

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338/337	2016-051B	LAKE	55	1
		RAMOS	CONTRACT NO. 62D35	

# PROPOSED HIGHWAY PLANS

FAP ROUTE 338/337: IL 59 OVER DITCH AND  
IL 22 OVER CHUNGS CREEK/HONEY LAKE DRAIN  
SECTION 2016-051B  
PROJECT NHPP 6W8E(078)  
CULVERT REPAIR  
LAKE COUNTY  
C-91-002-17



FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED  
WITHIN VILLAGE OF NORTH  
BARRINGTON

**TRAFFIC DATA**

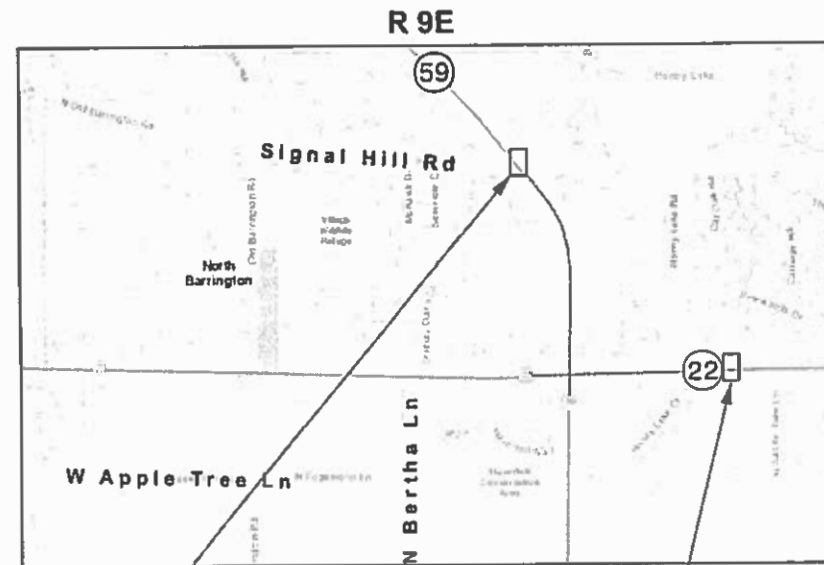
**IL 59:**  
FUNCTIONAL CLASSIFICATION  
OTHER PRINCIPAL ARTERIAL  
ADT (2015) = 16,100  
P.V. = 94% S.U. = 4% M.U. = 2%  
POSTED SPEED LIMIT = 50 MPH

**IL 22:**  
FUNCTIONAL CLASSIFICATION  
OTHER PRINCIPAL ARTERIAL  
ADT (2015) = 19,800  
P.V. = 96% S.U. = 3% M.U. = 1%  
POSTED SPEED LIMIT = 45 MPH

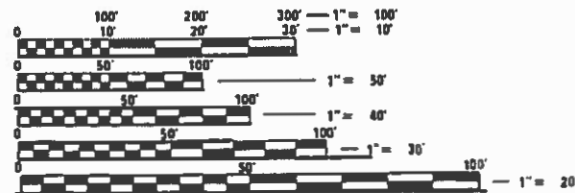


CUBA TOWNSHIP

T 43N



LOCATION MAP  
NOT TO SCALE



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

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

STRUCTURE #049-0510  
PROJECT LOCATION  
STA. 195+12 TO STA. 202+50

STRUCTURE #049-0589  
PROJECT LOCATION  
STA. 97+50 TO STA. 101+38.5

GROSS LENGTH = 1,140 FT. = 0.216 MILE  
NET LENGTH = 1,140 FT. = 0.216 MILE

PROJECT MANAGER: FAWAD AQUEEL, P.E., P.T.O.E. (847) 705-4247  
PROJECT ENGINEER: RAGHAD ADEIS-DAHMAN, P.E., S.E. (847) 705-4237

**CHASTAIN & ASSOCIATES LLC**  
CONSULTING ENGINEERS  
SERVICE | SOLUTIONS | COMMITMENT

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 6, 2018  
Anthony J. Quigley / P.E. REGIONAL ENGINEER  
Oct 5, 2018  
Oct 9, 2018  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 3

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

CONTRACT NO. 62D35

## INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS AND GENERAL NOTES
3-9	SUMMARY OF QUANTITIES
10-11	TYPICAL SECTIONS
12	SCHEDULES OF QUANTITIES
13-14	ALIGNMENT, TIES, AND BENCHMARKS
15-16	REMOVAL PLANS
17-18	PLAN AND PROFILES
19-22	MAINTENANCE OF TRAFFIC - IL RTE. 22
23	EROSION AND SEDIMENT CONTROL PLANS
24	RESTORATION PLANS
25-26	PLAT OF HIGHWAYS
27-31	STRUCTURE PLANS - IL RTE. 22
32-34	STRUCTURE PLANS - IL RTE. 59
35-36	BORING LOGS
37-45	DISTRICT DETAILS
46-55	CROSS SECTIONS

## HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
442201-03	CLASS C AND D PATCHES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602001-02	CATCH BASIN, TYPE A
602011-02	CATCH BASIN, TYPE C 4' (1.22m) DIAMETER
602401-04	PRECAST MANHOLE TYPE A
602601-05	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604001-04	FRAME AND LIDS, TYPE 1
604031-03	GRATE, TYPE 7
604036-03	GRATE, TYPE 8
630001-12	STEEL PLATE BEAM GUARDRAIL
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY FOR SPEED ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701321-17	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701901-07	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

## DISTRICT ONE STANDARDS

STANDARD NO.	DESCRIPTION
BD-32	BUTT JOINT AND HMA TAPER DETAILS
BD-51	BENCHING DETAIL FOR EMBANKMENT WIDENING
BE-805	TEMPORARY LIGHTING AND TRAFFIC SIGNALS FOR SINGLE LANE STAGING
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-11	RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-22	ARTERIAL ROAD INFORMATION SIGN

## COMMITMENTS

TO CONSERVE THE SPECIES, TREES WILL NOT BE CLEARED FROM APRIL 1 THROUGH SEPTEMBER 30. IN ADDITION TO THE DATE RESTRICTION ON TREE CLEARING, IMPACTS TO TREES SHOULD BE MITIGATED IN ACCORDANCE WITH IDOT DEPARTMENTAL POLICY D&E-18 PRESERVATION AND REPLACEMENT OF TREES. WITH THE IMPLEMENTATION OF BOTH CONSERVATION MEASURES, THE PROJECT IS NOT LIKELY TO ADVERSELY AFFECT THE NORTHERN LONG-EARED BAT.

## GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOURS NOTIFICATION REQUIRED)
- NO CONSTRUCTION SHALL BEGIN UNTIL ALL PROPER TEMPORARY SIGNS AND BARRICADES HAVE BEEN INSTALLED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND LAKE COUNTY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S OWN EXPENSE.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION AND SEDIMENT CONTROL (ESC) DURING CONSTRUCTION.
- THE CONTRACTOR SHALL CHECK ALL ESC MEASURES WEEKLY AND AFTER EACH RAINFALL. 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOW MELT.
- ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION.
- SILT FENCE SHOULD ONLY BE USED AS PERIMETER EROSION BARRIER (PEB) IN AREAS WHERE THE WORK AREA IS HIGHER THAN THE ADJACENT PROPERTY. THE USE OF SILT FENCE AT THE TOP OF THE SLOPE/ELEVATIONS HIGHER THAN THE WORK AREA SHOULD ALWAYS BE AVOIDED.
- THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR.
- WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN. FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH CONSTRUCTION. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL AREAS AFFECTED BY EQUIPMENT OR LABORERS TO EXISTING CONDITIONS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR PROTECTING ALL NEW WORK UNTIL COMPLETION OF THIS CONTRACT.
- DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THE CONTRACTOR'S FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OF UNSUITABLE MATERIALS CREATED AS A RESULT THEREOF.
- ALL EXCESS MATERIAL (BROKEN CONCRETE, CULVERT PIPE, WASTE ROADWAY EXCAVATION, SURPLUS MATERIAL FROM SEWER TRENCHES, ETC.) SHALL BE LEGALLY DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SELECT DUMP SITES AND OBTAIN PERMISSION AND ALL NECESSARY PERMITS TO USE SUCH DUMP SITES.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- ROW IS BASED ON CENTER OF ROADWAY. A DETAILED ROW SURVEY WAS NOT PERFORMED. ROW SHOULD BE VERIFIED BEFORE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION OF ALL EMERGENCY SERVICES, SCHOOL DISTRICTS, IDOT'S COMMUNICATION CENTER, SPRINGFIELD TRUCK PERMIT SECTION, AND OTHER AGENCIES AFFECTED BY THE CLOSURE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR POSTING SIGNS THAT WILL INDICATE THE DATES THE CLOSURE WILL BE IN PLACE.
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- TRENCH BACKFILL SHALL BE USED TO BACKFILL ALL TRENCHES WHERE THE EDGE OF THE TRENCH IS WITHIN 2 FEET OF THE PROPOSED EDGE OF PAVEMENT, CURB, CURB AND GUTTER OR SIDEWALK (BIKE PATH).
- STATIONING FOR ALL DRAINAGE STRUCTURES ARE GIVEN TO THE CENTER OF THE DRAINAGE STRUCTURE. OFFSETS FOR CURB LINE INLETS AND CATCH BASINS ARE GIVEN TO THE EDGE OF PAVEMENT. OFFSETS FOR ALL OTHER DRAINAGE STRUCTURES ARE GIVEN TO THE CENTER OF THE STRUCTURE. THE CONTRACTOR SHALL TAKE CARE TO ENSURE THAT ALL CURB LINE DRAINAGE STRUCTURES ARE PROPERLY ALIGNED WITH THE PROPOSED CURB & GUTTER.
- THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, AREA TRAFFIC FIELD ENGINEER, VIA EMAIL AT WALTER.CZARNY@ILLINOIS.GOV AT LEAST TWO (2) WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS.
- DE-ENERGIZING COMED'S DISTRIBUTION LINES (12 KV) MAY BE NECESSARY IN ORDER TO ACCOMMODATE THE CONTRACTOR'S EQUIPMENT. CALL 1-800-EDISON1.
- THE IL 22 PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. ALL CONDITIONS OF THE 404 PERMIT, FOUND IN THE SPECIAL PROVISIONS, MUST BE FOLLOWED. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN (INCLUDING WORK WITHIN WETLANDS) TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES (INCLUDING WORK WITHIN WETLANDS) CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN (INCLUDING WORK WITHIN WETLANDS) WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

MODEL: Default  
FILE NAME: I:\P\IDOT\6588.PTB 131\_006\Work Order #6 IL59 22 @ District\CADD Sheets\ID162D35-sht-genote.dgn



USER NAME = dwozniarski	DESIGNED - JKP	REVISED -
	DRAWN - DMW	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - SPF	REVISED -
PLOT DATE = 8/17/2018	DATE - 07-13-2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 59 OVER DITCH AND IL 22 OVER CHUNGS CREEK/HONEY LAKE DRAIN  
INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2016-051B	LAKE	55	2
CONTRACT NO. 62D35				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				NHPP FUNDS			
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
				ROADWAY 0004	STRUCTURE 0004	ROADWAY 0004	STRUCTURE 0004
				IL RTE. 22	IL RTE. 22	IL RTE. 59	IL RTE. 59
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	107	56		51	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	20	20			
20101100	TREE TRUNK PROTECTION	EACH	10	8		2	
20200100	EARTH EXCAVATION	CU YD	215	38		177	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	367	85		282	
20400800	FURNISHED EXCAVATION	CU YD	91	90		1	
20700220	POROUS GRANULAR EMBANKMENT	CU YD	93	3		90	
20800150	TRENCH BACKFILL	CU YD	352			352	
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	818	219		599	
25000210	SEEDING, CLASS 2A	ACRE	0.84	0.08		0.76	
25000310	SEEDING, CLASS 4	ACRE	0.21	0.21			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	91	24		67	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	91	24		67	
25100630	EROSION CONTROL BLANKET	SQ YD	4904	1309		3595	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	202	54		148	

\* = SPECIALTY ITEMS

MODEL: Default  
FILE NAME: U:\4411\share\p\DOT16598 RTB.181.DWG\Work Order #6 1159 22 @ Ditches\CADD\_Sheets\162035-shr-5001.dgn



USER NAME = jjang	DESIGNED - JKP	REVISED -
	DRAWN - DMW	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - SPF	REVISED -
PLOT DATE = 8/17/2018	DATE - 07-13-2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 59 OVER DITCH AND IL 22 OVER CHUNGS CREEK/HONEY LAKE DRAIN  
SUMMARY OF QUANTITIES

SCALE: N/A SHEET 1 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2016-051B	LAKE	55	3
CONTRACT NO. 62D35			ILLINOIS FED. AID PROJECT	











CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				NHPP FUNDS			
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
				ROADWAY	STRUCTURE	ROADWAY	STRUCTURE
0004	0004	0004	0004				
IL RTE. 22	IL RTE. 22	IL RTE. 59	IL RTE. 59				
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4			
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5346	4200		1146	
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1652	1652			
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	96	96			
78100300	REPLACEMENT REFLECTOR	EACH	52	52			
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	6	6			
78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	100	100			
* 89000050	TEMPORARY BRIDGE TRAFFIC SIGNAL INSTALLATION	EACH	1	1			
X0323660	DROP BOX NO.1	EACH	1				1
X0323661	DROP BOX NO.2	EACH	1				1
* X0326276	TEMPORARY LIGHTING FOR SINGLE LANE STAGING	L SUM	1	1			
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1782	1400		382	
X2010400	STUMP REMOVAL ONLY	UNIT	136	136			
X5430100	INSERTION CULVERT LINER (SPECIAL)	FOOT	44				44
X5509900	ABANDON AND FILL EXISTING STORM SEWER	FOOT	52			52	

\* = SPECIALTY ITEMS

MODEL: Default  
FILE NAME: C:\Users\jchaffin\OneDrive\Documents\16163035-sh-5006.dgn



USER NAME = dwozniarski	DESIGNED - JKP	REVISED -
	DRAWN - DMW	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - SPF	REVISED -
PLOT DATE = 8/17/2018	DATE - 07-13-2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION


IL 59 OVER DITCH AND IL 22 OVER CHUNGS CREEK/HONEY LAKE DRAIN  
SUMMARY OF QUANTITIES

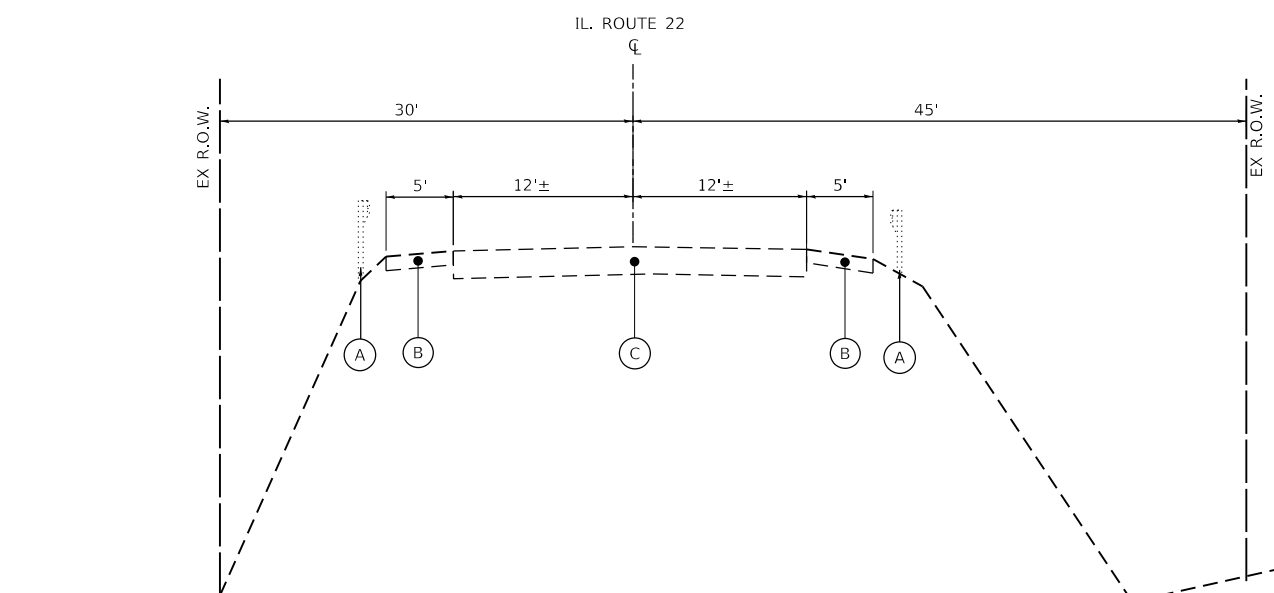
SCALE: N/A SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2016-051B	LAKE	55	8
CONTRACT NO. 62D35			ILLINOIS FED. AID PROJECT	



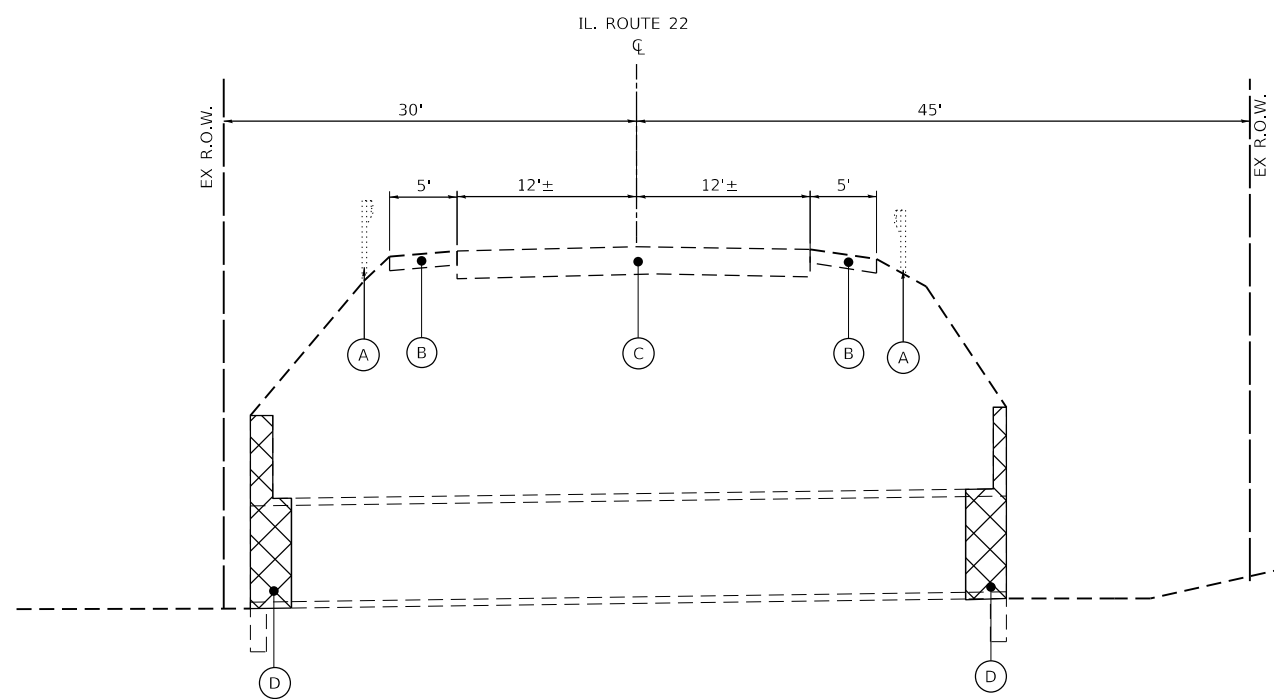
**EXISTING LEGEND**

- (A) STEEL PLATE BEAM GUARDRAIL
- (B) AGGREGATE SHOULDER
- (C) BITUMINOUS PAVEMENT
- (D) CONCRETE CULVERT HEADWALL
-  REMOVAL ITEM



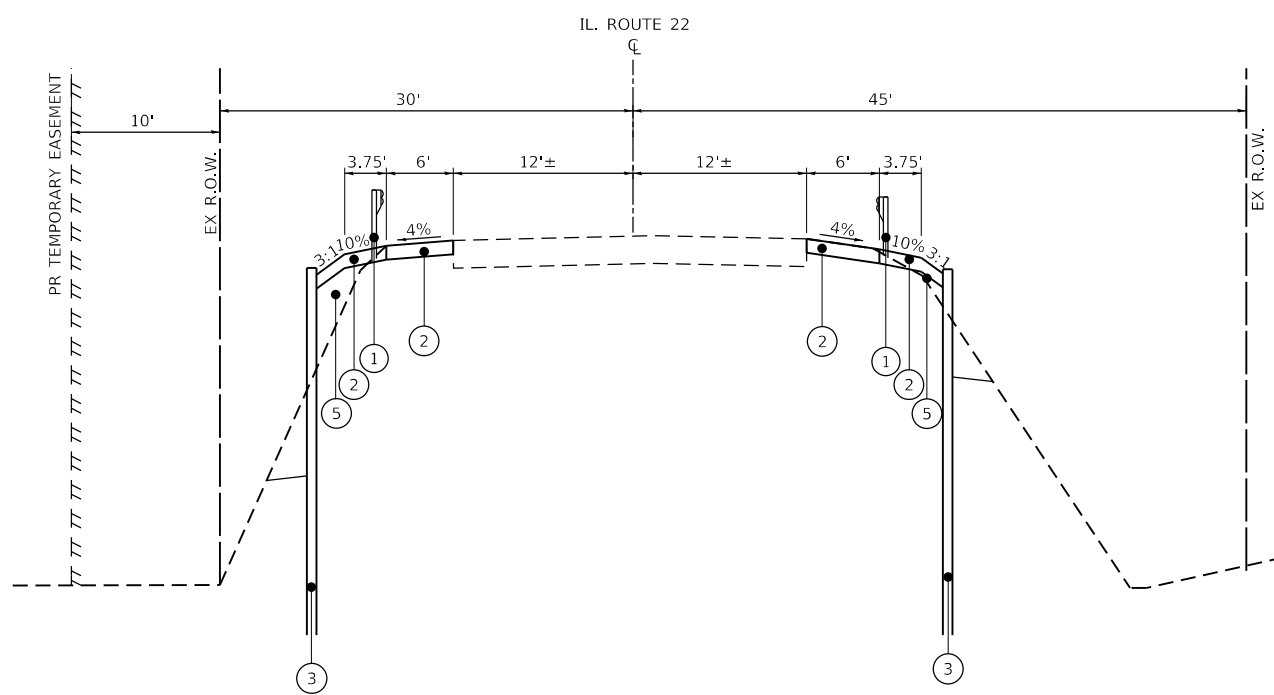
**IL 22  
EXISTING TYPICAL SECTION**

STA 97+50 TO STA 99+81  
STA 100+20 TO STA 101+38.5



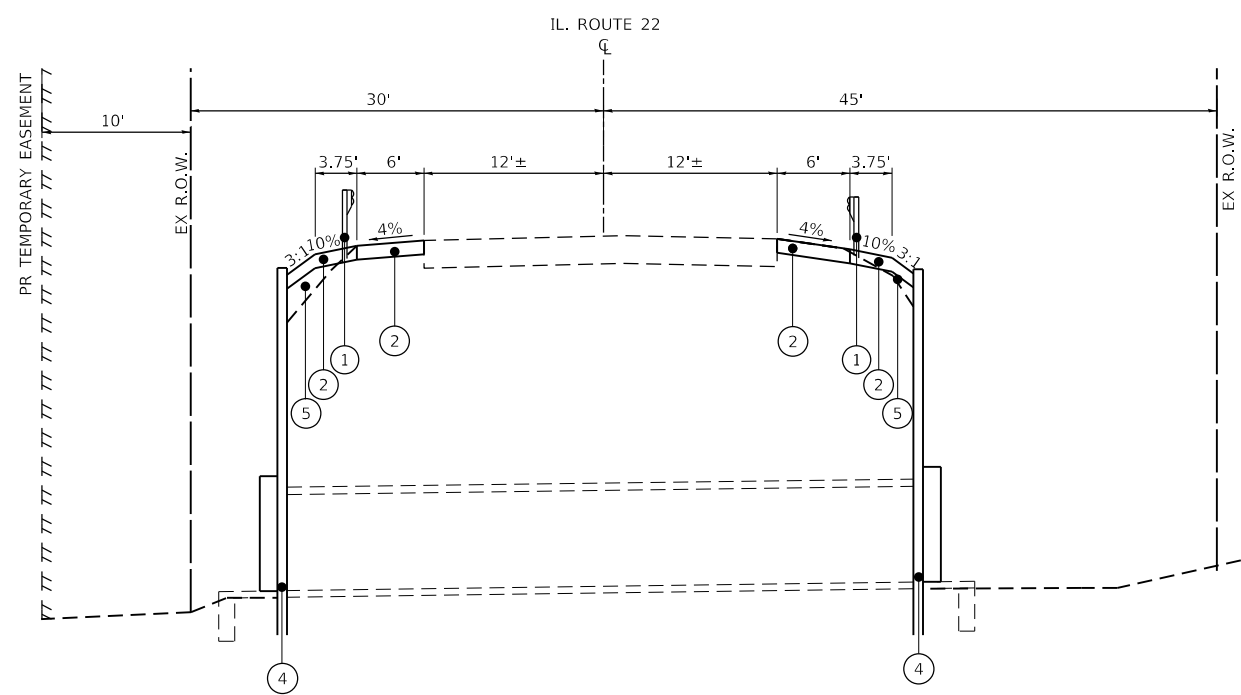
**IL 22  
EXISTING CULVERT SECTION**

STA 99+81 TO STA 100+20



**IL 22  
PROPOSED TYPICAL SECTION**

STA 97+50 TO STA 99+81  
STA 100+20 TO STA 101+38.5



**IL 22  
PROPOSED CULVERT SECTION**

STA 99+81 TO STA 100+20

**PROPOSED LEGEND**

- (1) STEEL PLATE BEAM GUARDRAIL
- (2) AGGREGATE SHOULDER, TYPE B, 6"
- (3) PERMANENT SHEET PILING
- (4) SOLDIER PILE WALL STRUCTURE
- (5) EMBANKMENT

MODEL: Default  
 FILE NAME: I:\Rural\_IDOT\6588\_PTB 181\_006\Work Order #6 IL59 22 @ D:\chastain\CADD\_Sheets\162035-shc-typical\IL22.dgn



USER NAME = dwozniarski	DESIGNED - JKP	REVISED -
PLOT SCALE = 60.0000' / in.	DRAWN - DMW	REVISED -
PLOT DATE = 8/17/2018	CHECKED - SPF	REVISED -
	DATE - 07-13-2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 22 OVER CHUNGS CREEK/HONEY LAKE DRAIN  
TYPICAL SECTIONS - IL RTE. 22

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

\* 338/337

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	2016-051B	LAKE	55	10
CONTRACT NO. 62D35				
ILLINOIS		FED. AID PROJECT		

**EXISTING LEGEND**

- (A) STEEL PLATE BEAM GUARDRAIL
- (B) HMA SHOULDER
- (C) HMA PAVEMENT
- (D) AGGREGATE SHOULDER
- (E) 12" STORM SEWER
- (F) 6"W X 7"H CULVERT

**MIXTURES TABLE**

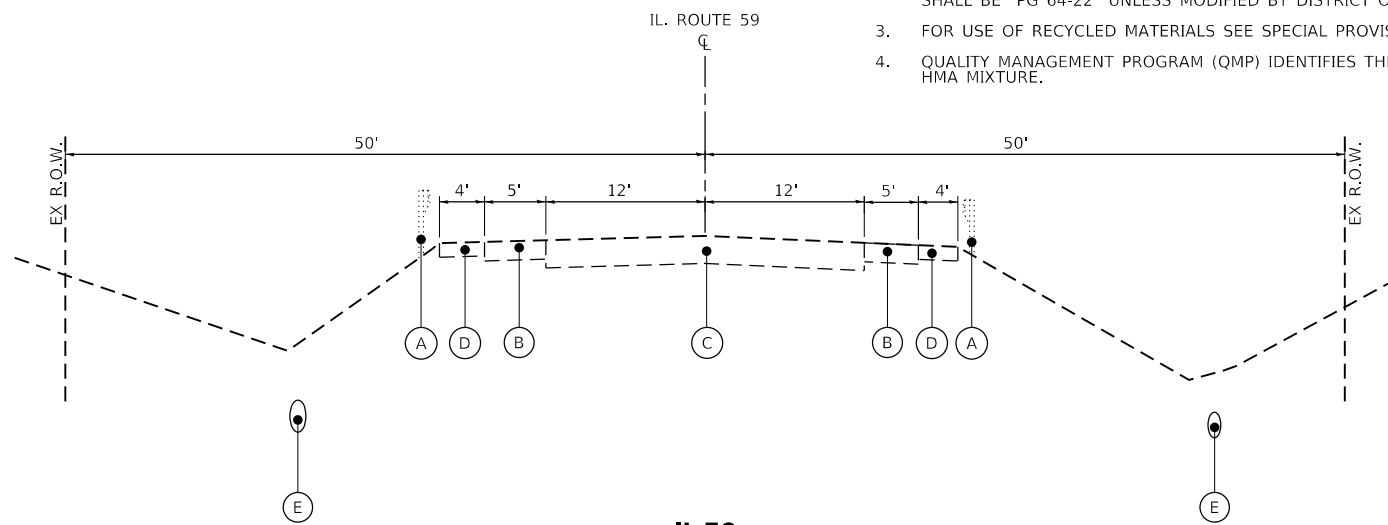
HOT-MIX ASPHALT MIXTURE REQUIREMENTS		AIR VOIDS @ NDES	QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE			
<b>PAVEMENT RESURFACING</b>			
HMA SURFACE COURSE, MIX "D", N70, (IL-9.5mm), 2"		4% @ 70 GYR.	QC/QA
<b>CLASS D PATCHES</b>			
HMA BINDER, IL-19.0, 12"		4% @ 70 GYR.	QC/QA
<b>HMA SHOULDER 8"</b>			
HMA SURFACE COURSE, MIX "D", N70, (IL-9.5mm), 2"		4% @ 70 GYR.	QC/QA
HMA SHOULDER (HMA BINDER IL-19mm), 6"		4% @ 70 GYR.	QC/QA
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)			

**NOTES:**

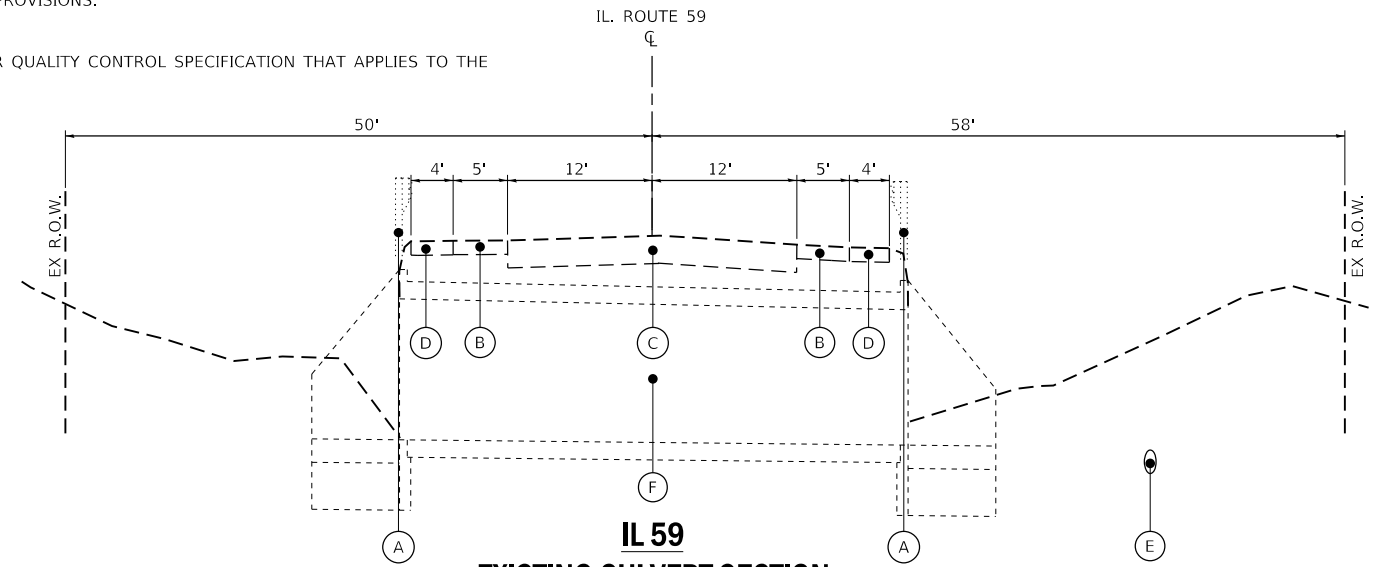
- THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
- FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
- QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

**PROPOSED LEGEND**

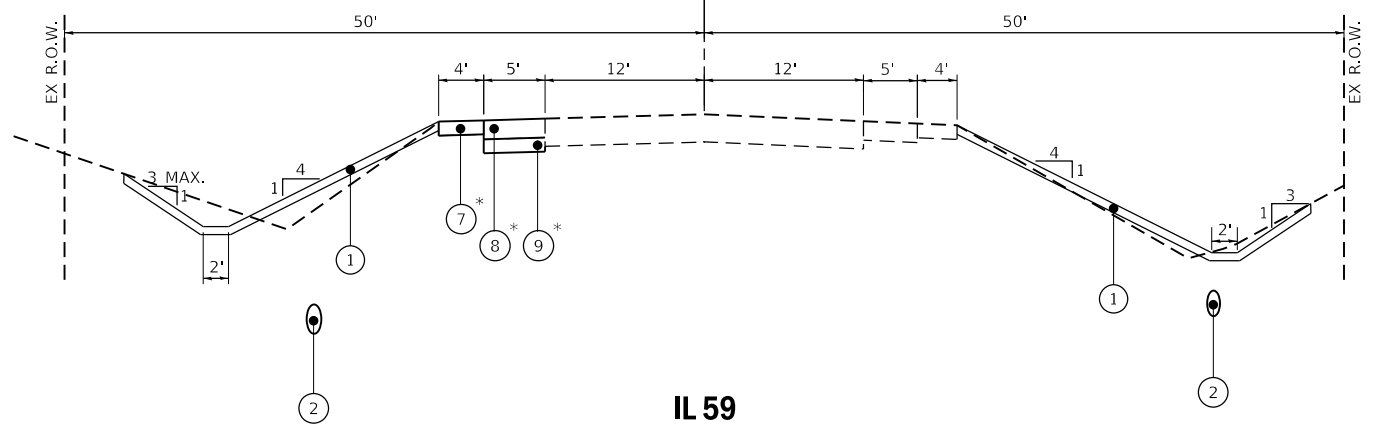
- (1) TOPSOIL, 6"
- (2) STORM SEWER, CLASS A, TYPE 2 (12", 15" OR 24")
- (3) INSERTION CULVERT LINER, 48"
- (4) STORM SEWER, CLASS 4, TYPE 2, 48"
- (5) CULVERT DROP BOX
- (6) EXISTING CULVERT HEADWALL REMOVAL
- (7) AGGREGATE SHOULDERS, TYPE B 6"
- (8) HOT-MIX ASPHALT SHOULDERS, 8"
- (9) AGGREGATE BASE COURSE, TYPE B, 6"



