING.



FLARED END SECTION AND HEADWALL DETAIL

** A 12" CHECK VALVE IS TO BE INSTALLED ON PIPE 3A. SEE SPECIAL PROVISIONS FOR FURTHER DETAILS.
NOTE: PIPES DESIGNATED "WAT MN" SHALL SATISFY WATER MAIN REQUIREMENTS (SEE SPECIAL PROVISIONS).

REVISIONS	
NAME	DATE

CITY OF CRYSTAL LAKE
ERICK STREET (FAU 0125)
DRAINAGE & UTILITIES
DRAINAGE SCHEDULE

SCALE: NTS
DATE: DECEMBER 15, 2008

DRAWN BY: JJS
CHECKED BY: ADJ

DRAINAGE STRUCTURE SCHEDULE									
STRUCTURE NO.	STRUCTURE TYPE	STATION	OFFSET	RIM ELEV.	INVERT (N)	INVERT (S)	INVERT (W)	INVERT (E)	
1-1	CB TC W/SPL F&G	10+50.65	20.96	LT	928.45			925.35	
1-2	MAN TA 4D W/SPL FR CL	10+50.65	0.00	LT	928.87	923.08		925.28	923.90
1-3	CB TC W/SPL F&G	10+50.65	21.60	RT	928.44			924.26	
1-4	CB TC W/SPL F&G	11+50.65	18.00	LT	926.56			920.31	
1-5	MAN TA 4D W/SPL FR CL	11+50.65	0.00	LT	926.92	920.25	921.53	920.25	922.11
1-6	CB TC W/SPL F&G	11+50.65	18.00	RT	926.56			922.39	
1-7	CB TC W/SPL FR OL	11+98.00	27.79	LT	925.28				920.13
1-8	MAN TA 4D W/SPL FR CL	11+98.00	0.00	LT	926.35	920.02	920.02	920.02	
1-9	INLETS TA SPL F&G	12+38.01	18.00	LT	926.16	921.62			
1-10	INLETS TA SPL F&G	12+38.01	18.00	RT	926.16	921.62			
1-11	CB TA 4 DIA W/SPL F&G	12+48.01	18.00	LT	925.79		921.50		919.38
1-12	MAN TA 4D W/SPL FR CL	12+48.01	0.00	LT	926.15	919.34	919.78	919.34	920.91
1-13	CB TA 4 DIA W/SPL F&G	12+48.01	18.00	RT	925.79		921.50		921.27
1-14	CB TC W/SPL F&G	13+65.65	18.00	LT	926.78				922.78
1-15	MAN TA 4D W/SPL FR CL	13+65.65	0.00	LT	927.14	918.78	918.78	922.72	921.68
1-16	CB TC W/SPL F&G	13+65.65	18.00	RT	926.78				922.04
1-17	CB TC W/SPL F&G	16+30.59	18.00	LT	926.63				921.75
1-18	MAN TA 4D W/SPL FR CL	16+30.59	0.00	LT	926.99	917.47	917.47	921.69	920.62
1-19	CB TC W/SPL F&G	16+30.59	18.00	RT	926.63				920.98
1-20	CB TC W/SPL F&G	17+40.65	18.00	LT	923.09				919.15
1-21	MAN TA 4D W/SPL FR CL	17+40.65	0.00	LT	923.45	915.07	915.53	919.09	916.72
1-22	CB TC W/SPL F&G	17+40.65	18.00	RT	923.09				917.08
1-23	CB TC W/SPL F&G	18+40.62	18.00	LT	918.08				912.10
1-24	MAN TA 4D W/SPL FR CL	18+40.62	0.00	LT	918.44	909.86	911.71	912.04	912.04
1-25	CB TC W/SPL F&G	18+40.62	18.00	RT	918.08				912.40
1-26	CB TA 4 DIA W/SPL F&G	18+88.72	36.49	LT	910.97	904.02			
1-27	CB TA 4 DIA W/SPL F&G	19+37.29	36.62	LT	910.45	903.12	903.12		
1-28	CB TC W/SPL F&G	19+50.65	18.00	LT	911.98				907.01
1-29	MAN TA 4D W/SPL FR CL	19+50.65	0.00	LT	912.34	904.82	907.19	906.95	906.74
1-30	CB TC W/SPL F&G	19+50.65	18.00	RT	911.98				907.10
1-31	CB TA 4 DIA W/SPL F&G	20+08.86	36.80	LT	908.68	901.76	901.76		
1-32	PRC FES 24	21+09.32	37.07	LT	901.59		899.34		
1-33	CB TC W/SPL F&G	21+50.62	18.00	LT	904.70				899.21
1-34	MAN TA 4D W/SPL FR CL	21+50.62	0.00	LT	905.06	898.72	899.91	898.93	898.93
1-35	CB TC W/SPL F&G	21+50.62	18.00	RT	904.70				899.29
1-36	CB TC W/SPL F&G	22+59.04	26.05	LT	901.98				895.54
1-37	MAN TA 7D W/SPL FR CL	22+84.37	0.00	LT	901.58	893.74	895.17	895.38	894.67
1-38	CB TA 4 DIA W/SPL F&G	22+84.37	18.00	RT	901.22				895.03
1-39	CB TC W/SPL F&G	24+20.65	18.00	LT	896.22				891.19
1-40	MAN TA 4D W/SPL FR CL	24+20.65	0.00	LT	896.58	889.48	890.75	890.83	890.83
1-41	CB TC W/SPL F&G	24+20.65	18.00	RT	896.22				891.19
2-1	CB TC W/SPL F&G	25+60.65	18.00	LT	891.51				887.34
2-2	MAN TA 5D W/SPL FR CL	25+60.65	0.00	LT	891.87	885.38	886.76	886.98	886.98
2-3	CB TC W/SPL F&G	25+60.65	18.00	RT	891.51				887.34
2-4	CB TC W/SPL F&G	26+58.65	18.00	LT	889.85				885.68
2-5	MAN TA 5D W/SPL FR CL	26+58.65	0.00	LT	890.21	884.03	884.22	885.32	885.32
2-6	CB TC W/SPL F&G	26+58.65	18.00	RT	889.85				885.68
2-7	CB TC W/SPL F&G	27+75.65	18.00	LT	888.10				883.93
2-8	MAN TA 5D W/SPL FR CL	27+75.65	0.00	LT	888.46	882.03	882.72	883.57	883.57
2-9	CB TC W/SPL F&G	27+75.65	18.00	RT	888.10				883.93
2-10	CB TC W/SPL F&G	28+75.65	18.00	LT	887.12				882.96
2-11	MAN TA 5D W/SPL FR CL	28+75.65	0.00	LT	887.48	881.05	881.49	882.60	882.60
2-12	CB TC W/SPL F&G	28+75.65	18.00	RT	887.12				882.96
2-13	CB TC W/SPL F&G	29+75.65	18.00	LT	886.32				882.16
2-14	MAN TA 5D W/SPL FR CL	29+75.65	0.00	LT	886.68	880.55	880.57	881.80	881.80
2-15	CB TC W/SPL F&G	29+75.65	18.00	RT	886.32				882.16
2-16	CB TC W/SPL F&G	30+75.65	18.00	LT	885.81				881.47
2-17	MAN TA 5D W/SPL FR CL	30+75.65	0.00	LT	886.17	880.24	880.24	881.11	881.11
2-18	CB TC W/SPL F&G	30+75.65	18.00	RT	885.81				881.47
2-19	CB TC W/SPL F&G	31+65.65	18.00	LT	885.43				880.89
2-20	MAN TA 5D W/SPL FR CL	31+65.65	0.00	LT	885.79	879.31	879.81	880.53	880.53
2-21	CB TC W/SPL F&G	31+65.65	18.00	RT	885.43				880.89
2-22	CB TC W/SPL F&G	32+75.65	18.00	LT	884.97				880.17
2-23	MAN TA 5D W/SPL FR CL	32+75.65	0.00	LT	885.33	878.78	878.78	879.81	879.81
2-24	CB TC W/SPL F&G	32+75.65	18.00	RT	884.97				880.17
2-25	CB TC W/SPL F&G	33+75.65	18.00	LT	884.55				879.52
2-26	MAN TA 5D W/SPL FR CL	33+75.65	0.00	LT	884.91	877.80	878.30	879.24	879.24
2-27	CB TC W/SPL F&G	33+75.65	18.00	RT	884.55				879.52
2-28	CB TC W/SPL F&G	34+75.65	18.76	LT	884.11				880.35
2-29	MAN TA 6D W/SPL FR CL	34+75.65	0.00	LT	884.49	877.03	877.32	880.28	877.03
2-30	CB TA 4 DIA W/SPL F&G	34+75.65	18.00	RT	884.13				877.18
2-31	MAN TA 4D W/SPL FR CL FST	34+75.65	40.91	RT	884.62		882.54	877.48	
2-32	INLETS TA SPL F&G	35+53.83	29.16	LT	883.60	880.59			
2-33	INLETS TA SPL F&G	35+53.83	20.71	RT	883.77	879.60			
2-34	CB TA 4 DIA W/SPL F&G	35+63.83	29.81	LT	883.57		880.45		880.20
2-35	MAN TA 6D W/SPL FR CL	35+63.83	0.00	RT	884.17	876.89	876.89	880.11	879.42
2-36	CB TA 5 DIA W/SPL F&G	35+63.83	21.13	RT	883.75	879.45	879.46	879.45	879.94
2-36A	CB TC W/SPL FR OL	35+60.54	29.97	RT	883.28				880.06
2-37	MAN TA 6D W/SPL FR CL	36+19.76	0.00	RT	884.48	876.84	876.84	877.82	876.76
2-38	MAN TA 8D W/SPL FR CL	36+94.07	10.02	RT	884.71				876.76
3-1	MAN TA 4 DIA T1F CL	206+69.39	24.77	RT	883.90			881.18	879.85
3-2	MAN TA 4 DIA T1F CL FST	207+07.80	27.19	RT	883.46		880.94	879.69	879.19
3-3	PRC FES 12	207+07.80	33.29	RT	882.17	881.00			
3-4	INLET TA T24F&G	207+85.23	20.00	RT	883.28				879.37
3-5	CB TA 4 DIA T24F&G	207+54.50	20.00	RT	883.00	878.83			878.83
3-6	MAN TA 4 DIA T1F CL	207+54.50	27.06	RT	883.00	878.75			878.23
3-7	PRC FES 15	208+67.51	28.70	LT	883.12				881.70
3-8	PRC FES 15	209+02.48	28.70	LT	883.22				881.80
3-9	CB TC T24F&G	209+03.33	20.01	RT	883.33		878.89		
3-10	MAN TA 4 DIA T1F CL	209+03.33	27.72	RT	883.62	878.77			877.98
3-11	CB TA 5 DIA T24F&G	210+56.26	41.94	RT	884.61		880.26	879.73	879.84
3-12	CB TC T8G	210+63.28	40.25	RT	884.49	880.32			

DRAINAGE STRUCTURE SCHEDULE									
STRUCTURE NO.	STRUCTURE TYPE	STATION	OFFSET	RIM ELEV.	INVERT (N)	INVERT (S)	INVERT (W)	INVERT (E)	
4-1	CB TA 4 DIA T24F&G	211+50.00	19.65	RT	885.90			880.30	881.90
4-2	PRC FES 15	212+55.33	30.20	LT	886.66				885.22
4-3	CB TA 4 DIA T24F&G	213+00.00	18.00	RT	888.47			883.27	883.02
4-4	CB TC T8G	213+00.00	28.49	RT	887.74			883.57	883.02
4-5	PRC FES 15	213+15.03	30.20	LT	887.44				886.00
4-6	PRC FES 15	213+91.71	29.70	LT	889.84				888.40
4-7	PRC FES 15	214+38.96	29.70	LT	890.99				889.55
4-8	CB TA 4 DIA T24F&G	214+50.00	18.00	RT	891.61			886.98	885.13
4-9	CB TC T8G	214+50.00	28.14	RT	891.45			887.28	886.98
4-10	CB TA 4 DIA T24F&G	216+50.00	18.00	RT	895.95			889.92	888.49
4-11	CB TC T8G	216+50.00	28.79	RT	894.66			890.22	888.49
5-1	MAN TA 8D W/SPL FR CL	36+95.61	83.69	RT	884.71	876.25			876.25
5-2	MAN TA 8D W/SPL FR OL	40+02.64	83.75	RT	883.56	876.03			876.03
5-3	MAN TA 8D W/SPL FR CL	44+37.41	83.77	RT	882.08	875.72			875.72
5-4	PRCF END S EL EQRS 48	44+57.20	83.83	RT	879.28				875.70

EXISTING STRUCTURE REMOVAL SCHEDULE				
STRUCTURE TYPE	STATION	OFFSET	NO.	
CATCH BASIN	18+88.74	36.5	LT	1
HEADWALL	19+79.43	17.7	LT	1
CATCH BASIN	19+83.87	17.6	LT	1
CATCH BASIN	20+12.96	16.7	LT	1
FLARED END SECTION	207+09.15	24.5	RT	1
MANHOLE	208+13.25	25.1	RT	1
INLET	208+13.42	21.7	RT	1
INLET	209+03.16	24.1	RT	1
INLET	209+75.00	24.9	RT	1
HEADWALL	210+30.01	22.9	RT	1
FLARED END SECTION	211+59.84	38.3	RT	1
FLARED END SECTION	212+86.21	32.3	RT	1
FLARED END SECTION	215+69.93	31.2	RT	1
FLARED END SECTION	216+54.80	28.3	RT	1
FLARED END SECTION	216+78.42	25.9	RT	1
FLARED END SECTION	217+09.27	26.0	RT	1
TOTAL				16

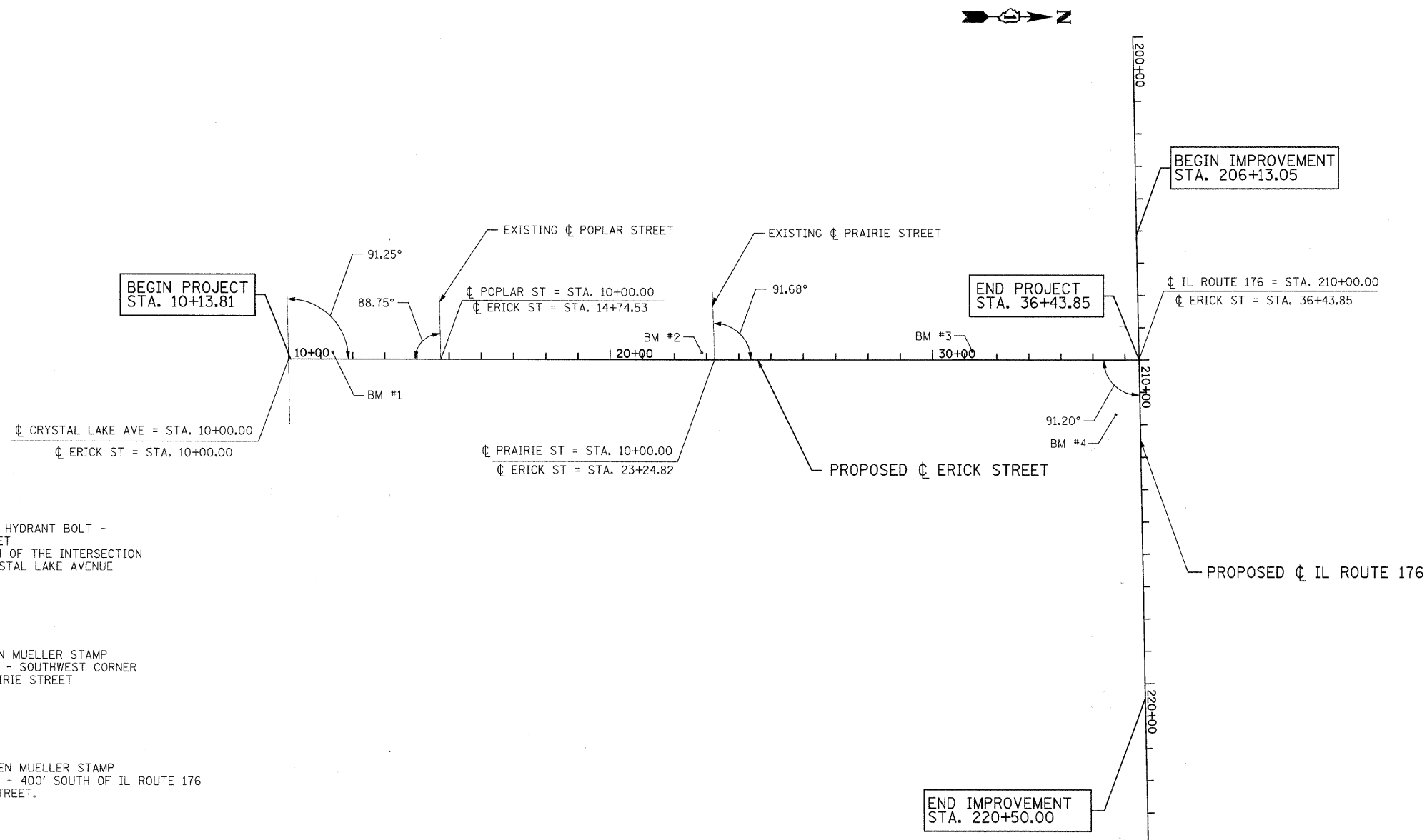
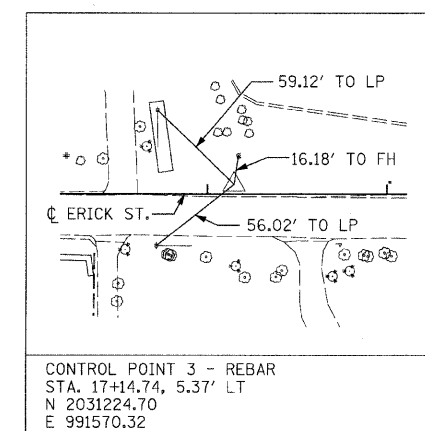
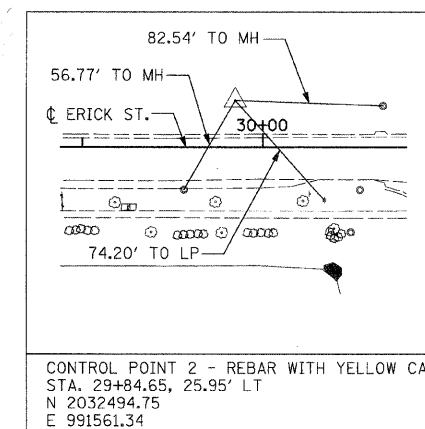
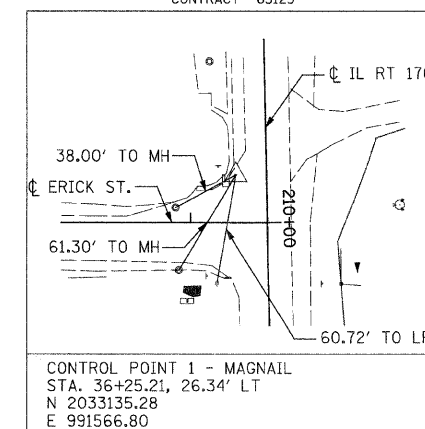
EXISTING STORM SEWER REMOVAL SCHEDULE					
FROM	TO	LENGTH (FT)	DIA. (IN)		
19+76.33	LT	20+38.64	RT	63	24
22+84.01	RT	22+84.01	LT	22	12
34+76.16	RT	36+01.85	RT	126	8
206+68.82	RT	207+03.08	RT	34	15
207+07.02	RT	208+12.79	RT	106	15
208+12.79	RT	209+03.16	RT</		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	15
STA. 10+13.81		TO STA. 36+43.85		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT #63123				

ALIGNMENT POINT	N	E
POT 10+00.00	2030509.94	991569.15
POT 36+43.85	2033153.68	991593.31

ALIGNMENT POINT	N	E
POT 200+00.00	2033141.93	990593.38
POT 224+94.67	2033171.25	993087.88

LOCATION	N	E
☉ ERICK STREET = 14+74.53 ☉ POPLAR STREET = 10+00.00	2030984.45	991573.49
☉ ERICK STREET = 23+24.82 ☉ PRAIRIE STREET = 10+00.00	2031834.71	991581.26
☉ ERICK STREET = 10+00.00 ☉ CRYSTAL LAKE AVE. = 10+00.00	2030509.94	991569.15



BENCHMARKS

BM 1: CHISELED X ON FIRE HYDRANT BOLT - WEST SIDE OF ERICK STREET APPROXIMATELY 140' NORTH OF THE INTERSECTION OF ERICK STREET AND CRYSTAL LAKE AVENUE

ELEVATION - 928.36
STA. 11+37.70, 22.10 LT
N 2030647.84
E 991548.31

BM2: FLANGE BOLT BETWEEN MUELLER STAMP ON EAST SIDE OF HYDRANT - SOUTHWEST CORNER OF ERICK STREET AND PRAIRIE STREET

ELEVATION - 901.49
STA. 22+84.96, 22.28 LT
N 2031795.05
E 991558.61

BM 3: FLANGE BOLT BETWEEN MUELLER STAMP ON WEST SIDE OF HYDRANT - 400' SOUTH OF IL ROUTE 176 ON WEST SIDE OF ERICK STREET.

ELEVATION - 887.02
STA. 31+23.85, 27.72 LT
N 2032633.96
E 991560.84

BM 4: NE FLANGE BOLT WITH CUT "X" IN PARKING LOT - SOUTHEAST CORNER OF ERICK STREET AND ILLIONIS ROUTE 176; 100' EAST OF ERICK STREET.

ELEVATION - 890.11
STA. 35+71.84, 168.19 RT
N 2033080.14
E 991760.83

REVISIONS	
NAME	DATE

CITY OF CRYSTAL LAKE
ERICK STREET (FAU 0125)

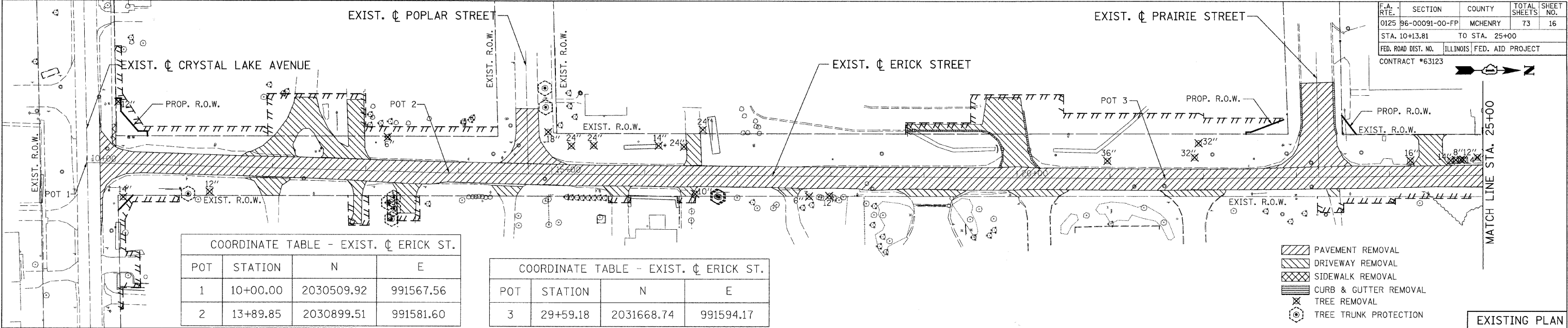
ALIGNMENT, TIES, & BENCHMARKS
STA. 10+13.81 TO STA. 36+43.85

SCALE: 1" = 200'
DATE: DECEMBER 15, 2008
DRAWN BY: MJV
CHECKED BY: DES



DATE: _____
 BY: _____
 SURVEYED: _____
 ALIGNED: _____
 RT. OF WAY CHECKED: _____
 NOTE BOOK NO.: _____
 PLOT FILE NAME: _____

DATE: _____
 BY: _____
 SURVEYED: _____
 GRADES CHECKED: _____
 STRUCTURE NOTATIONS OK'D: _____
 NO.: _____

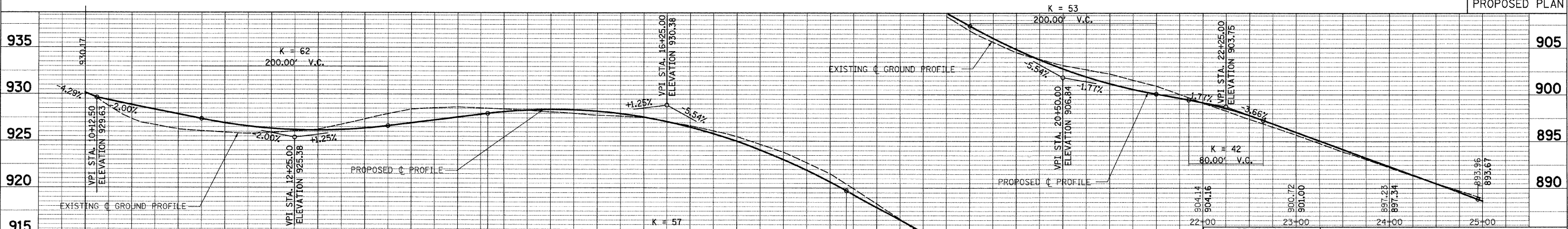
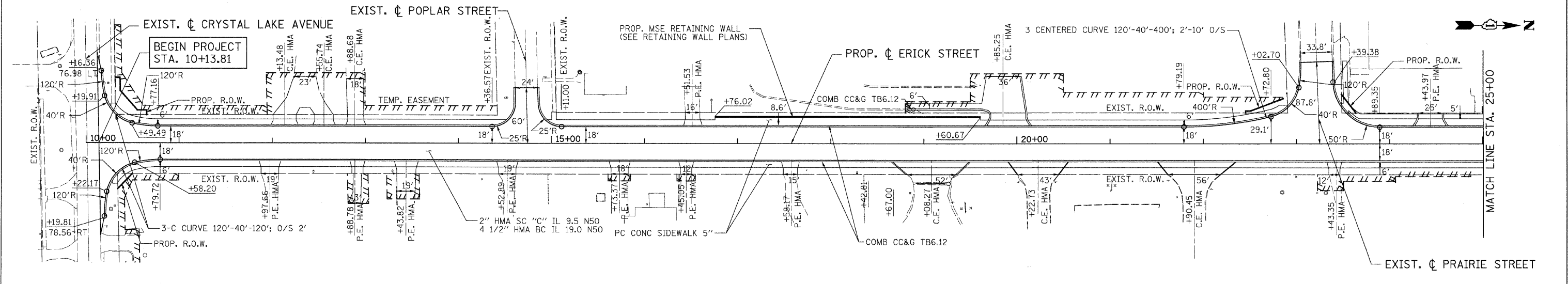


COORDINATE TABLE - EXIST. C ERICK ST.

POT	STATION	N	E
1	10+00.00	2030509.92	991567.56
2	13+89.85	2030899.51	991581.60

COORDINATE TABLE - EXIST. C ERICK ST.

POT	STATION	N	E
3	29+59.18	2031668.74	991594.17



EXIST. PROP.	929.89	930.17	926.29	927.88	925.89	926.34	927.34	926.37	928.66	927.57	928.13	928.42	927.57	927.59	925.51	925.01	921.54	920.66	914.89	915.15	909.51	909.85	907.24	906.19
11+00																								
12+00																								
13+00																								
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17+00																								
18+00																								
19+00																								
20+00																								
21+00																								

REVISIONS

NAME	DATE

CITY OF CRYSTAL LAKE
 ERICK STREET (FAU 0125)

PLAN & PROFILE
 STA.10+13.81 TO STA. 25+00

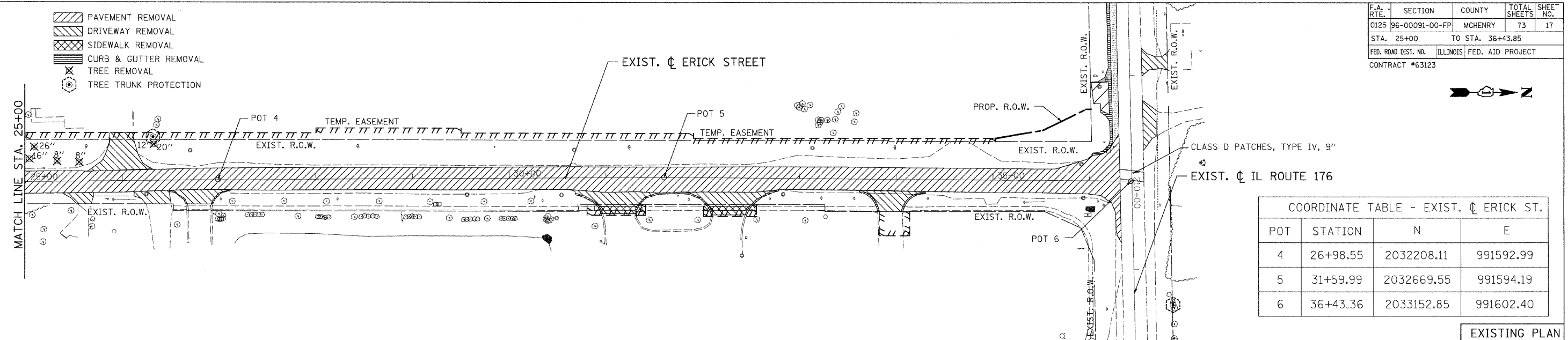
SCALE: VERT. 1" = 5'
 HORIZ. 1" = 50'

DATE: DECEMBER 15, 2008

DRAWN BY: MJV
 CHECKED BY: DES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	17
STA. 25+00		TO STA. 36+43.85		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT #63123				

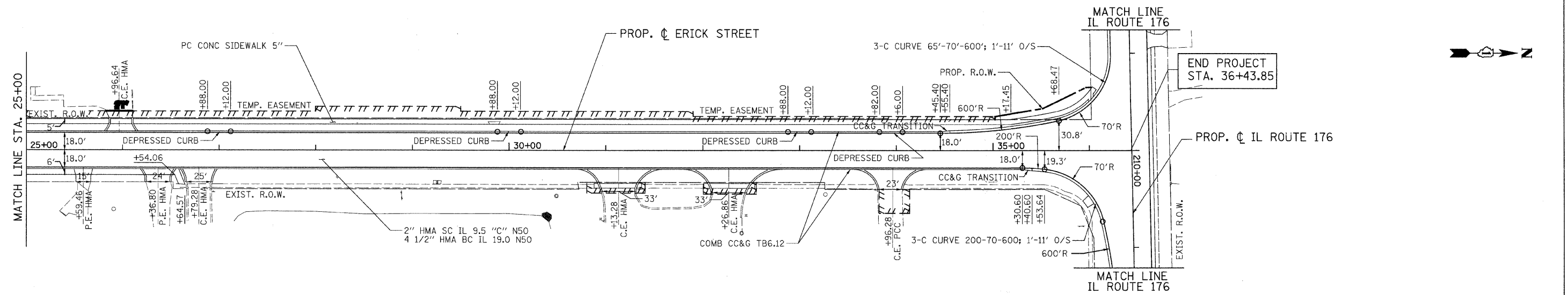
- PAVEMENT REMOVAL
- DRIVEWAY REMOVAL
- SIDEWALK REMOVAL
- CURB & GUTTER REMOVAL
- TREE REMOVAL
- TREE TRUNK PROTECTION



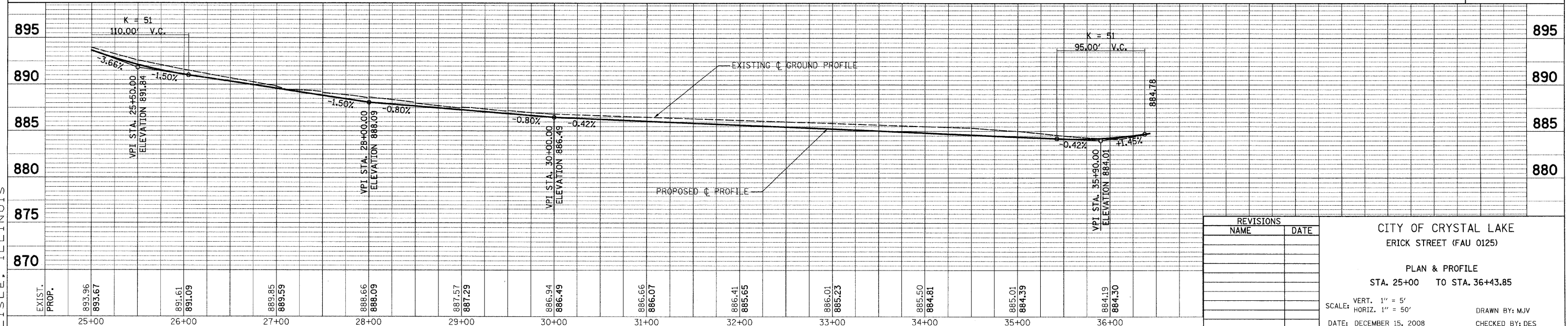
COORDINATE TABLE - EXIST. ϕ ERICK ST.

POT	STATION	N	E
4	26+98.55	2032208.11	991592.99
5	31+59.99	2032669.55	991594.19
6	36+43.36	2033152.85	991602.40

EXISTING PLAN



PROPOSED PLAN



REVISIONS	
NAME	DATE

CITY OF CRYSTAL LAKE
ERICK STREET (FAU 0125)

PLAN & PROFILE
STA. 25+00 TO STA. 36+43.85

SCALE: VERT. 1" = 5'
HORIZ. 1" = 50'

DATE: DECEMBER 15, 2008

DRAWN BY: MJV
CHECKED BY: DES

DATE	
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SAVED	
NOTE BOOK	
ALIGNMENT CHECKED	
PAV. FILE NAME	

DATE	
BY	
REVISION	
GRADES CHECKED	
STRUCTURE NOTATIONS OK'D	



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	19
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT #63123				

MAINTENANCE OF TRAFFIC GENERAL NOTES

- TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN AND SECTION 701 OF THE STANDARD SPECIFICATIONS AS AMENDED BY THE SPECIAL PROVISION FOR CONSTRUCTION ZONE TRAFFIC CONTROL.
- THE TYPE III BARRICADES ARE TO BE PLACED IN ACCORDANCE WITH STANDARD 701901 UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATE ARRANGEMENT.
- TYPE I OR TYPE II BARRICADES, DRUMS, OR VERTICAL PANELS WITH MONODIRECTIONAL STEADY-BURN LIGHTS SHALL BE REQUIRED ALONG TEMPORARY ROADS, DETOURS, AND SIDE STREETS TO DELINEATE THE TRAVELED WAY WITHIN THE CONSTRUCTION ZONE. THE MAXIMUM SPACING FOR THESE DEVICES SHALL BE 100 FEET CENTER TO CENTER.
- ANY DROP OFF GREATER THAN THREE (3) INCHES BUT LESS THAN SIX (6) INCHES, WITHIN EIGHT (8) FEET OF THE PAVEMENT EDGE, SHALL BE PROTECTED BY TYPE I OR TYPE II BARRICADES, DRUMS, OR VERTICAL PANELS WITH MONODIRECTIONAL STEADY-BURN LIGHTS AT 100 FOOT CENTER TO CENTER SPACING. IF THE DROP OFF WITHIN EIGHT (8) FEET OF THE PAVEMENT EDGE EXCEEDS SIX (6) INCHES, THE BARRICADES, DRUMS OR VERTICAL PANELS MENTIONED ABOVE SHALL BE PLACED AT FIFTY (50) FOOT CENTER TO CENTER SPACING. BARRICADES THAT MUST BE PLACED IN EXCAVATED AREAS SHALL HAVE LEG EXTENSIONS INSTALLED SUCH THAT THE TOP OF THE BARRICADE IS IN COMPLIANCE WITH THE HEIGHT REQUIREMENTS OF STANDARD 702001.
- TYPE I, II AND / OR III BARRICADES WITH MONO-DIRECTIONAL STEADY BURN LIGHTS WILL BE REQUIRED TO GUIDE TRAFFIC AWAY FROM PAVEMENT AREAS CLOSED FOR CONSTRUCTION.
- VERTICAL PANELS SHALL BE PROVIDED AS SHOWN IN THE PLANS AND SPACED 50 FEET CENTER TO CENTER ON TANGENT, AND 25 FEET CENTER TO CENTER ON TAPERS AND CURVES.
- WHERE REQUIRED, TRAFFIC SIGNS SHALL BE RELOCATED FOR EACH STAGE OF CONSTRUCTION.
- THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE TO THE STAGING PLANS.
- THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ACCESS TO ALL ENTRANCES, APPROACHES, AND TEMPORARY ROADS WITHIN THE PROJECT LIMITS. THIS WORK IS TO BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR "AGGREGATE FOR TEMPORARY ACCESS".
- ALL EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN SHALL BE COVERED OR REMOVED IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL PROVIDE, INSTALL, MAINTAIN AND REMOVE ALL SIGNS AND SIGN SUPPORTS REQUIRED FOR TRAFFIC CONTROL AND PROTECTION. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER LUMP SUM FOR "TRAFFIC CONTROL AND PROTECTION SPECIAL".
- THE CONTRACTOR SHALL PLACE A CHANGEABLE MESSAGE SIGN AT EACH END OF THE PROJECT AND/OR AS DIRECTED BY THE ENGINEER TO INFORM MOTORISTS OF UPCOMING CONSTRUCTION ACTIVITIES. THE MESSAGE SIGNS WITH THE APPROPRIATE INFORMATION SHALL BE IN PLACED TWO WEEKS BEFORE START OF CONSTRUCTION ACTIVITY. THIS WORK IS TO BE PAID FOR AT THE CONTRACT UNIT PRICE PER CALENDAR MONTH, "CHANGEABLE MESSAGE SIGN".
- THE CONTRACTOR SHALL PLACE "CAUTION NEW LANES OPEN" SIGNS AT EVERY ENTRANCE AND SIDE ROAD. SEE TEMPORARY INFORMATION SIGN DETAIL FOR FURTHER INFORMATION.
- THE CONTRACTOR SHALL PLACE "DRIVEWAY ENTRANCE" SIGNS AT EVERY COMMERCIAL ENTRANCE WITHIN THE PROJECT LIMITS WHERE ENTRANCE IS OBSTRUCTED DUE TO CONSTRUCTION AND/OR AS DIRECTED BY THE ENGINEER. SEE TEMPORARY INFORMATION SIGNS DETAIL FOR FURTHER INFORMATION.
- ALL TEMPORARY INFORMATION SIGNS SHALL BE PAID FOR SEPARATELY IN THE UNIT PRICE PER SQUARE FEET FOR "TEMPORARY INFORMATION SIGNING".
- BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED - ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.
- THE COST OF SUPPLYING, ERECTING, AND MAINTAINING BARRICADES, WARNING LIGHTS, AND SIGNS WILL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION.

MAINTENANCE OF TRAFFIC DESCRIPTION

- THE FOLLOWING IS THE CONSTRUCTION STAGING FOR THIS PROJECT. THE PURPOSE OF THIS STAGING IS TO MINIMIZE DELAYS TO THE MOTORISTS. THE CONTRACTOR MAY ALTER THE SEQUENCE OF CONSTRUCTION WITH THE PRIOR APPROVAL OF THE ENGINEER.
- PRIOR TO THE START OF CONSTRUCTION, REQUIRED TRAFFIC CONTROL DEVICES SHALL BE IN PLACE.
- FLAGGERS SHALL BE POSITIONED IN ADVANCE OF THE WORK OPERATION AND REMAIN THERE UNTIL THE OPERATION IS COMPLETE. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT COST LUMP SUM FOR TRAFFIC CONTROL AND PROTECTION.

ERICK STREET

PRESTAGE

- CONSTRUCT TEMPORARY PAVEMENT ON EAST SIDE OF ERICK STREET.

STAGE 1

- CONSTRUCT TEMPORARY PAVEMENT ON EAST SIDE OF ERICK STREET.
- CONSTRUCT PROPOSED MAINLINE STORM SEWERS ALONG ERICK STREET.
- TRAFFIC WILL BE SHIFTED TO THE NORTHBOUND LANES ALONG ERICK STREET FOR STAGE 1 CONSTRUCTION. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH IDOT TRAFFIC CONTROL STANDARDS 701311 (MOVING OPERATIONS) & 701601 (LANE CLOSURE).

STAGE 2

- TRAFFIC WILL BE SHIFTED TO THE SOUTHBOUND LANES ALONG ERICK STREET FOR STAGE 2 CONSTRUCTION. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH IDOT TRAFFIC CONTROL STANDARDS 701311 (MOVING OPERATIONS) & 701601 (LANE CLOSURE).

ILLINOIS ROUTE 176

STAGE 1

- TRAFFIC WILL BE SHIFTED TO THE WESTBOUND LANES ALONG ILLINOIS ROUTE 176 FOR STAGE 1 WIDENING & RESURFACING. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH IDOT TRAFFIC CONTROL STANDARDS 701311 (MOVING OPERATIONS) & 701601 (PAVEMENT WIDENING).

STAGE 2

- TRAFFIC WILL BE SHIFTED TO THE EASTBOUND LANES ALONG ILLINOIS ROUTE 176 FOR STAGE 2 WIDENING & RESURFACING. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH IDOT TRAFFIC CONTROL STANDARDS 701311 (MOVING OPERATIONS) & 701601 (PAVEMENT WIDENING).