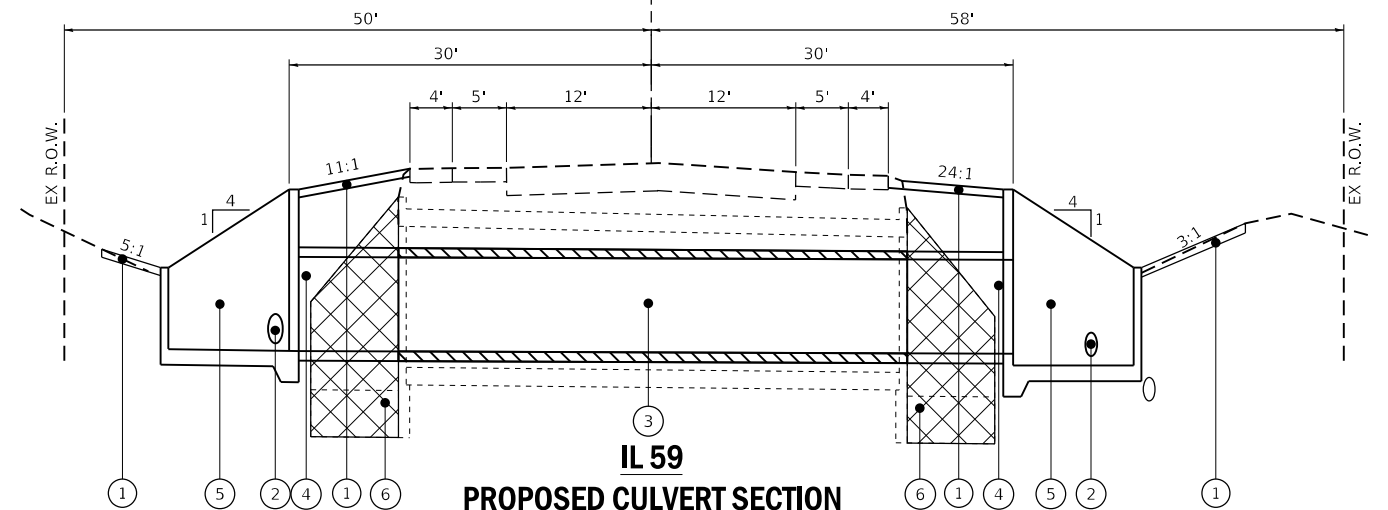
**IL 59  
EXISTING TYPICAL SECTION**  
STA 195+12 TO 203+00  
IL. ROUTE 59



**IL 59  
EXISTING CULVERT SECTION**  
STA 198+85.32  
IL. ROUTE 59



**IL 59  
PROPOSED TYPICAL SECTION**  
\*STA 195+12 TO 199+50  
STA 195+12 TO 202+50



**IL 59  
PROPOSED CULVERT SECTION**  
STA 198+85.32

MODEL: Default; FILE NAME: I:\Work\DOT\16588\_PTB 181\_006\Work Order #6 IL59\_22 @ District\CADD Sheets\162D35-struct\typical\IL59.dgn



USER NAME = dwozniarski	DESIGNED - JKP	REVISED -
PLOT SCALE = 60.0000' / in.	DRAWN - DMW	REVISED -
PLOT DATE = 8/17/2018	CHECKED - SPF	REVISED -
	DATE - 07-13-2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 OVER DITCH  
TYPICAL SECTIONS - IL RTE. 59**

SCALE: NONE SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	2016-051B	LAKE	55	11
CONTRACT NO. 62D35				
ILLINOIS FED. AID PROJECT				

MODEL: Default  
 FILE NAME: I:\Work\DOT\16588\_PTB 181\_006\Work Order #6 IL59 22 @ Ditch\CAADD\_Sheets\162D35-11-Schedule.dgn



USER NAME = dwozniarski	DESIGNED - JKP	REVISED -
	DRAWN - DMW	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - SPF	REVISED -
PLOT DATE = 8/17/2018	DATE - 07-13-2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL 59 OVER DITCH AND IL 22 OVER CHUNGS CREEK/HONEY LAKE DRAIN  
 SCHEDULE OF QUANTITIES**

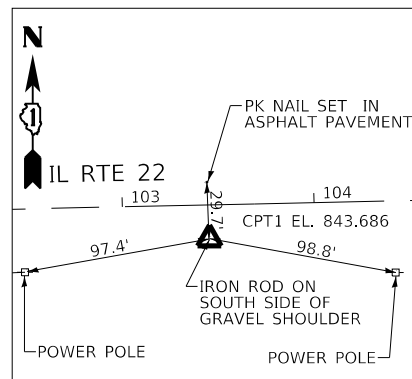
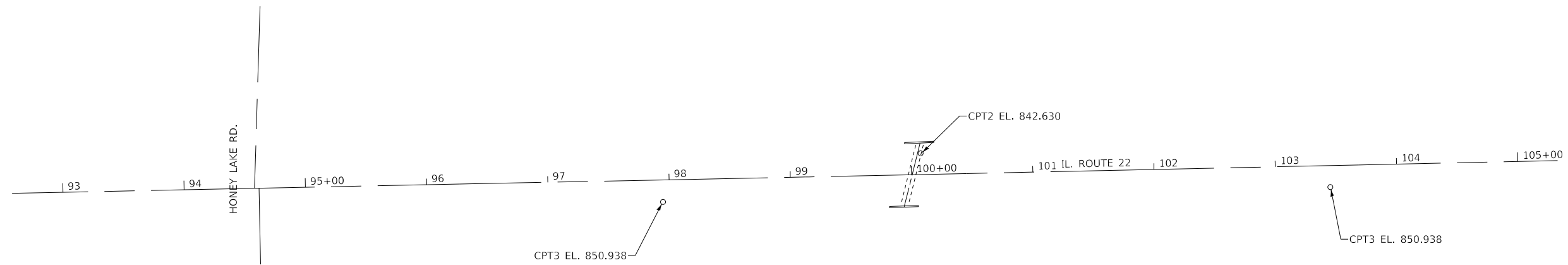
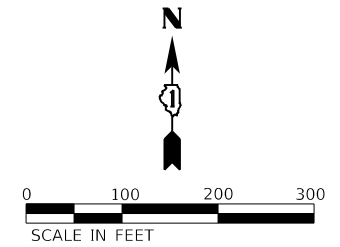
SCALE: N/A      SHEET 1 OF 1 SHEETS      STA.      TO STA.

F.A.P. RTE. 338	SECTION 2016-051B	COUNTY LAKE	TOTAL SHEETS 55	SHEET NO. 12
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62D35	

SUMMARY OF EARTHWORK							
LOCATION	CONSTRUCTION STAGE	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%) (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE (+) or SHORTAGE (-)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	FURNISHED EXCAVATION (CU YD)
IL 22	I	22.0	16.0	63.0	-47.0	46.0	47.0
IL 22	II	16.0	12.0	55.0	-43.0	39.0	43.0
IL 59	FINAL	177.0	133.0	134.0	-1.0	282.0	1.0
		215.0	161.0	252.0	-91.0	367.0	91.0

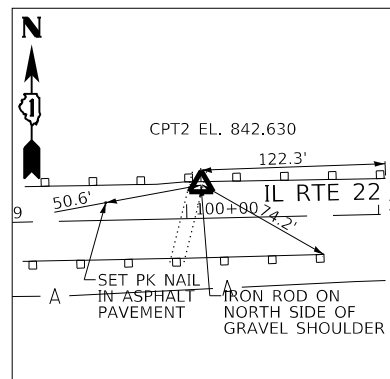


ALIGNMENT COORDINATES - IL RTE 22			
Point	Station	North	East
POT	94+58.08	2012058.9176	1039180.6737
PI	100+00.00	2012070.0772	1039722.4835
POT	105+32.96	2012081.7970	1040255.3123



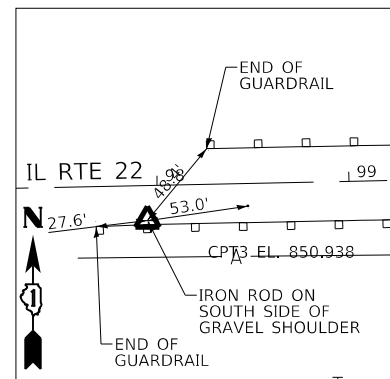
**CONTROL POINT #1**  
IRON ROD ON SOUTH SIDE  
5.6' SOUTH OF E.O.P.

STA 103+45.01, 17.72' RT IL RTE. 22  
N. 2012059.9452  
E. 1040067.7970  
ELEV. 843.686



**CONTROL POINT #2**  
IRON ROD ON SOUTH SIDE  
BETWEEN GUARDRAIL AND E.O.P.

STA 100+07.88, 17.48' LT IL RTE. 22  
N. 2012087.7268  
E. 1039729.9748  
ELEV. 842.630



**CONTROL POINT #3**  
IRON ROD ON SOUTH SIDE  
BETWEEN GUARDRAIL AND E.O.P.

STA 97+94.58, 18.18' RT IL RTE. 22  
N. 2012047.6669  
E. 1039517.4808  
ELEV. 850.938

**BENCHMARK "D"**  
ELEV. 850.86

MAG NAIL WITH RIBBON IN  
WOODEN GUEARD RAIL POST  
NORTH SIDE IL 22 ±160' WEST  
OF 6'x4' BOX CULVERT ±1600'  
EAST OF IL 59

**BENCHMARK "E"**  
ELEV. 844.24

MAG NAIL WITH RIBBON IN  
WOODEN GUEARD RAIL POST  
NORTH SIDE IL 22 ±115' EAAS  
OF 6'x4' BOX CULVERT ±1900'  
EAST OF IL 59

**BENCHMARK "F"**  
ELEV. 833.49

" □ " CUT IN CENTER OF 3' HEADWALL  
SOUTH SIDE IL 22 ±25' SOUTH OF  
6'x4' BOX CULVERT THAT IS ±1800'  
EAST OF IL 59

MODEL: Default  
FILE NAME: I:\Rural\DOT16588\_PTB 181\_006\Work Order #6 IL59 22 @ D:\chastain\CADD Sheets\162025-shc-atb-il22.dgn



USER NAME = dwozniarski	DESIGNED - JKP	REVISED -
PLOT SCALE = 200.0000' / in.	DRAWN - DMW	REVISED -
PLOT DATE = 8/17/2018	CHECKED - SPF	REVISED -
	DATE - 07-13-2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 22 OVER CHUNGS CREEK/HONEY LAKE DRAIN  
ALIGNMENT, TIES AND BENCHMARKS-IL RTE. 22

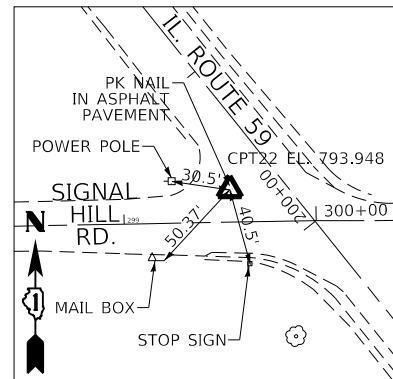
SCALE: 1" = 100' SHEET 1 OF 2 SHEETS STA. TO STA.

\* 338/337

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	2016-051B	LAKE	55	13
CONTRACT NO. 62D35				
ILLINOIS FED. AID PROJECT				

ALIGNMENT COORDINATES - IL RTE 59			
Point	Station	North	East
POT	181+46.71	2013000.5684	1037893.3071
PI	189+83.72	2013837.4729	1037906.6337
PT	194+67.35	2014247.6381	1037577.3417
PC	205+00.50	2015053.2823	1036930.5482
PI	210+63.35	2015492.1917	1036578.1796
PT	216+23.97	2015871.7155	1036162.5273
POT	217+48.06	2015955.3837	1036070.8943

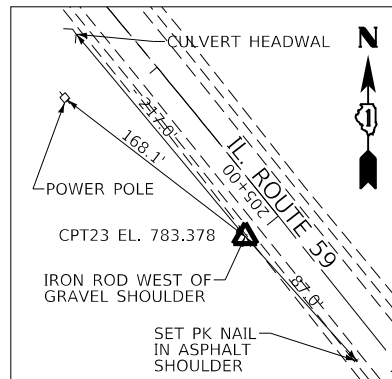
ALIGNMENT COORDINATES - SIGNAL HILL ROAD			
Point	Station	North	East
PI	300+00.00	2014663.3979	1037244.3961
POT	294+56.07	2014653.2550	1036700.5566
POT	305+30.65	2014663.9217	1037775.0411



**CONTROL POINT #22**

PK NAIL IN ASPHALT PAVEMENT.  
24.4' WEST OF E.O.P.

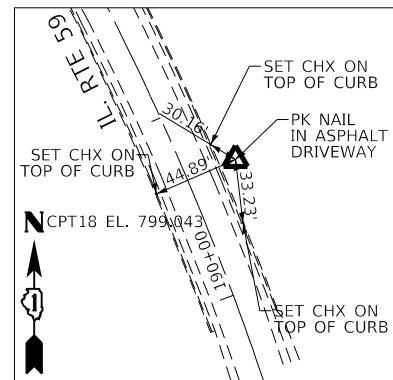
STA 299+55.43, 17' LT SIGNAL HILL ROAD  
N. 2014679.5591  
E. 1037199.5126  
ELEV. 793.938



**CONTROL POINT #23**

IRON ROD ON S.W. SIDE  
IL RTE 59 GRAVEL SHOULDER

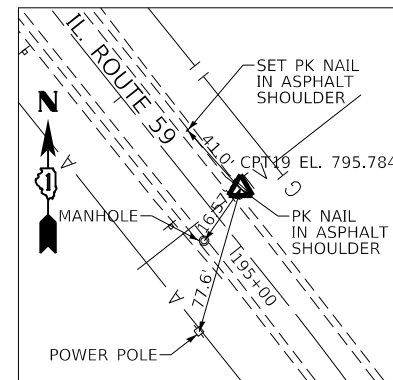
STA 205+02.42, 20.19' LT IL RTE. 59  
N. 2015042.1353  
E. 1036913.6017  
ELEV. 783.378



**CONTROL POINT #18**

PK NAIL IN PRIVATE ENT.  
14.7' EAST OF E.O.P.

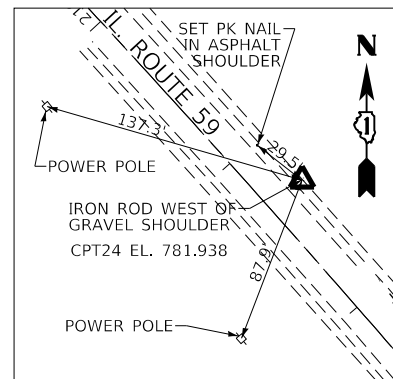
STA 190+64.68, 27.14' RT IL RTE. 59  
N. 2013913.6078  
E. 1037808.1451  
ELEV. 799.043



**CONTROL POINT #19**

PK NAIL IN ASPHALT SHOULDER.  
6.4' EAST OF E.O.P.

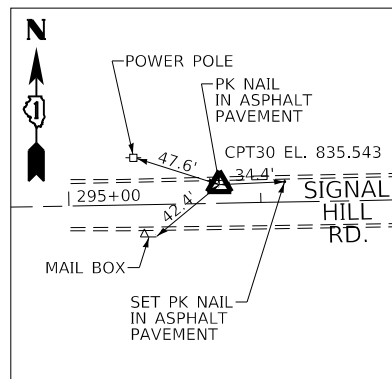
STA 195+23.72, 18.50' RT IL RTE. 59  
N. 2014303.1741  
E. 1037556.4741  
ELEV. 795.784



**CONTROL POINT #24**

IRON ROD ON N.E. SIDE  
IL RTE 59 GRAVEL SHOULDER

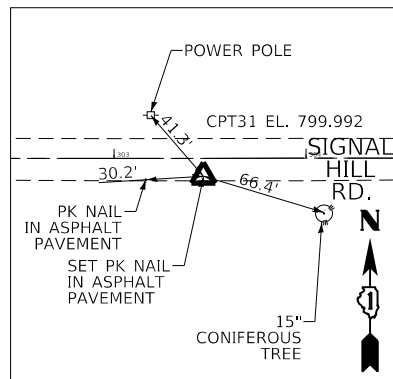
STA 208+68.58, 22.31' RT IL RTE. 59  
N. 2015349.1889  
E. 1036709.6234  
ELEV. 781.938



**CONTROL POINT #30**

PK NAIL IN ASPHALT PAVEMENT.  
2.1' SOUTH OF E.O.P.

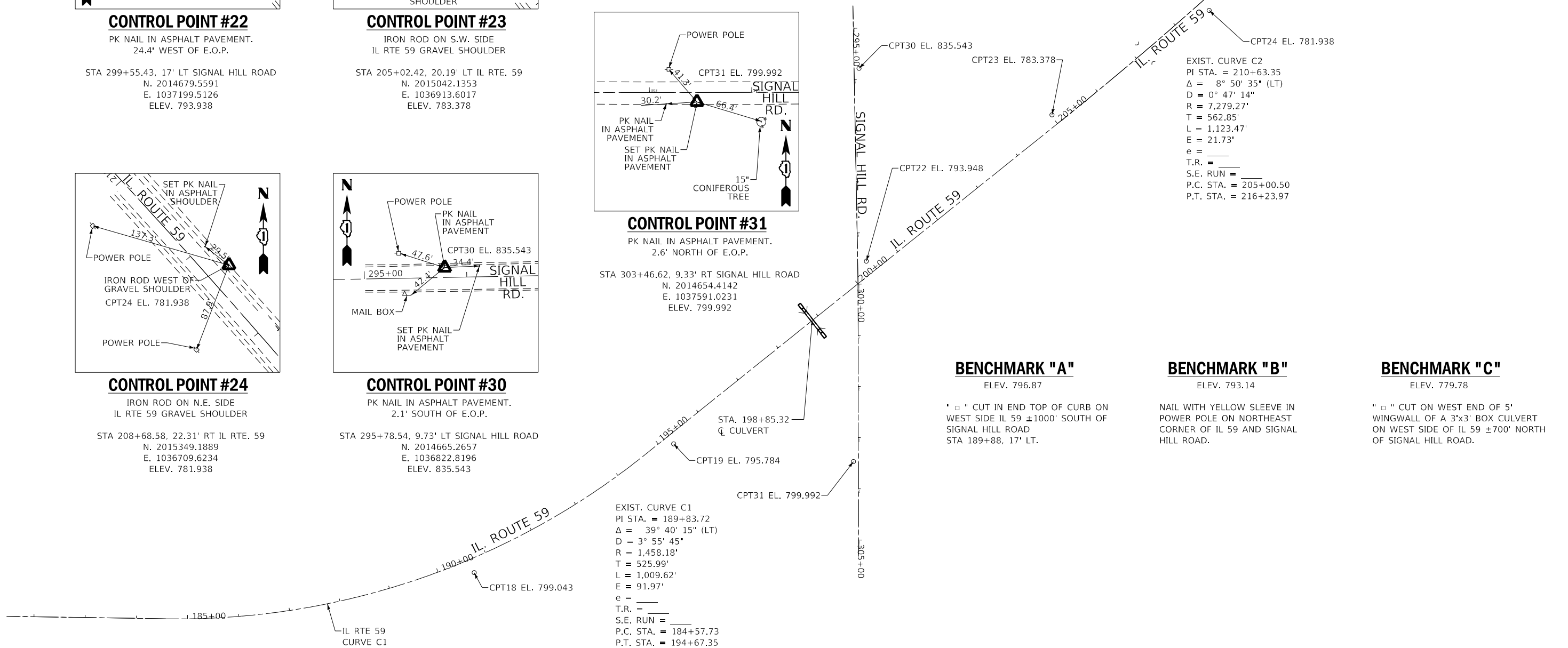
STA 295+78.54, 9.73' LT SIGNAL HILL ROAD  
N. 2014665.2657  
E. 1036822.8196  
ELEV. 835.543



**CONTROL POINT #31**

PK NAIL IN ASPHALT PAVEMENT.  
2.6' NORTH OF E.O.P.

STA 303+46.62, 9.33' RT SIGNAL HILL ROAD  
N. 2014654.4142  
E. 1037591.0231  
ELEV. 799.992



EXIST. CURVE C1  
PI STA. = 189+83.72  
 $\Delta = 39^\circ 40' 15''$  (LT)  
D =  $3^\circ 55' 45''$   
R = 1,458.18'  
T = 525.99'  
L = 1,009.62'  
E = 91.97'  
e = \_\_\_\_\_  
T.R. = \_\_\_\_\_  
S.E. RUN = \_\_\_\_\_  
P.C. STA. = 184+57.73  
P.T. STA. = 194+67.35

EXIST. CURVE C2  
PI STA. = 210+63.35  
 $\Delta = 8^\circ 50' 35''$  (LT)  
D =  $0^\circ 47' 14''$   
R = 7,279.27'  
T = 562.85'  
L = 1,123.47'  
E = 21.73'  
e = \_\_\_\_\_  
T.R. = \_\_\_\_\_  
S.E. RUN = \_\_\_\_\_  
P.C. STA. = 205+00.50  
P.T. STA. = 216+23.97

**BENCHMARK "A"**

ELEV. 796.87

" □ " CUT IN END TOP OF CURB ON  
WEST SIDE IL 59 ±1000' SOUTH OF  
SIGNAL HILL ROAD  
STA 189+88, 17' LT.

**BENCHMARK "B"**

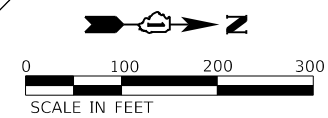
ELEV. 793.14

NAIL WITH YELLOW SLEEVE IN  
POWER POLE ON NORTHEAST  
CORNER OF IL 59 AND SIGNAL  
HILL ROAD.

**BENCHMARK "C"**

ELEV. 779.78

" □ " CUT ON WEST END OF 5'  
WINGWALL OF A 3'x3' BOX CULVERT  
ON WEST SIDE OF IL 59 ±700' NORTH  
OF SIGNAL HILL ROAD.



MODEL: Default; FILE NAME: I:\006\Work Order #6 IL59\_22 @ D:\chastain\006\225-rt-atr-il59.dwg



USER NAME = dwozniarski	DESIGNED - JKP	REVISED -
PLOT SCALE = 200.0000' / in.	DRAWN - DMW	REVISED -
PLOT DATE = 8/17/2018	CHECKED - SPF	REVISED -
	DATE - 07-13-2018	REVISED -

DESIGNED - JKP	REVISED -
DRAWN - DMW	REVISED -
CHECKED - SPF	REVISED -
DATE - 07-13-2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

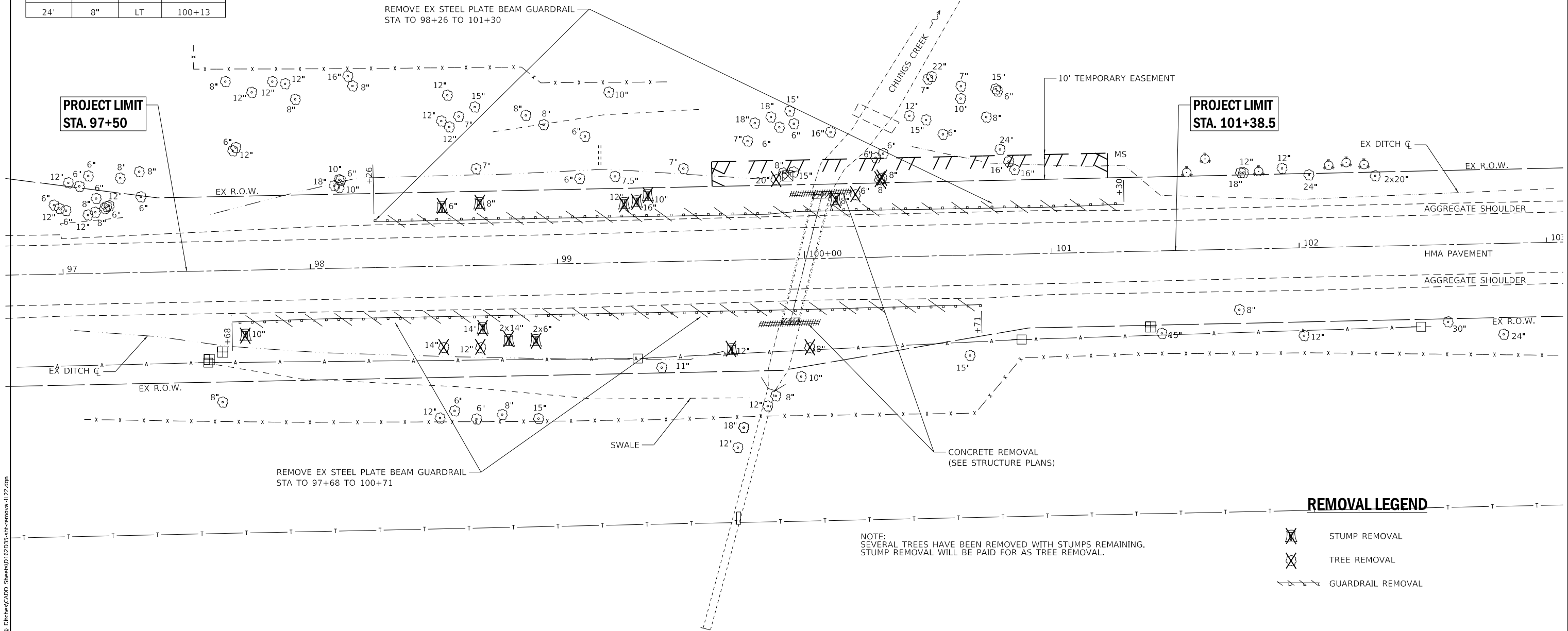
IL 59 OVER DITCH  
ALIGNMENT, TIES AND BENCHMARKS - IL RTE. 59

SCALE: 1" = 100' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	2016-051B	LAKE	55	14
CONTRACT NO. 62D35				
ILLINOIS FED. AID PROJECT				

STUMP REMOVAL SCHEDULE			
OFFSET	TREE SIZE	OFFSET	STATION
26'	10"	RT	97+73
24'	6"	LT	98+54
25'	8"	LT	98+69
25'	14"	RT	98+69
30'	2X14"	RT	98+80
31'	2X6"	RT	98+91
24'	12"	LT	99+29
24'	16"	LT	99+32
27'	10"	LT	99+37
36'	12"	RT	99+69
24'	8"	LT	100+13

TREE REMOVAL SCHEDULE			
STATION	OFFSET	OFFSET	TREE SIZE
98+53	33'	RT	14"
98+68	34'	RT	12"
99+89	33'	LT	20"
100+01	36'	RT	8"
100+21	26'	LT	6"
100+30	32'	LT	8"
100+32	32'	LT	8"



**REMOVAL LEGEND**

- STUMP REMOVAL
- TREE REMOVAL
- GUARDRAIL REMOVAL

NOTE:  
SEVERAL TREES HAVE BEEN REMOVED WITH STUMPS REMAINING.  
STUMP REMOVAL WILL BE PAID FOR AS TREE REMOVAL.



MODEL: Default  
FILE NAME: H:\P\DOT\6388 PTB 181\_006\Work Order #6\_IL99\_22 @ Ditches\CADD\_Sheets\162\337-shr-removal-IL22.dgn

**CHASTAIN & ASSOCIATES LLC**  
CONSULTING ENGINEERS  
184-001397

USER NAME = dwozniarski	DESIGNED - JKP	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - DMW	REVISED -
PLOT DATE = 8/17/2018	CHECKED - SPF	REVISED -
	DATE - 07-13-2018	REVISED -









STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 22 OVER CHUNGS CREEK/HONEY LAKE DRAIN  
REMOVAL PLAN - IL RTE. 22

SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. 95+00 TO STA. 105+00

* 338/337				
F.A.P. RTE. 337	SECTION 2016-051B	COUNTY LAKE	TOTAL SHEETS 55	SHEET NO. 15
			CONTRACT NO. 62D35	
ILLINOIS FED. AID PROJECT				

**EXISTING SIGN LEGEND**




(A)  W1-2R 36" X 36"	(C)  R1-1 36" X 36"	(E)*  R12-4 36" X 24"	(G)  W11-3 36" X 36"
(B)  XX-XX 36" X 36"	(D)  R2-1 30" X 36"	(F)  D3-1 VARIES X 12"	 W7-3A 18" X 24"

NOTE: PROTECT ALL TRAFFIC SIGNS WITHIN THE LIMITS OF CONSTRUCTION IN ACCORDANCE WITH ARTICLE 107.25.





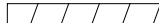
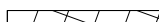
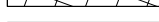
\* SIGN SHALL BE PROTECTED AND REMAIN VISIBLE AT ALL TIMES.

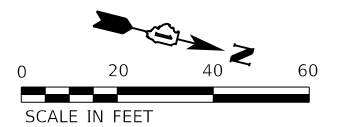
TREE REMOVAL SCHEDULE			
STATION	OFFSET	OFFSET (LT/RT)	TREE SIZE
197+66	45'	LT	10.5"
198+74	41'	LT	6"
198+76	51'	RT	6.5"
199+03	66'	RT	7"
199+09	61'	RT	7"
199+59	45'	LT	7"
201+91	38'	RT	7"

**UTILITY LEGEND**

-  TELEPHONE SPLICE BOX
-  TELEPHONE MANHOLE
-  TELEPHONE/POWER POLE

**REMOVAL LEGEND**

-  TREE REMOVAL
-  STORM SEWER REMOVAL
-  STORM SEWER ABANDON
-  GUARDRAIL REMOVAL
-  PAVED SHOULDER REMOVAL
-  PAVEMENT REMOVAL (CLASS D PATCH)
-  HMA SURFACE REMOVAL, 2"



MODEL: ST008L1.MXD  
FILE NAME: D:\62D35\chastain\62D35.dwg

**CHASTAIN & ASSOCIATES LLC**  
CONSULTING ENGINEERS  
184-001397

USER NAME = _USER_	DESIGNED - JKP	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - DMW	REVISED -
PLOT DATE = 8/17/2018	CHECKED - SPF	REVISED -
	DATE - 07-13-2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

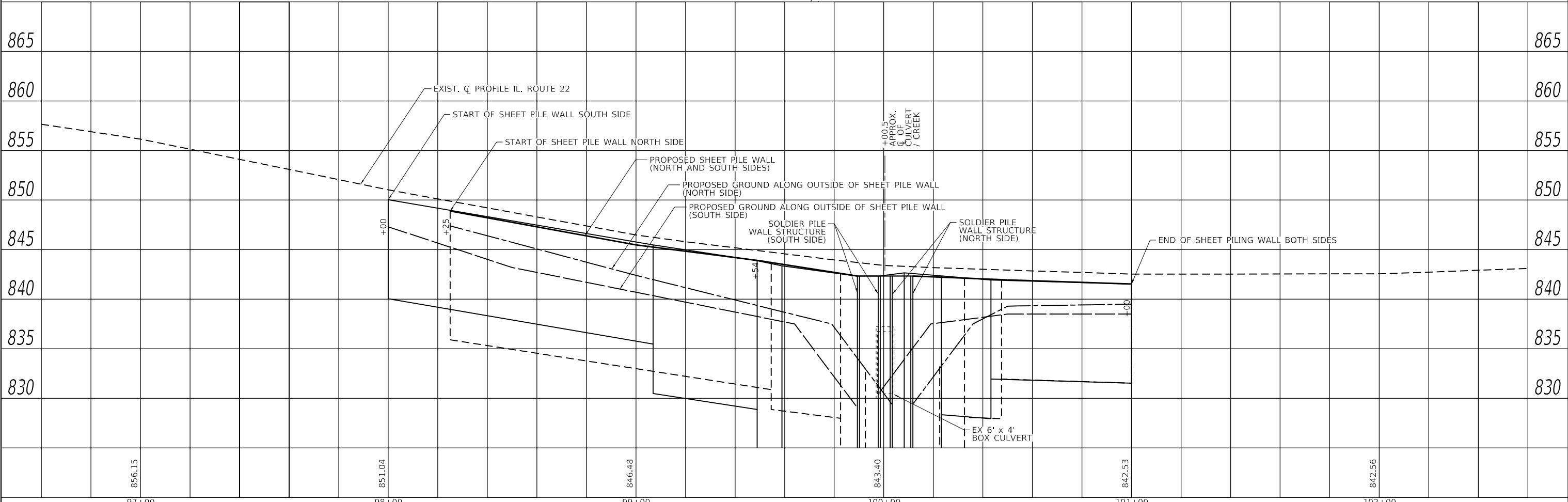
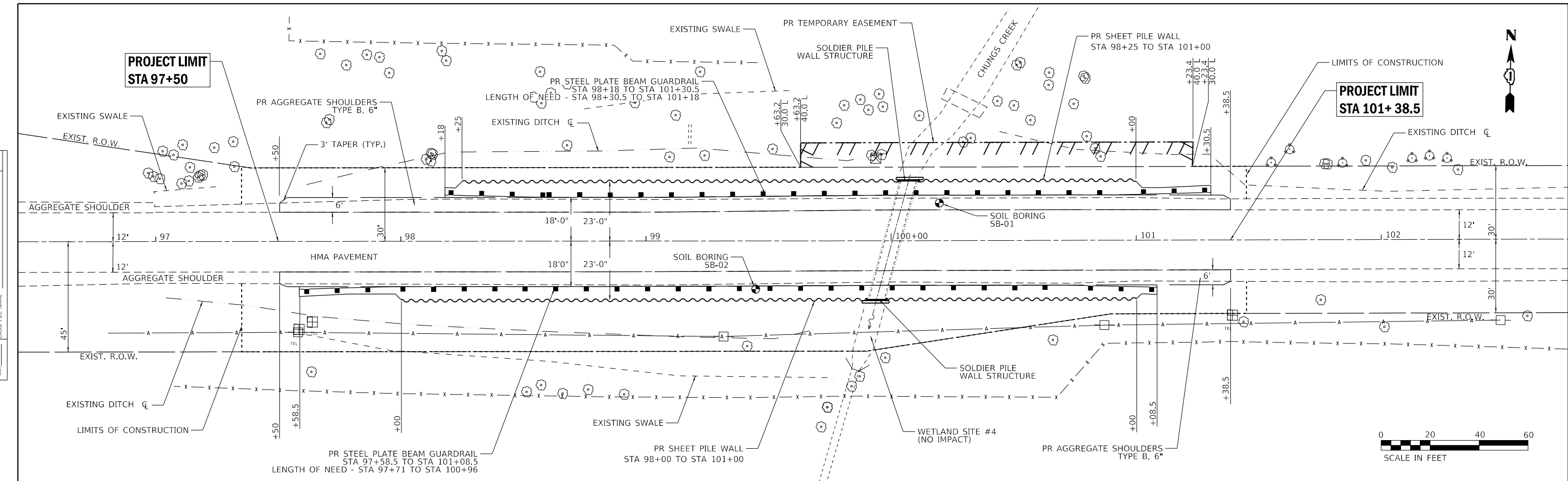
**IL 59 OVER DITCH  
REMOVAL PLAN - IL RTE. 59**

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 195+00 TO STA. 203+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	2016-051B	LAKE	55	16
CONTRACT NO. 62D35				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	GRADES	
	STRUCTURE	
	NOTATION	
	NO.	
	NO.	