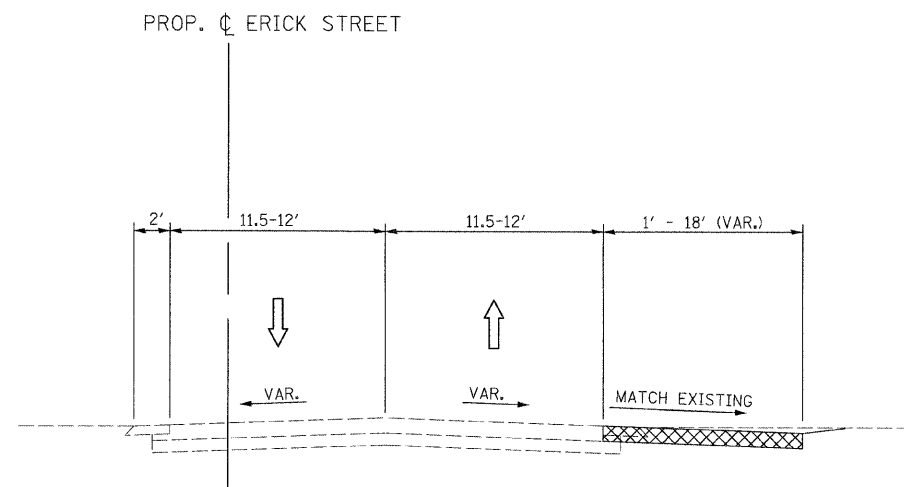
REVISIONS	
NAME	DATE

CITY OF CRYSTAL LAKE
ERICK STREET (FAU 0125)
SUGGESTED STAGES OF CONSTRUCTION
& TRAFFIC CONTROL
MAINTENANCE OF TRAFFIC
GENERAL NOTES AND DESCRIPTION

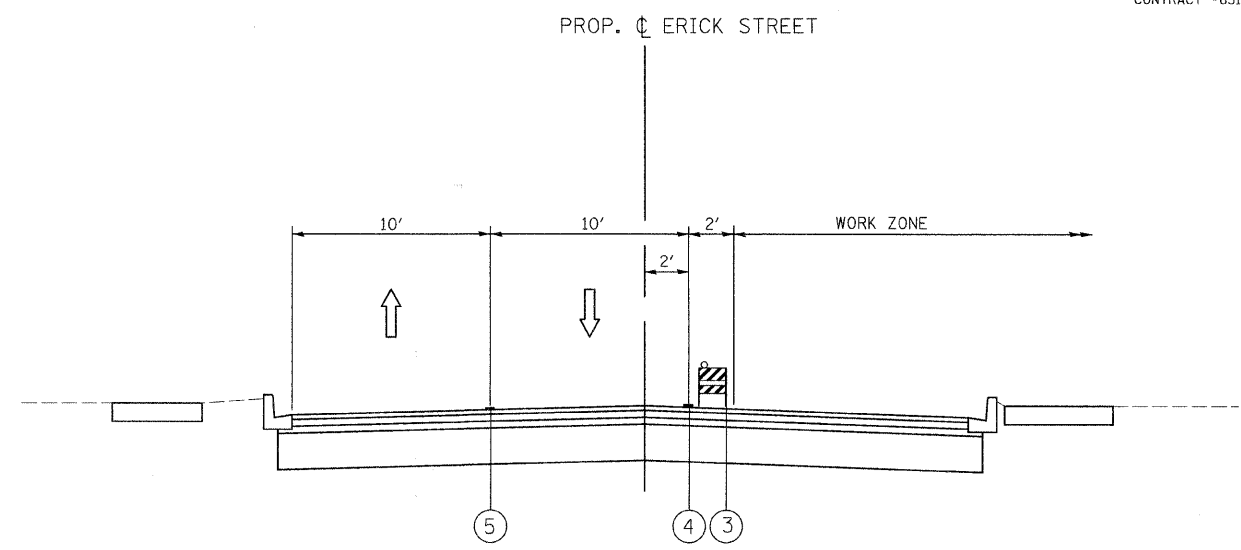
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CHECKED BY: DES



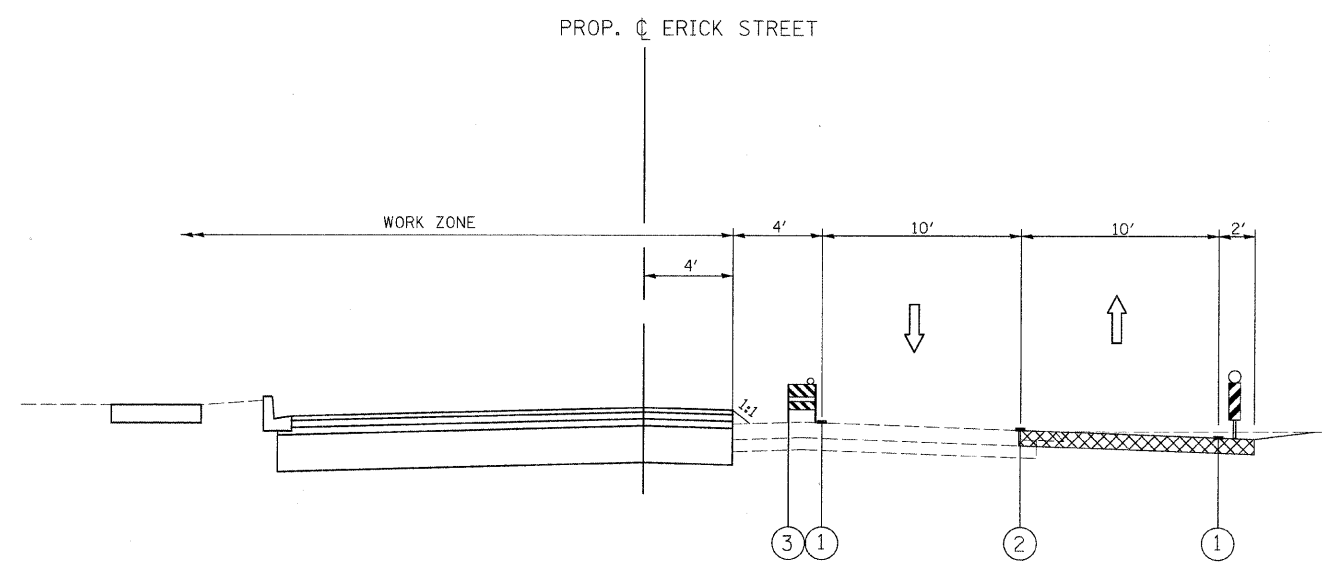
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	19A
STA. 10+13.81		TO STA. 36+43.85		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT #63123				



PRE-STAGE CONSTRUCTION
STA. 10+13.81 TO STA. 36+43.85



STAGE 2 CONSTRUCTION
STA. 10+13.81 TO STA. 36+43.85



STAGE 1 CONSTRUCTION
STA. 10+13.81 TO STA. 36+43.85

LEGEND:

- ① TEMPORARY PAVEMENT MARKING LINE, 4 INCHES (WHITE)
- ② TEMPORARY PAVEMENT MARKING LINE, 4 INCHES (DOUBLE YELLOW)
- ③ TYPE II BARRICADE OR DRUM WITH STEADY BURNING LIGHT (50' C-C, 25' @ TAPERS, 12' C-C ALONG RADII)
- ④ PAVEMENT MARKING TAPE, TYPE 3, 4 INCHES (WHITE)
- ⑤ PAVEMENT MARKING TAPE, TYPE 3, 4 INCHES (DOUBLE YELLOW)
- TEMPORARY PAVEMENT, 8"
- VERTICAL PANELS @ 50' C-C

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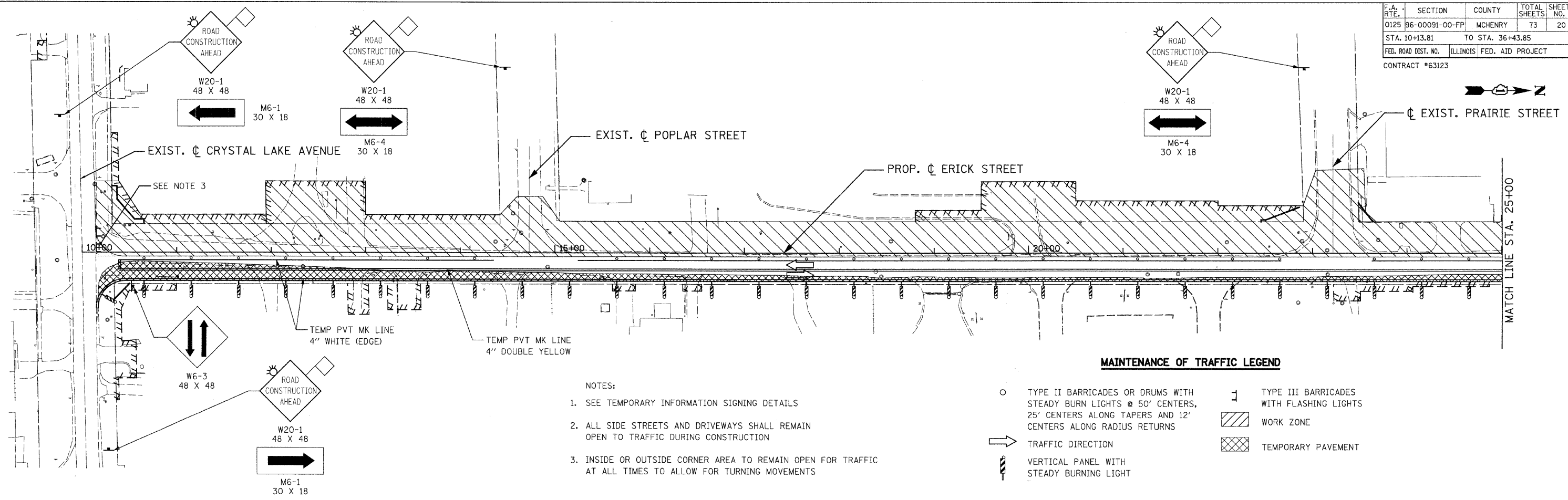
REVISIONS	
NAME	DATE

CITY OF CRYSTAL LAKE
ERICK STREET (FAU 0125)
SUGGESTED STAGES OF CONSTRUCTION
& TRAFFIC CONTROL
TYPICAL SECTIONS

SCALE: NONE
DATE: DECEMBER 15, 2008

DRAWN BY: MJV
CHECKED BY: DES

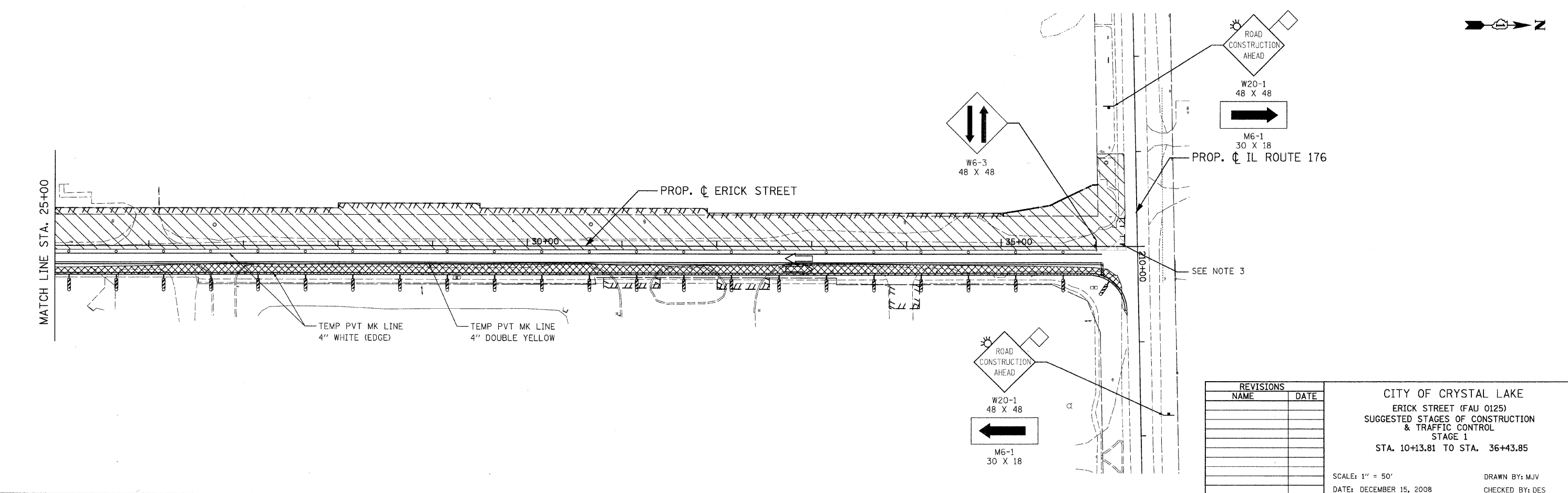
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA. 10+13.81		TO STA. 36+43.85		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT #63123				



- NOTES:
- SEE TEMPORARY INFORMATION SIGNING DETAILS
 - ALL SIDE STREETS AND DRIVEWAYS SHALL REMAIN OPEN TO TRAFFIC DURING CONSTRUCTION
 - INSIDE OR OUTSIDE CORNER AREA TO REMAIN OPEN FOR TRAFFIC AT ALL TIMES TO ALLOW FOR TURNING MOVEMENTS

MAINTENANCE OF TRAFFIC LEGEND

○	TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHTS @ 50' CENTERS, 25' CENTERS ALONG TAPERS AND 12' CENTERS ALONG RADIUS RETURNS	⌋	TYPE III BARRICADES WITH FLASHING LIGHTS
→	TRAFFIC DIRECTION	▨	WORK ZONE
⌋	VERTICAL PANEL WITH STEADY BURNING LIGHT	▩	TEMPORARY PAVEMENT



REVISIONS	
NAME	DATE

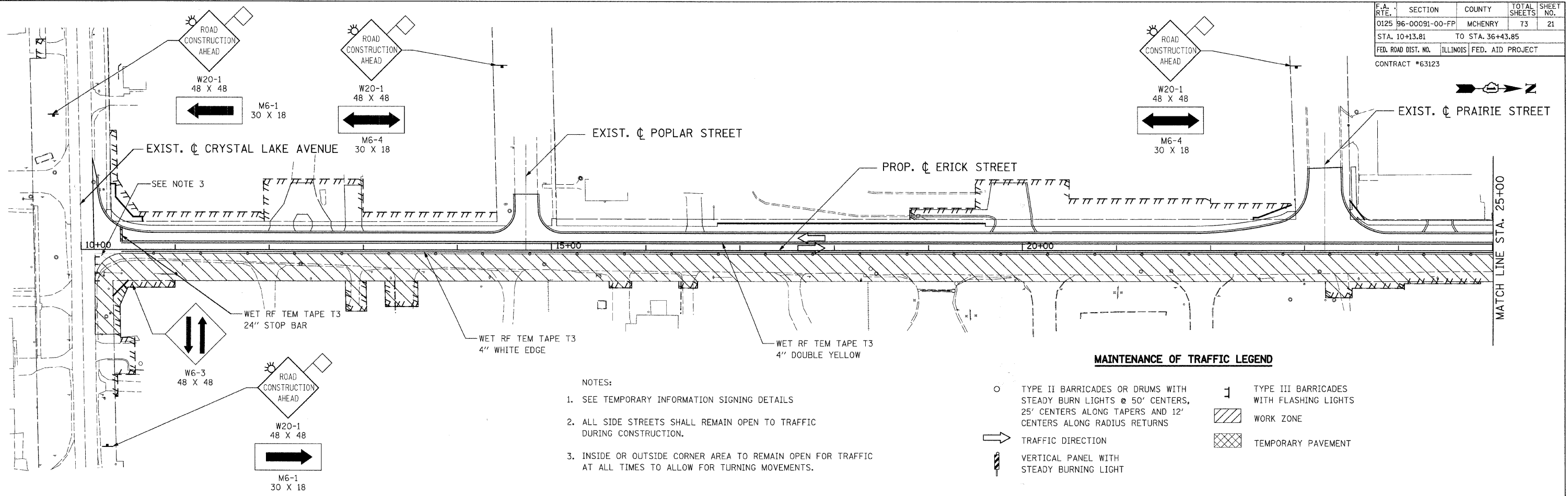
CITY OF CRYSTAL LAKE
 ERICK STREET (FAU 0125)
 SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL
 STAGE 1
 STA. 10+13.81 TO STA. 36+43.85

SCALE: 1" = 50'
 DATE: DECEMBER 15, 2008

DRAWN BY: MJV
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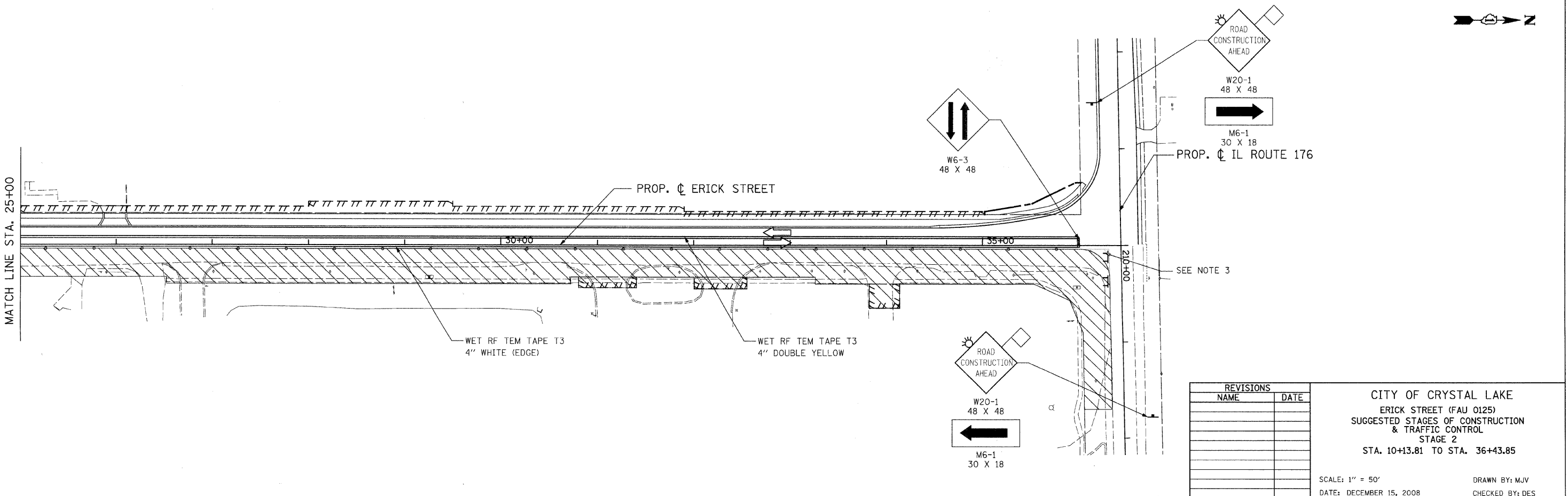
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STA. 10+13.81		TO STA. 36+43.85		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT #63123				



- NOTES:
- SEE TEMPORARY INFORMATION SIGNING DETAILS
 - ALL SIDE STREETS SHALL REMAIN OPEN TO TRAFFIC DURING CONSTRUCTION.
 - INSIDE OR OUTSIDE CORNER AREA TO REMAIN OPEN FOR TRAFFIC AT ALL TIMES TO ALLOW FOR TURNING MOVEMENTS.

MAINTENANCE OF TRAFFIC LEGEND

- TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHTS @ 50' CENTERS, 25' CENTERS ALONG TAPERS AND 12' CENTERS ALONG RADIUS RETURNS
- ➔ TRAFFIC DIRECTION
- ⚡ VERTICAL PANEL WITH STEADY BURNING LIGHT
- ⌚ TYPE III BARRICADES WITH FLASHING LIGHTS
- ▨ WORK ZONE
- ▩ TEMPORARY PAVEMENT



REVISIONS	
NAME	DATE

CITY OF CRYSTAL LAKE
 ERICK STREET (FAU 0125)
 SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL
 STAGE 2
 STA. 10+13.81 TO STA. 36+43.85

SCALE: 1" = 50'
 DATE: DECEMBER 15, 2008

DRAWN BY: MJV
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	22
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT #63123

GENERAL CONSTRUCTION SEQUENCE

PRE-STAGE AND STAGE 1

1. ALL EROSION CONTROL MEASURES WEST OF ERICK STREET AND NORTH OF ILLINOIS ROUTE 176 WILL BE IN PLACE FOR STAGE 1
2. INSTALL EROSION BARRIER PRIOR TO EXCAVATION OR THE REMOVAL OF ANY EXISTING VEGETATION. INSTALL PERIMETER EROSION BARRIER TO PROTECT ALL CULVERTS AND TREES AS SHOWN ON THE PLANS.
3. CONSTRUCT TEMPORARY CONSTRUCTION ENTRANCES.
4. CONSTRUCT PROPOSED OUTLET DITCHES, CHANNELS, AND ROADSIDE DITCHES WITHIN EACH GRADING UNIT PRIOR TO BEGINNING EARTHWORK IN THAT UNIT. INSTALL DITCH CHECKS IN DITCH AND STABILIZE AS SHOWN ON THE PLANS.
5. CONSTRUCT EMBANKMENT/EXCAVATION AND STABILIZE SIDESLOPES AS SHOWN ON THE PLANS.
6. INSTALL INLET AND PIPE PROTECTION AS SHOWN ON THE PLANS AS STRUCTURES ARE PUT IN PLACE.

STAGE 2

1. ALL EROSION CONTROL MEASURES EAST OF ERICK STREET AND SOUTH OF ILLINOIS ROUTE 176 WILL BE IN PLACE FOR STAGE 3.
2. INSTALL EROSION BARRIER PRIOR TO EXCAVATION OR THE REMOVAL OF ANY EXISTING VEGETATION. INSTALL PERIMETER EROSION BARRIER TO PROTECT ALL WETLANDS, CULVERTS, AND TREES AS SHOWN ON THE PLANS.
3. CONSTRUCT PROPOSED OUTLET DITCHES, CHANNELS, AND ROADSIDE DITCHES WITHIN EACH GRADING UNIT PRIOR TO BEGINNING EARTHWORK IN THAT UNIT. INSTALL DITCH CHECKS IN DITCH AND STABILIZE AS SHOWN ON THE PLANS.
4. CONSTRUCT EMBANKMENT/EXCAVATION AND STABILIZE SIDESLOPES AS SHOWN ON THE PLANS.
5. INSTALL INLET AND PIPE PROTECTION AS SHOWN ON THE PLANS AS STRUCTURES ARE PUT IN PLACE.

EROSION CONTROL GENERAL NOTES

1. EROSION CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE SEQUENCE OF STAGE CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A DETAILED SCHEDULE FOR APPROVAL.
2. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE THE PROJECT SITE IS OTHERWISE DISTURBED.
3. ALL DISTURBED AREAS SHALL BE SEEDED OR SODDED AS SOON AS PRACTICAL AFTER CONSTRUCTION ACTIVITIES IN THAT AREA HAVE CONCLUDED. ALL ERODABLE/BARE AREAS SHALL BE SEEDED EVERY 7 DAYS WITH TEMPORARY EROSION CONTROL SEEDING. ERODABLE AREAS OUTSIDE AND DOWN SLOPE FROM THE CONSTRUCTION LIMITS SHALL BE SIMILARLY SEEDED.
4. GRAVEL ROADS, ACCESS DRIVES, PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH, AND VEHICLE WASH DOWN FACILITIES IF NECESSARY, SHALL BE PROVIDED TO PREVENT SOIL FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SOIL REACHING A PUBLIC OR PRIVATE ROADWAY SHALL BE REMOVED BEFORE THE END OF EACH WORKDAY AND AS NEEDED.
5. CLEANING OF VEHICLES AND EQUIPMENT, INCLUDING CONCRETE MIXERS, SHALL BE PERFORMED IN A MANNER TO REDUCE THE AMOUNT OF POLLUTANTS TRIBUTARY TO STORM SEWERS AND OPEN WATERS TO THE MAXIMUM EXTENT PRACTICAL.
6. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUNOFF. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
7. SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS. SEDIMENT SHALL BE REMOVED FROM EROSION CONTROL SYSTEMS WHEN THE HEIGHT OF THE SEDIMENT EXCEEDS ONE-HALF OF THE HEIGHT OF THE FILTER DEVICE.
8. THE ENGINEER SHALL INSPECT EROSION CONTROL MEASURES PERIODICALLY AND WITHIN 24 HOURS OF ANY STORM EXCEEDING 1/2" PRECIPITATION. DAMAGED AND INEFFECTIVE EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED WITHIN 72 HOURS. EROSION CONTROL SYSTEMS REPLACED DUE TO SEDIMENT LOADING WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE APPLICABLE EROSION CONTROL ITEM.
9. THE COST OF REPAIRING OR REMOVING SEDIMENT FROM EROSION CONTROL SYSTEMS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE APPLICABLE EROSION CONTROL ITEM.
10. ALL EROSION CONTROL MEASURES SHALL BE KEPT OPERATIONAL AND MAINTAINED CONTINUOUSLY THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SEDIMENT AND EROSION CONTROL MEASURES ARE OPERATIONAL.



REVISIONS	
NAME	DATE

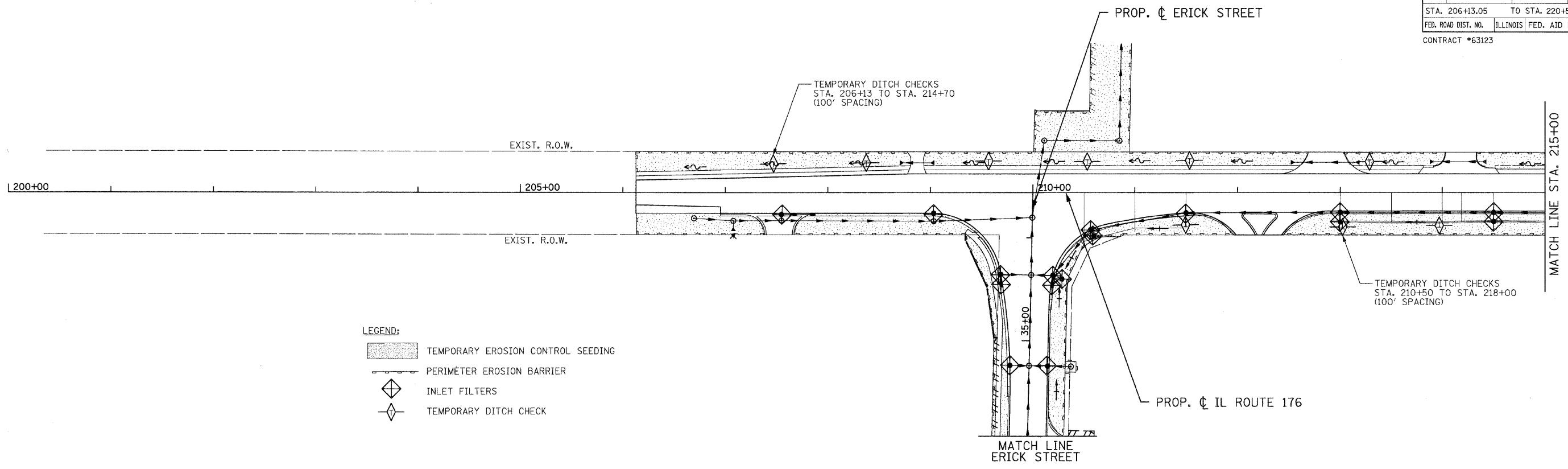
CITY OF CRYSTAL LAKE
ERICK STREET (FAU 0125)

EROSION AND SEDIMENT CONTROL NOTES

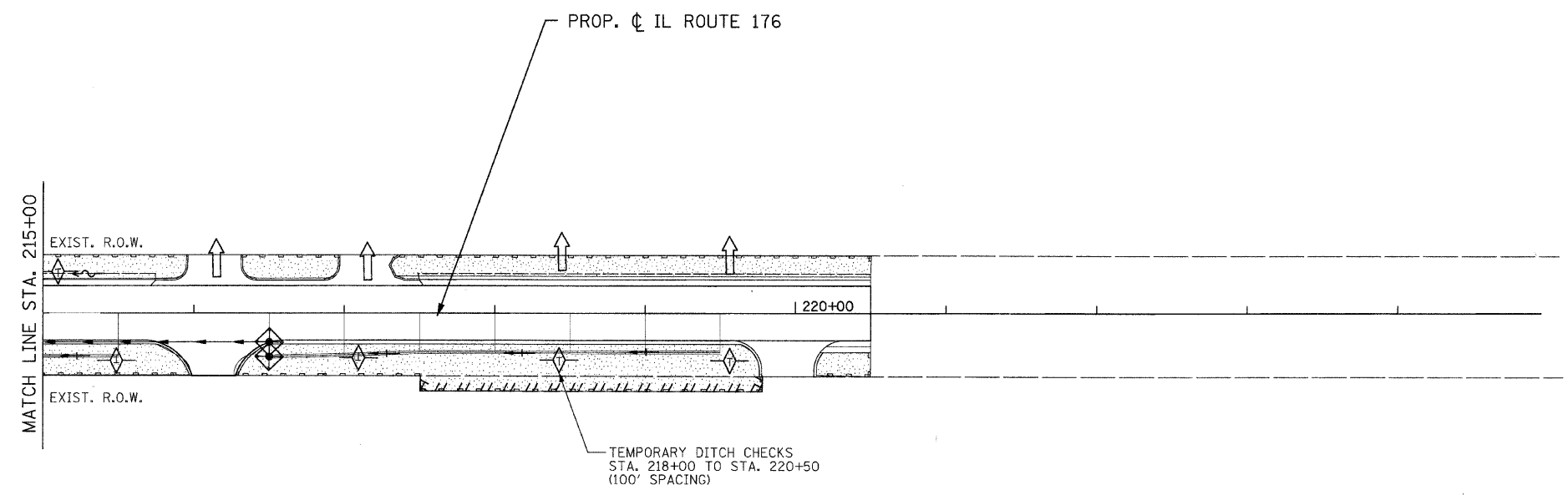
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DRAWN BY: MJV
CHECKED BY: DES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	24
STA. 206+13.05		TO STA. 220+50.00		
FED. ROAD DIST. NO.	ILLINOIS		FED. AID PROJECT	
CONTRACT #63123				



- LEGEND:**
- TEMPORARY EROSION CONTROL SEEDING
 - PERIMETER EROSION BARRIER
 - INLET FILTERS
 - TEMPORARY DITCH CHECK



REVISIONS	
NAME	DATE

CITY OF CRYSTAL LAKE
ERICK STREET (FAU 0125)

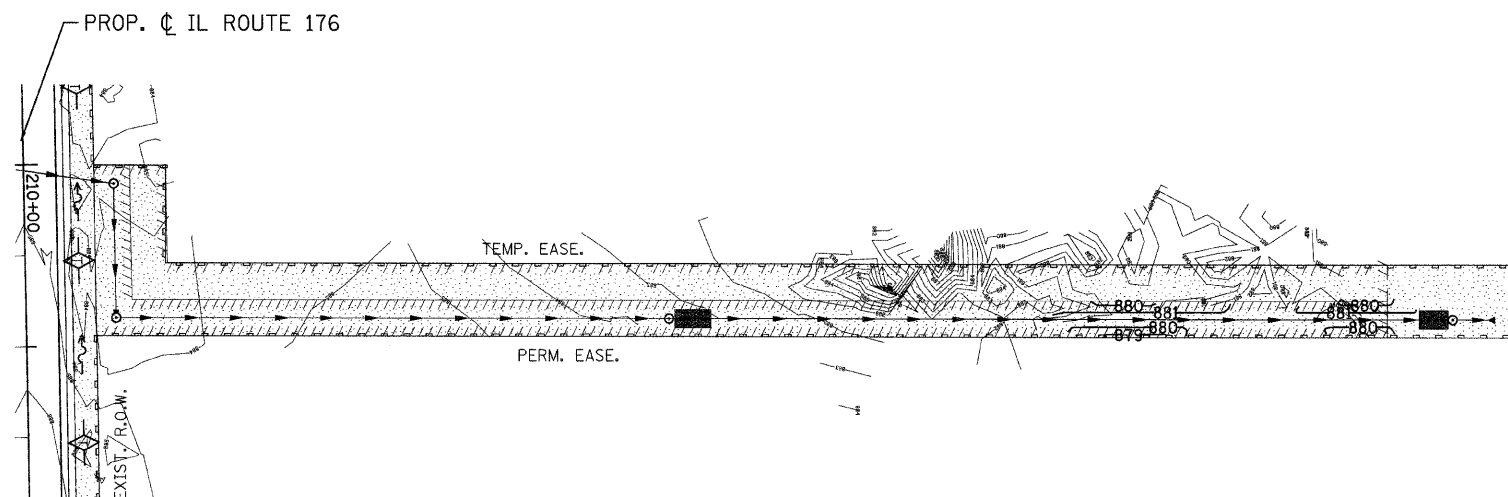
EROSION AND SEDIMENT CONTROL PLAN
STA. 206+13.05 TO STA. 220+50.00

SCALE: 1" = 50'
DATE: DECEMBER 15, 2008

DRAWN BY: MJV
CHECKED BY: DES





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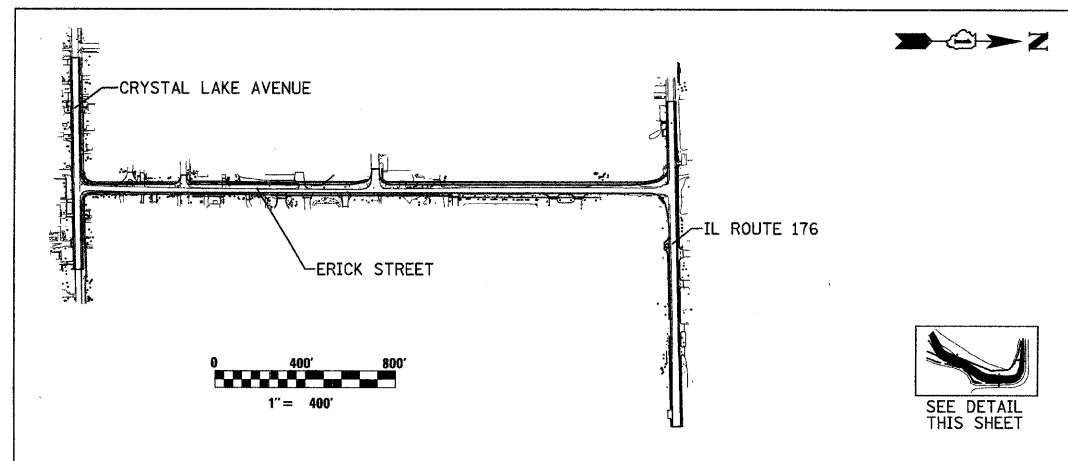
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STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT #63123				



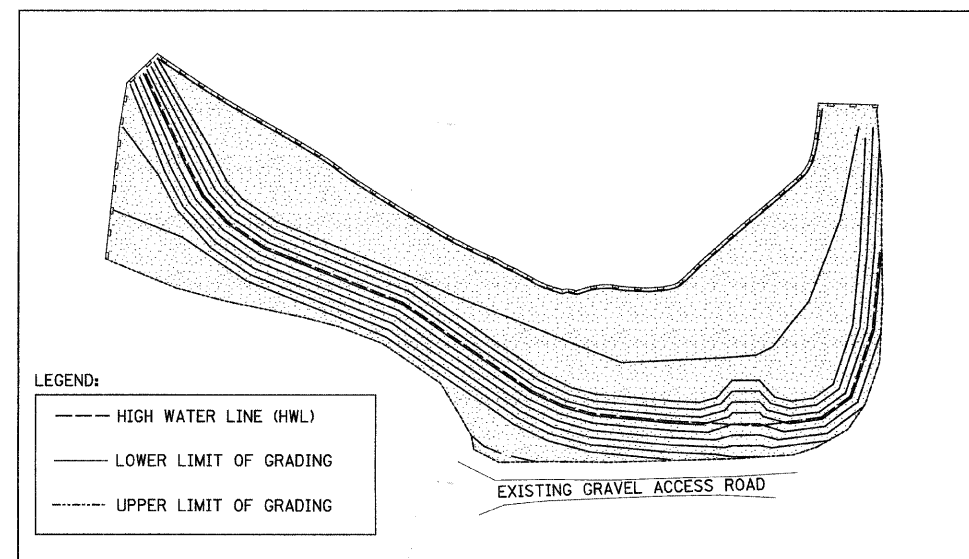
OFFSITE STORM SEWER

LEGEND:




-  TEMPORARY EROSION CONTROL SEEDING
-  SEDIMENT CONTROL, SILT FENCE
-  INLET FILTERS
-  TEMPORARY DITCH CHECK



VICINITY MAP



LEGEND:

-  HIGH WATER LINE (HWL)
-  LOWER LIMIT OF GRADING
-  UPPER LIMIT OF GRADING

AREA OF DETENTION POND GRADING

DETENTION POND

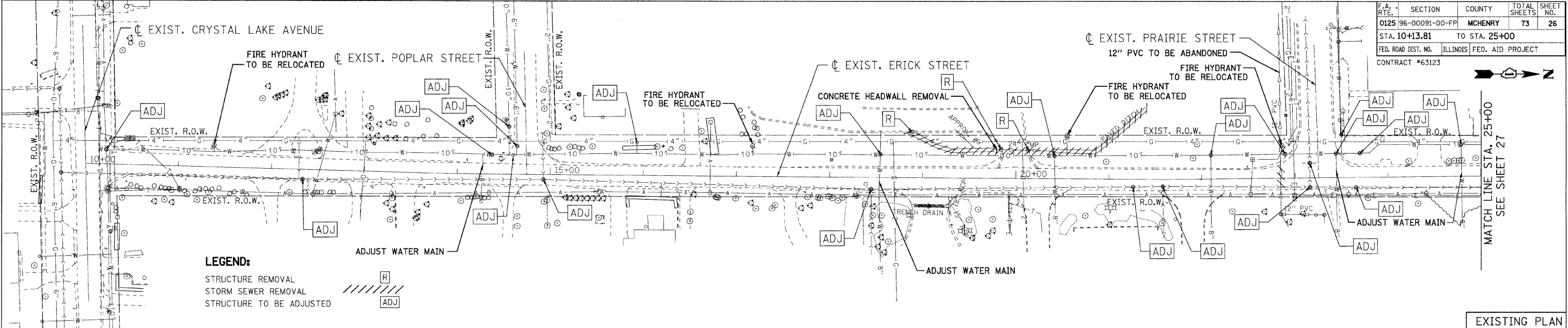
REVISIONS	
NAME	DATE

CITY OF CRYSTAL LAKE
ERICK STREET (FAU 0125)

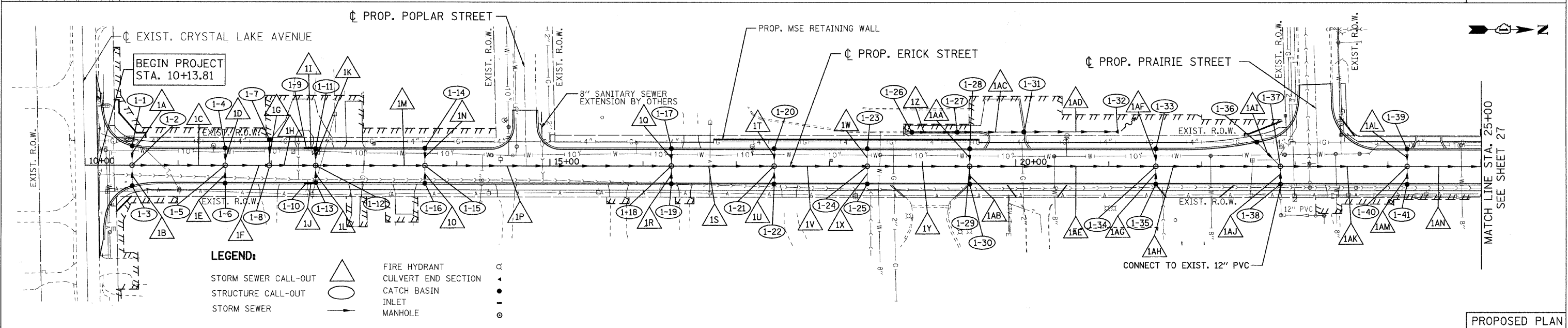
EROSION AND SEDIMENT CONTROL PLAN
OFFSITE STORM SEWER AND DETENTION POND

SCALE: 1" = 50'
DATE: DECEMBER 15, 2008

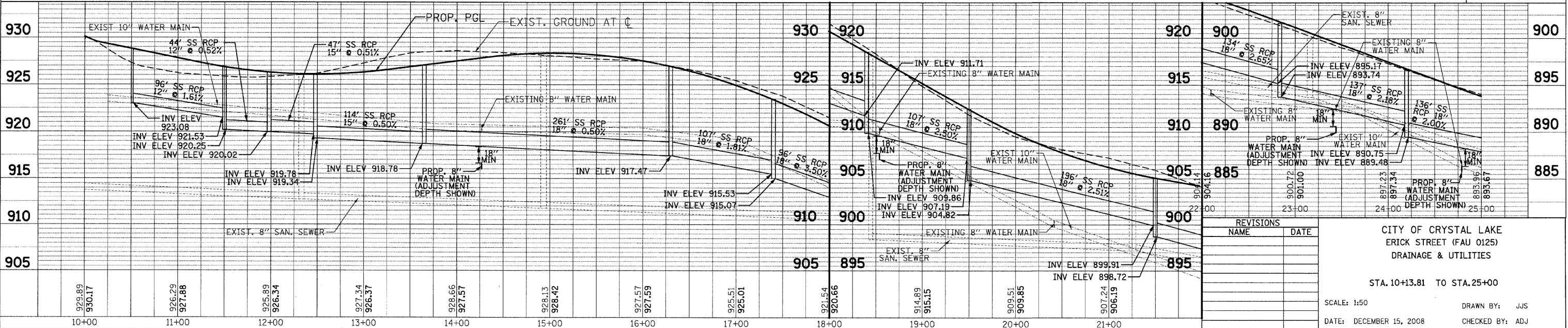
DRAWN BY: EYC
CHECKED BY: ADJ



EXISTING PLAN



PROPOSED PLAN



REVISIONS	NAME	DATE

CITY OF CRYSTAL LAKE
ERICK STREET (FAU 0125)
DRAINAGE & UTILITIES

STA. 10+13.81 TO STA. 25+00

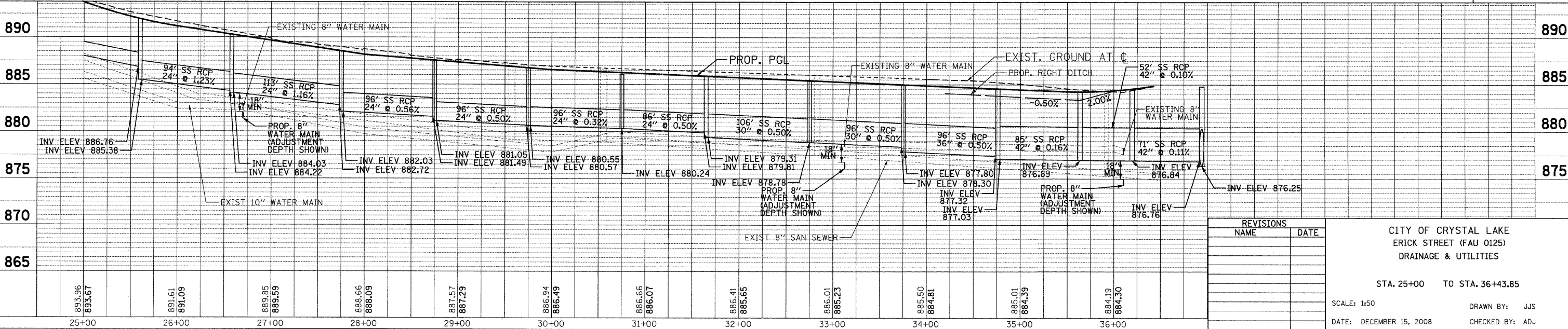
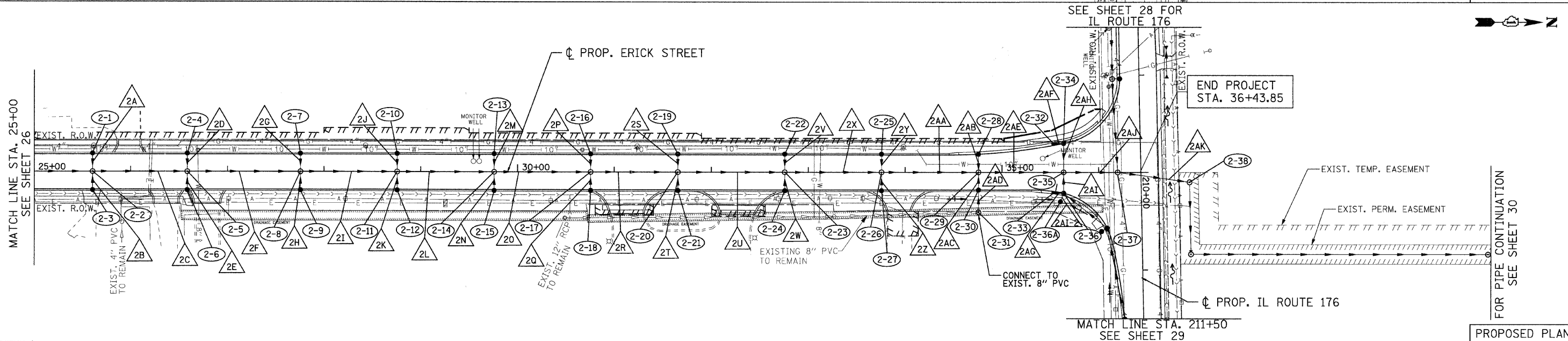
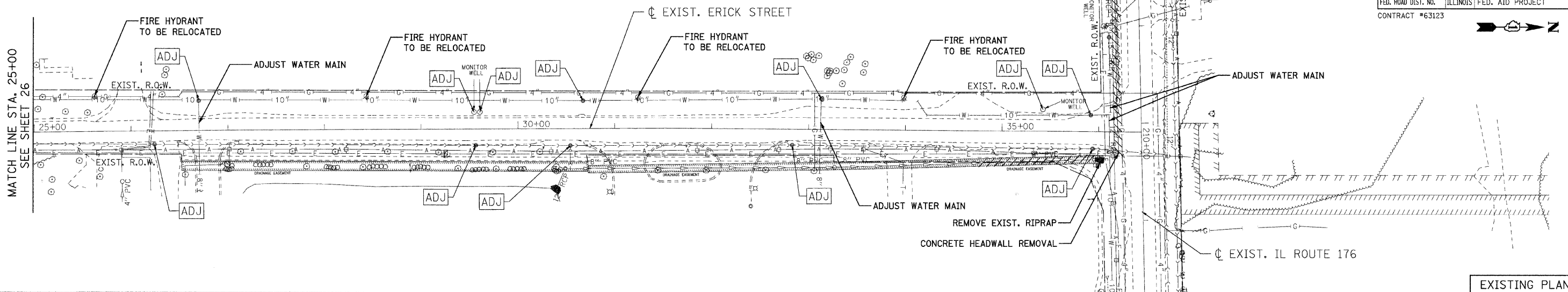
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DATE: DECEMBER 15, 2008
DRAWN BY: JJS
CHECKED BY: ADJ

DATE: _____ BY: _____
PLAN SURVEYED _____ CHECKED _____
NOTE BOOK _____ ALIGNMENT _____
NO. _____ PLOTTING _____
STRUCTURE NOTATION _____
FILE NAME _____

DATE: _____ BY: _____
PROFILE SURVEYED _____ CHECKED _____
NOTE BOOK _____ GRADES _____
NO. _____ STRUCTURE NOTATION _____
FILE NAME _____



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	27
STA. 25+00		TO STA. 36+43.85		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT #63123				



REVISIONS		DATE
NAME		

CITY OF CRYSTAL LAKE
ERICK STREET (FAU 0125)
DRAINAGE & UTILITIES

STA. 25+00 TO STA. 36+43.85

SCALE: 1:50 DRAWN BY: JJS
DATE: DECEMBER 15, 2008 CHECKED BY: ADJ

DATE	
BY	
REVISIONS	
NO. 1	
NO. 2	
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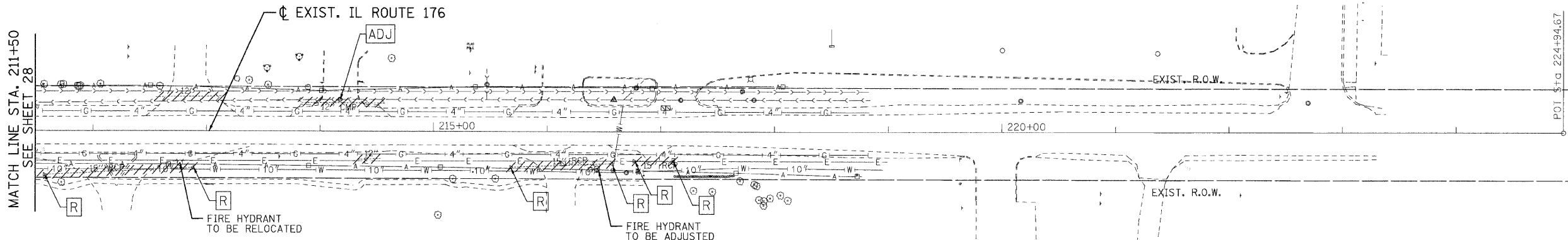


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	29
STA. 211+50		TO STA. 220+50		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT #63123				

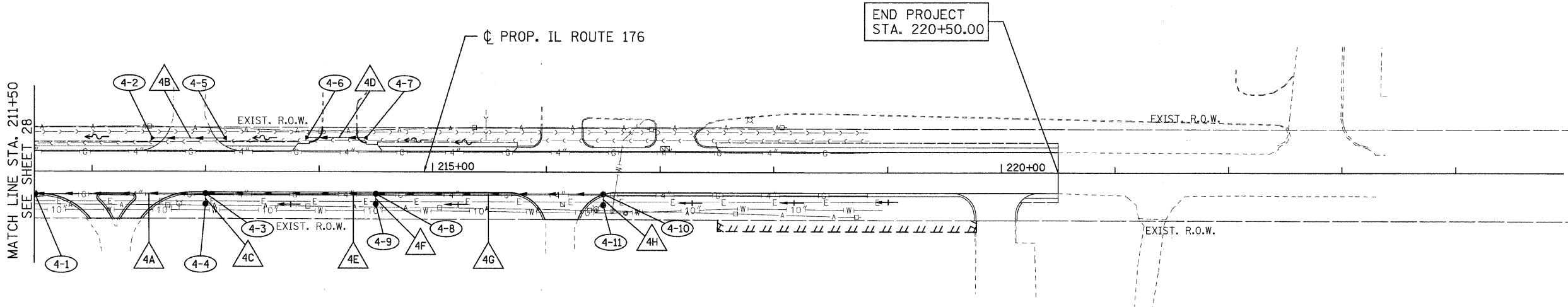
DATE	BY	DATE	BY
PLAN	DATE	BY	DATE
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DATE	BY	DATE	BY
PROFILE	DATE	BY	DATE
NO.	NO.	NO.	NO.