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



856.15	97+00	851.04	98+00	846.48	99+00	843.40	100+00	842.53	101+00	842.56	102+00
--------	-------	--------	-------	--------	-------	--------	--------	--------	--------	--------	--------

**CHASTAIN & ASSOCIATES LLC**  
CONSULTING ENGINEERS  
184-001397

USER NAME = jjoang  
DESIGNED - JKP  
DRAWN - DMW  
CHECKED - SPF  
DATE - 07-13-2018

REVISED -  
REVISED -  
REVISED -  
REVISED -

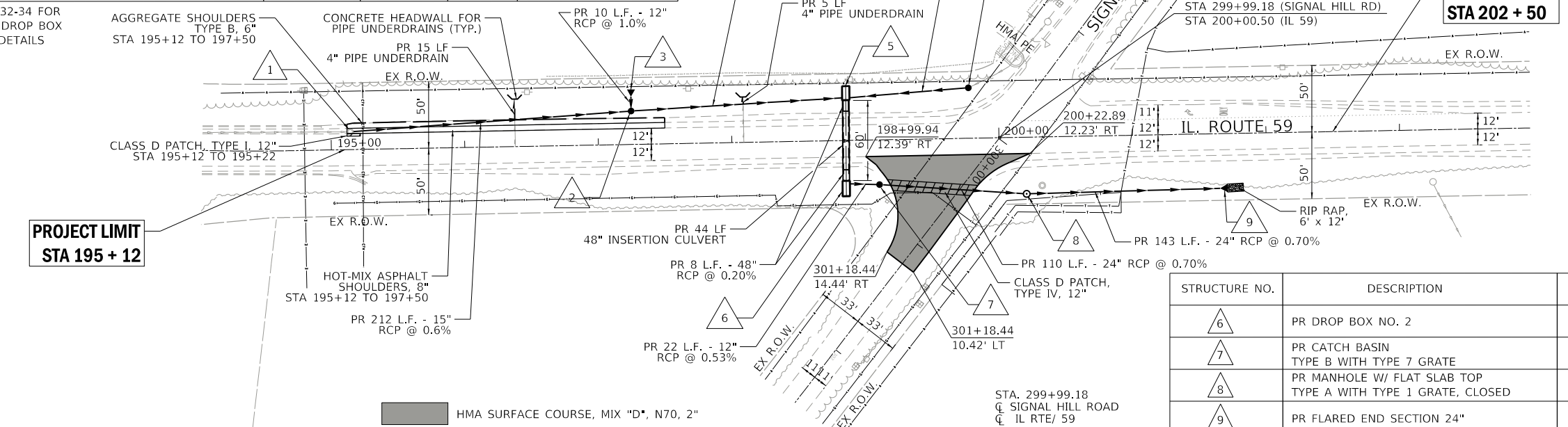
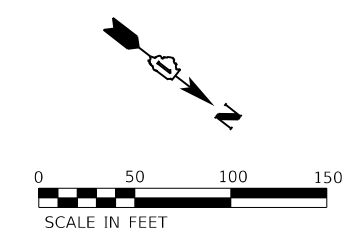
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL 22 OVER CHUNGS CREEK/HONEY LAKE DRAIN**  
**PLAN & PROFILE - IL RTE. 22**  
SCALE: 1"=20'  
SHEET 1 OF 2 SHEETS  
STA. 96+14 TO STA. 101+80

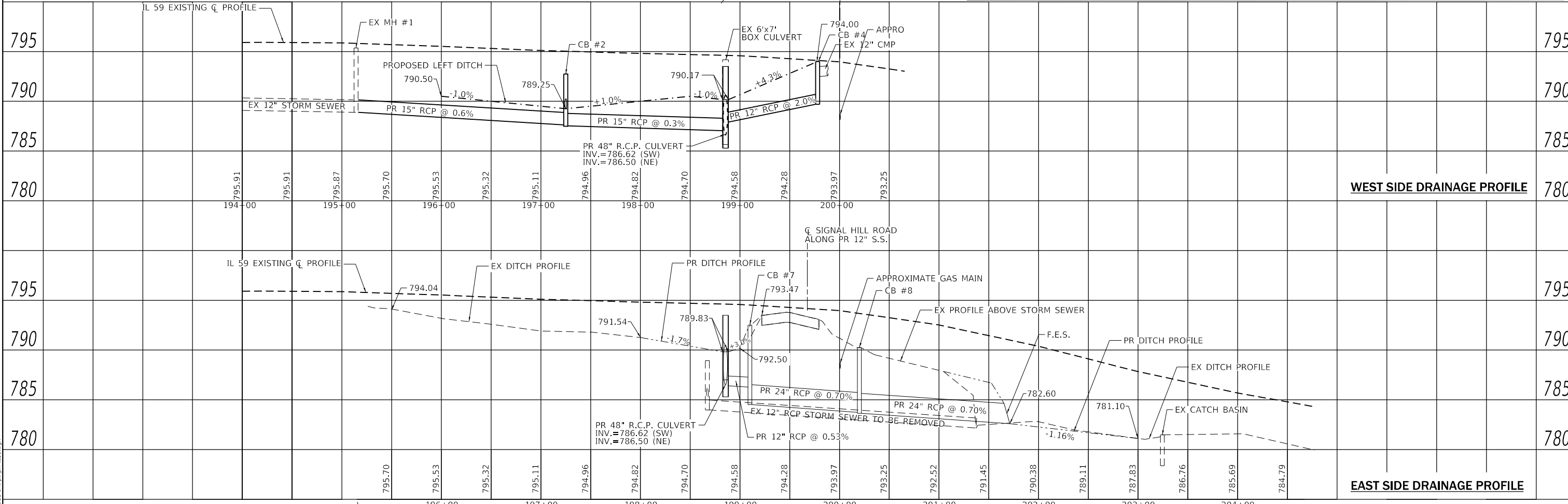
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2016-051B	LAKE	55	17
CONTRACT NO. 62D35				
ILLINOIS FED. AID PROJECT				

MODEL: Default  
FILE NAME: H:\\_DOT\6258 PTB 181\_006\Work Order #6 11.99.22 @ Dirches\CADD\_Sheets\62D35-sheep\plan\p122.dgn

DRAINAGE STRUCTURE SCHEDULE					
STRUCTURE NO.	DESCRIPTION	STATION	OFFSET	RIM ELEV.	INVERT ELEV.
1	ADJ MANHOLE	195+14.4	14.4' LT	795.36	789.06 SE 788.90 NW
2	PR CATCH BASIN W/ FLAT SLAB TOP TYPE A WITH TYPE 1 GRATE, CLOSED	197+25.0	25.0' LT	792.75	787.63 SE, 787.53 NW 789.01 SW
3	PR FLARED END SECTION 12"	197+25.0	35.8 LT	--	789.25
4	PR CATCH BASIN TYPE C WITH TYPE 8 GRATE	199+77.8	37.8' LT	794.00	789.70 SE 792.50 NW (EX 12" CMP)
5	PR DROP BOX NO. 1	*	*	*	787.05 SE, 787.90 NW 786.62 NE



STRUCTURE NO.	DESCRIPTION	STATION	OFFSET	RIM ELEV.	INVERT ELEV.
6	PR DROP BOX NO. 2	*	*	*	786.50 SE 786.40 NW
7	PR CATCH BASIN TYPE B WITH TYPE 7 GRATE	199+10.0	33.5' RT	792.50	786.28 SE 784.51 NW
8	PR MANHOLE W/ FLAT SLAB TOP TYPE A WITH TYPE 1 GRATE, CLOSED	200+20.0	41.0' RT	790.25	783.74 SE 783.64 NW
9	PR FLARED END SECTION 24"	201+71.13	41.0' RT	--	782.60



DATE	BY	DATE	BY

DATE	BY	DATE	BY

MODEL: S:\MODEL\NAMES  
FILE NAME: D:\62D35-ent\plan\IL95.dwg

**CHASTAIN & ASSOCIATES LLC**  
CONSULTING ENGINEERS  
184-001397

USER NAME = _USER_	DESIGNED - JKP	REVISED -
PLOT SCALE = 100,0280' / in.	DRAWN - DMW	REVISED -
PLOT DATE = 8/17/2018	CHECKED - SPF	REVISED -
	DATE - 07-13-2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 OVER DITCH  
PLAN & PROFILE - IL RTE. 59**

SCALE: 1"=50'      SHEET 2 OF 2 SHEETS      STA. 195+10      TO STA. 203+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	2016-051B	LAKE	55	18
CONTRACT NO. 62D35				
ILLINOIS FED. AID PROJECT				

## SUGGESTED SEQUENCE OF CONSTRUCTION & MAINTENANCE OF TRAFFIC

### STAGE I

1. INSTALL TEMPORARY TRAFFIC SIGNAL, INSTALL ADVANCED WIDTH RESTRICTION SIGNAGE, AND INSTALL STAGE I TRAFFIC CONTROL ALONG IL ROUTE 22. SHIFT TRAFFIC NORTH TO STAGE I TRAFFIC LANE.
2. REMOVE HEADWALL, INSTALL PERMANENT SHEET PILING WALL, AND SOLDIER PILE WALL ON SOUTH SIDE.
3. COMPLETE SOUTH SHOULDERS AND GUARDRAIL INSTALLATION.

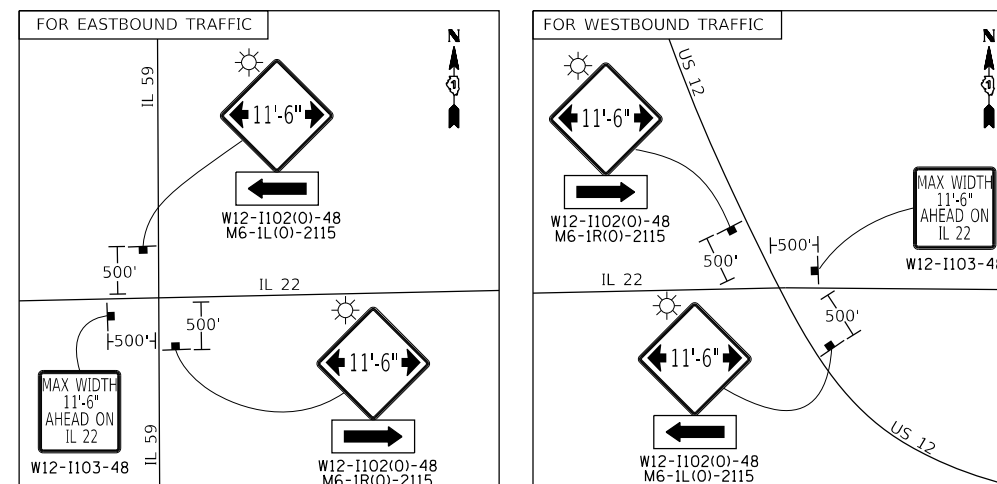
### STAGE II

1. RELOCATE STAGE I TRAFFIC CONTROL ON IL ROUTE 22 TO STAGE II LOCATION. SHIFT TRAFFIC SOUTH TO STAGE II TRAFFIC LANE.
2. REMOVE HEADWALL, INSTALL PERMANENT SHEET PILING WALL, AND SOLDIER PILE WALL ON NORTH SIDE.
3. COMPLETE NORTH SIDE SHOULDERS AND GUARDRAIL INSTALLATION.
4. REMOVE STAGE II TRAFFIC CONTROL DEVICES. SHIFT TRAFFIC BACK TO NORMAL LANES ALONG ROUTE 22.
5. COMPLETE PERMANENT PAVEMENT MARKING ALONG IL ROUTE 22 UTILIZING DAYTIME LANE CLOSURES.

## MAINTENANCE OF TRAFFIC GENERAL NOTES:

1. THE TRAFFIC CONTROL DEPICTED HEREIN IS THE MINIMUM REQUIREMENT. ADDITIONAL TRAFFIC CONTROL DEVICES AS SPECIFIED IN THE HIGHWAY STANDARDS AS SHOWN IN THE INDEX OF SHEETS AND THE SPECIAL PROVISIONS SHALL BE PLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. ALL TRAFFIC CONTROL DEVICES SHALL BE CONSIDERED INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL) UNLESS OTHERWISE INDICATED WITHIN THESE GENERAL NOTES, PLANS OR SPECIAL PROVISIONS.
2. MAINTENANCE OF TRAFFIC WIDTH RESTRICTION REQUIREMENT - THE CONTRACTOR SHALL NOTIFY THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, IN WRITING, WHEN THE CONTRACTOR RECEIVES AN AWARD LETTER FOR THE CONTRACT. THE LETTER SHALL STATE THE ANTICIPATED START DATE OF LANE WIDTH RESTRICTIONS. THE TWENTY-ONE (21) DAY NOTICE WILL START FROM THE AWARD DATE. NO WIDTH RESTRICTIONS WILL BE ALLOWED UNTIL TWENTY-ONE (21) DAYS AFTER RECEIVING NOTICE FROM THE CONTRACTOR. THE CONTRACTOR MAY ELECT TO PROVIDE THE ANTICIPATED START DATE OF LANE WIDTH RESTRICTIONS AT PRECONSTRUCTION MEETING AS LONG AS THERE IS A MINIMUM OF TWENTY-ONE (21) DAYS ADVANCED NOTICE.
3. THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE ALL SIGNS AND SIGN SUPPORTS REQUIRED FOR MAINTENANCE OF TRAFFIC.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING LABOR, SIGNS AND TRAFFIC CONTROL DEVICES NECESSARY FOR THE MAINTENANCE OF TRAFFIC UNLESS NOTED OTHERWISE IN THE SPECIAL PROVISIONS.
5. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING THE WORK.
6. IN ADVANCE OF ALL STAGE CHANGES ON IL ROUTE 22, THE CONTRACTOR SHALL PLACE ONE (1) PORTABLE CHANGEABLE MESSAGE SIGN AT EACH END OF THE PROJECT ALONG IL ROUTE 22 AS DIRECTED AT A LOCATION DESIGNATED BY THE ENGINEER TO INFORM MOTORISTS OF THE UPCOMING STAGE CHANGE ON IL ROUTE 22. THE MESSAGE SHALL BE APPROVED BY THE ENGINEER.
7. DRUMS OR TYPE II BARRICADES EQUIPPED WITH BI-DIRECTIONAL STEADY BURN LIGHT SHALL BE PROVIDED AS SHOWN IN THE PLANS AND AS DIRECTED BY THE ENGINEER.
8. ALL "ROAD CONSTRUCTION AHEAD" SIGNS AND TYPE II BARRICADES SHALL BE EQUIPPED WITH MONO-DIRECTIONAL TYPE A AMBER FLASHING LIGHTS.
9. 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.
10. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE ALL EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH THE DESIGNATED TRAFFIC CONTROL PLAN.
11. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN TRAFFIC IN ACCORDANCE WITH THE MAINTENANCE OF TRAFFIC PLANS, SPECIAL PROVISIONS, APPLICABLE STATE STANDARDS, AND AS DIRECTED BY THE ENGINEER. ANY CHANGES TO THE MAINTENANCE OF TRAFFIC SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO IMPLEMENTING ANY CHANGES.
12. TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL PROMPTLY RESPOND AT THE TIME OF NOTIFICATION BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC CONTROL DEVICES.
13. THE ENGINEER SHALL BE INFORMED A MINIMUM OF 48 HOURS IN ADVANCE OF ANY PROPOSED CHANGE TO THE SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN.
14. ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION AFTER SEVEN (7) DAYS OF SERVICE SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. ALL MARKINGS THAT REQUIRE REPLACEMENT PRIOR TO SEVEN (7) DAYS OF SERVICE SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
15. WHEN THEY ARE NO LONGER NECESSARY, ALL TRAFFIC CONTROL DEVICES SHALL IMMEDIATELY BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC. WHEN A SIGN IS COVERED, ITS POST SHALL HAVE A REFLECTIVE 3" X 6" DELINEATOR INSTALLED. THE COST OF THE DELINEATOR IS INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
16. TEMPORARY CONCRETE BARRIERS AND TEMPORARY IMPACT ATTENUATORS SHALL BE PLACED AS SHOWN IN THE PLANS. FURNISHING, INSTALLING AND RELOCATING TEMPORARY CONCRETE BARRIER AND TEMPORARY IMPACT ATTENUATORS SHALL BE IN ACCORDANCE WITH IDOT SPECIAL PROVISIONS, IDOT HIGHWAY STANDARDS, STANDARD SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER.
17. IMMEDIATELY AFTER THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL RESTORE ALL PERMANENT PAVEMENT MARKINGS, SIGNS, AND OTHER TRAFFIC CONTROL DEVICES THAT WERE COVERED, REMOVED, DAMAGED OR OTHERWISE AFFECTED BY CONSTRUCTION.

## ADVANCED SIGNAGE FOR IL 22



MODEL: Default  
 FILE NAME: I:\Work\IDOT\62D35-PTB-184-001397-CHASTAIN\CHASTAIN\62D35-PTB-184-001397-CHASTAIN.dgn  
 MODEL: Default  
 FILE NAME: I:\Work\IDOT\62D35-PTB-184-001397-CHASTAIN\CHASTAIN\62D35-PTB-184-001397-CHASTAIN.dgn

**CHASTAIN & ASSOCIATES LLC**  
 CONSULTING ENGINEERS  
 184-001397

USER NAME = dwozniarski	DESIGNED - JKP	REVISED -
PLOT SCALE = 10.0000 ' / in.	DRAWN - DMW	REVISED -
PLOT DATE = 8/17/2018	CHECKED - SPF	REVISED -
	DATE - 07-13-2018	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL 22 OVER CHUNGS CREEK/HONEY LAKE DRAIN  
 MAINTENANCE OF TRAFFIC - GENERAL NOTES

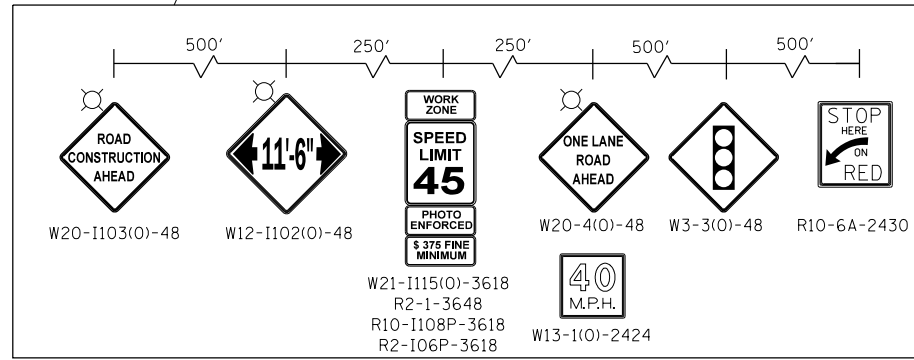
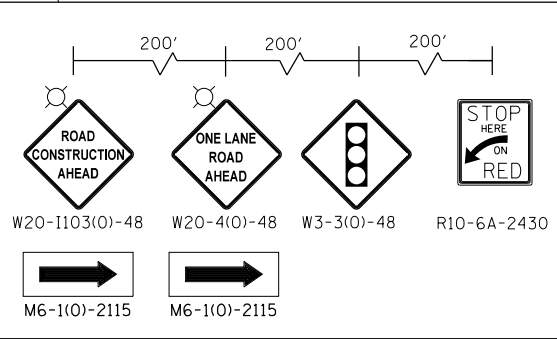
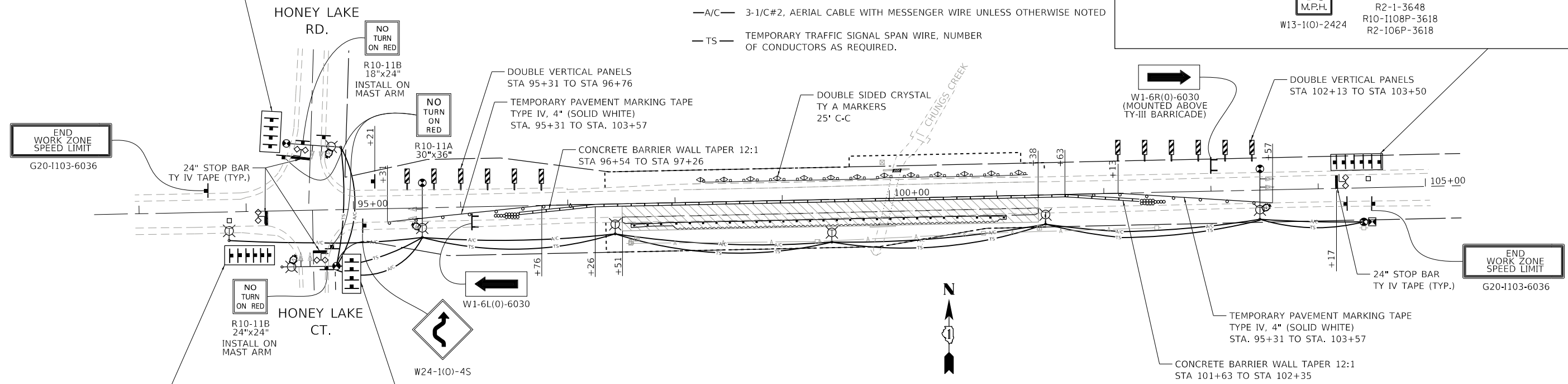
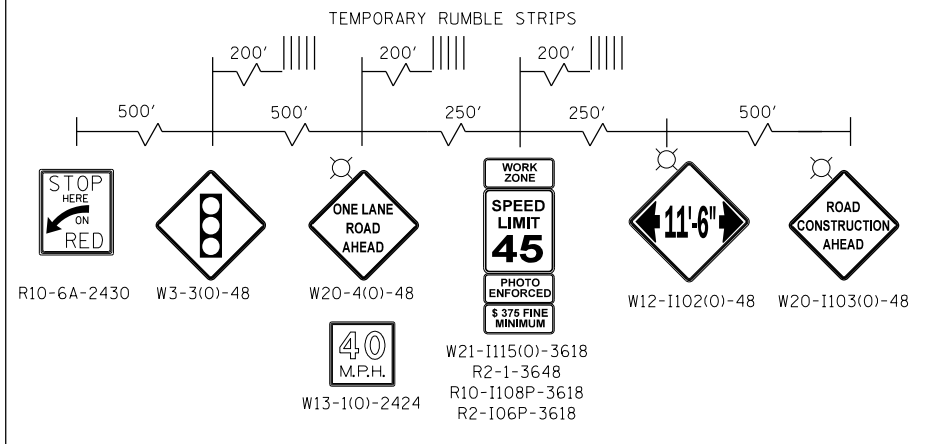
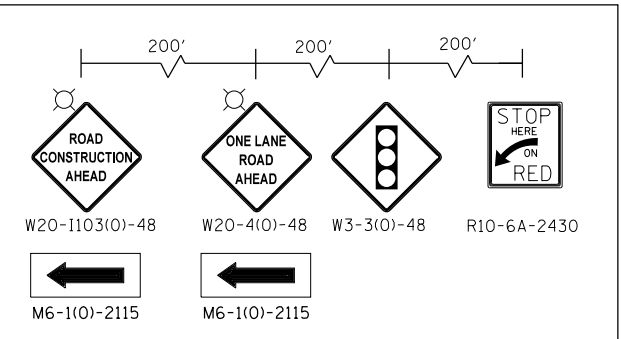
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

\* 338/337

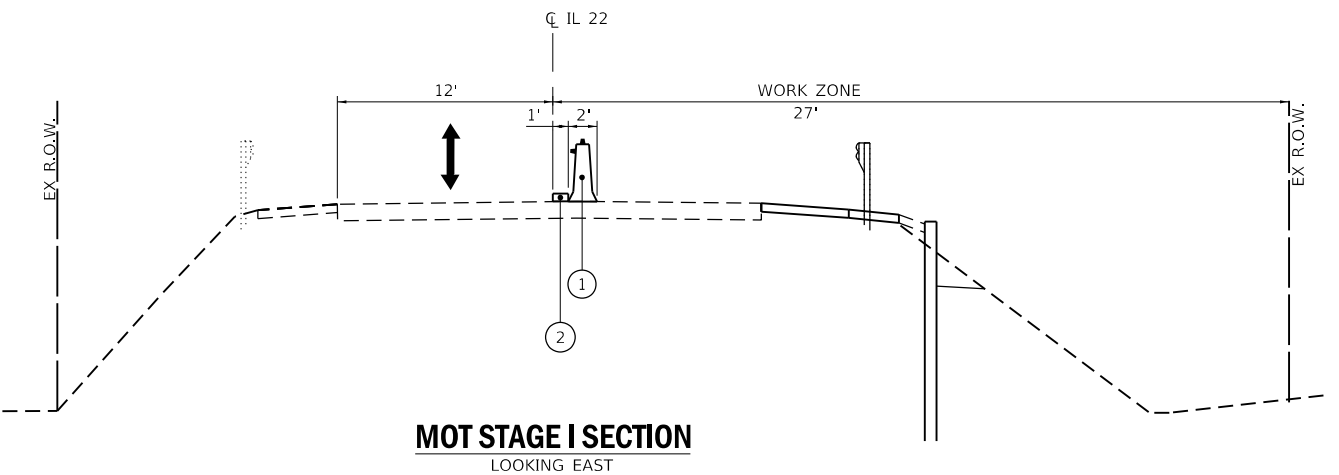
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	2016-051B	LAKE	55	19
CONTRACT NO. 62D35				
ILLINOIS FED. AID PROJECT				

**LEGEND**

- WORK ZONE
- TEMPORARY CONCRETE BARRIER
- SIGN ON PERMANENT OR PORTABLE SUPPORT
- DOUBLE VERTICAL PANEL AT 25' MIN. 1' FROM EDGE OF PAVEMENT
- TYPE III BARRICADE
- 400W, 120V, MCIII HPS, WITH PHOTO CELL 15' MA, 50' MH ON WOOD POLE, CLASS 4
- TEMPORARY WOOD POLE - NOMINAL 60 FT., CLASS 4
- TEMPORARY IMPACT ATTENUATOR (REDIRECTIVE, NARROW), TEST LEVEL 3
- DRUM AT 50' C-C SPACING IN TANGENT, 20' C-C SPACING TAPERS, AND 10' C-C SPACING IN CURVES/RADII
- TEMPORARY LED TRAFFIC SIGNAL HEAD, NUMBER OF SECTION AND DISPLAY AS REQUIRED.
- DETECTOR LOOPS
- TEMPORARY VIDEO DETECTOR
- TEMPORARY TRAFFIC CONTROLLER WITH UPS AND BOTTOM PLATE MOUNTED TO WOOD POLE
- 3-1/C#2, AERIAL CABLE WITH MESSENGER WIRE UNLESS OTHERWISE NOTED
- TEMPORARY TRAFFIC SIGNAL SPAN WIRE, NUMBER OF CONDUCTORS AS REQUIRED.



NOTE: REFER TO DISTRICT ONE DETAIL: BE-805 FOR ADDITIONAL INFORMATION FOR TEMPORARY SIGNAL/LIGHTING LAYOUT AND CONNECTIONS



**MOT LEGEND**

- ① TEMPORARY CONCRETE BARRIER WALL WITH DOUBLE SIDED CRYSTAL TY C MARKERS
- ② TEMPORARY PAVEMENT MARKING TAPE, TYPE IV, 4", WHITE

MODEL: 14006L.NAMES  
FILE NAME: D:\62D35-2R\MOT1-IL22.dgn

**CHASTAIN & ASSOCIATES LLC**  
CONSULTING ENGINEERS  
184-001397

USER NAME = _USER_	DESIGNED - JKP	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - DMW	REVISED -
PLOT DATE = 8/17/2018	CHECKED - SPF	REVISED -
	DATE - 07-13-2018	REVISED -

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

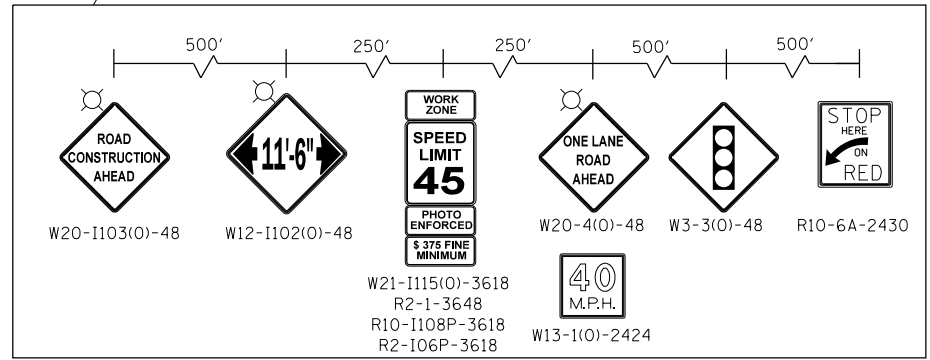
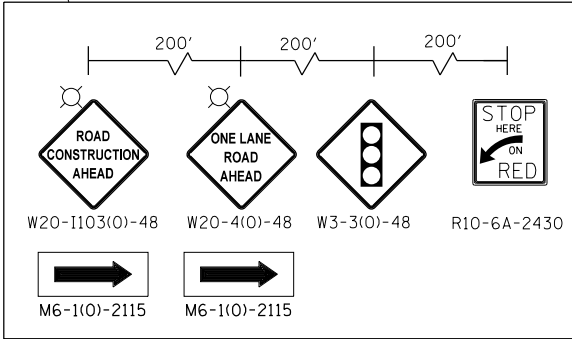
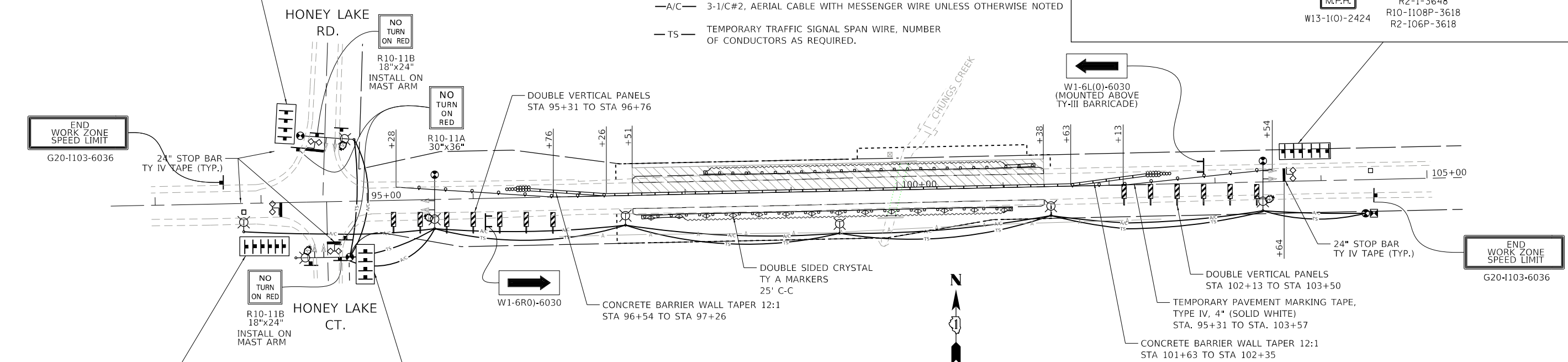
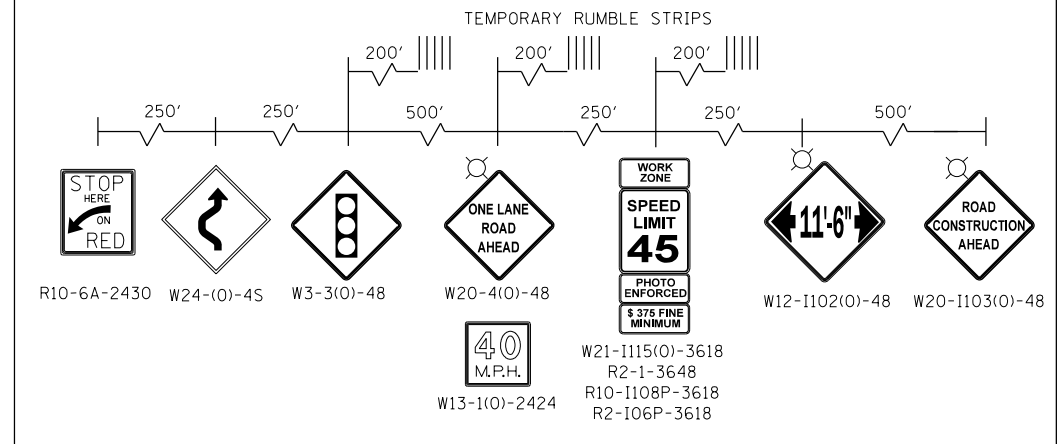
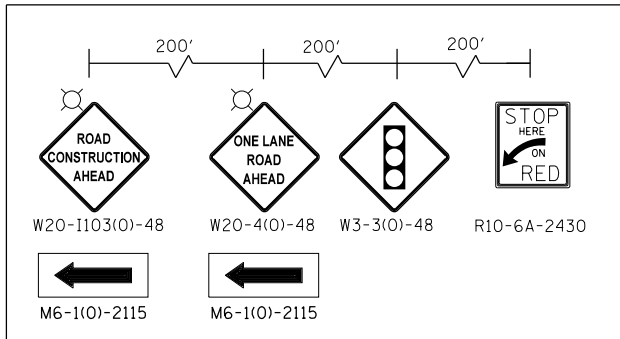
SCALE: 1"=50'		SHEET 1 OF 2 SHEETS	STA. 95+00 TO STA. 105+00
---------------	--	---------------------	---------------------------

* 338/337		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	2016-051B	LAKE	55	20	CONTRACT NO. 62D35	
		ILLINOIS	FED. AID PROJECT			

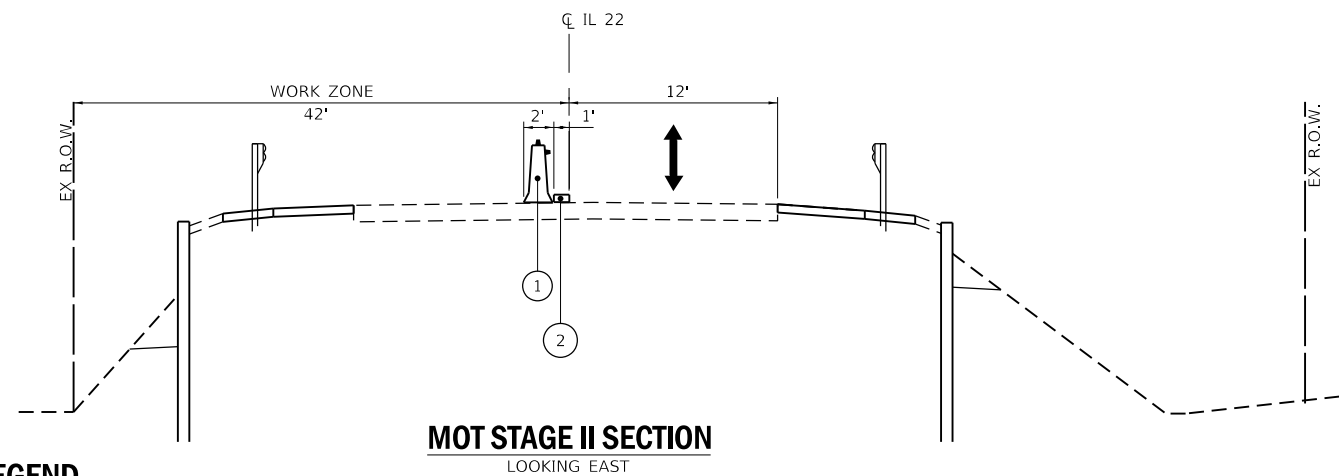


**LEGEND**

- WORK ZONE
- TEMPORARY CONCRETE BARRIER
- SIGN ON PERMANENT OR PORTABLE SUPPORT
- DOUBLE VERTICAL PANEL AT 25' MIN. 1' FROM EDGE OF PAVEMENT
- TYPE III BARRICADE
- 400W, 120V, MCIII HPS, WITH PHOTO CELL 15' MA, 50' MH ON WOOD POLE, CLASS 4
- TEMPORARY WOOD POLE - NOMINAL 60 FT., CLASS 4
- TEMPORARY IMPACT ATTENUATOR (REDIRECTIVE, NARROW), TEST LEVEL 3
- DRUM AT 50' C-C SPACING IN TANGENT, 20' C-C SPACING TAPERS, AND 10' C-C SPACING IN CURVES/RADII
- TEMPORARY LED TRAFFIC SIGNAL HEAD, NUMBER OF SECTION AND DISPLAY AS REQUIRED.
- DETECTOR LOOPS
- TEMPORARY VIDEO DETECTOR
- TEMPORARY TRAFFIC CONTROLLER WITH UPS AND BOTTOM PLATE MOUNTED TO WOOD POLE
- 3-1/C#2, AERIAL CABLE WITH MESSENGER WIRE UNLESS OTHERWISE NOTED
- TEMPORARY TRAFFIC SIGNAL SPAN WIRE, NUMBER OF CONDUCTORS AS REQUIRED.