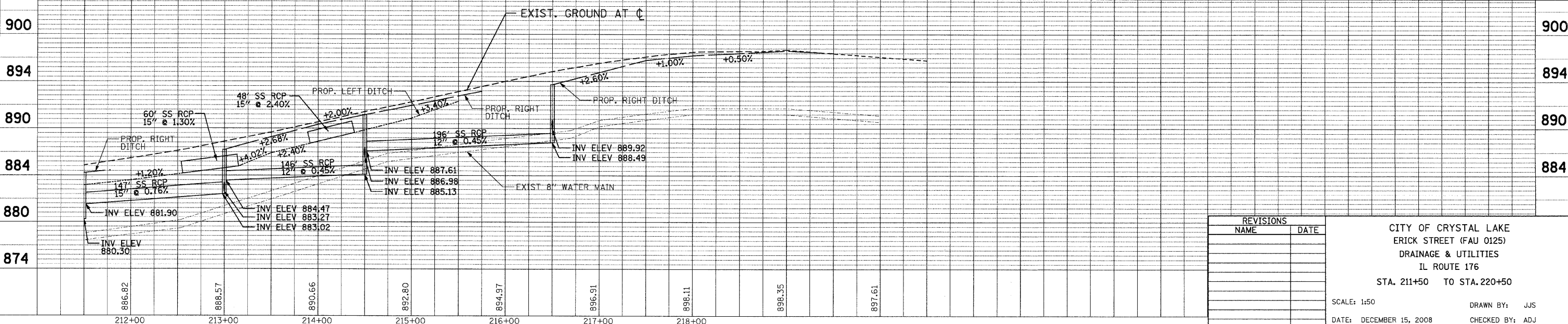
PATRICK
ENGINEERING INC.
LISLE, ILLINOIS



EXISTING PLAN



PROPOSED PLAN

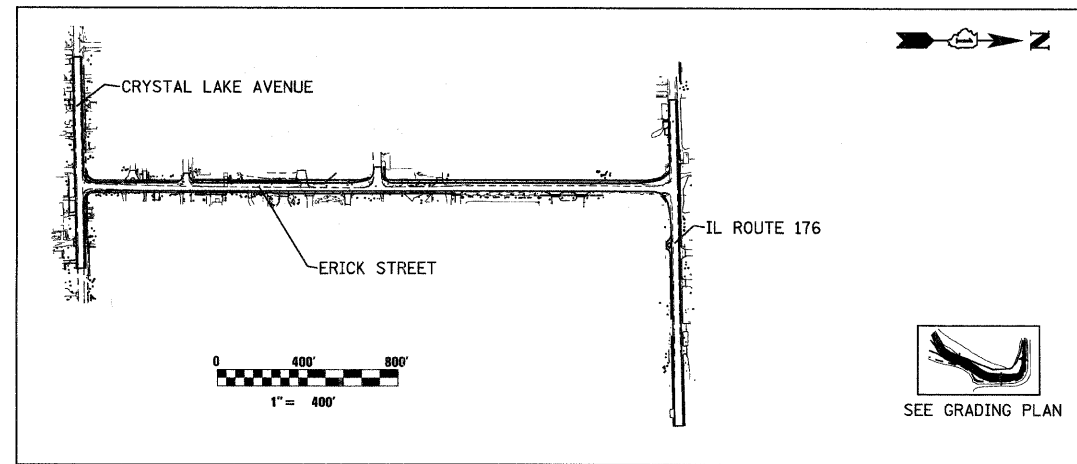


REVISIONS	
NAME	DATE

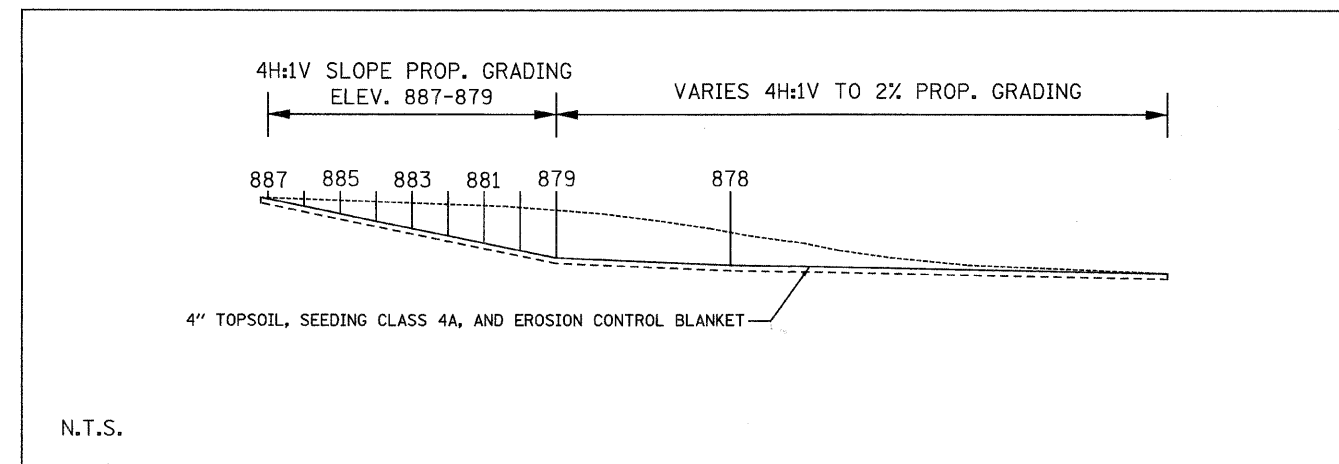
CITY OF CRYSTAL LAKE
ERICK STREET (FAU 0125)
DRAINAGE & UTILITIES
IL ROUTE 176
STA. 211+50 TO STA. 220+50

SCALE: 1:50
DATE: DECEMBER 15, 2008
DRAWN BY: JUS
CHECKED BY: ADJ

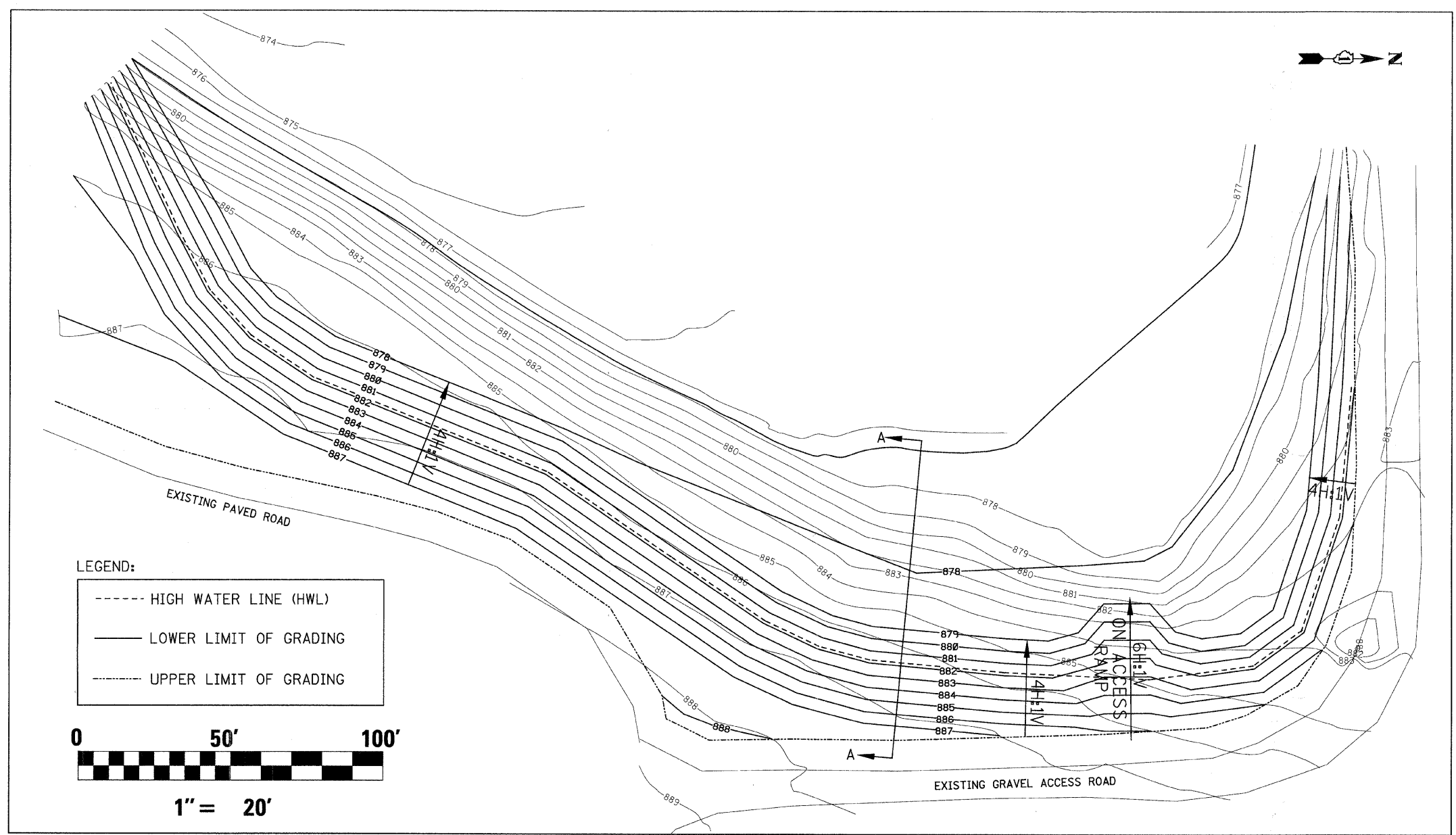
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	31
STA. N/A	TO STA. N/A			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT #63123				



VICINITY MAP



SECTION A-A



GRADING PLAN

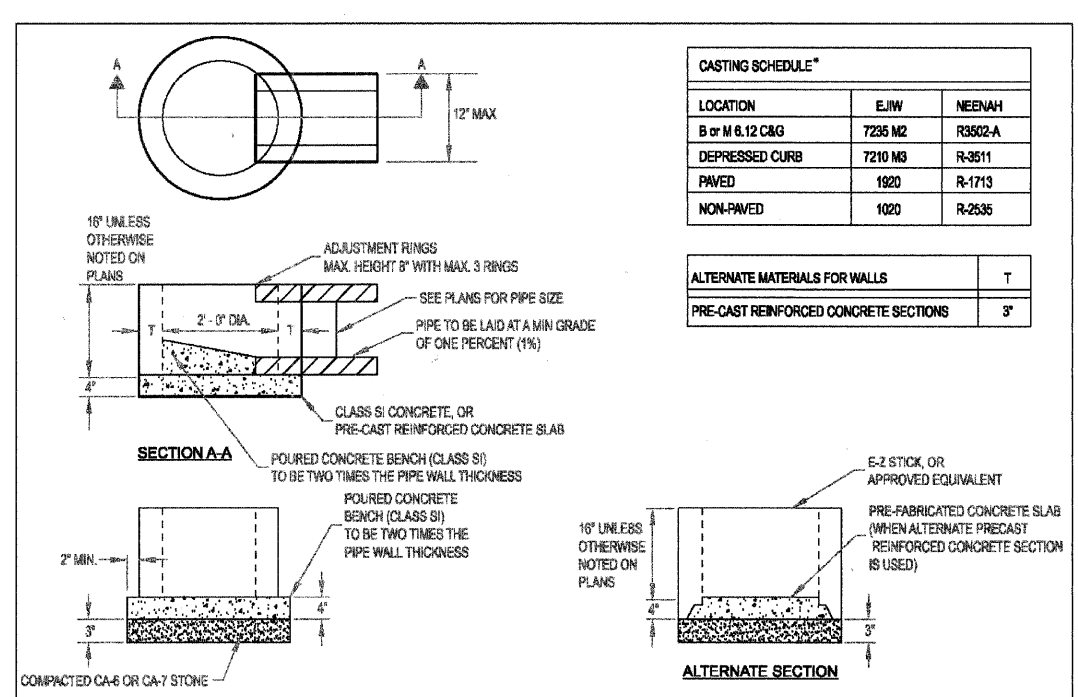
- NOTES:**
- EXISTING CITY OF CRYSTAL LAKE DETENTION POND TO BE EXPANDED TO PROVIDE AN ADDITIONAL 1.1 AC-FT OF STORAGE BELOW ELEV. 881.87 (HIGH WATER LINE).
 - COORDINATE ACCESS TO SITE WITH THE CRYSTAL LAKE POLICE DEPARTMENT. TO GAIN ACCESS TO THE SITE THE CONTRACTOR MUST SIGN IN AT THE POLICE STATION TO GET A KEY FOR THE FACILITY. THE POLICE DEPARTMENT PHONE NUMBER IS 815-459-2020.
 - RESTORE ALL DISTURBED DETENTION POND AREAS WITH SEEDING CLASS 4A AND EROSION CONTROL BLANKET.

REVISIONS	
NAME	DATE

CITY OF CRYSTAL LAKE
 ERICK STREET (FAU 0125)
 DRAINAGE & UTILITIES
 DETENTION POND GRADING PLAN

SCALE: 1:50
 DATE: DECEMBER 15, 2008
 DRAWN BY: JJS
 CHECKED BY: ADJ

PATRICK
 ENGINEERING INC.
 LISLE, ILLINOIS



CASTING SCHEDULE*		
LOCATION	EJIW	NEENAH
B or M 6.12 C&G	7235 M2	R3502-A
DEPRESSED CURB	7210 M3	R-3511
PAVED	1920	R-1713
NON-PAVED	1020	R-2535

ALTERNATE MATERIALS FOR WALLS		T
PRE-CAST REINFORCED CONCRETE SECTIONS		3"

Approved: City Engineer

 Victor C. Ramirez, P.E.
 Director of Engineering and Building

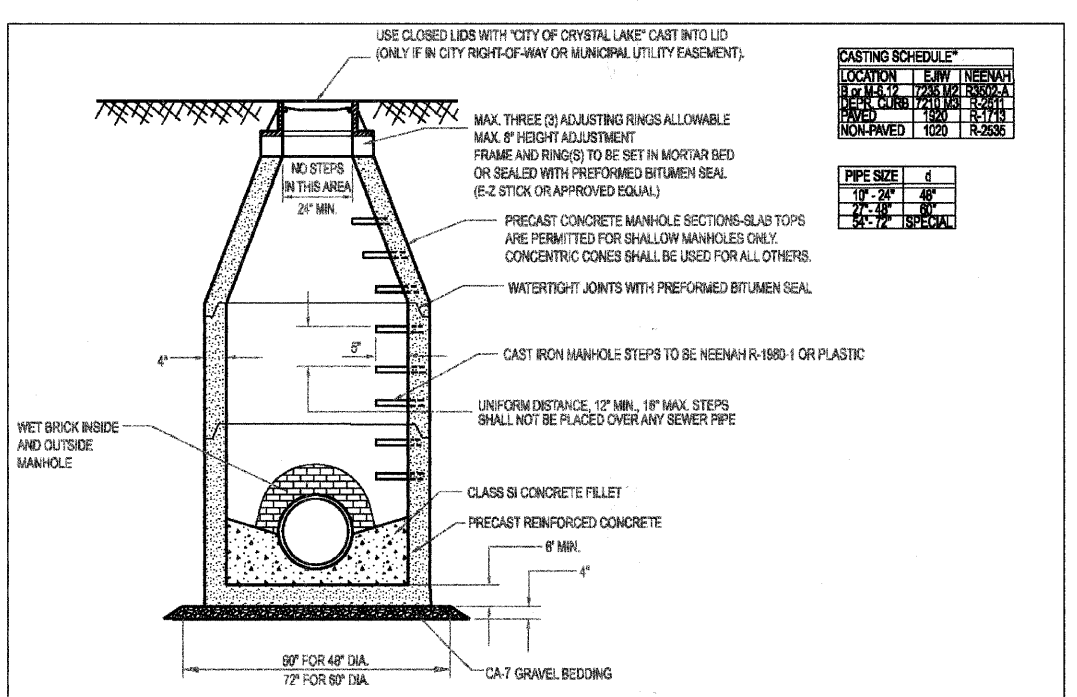
Drawing Name
**DRAINAGE STRUCTURES:
 INLET, TYPE A**

Drawing Number
UD-01a

Date: 4/15/2007

Drawn EM
 Checked LZ

**CRYSTAL LAKE
 ILLINOIS
 Engineering Division**



CASTING SCHEDULE*		
LOCATION	EJIW	NEENAH
B or M 6.12 C&G	7235 M2	R3502-A
DEPRESSED CURB	7210 M3	R-2511
PAVED	1920	R-1713
NON-PAVED	1020	R-2535

PIPE SIZE	d
10" - 24"	48"
27" - 48"	60"
54" - 72"	SPECIAL

Approved: City Engineer

 Victor C. Ramirez, P.E.
 Director of Engineering and Building

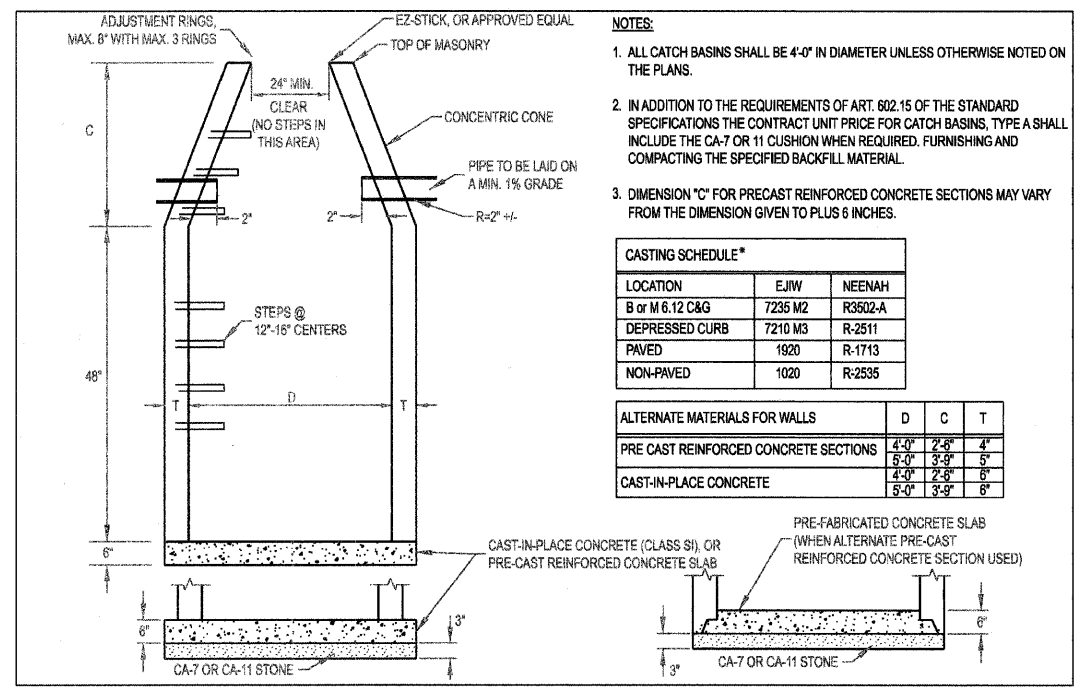
Drawing Name
**STORM MANHOLE
 TYPE A**

Drawing Number
UD-01d

Date: 4/15/2007

Drawn EM
 Checked LZ

**CRYSTAL LAKE
 ILLINOIS
 Engineering Division**



- NOTES:**
- ALL CATCH BASINS SHALL BE 4'-0" IN DIAMETER UNLESS OTHERWISE NOTED ON THE PLANS.
 - IN ADDITION TO THE REQUIREMENTS OF ART. 602.15 OF THE STANDARD SPECIFICATIONS THE CONTRACT UNIT PRICE FOR CATCH BASINS, TYPE A SHALL INCLUDE THE CA-7 OR 11 CUSHION WHEN REQUIRED, FURNISHING AND COMPACTING THE SPECIFIED BACKFILL MATERIAL.
 - DIMENSION "C" FOR PRECAST REINFORCED CONCRETE SECTIONS MAY VARY FROM THE DIMENSION GIVEN TO PLUS 6 INCHES.

CASTING SCHEDULE*		
LOCATION	EJIW	NEENAH
B or M 6.12 C&G	7235 M2	R3502-A
DEPRESSED CURB	7210 M3	R-2511
PAVED	1920	R-1713
NON-PAVED	1020	R-2535

ALTERNATE MATERIALS FOR WALLS			
	D	C	T
PRE CAST REINFORCED CONCRETE SECTIONS	4'-0"	2'-6"	4'
	6'-0"	3'-6"	5'
CAST-IN-PLACE CONCRETE	4'-0"	2'-6"	6'
	6'-0"	3'-6"	6'

Approved: City Engineer

 Victor C. Ramirez, P.E.
 Director of Engineering and Building

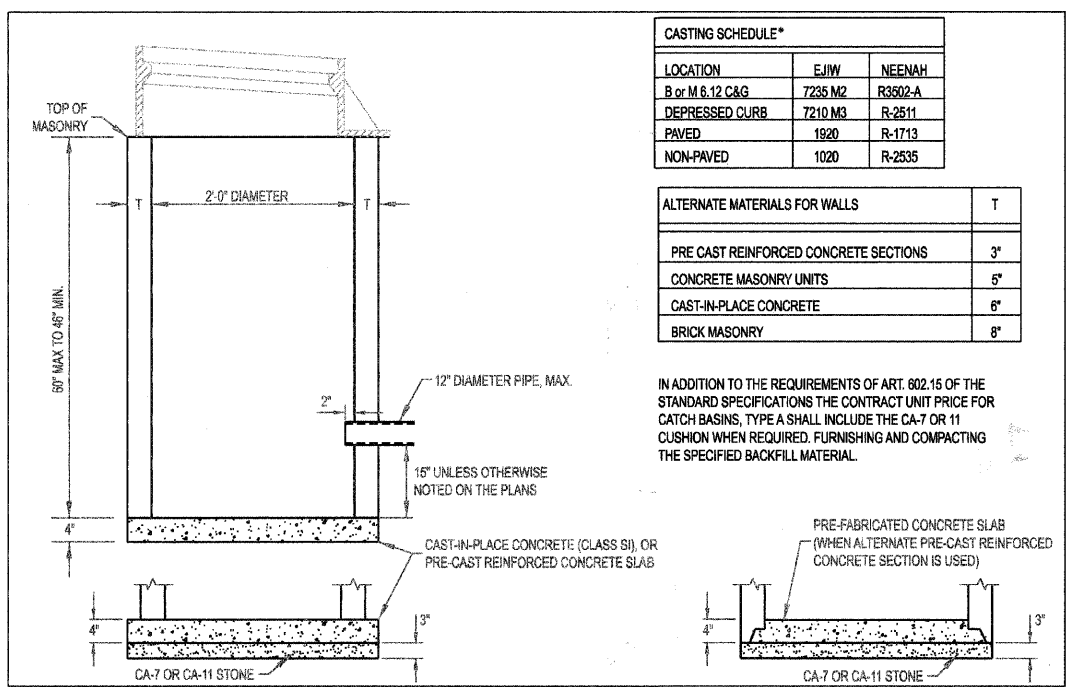
Drawing Name
CATCH BASIN, TYPE A

Drawing Number
UD-01b

Date: 4/15/2007

Drawn EM
 Checked LZ

**CRYSTAL LAKE
 ILLINOIS
 Engineering Division**



CASTING SCHEDULE*		
LOCATION	EJIW	NEENAH
B or M 6.12 C&G	7235 M2	R3502-A
DEPRESSED CURB	7210 M3	R-2511
PAVED	1920	R-1713
NON-PAVED	1020	R-2535

ALTERNATE MATERIALS FOR WALLS		T
PRE CAST REINFORCED CONCRETE SECTIONS		3"
CONCRETE MASONRY UNITS		5"
CAST-IN-PLACE CONCRETE		6"
BRICK MASONRY		8"

IN ADDITION TO THE REQUIREMENTS OF ART. 602.15 OF THE STANDARD SPECIFICATIONS THE CONTRACT UNIT PRICE FOR CATCH BASINS, TYPE A SHALL INCLUDE THE CA-7 OR 11 CUSHION WHEN REQUIRED, FURNISHING AND COMPACTING THE SPECIFIED BACKFILL MATERIAL.

Approved: City Engineer

 Victor C. Ramirez, P.E.
 Director of Engineering and Building

Drawing Name
CATCH BASIN, TYPE C

Drawing Number
UD-01c

Date: 4/15/2007

Drawn EM
 Checked SC

**CRYSTAL LAKE
 ILLINOIS
 Engineering Division**

*USE EJIW, NEENAH, OR CITY APPROVED EQUIVALENT CASTING

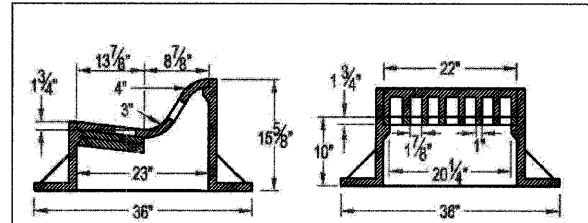
CITY OF CRYSTAL LAKE
 ERICK STREET (FAU 0125)
 DRAINAGE & UTILITIES
 DRAINAGE DETAILS

SCALE: NTS
 DATE: DECEMBER 15, 2008

DRAWN BY: JUS
 CHECKED BY: ADJ

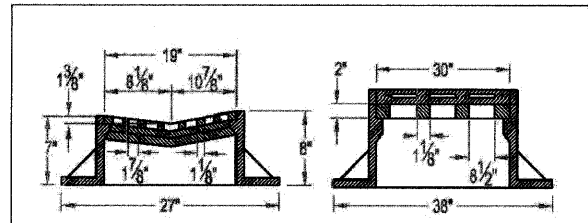
**PATRICK
 ENGINEERING INC.**
 LISLE, ILLINOIS

UD-02a

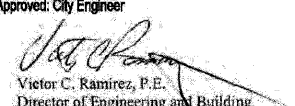


CITY REQUIREMENTS

1. BARRIER CURB: USE NEENAH R-3502-A; EJIW 7235 / TYPE M2 GRATE; OR APPROVED EQUAL.
2. MOUNTABLE CURB OR DRIVEWAYS: USE NEENAH R-3511; EJIW 7210 / TYPE M3 GRATE; OR APPROVED EQUAL.
3. CONCRETE MUST BE POURED A MINIMUM OF 8" AROUND THE CIRCUMFERENCE OF THE FRAME AND AT LEAST 6" BELOW THE FRAME TO ENSURE THAT THERE WILL BE NO INFILTRATION BETWEEN THE FRAME AND STRUCTURE.



Approved: City Engineer



Victor C. Ramirez, P.E.
Director of Engineering and Building

Drawing Name


CURB INLET FRAME AND GRATE

Drawing Number

UD-02a

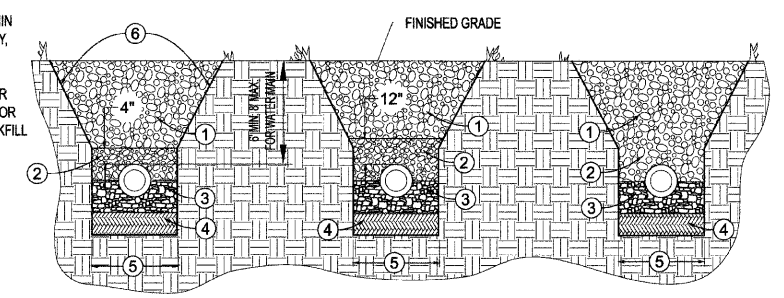
Date: 11/2/2007

Drawn: EM Checked: TH



CRYSTAL LAKE
ILLINOIS
Engineering Division

1. TRENCH BACKFILL TO SUBGRADE AND WITHIN 2 FEET OF PROPOSED PAVEMENT, DRIVEWAY, CURB AND GUTTER OR SIDEWALK. TRENCH BACKFILL MATERIALS SHALL BE IDOT APPROVED GRADATION CA-6, GRADE 7, 8, OR 9 COMPACTED TO 90% OF MODIFIED PROCTOR DENSITY. IN NON-STRUCTURAL AREAS BACKFILL WITH APPROVED EXCAVATED MATERIALS.
2. INITIAL BACKFILL TO DEPTH AS INDICATED. MATERIAL SHALL BE IDOT APPROVED GRADATION CA-6, GRADE 7, 8, OR 9.
3. PIPE BEDDING SHALL BE FRACTURED GRANULAR MATERIAL IDOT GRADATION CA-7 OR CA-11 FROM 4 INCHES BELOW HORIZONTAL CENTER OF PIPE.
4. UNSUITABLE MATERIAL TO BE REMOVED WHERE DIRECTED BY THE ENGINEER AND REPLACED WITH COMPACTED SUITABLE MATERIAL.
5. TRENCH WIDTH:
PIPE O.D. + 12 INCHES MINIMUM
PIPE I.D. + 18 INCHES MAXIMUM
6. CONTRACTORS SHALL COMPLY WITH THE LATEST OSHA STANDARDS INCLUDING, BUT NOT LIMITED TO: SLOPING AND BENCHING TRENCHING WALLS; TRENCH SUPPORT AND SHORING SYSTEMS; SHIELD SYSTEMS; AND HAZARDOUS ATMOSPHERES.



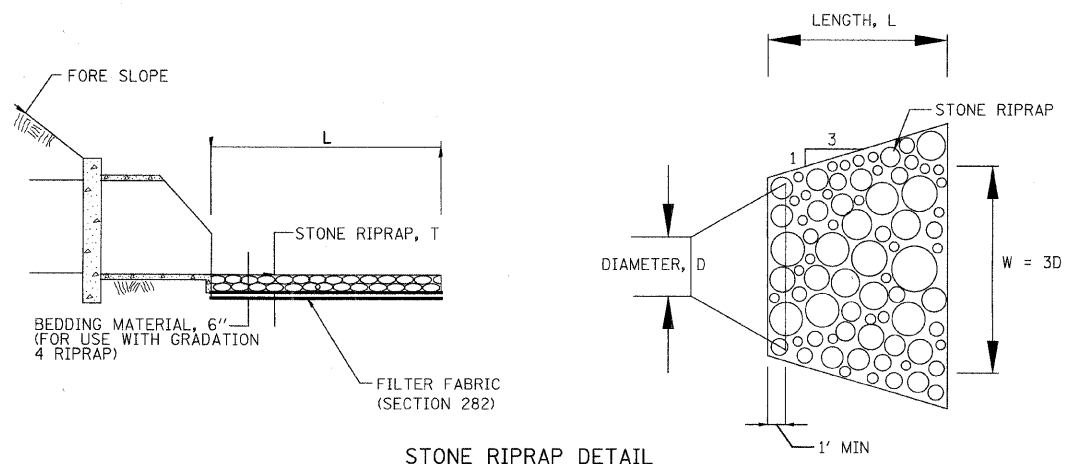
SECTION A:
WATER MAIN (DIP*)
FORCE MAIN (DIP*)

SECTION B:
SANITARY SEWER & SERVICES (PVC)
STORM SEWER (PVC)
SANITARY SEWER MAIN & SERVICES (ESVCP, DIP*)
SANITARY MAIN & WATER MAIN (HDPE)

SECTION C:
STORM SEWER (RCP)

* NOTE: ALL DUCTILE IRON SHALL BE SUBJECT TO POLY WRAP PER CITY ENGINEER

TYPICAL TRENCH CROSS SECTION



STONE RIPRAP, CLASS A								
LOCATION	OFFSET	GRADATION	WIDTH (W)	LENGTH (L)	THICKNESS (T)	RIPRAP	FABRIC	
STATION	RT/LT	TYPE	FT	FT	FT	SQ YD	SQ YD	
*207+08 RTE 176	RT	A3	1.5	2	.84	0.5	0.5	
*210+77 RTE 176	LT**	A4	12	16	1.9	30.8	30.8	

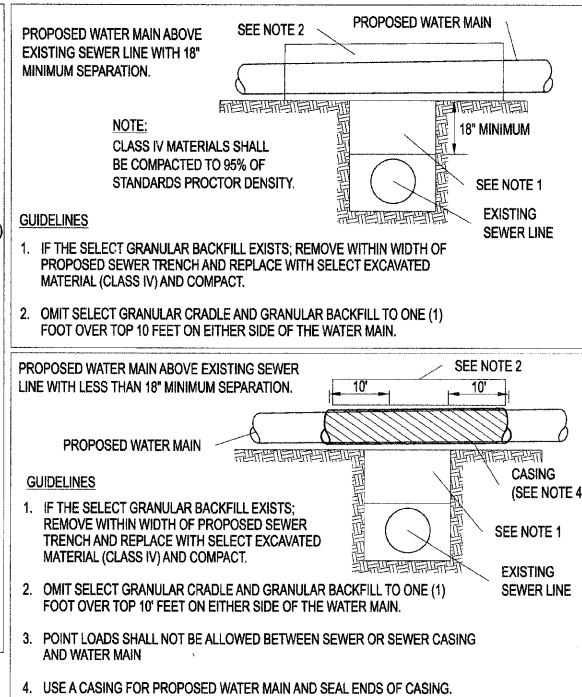
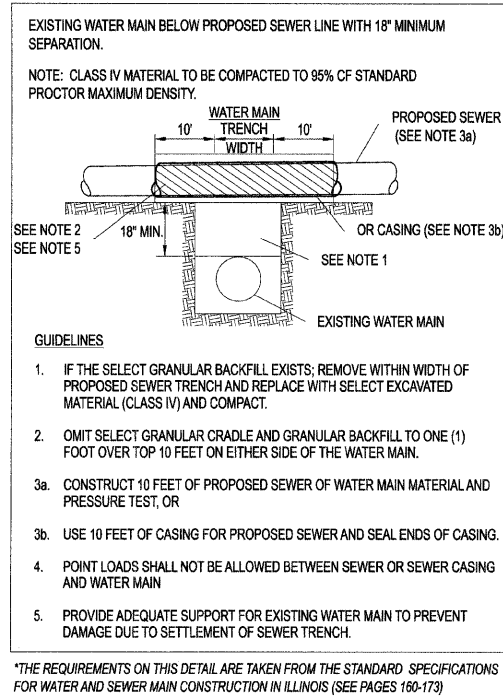
*RIPRAP FOR PERMANENT USE
**OFFSITE STORM SEWER OUTFALL

REVISIONS	
NAME	DATE

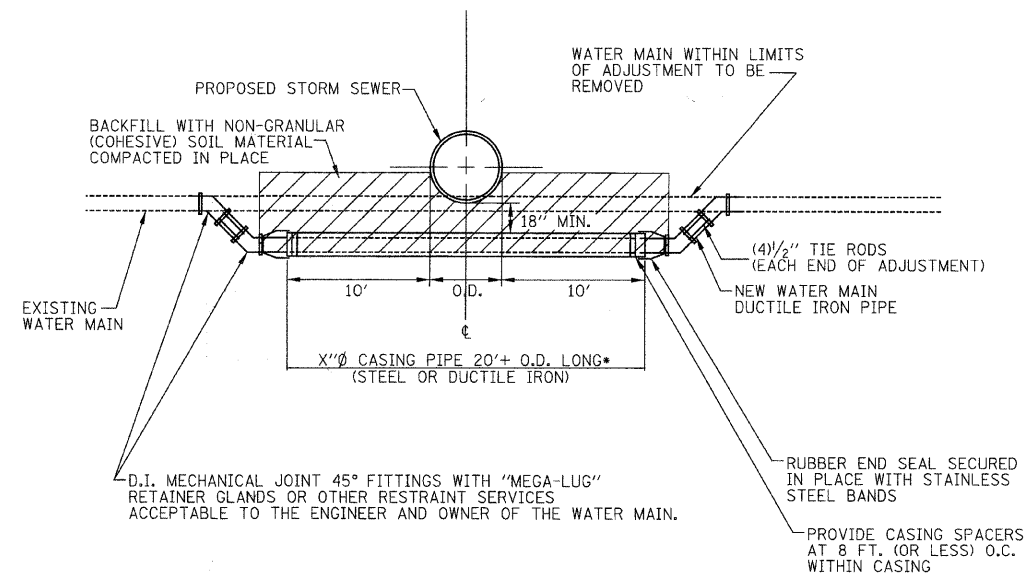
CITY OF CRYSTAL LAKE
ERICK STREET (FAU 0125)
DRAINAGE & UTILITIES
DRAINAGE DETAILS

SCALE: NTS
DATE: DECEMBER 15, 2008

DRAWN BY: JJS
CHECKED BY: ADJ



WATER-SEWER SEPARATION DETAIL (1 OF 2)

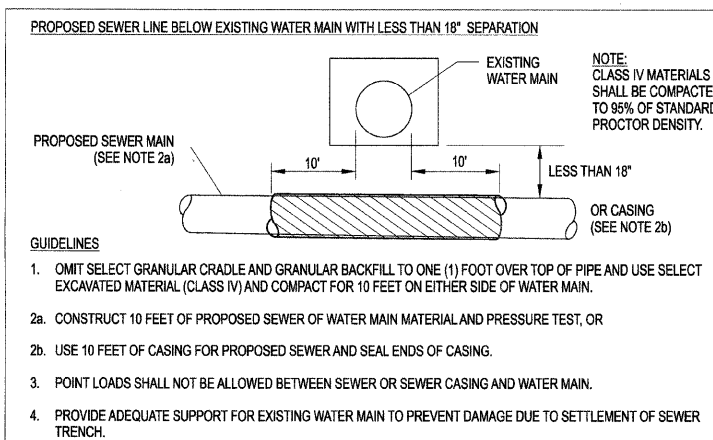
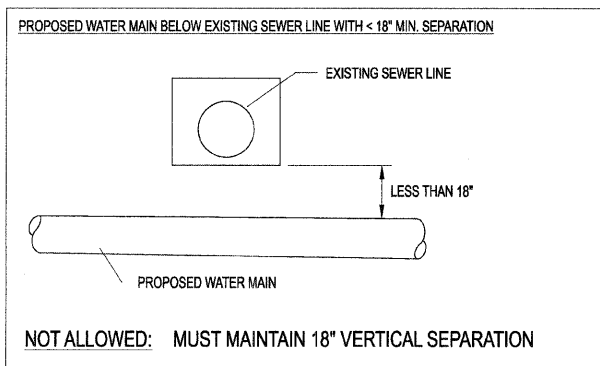
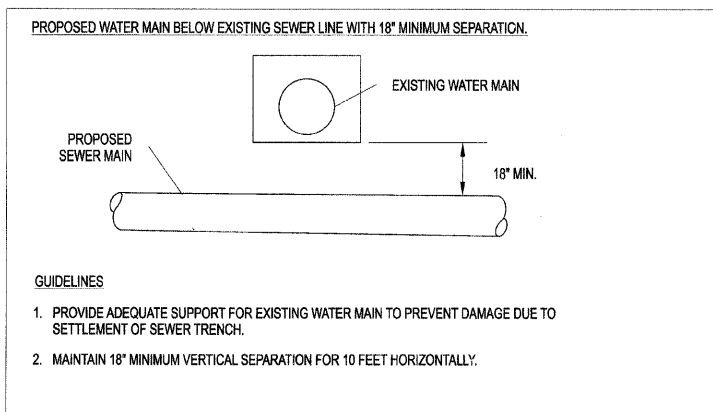
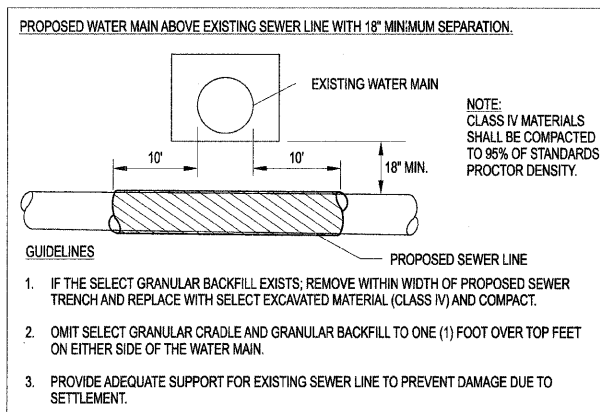


WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE BOTTOM OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE.

ARRANGE CROSSING SO THAT THE SEWER PIPE JOINTS AND THE WATER MAIN PIPE JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING (PIPES CENTERED ON THE CROSSING).

*WHERE PROPOSED STORM SEWER MEETS WATER MAIN REQUIREMENTS, CASING PIPE SHALL BE OMITTED.

WATER MAIN ADJUSTMENT/CASING DETAIL



WATER-SEWER SEPARATION DETAIL (2 OF 2)

*THE REQUIREMENTS ON THIS DETAIL ARE TAKEN FROM THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (SEE PAGES 160-173)

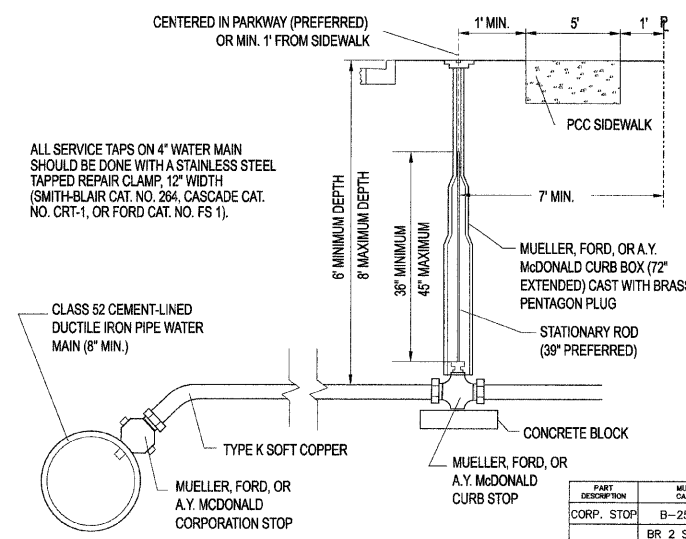
REVISIONS	
NAME	DATE

CITY OF CRYSTAL LAKE
ERICK STREET (FAU 0125)
DRAINAGE & UTILITIES
DRAINAGE DETAILS

SCALE: NTS
DATE: DECEMBER 15, 2008

DRAWN BY: JJS
CHECKED BY: ADJ

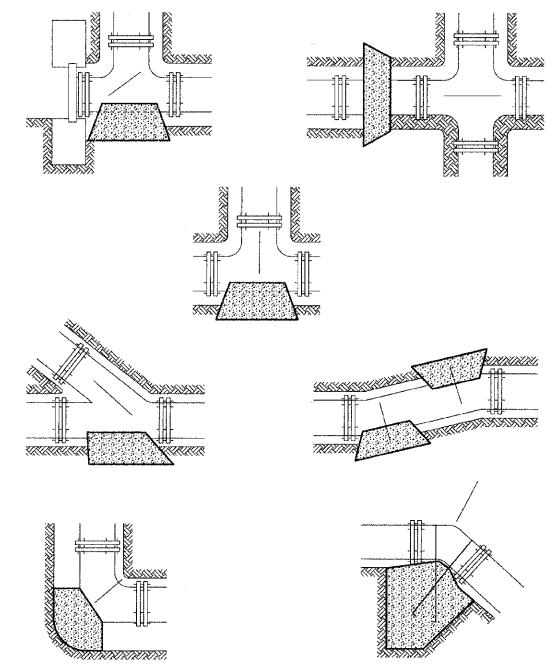




- NOTES:
1. NO CORPORATION STOPS OR CURB BOXES MAY BE LOCATED UNDER PAVED AREAS INCLUDING DRIVES AND SIDEWALKS
 2. ALL WATER MAIN HARDWARE SHALL BE MUELLER, A.Y. McDONALD, OR FORD.
 3. SERVICE TO BE CONTINUOUS WITHOUT JOINTS FROM CORPORATION STOP TO CURB STOP.
 4. MULTIPLE TAPS INTO MAIN SHALL BE NO CLOSER THAN 2' APART.
 5. TRENCH FROM MAIN TO BACK OF SIDEWALK TO BE COMPACTED TRENCH BACKFILL.
 6. NO FLARE FITTINGS WILL BE ACCEPTED.
 7. ALL CURB BOX ADJUSTMENTS TO BE MADE WITH GALVANIZED PIPE AND COUPLINGS (SCREWED ON)
 8. ALL COPPER TO BE REAMED BOTH INSIDE AND OUTSIDE AFTER CUTTING.
 9. B-BOXES (TWO OR MORE) FOR ALL MULTI-UNIT BUILDINGS MUST BE CLEARLY AND PERMANENTLY LABELED BY WELDING THE UNIT NUMBER/LETTER ONTO THE B-BOX TOP

PART DESCRIPTION	MUELLER CAT. NO.	FORD CAT. NO.	A.Y. McDONALD CAT. NO.	SERVICE SIZE
CORP. STOP	B-25008	FB1000-Q	4701BQ	
DOUBLE STRAP SERVICE SADDLE	BR 2 S 0684 CC	202BS-750-CC	3855 6	
	BR 2 S 0899 CC	202BS-962-CC	3855 8	
	BR 2 S 1104 CC	202BS-1212-CC	3855 10	
	BR 2 S 1314 CC	202BS-1438-CC	3855 12	
STOP CURB	B-25155	B44-M-Q	6104Q	
CURB BOX	H-10300	EM2-60-56	5614	1" & 1.25" A.Y. McD.
	H-10300-99002	EM2-60-57	5615	1.25" FORD, 1.5" & 2"
STATIONARY ROD	84247	ROD-36	5660	

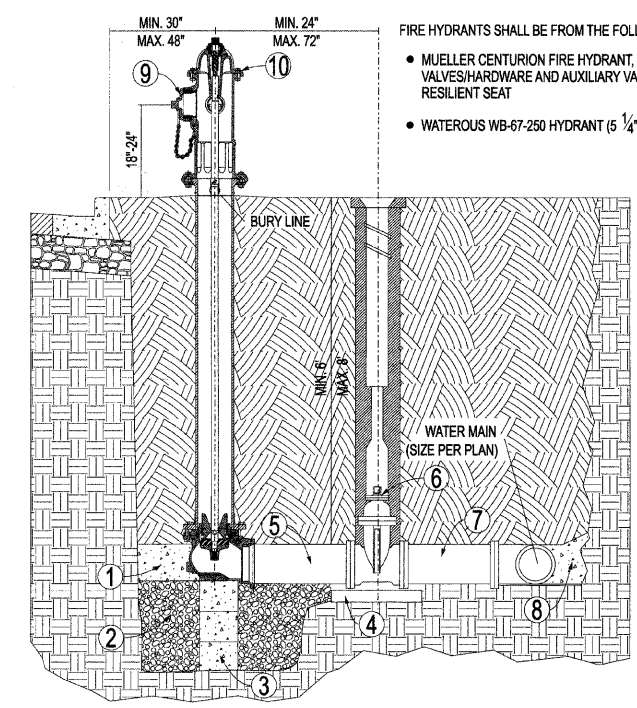
WATER SERVICE INSTALLATION DETAIL



PIPE SIZE	BEARING AREA (SQ. FT.)				
	TEE/PLUG	90°	45°	21 1/2°	11 1/4°
6	4	2	1	1	1
8	6	4	3	1	1
10	7	5	3	2	1
12	8	6	4	3	2
14	12	9	6	4	3
16	15	12	7	5	3
18	18	15	9	5	4
24	40	30	15	10	5

- NOTES:
- ALL BLOCKING SHALL BE POURED CLASS SI CONCRETE AGAINST UNDISTURBED EARTH.
 - ALL BENDS OR ELBOWS GREATER THAN 11 1/4° SHALL HAVE THRUST BLOCKING. FORM AS TO NOT COVER BOLTS.
 - IN LEU OF THRUST BLOCKING "MEGA LUG" (EBAA) JOINT RESTRAINTS OR APPROVED EQUAL CAN BE USED AS APPROVED BY THE ENGINEER.

THRUST BLOCK DETAIL



- FIRE HYDRANTS SHALL BE FROM THE FOLLOWING LIST, AS APPROVED BY THE CITY:
- MUELLER CENTURION FIRE HYDRANT, OPT-094 (5 1/4" BARREL) WITH MUELLER VALVES/HARDWARE AND AUXILIARY VALVE 6" GATE VALVE NO. 2360-23-9020 MODIFIED WEDGE RESILIENT SEAT
 - WATEROUS WB-67-250 HYDRANT (5 1/4" PACER) WITH SERIES 2500-1 RESILIENT WEDGE GATE VALVE
1. PROVIDE CLASS SI CONCRETE BASE AND BLOCKING AGAINST UNDISTURBED EARTH
 2. DRAIN SUMP TO BE 3/4 CUBIC YARD OF 3/4" WASHED STONE
 3. CONCRETE SUPPORT
 4. CONCRETE BLOCK OR BRICK SUPPORT
 5. PIPE AS REQUIRED TO MAINTAIN 24" SEPARATION AS SHOWN (DIRECT MECHANICAL JOINT CONNECTION IF APPROVED BY CITY)
 6. RUBBER VALVE BOX STABILIZER
 7. USE "CORTEN" STEEL TIE RODS BETWEEN AUXILIARY VALVE AND WATER MAIN (STAINLESS STEEL MAY BE REQUIRED BY THE CITY ENGINEER). ANY DISTANCE GREATER THAN 30" SHALL BE RODDED TO MEGA-LUG FLANGE. NO COUPLINGS ARE PERMITTED IN RODS.
 8. CONCRETE BLOCKING CAST IN PLACE 3000 P.S.I.
 9. 4 1/2" PORT TO FACE PAVEMENT OR AS DIRECTED BY CITY ENGINEER
 10. ALL NEWLY INSTALLED HYDRANTS MUST BE TOP COATED WITH RUST-OLEUM FIRE HYDRANT ENAMEL (COLOR = FIRE HYDRANT RED)
 11. MIN. 48" BETWEEN HYDRANT AND ANY VERTICAL OBSTRUCTIONS.
 12. MIN. 72" BETWEEN HYDRANT AND ANY LANDSCAPING WITH A MATURE HEIGHT GREATER THAN 12".
 13. ALL VALVE AND HYDRANT HARDWARE MUST BE STAINLESS STEEL INCLUDING NUTS, BOLTS, AND WASHERS.

FIRE HYDRANT DETAIL

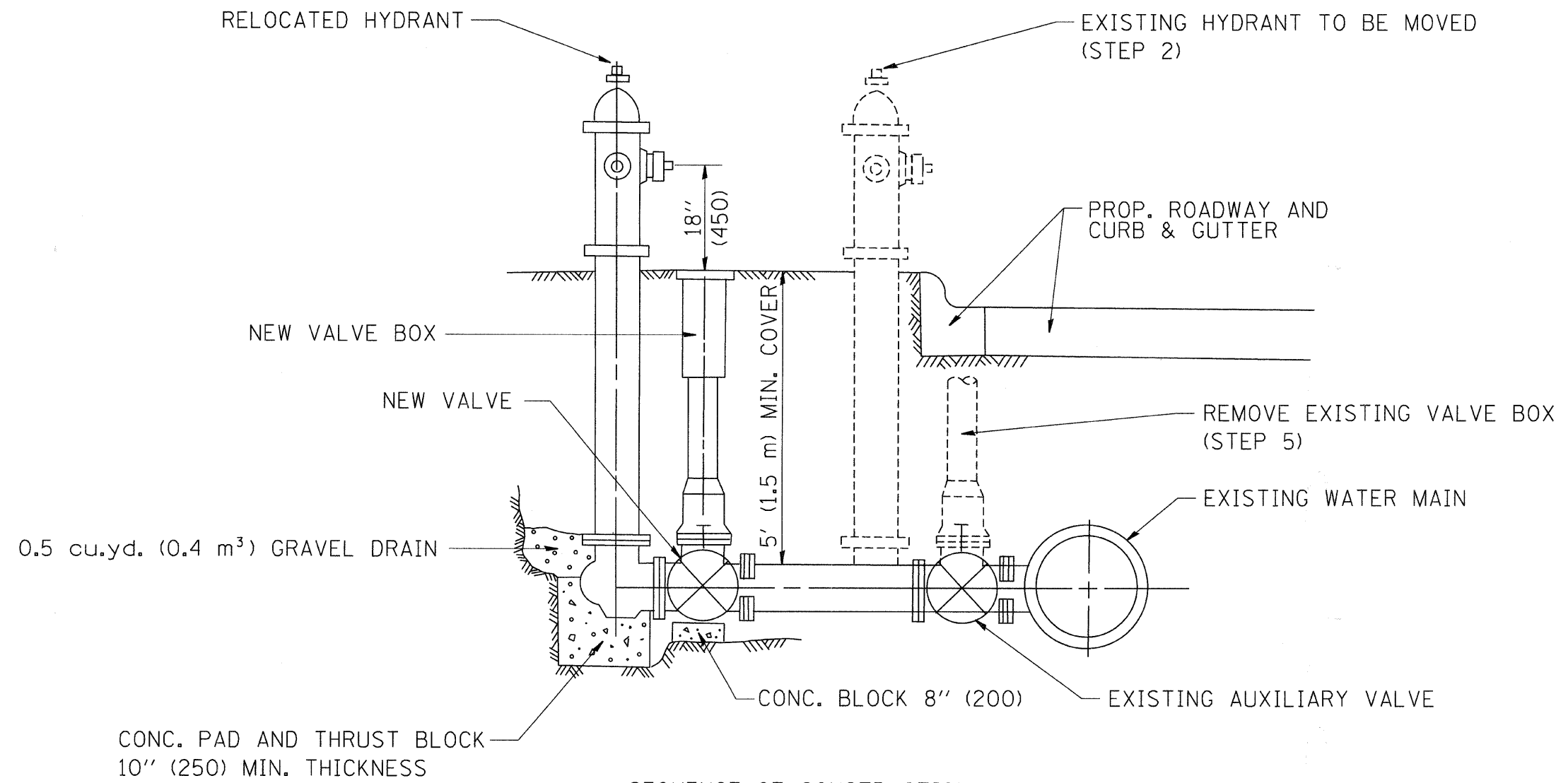
REVISIONS	
NAME	DATE

CITY OF CRYSTAL LAKE
 ERICK STREET (FAU 0125)
 DRAINAGE & UTILITIES
 DRAINAGE DETAILS

SCALE: NTS
 DATE: DECEMBER 15, 2008

DRAWN BY: JJS
 CHECKED BY: ADJ

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHEMRY	73	36
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



- SEQUENCE OF CONSTRUCTION:
1. CLOSE EXISTING VALVE.
 2. REMOVE EXISTING HYDRANT.
 3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
 4. RELOCATE EXISTING HYDRANT.
 5. OPEN EXISTING VALVE, REMOVE BOX.
 6. BACKFILL.
 7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

ALL WORK TO BE DONE IN ACCORDANCE WITH ARTICLE 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

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

REVISIONS	
NAME	DATE
R. SHAH	09/09/94
R. SHAH	10/25/94

ILLINOIS DEPARTMENT OF TRANSPORTATION

FIRE HYDRANT TO BE MOVED

SCALE: VERT. NONE
HORIZ.

DRAWN BY
CHECKED BY

PLOT DATE : 2/5/2007
FILE NAME : K:\asst\shah\bd500-dp
PLOT SCALE : 5/8"=1'-0"
USER NAME : bshah-dl

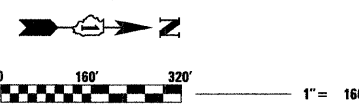
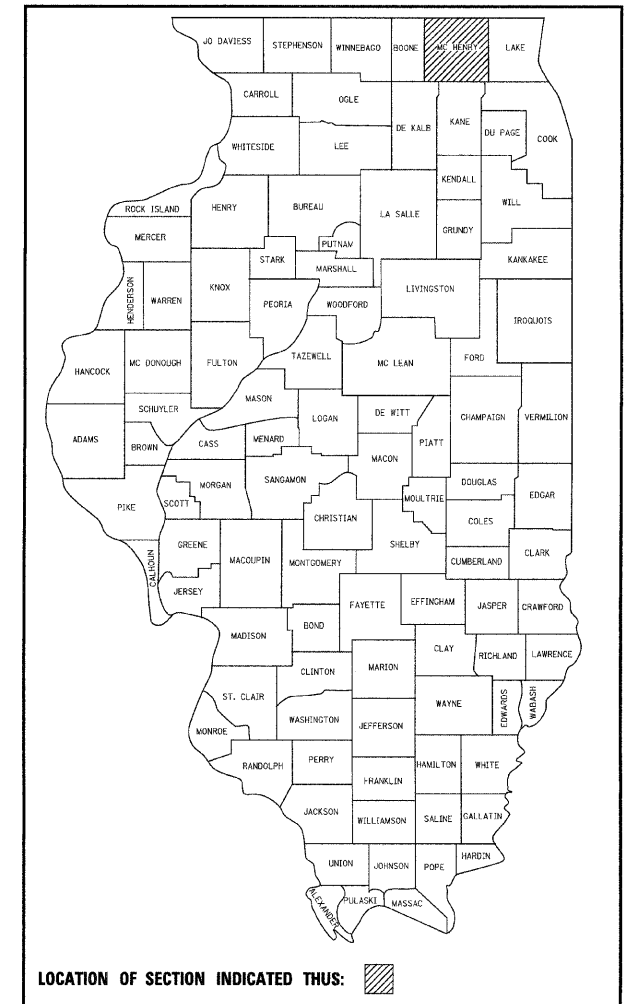
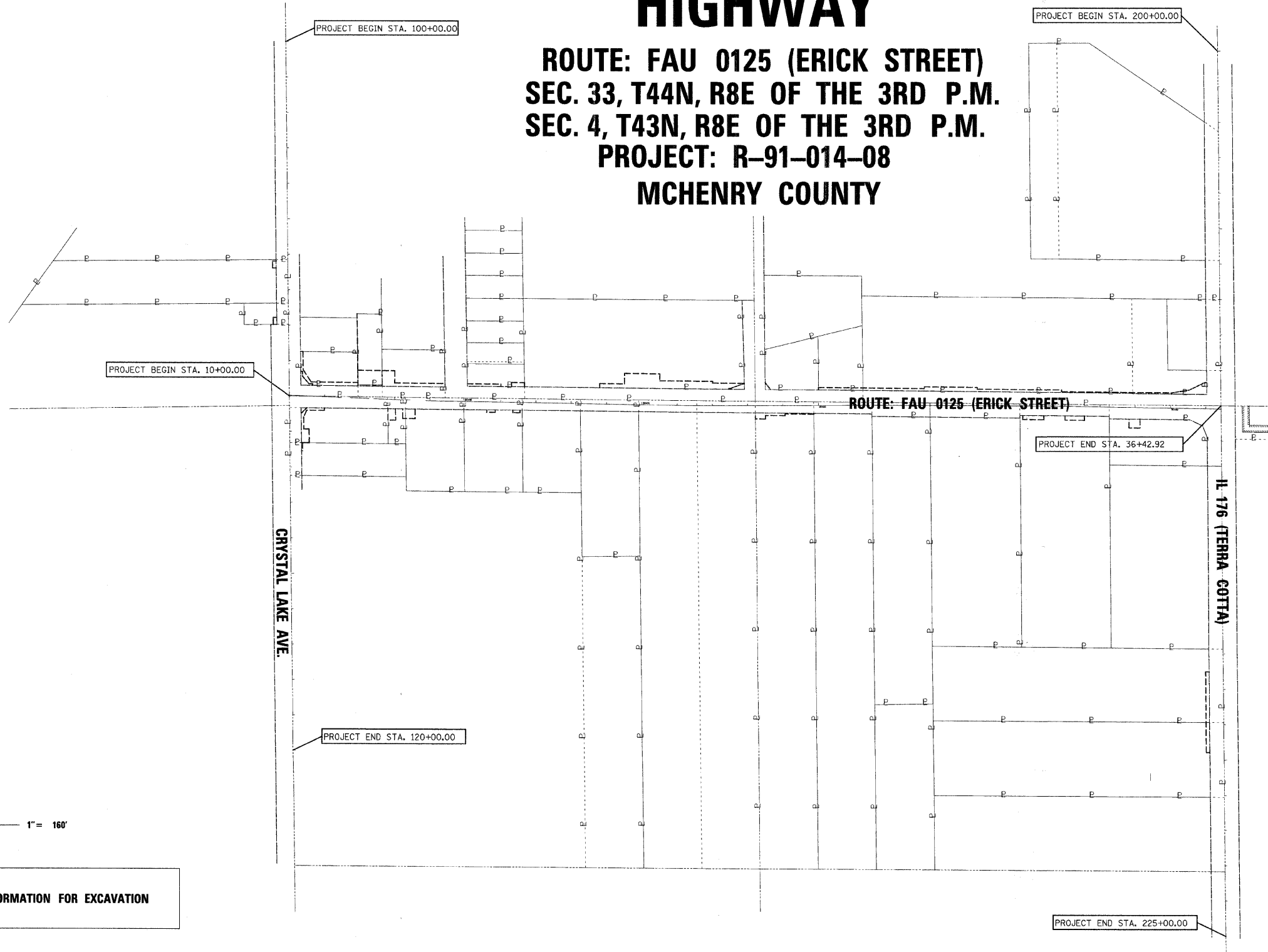
STATE OF ILLINOIS
CITY OF CRYSTAL LAKE
DIVISION OF HIGHWAYS

PLAT OF
HIGHWAY

ROUTE: FAU 0125 (ERICK STREET)
SEC. 33, T44N, R8E OF THE 3RD P.M.
SEC. 4, T43N, R8E OF THE 3RD P.M.
PROJECT: R-91-014-08
MCHENRY COUNTY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU0125	97-00091-00-FP	MCHENRY	73	37

CONTRACT #63123



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

REVISION	
DATE	DESCRIPTION

CITY OF CRYSTAL LAKE
PLAT OF HIGHWAYS
ROUTE ERICK STREET (FAU 0125)
SECTION 96-00091-00-FP
MCHENRY COUNTY
JOB# 20708.028 PROJ# R-91-014-08
SEC 33, T 44N, R 8E OF 3RD P.M.

DRAWN RJP/CD CHECKED CD/SL
SCALE: 1" = 160' SHEET NO. 37 OF 46

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
X	97-00091-00-FP	McHENRY	73	40

CONTRACT #63123

STATION OFFSETS

61 STA. 18+79.99 45.00 LT.	81 STA. 23+22.36 42.00 RT.
62 STA. 19+49.99 45.00 LT.	82 STA. 23+50.54 50.00 RT.
63 STA. 19+49.99 75.00 LT.	83 STA. 23+50.54 40.00 RT.
64 STA. 20+49.99 75.00 LT.	84 STA. 24+06.25 40.00 RT.
65 STA. 20+49.99 55.00 LT.	85 STA. 24+06.25 35.00 RT.
66 STA. 22+00.15 55.00 LT.	86 STA. 24+87.25 35.00 RT.
67 STA. 22+00.15 50.00 LT.	87 STA. 24+99.66 40.00 LT.
68 STA. 22+90.15 50.00 LT.	
69 STA. 22+45.77 33.00 LT.	
70 STA. 22+45.77 35.00 LT.	
71 STA. 22+50.77 35.00 LT.	
72 STA. 23+48.52 53.00 LT.	
73 STA. 23+63.91 33.00 LT.	

LINE TABLE

L21 N88°27'20"E	17.01
L22 S89°20'09"W	20.00
L23 N52°56'06"E	25.23
L24 S00°31'25"W	15.00
L25 S89°17'24"W	17.00

- LEGEND
- ▣ CATCH BASIN
 - SURVEY MONUMENT (FOUND)
 - ▣ SPLICE BOX
 - MANHOLE
 - ▣ JUNCTION BOX
 - ⊕ POWER POLE
 - ▣ MONITORING WELL
 - ⊕ MAILBOX
 - ⊕ SIGN
 - ⊕ FIRE HYDRANT
 - SECTION LINE
 - PERMANENT EASEMENT
 - TEMPORARY CONSTRUCTION EASEMENT
 - RIGHT-OF-WAY LINE

STATE OF ILLINOIS)
 COUNTY OF LAKE)SS

WE, PATRICK ENGINEERING INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM, NUMBER 184-000409, DO HEREBY DECLARE THAT THIS MAP OR PLAN AND THE SURVEY ON WHICH IT IS BASED IS A TRUE AND CORRECT REPRESENTATION OF SAID SURVEY.

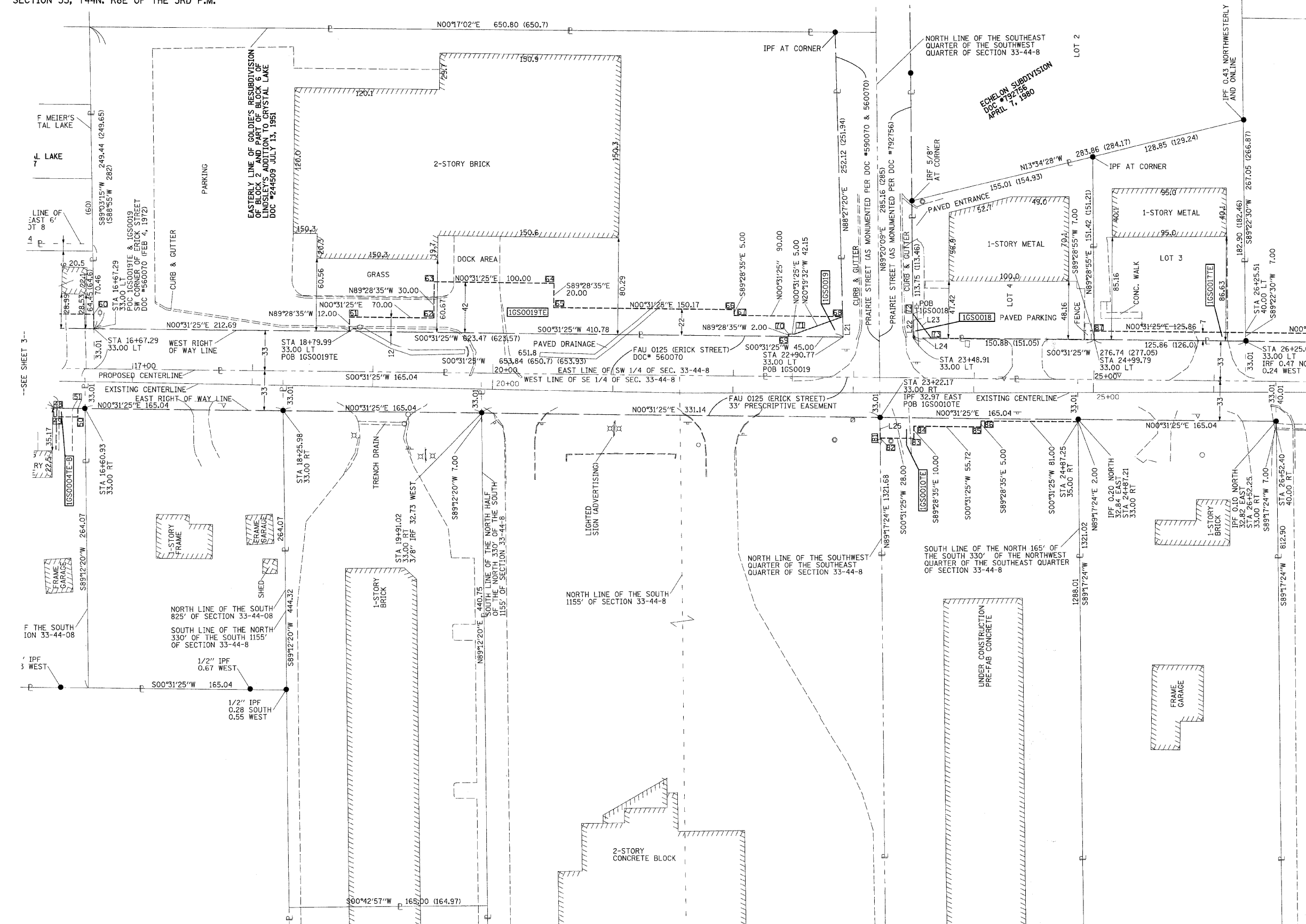
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

THE LEGAL DESCRIPTION IS ATTACHED HERETO AND MADE A PART HEREOF AS EXHIBIT A.

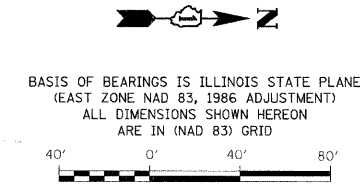
ALL DIMENSIONS ARE IN FEET AND DECIMAL PARTS THEREOF. NO DISTANCE OR ANGLES SHOWN HEREON MAY BE ASSUMED BY SCALING.

GIVEN UNDER MY HAND AND SEAL THIS 4TH DAY OF APRIL, 2008 IN LISLE, ILLINOIS.

SCOTT A. LUTZ, I.P.L.S. NO. 3511
 LICENSE EXPIRES NOVEMBER, 30, 2008



SEE SHEET 8 FOR TOTAL HOLDING



BASIS OF BEARINGS IS ILLINOIS STATE PLANE (EAST ZONE NAD 83, 1986 ADJUSTMENT) ALL DIMENSIONS SHOWN HEREON ARE IN (NAD 83) GRID

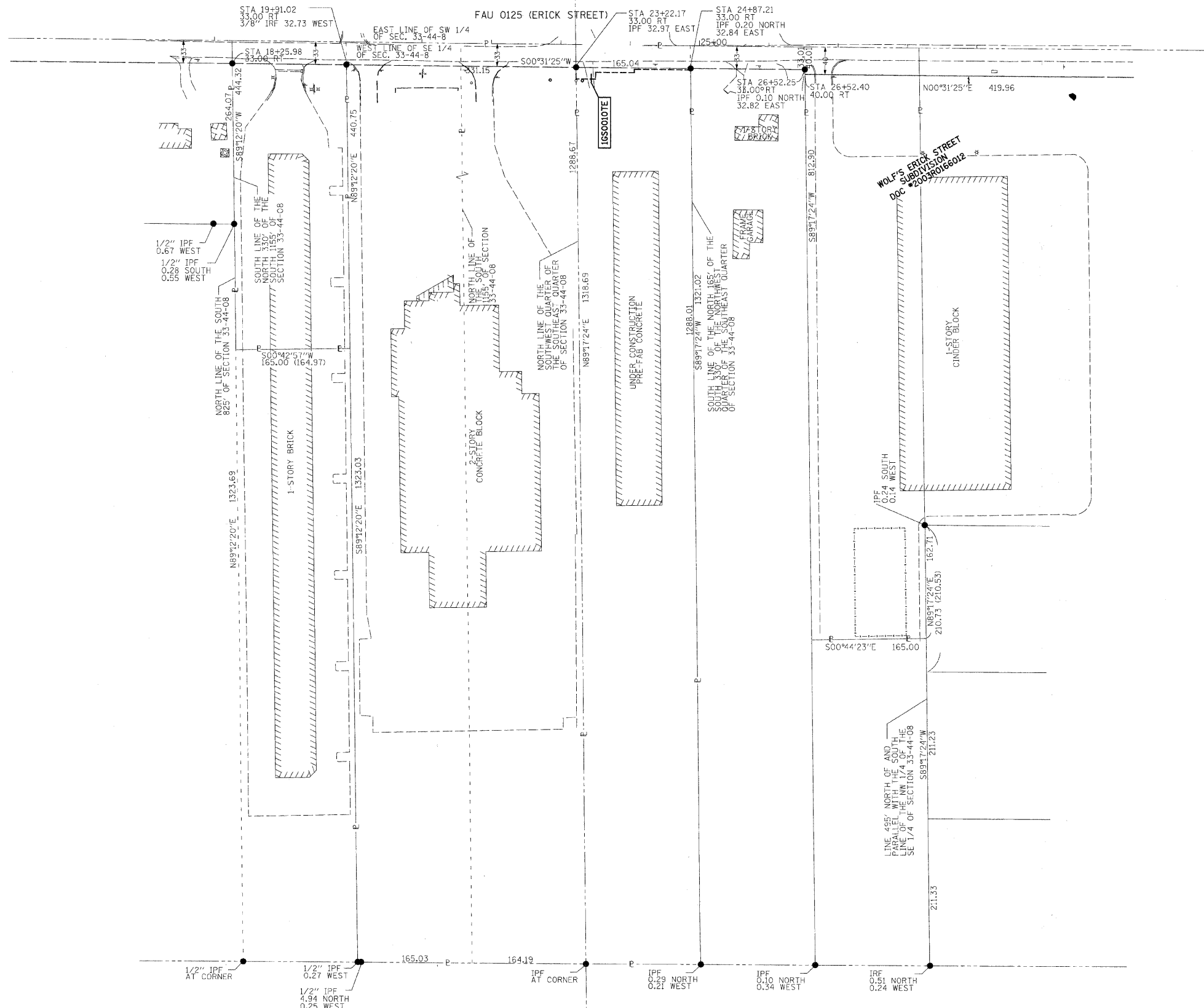
PARCEL NO.	P.I.N.	OWNER	TOTAL HOLDING AREA		AREA OF EASEMENT		EASEMENT PURPOSE	AREA TAKEN		REMAINDER		ACQUIRED BY
			SQ. FT	ACRES	SQ. FT	ACRES		SQ. FT	ACRES	SQ. FT	ACRES	
1GS0010TE	14-33-401-010	RUGBY, LLC	5,005±	1031±	0.024±	CONSTRUCTION	N/A±	N/A±	N/A±	N/A±		
1GS0017TE	14-33-327-018	MEANS SERVICES, INC.	0.482±	881±	0.020±	CONSTRUCTION	N/A±	N/A±	N/A±	N/A±		
1GS0018	14-33-327-019	BROWN, JOHN	0.460±	N/A±	N/A±	CONSTRUCTION	150±	0.003±		0.456±		
1GS0019	14-33-379-011	HOME STATE BANK AS TRUSTEE TRUST NO. 5540					389±	0.009±		3.571±		
1GS0019TE			3,580±	9490±	0.218±	CONSTRUCTION						

REVISION	
DATE	DESCRIPTION

CITY OF CRYSTAL LAKE
 PLAT OF HIGHWAYS
 ROUTE ERICK STREET (FAU 0125)
 SECTION 96-00091-00-FP
 McHENRY COUNTY
 JOB# 20708.028 PROJ# R-91-014-08
 SEC 33, T 44N, R 8E OF 3RD P.M.
 STA 16+67.29 TO STA 26+52.25
 DRAWN RJP/CD CHECKED CD/SL
 SCALE: 1" = 40' SHEET NO. 40 OF 73

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
X	97-00091-00-FP	McHENRY	73	44
STA. 19+91.02		TO STA. 24+87.21		
SECTION 33, T44N, R8E OF THE 3RD P.M.				

CONTRACT #63123



LEGEND

☐ CATCH BASIN	● SURVEY MONUMENT (FOUND)
☐ SPLICE BOX	○ MANHOLE
☐ JUNCTION BOX	⊕ POWER POLE
☐ MONITORING WELL	⊕ MAILBOX
BUSH/HEDGE	⊕ SIGN
	⊕ FIRE HYDRANT
	○ WATER VALVE
	⊕ HAND POLE
	○ TREE (CONIFEROUS)
	○ TREE (DECIDUOUS)
---	--- SECTION LINE
---	--- TEMPORARY CONSTRUCTION EASEMENT
---	--- RIGHT-OF-WAY LINE

STATE OF ILLINOIS)
COUNTY OF LAKE)SS

WE, PATRICK ENGINEERING INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM, NUMBER 184-000409, DO HEREBY DECLARE THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED IS A TRUE AND CORRECT REPRESENTATION OF SAID SURVEY.

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

THE LEGAL DESCRIPTION IS ATTACHED HERETO AND MADE A PART HEREOF AS EXHIBIT A.

ALL DIMENSIONS ARE IN FEET AND DECIMAL PARTS THEREOF. NO DISTANCE OR ANGLES SHOWN HEREON MAY BE ASSUMED BY SCALING.

GIVEN UNDER MY HAND AND SEAL THIS 4TH DAY OF APRIL, 2008 IN LISLE, ILLINOIS.

SCOTT A. LUTZ, I.P.L.S. NO. 3511
LICENSE EXPIRES NOVEMBER, 30, 2008



BASIS OF BEARINGS IS ILLINOIS STATE PLANE (EAST ZONE NAD 83, 1986 ADJUSTMENT)
ALL DIMENSIONS SHOWN HEREON ARE IN (NAD 83) GRID



PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, ILLINOIS
DESIGN FIRM NO. 184-000409

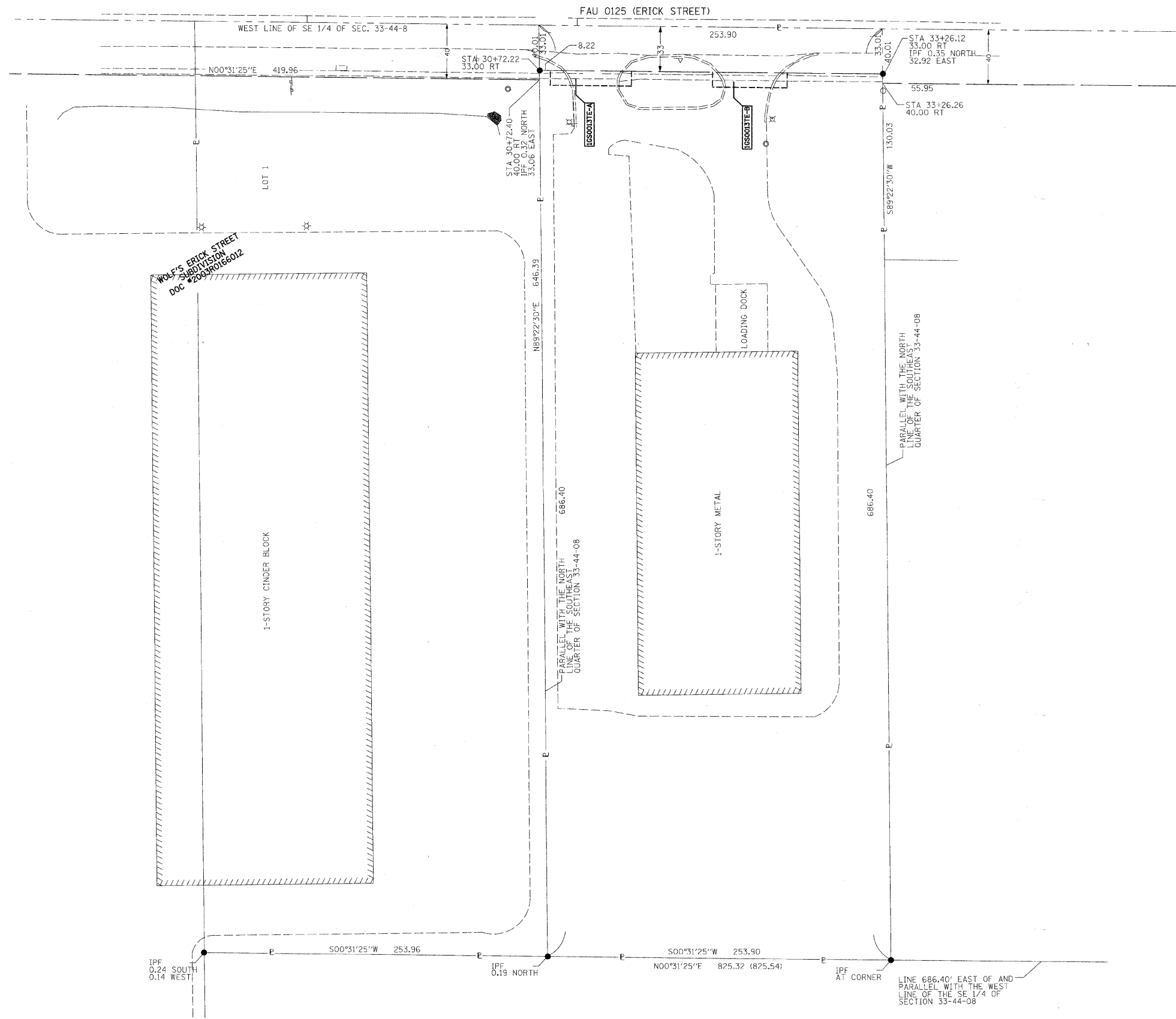
REVISION	DATE	DESCRIPTION

CITY OF CRYSTAL LAKE
PLAT OF HIGHWAYS
ROUTE ERICK STREET (FAU 0125)
SECTION 96-00091-00-FP
McHENRY COUNTY
JOB# 20708.028 PROJ# R-91-014-08
SEC 33, T 44N, R 8E OF 3RD P.M.
STA 19+91.02 TO STA 24+87.21
DRAWN RJP/CD CHECKED CD/SL
SCALE: 1" = 80' SHEET NO. 44 OF 73

N00°31'25"E 825.32 (825.54)

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
X	97-00091-00-FP	McHENRY	73	45
STA. 30+72.22 TO STA. 33+26.12				
SECTION 33, T44N, R8E OF THE 3RD P.M.				

CONTRACT #63123



LEGEND

	● SURVEY MONUMENT (FOUND)
	○ MANHOLE
	⊕ POWER POLE
	⊞ MAILBOX
	⊞ SIGN
	⊞ FIRE HYDRANT
	○ WATER VALVE
	⊞ HAND HOLE
	○ TREE (CONIFEROUS)
	○ TREE (DECIDUOUS)
---	- - - SECTION LINE
---	--- PERMANENT EASEMENT
---	--- TEMPORARY CONSTRUCTION EASEMENT
---	--- RIGHT-OF-WAY LINE

STATE OF ILLINOIS)
 COUNTY OF LAKE)SS

WE, PATRICK ENGINEERING INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM, NUMBER 184-000409, DO HEREBY DECLARE THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED IS A TRUE AND CORRECT REPRESENTATION OF SAID SURVEY.

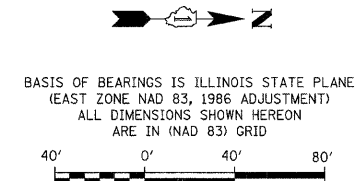
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

THE LEGAL DESCRIPTION IS ATTACHED HERETO AND MADE A PART HEREOF AS EXHIBIT A.

ALL DIMENSIONS ARE IN FEET AND DECIMAL PARTS THEREOF. NO DISTANCE OR ANGLES SHOWN HEREON MAY BE ASSUMED BY SCALING.

GIVEN UNDER MY HAND AND SEAL THIS 30TH DAY OF JUNE, 2008 IN LISLE, ILLINOIS.