NOTE: REFER TO DISTRICT ONE DETAIL: BE-805 FOR ADDITIONAL INFORMATION FOR TEMPORARY SIGNAL/LIGHTING LAYOUT AND CONNECTIONS



**MOT LEGEND**

- ① TEMPORARY CONCRETE BARRIER WALL WITH DOUBLE SIDED CRYSTAL TY C MARKERS
- ② TEMPORARY PAVEMENT MARKING TAPE, TYPE IV, 4", WHITE

MODEL: 1400161.DWG  
FILE NAME: D:\2025-26\62D35-2\62D35-2\22.dwg

**CHASTAIN & ASSOCIATES LLC**  
CONSULTING ENGINEERS  
184-001397

USER NAME = _USER_	DESIGNED - JKP	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - DMW	REVISED -
PLOT DATE = 8/17/2018	CHECKED - SPF	REVISED -
	DATE - 07-13-2018	REVISED -

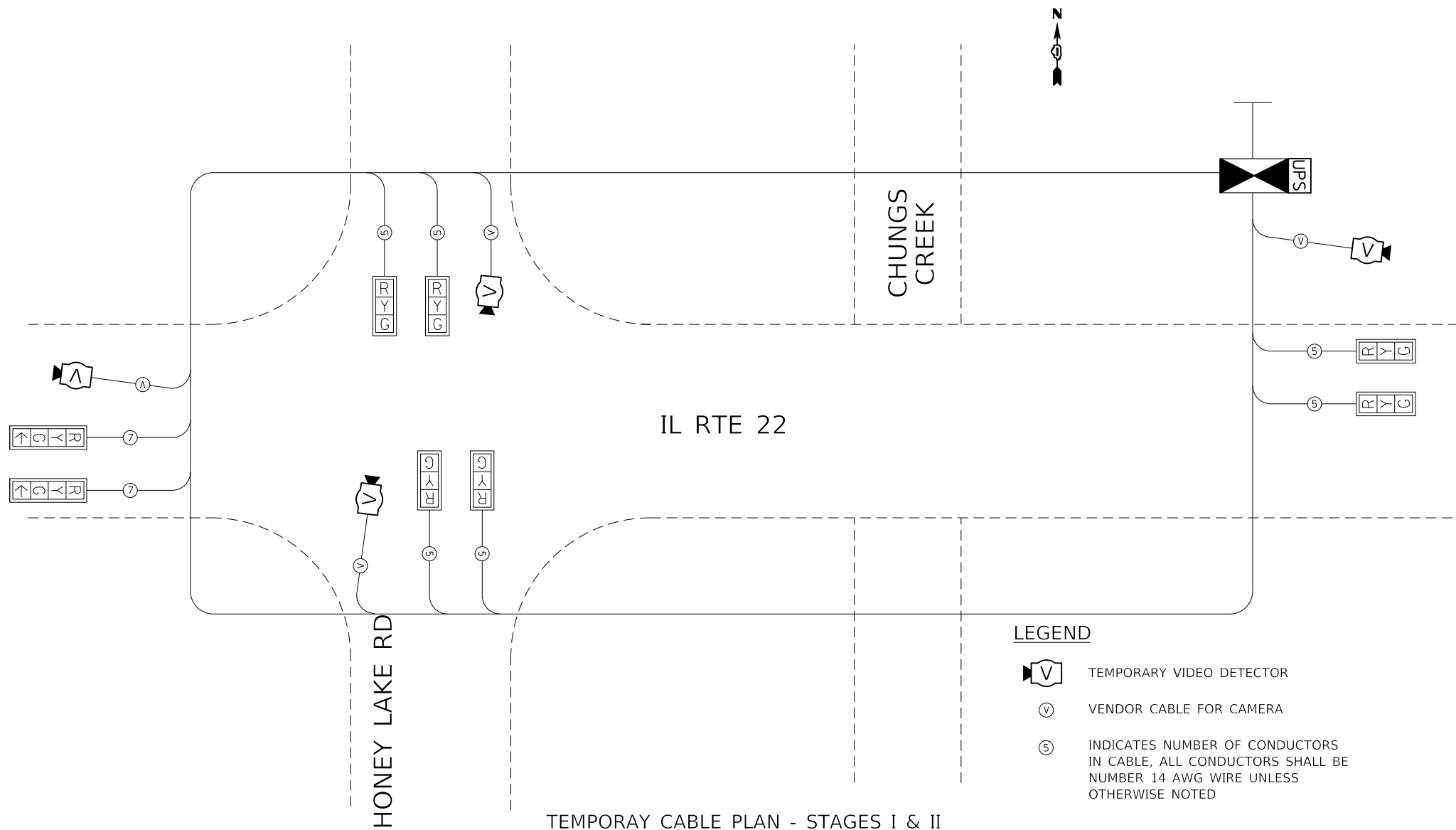
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL 22 OVER CHUNGS CREEK/HONEY LAKE DRAIN**  
**MAINTENANCE OF TRAFFIC: STAGE II - IL RTE. 22**

* 338/337		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	2016-051B	LAKE	55	21	CONTRACT NO. 62D35	
SCALE: 1"=50'		SHEET 2	OF 2 SHEETS	STA. 95+00	TO STA. 105+00	
		ILLINOIS		FED. AID PROJECT		

**NOTES FOR TEMPORARY TRAFFIC SIGNALS**

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1. INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS SHALL BE LED AND 12" (300MM) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL. TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
5. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.

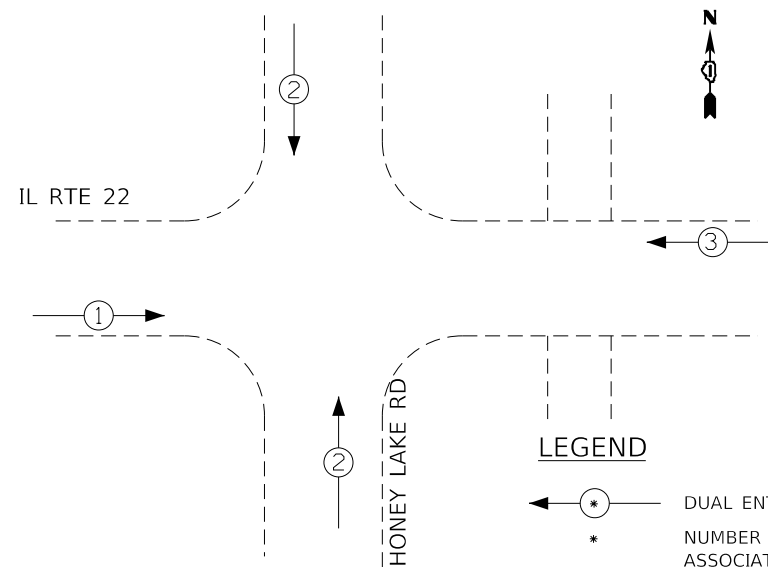


**LEGEND**

- TEMPORARY VIDEO DETECTOR
- VENDOR CABLE FOR CAMERA
- INDICATES NUMBER OF CONDUCTORS IN CABLE, ALL CONDUCTORS SHALL BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED

**TEMPORAY CABLE PLAN - STAGES I & II**  
NOT TO SCALE

**CONTROLLER SEQUENCE - STAGE I & II**



**LEGEND**

- DUAL ENTRY
- NUMBER REFERS TO ASSOCIATED PHASE

**PHASE DESIGNATION DIAGRAM**

**SCHEDULE OF QUANTITIES**

ITEM	UNIT	QTY.
TEMPORARY BRIDGE TRAFFIC SIGNAL INSTALLATION	EACH	1

**IDOT TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS - STAGE I & II**

TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	8		17	0.50	68
(YELLOW)	8		25	0.25	50
(GREEN)	10		15	0.25	37.5
ARROW	-		12	0.10	0
PED. SIGNAL	-		25	1.00	0
CONTROLLER	1		100	1.00	100
VIDEO SYSTEM	1	150		1.00	150
TOTAL =					361

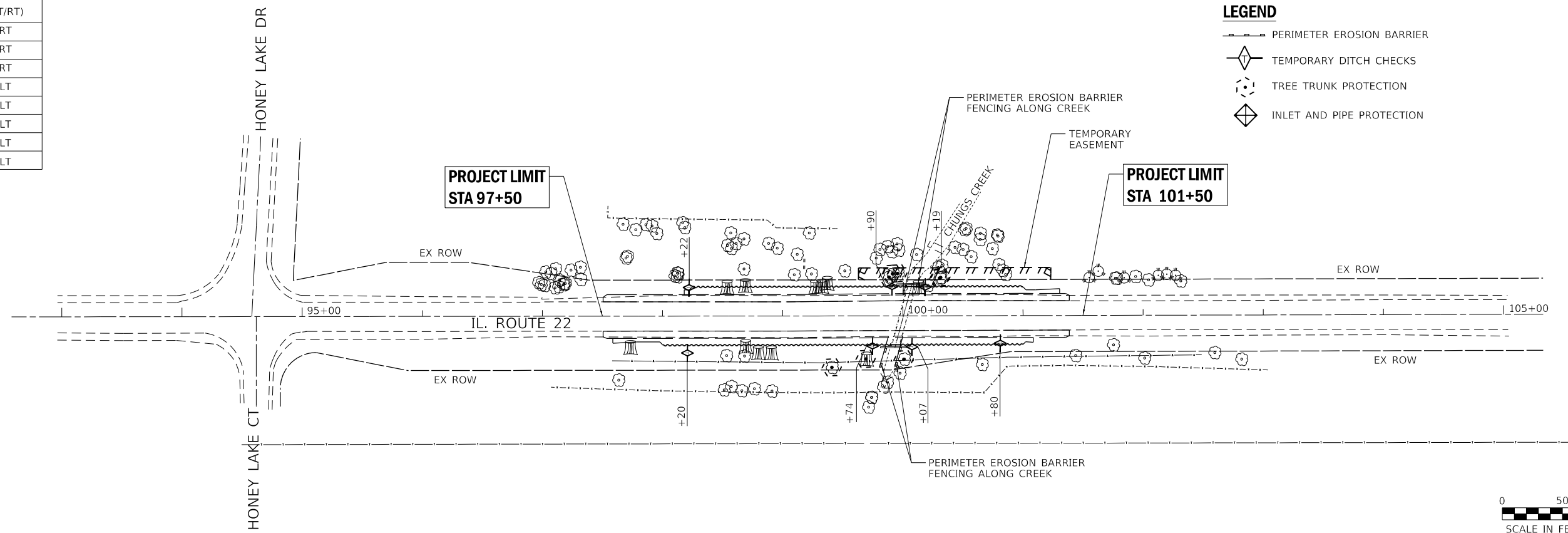
**ENERGY COSTS-**

ENERGY SUPPLY- CONTACT: LEONARD ANDERSON  
PHONE: 708-235-2346  
COMPANY: COMMONWEALTH EDISON

MODEL: Default  
FILE NAME: \\CHL\EP1\fileshare\prj\IDOT\6598\RTB\_181\_0061\Work Order #6 IL29-22 @ District\CAAD\_Sheets\161035-shc-MOT3IL22.dgn

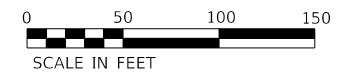
**TREE TRUCK PROTECTION SCHEDULE**

STATION	OFFSET	OFFSET (LT/RT)
99+42	43'	RT
99+70	43'	RT
100+02	43'	RT
99+89	43'	LT
99+92	43'	LT
99+96	43'	LT
100+31	32'	LT
100+33	32'	LT



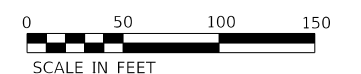
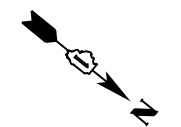
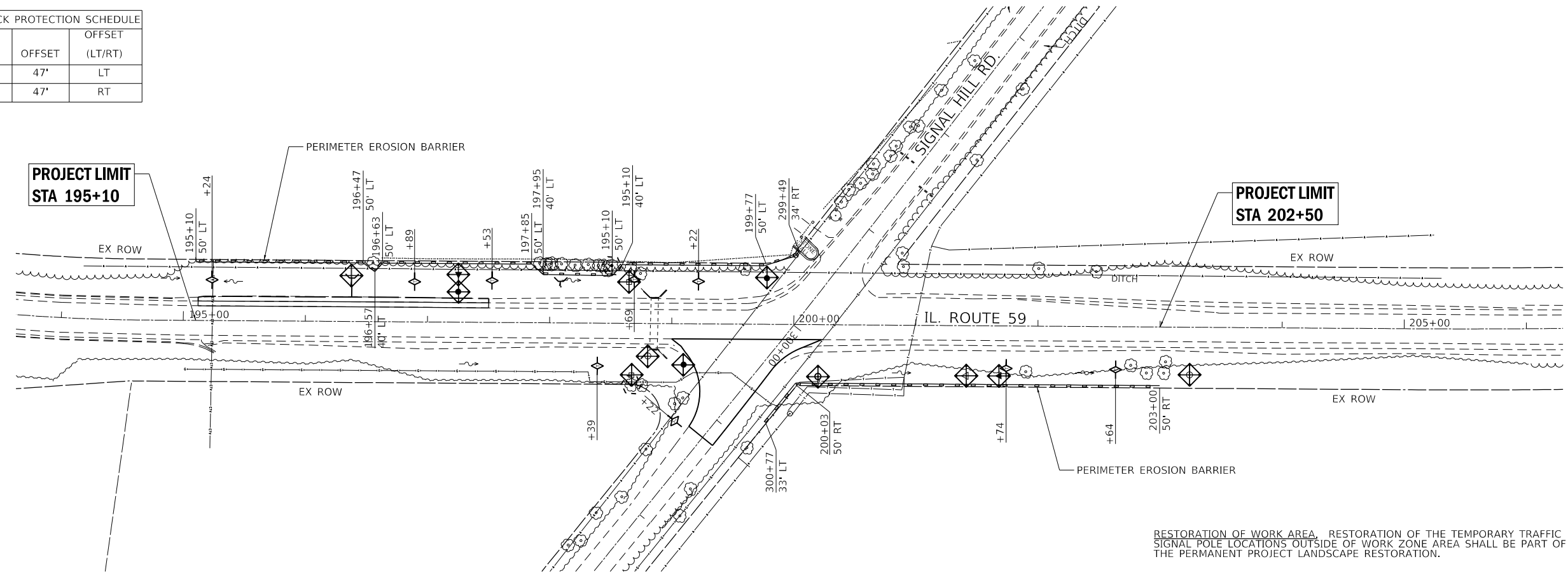
**LEGEND**

- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECKS
- TREE TRUNK PROTECTION
- INLET AND PIPE PROTECTION



**TREE TRUCK PROTECTION SCHEDULE**

STATION	OFFSET	OFFSET (LT/RT)
198+50	47'	LT
198+67	47'	RT



RESTORATION OF WORK AREA, RESTORATION OF THE TEMPORARY TRAFFIC SIGNAL POLE LOCATIONS OUTSIDE OF WORK ZONE AREA SHALL BE PART OF THE PERMANENT PROJECT LANDSCAPE RESTORATION.

MODEL: Default; FILE NAME: I:\0016588\_PTB 181\_006\Work Order #6 IL59\_22 @ D:\Tech\CADD\_Sheets\162D35-ERIC.dwg

**CHASTAIN & ASSOCIATES LLC**  
CONSULTING ENGINEERS  
184-001397

USER NAME = dwozniarski	DESIGNED - JKP	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - DMW	REVISED -
PLOT DATE = 8/17/2018	CHECKED - SPF	REVISED -
	DATE - 07-13-2018	REVISED -



**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 OVER DITCH AND IL 22 OVER CHUNGS CREEK/HONEY LAKE DRAIN  
EROSION CONTROL PLAN**

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. TO STA.

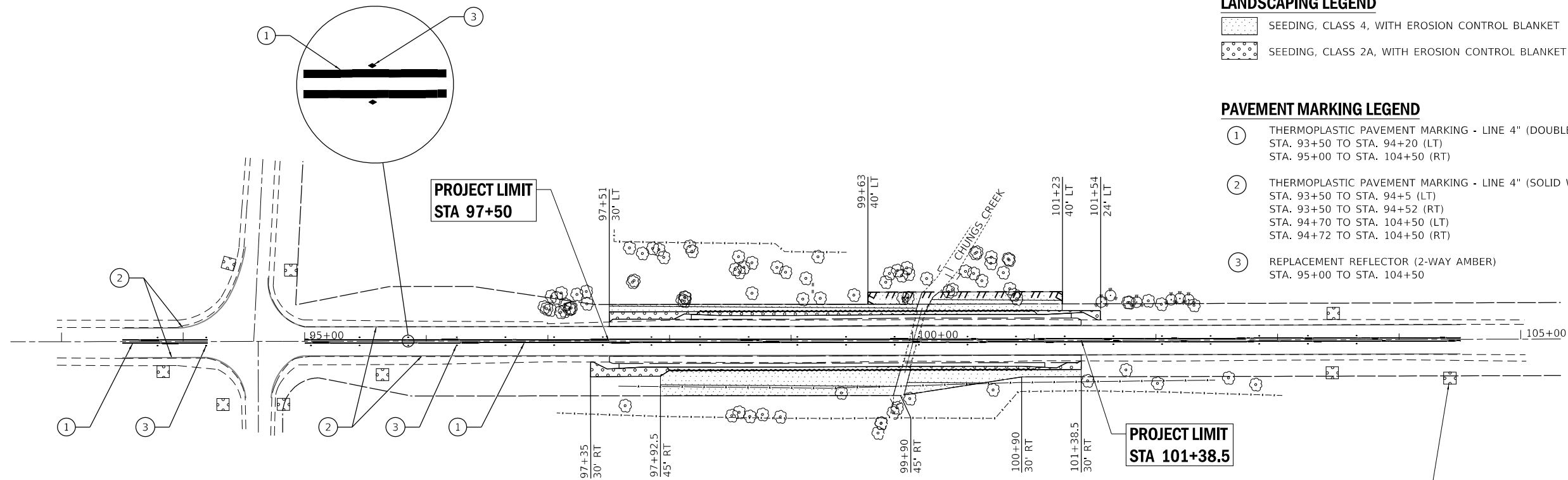
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2016-051B	LAKE	55	23
CONTRACT NO. 62D35				
ILLINOIS FED. AID PROJECT				

**LANDSCAPING LEGEND**

-  SEEDING, CLASS 4, WITH EROSION CONTROL BLANKET
-  SEEDING, CLASS 2A, WITH EROSION CONTROL BLANKET

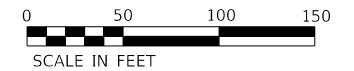
**PAVEMENT MARKING LEGEND**

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)  
STA. 93+50 TO STA. 94+20 (LT)  
STA. 95+00 TO STA. 104+50 (RT)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)  
STA. 93+50 TO STA. 94+5 (LT)  
STA. 93+50 TO STA. 94+52 (RT)  
STA. 94+70 TO STA. 104+50 (LT)  
STA. 94+72 TO STA. 104+50 (RT)
- ③ REPLACEMENT REFLECTOR (2-WAY AMBER)  
STA. 95+00 TO STA. 104+50



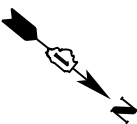
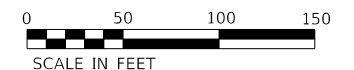
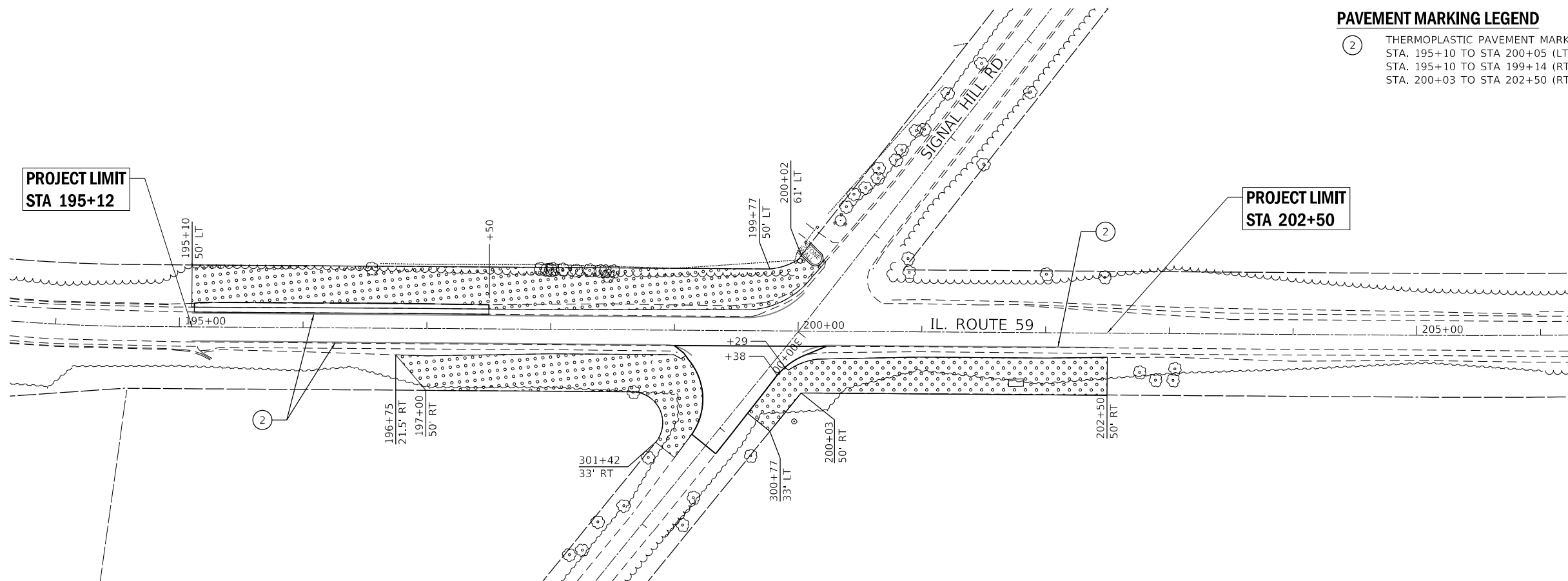
NOTE:  
HOLES REMAINING FROM REMOVAL OF TEMPORARY POLES SHALL BE BACKFILLED WITH FA-6 OR NATIVE MATERIAL AND CAPPED WITH 6" OF TOPSOIL. BACKFILL SHALL BE TAMPED IN 12" LIFTS TO OMIT FUTURE SETTLEMENT. THE COST OF BACKFILLING, TAMPING AND RESTORATION OF THE POLE HOLES SHALL BE INCLUDED IN THE COST OF THE VARIOUS RESTORATION ITEMS FOR THE PROJECT.

TYPICAL LOCATION OF TEMPORARY SIGNAL/LIGHTING POLE/EQUIPMENT. RESTORATION AREA ESTIMATED AT 100 SQ FT EACH LOCATION EDGE OF SHOULDER TO POLE LOCATION



**PAVEMENT MARKING LEGEND**

- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)  
STA. 195+10 TO STA 200+05 (LT)  
STA. 195+10 TO STA 199+14 (RT)  
STA. 200+03 TO STA 202+50 (RT)



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 59 OVER DITCH AND IL 22 OVER CHUNGS CREEK/HONEY LAKE DRAIN  
RESTORATION PLAN

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2016-051B	LAKE	55	24
CONTRACT NO. 62D35				
ILLINOIS FED. AID PROJECT				

MODEL: Default; FILE NAME: I:\DOT\62D35\DOT62D35-Plan\62D35.dgn

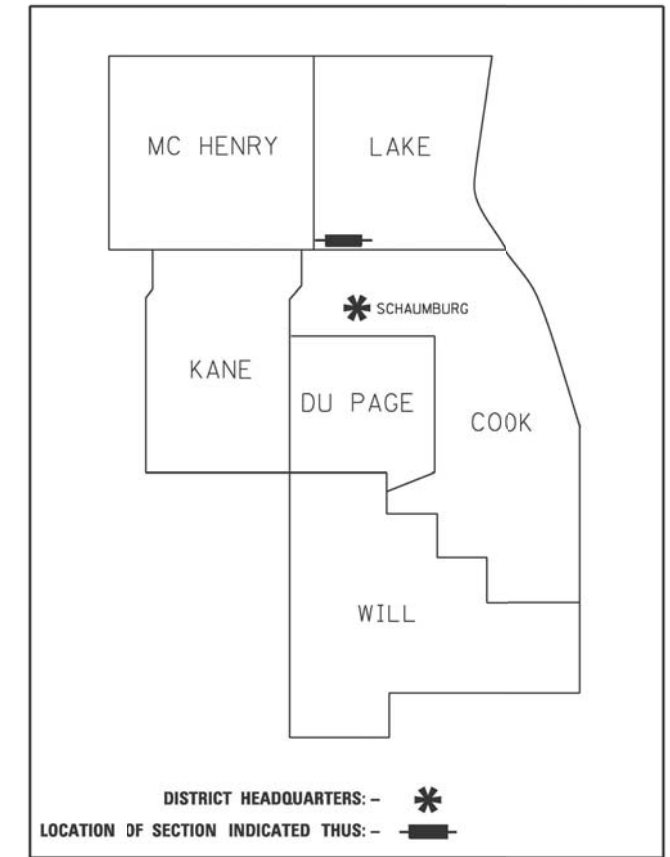
**CHASTAIN & ASSOCIATES LLC**  
CONSULTING ENGINEERS  
184-001397

USER NAME = dwozniarski	DESIGNED - JKP	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - DMW	REVISED -
PLOT DATE = 8/17/2018	CHECKED - SPF	REVISED -
	DATE - 07-13-2018	REVISED -

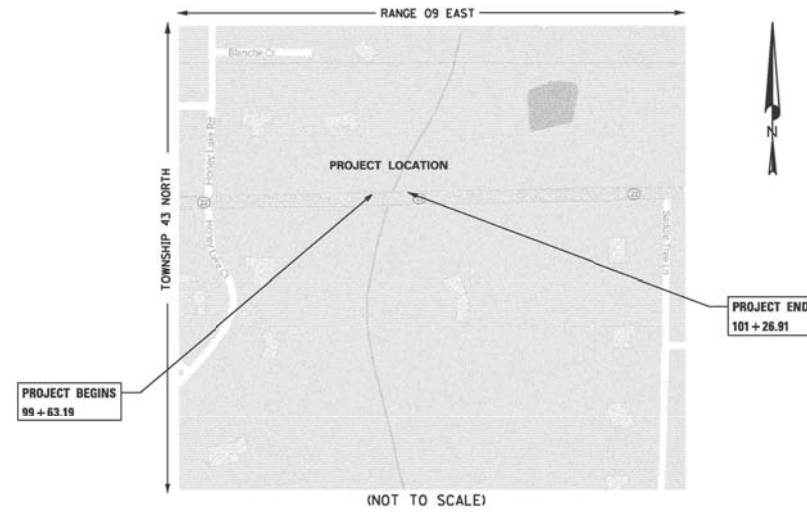
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**PLAT OF HIGHWAYS**

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
1MD0001	ALVIN S. JOHNSON	2	

**ROUTE: IL. ROUTE 22**  
**SECTION:**  
**COUNTY: LAKE**  
**LIMITS: HONEY LAKE DRAIN**  
**JOB NO.: R-91-016-16**



**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**



**LOCATION MAP**

GROSS LENGTH = 163.66 FT. = 0.031 MILE  
NET LENGTH = 163.66 FT. = 0.031 MILE

H:\E\622\62222 Rte 176 of Brown St R-91-016-16\Drawings\Sheets\Sheet1.dgn

**RECEIVED**  
DEC 19 2016 *R.C.*  
**PLATS & LEGALS**  
SHEET 25 OF 55 CONTRACT NO. 62D35

**IDOT USE ONLY**



**LEGEND**

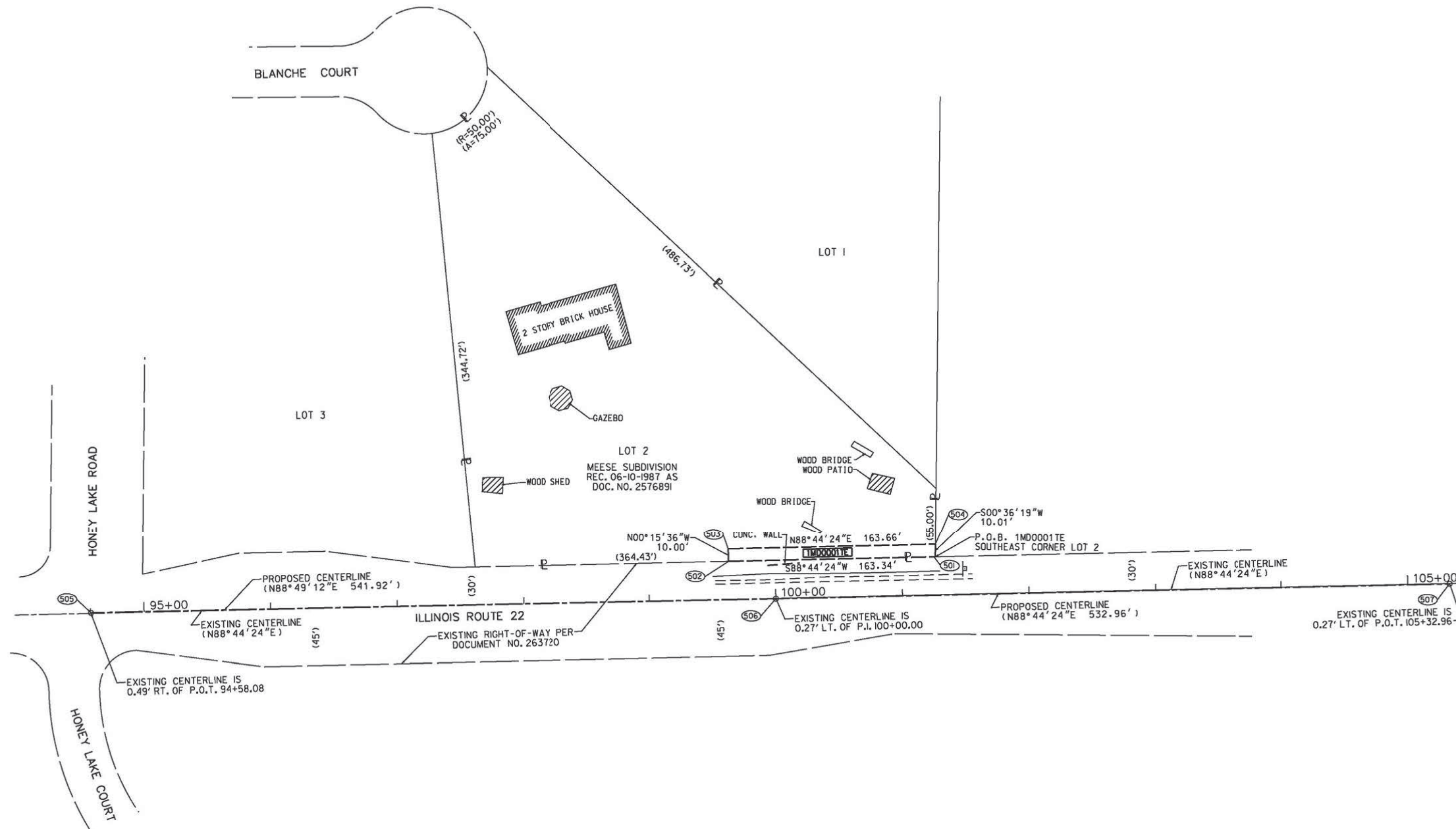
SECTION CORNER  
QUARTER SECTION CORNER

SECTION / QUARTER SECTION LINE  
PLATTED LOT LINES  
PROPERTY (DEED) LINE  
APPARENT PROPERTY LINE  
EXISTING CENTERLINE  
PROPOSED CENTERLINE  
EXISTING RIGHT OF WAY LINE  
PROPOSED RIGHT OF WAY LINE  
EXISTING EASEMENT  
PROPOSED EASEMENT  
EXISTING ACCESS CONTROL LINE  
PROPOSED ACCESS CONTROL LINE

MEASURED DIMENSION  
COMPUTED DIMENSION  
RECORDED DIMENSION  
EXISTING BUILDING

129.32'  
129.32' (COMP)  
(129.32')

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (XXXX ADJUSTMENT), EAST ZONE.



- IRON PIPE OR ROD FOUND      ⊕ 'MAG' NAIL SET
- + CUT CROSS FOUND OR SET      ● 5 / 8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS )  
                                  )SS  
COUNTY OF DUPAGE )

THIS IS TO CERTIFY THAT I, TIMOTHY G. WOLFE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, JACOB & HEFNER ASSOCIATES AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-003073,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 24, TOWNSHIP 43 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT DOWNERS GROVE, ILLINOIS THIS 21ST DAY OF NOVEMBER 2016 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003535  
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

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

PROJECT COORDINATES ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)				
POINT NUMBER	NORTHING	EASTING	STATION	OFFSET
501	2012103.1264	1039848.3631	101+26.58	30.27' LT
502	2012099.5344	1039685.0643	99+63.20	30.22' LT
503	2012109.5320	1039684.8444	99+63.19	40.22' LT
504	2012113.1312	1039848.4688	101+26.91	40.27' LT
505	2012058.9176	1039180.6737	POT 94+58.08	0.00' LT
506	2012070.0772	1039722.4835	PI 100+00.00	0.00' LT
507	2012081.7970	1040255.3123	POT 105+32.96	0.00' LT

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
1M00001	2.057	N/A	N/A	2.057	0.038	1635	13-24-205-008

NOTES: ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED. BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999378598. AREAS SHOWN ON THIS PLAT ARE "GROUND".