SCOTT A. LUTZ, I.P.L.S. NO. 3511
 LICENSE EXPIRES NOVEMBER, 30, 2008

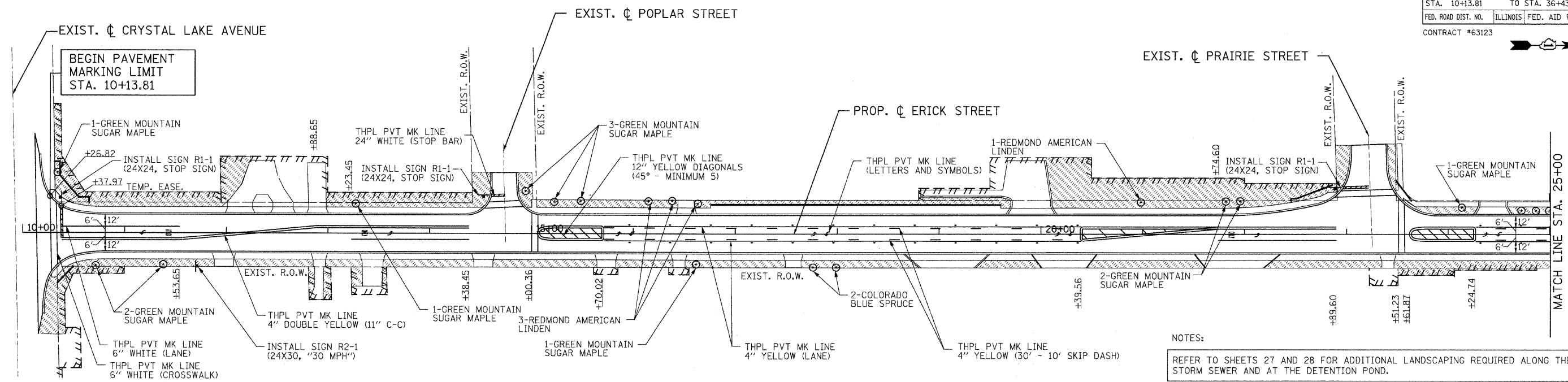


PATRICK ENGINEERING INC.
 4970 VARSITY DRIVE
 LISLE, ILLINOIS
 DESIGN FIRM NO. 184-000409

REVISION	DATE	DESCRIPTION

CITY OF CRYSTAL LAKE
 PLAT OF HIGHWAYS
 ROUTE ERICK STREET (FAU 0125)
 SECTION 96-00091-00-FP
 McHENRY COUNTY
 JOB# 20708.028 PROJ# R-91-014-08
 SEC 33, T 44N, R 8E OF 3RD P.M.
 STA 30+72.22 TO STA 33+26.12
 DRAWN RJP/CD CHECKED CD/SL
 SCALE: 1" = 40' SHEET NO. 45 OF 73

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	47
STA. 10+13.81		TO STA. 36+43.85		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT #63123				



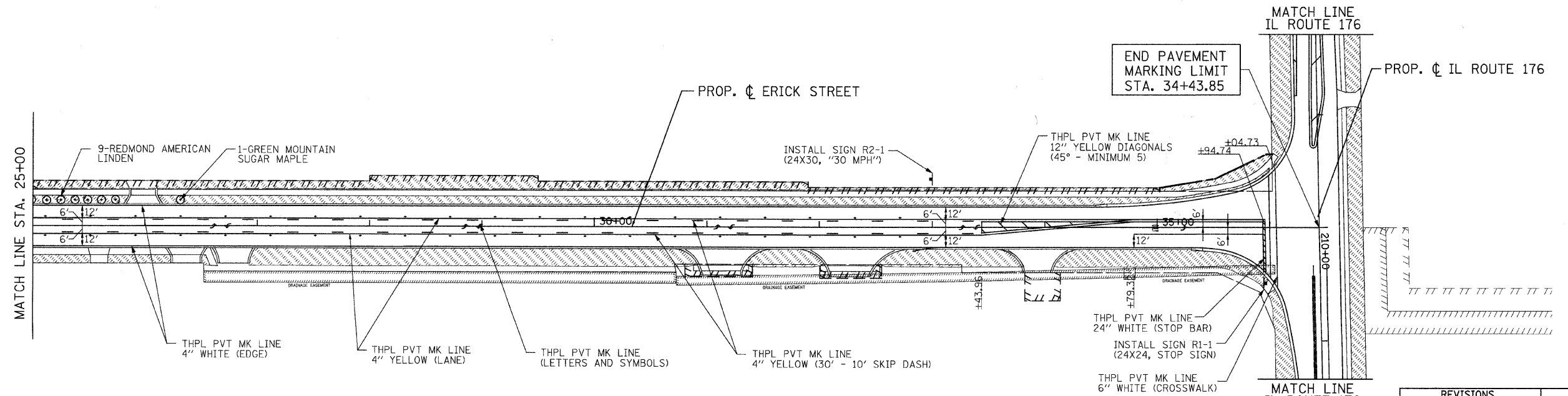
NOTES:

REFER TO SHEETS 27 AND 28 FOR ADDITIONAL LANDSCAPING REQUIRED ALONG THE OFF-SITE STORM SEWER AND AT THE DETENTION POND.

ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC (OF THE EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" DETAIL. (TC-13)

ALL RAISED REFLECTIVE PAVEMENT MARKINGS SHALL BE PLACE IN ACCORDANCE WITH THE DISTRICT ON "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKER DETAIL", (TC-11)

CALL DEBBIE HANLON AT (847) 438-2300 TWO WEEKS PRIOR TO INSTALLING FINAL PAVEMENT MARKINGS ON IL ROUTE 176.



REVISIONS	
NAME	DATE

CITY OF CRYSTAL LAKE
ERICK STREET (FAU 0125)

PAVEMENT MARKING, SIGNING, & LANDSCAPING PLAN
STA. 10+13.81 TO STA. 36+43.85

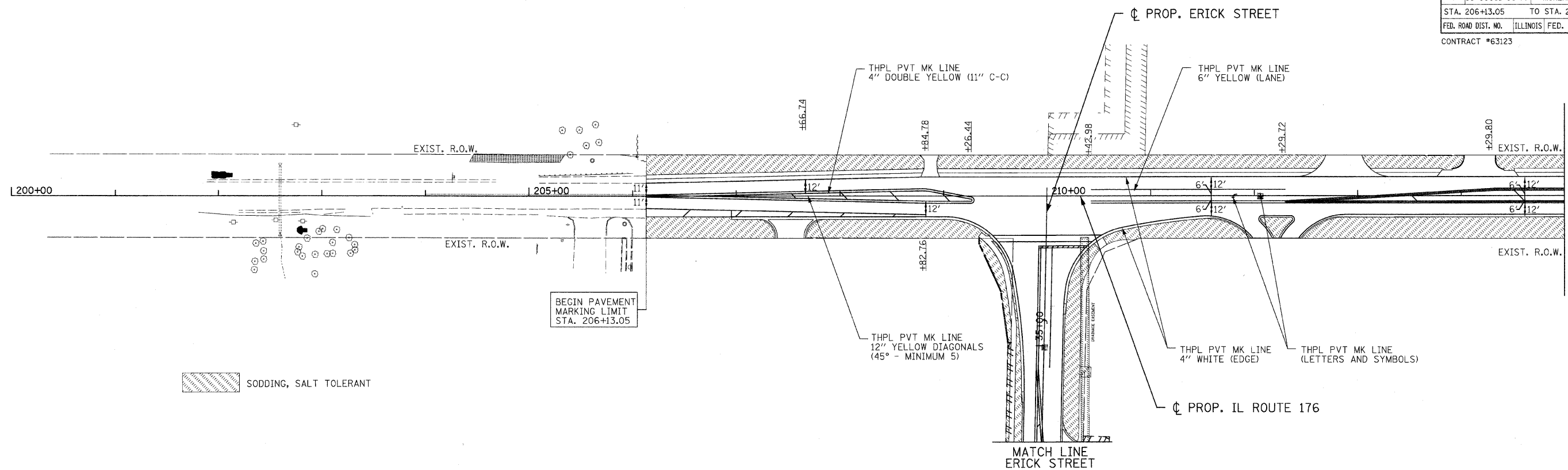
SCALE: 1" = 50'

DATE: DECEMBER 15, 2008

DRAWN BY: MJV
CHECKED BY: DES

PATRICK
ENGINEERING INC.
LISLE, ILLINOIS

F.A. RTEL.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	48
STA. 206+13.05		TO STA. 220+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT #63123				



SODDING, SALT TOLERANT

BEGIN PAVEMENT MARKING LIMIT STA. 206+13.05

END PAVEMENT MARKING LIMIT STA. 220+50.00

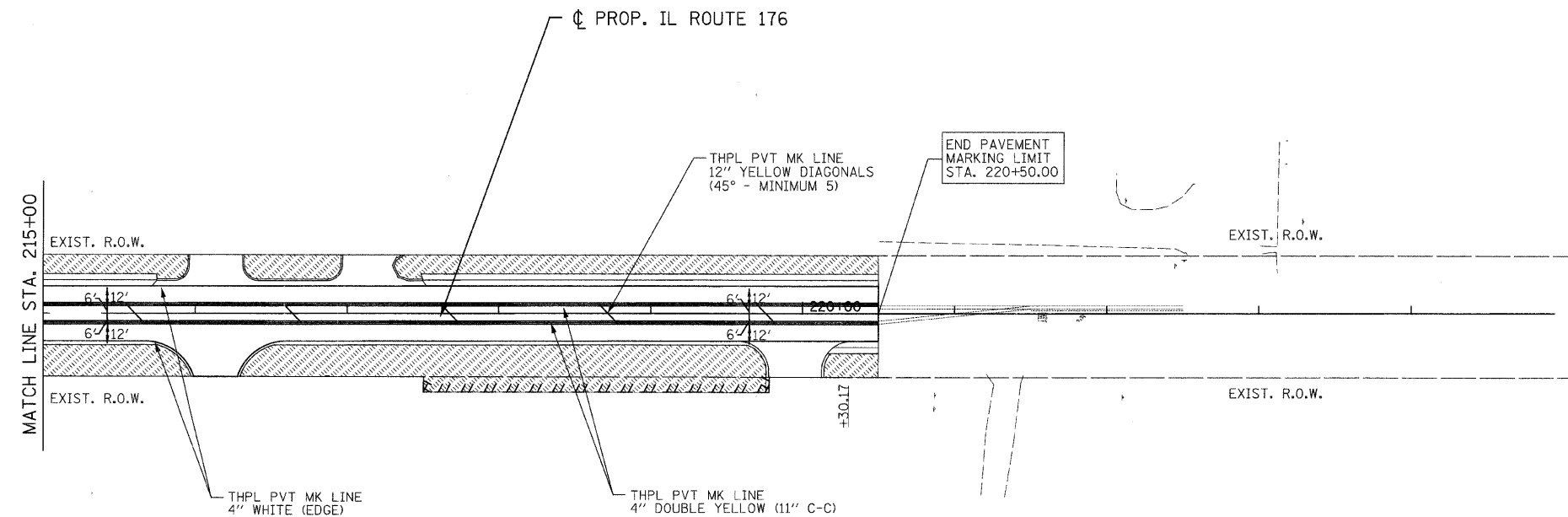
NOTES:

REFER TO SHEETS 30 AND 31 FOR ADDITIONAL LANDSCAPING REQUIRED ALONG THE OFF-SITE STORM SEWER AND AT THE DETENTION POND.

ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC (OF THE EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" DETAIL. (TC-13)

ALL RAISED REFLECTIVE PAVEMENT MARKINGS SHALL BE PLACE IN ACCORDANCE WITH THE DISTRICT ON "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKER DETAIL". (TC-11)

CALL DEBBIE HANLON AT (847) 438-2300 TWO WEEKS PRIOR TO INSTALLING FINAL PAVEMENT MARKINGS ON IL ROUTE 176.



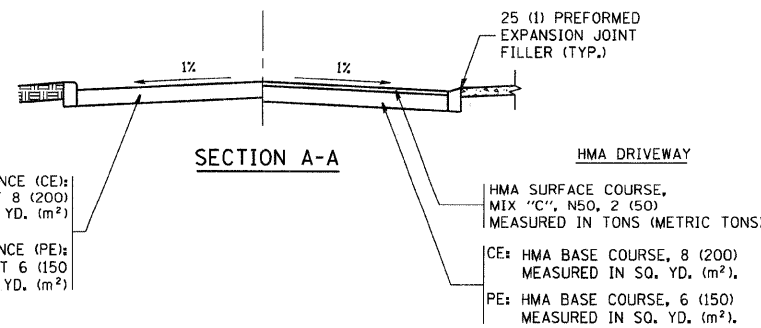
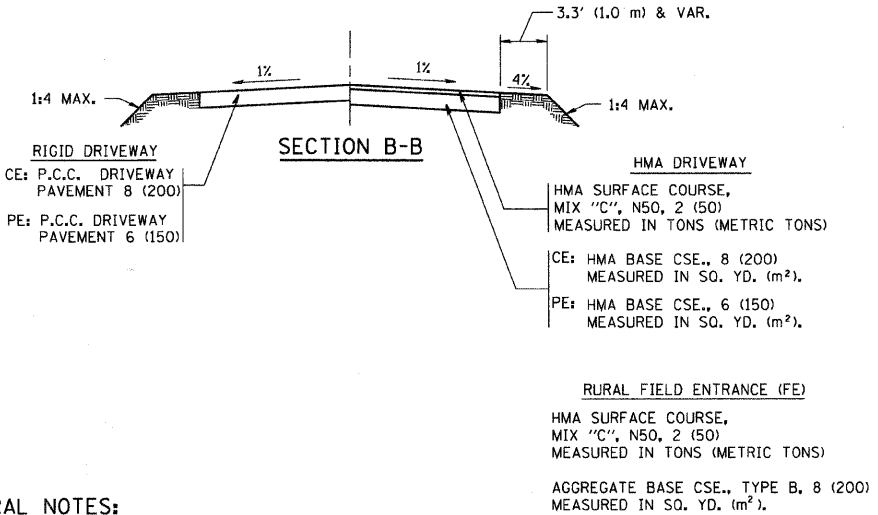
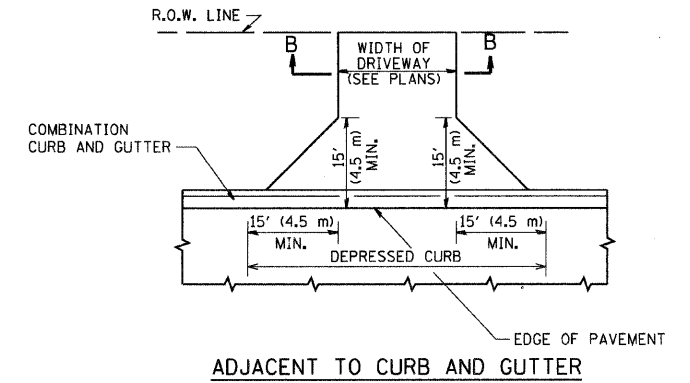
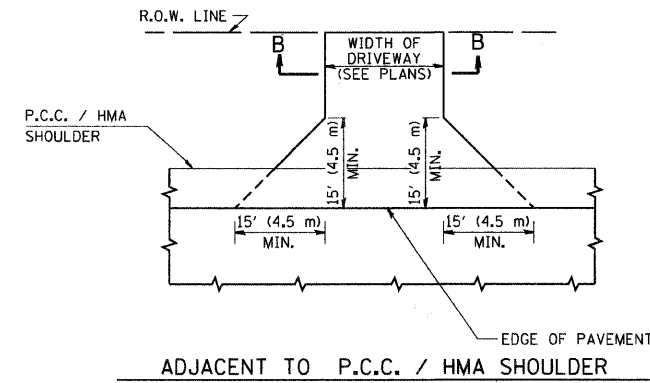
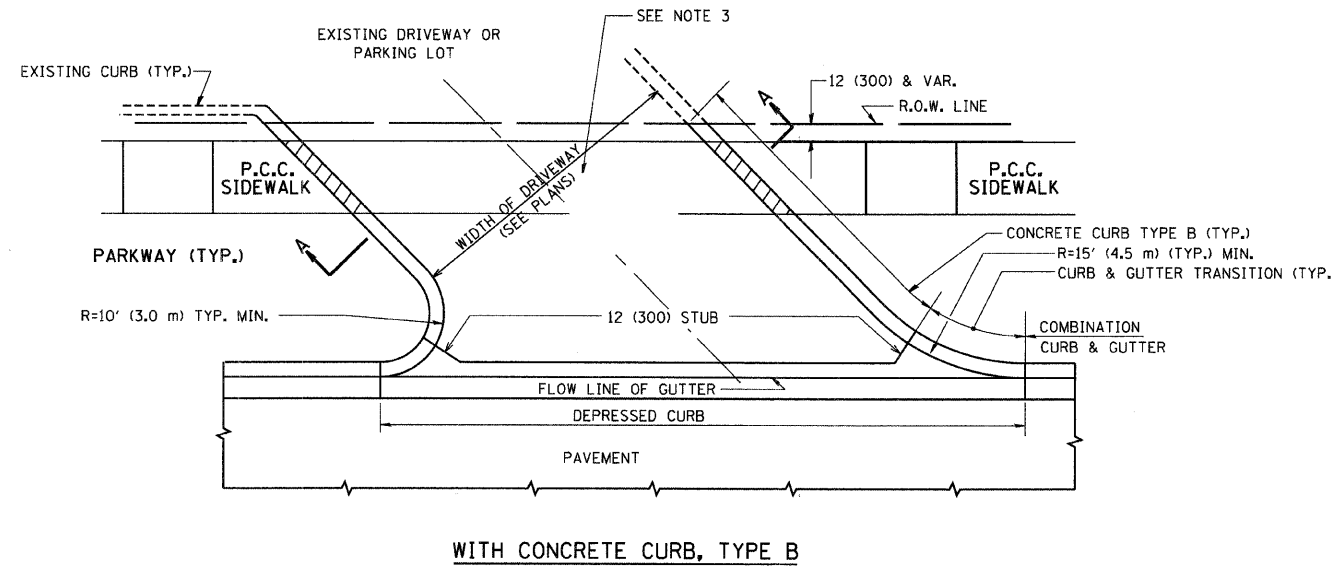
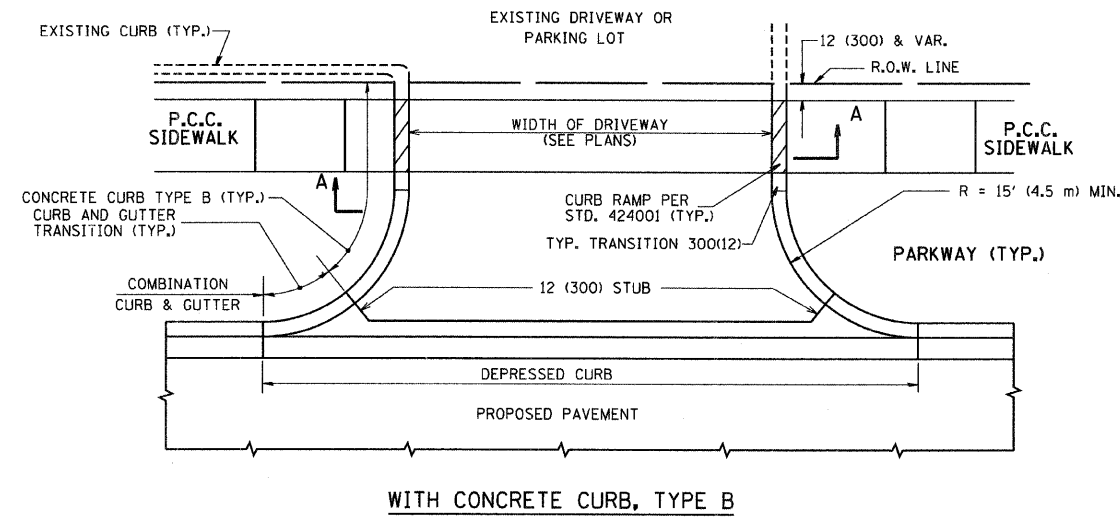
REVISIONS	
NAME	DATE

CITY OF CRYSTAL LAKE
ERICK STREET (FAU 0125)
PAVEMENT MARKING, SIGNING, & LANDSCAPING PLAN
STA. 206+13.05 TO STA. 220+50.00

SCALE: 1" = 50'
DATE: DECEMBER 15, 2008

DRAWN BY: MJV
CHECKED BY: DES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	49
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



GENERAL NOTES:

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

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

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

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

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

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED

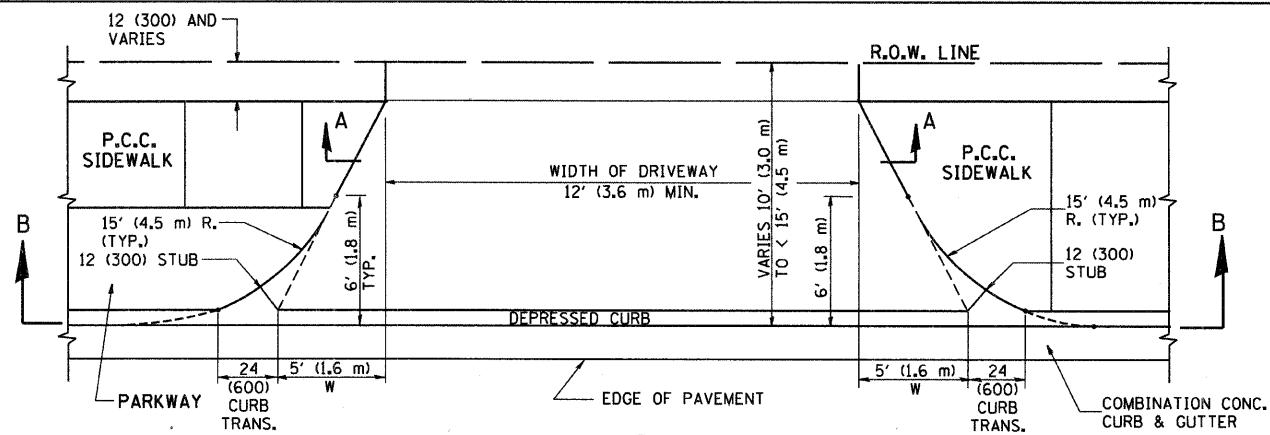
REVISIONS	
NAME	DATE
R. SHAH	11-04-95
J. POLLASTRINI	08-12-96
J. POLLASTRINI	12-14-96
A. ABBAS	03-21-97
T. HOLTZ	04-08-97
M. GOMEZ	04-06-01
P. LoFLEUR	04-15-03
R. BORO	01-01-07
R. BORO	06-11-08

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRIVEWAY DETAILS
 DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER \geq 15' (4.5 m)

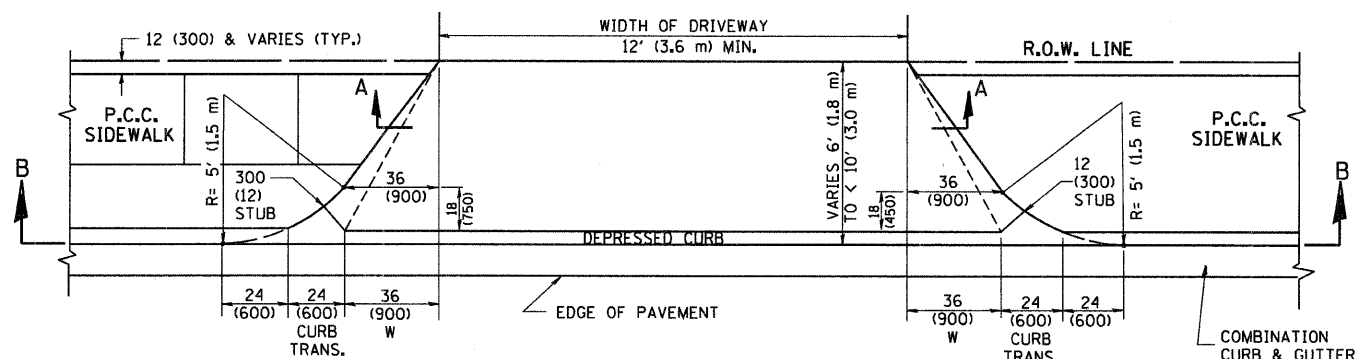
SCALE: VERT. NONE
 HORIZ.

DRAWN BY
 CHECKED BY

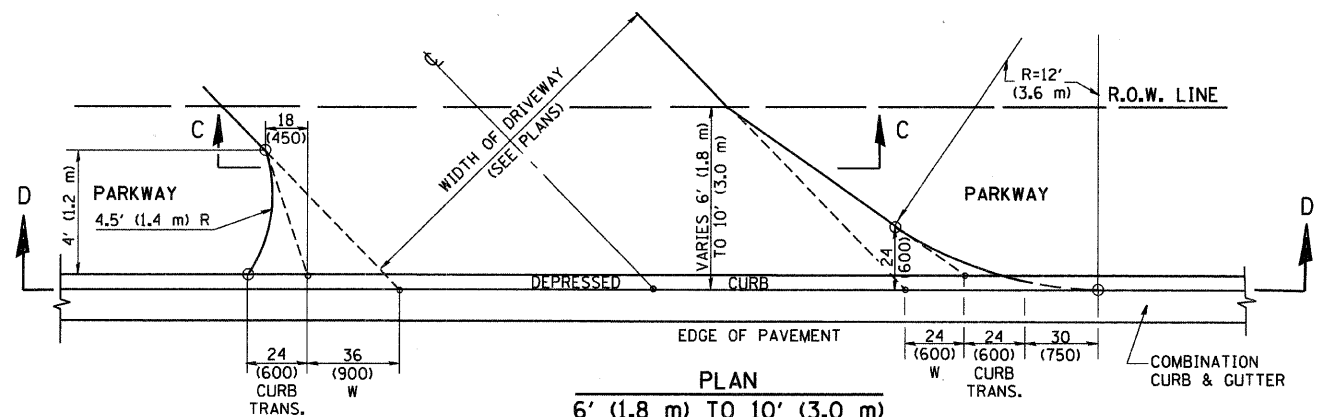
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	49A
STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		



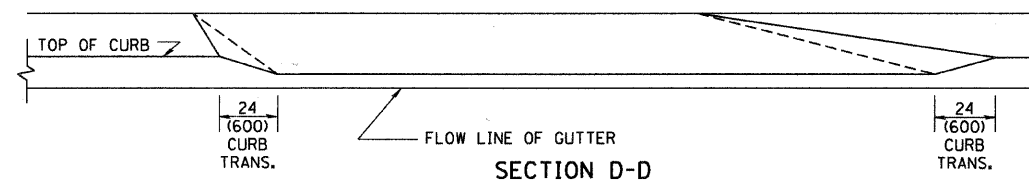
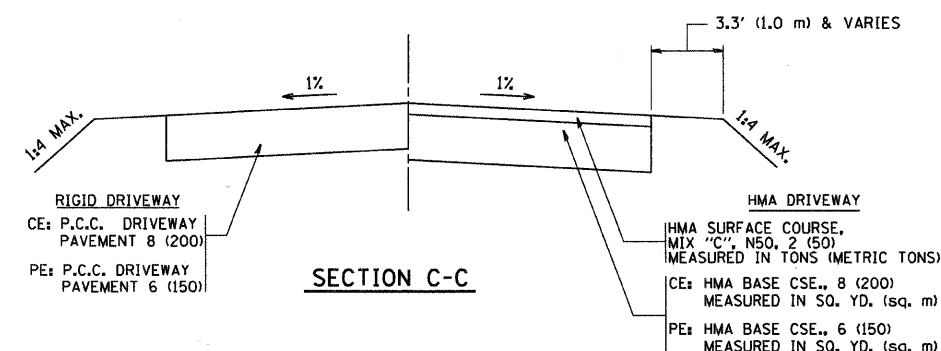
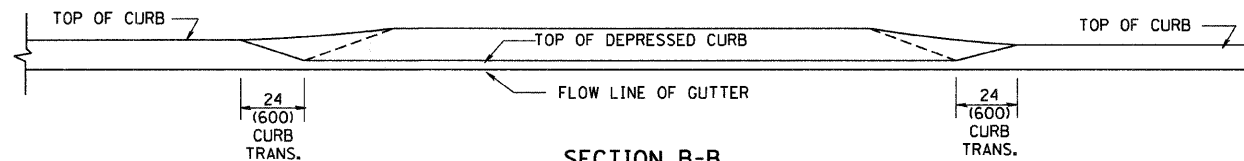
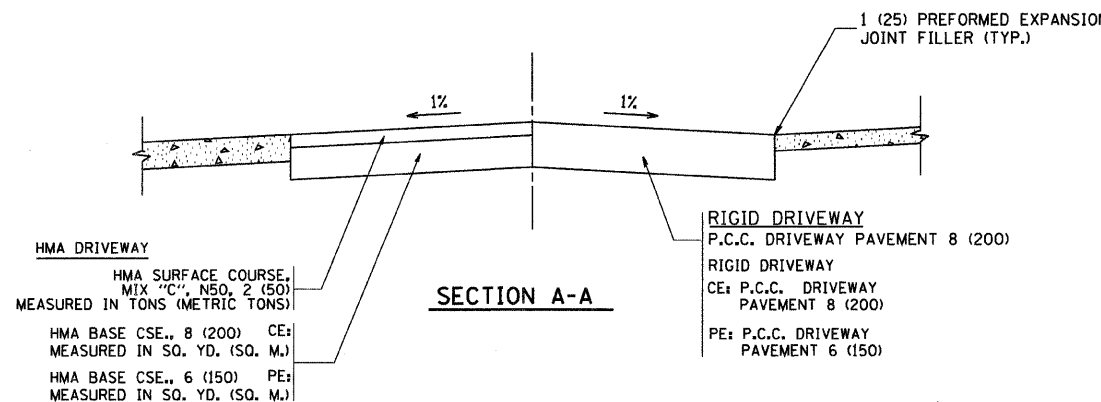
PLAN
10' (3.0 m) TO < 15' (4.5 m)



PLAN
6' (1.8 m) TO < 10' (3.0 m)



PLAN
6' (1.8 m) TO 10' (3.0 m)



GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

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

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

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

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

REVISIONS	
NAME	DATE
R. SHAH	11/06/95
J. POLLASTRINI	08/12/96
J. POLLASTRINI	12/14/96
A. ABBAS	03/21/97
T. HOLTZ	04/08/97
M. GOMEZ	04/06/01
P. LaFLEUR	04/15/03
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

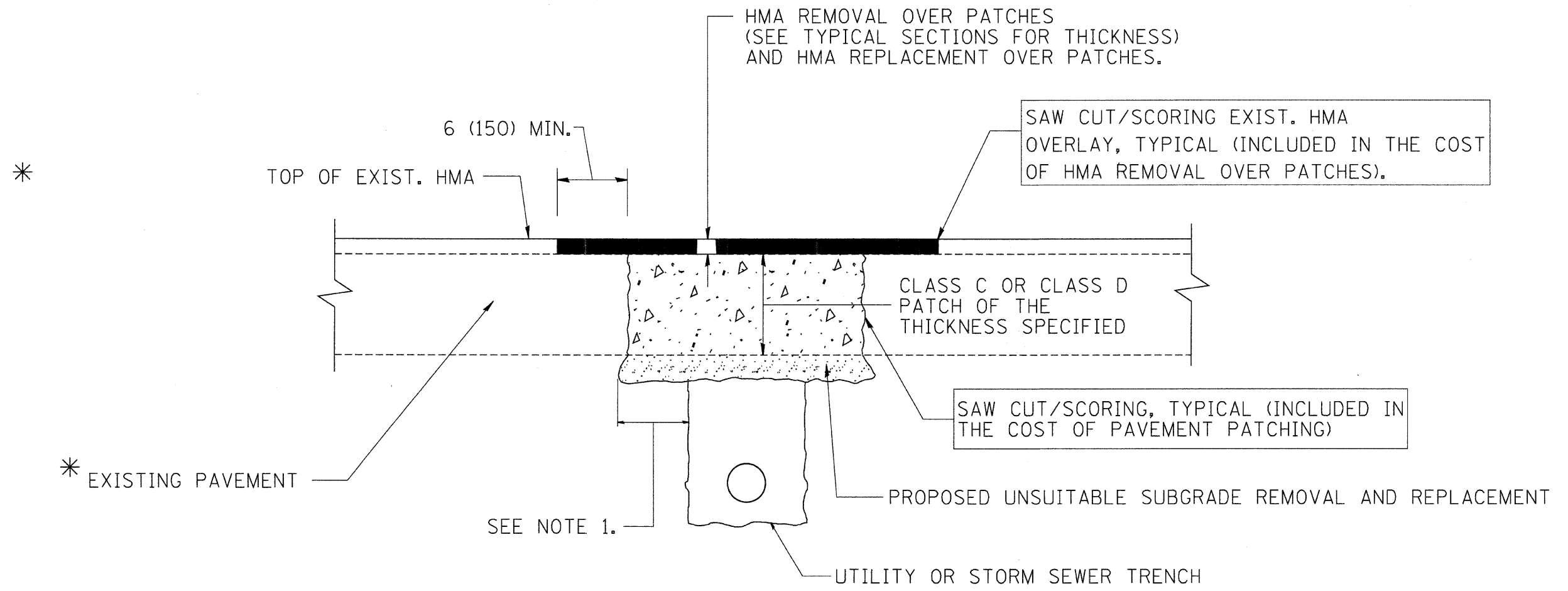
DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)

SCALE: VERT. NONE
HORIZ.

DRAWN BY
CHECKED BY

PLOT DATE = 3/5/2007
PLOT SCALE = 1/8"=1'-0"
USER NAME = bbarndt

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	50
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE FULL DEPTH PATCHES
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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

REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/14/95
R. SHAH	03/23/95
R. SHAH	04/24/95
A. HOUSEH	03/15/96
A. ABBAS	03/21/97
A. ABBAS	01/20/98
ART ABBAS	04/27/98
R. BORO	01/01/07
R. BORO	09/04/07

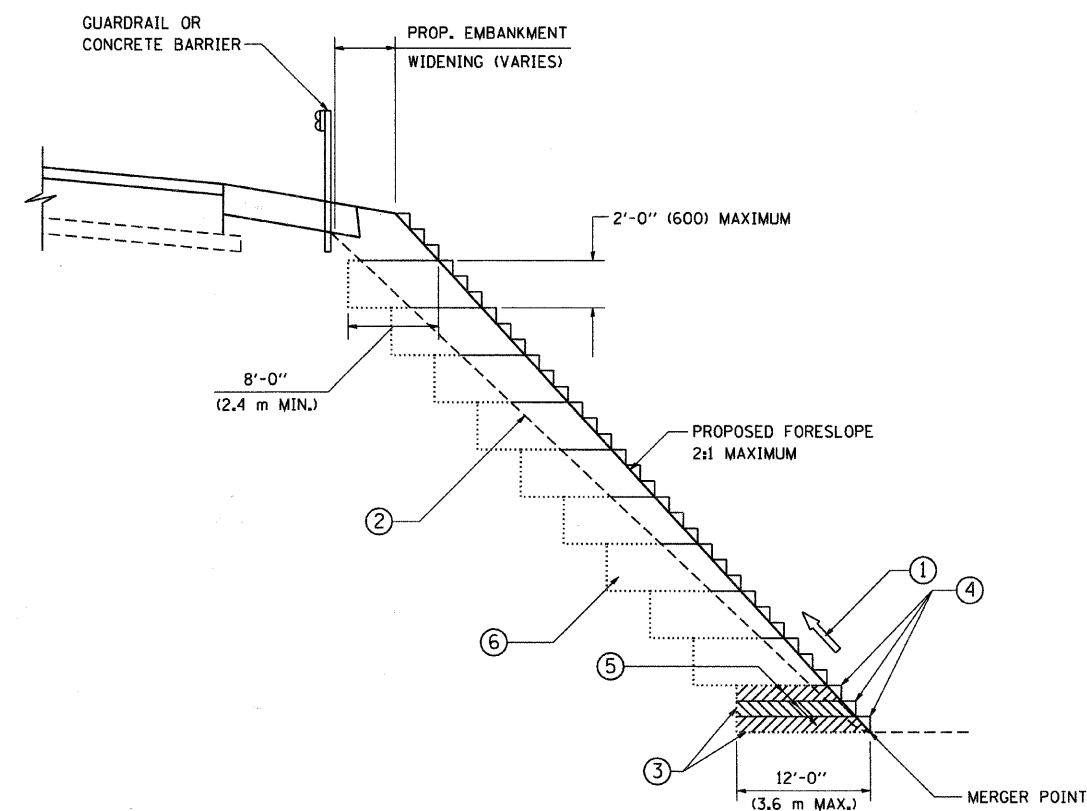
ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

SCALE: VERT. NONE
HORIZ.

DRAWN BY
CHECKED BY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	51
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



TYPICAL BENCHING DETAIL
FOR EMBANKMENT

NOTES:

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

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

REVISIONS	
NAME	DATE
	06/16/04

ILLINOIS DEPARTMENT OF TRANSPORTATION

**BENCHING DETAIL
FOR EMBANKMENT
WIDENING**

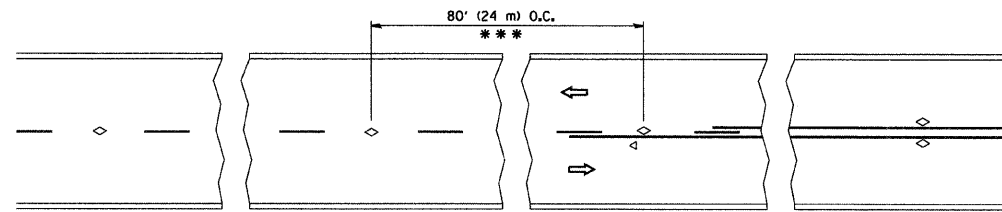
SCALE: VERT. NONE
HORIZ.

DRAWN BY: CADD

CHECKED BY: S.E.B.

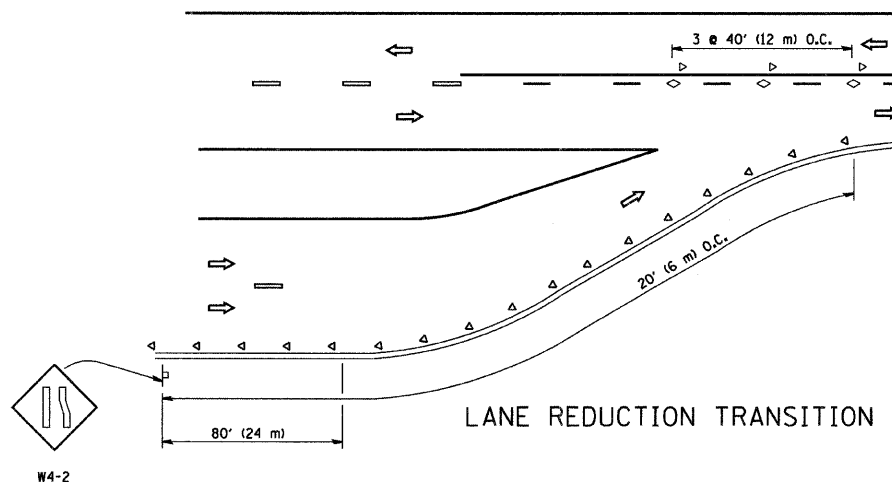
BD-51

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	52
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

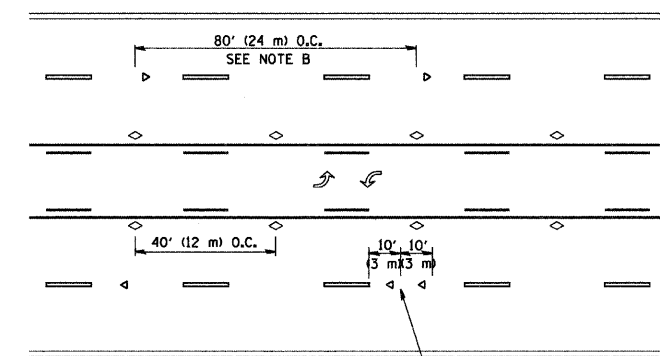


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

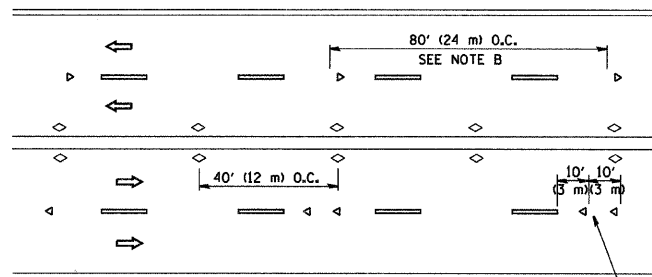
TWO-LANE/TWO-WAY



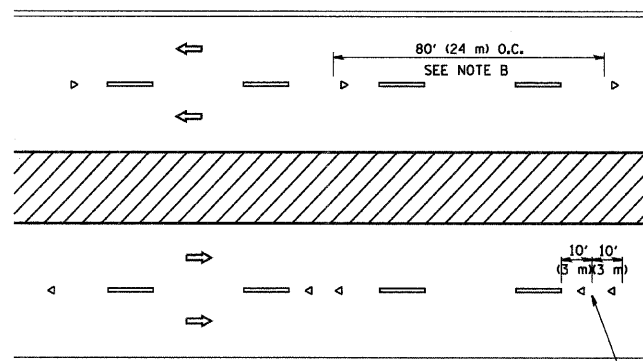
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

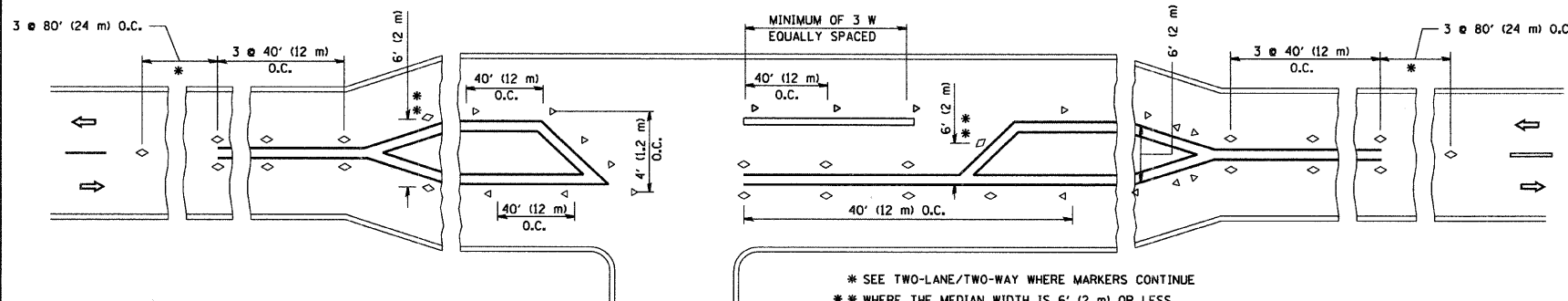
- YELLOW STRIPE
- WHITE STRIPE
- ◁ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◊ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (20 km/h) LOWER THAN POSTED SPEEDS.
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

DESIGN NOTES

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



LEFT TURN

* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

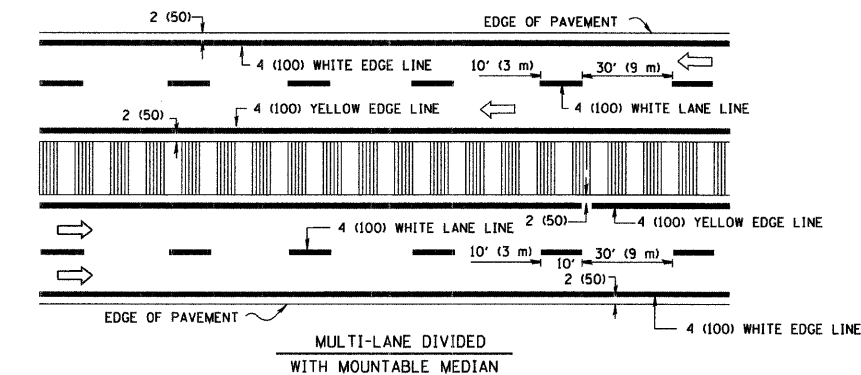
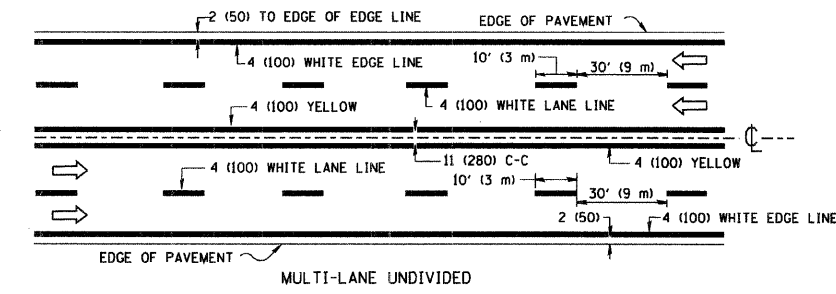
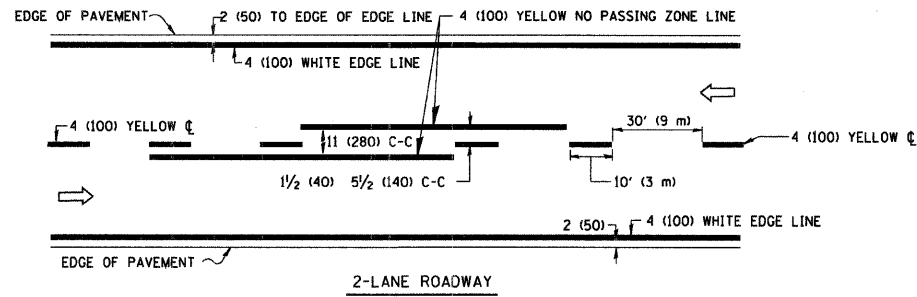
REVISIONS	
NAME	DATE
T. RAMMACHER	08-19-94
T. RAMMACHER	03-12-99
T. RAMMACHER	01-06-00

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT
 MARKERS (SNOW-PLOW RESISTANT)

SCALE: NONE

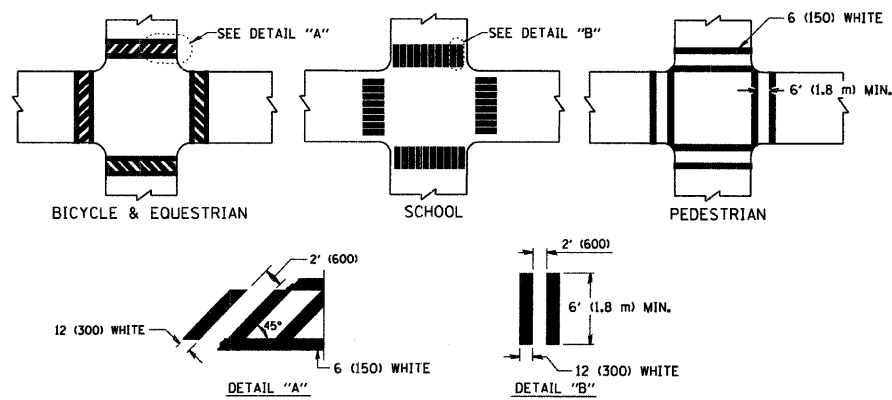
DRAWN BY CADD
 CHECKED BY
 TC-11

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	53
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

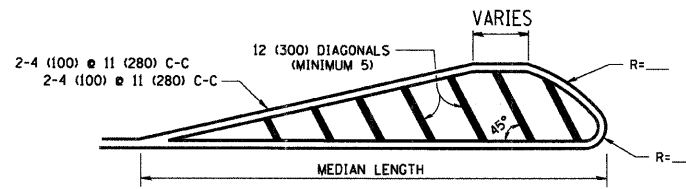
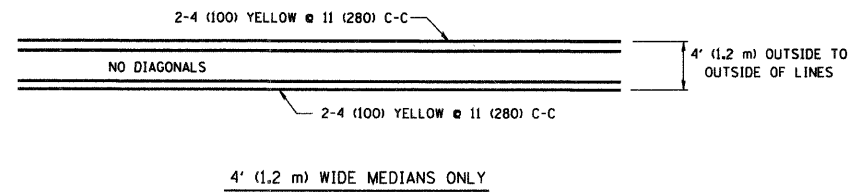


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

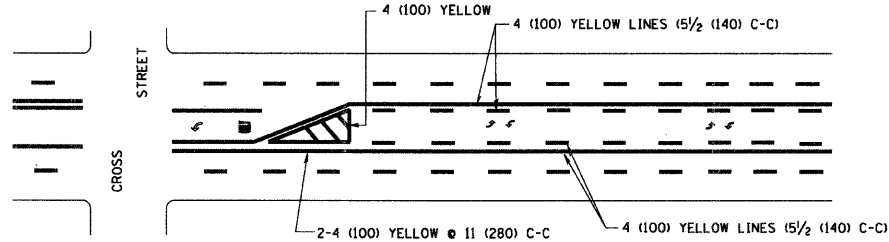


TYPICAL CROSSWALK MARKING

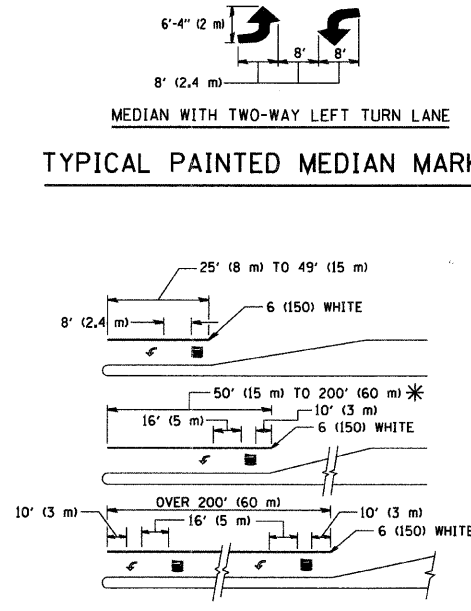


FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.
 DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
 75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE



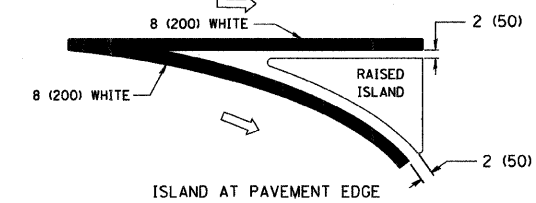
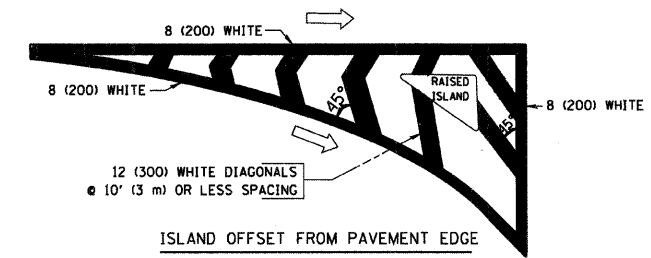
TYPICAL PAINTED MEDIAN MARKING



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

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15' (4.5 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

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

REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-96
T. RAMMACHER	01-06-00

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

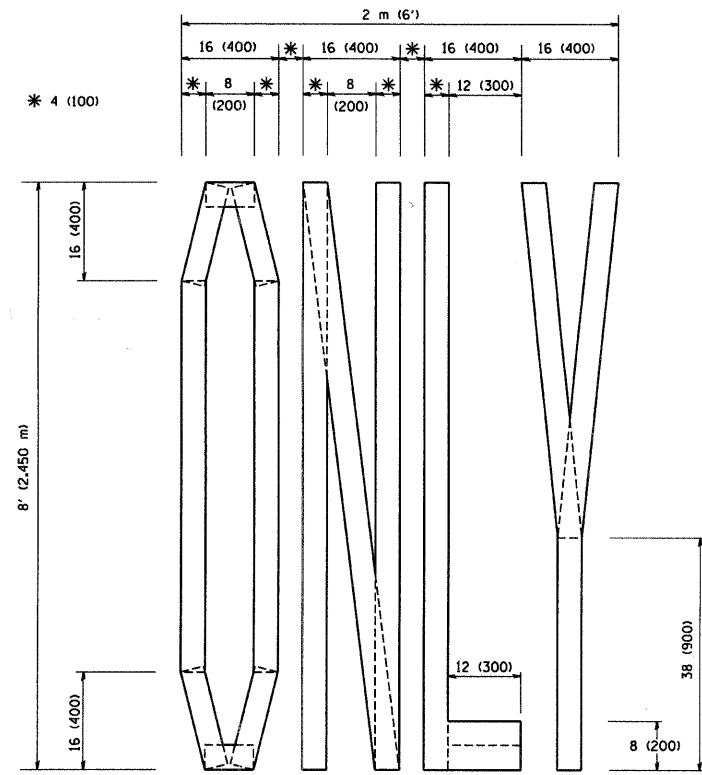
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DRAWN BY CADD

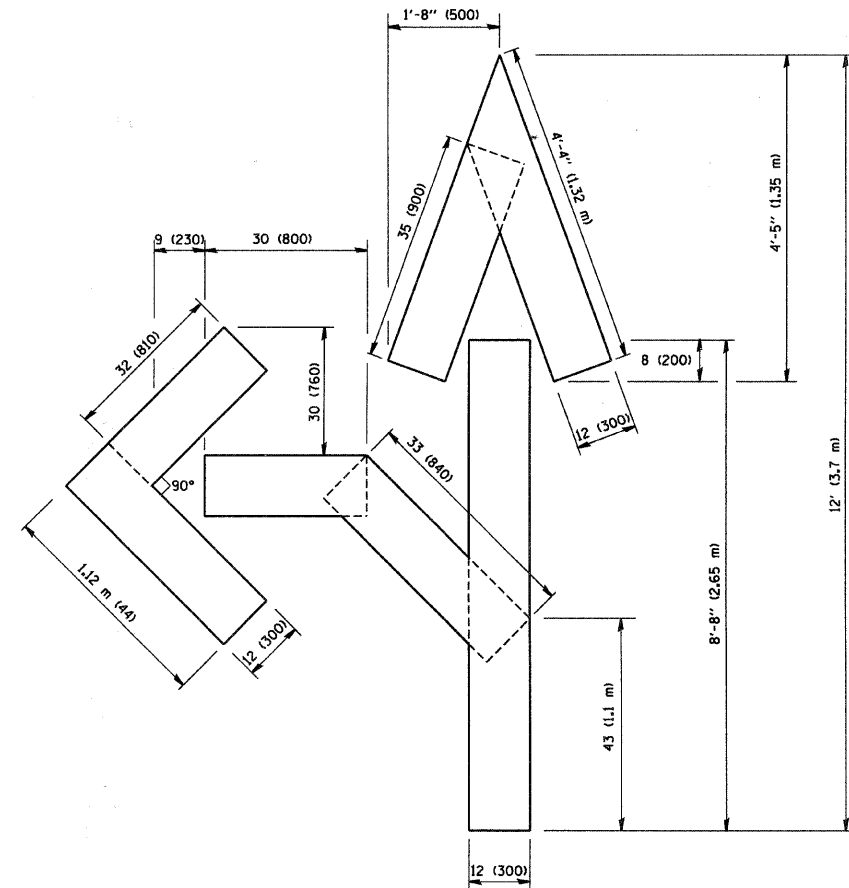
CHECKED BY

TC-13

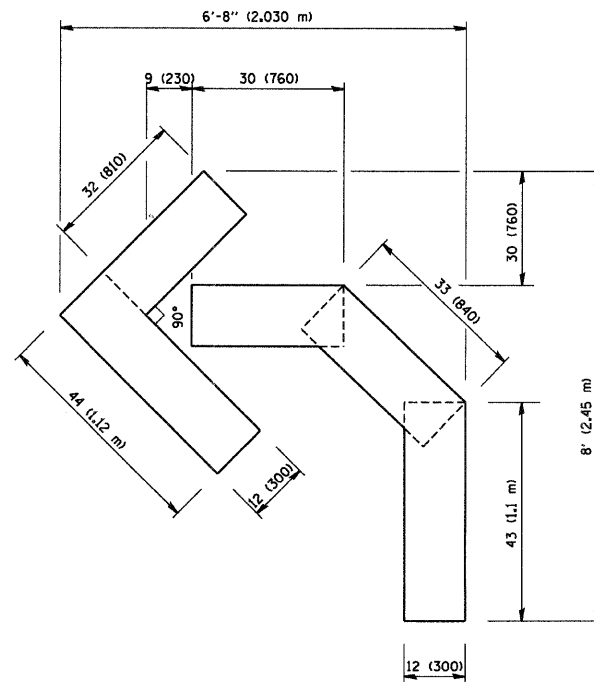
F.A.U. RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	54
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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



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



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

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

REVISIONS	
NAME	DATE
T. RAMMACHER	09/18/94
J. OBERLE	06/01/96
T. RAMMACHER	06/05/98
T. RAMMACHER	11/04/97
T. RAMMACHER	03/02/98
E. GOMEZ	08/28/00

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING
 LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

SCALE: NONE

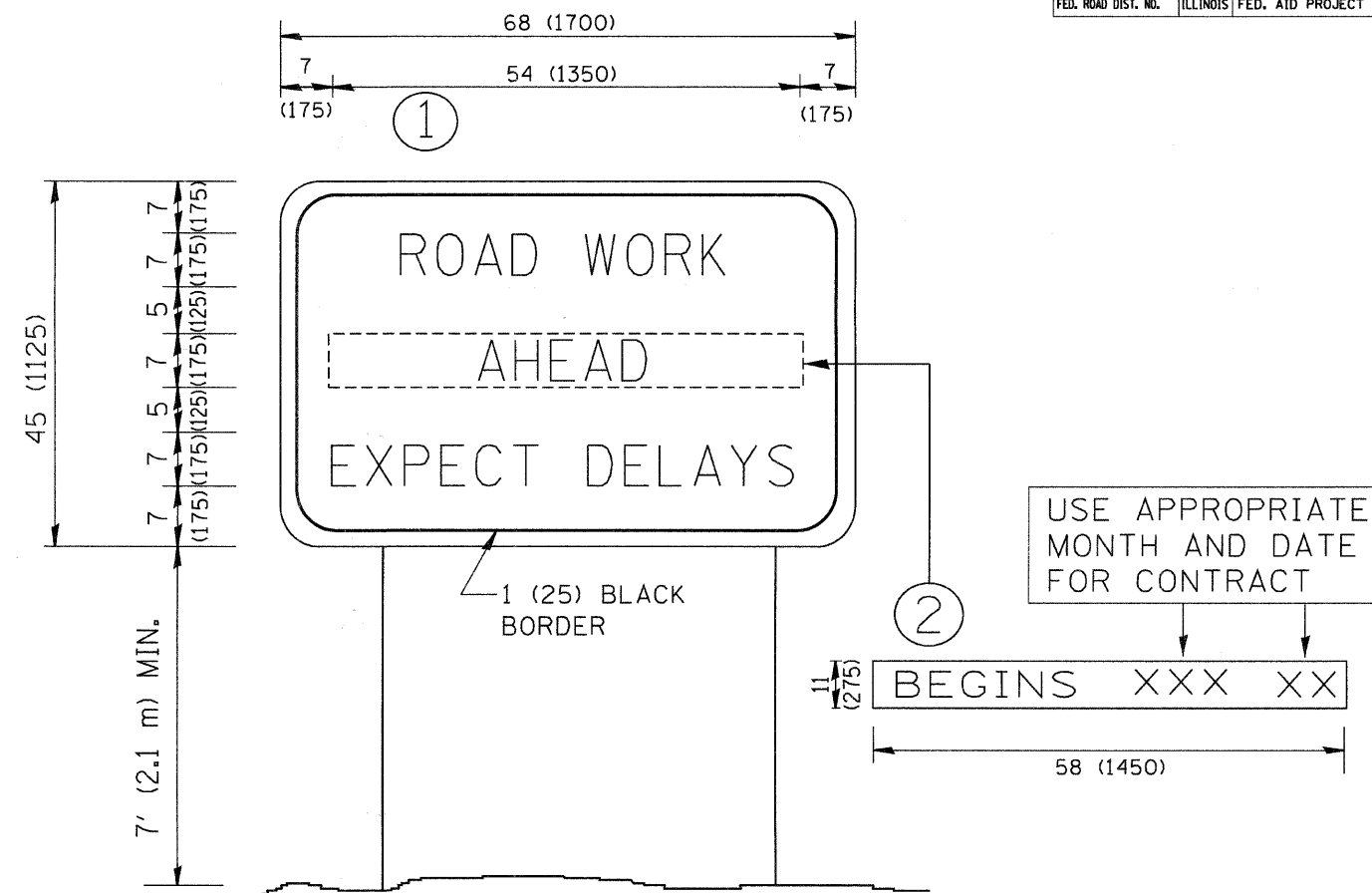
DRAWN BY CADD

CHECKED BY

TC-16

PLOT DATE = 2/7/2007
 FILE NAME = 00111111.dgn
 PLOT SCALE = 5000000 / IN
 USER NAME = board-d

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	55
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTES:

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

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

REVISIONS	
NAME	DATE
R. MIRS	9-15-97
R. MIRS	12-11-97
T. RAMMACHER	2-2-99
C. JUCIUS	1-31-07

ILLINOIS DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

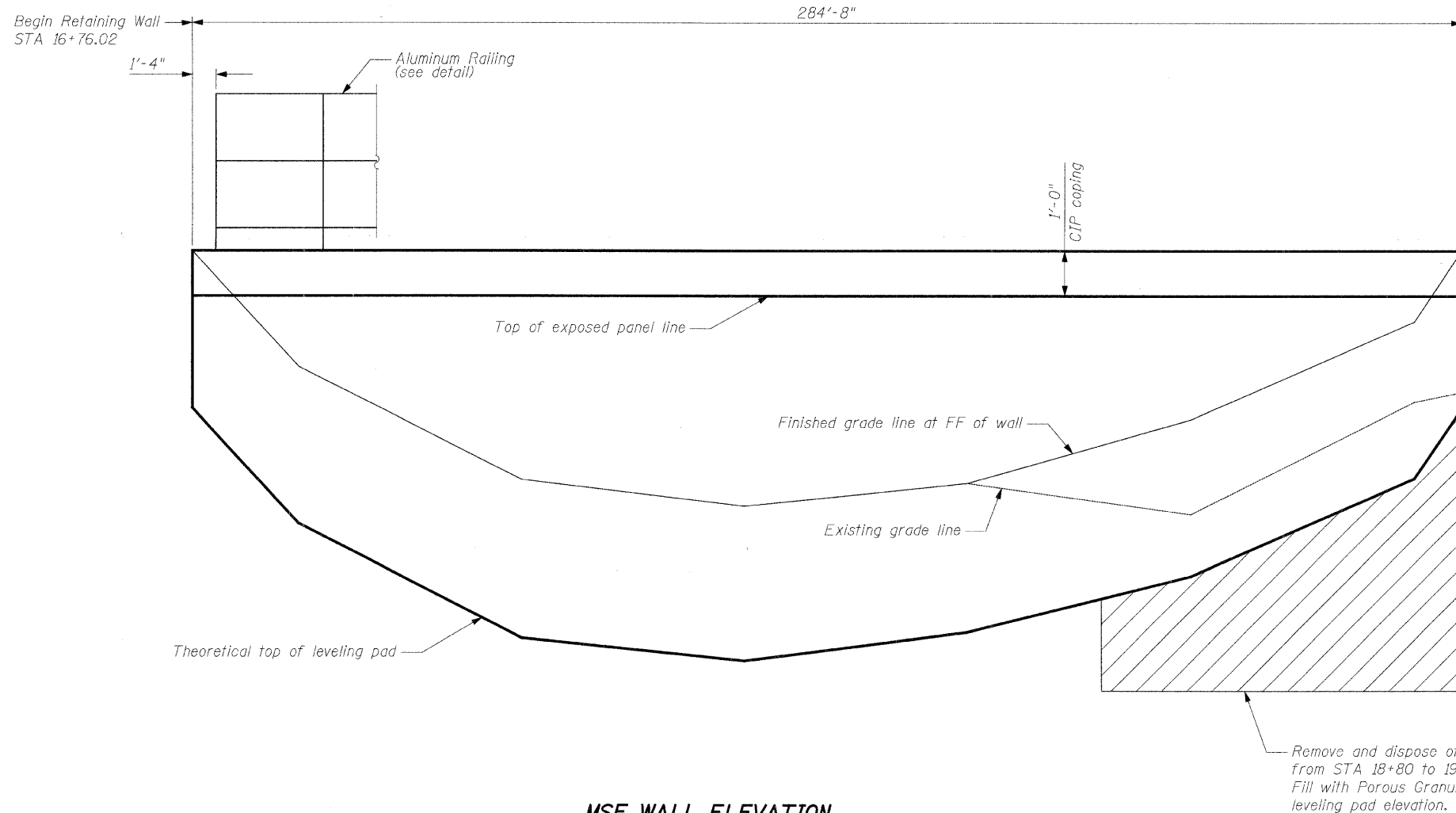
SCALE: NONE

DRAWN BY DESIGN

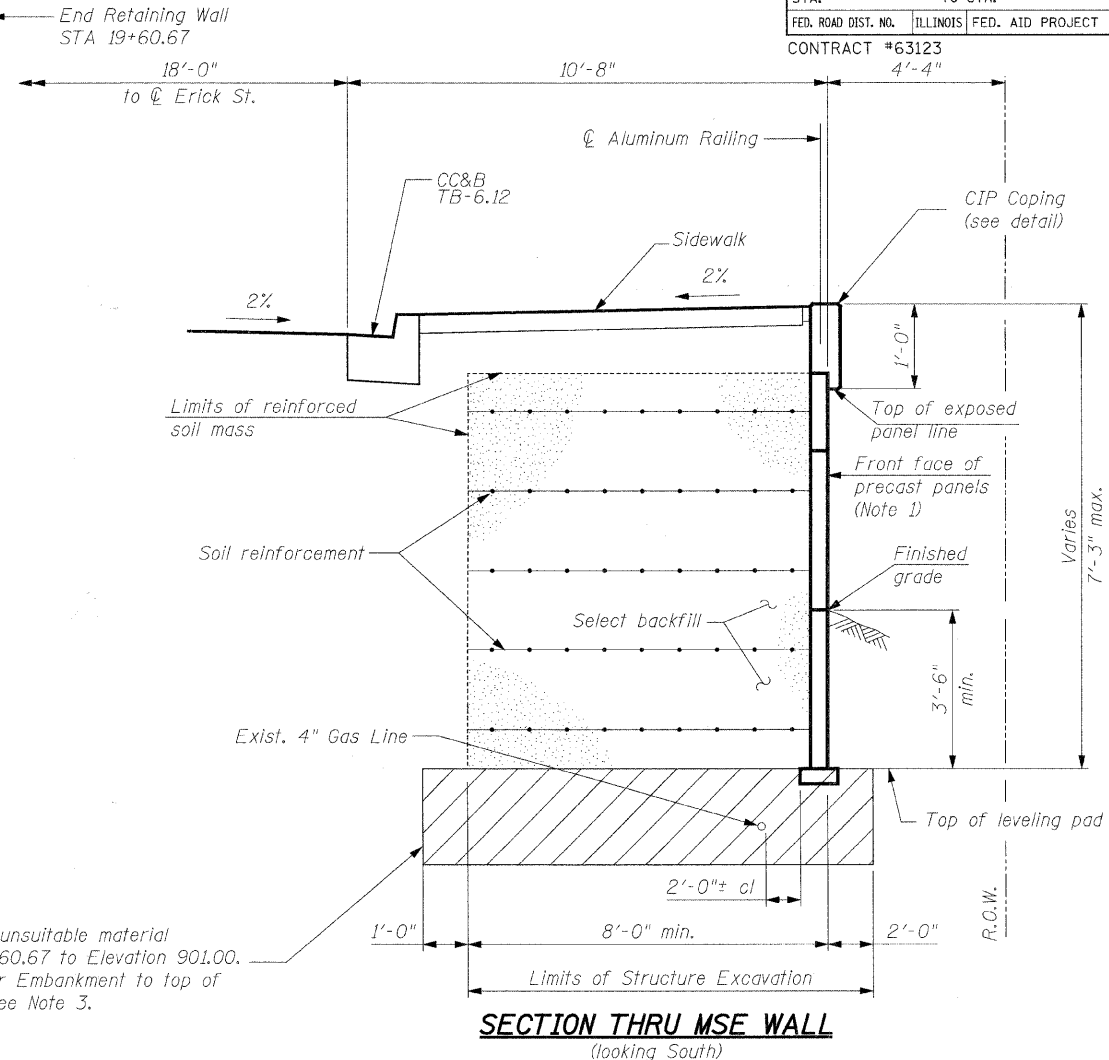
CHECKED BY

TC22

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	56
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT #63123				



MSE WALL ELEVATION



SECTION THRU MSE WALL
(looking South)

TABLE OF WALL ELEVATIONS

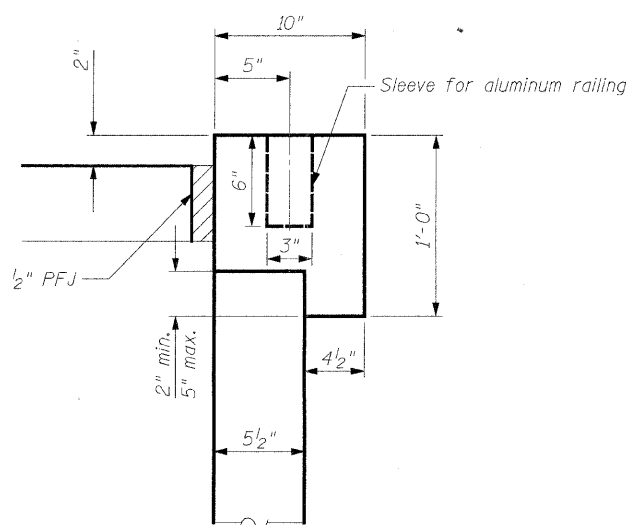
Item	STA 16+76.02	STA 17+00.00	STA 17+50.00	STA 18+00.00	STA 18+50.00	STA 19+00.00	STA 19+50.00	STA 19+60.67
Top of exposed panel line	925.26	924.48	922.53	920.13	917.40	914.63	911.86	911.29
Finished grade line at FF of wall	926.26	922.90	918.40	915.50	913.40	911.88	911.29	912.29
Theoretical top of leveling pad	922.76	919.40	914.90	912.00	909.90	908.38	907.79	908.79

BILL OF MATERIAL

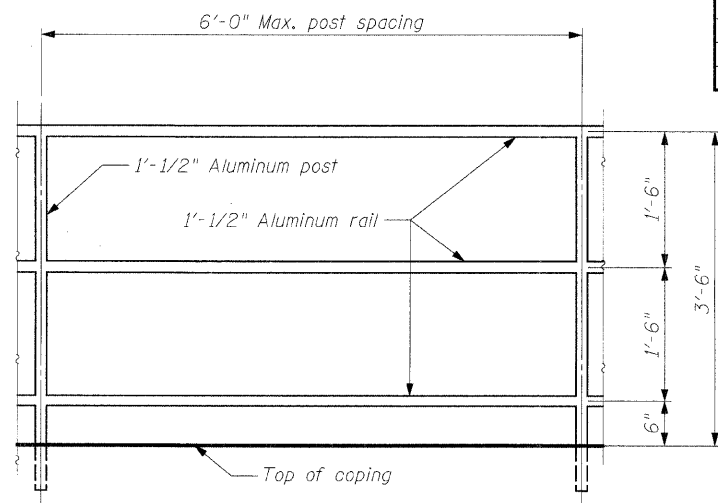
Item	Unit	Total
Removal and Disposal of Unsuitable Material	Cu. Yd.	332.6
Porous Granular Embankment	Cu. Yd.	332.6
Structure Excavation	Cu. Yd.	503.7
Aluminum Railing	Foot	282
Mechanically Stabilized Earth Retaining Wall	Sq. Ft.	1830

NOTES

- The front face of the precast panels shall have random cut stone finish such as Florida Ashlar (Pattern 17000) of Fitzgerald Formliners, Santa Ana, CA 92701, or similar stone finish as approved by the Engineer prior to wall construction.
- Aluminum Railing posts to be set in fast-setting, non-shrinking grout.
- Porous Granular Embankment shall be in accordance with Section 207 of the Standard Specifications.



CIP COPING DETAIL



ALUMINUM RAILING DETAIL
(See Note 2)

REVISIONS	
NAME	DATE

CITY OF CRYSTAL LAKE
ERICK STREET (FAU 0125)
RETAINING WALL

SCALE: NONE
DATE: DECEMBER 15, 2008

DRAWN BY: A. DURBAK
CHECKED BY: A. YARGICOLU

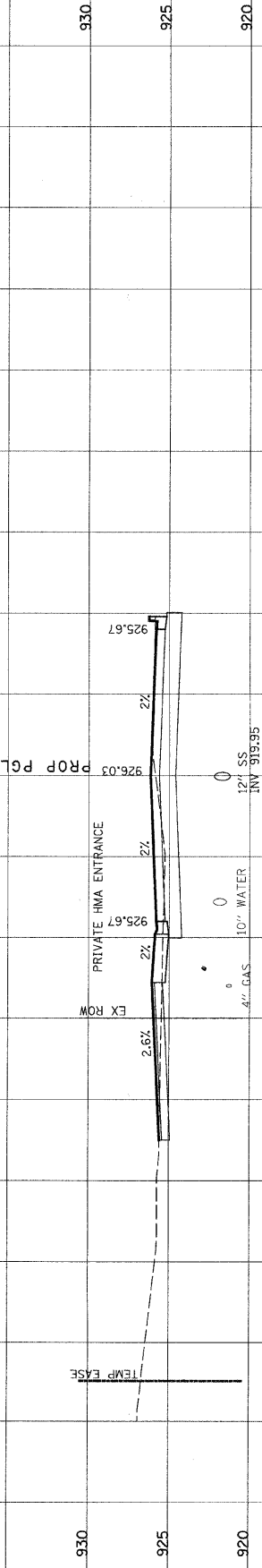
FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	57
STA. 10+00.00 TO 12+12.82 HORIZ. 1" = 10' VERT. 1" = 5'				

CONTRACT #63123

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS CHECKED		

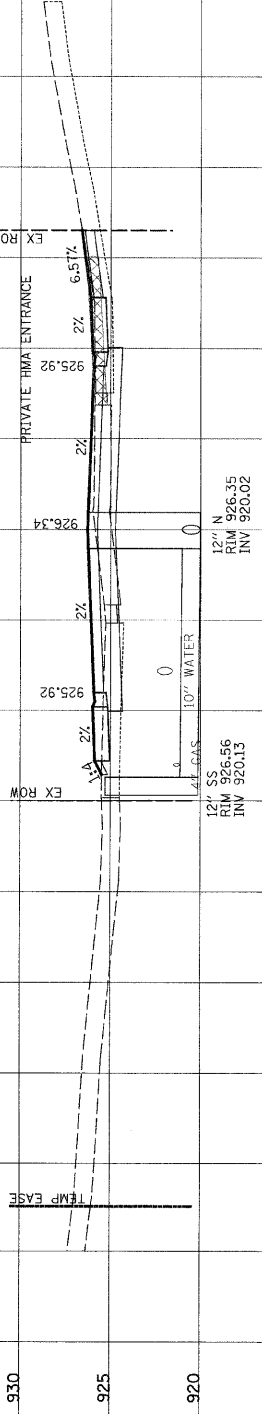
ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS CHECKED		

ERICK STREET



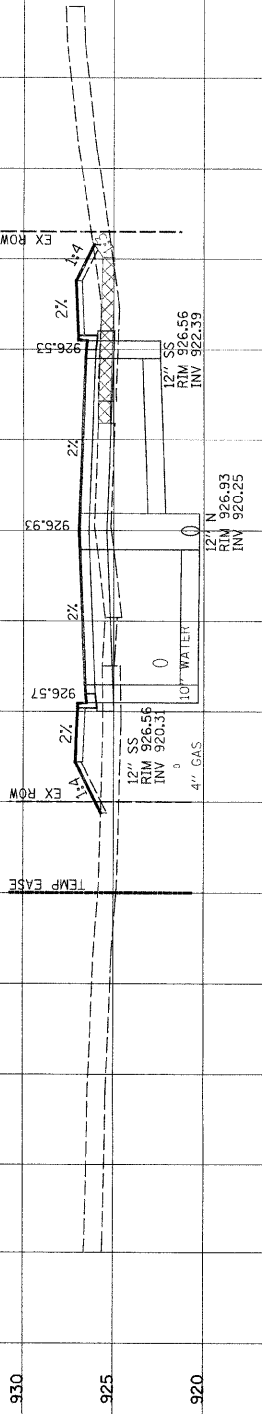
STAGE 1
CUT: 1.5 SY
FILL: 0.5 SY

STAGE 2
CUT: 0.8 SY
FILL: 1.0 SY



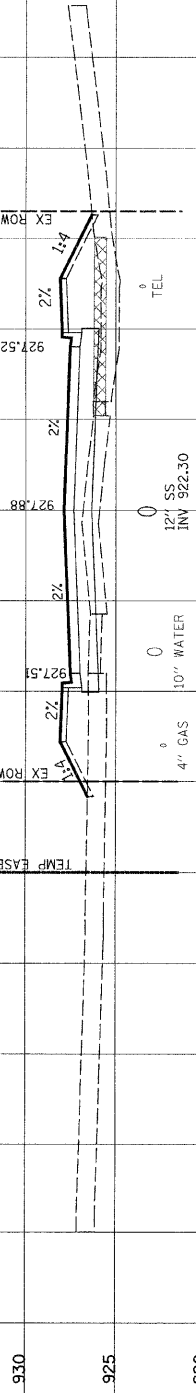
STAGE 1
CUT: 1.1 SY
FILL: 0.5 SY

STAGE 2
CUT: 0.2 SY
FILL: 1.0 SY



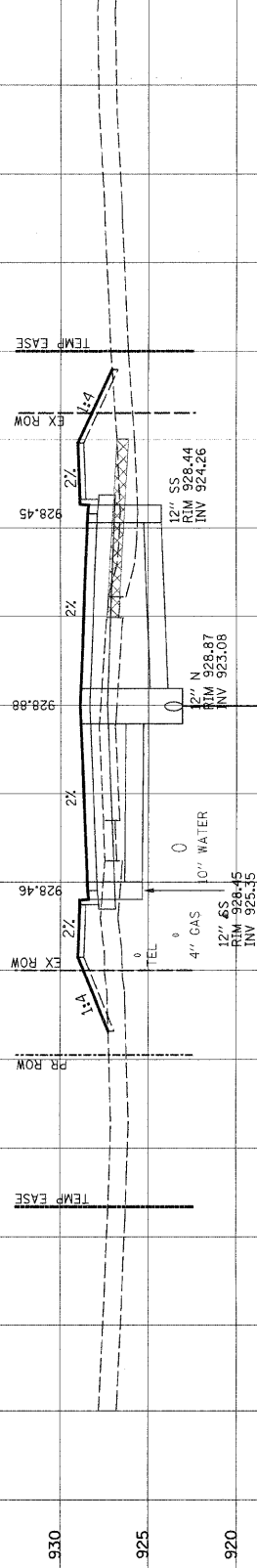
STAGE 1
CUT: 1.0 SY
FILL: 1.8 SY

STAGE 2
CUT: 0.4 SY
FILL: 2.0 SY



STAGE 1
CUT: 0.3 SY
FILL: 3.5 SY

STAGE 2
CUT: 0.4 SY
FILL: 1.9 SY



STAGE 1
CUT: 3.9 SY
FILL: 2.2 SY

STAGE 2
CUT: 0.4 SY
FILL: 2.2 SY



80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	58
STA. 12+50.00 TO 13+50.00				
HORIZ. 1" = 10' VERT. 1" = 5'				

CONTRACT #65123

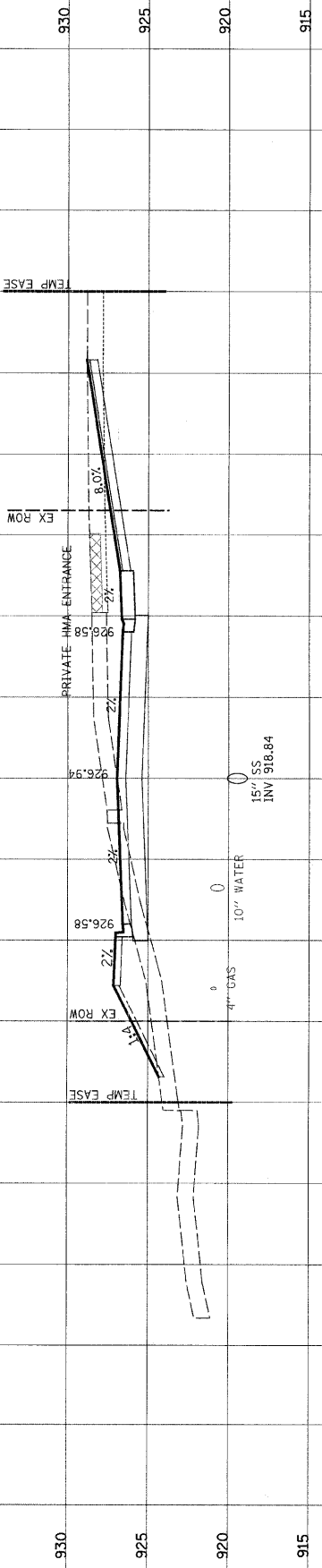
FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
930	925	920	915	

FINAL SURVEY	BY	DATE
NO. _____	_____	_____

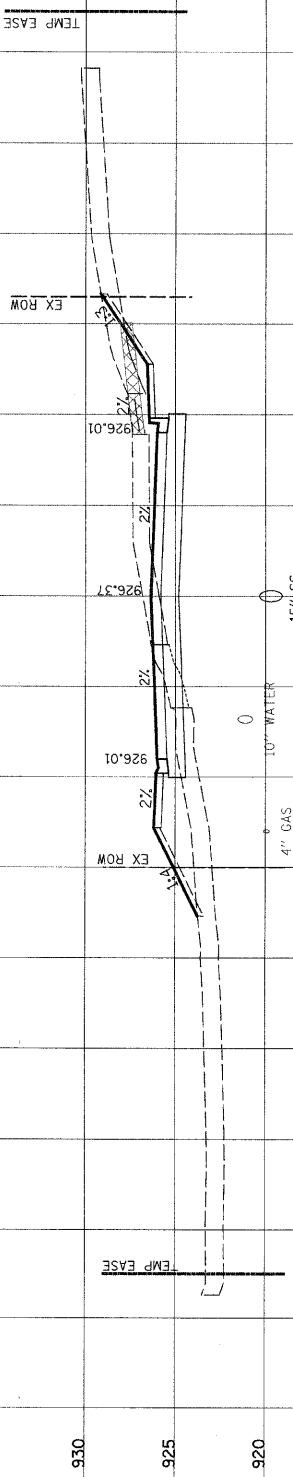
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NO. _____	_____	_____

ERICK STREET

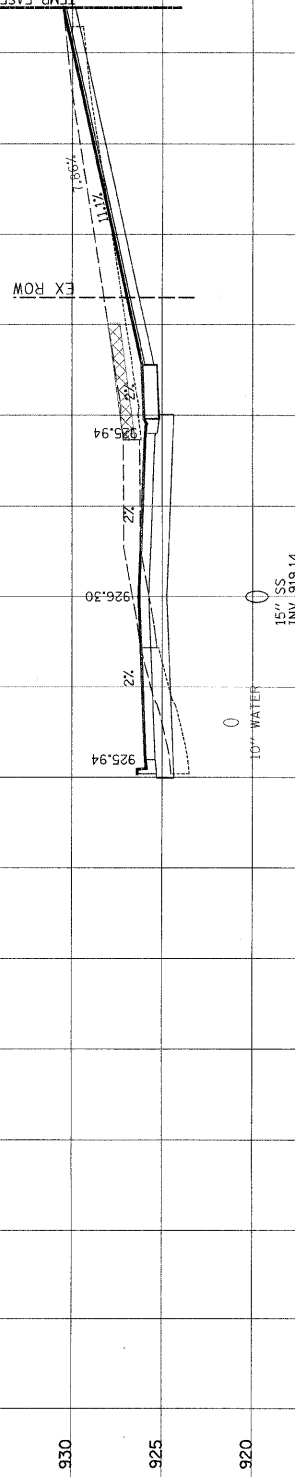
PROP PGL



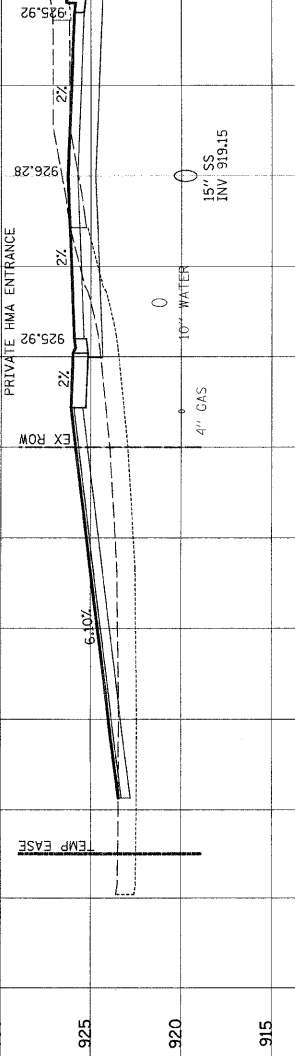
13+50.00
 0 8" SANITARY
 STAGE 1 CUT: 7.8 SY FILL: 0.1 SY
 STAGE 2 CUT: 3.1 SY FILL: 1.7 SY



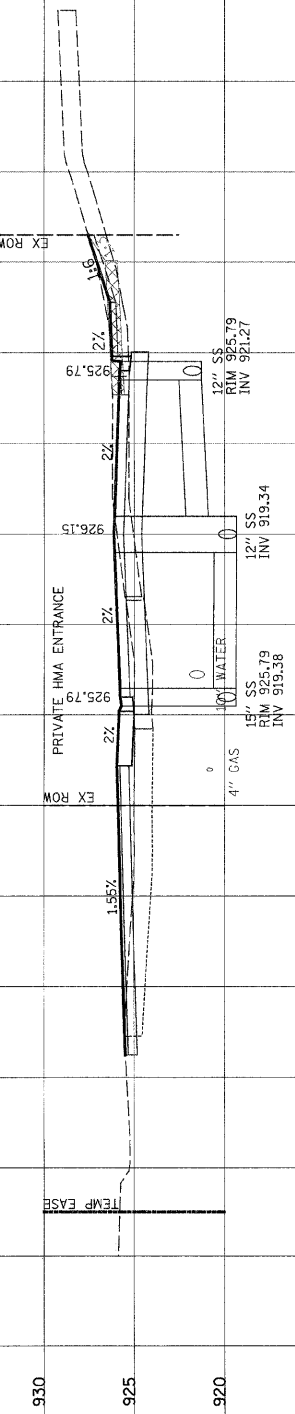
13+00.00
 0 8" SANITARY
 STAGE 1 CUT: 5.8 SY FILL: 0 SY
 STAGE 2 CUT: 0.1 SY FILL: 1.7 SY



12+90.85
 0 8" SANITARY
 STAGE 1 CUT: 6.8 SY FILL: 0 SY
 STAGE 2 CUT: 0.5 SY FILL: 7.6 SY



12+88.87
 0 8" SANITARY
 STAGE 1 CUT: 6.6 SY FILL: 0 SY
 STAGE 2 CUT: 0.6 SY FILL: 9.0 SY



12+50.00
 0 8" SANITARY
 STAGE 1 CUT: 2.9 SY FILL: 0.4 SY
 STAGE 2 CUT: 1.0 SY FILL: 3.8 SY

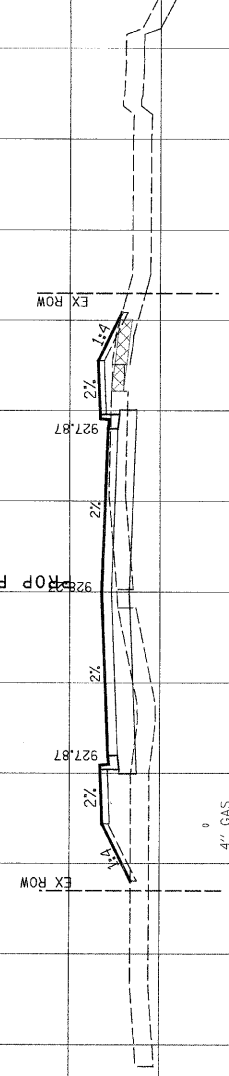
80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