RECEIVED  
DEC 19 2016 R.C.  
PLATS & LEGALS



**JACOB & HEFNER ASSOCIATES**  
1333 Butterfield Road, Suite 300, Downers Grove, IL 60515  
PHONE: (630) 652-4600, FAX: (630) 652-4601  
www.jacobandhefner.com  
Illinois Professional Design Firm  
License No. 184-003073 Exp. 4/30/17

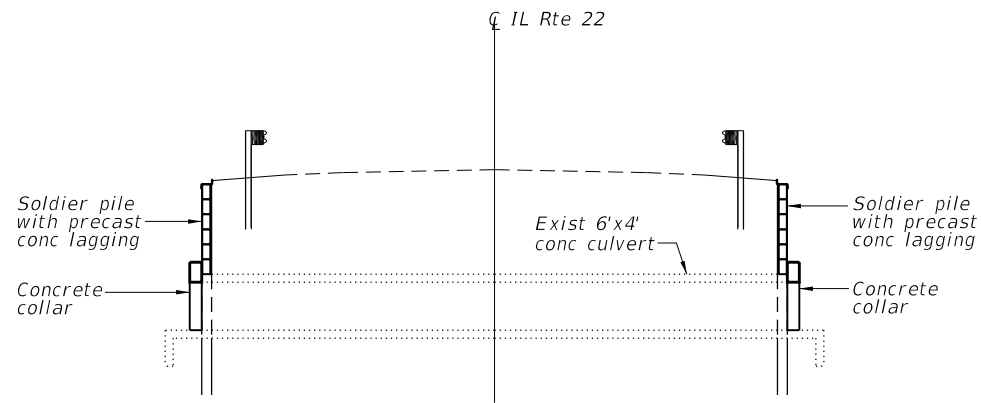
**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
IL ROUTE 22

LIMITS: HONEY LAKE DRAIN      COUNTY: LAKE  
SECTION:      JOB NO.: R-91-016-16  
STA.      TO STA.  
SCALE:      SHEET 2 OF 2 SHEETS

**BUREAU OF LAND ACQUISITION**  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196

CONTRACT NO. 62D35  
SHEET 26 OF 55

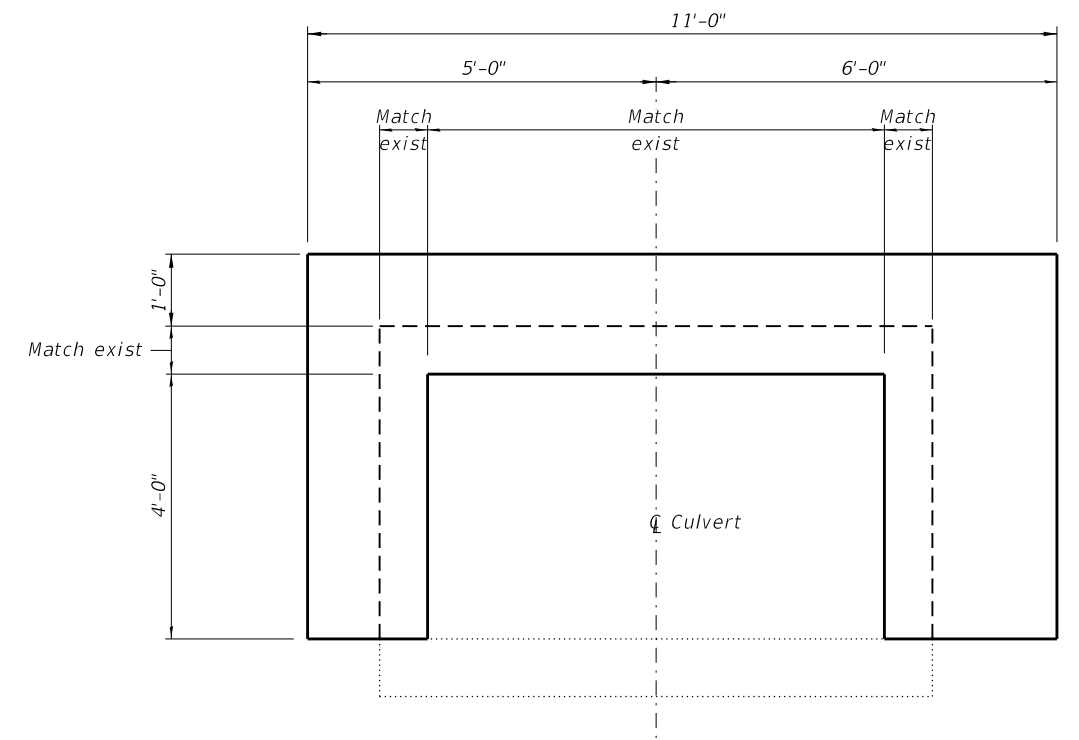
REVISION DATE: / /      REVISION MADE BY:



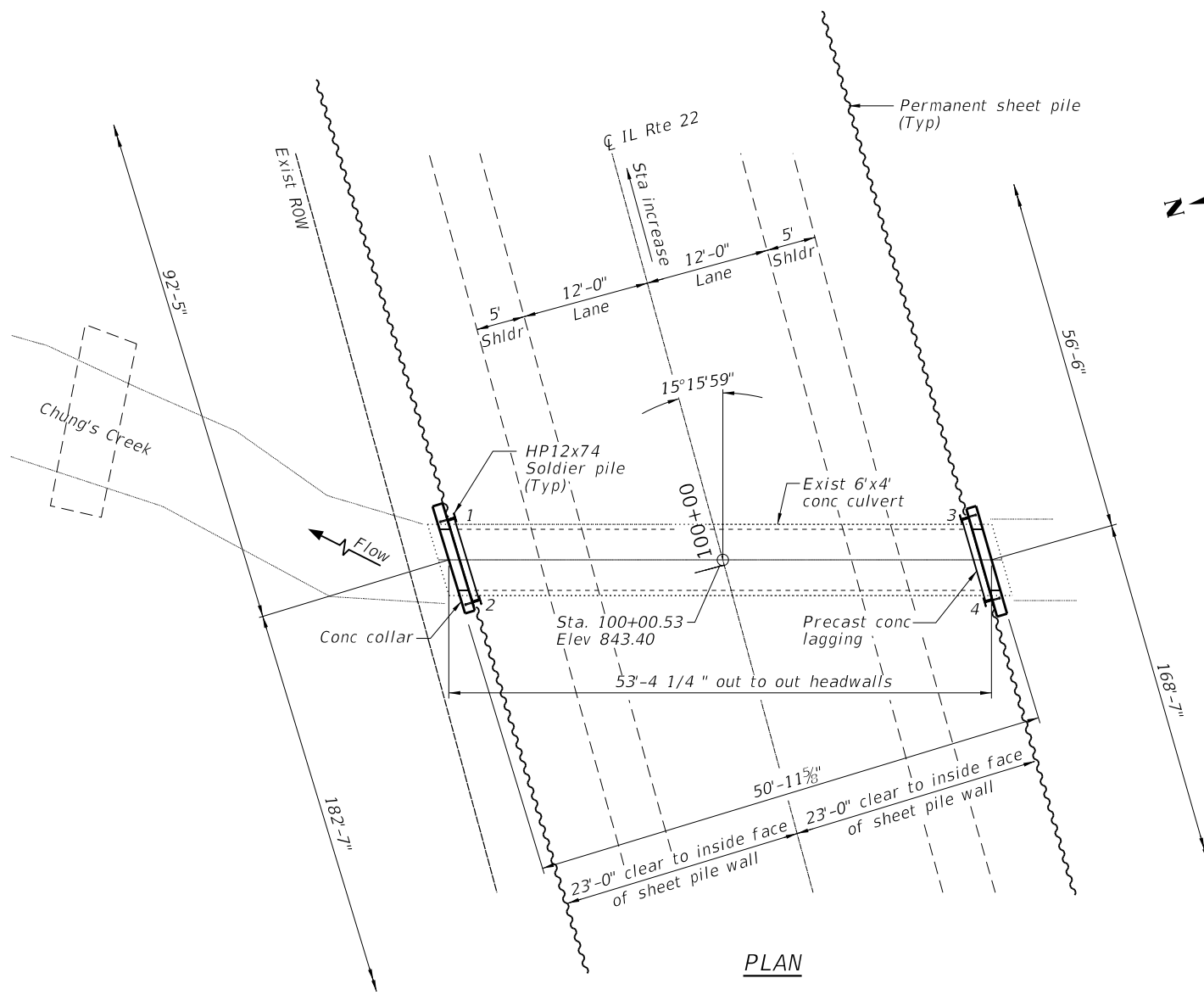
**LONGITUDINAL SECTION**

**INDEX OF SHEETS**

- 1 General Plan and Elevation
- 2 Removal Plan and Elevation
- 3 North Headwall Details
- 4 South Headwall Details
- 5 Headwall Details



**END VIEW OF CONCRETE COLLAR**



**PLAN**

**DESIGN SPECIFICATIONS**

2017 AASHTO LRFD Bridge Design Specifications, 8th Edition

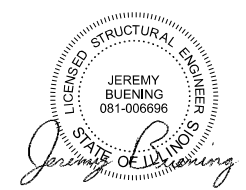
**DESIGN STRESSES**

**FIELD UNITS**

- $f'_c = 3,500$  psi (Collar)
- $f'_c = 4,500$  psi (Precast Lagging)
- $f_y = 60,000$  psi (Reinforcement)
- $f_y = 50,000$  psi (Sheet piling & soldier piles)

**LOADING HL-93**

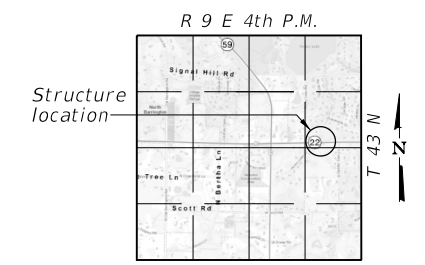
Allow 50#/sq. ft. for future wearing surface.



Jeremy Buening, P.E., S.E.  
License Expires 11/30/18

8/17/18

Date



**LOCATION SKETCH**

**TOTAL BILL OF MATERIAL**

Item	Unit	Quantity
Concrete Removal	Cu Yd	12
Reinforcement Bars	Pound	120
Concrete Structures	Cu Yd	2.9
Permanent Sheet Pile	Sq Ft	8389
Furnishing Soldier Pile (HP12x74)	Foot	107
Driving Soldier Piles	Foot	107
Precast Concrete Lagging	Sq Ft	126

**GENERAL PLAN AND ELEVATION**

**IL ROUTE 22 OVER**

**CHUNG'S CREEK**

**SECTION 2016-051B**

**LAKE COUNTY**

**STA 10+00.53**

**STRUCTURE NO. 049-0589**

MODEL: Default; FILE: Main; PLOT: 181\_0061Work Order #6 ILR 22 @ D:\Tech\CADD\_Structural\162025-rlc-culvert\6e-1122.dgn



USER NAME = jjoang	DESIGNED - BCG	REVISED -
PLOT SCALE = 1/16,000" = 1/16,000" / in.	DRAWN - RLK	REVISED -
PLOT DATE = 8/17/2018	CHECKED - JMB	REVISED -
	DATE - 07-13-2018	REVISED -

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

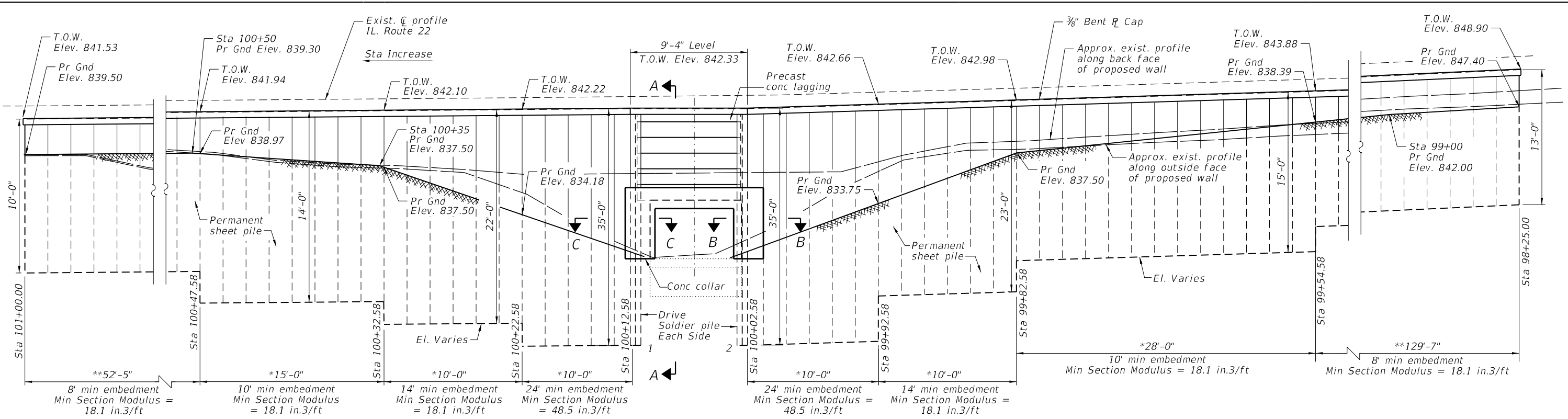
**IL 22 OVER CHUNGS CREEK/HONEY LAKE DRAIN**  
**GENERAL PLAN AND ELEVATION**

SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE. 337	SECTION 2016-051B	COUNTY LAKE	TOTAL SHEETS 55	SHEET NO. 27
SN 049-0589		CONTRACT NO. 62D35		
ILLINOIS FED. AID PROJECT				



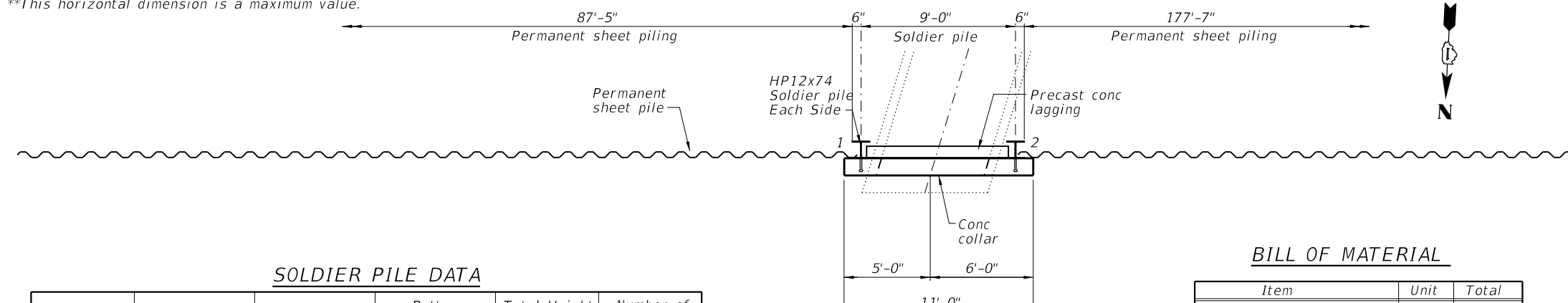




**NORTH END WALL ELEVATION**  
(Looking South at Face of Wall)

\*The horizontal dimensions shown are a minimum and may be extended to allow for installation of a full sheet pile.

\*\*This horizontal dimension is a maximum value.



**PLAN - NORTH END WALL**  
(Downstream end)

**SOLDIER PILE DATA**

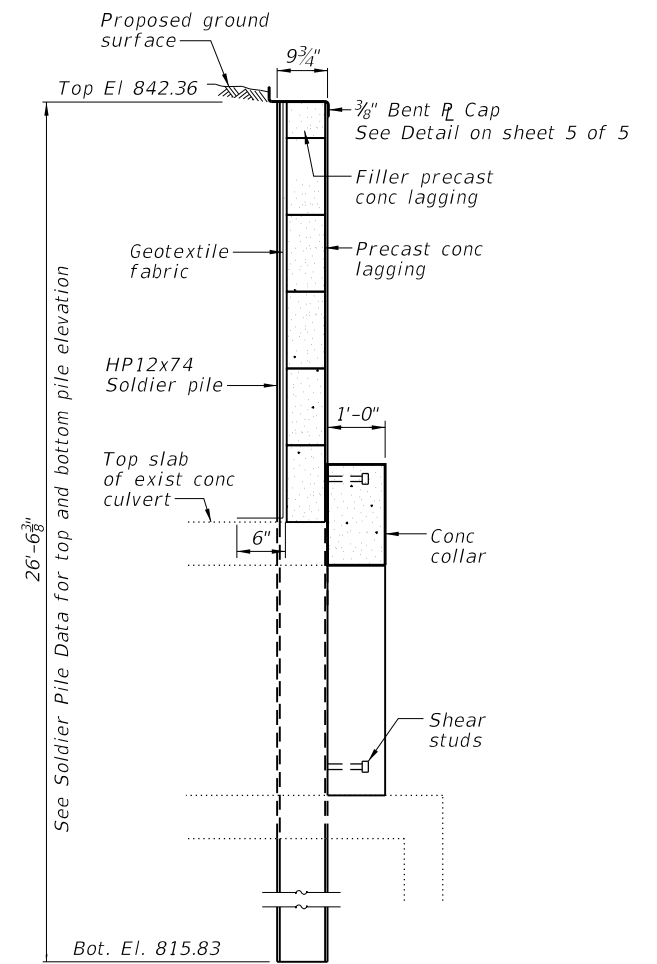
Soldier Pile	Pile Size	Top Elevation	Bottom Elevation	Total Height (Ft.)	Number of Shear Studs
1	HP12x74	842.33	815.83	26'-6"	6
2	HP12x74	842.33	815.83	26'-6"	6

**BILL OF MATERIAL**

Item	Unit	Total
Permanent Sheet Pile	Sq Ft	3989
Furnishing Soldier Pile (HP12x74)	Foot	53
Driving Soldier Piles	Foot	53
Precast Concrete Lagging	Sq Ft	64

**SOLDIER PILE & COLLAR CONSTRUCTION SEQUENCE**

1. Drive soldier piles and permanent sheet piling.
2. Excavate behind existing headwall while installing precast concrete lagging and geotextile.
3. Place and compact backfill behind wingwall to top of concrete lagging and sheet piling.
4. Install shear stud connectors and bent plate cap.
5. Sawcut and remove existing headwall and portion of culvert walls and top slab. Sawcut shall be located flush with outside face of soldier pile.
6. Construct concrete collar.



**SECTION A-A**

**Notes:**

In order to minimize excessive deflection and/or stresses in the soldier piles, compaction equipment used within 4 ft of the back face of the precast lagging shall be limited to hand-operated mechanical tampers, rollers, or vibratory systems.

The minimum effective section modulus of the permanent steel sheet pile wall are shown in the above wall elevation.

The cost of furnishing and installing the bent PL sheet pile cap, BBS-M/F connector, and geotextile fabric shall be included in the cost of Permanent Sheet Piling.

See Sheet 5 of 5 for Sec B-B and C-C.

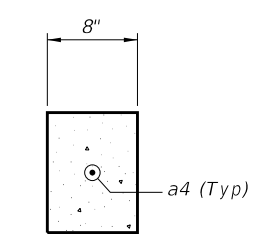
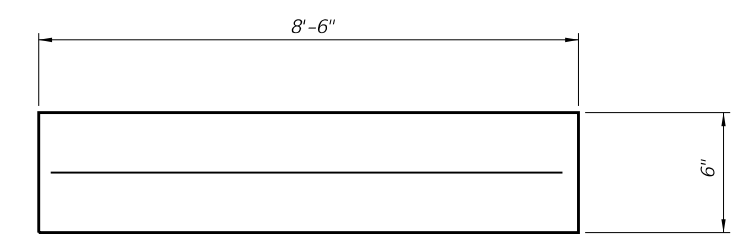
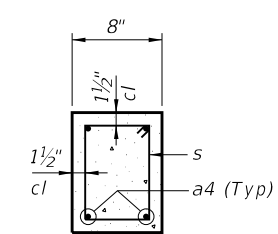
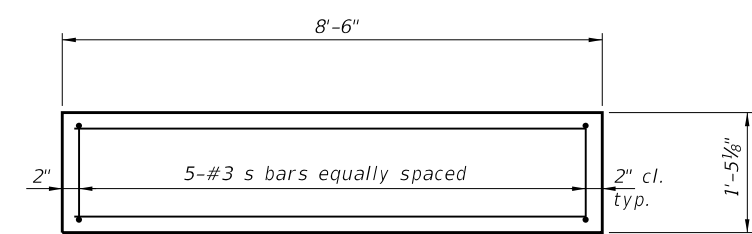
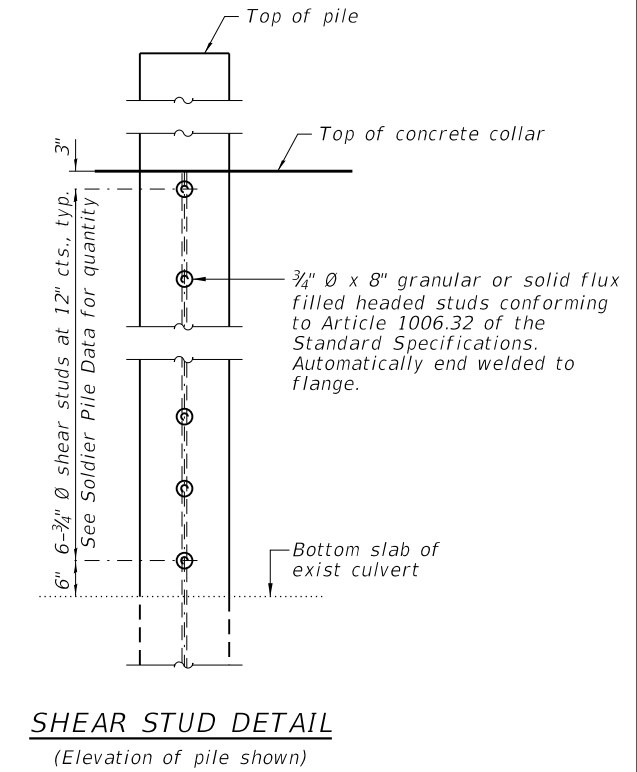
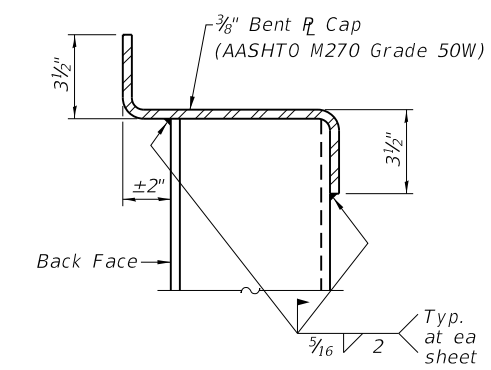
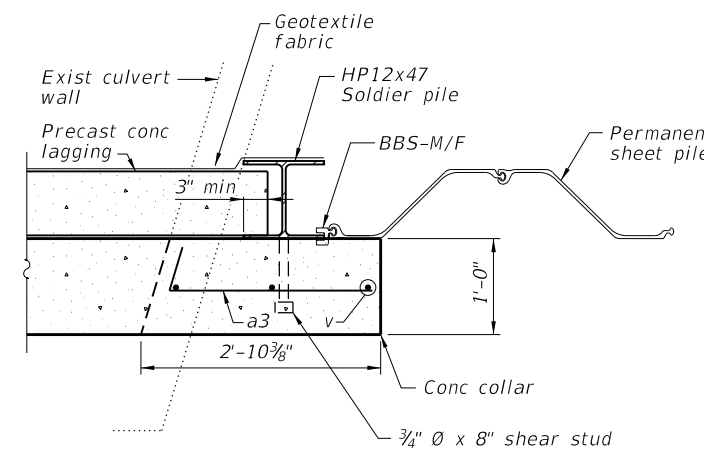
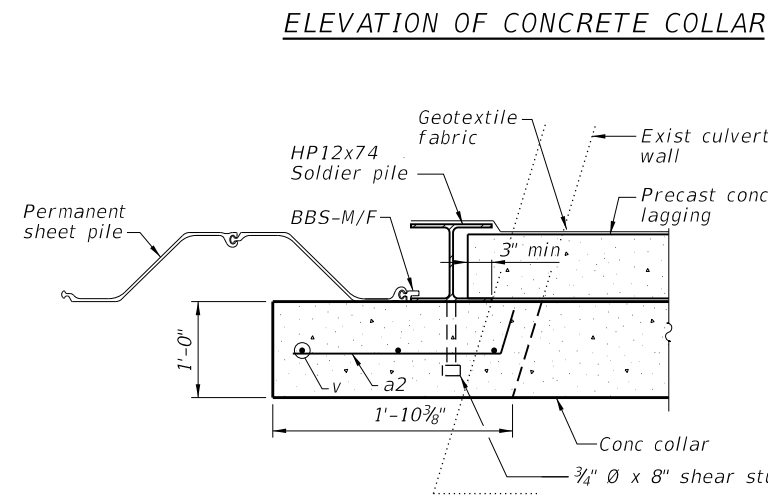
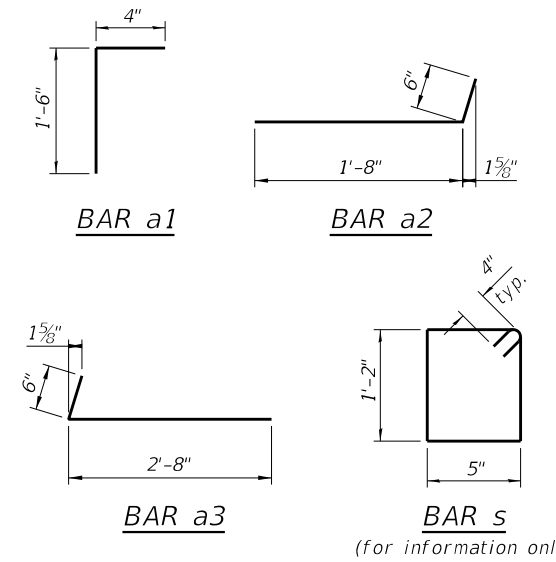
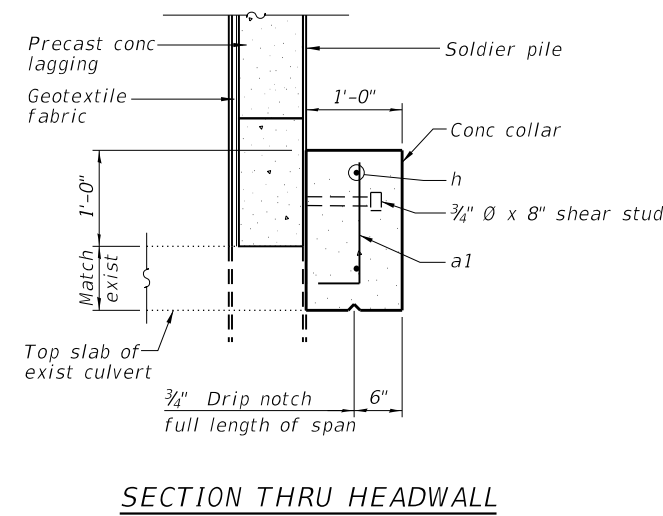
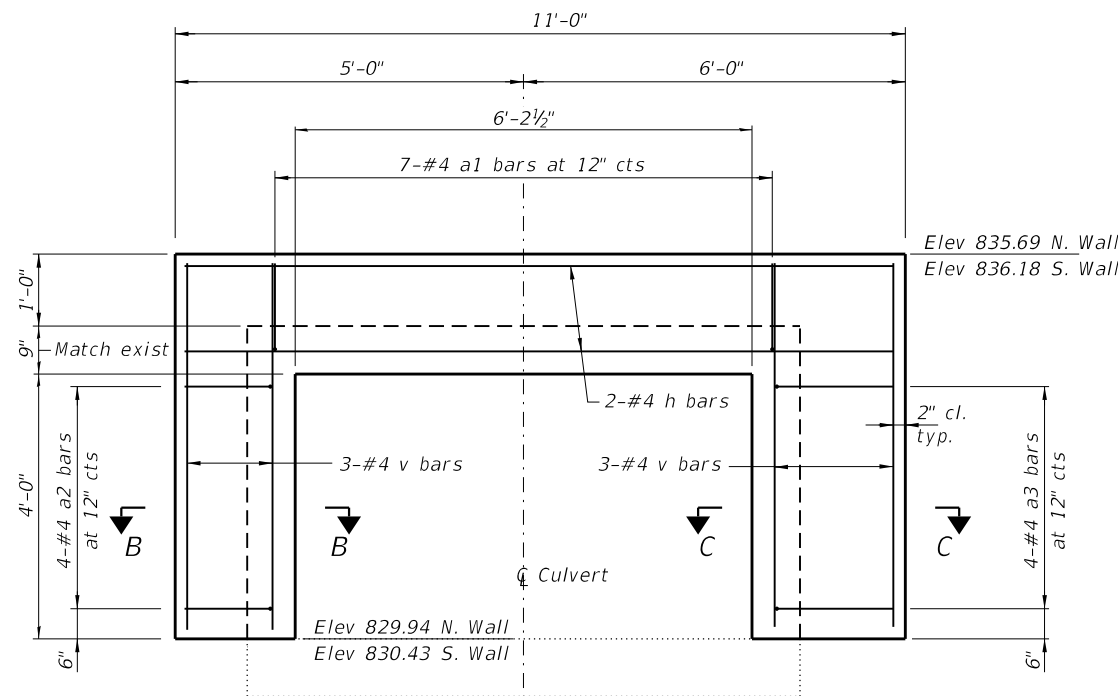
Sheet pile bottom tip elevations may vary from what is shown in above Wall Elevation, as long as minimum embedment is obtained. Sheet heights are given for each embedment depth section.

MODEL: Default; FILE NAME: I:\Work\184-001397\184-001397-006\Work Order #6 IL59 22 @ D:\chastain\CAD\Structural\184-001397-006\chastain\184-001397.dwg



**BILL OF MATERIAL  
(TWO CONCRETE COLLARS)**

Bar	No.	Size	Length	Shape
a1	14	#4	1'-10"	┌
a2	8	#4	2'-2"	└
a3	8	#4	3'-2"	└
h	4	#4	10'-9"	—
v	12	#4	5'-6"	—
Concrete Structure			Cu. Yd.	2.9
Reinforcement Bars			Pound	120



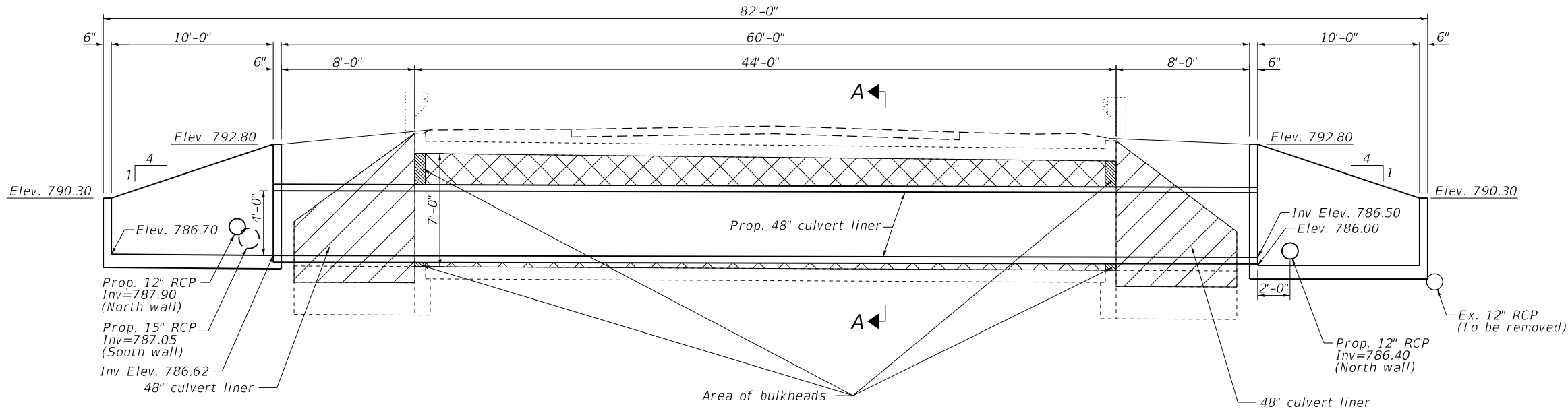
**PRECAST CONCRETE LAGGING DETAILS**

**PRECAST CONCRETE FILLER LAGGING DETAILS**

Note: Reinforcement bars a4 and s included in Precast Concrete Lagging.

MODEL: Default; FILE NAME: I:\Work\2016\11\11\DOT16588\_PTB 181\_006\Work Order #6 11.59.22 @ D:\Tech\CADD\_Structural\162025-pts-headwall\162025.dgn

Existing Structure:  
Originally built in 1937 as Section 107  
Structure is a single barrel 6'x7' reinforced  
concrete box culvert, 44' out to out headwalls.  
The existing structure is to remain and be insertion lined.

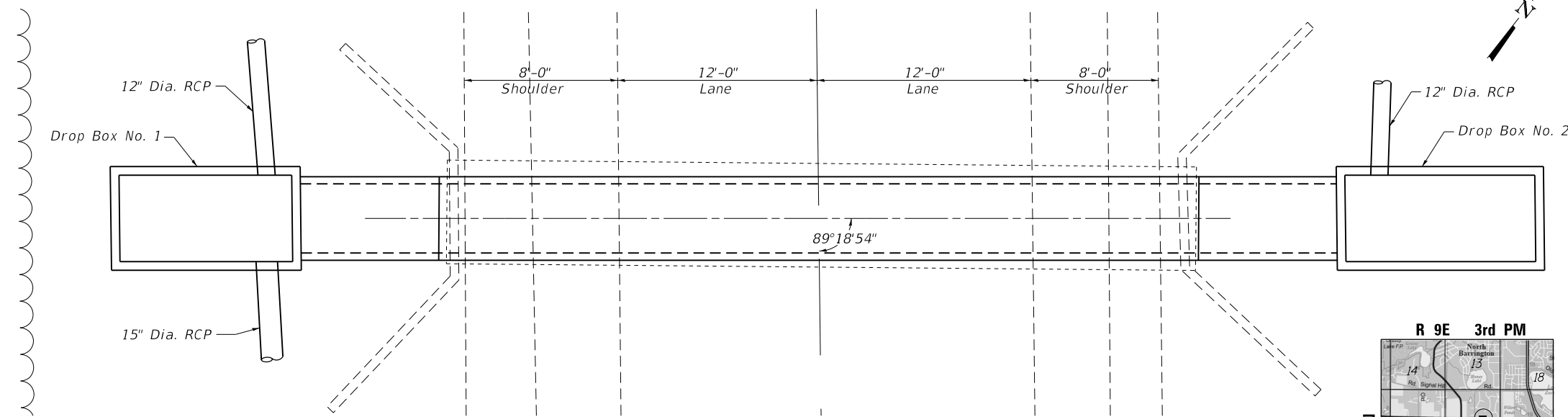


- Grout or Cellular Concrete.  
See Standard Specifications Section 543
- Concrete Removal

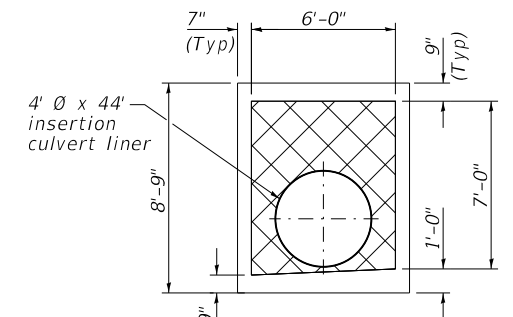
LONGITUDINAL SECTION

CONSTRUCTION SEQUENCE:

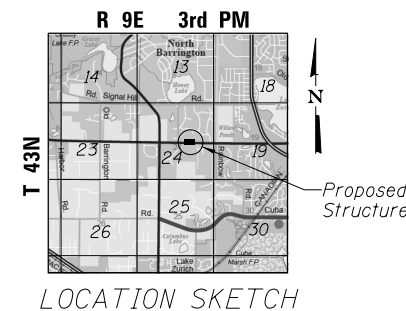
1. Install culvert liner.
2. Build bulkheads at both ends of liner in accordance with Section 543.
3. Fill annular space between liner and box culvert with grout or cellular concrete in accordance with Section 543.



PLAN



SECTION A-A



LOCATION SKETCH

INDEX OF SHEETS

- 1 General Plan and Elevation
- 2 Drop Box No. 1 Details
- 3 Drop Box No. 2 Details

GENERAL NOTES

1. Insertion culvert liner shall extend beyond bulkhead and into each drop box. No joints in liner will be allowed between bulkhead and drop box.
2. The 48" storm sewer extensions on both sides of the proposed 48" pipe liner shall be the same material as pipe liner in accordance with special provision insertion liner (special).