ORIGINAL SURVEY PLOTTED DATE
 NOTE BOOK NO. AREAS CHECKED

FINAL SURVEY PLOTTED DATE
 NOTE BOOK NO. AREAS CHECKED

ERICK STREET

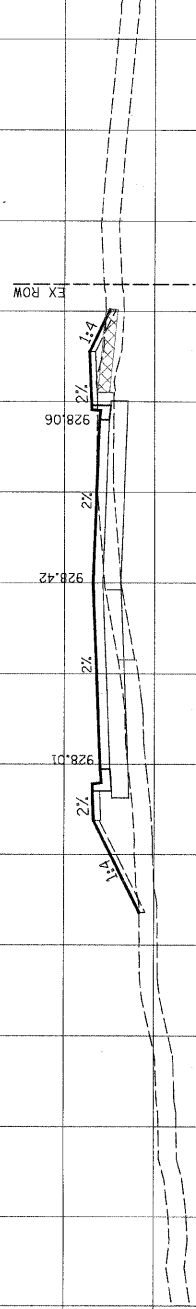
930 925 920 915



15+50.00
 0 8" SANITARY
 STAGE 1 CUT: 0.9 SY FILL: 1.2 SY
 STAGE 2 CUT: 0.2 SY FILL: 1.7 SY

10" WATER
 4" GAS
 18" SS INV 917.86

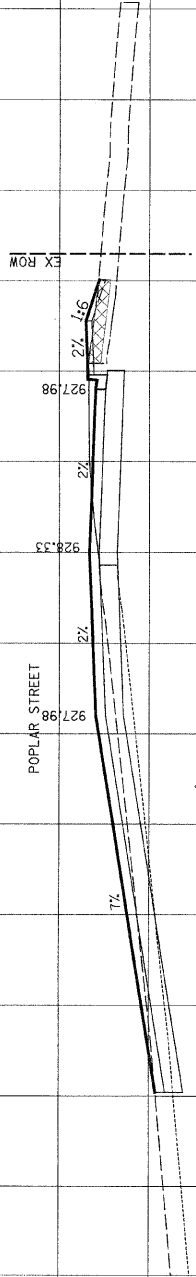
930 925 920 915



15+00.00
 0 8" SANITARY
 STAGE 1 CUT: 1.4 SY FILL: 0.9 SY
 STAGE 2 CUT: 0.8 SY FILL: 1.7 SY

10" WATER
 4" GAS
 18" SS INV 918.11

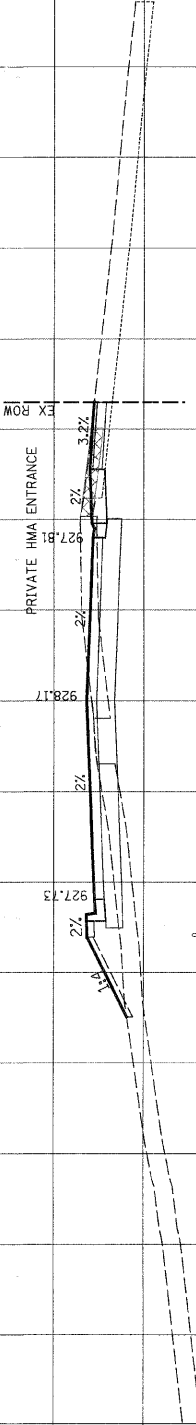
930 925 920 915



14+72.80
 0 8" SANITARY
 STAGE 1 CUT: 3.1 SY FILL: 1.2 SY
 STAGE 2 CUT: 0.5 SY FILL: 1.2 SY

10" WATER
 4" GAS
 18" SS INV 918.25

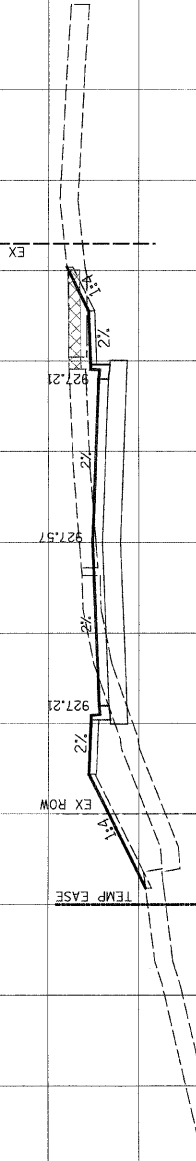
930 925 920 915



14+50.00
 0 8" SANITARY
 STAGE 1 CUT: 2.5 SY FILL: 0.2 SY
 STAGE 2 CUT: 1.3 SY FILL: 0.8 SY

10" WATER
 4" GAS
 18" SS INV 918.36

930 925 920 915



14+00.00
 0 8" SANITARY
 STAGE 1 CUT: 3.2 SY FILL: 0 SY
 STAGE 2 CUT: 3.2 SY FILL: 2.9 SY

10" WATER
 4" GAS
 18" SS INV 918.61

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	59

STA. 14+00.00 TO 15+50.00
 HORIZ. 1" = 10' VERT. 1" = 5'

CONTRACT #65123

80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	60
STA. 15+72.77 TO 18+00.00 HORIZ. 1" = 10' VERT. 1" = 5'				

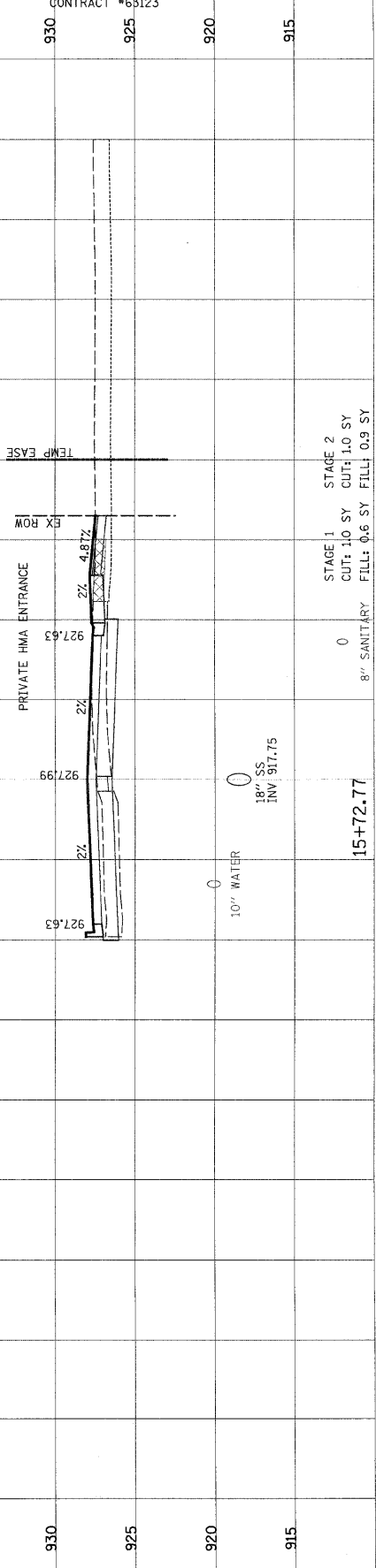
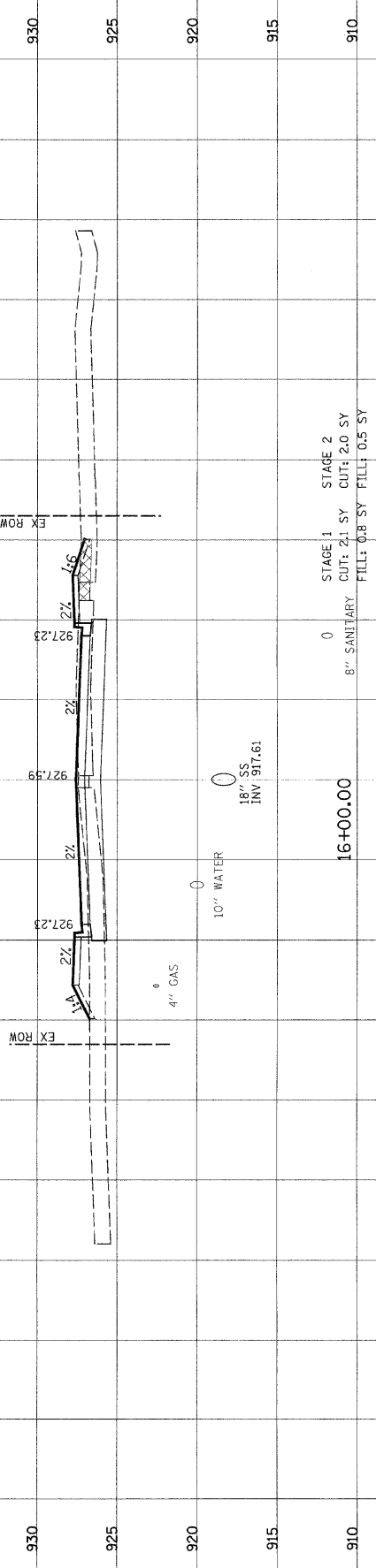
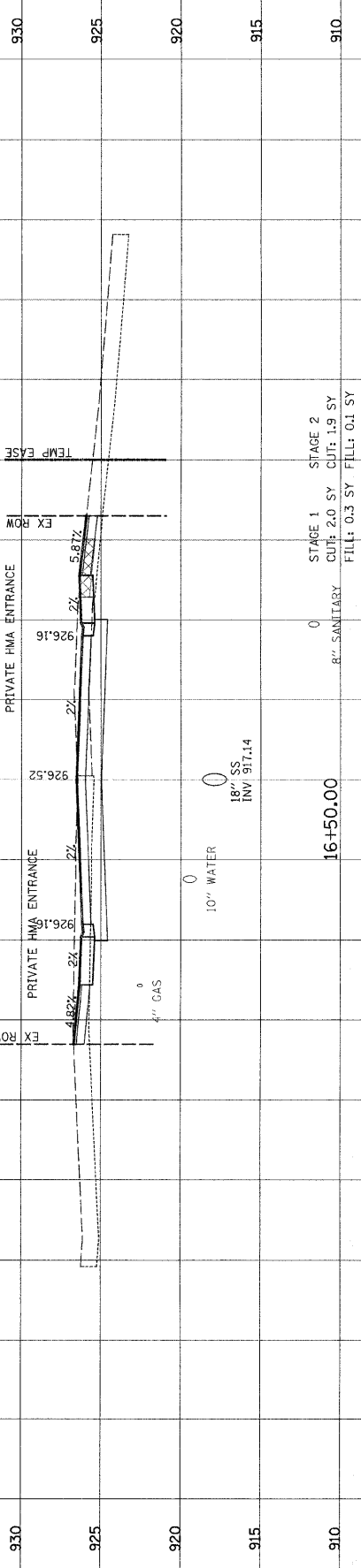
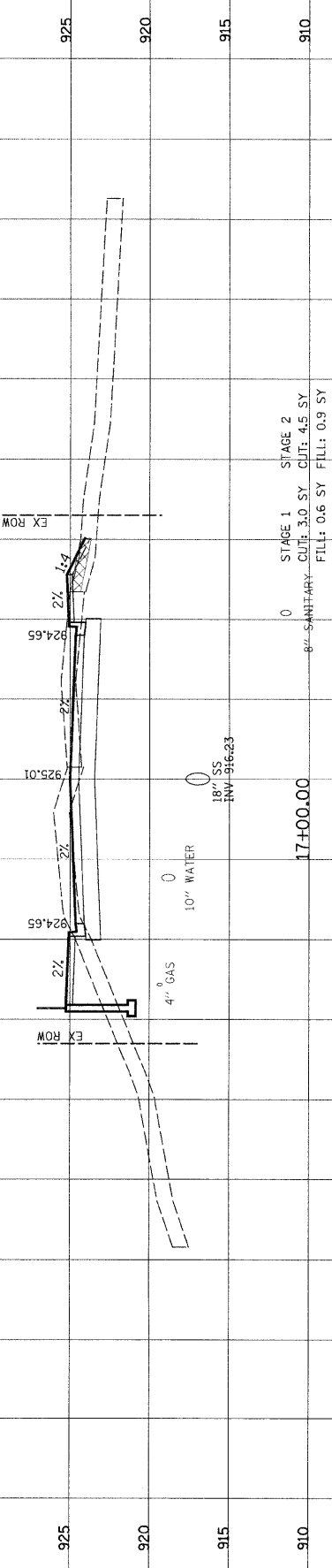
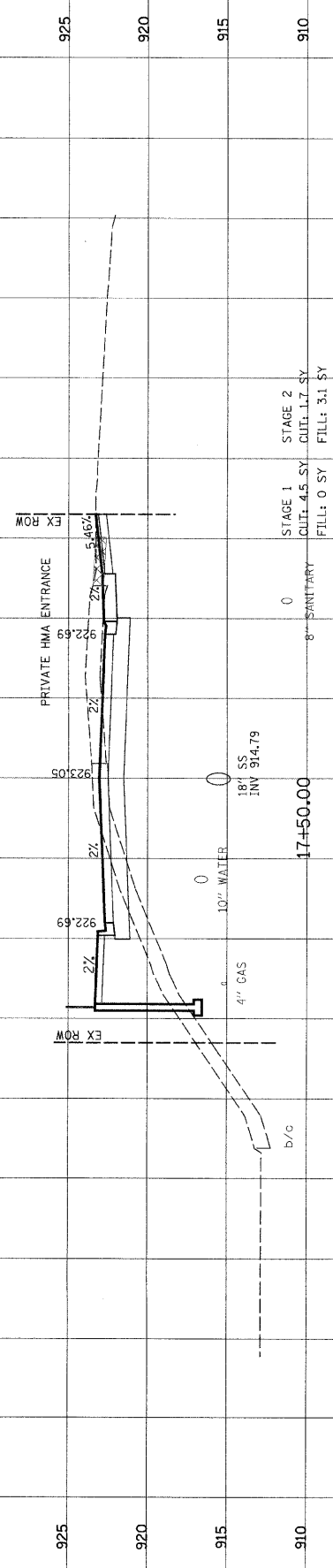
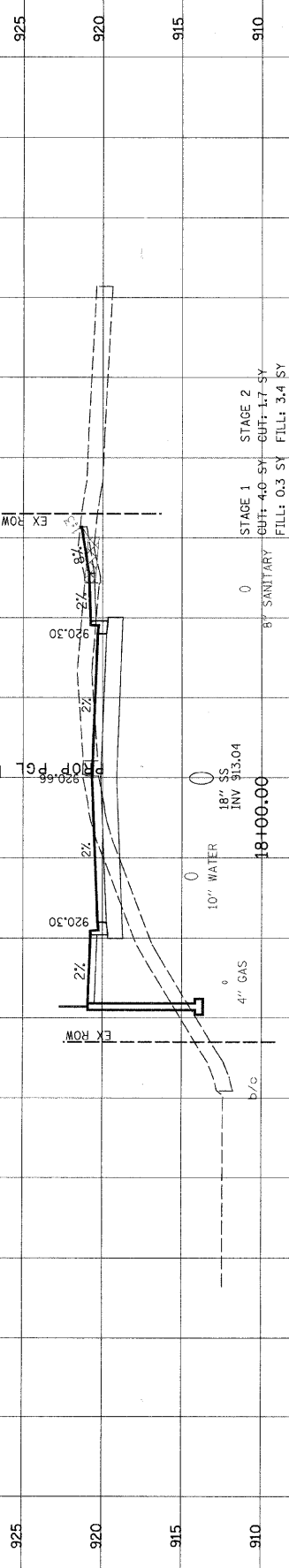
CONTRACT #65123

930 925 920 915

FINAL SURVEY	BY	DATE
NO. _____	_____	____/____/____
NOTE BOOK	_____	_____
AREAS CHECKED	_____	_____

ORIGINAL SURVEY	BY	DATE
NO. _____	_____	____/____/____
NOTE BOOK	_____	_____
AREAS CHECKED	_____	_____

ERICK STREET



925 920 915 910

925 920 915 910

925 920 915 910

930 925 920 915 910

930 925 920 915 910

930 925 920 915

80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	61

STA. 18+50.00 TO 20+50.00
HORIZ. 1" = 10' VERT. 1" = 5'

CONTRACT #63123

STATION	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
915	910	905	900	900

DATE	BY

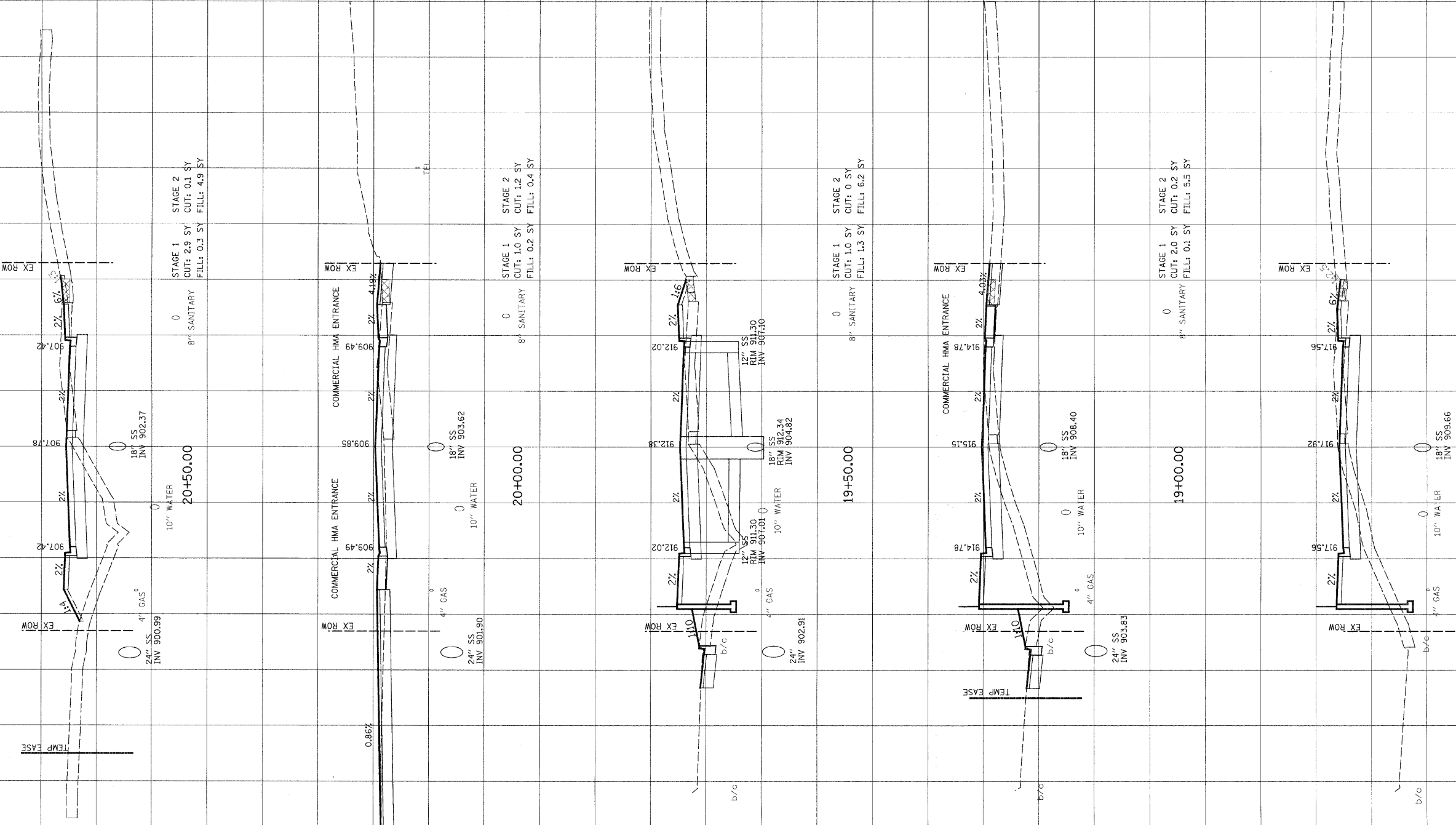
DATE	BY

DATE	BY

ERICK STREET

PROP PG.

910 905 900 910 905 900 915 910 905 900 915 910 905 900 920 915 910 905 900 920 915 910 905 900



80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

18+50.00

20+50.00

20+00.00

19+50.00

19+00.00

STAGE 1
CUT: 3.1 SY
FILL: 0.6 SY

STAGE 1
CUT: 0.1 SY
FILL: 0.3 SY

STAGE 1
CUT: 1.0 SY
FILL: 0.2 SY

STAGE 1
CUT: 1.0 SY
FILL: 1.3 SY

STAGE 1
CUT: 2.0 SY
FILL: 0.1 SY

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FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	62
STA. 21+00.00 TO 23+40.06				
HORIZ. 1" = 10' VERT. 1" = 5'				

CONTRACT #63123

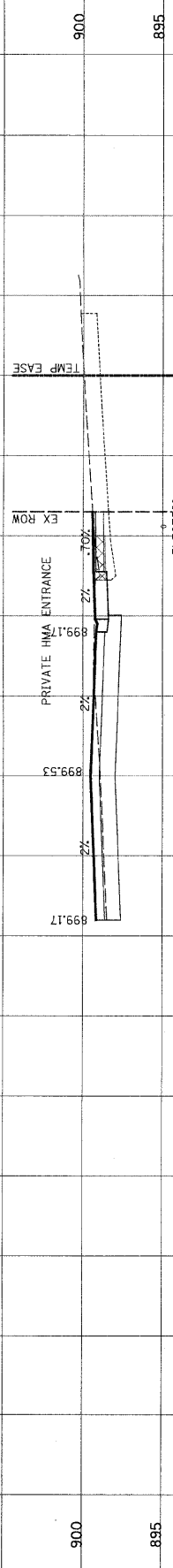
910	905	900	895
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NO.	DATE	BY

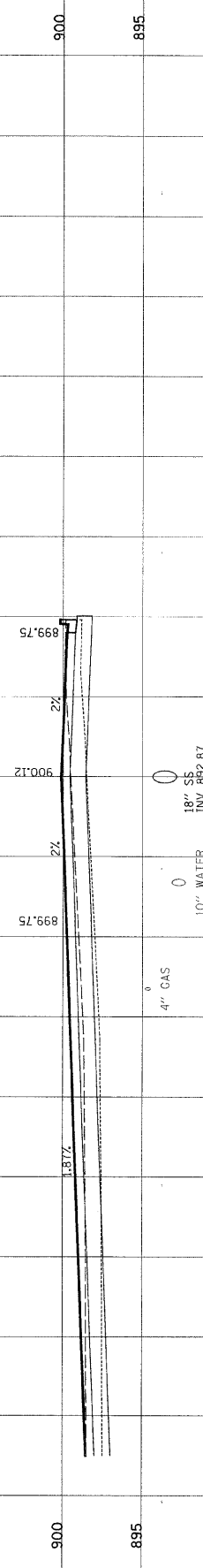
NO.	DATE	BY

ERICK STREET

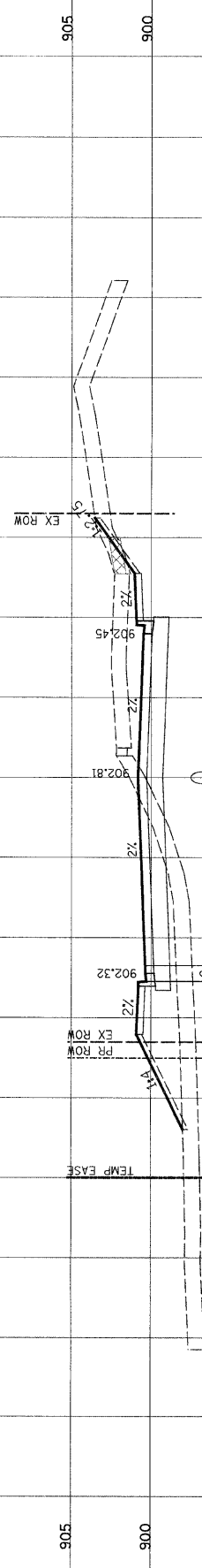
PROP PG.



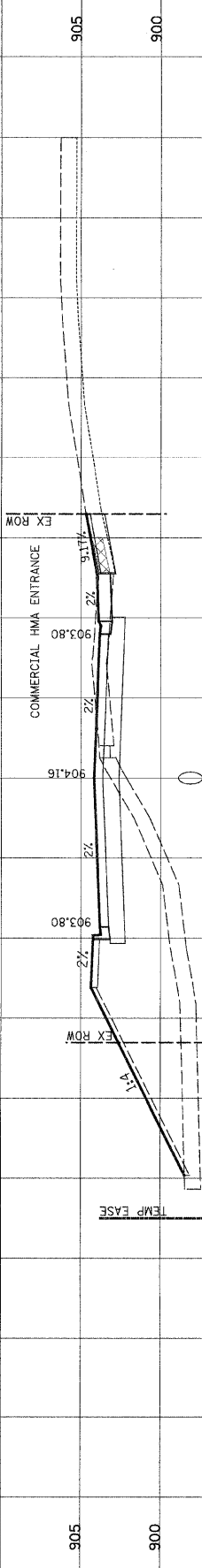
895
 10" WATER
 18" SS
 INV 892.51
 23+40.06
 STAGE 1
 CUT: 1.0 SY
 FILL: 0.7 SY
 STAGE 2
 CUT: 1.9 SY
 FILL: 0.5 SY



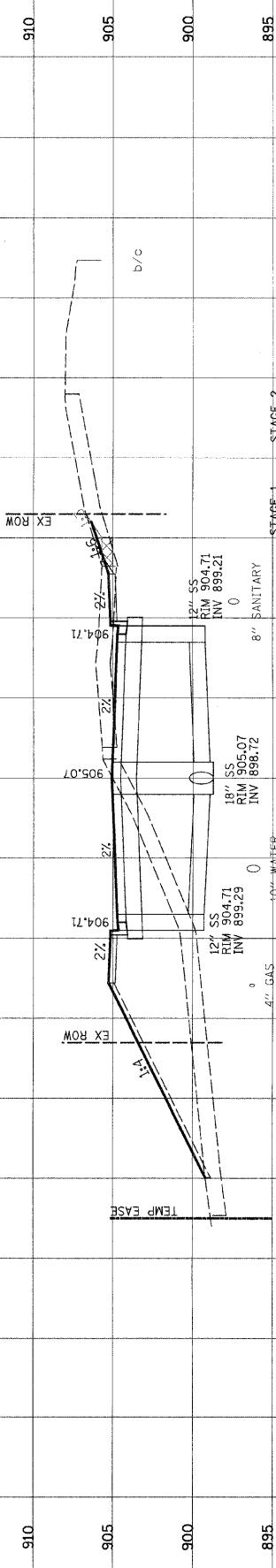
900
 895
 10" WATER
 18" SS
 INV 892.87
 23+23.95
 STAGE 1
 CUT: 2.0 SY
 FILL: 0.6 SY
 STAGE 2
 CUT: 1.0 SY
 FILL: 1.0 SY



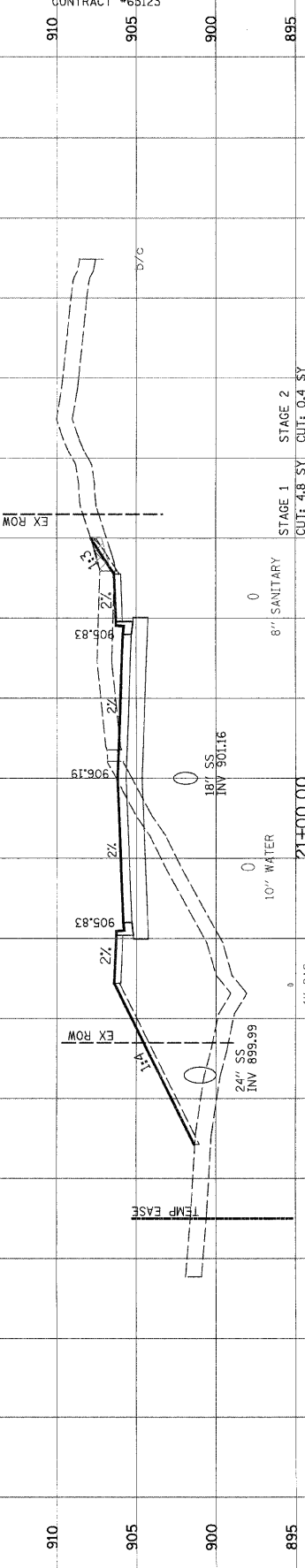
905
 900
 895
 10" WATER
 18" SS
 INV 896.03
 22+50.00
 STAGE 1
 CUT: 6.4 SY
 FILL: 0 SY
 STAGE 2
 CUT: 0.8 SY
 FILL: 3.3 SY



905
 900
 895
 10" WATER
 18" SS
 INV 897.40
 22+00.00
 STAGE 1
 CUT: 1.9 SY
 FILL: 0 SY
 STAGE 2
 CUT: 0 SY
 FILL: 13.1 SY



910
 905
 900
 895
 10" WATER
 18" SS
 INV 895.21
 21+50.00
 STAGE 1
 CUT: 4.1 SY
 FILL: 0.2 SY
 STAGE 2
 CUT: 0.3 SY
 FILL: 10.1 SY



910
 905
 900
 895
 10" WATER
 18" SS
 INV 901.16
 21+00.00
 STAGE 1
 CUT: 4.8 SY
 FILL: 0 SY
 STAGE 2
 CUT: 0.4 SY
 FILL: 13.2 SY

80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	63
STA. 23+50.00 TO 26+00.00 HORIZ. 1" = 10' VERT. 1" = 5'				

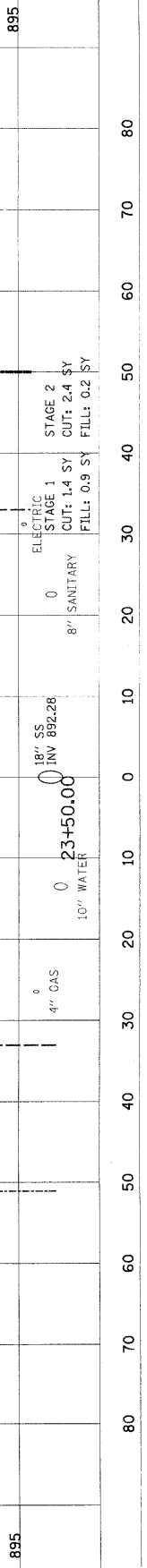
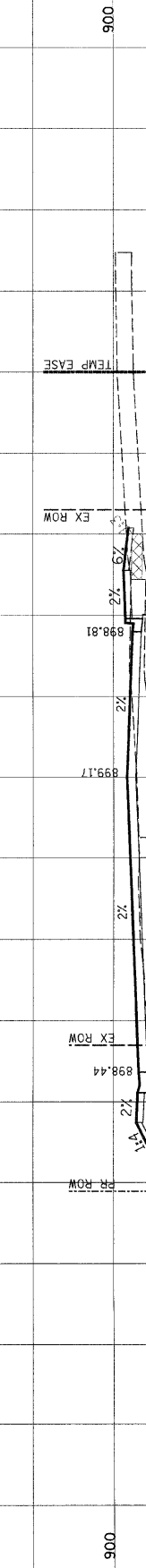
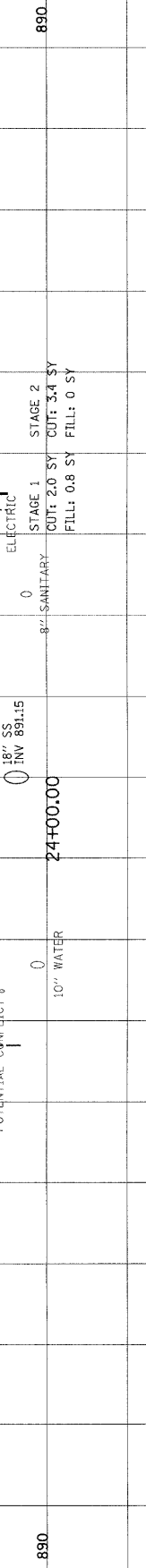
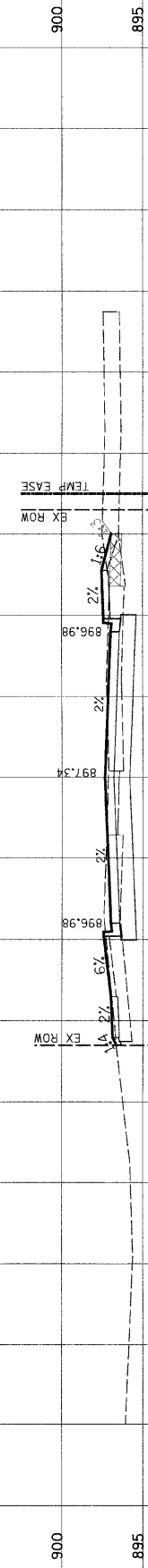
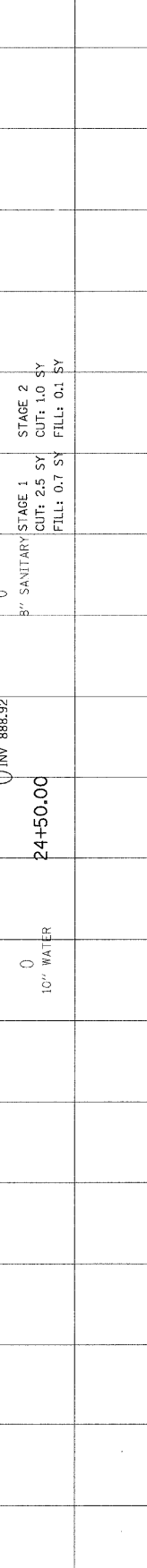
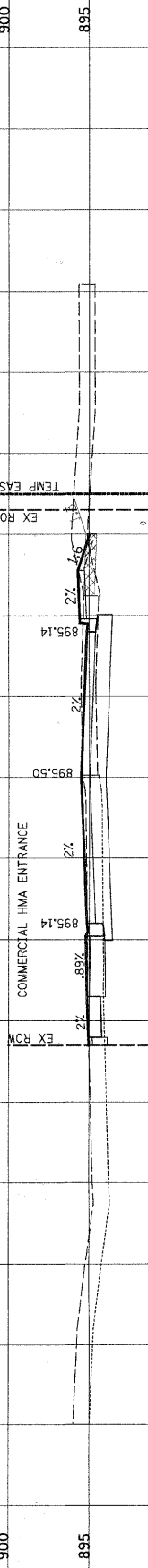
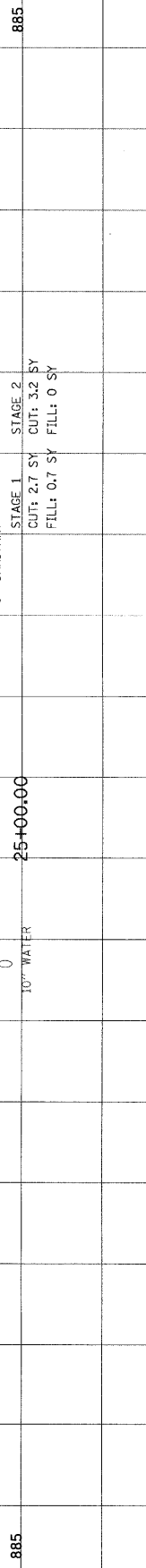
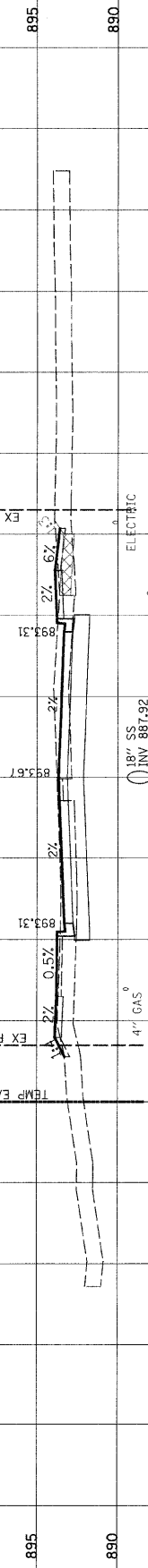
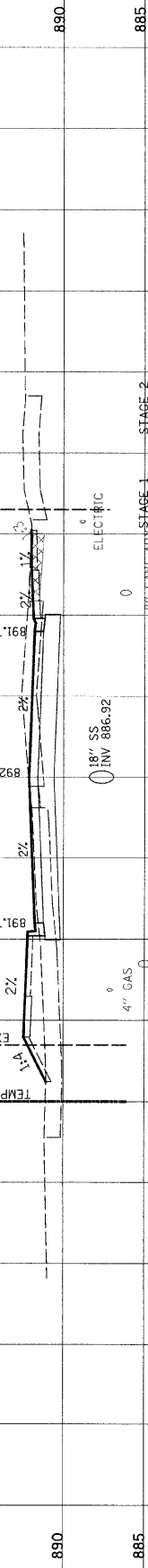
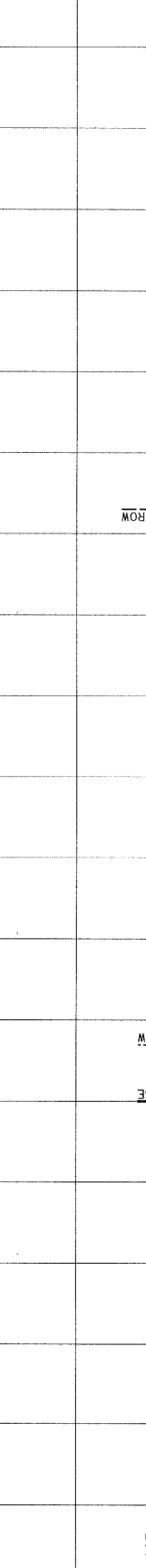
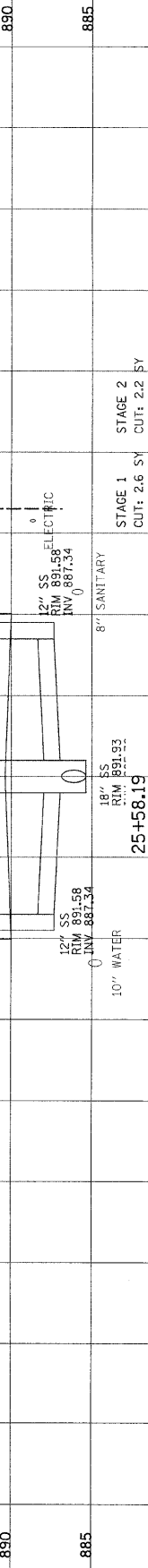
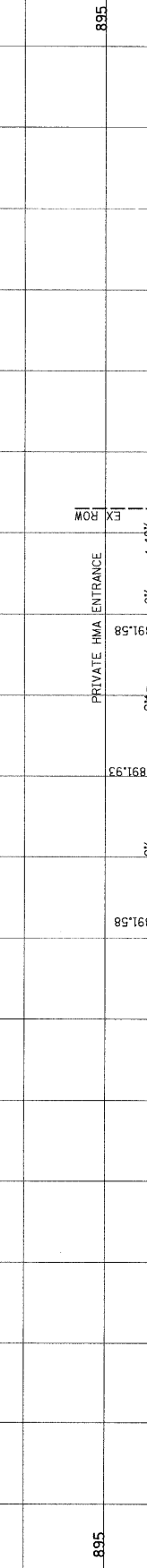
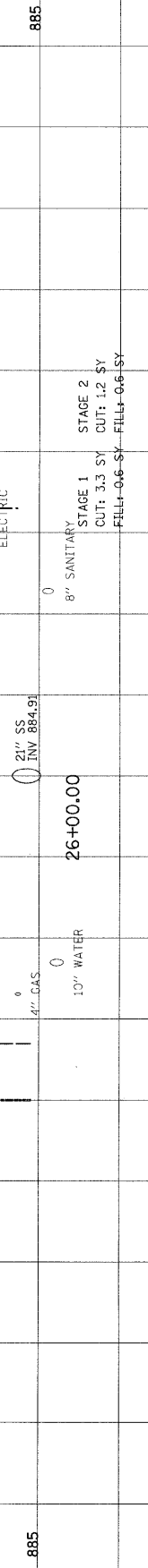
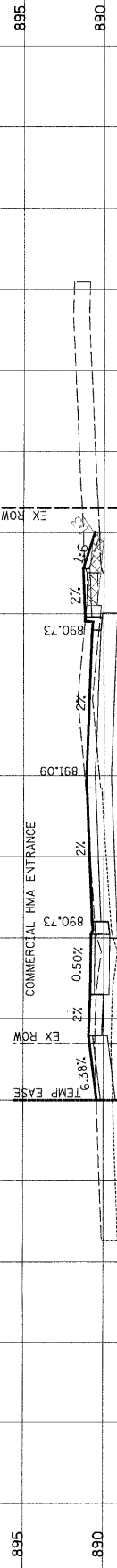
CONTRACT #6B123

DATE	BY

DATE	BY

ERICK STREET

PROP PG.



80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	64
STA. 26+39.83 TO 28+00.00				
HORIZ. 1" = 10' VERT. 1" = 5'				

CONTRACT #63123

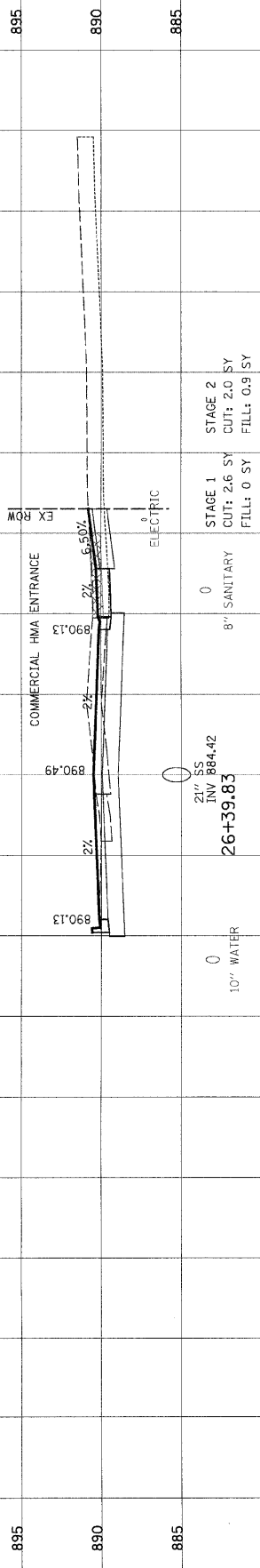
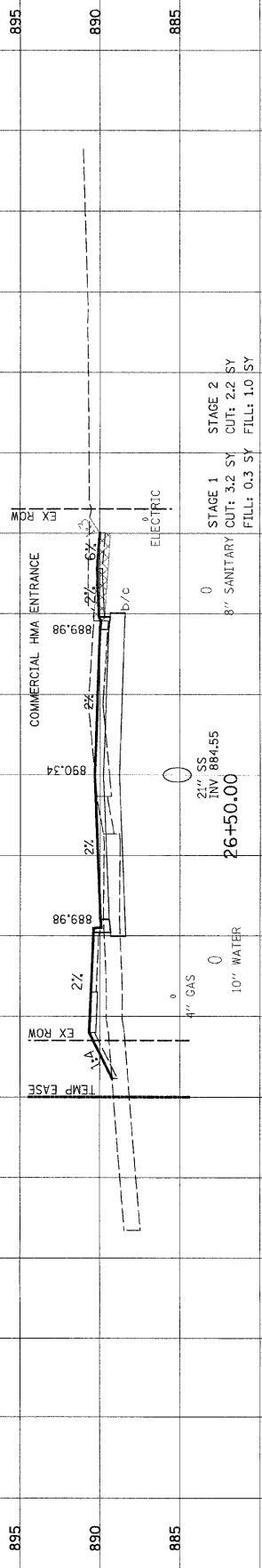
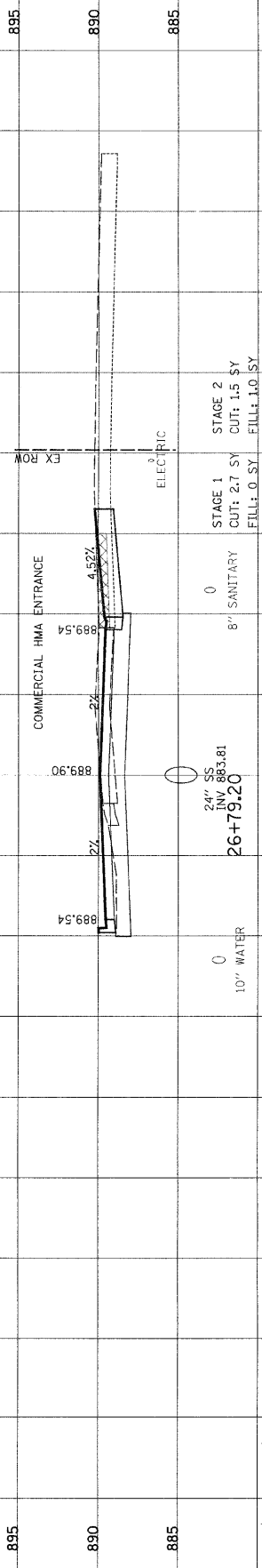
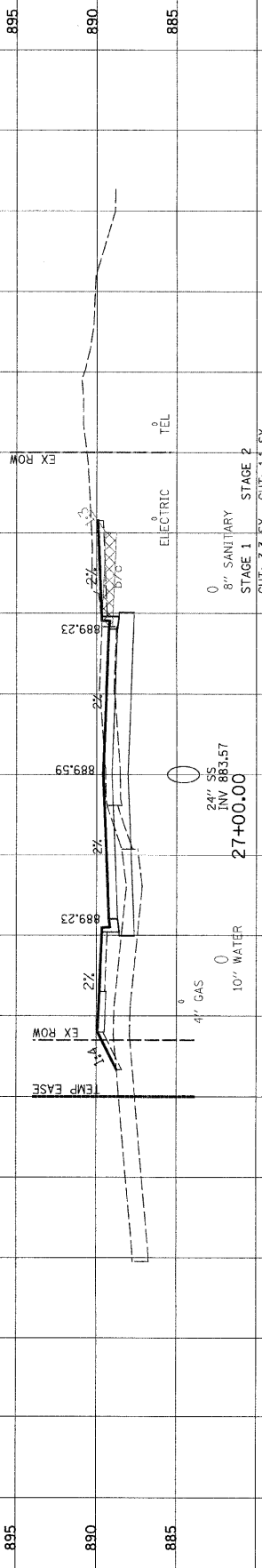
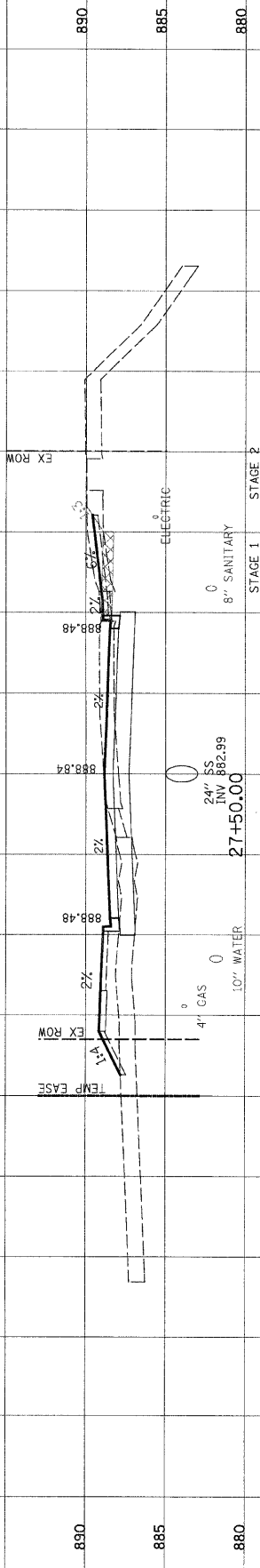
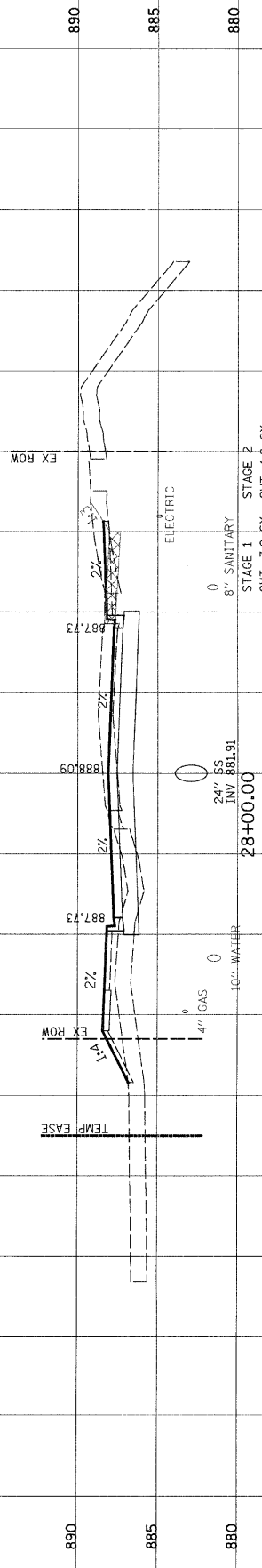
895 890 885

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

ERICK STREET

PROP PGL

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



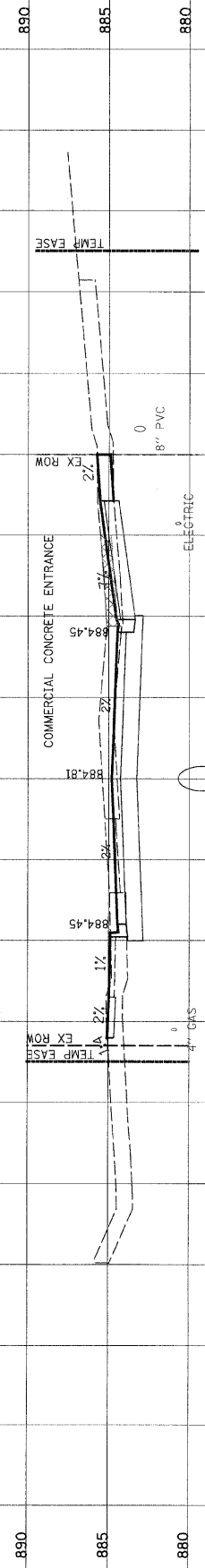
80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

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

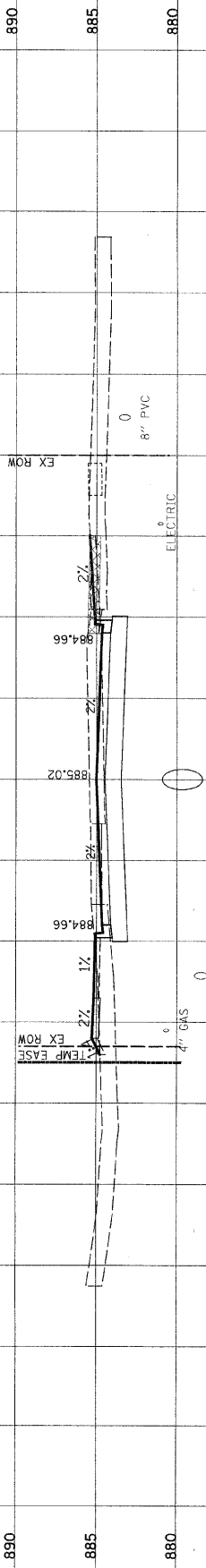
FINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	DATE
NOTE BOOK	NO.
AREAS	DATE
CHECKED	BY
AREAS	DATE
CHECKED	BY

ERICK STREET

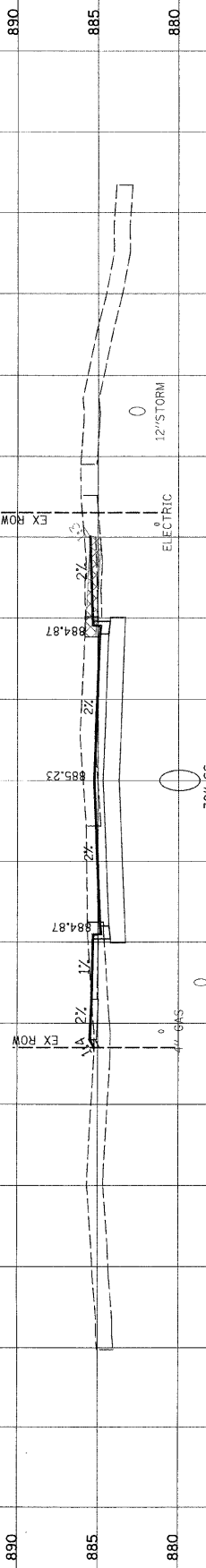
PROP Pgl



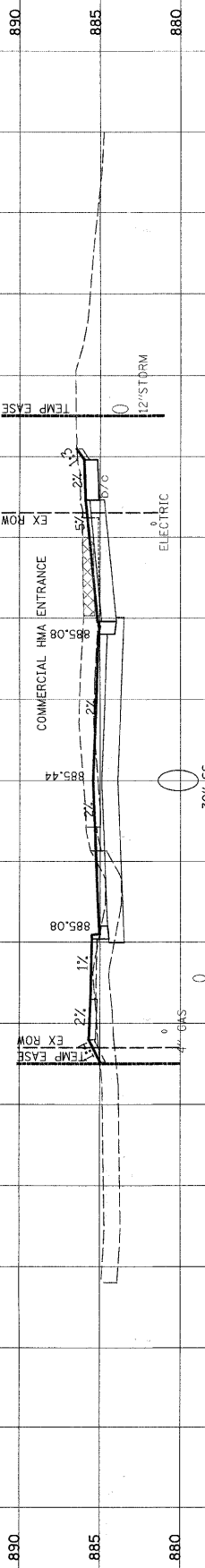
890
885
880
10" WATER
36" SS
INV 877.69
32+00.00
STAGE 1
CUT: 4.8 SY
FILL: 0 SY
STAGE 2
CUT: 3.8 SY
FILL: 0 SY
8" PVC
ELECTRIC
8" SANITARY
CUT: 4.8 SY
FILL: 0 SY



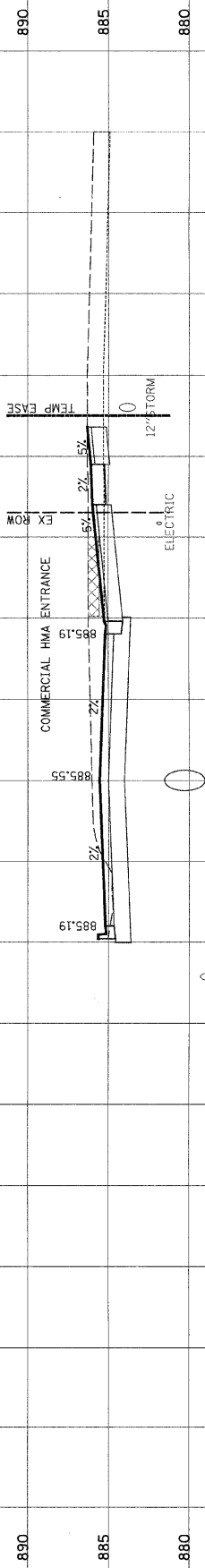
890
885
880
10" WATER
30" SS
INV 876.42
33+50.00
STAGE 1
CUT: 3.3 SY
FILL: 0.2 SY
STAGE 2
CUT: 3.9 SY
FILL: 0.2 SY
8" PVC
ELECTRIC
8" SANITARY
CUT: 3.3 SY
FILL: 0.2 SY



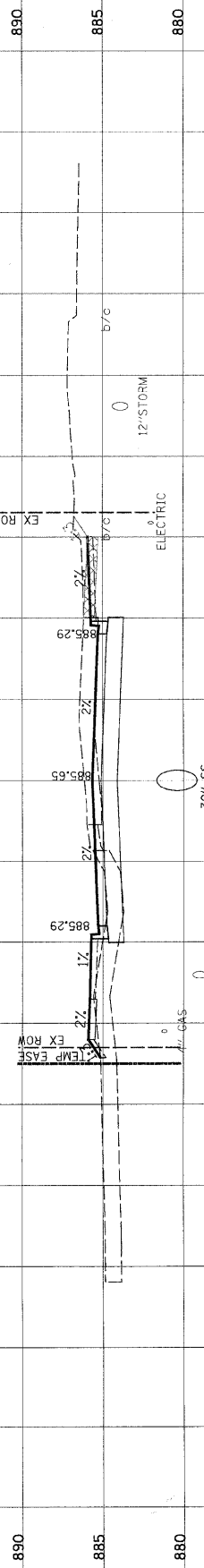
890
885
880
10" WATER
30" SS
INV 876.67
33+00.00
STAGE 1
CUT: 4.2 SY
FILL: 6.2 SY
STAGE 2
CUT: 4.3 SY
FILL: 0 SY
12" STORM
ELECTRIC
8" SANITARY
CUT: 4.2 SY
FILL: 6.2 SY



890
885
880
10" WATER
30" SS
INV 876.90
32+50.00
STAGE 1
CUT: 5.3 SY
FILL: 0 SY
STAGE 2
CUT: 2.6 SY
FILL: 0.1 SY
12" STORM
ELECTRIC
8" SANITARY
CUT: 5.3 SY
FILL: 0 SY



890
885
880
10" WATER
30" SS
INV 879.03
32+24.10
STAGE 1
CUT: 4.5 SY
FILL: 0 SY
STAGE 2
CUT: 2.3 SY
FILL: 0.1 SY
12" STORM
ELECTRIC
8" SANITARY
CUT: 4.5 SY
FILL: 0 SY



890
885
880
10" WATER
30" SS
INV 879.15
32+00.00
STAGE 1
CUT: 3.9 SY
FILL: 0.1 SY
STAGE 2
CUT: 2.3 SY
FILL: 0.2 SY
12" STORM
ELECTRIC
8" SANITARY
CUT: 3.9 SY
FILL: 0.1 SY

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	66
STA. 32+00.00 TO 34+00.00				
HORIZ. 1" = 10' VERT. 1" = 5'				
CONTRACT #63123				
890	885	880		

80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	67
STA. 34+50.00 TO 36+00.00 HORIZ. 1" = 10' VERT. 1" = 5'				

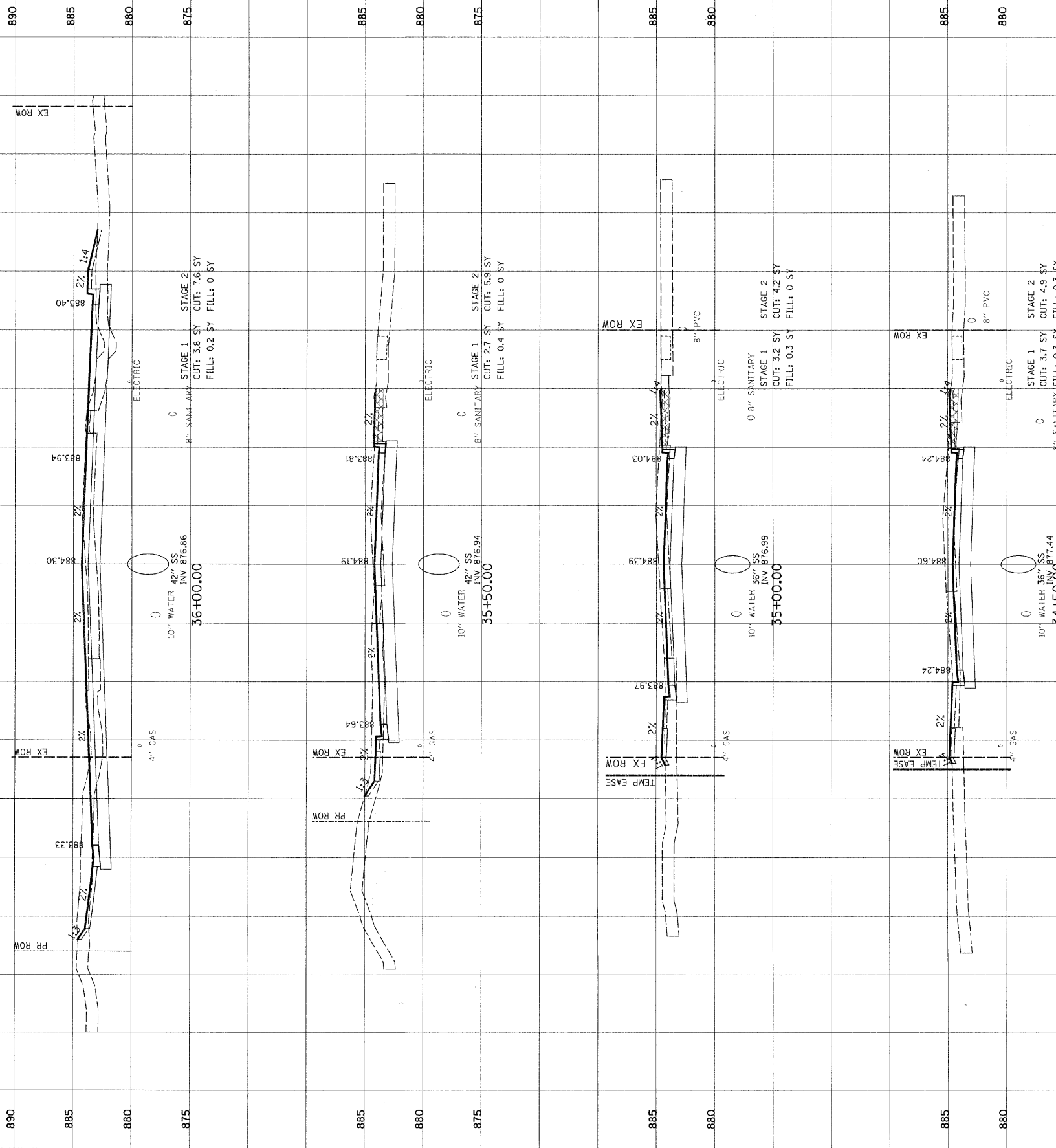
CONTRACT #63123

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	DATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	DATE		
	AREAS		
	CHECKED		

ERICK STREET

PROP PG.



80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

ORIGINAL SURVEY NOTED
 SURVEY NOTED
 NOTE BOOK TEMPLATE
 AREAS CHECKED

FINAL SURVEY NOTED
 SURVEY NOTED
 NOTE BOOK TEMPLATE
 AREAS CHECKED

BY: _____ DATE: _____

BY: _____ DATE: _____

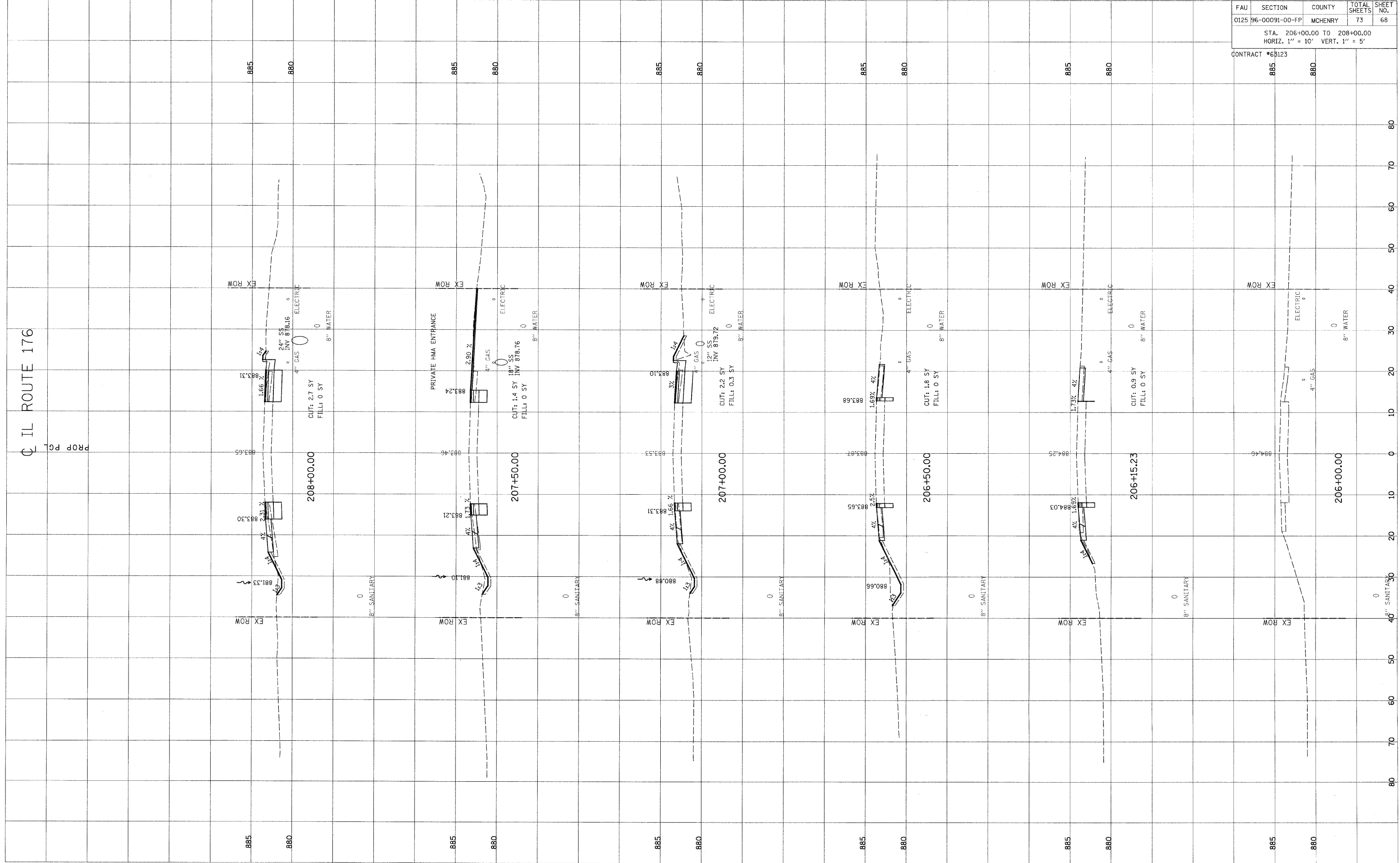
CL ROUTE 176

PROP PG

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	68

STA. 206+00.00 TO 208+00.00
 HORIZ. 1" = 10' VERT. 1" = 5'

CONTRACT #63123



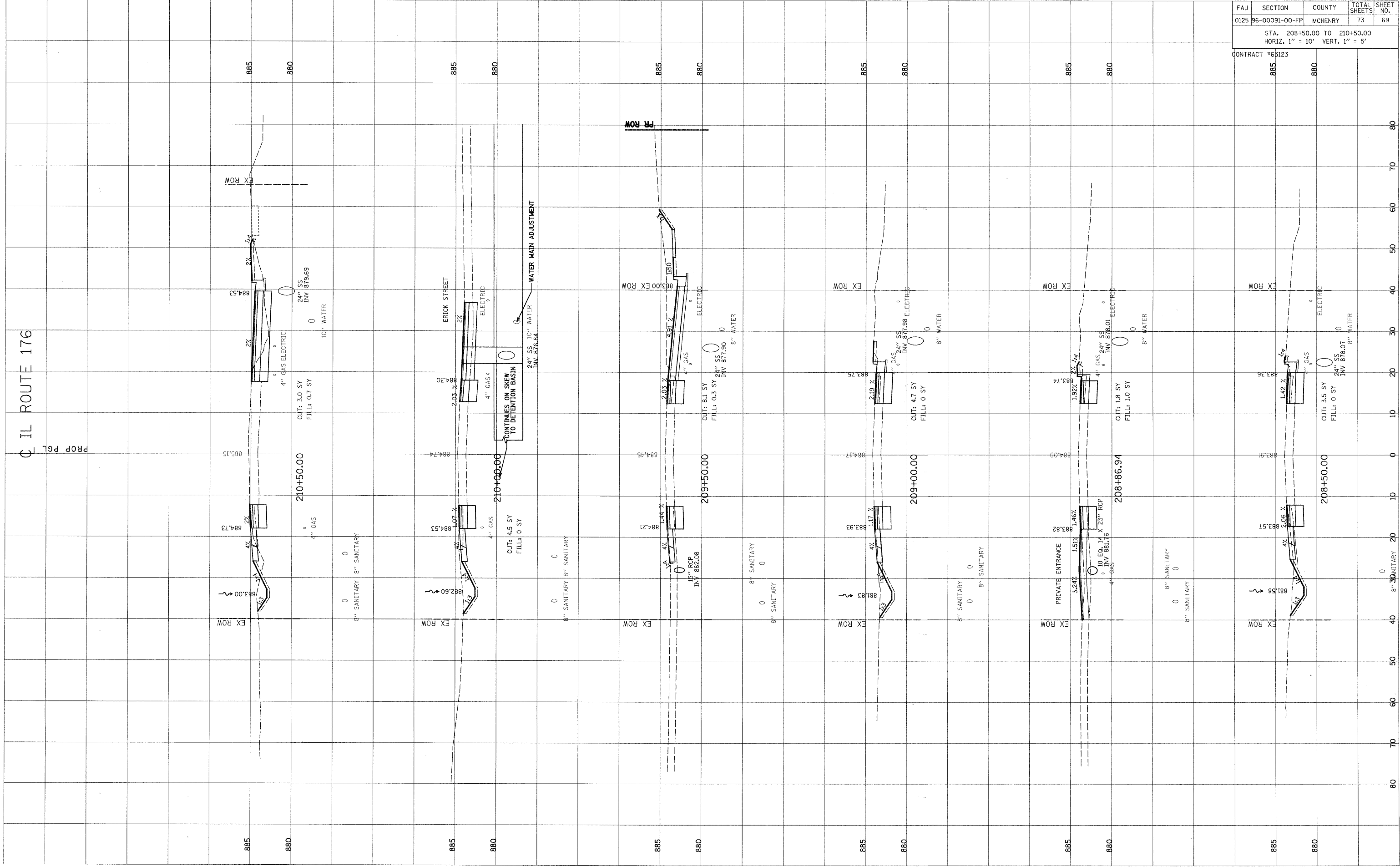
80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

ORIGINAL SURVEY
 SURVEYED: _____
 NOTE BOOK: _____
 TEMPLATE: _____
 AREAS CHECKED: _____
 NO. _____

FINAL SURVEY
 SURVEYED: _____
 NOTE BOOK: _____
 TEMPLATE: _____
 AREAS CHECKED: _____
 NO. _____

BY: _____ DATE: _____

CLIL ROUTE 176



FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	69

STA. 208+50.00 TO 210+50.00
 HORIZ. 1" = 10' VERT. 1" = 5'

CONTRACT #65123

SECTION	STATION	UTILITY	TYPE	DIAMETER	DEPTH	INVERT	REMARKS
885	210+50.00	4" GAS	CUT	4"	0.7	884.53	
880	210+50.00	24" SS	MANHOLE	24"	0	879.69	
880	210+50.00	10" WATER	MANHOLE	10"	0	879.69	
885	210+00.00	4" GAS	CUT	4"	0.7	884.53	
880	210+00.00	24" SS	MANHOLE	24"	0	876.64	
880	210+00.00	10" WATER	MANHOLE	10"	0	876.64	
885	209+50.00	4" GAS	CUT	4"	0.3	883.00	
880	209+50.00	24" SS	MANHOLE	24"	0	877.90	
880	209+50.00	8" WATER	MANHOLE	8"	0	877.90	
885	209+00.00	4" GAS	CUT	4"	0.7	883.75	
880	209+00.00	24" SS	MANHOLE	24"	0	877.98	
880	209+00.00	8" WATER	MANHOLE	8"	0	877.98	
885	208+86.94	4" GAS	CUT	4"	1.0	883.74	
880	208+86.94	24" SS	MANHOLE	24"	0	878.01	
880	208+86.94	8" WATER	MANHOLE	8"	0	878.01	
885	208+50.00	4" GAS	CUT	4"	0.7	883.36	
880	208+50.00	24" SS	MANHOLE	24"	0	878.07	
880	208+50.00	8" WATER	MANHOLE	8"	0	878.07	

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

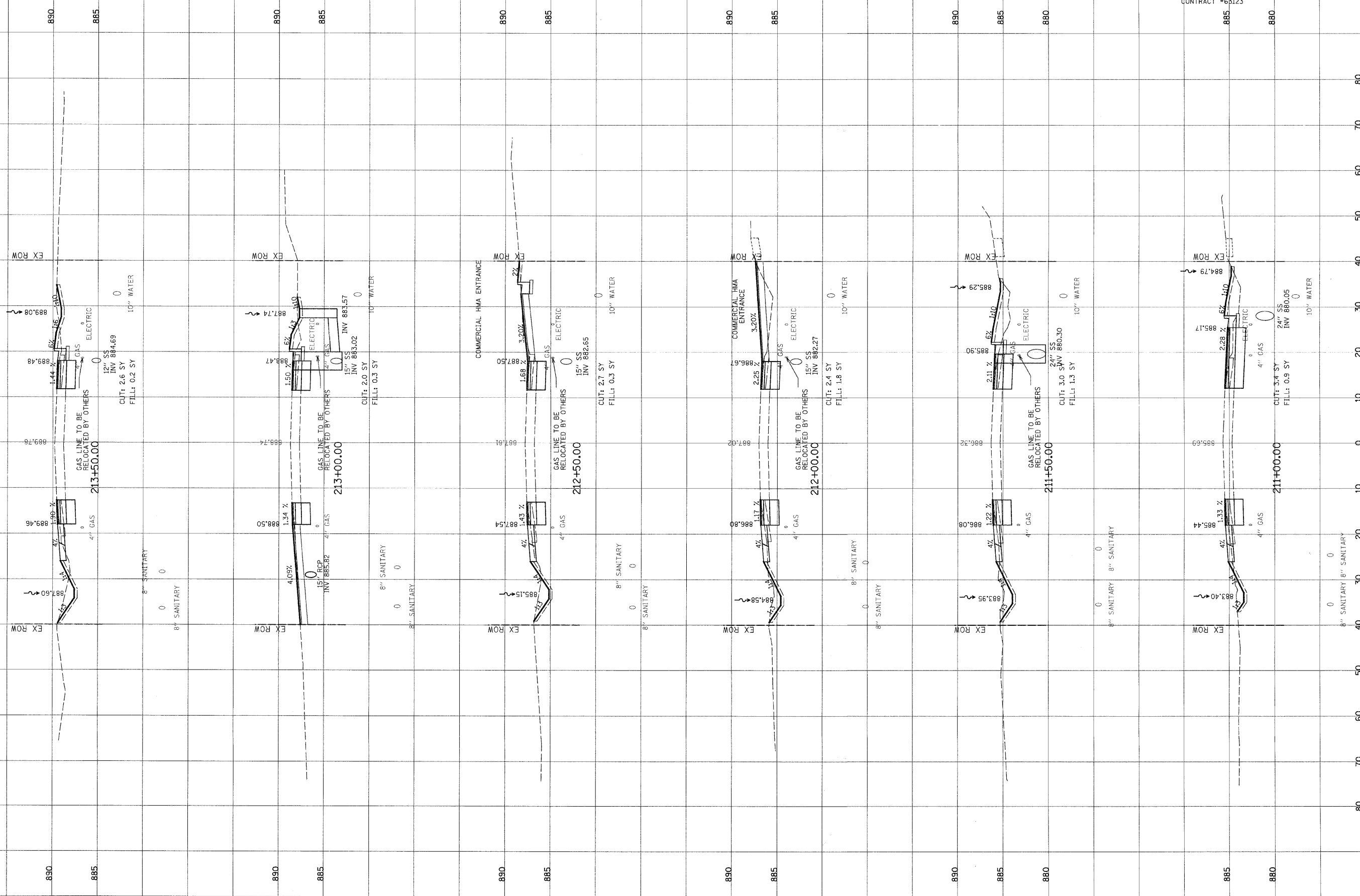
FINAL SURVEY	DATE
EXERCISED	BY
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

CL IL ROUTE 176

PROP PGL

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	70
STA. 211+00.00 TO 213+50.00				
HORIZ. 1" = 10' VERT. 1" = 5'				

CONTRACT #63123



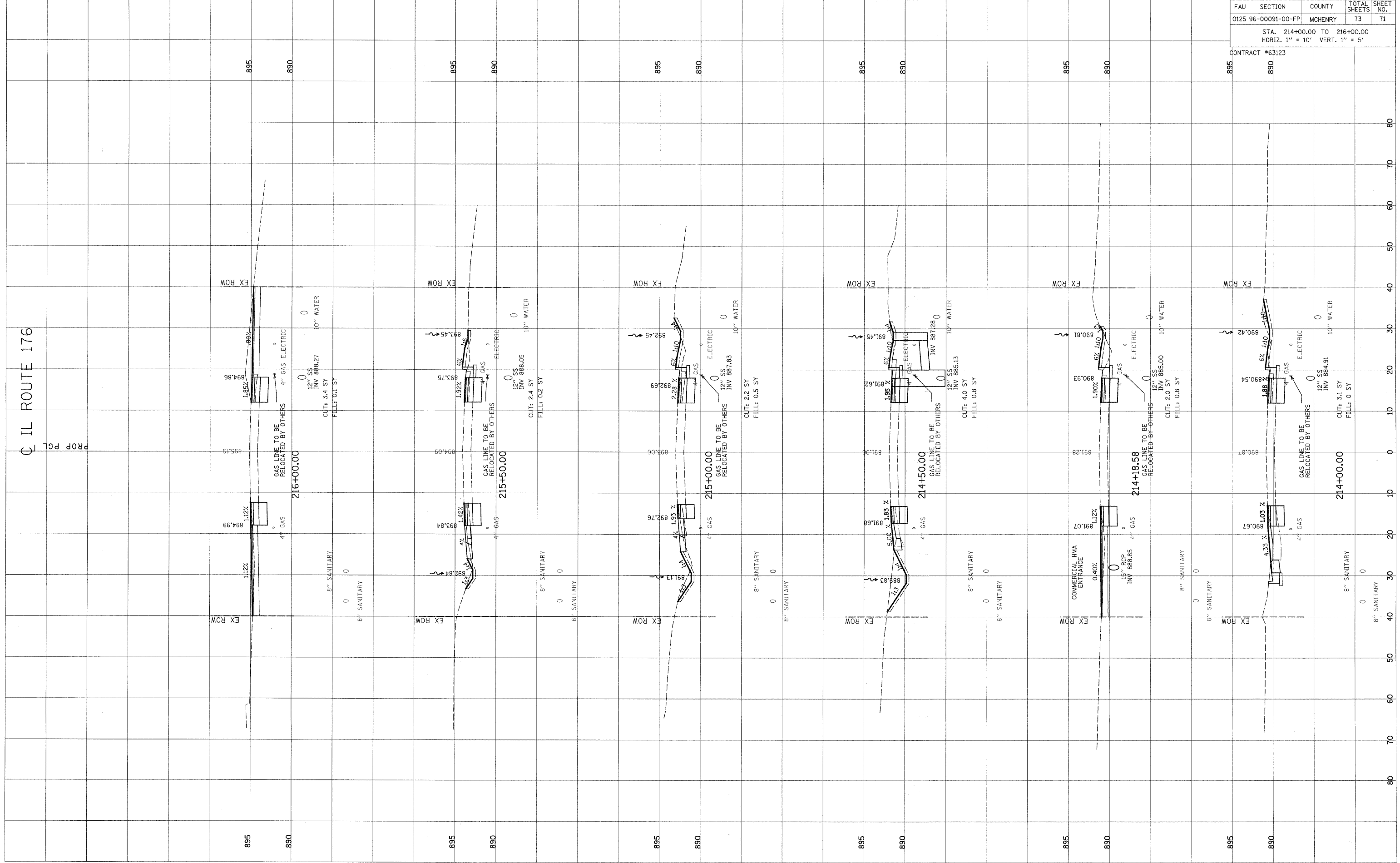
ORIGINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

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

CL ROUTE 176
PROP PGL

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	71
STA. 214+00.00 TO 216+00.00				
HORIZ. 1" = 10' VERT. 1" = 5'				

CONTRACT #68123



80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

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

FINAL SURVEY	DATE
PLOTTED	BY
NOTE BOOK	
TEMPLATE	
AREAS	
CHECKED	
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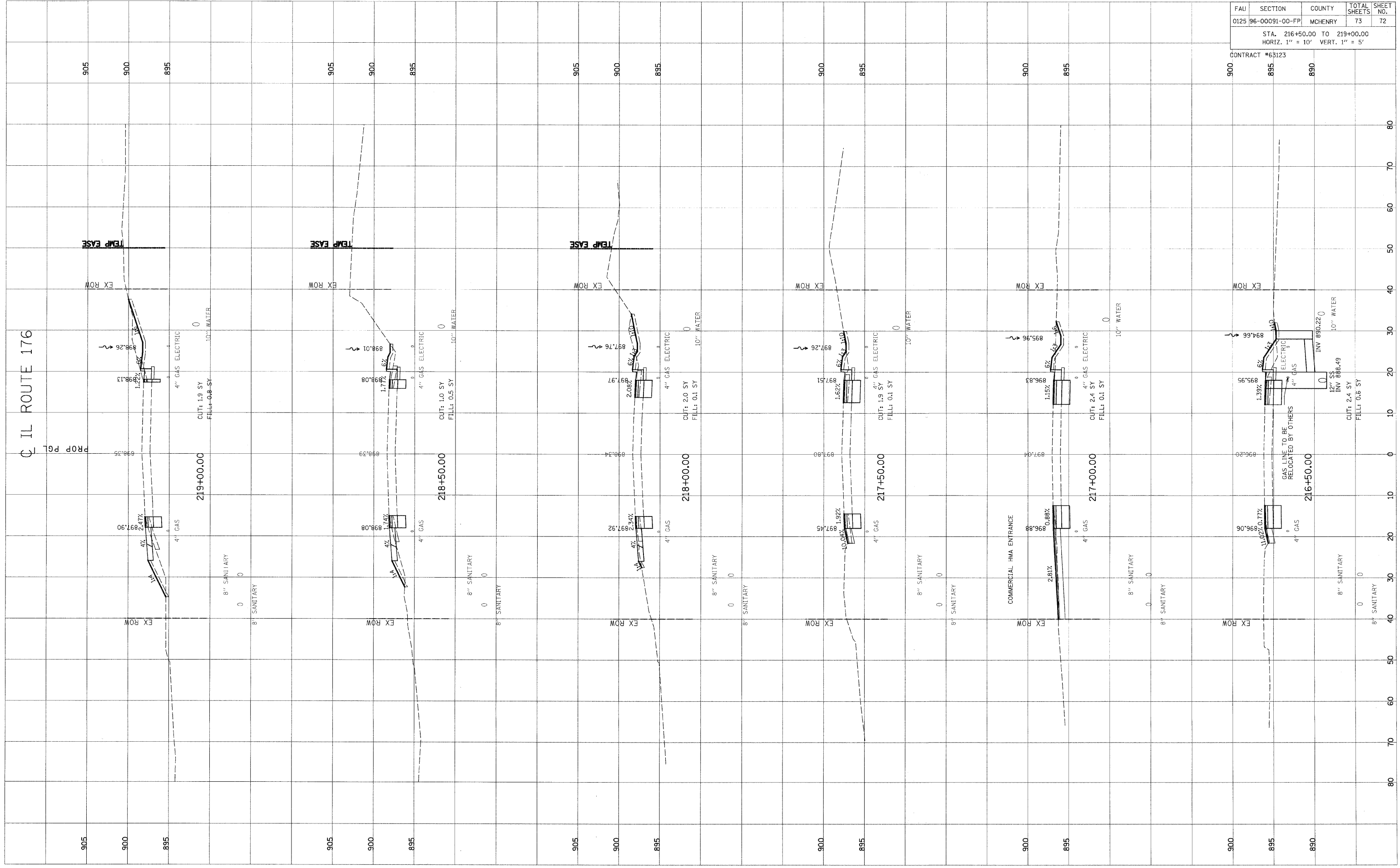
IL ROUTE 176

PROP PGL

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	72

STA. 216+50.00 TO 219+00.00
HORIZ. 1" = 10' VERT. 1" = 5'

CONTRACT #63123



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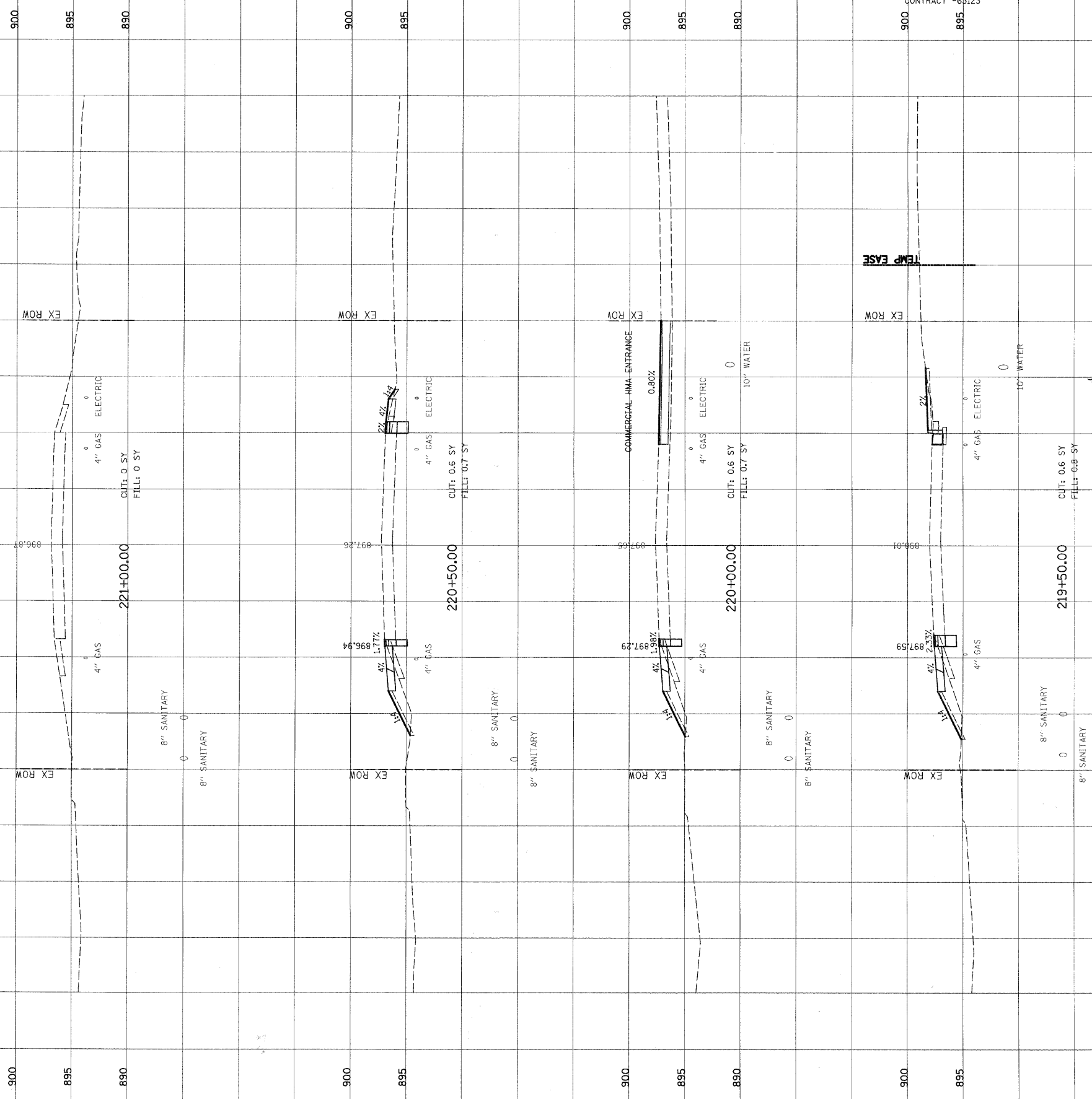
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50
60
70
80

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

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

CL ROUTE 176

PROP PGL



FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0125	96-00091-00-FP	MCHENRY	73	73

STA. 219+50.00 TO 221+00.00
HORIZ. 1" = 10' VERT. 1" = 5'

CONTRACT #68123