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Insertion Culvert Liner, (Special)	Foot	44
Drop Box No. 1	Each	1
Drop Box No. 2	Each	1
Concrete Removal	Cu. Yd.	12

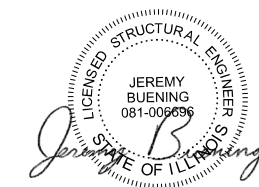
DESIGN SPECIFICATIONS

2013 AASHTO LRFD Bridge Design Specifications, 8th Edition

DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$  psi (cast in place concrete)  
 $f_y = 60,000$  psi (Reinforcement)



Jeremy Buening, P.E., S.E.  
License Expires 11/30/18

07/12/2018

Date

GENERAL PLAN AND ELEVATION

IL RTE. 59 OVER DITCH

SECTION 2016-051B

LAKE COUNTY

STATION 198+85.49

STRUCTURE NO. 049-0510

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL RTE. 59 OVER DITCH  
GENERAL PLAN AND ELEVATION

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

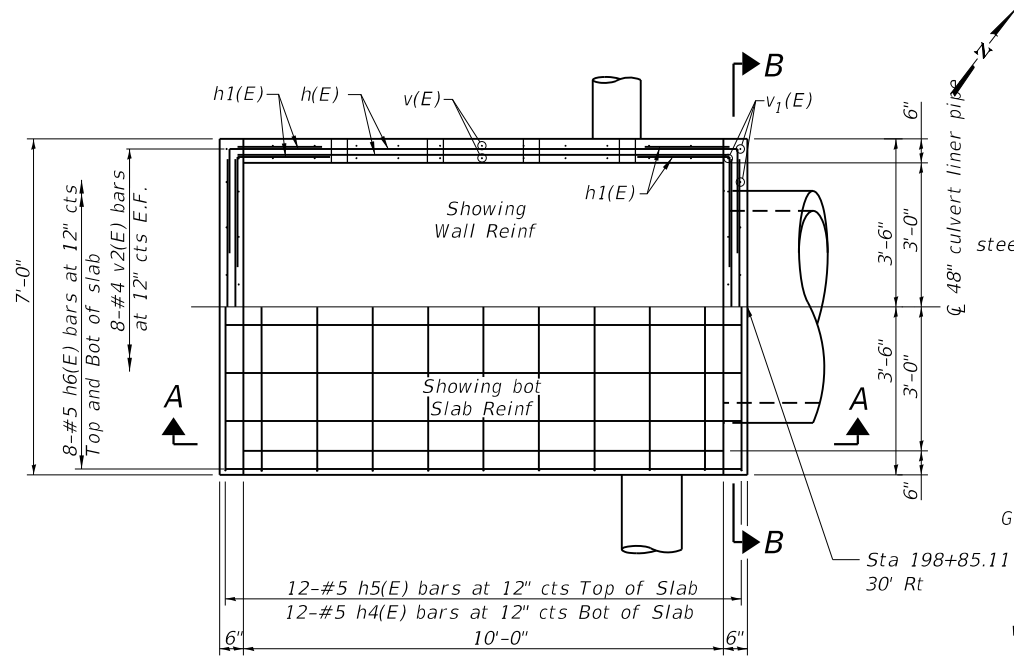
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2016-051B	LAKE	55	32
SN 049-0510		CONTRACT NO. 62D35		

ILLINOIS FED. AID PROJECT

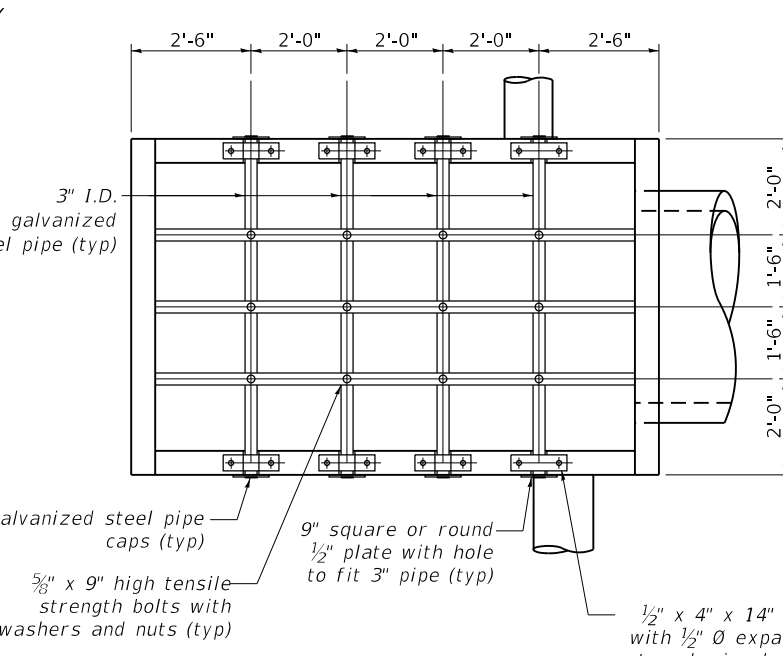
MODEL: Default; FILE NAME: I:\Work\181\_006\Work Order #6 1159 22 @ D:\Tech\CADD\_Structural\181035-ph-culvert\181.dgn

**CHASTAIN & ASSOCIATES LLC**  
CONSULTING ENGINEERS  
184-001397

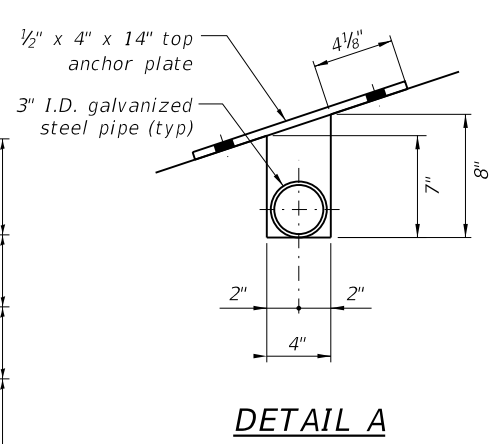
USER NAME = dwozniarski	DESIGNED - BCG	REVISED -
PLOT SCALE = 8,000' / in.	DRAWN - RLK	REVISED -
PLOT DATE = 8/17/2018	CHECKED - JMB	REVISED -
	DATE - 07-13-2018	REVISED -



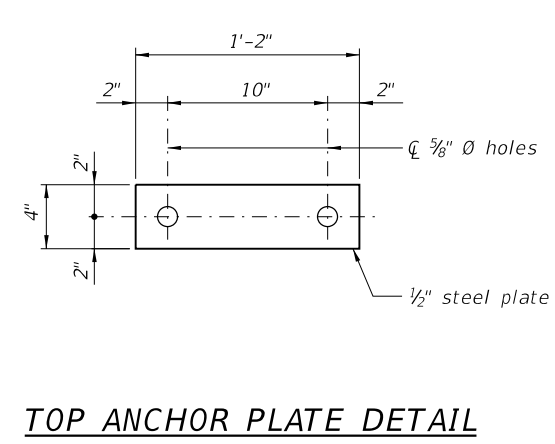
PLAN VIEW - DROP STRUCTURE



PIPE GRATE PLAN VIEW



DETAIL A



TOP ANCHOR PLATE DETAIL

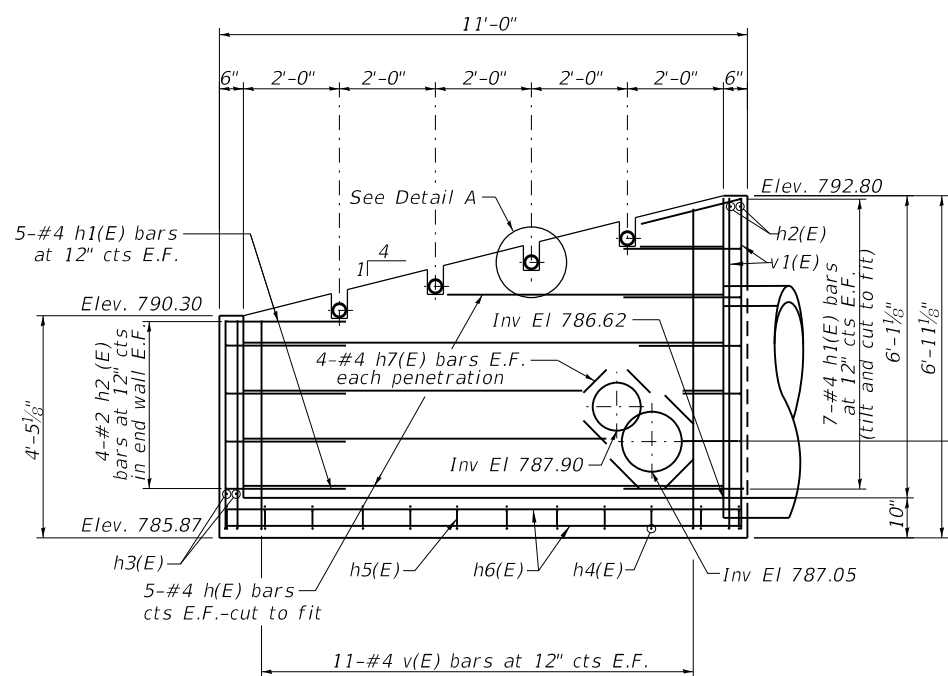
BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
h(E)	20	#4	10'-8"	—	
h1(E)	48	#4	4'-6"	└	
h2(E)	14	#4	6'-8"	—	
h3(E)	8	#4	3'-6"	—	
h4(E)	12	#5	6'-3"	—	
h5(E)	12	#5	7'-10"	—	
h6(E)	16	#5	10'-8"	—	
h7(E)	16	#4	2'-0"	—	
v(E)	22	#4	15'-8"	└	
v1(E)	8	#4	9'-1"	└	
v2(E)	8	#4	6'-7"	└	
* Concrete Structures				Cu. Yd.	8.7
* Reinforcement Bars, Epoxy Coated				Pound	1060
Drop Box No. 1				Each	1

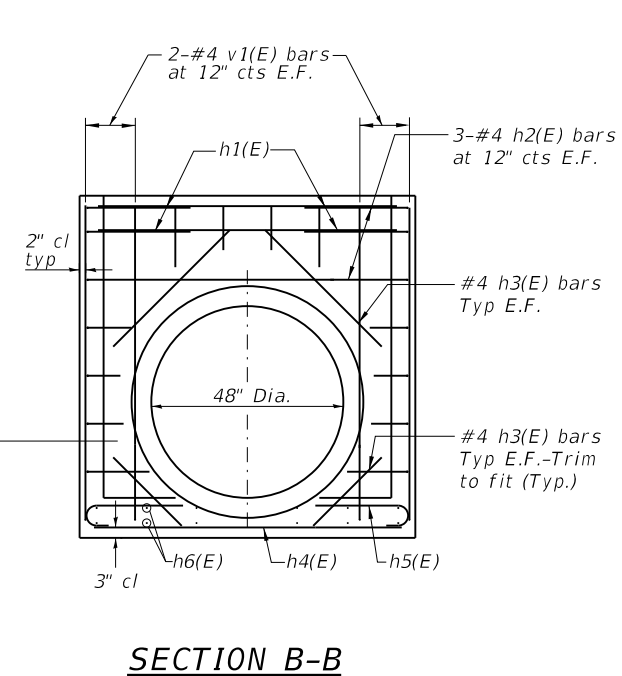
\*For Information Only

MIN BAR LAP

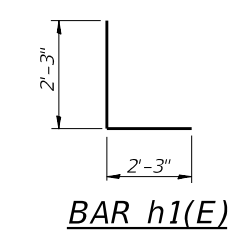
#4 bar = 2'-7"



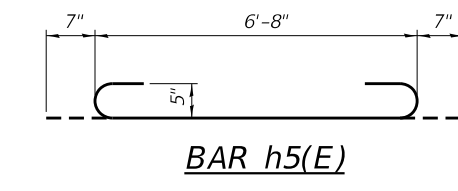
SECTION A-A  
(Typical both sidewalls)



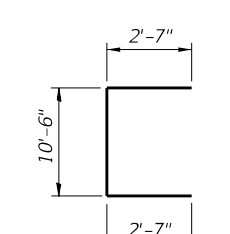
SECTION B-B  
(View of east wall)



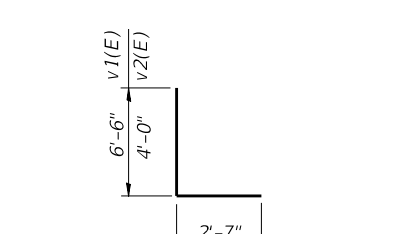
BAR h1(E)



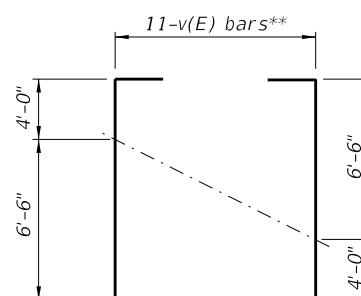
BAR h5(E)



BAR v(E)



BARS v1(E) & v2(E)



FIELD CUTTING DIAGRAM

\*\*Order bars as full length. Cut as shown and use remainder in opposite end of wall.

GENERAL NOTES

Steel pipes shall conform to ASTM A53 (Type E or S) Grade 8, Schedule 40 and shall be galvanized conforming to ASTM A120.  
 Steel plate shall conform to AASHTO M-183 and shall be galvanized conforming to AASHTO M-111.  
 Bolts, nuts and washers shall be in accordance with Article 1006.08 of the Standard Specifications and shall be galvanized.  
 Exposed edges shall be beveled 3/4".  
 Structure excavation, backfill, concrete, reinforcement bars and steel pipes with hardware shall be included in cost of Drop Box No. 1.

MODEL: Default  
 FILE NAME: I:\RTE\_59\_OVER\_DITCH\_DROP\_BOX\_NO\_1\_DETAILS.dwg  
 PLOT SCALE = 8,0000 ' / in.  
 PLOT DATE = 8/17/2018

**CHASTAIN & ASSOCIATES LLC**  
 CONSULTING ENGINEERS  
 184-001397

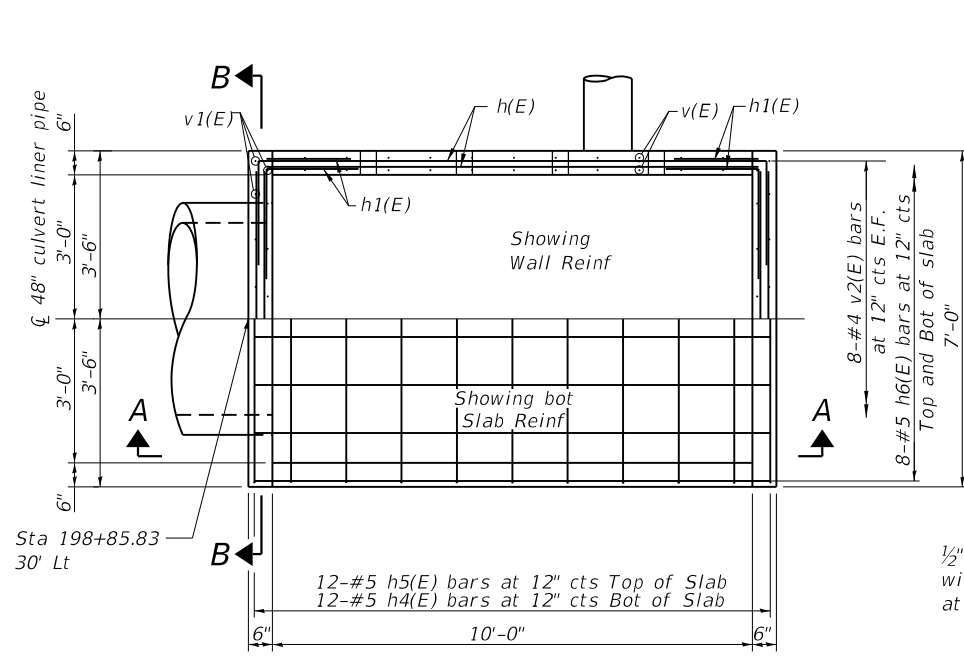
USER NAME = dwozniarski	DESIGNED - BCG	REVISED -
PLOT SCALE = 8,0000 ' / in.	DRAWN - RLK	REVISED -
PLOT DATE = 8/17/2018	CHECKED - JMB	REVISED -
	DATE - 07-13-2018	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

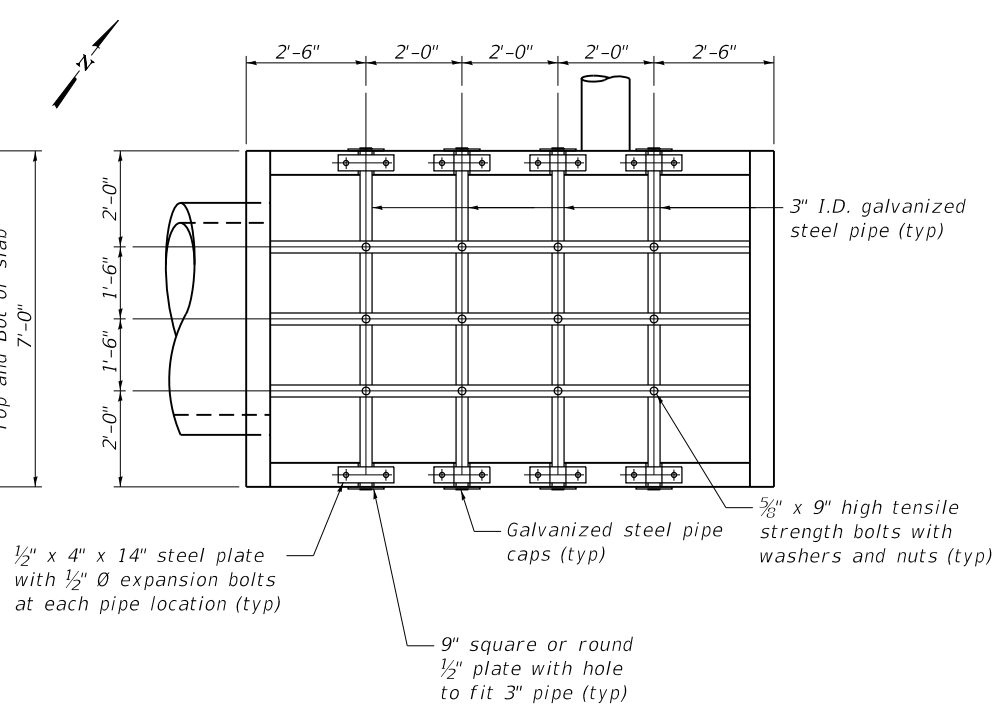
IL RTE. 59 OVER DITCH  
 DROP BOX NO. 1 DETAILS

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

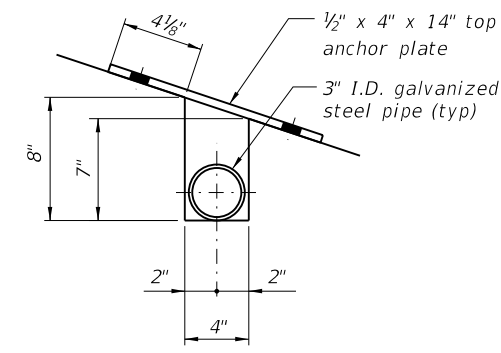
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2016-051B	LAKE	55	33
SN 049-0510		CONTRACT NO. 62D35		
ILLINOIS		FED. AID PROJECT		



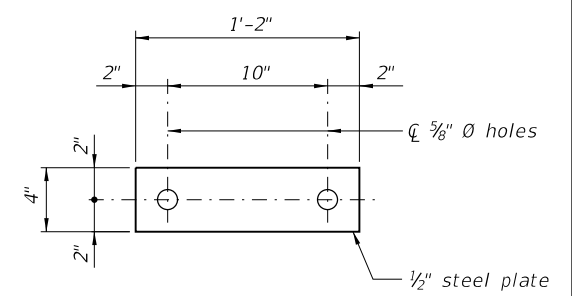
**PLAN VIEW - DROP STRUCTURE**



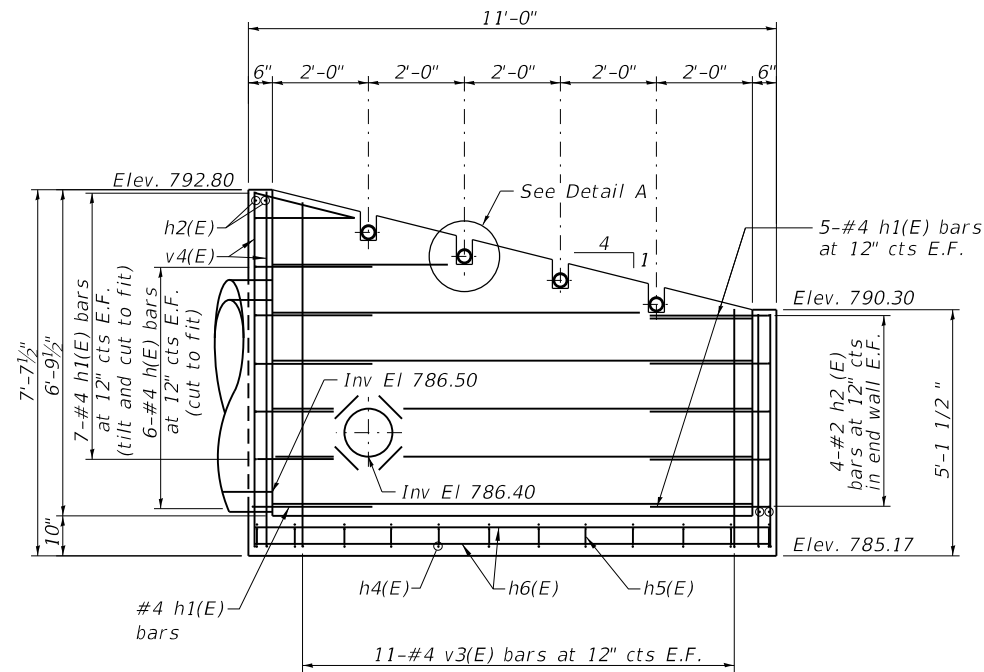
**PIPE GRATE PLAN VIEW**



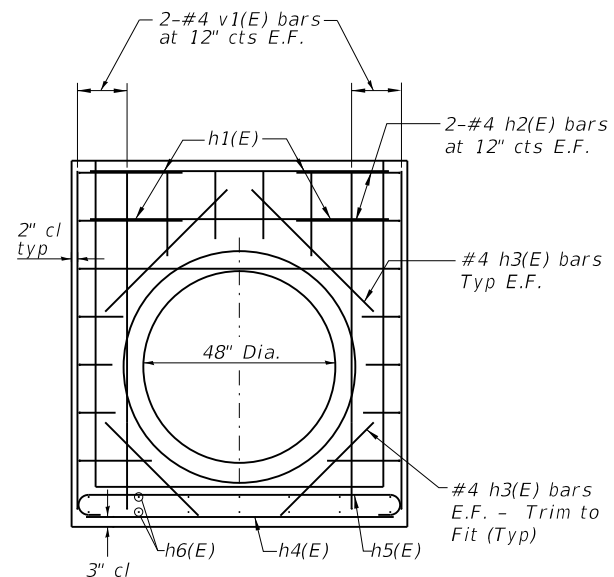
**DETAIL A**



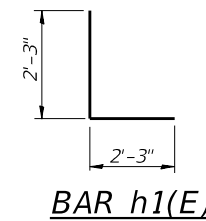
**TOP ANCHOR PLATE DETAIL**



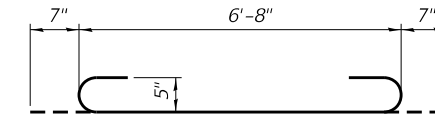
**SECTION A-A**  
(Typical both sidewalls)



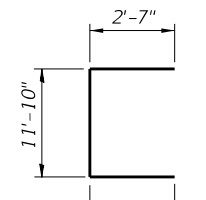
**SECTION B-B**  
(View of west wall)



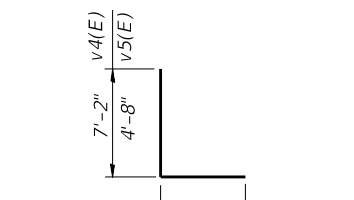
**BAR h1(E)**



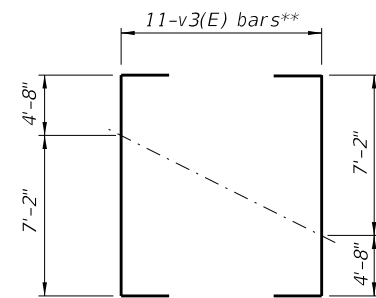
**BAR h5(E)**



**BAR v3(E)**



**BARS v4(E) & v5(E)**



**FIELD CUTTING DIAGRAM**

\*\*Order bars as full length.  
Cut as shown and use  
remainder in opposite face.

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape	
h(E)	24	#4	10'-8"	—	
h1(E)	48	#4	4'-6"	└	
h2(E)	12	#4	6'-8"	—	
h3(E)	8	#4	3'-6"	—	
h4(E)	12	#5	6'-8"	—	
h5(E)	12	#5	7'-10"	—	
h6(E)	16	#5	10'-8"	—	
h7(E)	16	#4	2'-6"	—	
v3(E)	22	#4	17'-0"	└	
v4(E)	8	#4	9'-9"	└	
v5(E)	8	#4	7'-3"	—	
* Concrete Structures				Cu. Yd.	9.0
* Reinforcement Bars, Epoxy Coated				Pound	1110
Drop Box No. 2				Each	1

\*For Information Only

**MIN BAR LAP**

#4 bar = 2'-7"

**GENERAL NOTES**

Steel pipes shall conform to ASTM A53 (Type E or S) Grade 8, Schedule 40 and shall be galvanized conforming to ASTM A120.

Steel plate shall conform to AASHTO M-183 and shall be galvanized conforming to AASHTO M-111.

Bolts, nuts and washers shall be in accordance with Article 1006.08 of the Standard Specifications and shall be galvanized.

Exposed edges shall be beveled 3/4".

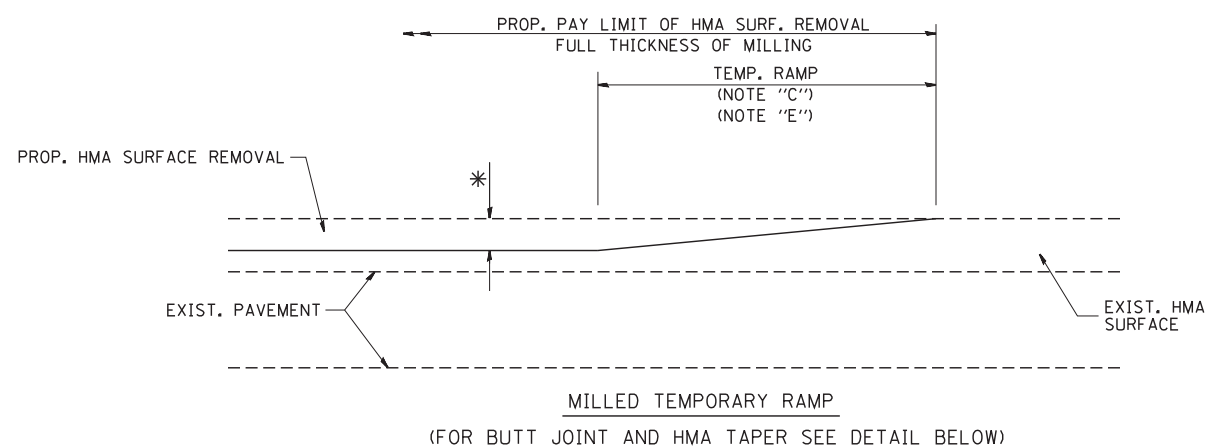
Structure excavation, backfill, concrete, reinforcement bars and steel pipes with hardware shall be included in cost of Drop Box No. 2.

MODEL: Default; FILE NAME: I:\RTE\_59\Work Order #6 IL59\_22 @ D:\RTE59\CADD\_Structural\162D35-rlc-culvert.dwg

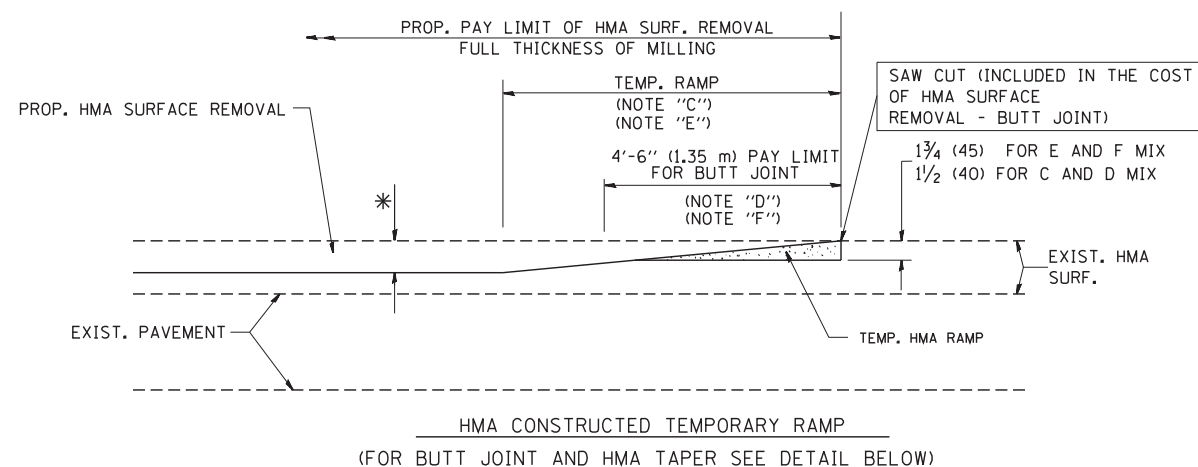






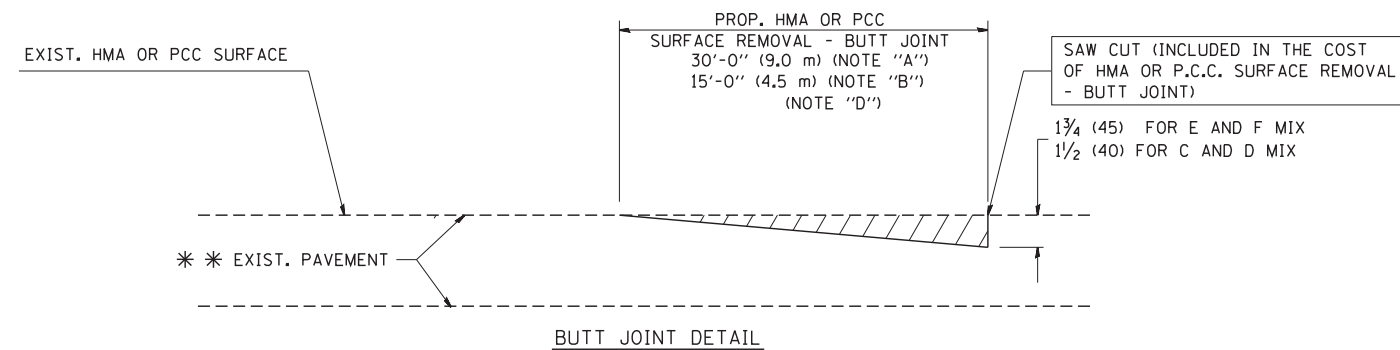


**OPTION 1**

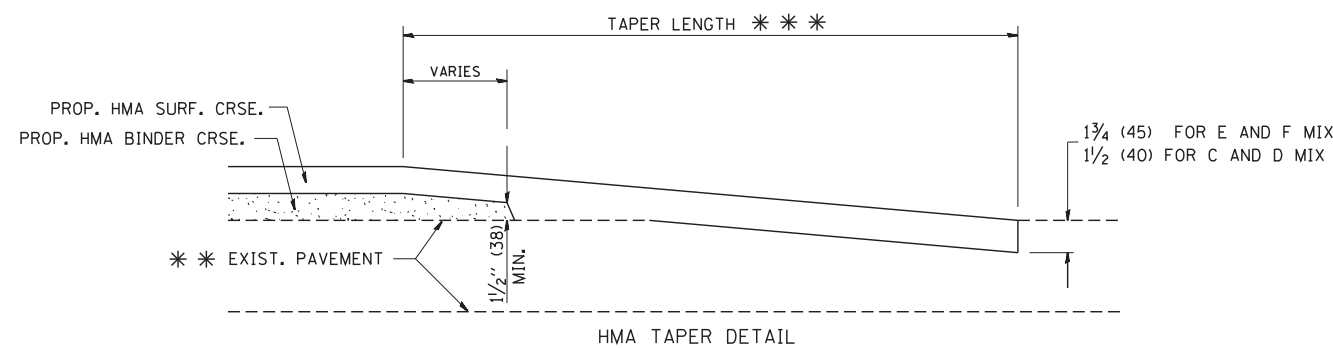


**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

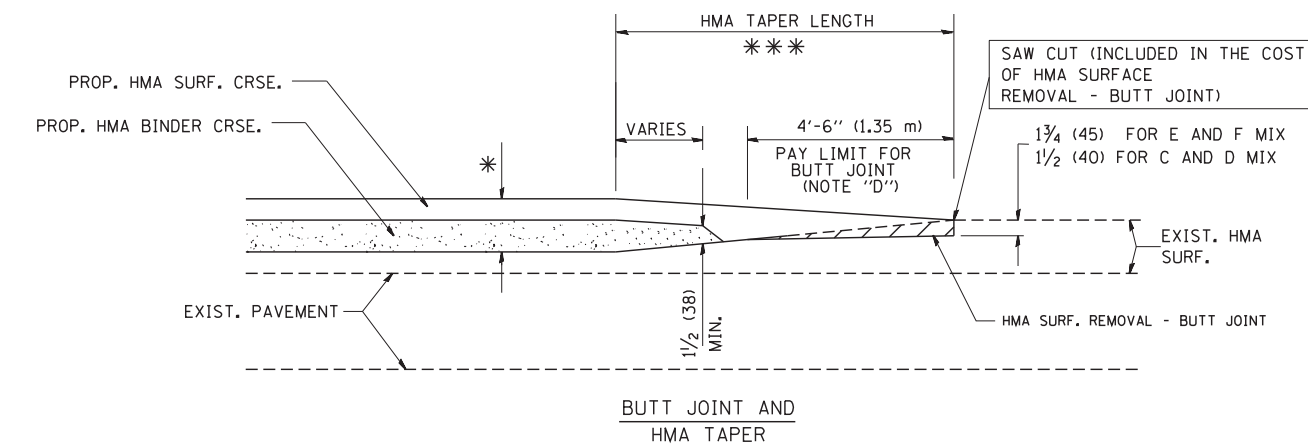
\* \* PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

**NOTES**

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

**BASIS OF PAYMENT:**

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



**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**

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

\* 338/337

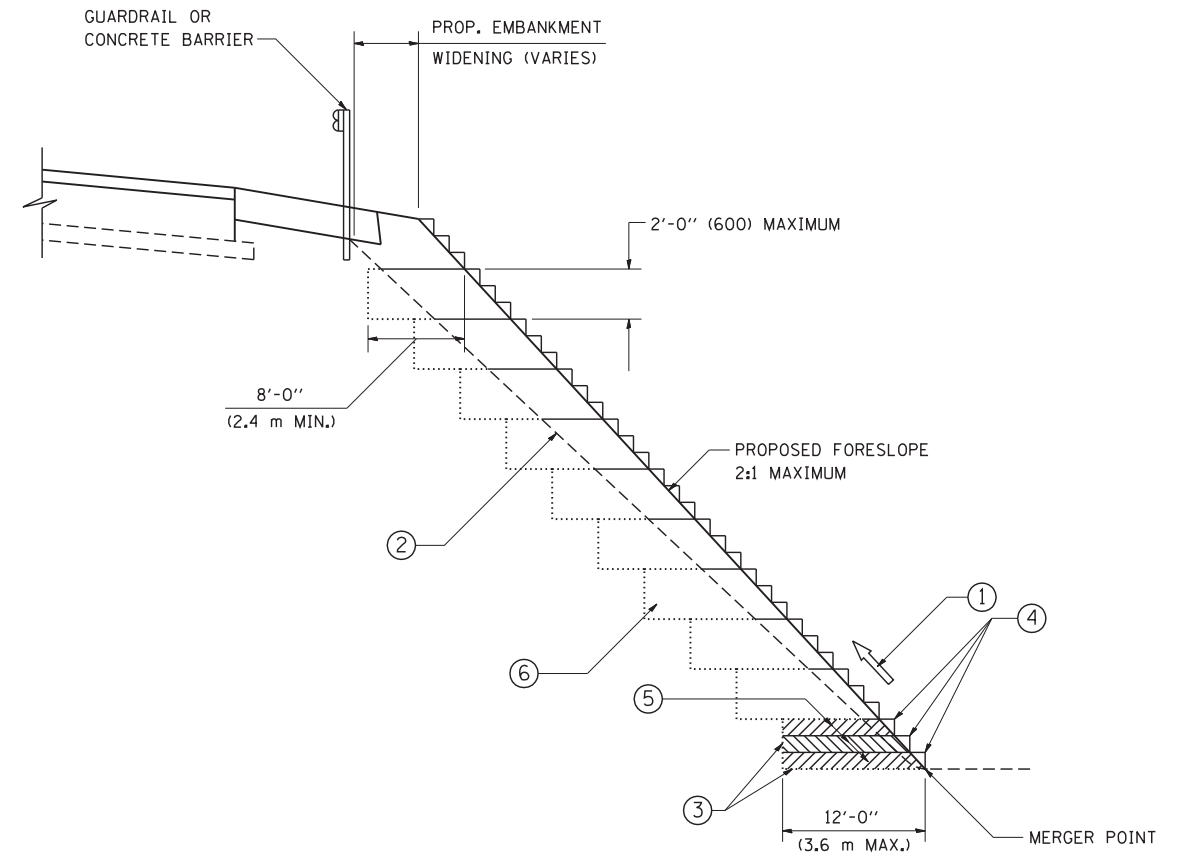
FILE NAME = W:\diststd\22x34\bd32.dgn	USER NAME = gaglianobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND  
HMA TAPER DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2016-051B	LAKE	55	37
BD400-05 BD32			CONTRACT NO. 62D35	
FED. ROAD DIST. NO. 1 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).

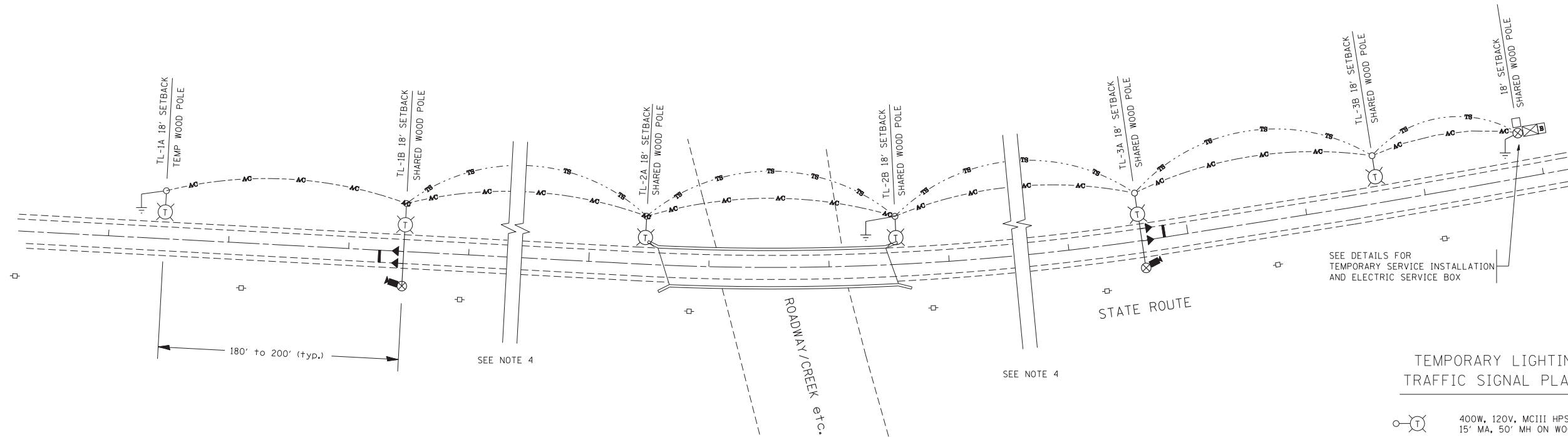
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)  
\* 338/337 UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\bd51.dgn	USER NAME = gegl10nbt	DESIGNED -	REVISED -
		DRAWN - CADD	REVISED -
		CHECKED - S.E.B.	REVISED -
		DATE - 06-16-04	REVISED -

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

<b>BENCHING DETAIL</b>			
<b>FOR EMBANKMENT WIDENING</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2016-051B	LAKE	55	38
<b>BD-51</b>		CONTRACT NO. 62D35		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



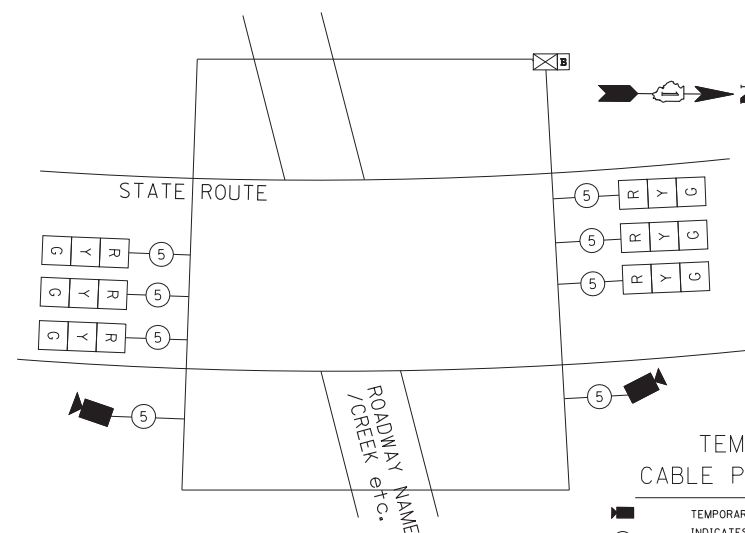
TYPICAL LAYOUT FOR TEMPORARY LIGHTING AND TRAFFIC SIGNALS  
NOT TO SCALE

GENERAL NOTES:

- CONTACT TO THE ELECTRIC UTILITY SHALL BE INITIATED BEFORE THE PRECONSTRUCTION MEETING, AND DOCUMENTATION OF CONTACT SHALL BE PRESENTED AT THAT MEETING. NO PLACEMENT OF POLES WILL BE ALLOWED WITHOUT EVIDENCE OF A SIGNED AGREEMENT WITH THE ELECTRIC UTILITY, FURNISHED TO THE ENGINEER.
- UNLESS OTHERWISE INDICATED, AND EXCEPT AS OTHERWISE NOTED, THIS STANDARDIZED LAYOUT SHALL APPLY FOR BRIDGES NOT EXCEEDING A 250-FOOT SPAN. FOR BRIDGE SPANS IN EXCESS OF 250 FEET, THE POLES IMMEDIATELY ADJACENT TO THE BRIDGE SHALL BE 100-FOOT POLES (90-FOOT MOUNTING HEIGHT), WITH 750-WATT TYPE III HIGH PRESSURE SODIUM HIGH-MAST LUMINAIRES AS APPROVED BY THE ENGINEER.
- THE LAYOUT OF THE TEMPORARY EQUIPMENT WILL VARY BASED ON FIELD CONDITIONS, STAGING, UTILITY IMPACTS, AND THE ELECTRIC SERVICE LOCATION AS COORDINATED WITH THE ELECTRIC UTILITY. THE CONTRACTOR SHALL SUBMIT A PLAN INDICATING THE SETTING OF POLES, TRAFFIC SIGNALS, AND COMBINED SERVICE. THIS PLAN MUST BE APPROVED BY THE ENGINEER BEFORE ANY POLES ARE PLACED
- THE ELECTRIC SERVICE SHALL BE 240/120V. WHERE 240V SERVICE IS NOT AVAILABLE, THE CONTRACTOR MAY SUBMIT A PROPOSAL FOR 120V SERVICE. DROP CABLE, MAIN BREAKER, AND ALL OTHER SERVICE APPURTENANCES SHALL BE APPROPRIATELY RATED AND INCLUDED REGARDLESS OF THE SERVICE VOLTAGE APPLIED
- THE TEMPORARY LIGHTING AND TRAFFIC SIGNAL INSTALLATION SHALL SHARE ANY COMMON ELEMENTS SUCH AS WOOD POLES, ELECTRICAL SERVICE, ELECTRIC SERVICE BOX, CABLE, ETC. THE CONTRACTOR SHALL COORDINATE TEMPORARY LIGHTING AND TRAFFIC SIGNAL INSTALLATIONS.
- THE LIGHT POLE SETBACK FROM THE EDGE OF TRAVEL PAVEMENT SHALL BE 18 FT. UNLESS THE LIGHT POLE IS BEHIND GUARDRAIL. THE LIGHT POLES INSTALLED BEHIND THE GUARDRAIL OR BARRIER WALL SHOULD HAVE AT LEAST 8 FT. SETBACK FROM THE BACK OF THE SHOULDER AND OR AS DIRECTED BY THE ENGINEER.
- EACH LIGHTING UNIT SHALL BE CONTROLLED BY A PHOTO CELL MOUNTED ON EACH LUMINAIRE WITH THE LIGHTING CIRCUIT FED FROM THE TEMPORARY SERVICE DISCONNECT BOX. OTHER MEANS OF LUMINAIRE CONTROL CAN BE CONSIDERED IF APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL SPLICE AERIAL CABLE AT THE LIGHT POLE USING HEAT SHRINKABLE CAPS WITH THE FACTORY APPLIED WATERPROOF SEALANT OR AN APPROVED UL LISTED AERIAL TAP DEVICE.
- ALL AREAS DISTURBED UNDER THIS CONTRACT SHALL BE RESTORED TO THE ORIGINAL CONDITION OR BETTER, TO THE SATISFACTION OF THE ENGINEER.

TEMPORARY LIGHTING AND TRAFFIC SIGNAL PLAN LEGEND

- 400W, 120V, MCIII HPS. WITH PHOTO CELL 15' MA, 50' MH ON WOOD POLE, CLASS 4
- 3-1/2" x 2, AERIAL CABLE WITH MESSENGER WIRE UNLESS OTHERWISE NOTED
- TL-1A TEMPORARY LIGHTING UNIT NUMBER - ONE CIRCUIT A
- GROUND ROD 5/8" DIA. x 10'
- COMBINATION LIGHTING AND TRAFFIC POLE MOUNTED ELECTRICAL SERVICE BOX
- TEMPORARY WOOD POLE - NOMINAL 60 FT., CLASS 4
- TEMPORARY LED TRAFFIC SIGNAL HEAD, NUMBER OF SECTION AND DISPLAY AS REQUIRED.
- TEMPORARY TRAFFIC SIGNAL SPAN WIRE, NUMBER OF CONDUCTORS AS REQUIRED.
- TEMPORARY TRAFFIC CONTROLLER WITH UPS AND BOTTOM PLATE MOUNTED TO WOOD POLE
- TEMPORARY VIDEO DETECTOR



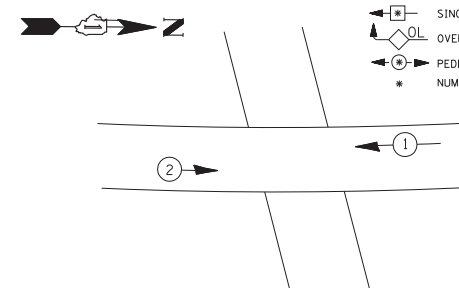
TEMPORARY CABLE PLAN (TYPICAL)  
NOT TO SCALE

TEMPORARY CABLE PLAN LEGEND

- TEMPORARY VIDEO DETECTOR
- INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.
- TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION, 12" (300 mm)

TEMPORARY PHASE DESIGNATION DIAGRAM LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- \* NUMBER REFERS TO ASSOCIATED PHASE



TEMPORARY PHASE DESIGNATION DIAGRAM (TYPICAL)  
NOT TO SCALE

FILE NAME =	USER NAME = bauerdl	DESIGNED - MP	REVISED -
ca:\pwwork\pwwork\BAUERDL\dl0108315\be805.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE - 01/14/10	REVISED -

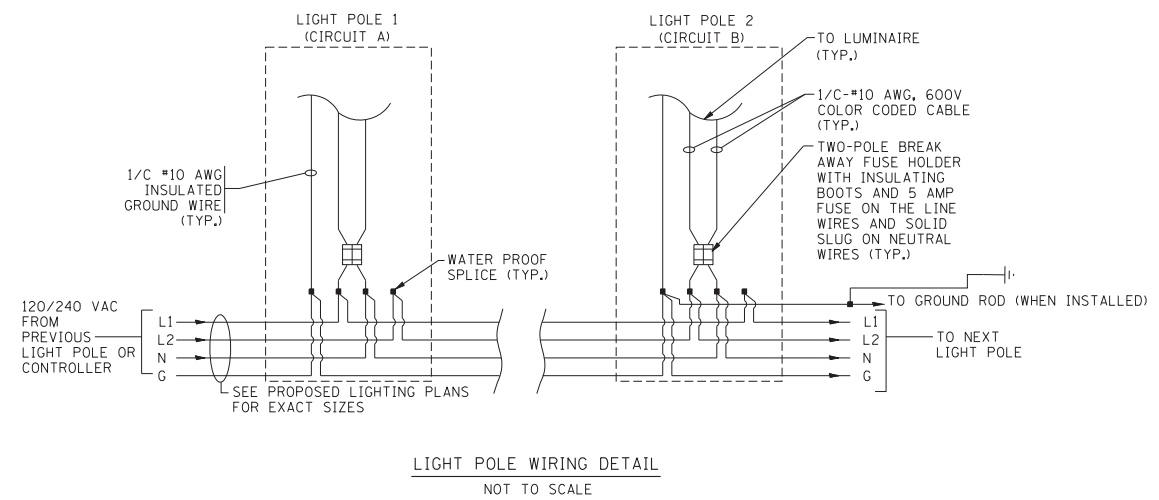
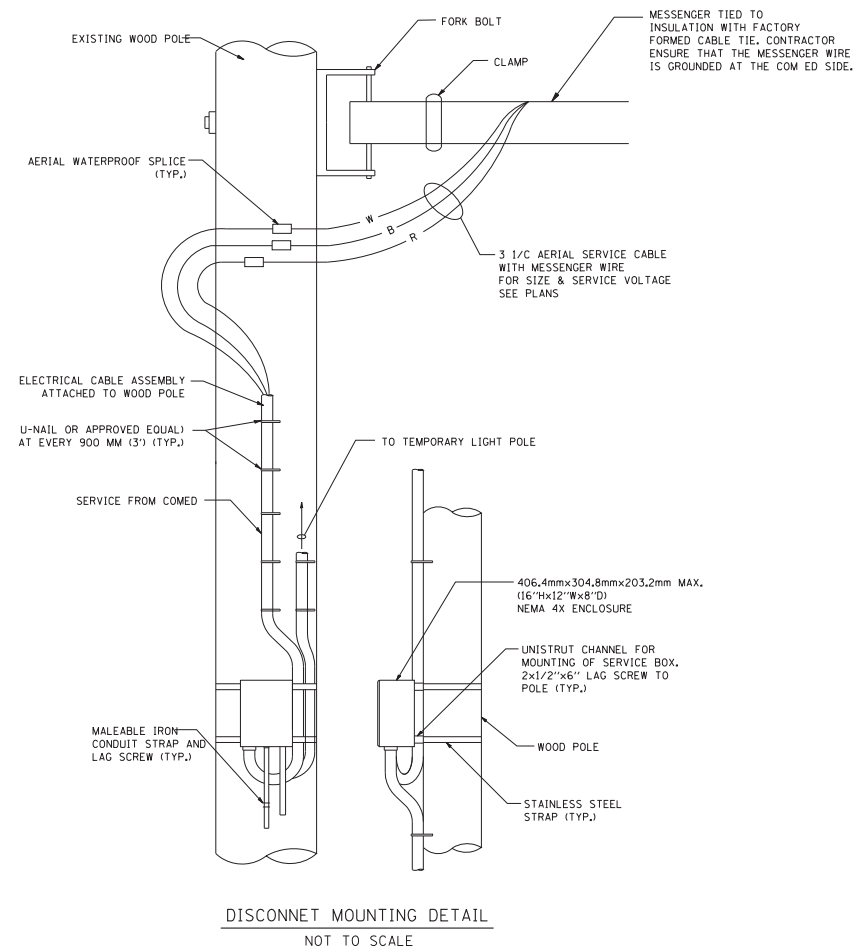
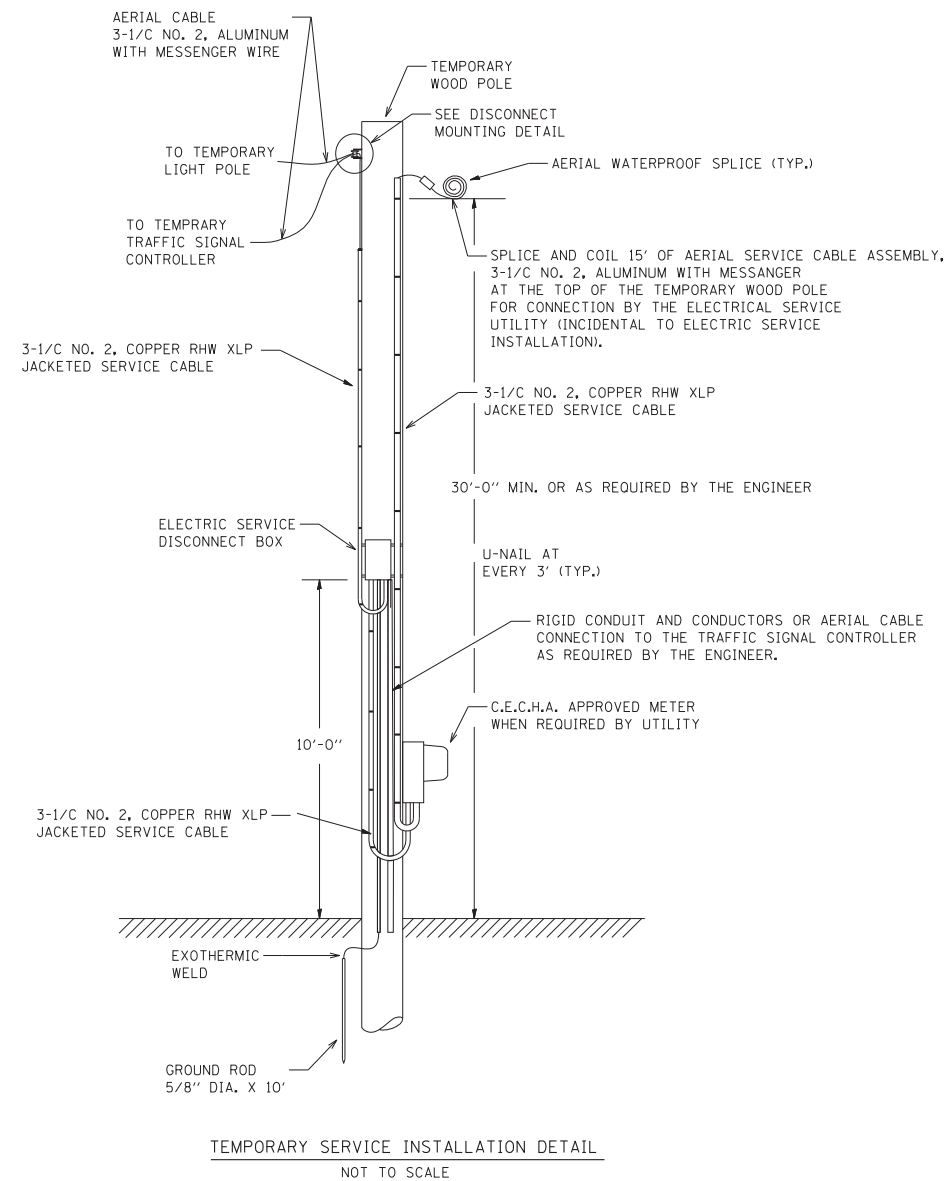
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING AND TRAFFIC SIGNALS  
FOR SINGLE LANE STAGING

SCALE: NONE SHEET NO. 1 OF 3 SHEETS STA. TO STA.

\* 338/337

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2016-051B	LAKE	55	39
BE-805		CONTRACT NO. 62D35		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = bauerdl	DESIGNED - MP	REVISED -
ct:\pw\work\PWIDOT\BAUERDL\d0108315\be805.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE - 01/14/10	REVISED -

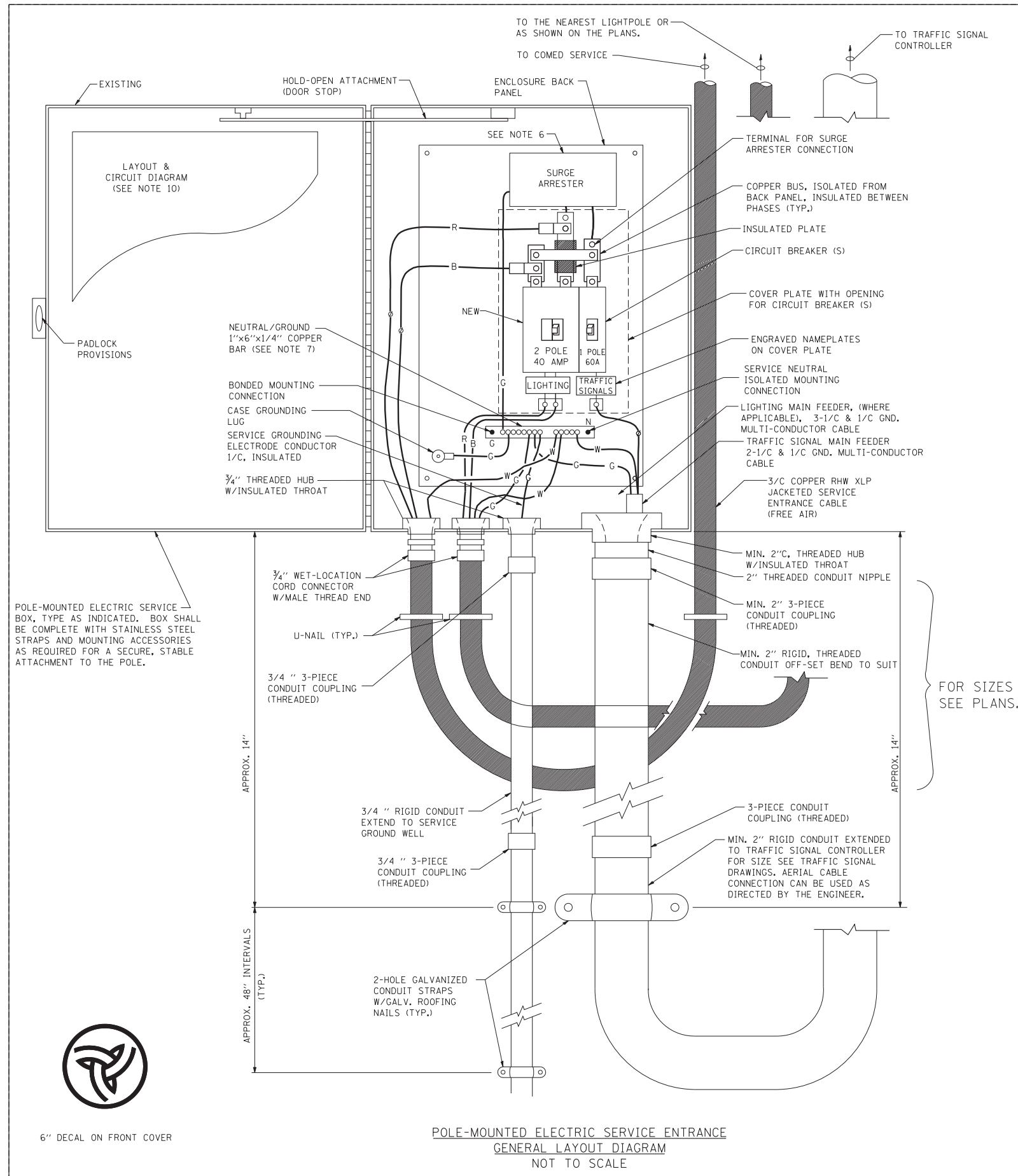
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING AND TRAFFIC SIGNALS  
FOR SINGLE LANE STAGING

SCALE: NONE SHEET NO. 2 OF 3 SHEETS STA. TO STA.

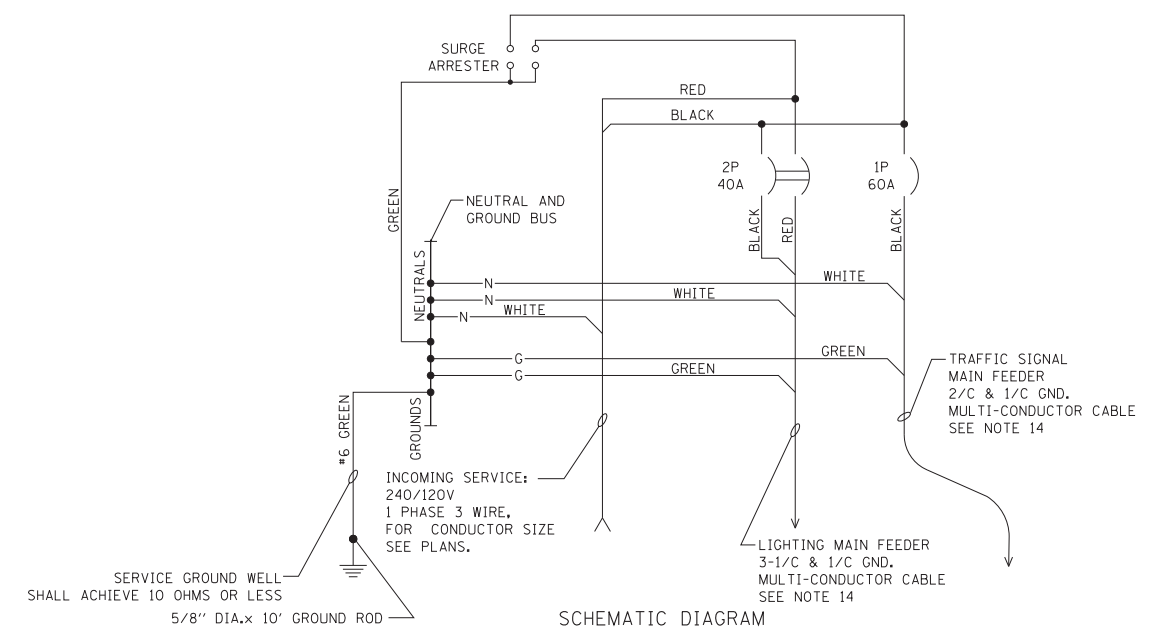
\* 338/337

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2016-051B	LAKE	55	40
BE-805			CONTRACT NO. 62D35	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**NOTES:**

- ELECTRIC SERVICE SHALL BE OF THE VOLTAGE INDICATED OR DESIGNATED BY THE ENGINEER, AND SERVICE DROP CABLE SHALL BE COMPATIBLE WITH THE SERVICE ACCORDINGLY. SOME INSTALLATIONS MAY CALL FOR SERVICE ENTRANCE EQUIPMENT SUITABLE FOR 3-WIRE SERVICE EVEN THOUGH INITIALLY WIRED FOR 2-WIRE SERVICE.
- THE POLE-MOUNTED ELECTRIC SERVICE BOX SHALL BE CONFIGURED AND FULLY EQUIPPED FOR 240/120V 3W SERVICE, COMPLETE WITH LIGHTING MAIN BREAKER AND TRAFFIC SIGNALS MAIN BREAKER AS REQUIRED.
- THE ELECTRIC SERVICE EQUIPMENT ASSEMBLY SHALL BE UL LISTED AS SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT.
- THE ELECTRIC SERVICE EQUIPMENT ENCLOSURE SHALL BE NEMA 4X STAINLESS STEEL, NOMINALLY 12"W X 16"H X 8"D, WITH A PIANO-HINGED DOOR, STEEL BACK PANEL, FAST-ACTING STAINLESS STEEL ENCLOSURE CLAMPS, PADLOCK PROVISIONS AND DOOR STOP, HOFFMAN CATALOG NO. A-16H1208SS6LP/A-16 P12/A-DSTOPK/C-PMK12, OR APPROVED EQUAL.
- CIRCUIT BREAKERS SHALL BE THERMAL MAGNETIC BOLT-ON TYPE WITH A MINIMUM INTERRUPTING CAPACITY OF 25,000 SYMMETRICAL AMPERES AT 240 VOLTS. THEY SHALL BE LOCKABLE IN THE "OFF" POSITION FOR COMPLIANCE WITH OSHA LOCK-OUT/TAG-OUT REQUIREMENTS. HANDLES SHALL BE TRIP FREE.
- THE SURGE PROTECTOR SHALL BE SUITABLE FOR THE SERVICE VOLTAGE SINGLE PHASE 60HZ AC, WITH A SURGE ENERGY CAPABILITY OF 2160 JOULES OR BETTER AT 8/20 MICRO-SECONDS, RATED -40 TO 60 DEGREES C., WITH LED OPERATING INDICATORS, AND SHALL BE UL LISTED PER UL 1449, CUTLER-HAMMER CM0V230L065XST OR APPROVED EQUAL.
- BUS BARS, CONNECTORS, AND LUGS SHALL BE COPPER, INSULATED AND ISOLATED, AND CONFIGURED TO PREVENT SHORTED CONDITIONS FROM TIGHTENING TERMINATIONS, ETC. THE OVERALL BUS SECTION SHALL BE CONFIGURED BEHIND AN INSULATING BARRIER SHIELD WHICH IS REMOVABLE FOR ACCESS TO CONNECTIONS, OR THE ASSEMBLY SHALL BE A MANUFACTURED SPECIALTY PANELBOARD, CUTLER-HAMMER PRL2A OR APPROVED EQUAL.
- THE COMBINATION GROUND AND NEUTRAL BAR SHALL BE CONFIGURED WITH SEPARATE GROUND AND NEUTRAL SECTIONS AND SPARE TERMINALS AS INDICATED. THE HEADS OF GROUND SCREWS SHALL BE PAINTED GREEN. THE HEADS OF NEUTRAL SCREWS SHALL BE PAINTED WHITE. THE SERVICE NEUTRAL AND SERVICE GROUNDING ELECTRODE CONDUCTOR SHALL BE TERMINATED ADJACENT TO EACH OTHER AT THE DIVIDE BETWEEN THE SECTIONS AND WIRING SHALL BE TERMINATED ONLY UPON THE APPROPRIATE SECTION.
- THE WIRING TERMINALS, INCLUDING THE GROUND/NEUTRAL BAR SHALL BE ARRANGED TO PROVIDE ADEQUATE ROOM FOR PERFORMING FIELD TERMINATIONS.
- A PLASTIC LAMINATED LAYOUT AND CIRCUIT DIAGRAM SHALL BE MECHANICALLY SECURED TO THE INTERIOR SIDE OF THE ENCLOSURE DOOR.
- A 2-COLOR ENGRAVED PLASTIC NAMEPLATE, ATTACHED WITH SCREWS, AND ENGRAVED AS INDICATED, SHALL BE PROVIDED FOR EACH MAIN BREAKER.
- LUGS AND CONNECTORS SHALL BE RATED FOR 75 C CONDUCTOR.
- THE EXACT MOUNTING HEIGHT OF THE BOX SHALL BE FIELD DETERMINED TO AVOID OBSTRUCTIONS AND PUBLIC ACCESS. TYPICAL HEIGHT SHALL BE APPROXIMATELY 10 FEET ABOVE GRADE.



**POLE-MOUNTED ELECTRIC SERVICE ENTRANCE  
GENERAL LAYOUT DIAGRAM  
NOT TO SCALE**

**SCHEMATIC DIAGRAM**

FILE NAME =	USER NAME = bauerdl	DESIGNED - MP	REVISED -
ct:\pwork\PWIDOT\BAUERDL\d0108315\be805.dgn		DRAWN -	REVISED -
PLOT SCALE = 50.000' / IN.		CHECKED -	REVISED -
PLOT DATE = 1/14/2010		DATE - 01/14/10	REVISED -

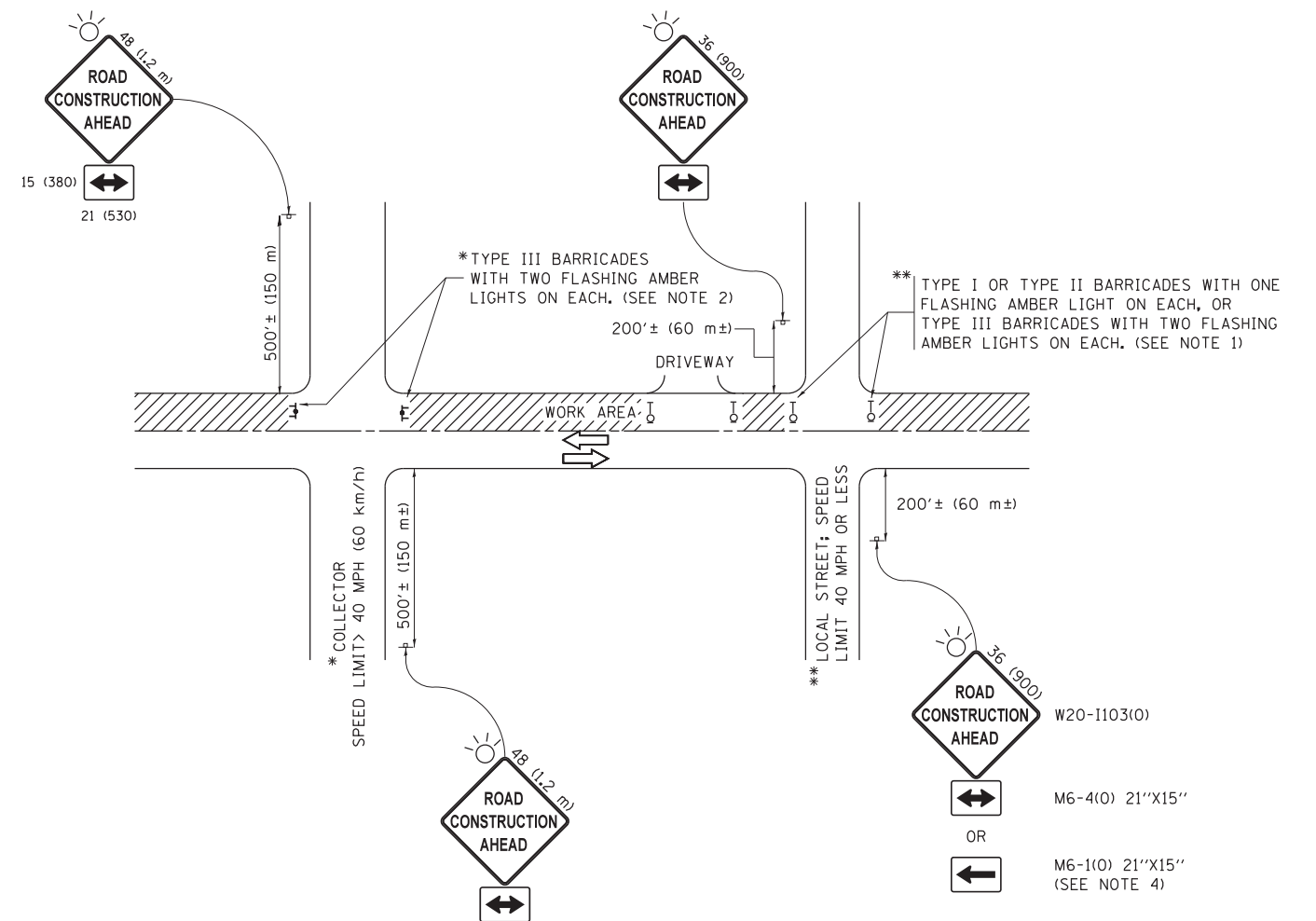
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TEMPORARY LIGHTING AND TRAFFIC SIGNALS FOR SINGLE LANE STAGING</b>			
SCALE: NONE	SHEET NO. 3 OF 3 SHEETS	STA.	TO STA.

* 338/337			
F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS
*	2016-051B	LAKE	55
BE-805		CONTRACT NO.	62D35
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



6" DECAL ON FRONT COVER



**NOTES:**

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.  
 \* 338/337

FILE NAME =	USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\Dist 1\084EBIDINTEG\CADD\to\CAD\sheets\tc10.dgn	DRAWN	CHECKED -	REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 50.000' / in.	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 9/15/2016		REVISED - A. SCHUETZE 09-15-16

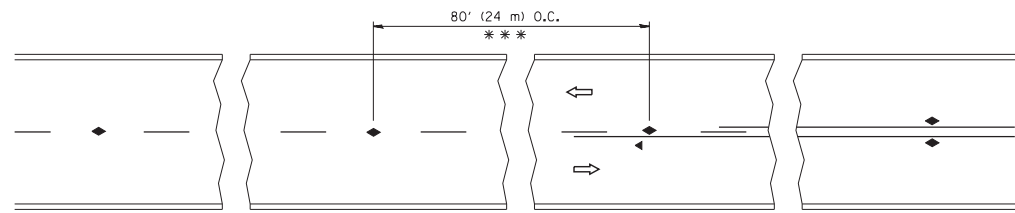
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

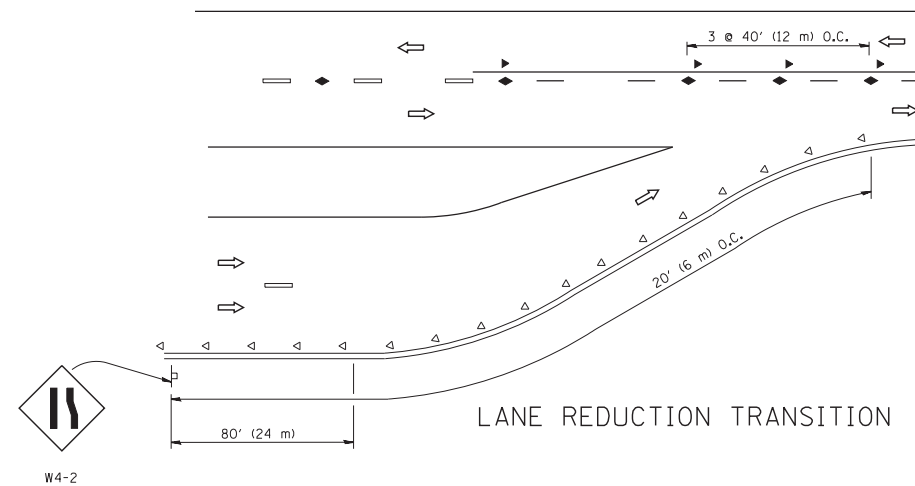
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2016-051B	LAKE	55	42
TC-10			CONTRACT NO. 62D35	
ILLINOIS FED. AID PROJECT				



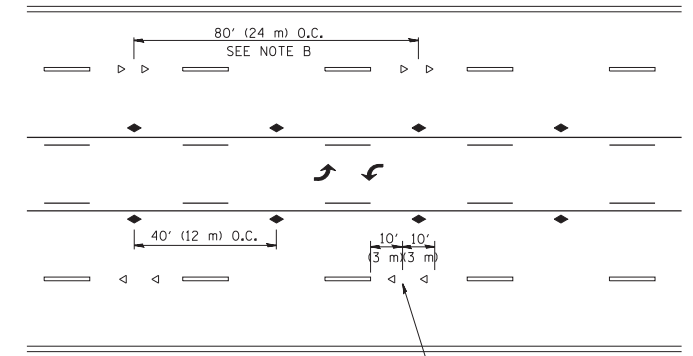


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

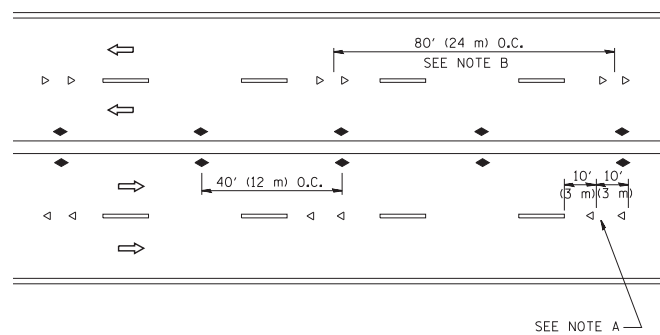
TWO-LANE/TWO-WAY



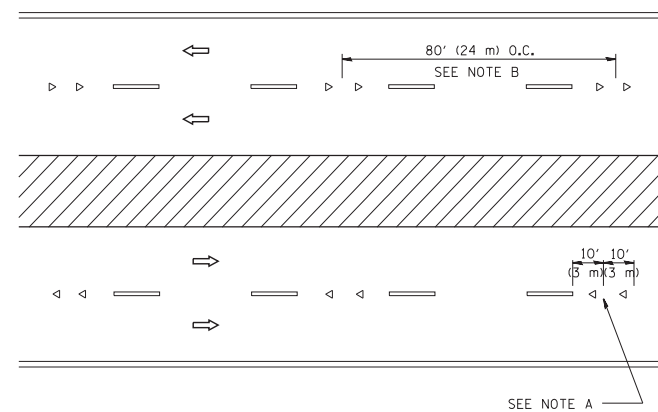
LANE REDUCTION TRANSITION



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

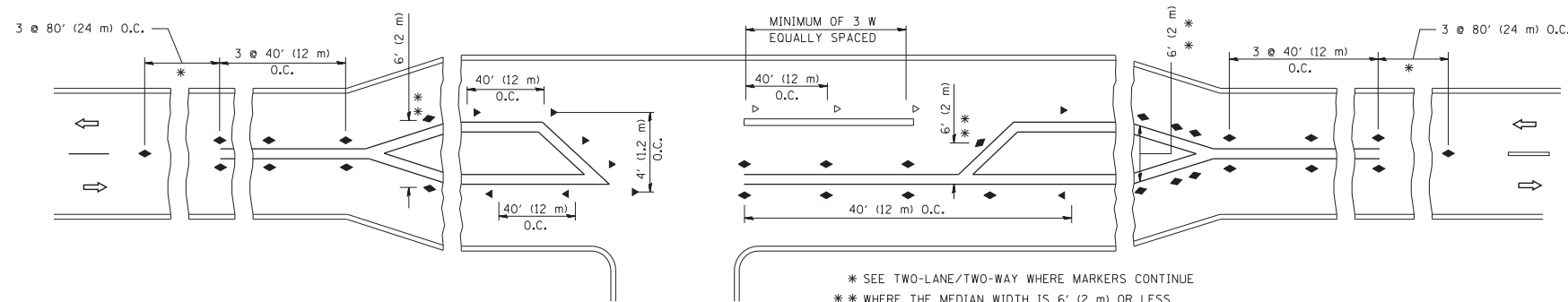
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
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

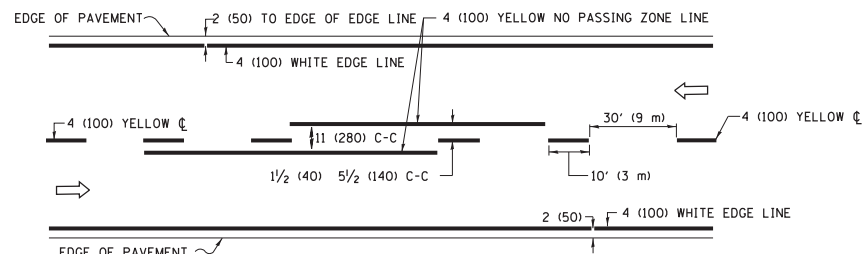
\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
 \*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

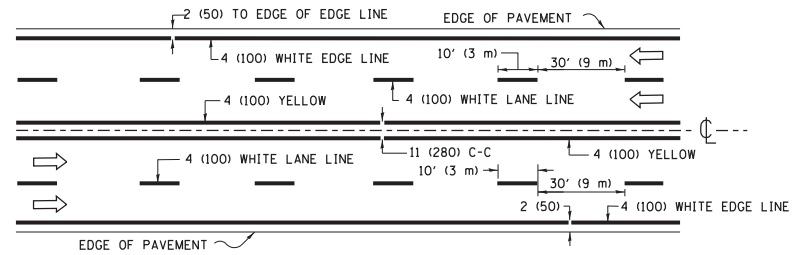
FILE NAME =	USER NAME = lryso	DESIGNED -	REVISED - T. RAMMACHER 09-19-94
ct:\pw\work\p\idot\lryso\d0108315\tc11.dgn		DRAWN -	REVISED - T. RAMMACHER 03-12-99
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 01-06-00
	PLOT DATE = 3/2/2011	DATE -	REVISED - C. JUCIUS 09-09-09

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

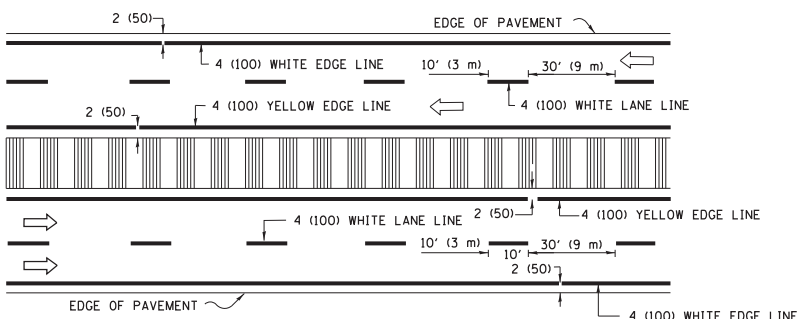
TYPICAL APPLICATIONS		SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)		2016-051B		LAKE	55	43
SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.	
		TC-11		CONTRACT NO. 62D35		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						



**2-LANE ROADWAY**

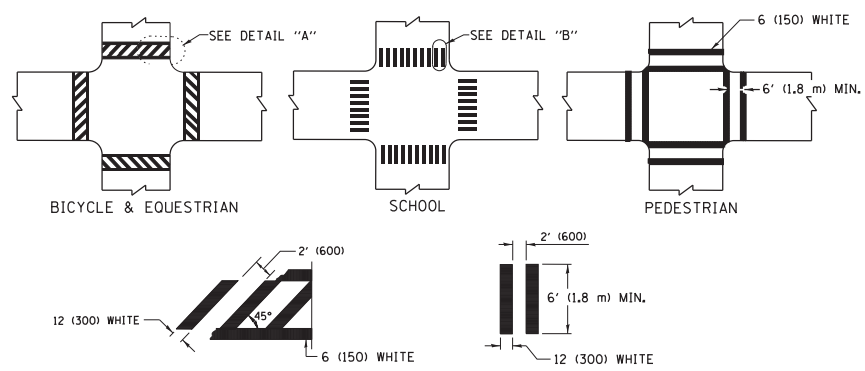


**MULTI-LANE UNDIVIDED**



**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

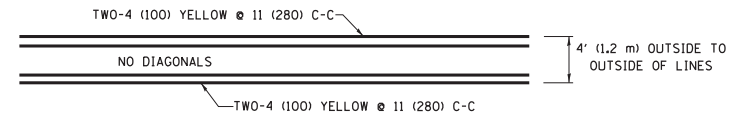


**DETAIL "A"**

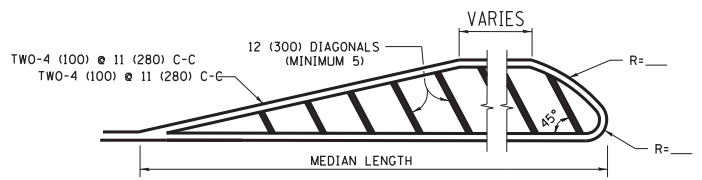
**DETAIL "B"**

**TYPICAL CROSSWALK MARKING**

\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



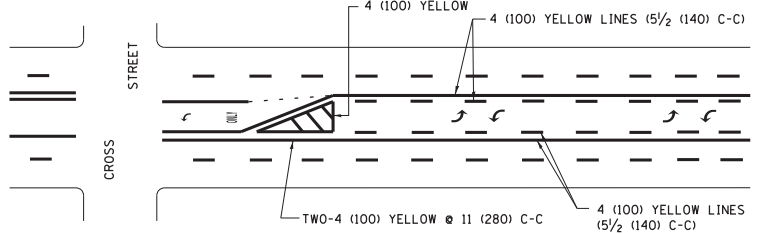
**4' (1.2 m) WIDE MEDIANS ONLY**



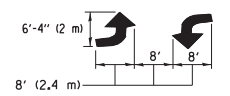
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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**

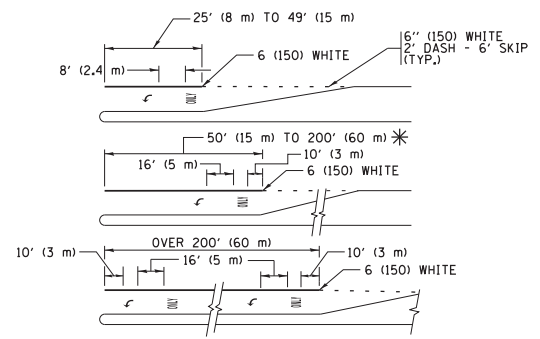


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



**MEDIAN WITH TWO-WAY LEFT TURN LANE**

**TYPICAL PAINTED MEDIAN MARKING**

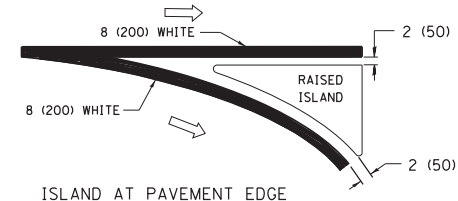
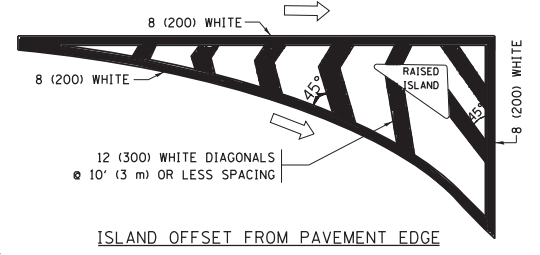


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
 AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

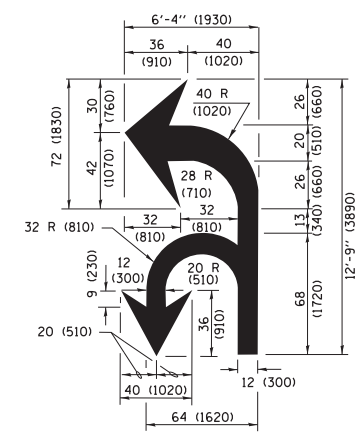
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

**TYPICAL LEFT (OR RIGHT) TURN LANE**

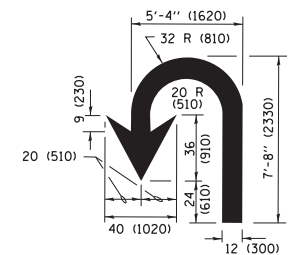
**TYPICAL TURN LANE MARKING**



**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

**LANE REDUCTION TRANSITION**

\* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	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))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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.

\* 338/337

FILE NAME = W:\diststd\22x34\to13.dgn	USER NAME = luyso	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
Default	PLOT SCALE = 50.000' / in.	DRAWN -	REVISED - C. JUCIUS 07-01-13
	PLOT DATE = 6/23/2017	CHECKED -	REVISED - C. JUCIUS 12-21-15
		DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

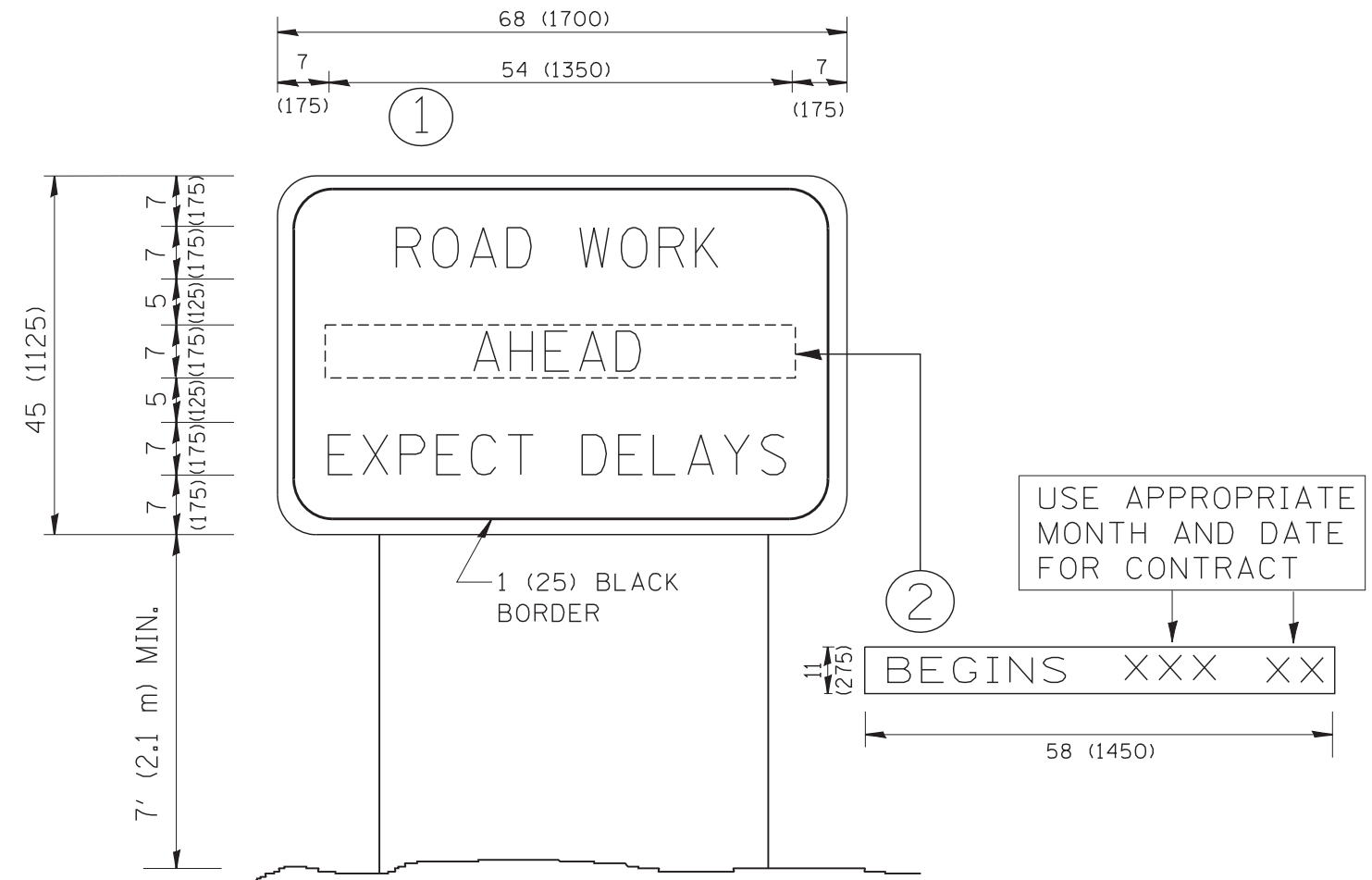
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2016-051B	LAKE	55	44
<b>TC-13</b>		CONTRACT NO. 62D35		
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.

\* 338/337

FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = gegl1onobt	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

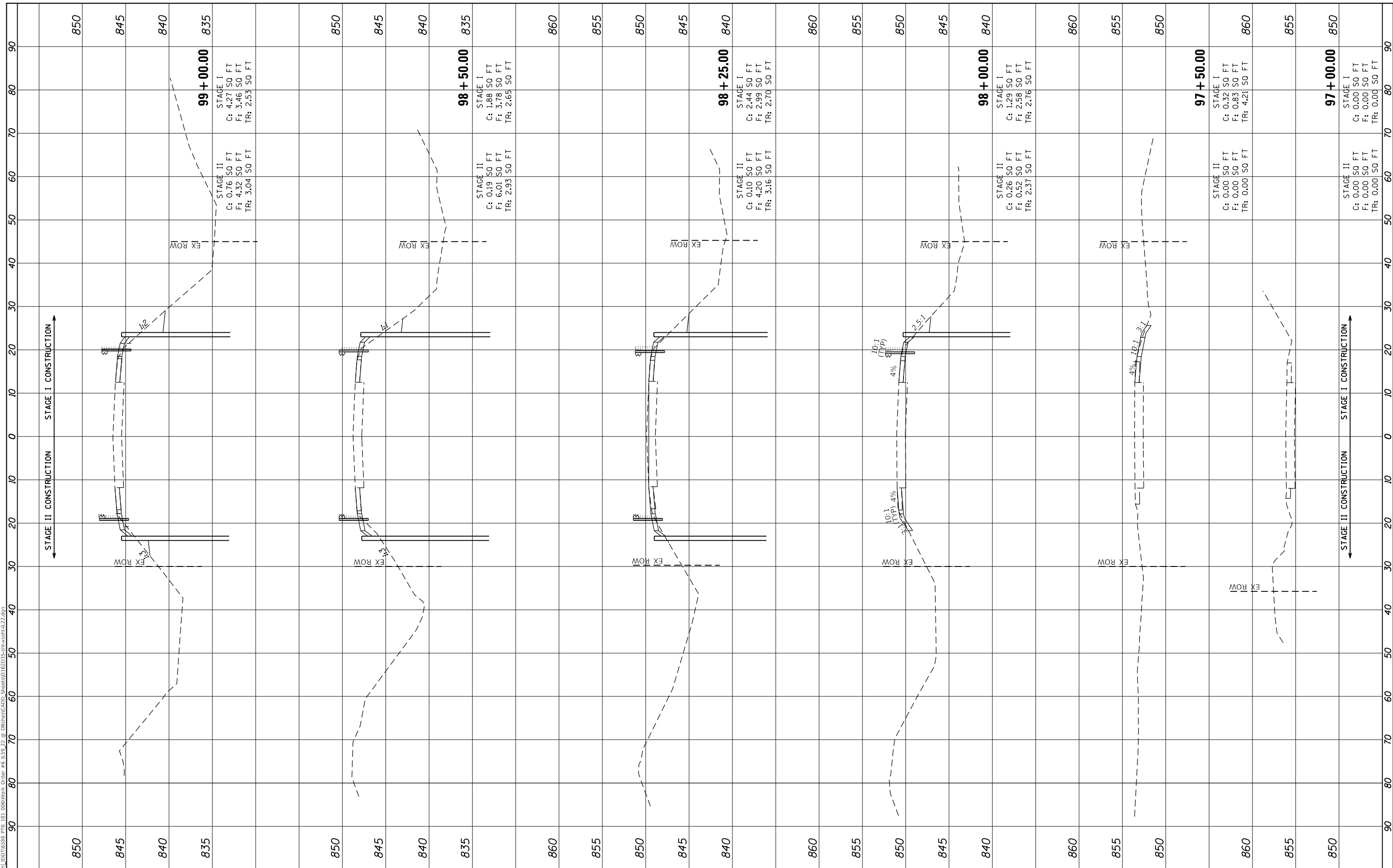
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2016-051B	LAKE	55	45
TC-22			CONTRACT NO. 62D35	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

MODEL: D:\dwg\11\DOT\6235\FB.181.006\Work\_Order #6 IL9 22 @ DIRECTCAD\_Sheets\DOT6235\FB.181.006\Work\_Order #6 IL9 22 @ DIRECTCAD\_Sheets\DOT6235.dgn



**99 + 00.00**  
 STAGE I  
 C: 4.27 SO FT  
 F: 3.46 SO FT  
 TR: 2.53 SO FT  
 STAGE II  
 C: 0.76 SO FT  
 F: 4.32 SO FT  
 TR: 3.04 SO FT

**98 + 50.00**  
 STAGE I  
 C: 1.88 SO FT  
 F: 3.78 SO FT  
 TR: 2.65 SO FT  
 STAGE II  
 C: 0.19 SO FT  
 F: 6.01 SO FT  
 TR: 2.93 SO FT

**98 + 25.00**  
 STAGE I  
 C: 2.44 SO FT  
 F: 2.99 SO FT  
 TR: 2.70 SO FT  
 STAGE II  
 C: 0.10 SO FT  
 F: 4.20 SO FT  
 TR: 3.16 SO FT

**98 + 00.00**  
 STAGE I  
 C: 1.29 SO FT  
 F: 2.58 SO FT  
 TR: 2.76 SO FT  
 STAGE II  
 C: 0.26 SO FT  
 F: 0.52 SO FT  
 TR: 2.37 SO FT

**97 + 50.00**  
 STAGE I  
 C: 0.32 SO FT  
 F: 0.83 SO FT  
 TR: 4.21 SO FT  
 STAGE II  
 C: 0.00 SO FT  
 F: 0.00 SO FT  
 TR: 0.00 SO FT

**97 + 00.00**  
 STAGE I  
 C: 0.00 SO FT  
 F: 0.00 SO FT  
 TR: 0.00 SO FT  
 STAGE II  
 C: 0.00 SO FT  
 F: 0.00 SO FT  
 TR: 0.00 SO FT



USER NAME	= dwozniarski
PLOT SCALE	= 20.00' / in.
PLOT DATE	= 8/17/2018

DESIGNED	- JKP
DRAWN	- DMW
CHECKED	- SPF
DATE	- 03-29-2018

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 22 AT CHUNG'S CREEK  
 CROSS SECTIONS

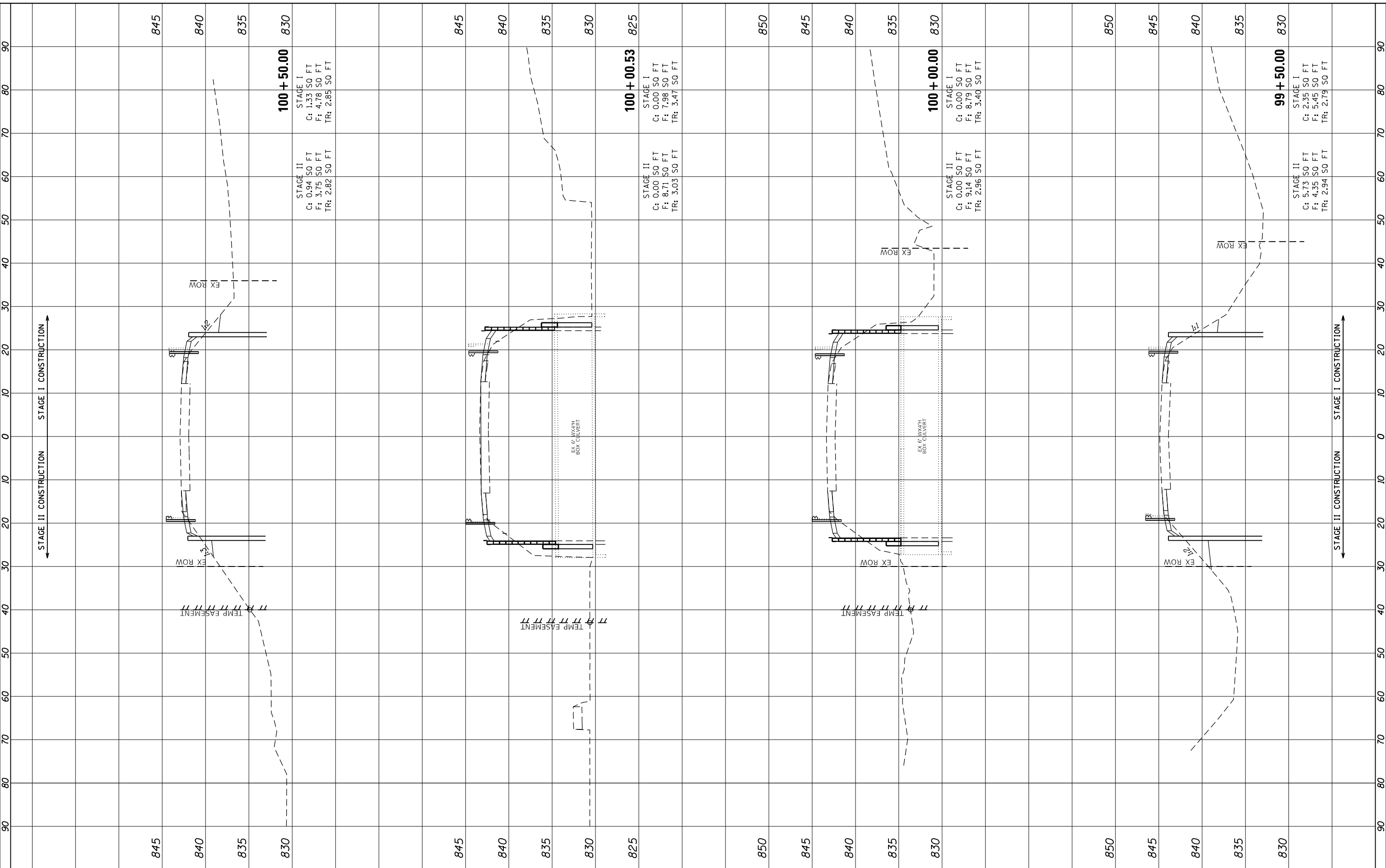
SCALE: SHEET 1 OF 3 SHEETS STA. 97+00.00 TO STA. 99+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2016-051B	LAKE	55	46
CONTRACT NO. 62D35				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: D:\m\11\DOT\6235\FB.181.006\Work\_Order #6 IL99 22 @ DIRECTCAD\_Sheets\DOT6235\FB.181.006\Work\_Order #6 IL99 22.dgn



**CHASTAIN & ASSOCIATES LLC**  
CONSULTING ENGINEERS  
184-001397

USER NAME =	dwozniarski
DESIGNED -	JKP
DRAWN -	DMW
CHECKED -	SPF
DATE -	03-29-2018
PLOT SCALE =	20.00' / in.
PLOT DATE =	8/17/2018

REVISED -	
REVISED -	
REVISED -	
REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL. ROUTE 22 AT CHUNG'S CREEK  
CROSS SECTIONS**

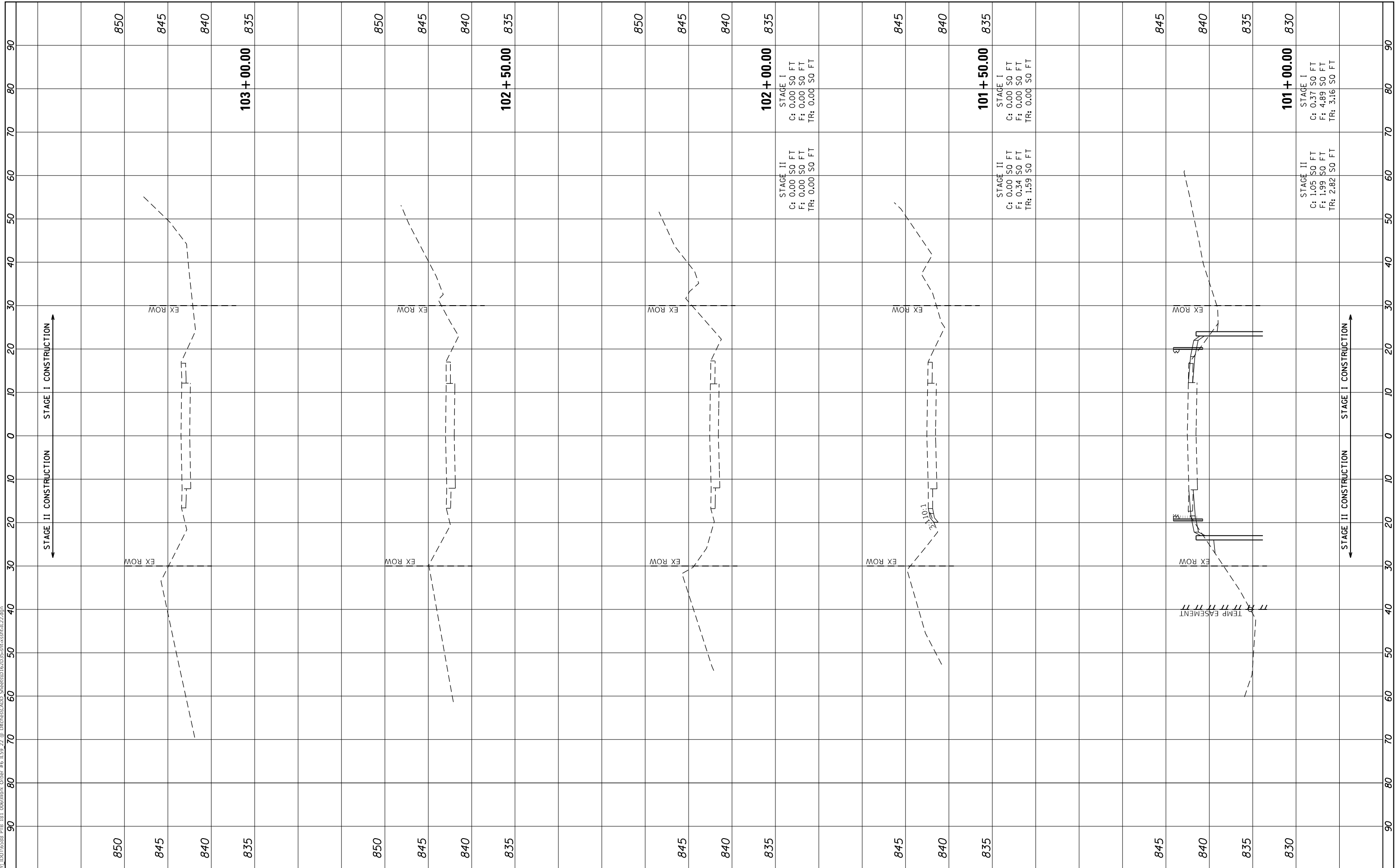
SCALE: SHEET 2 OF 3 SHEETS STA. 99+50.00 TO STA. 100+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2016-051B	LAKE	55	47
CONTRACT NO. 62D35				
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

MODEL: D:\nair  
 FILE NAME: H:\p1\DOT16358.P16.006\Work\_Order #6\_IL9\_22 @ DIRECTCAD\_Sheets\DOT16358-SR-SS-IL22.dgn



USER NAME =	dwozniarski
DESIGNED -	JKP
DRAWN -	DMW
CHECKED -	SPF
DATE -	03-29-2018
PLOT SCALE =	20.00' / in.
PLOT DATE =	8/17/2018

REVISIONS	REVISED -
	REVISED -
	REVISED -
	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL. ROUTE 22 AT CHUNGS CREEK  
 CROSS SECTIONS

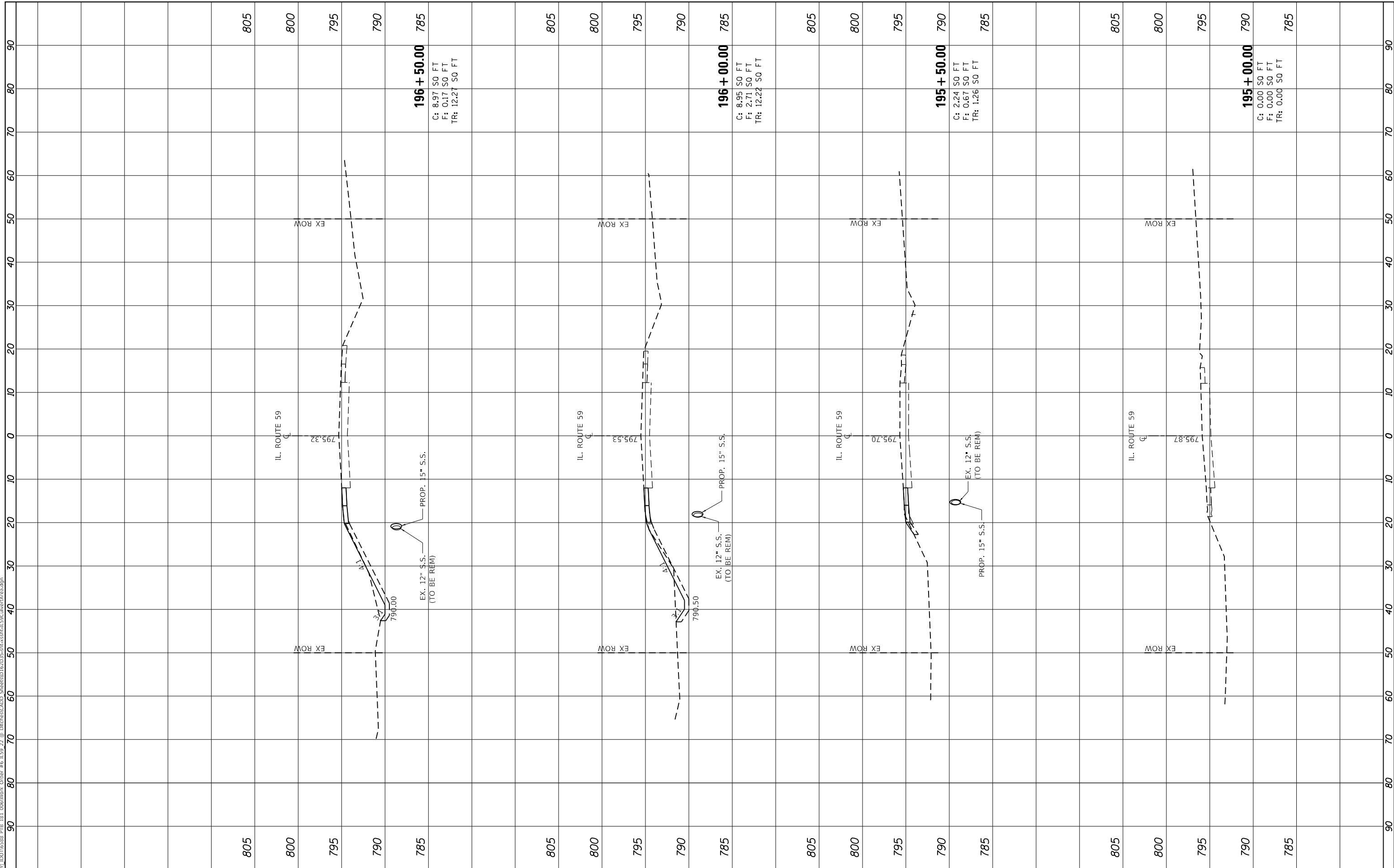
SCALE: SHEET 3 OF 3 SHEETS STA. 101+00.00 TO STA. 103+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2016-051B	LAKE	55	48
CONTRACT NO. 62D35				
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: D:\m\h\10076588.PFB.181.006\Work\_Order #6 IL9 22 @ DIRECTCAD\_Sheets\162D35-SIGNAL-HILL-59-Cross-Sections.dgn



USER NAME = dwozniarski	DESIGNED - JKP	REVISED -
	DRAWN - DMW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - SPF	REVISED -
PLOT DATE = 8/17/2018	DATE - 03-29-2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL. ROUTE 59 AT SIGNAL HILL RD  
CROSS SECTIONS

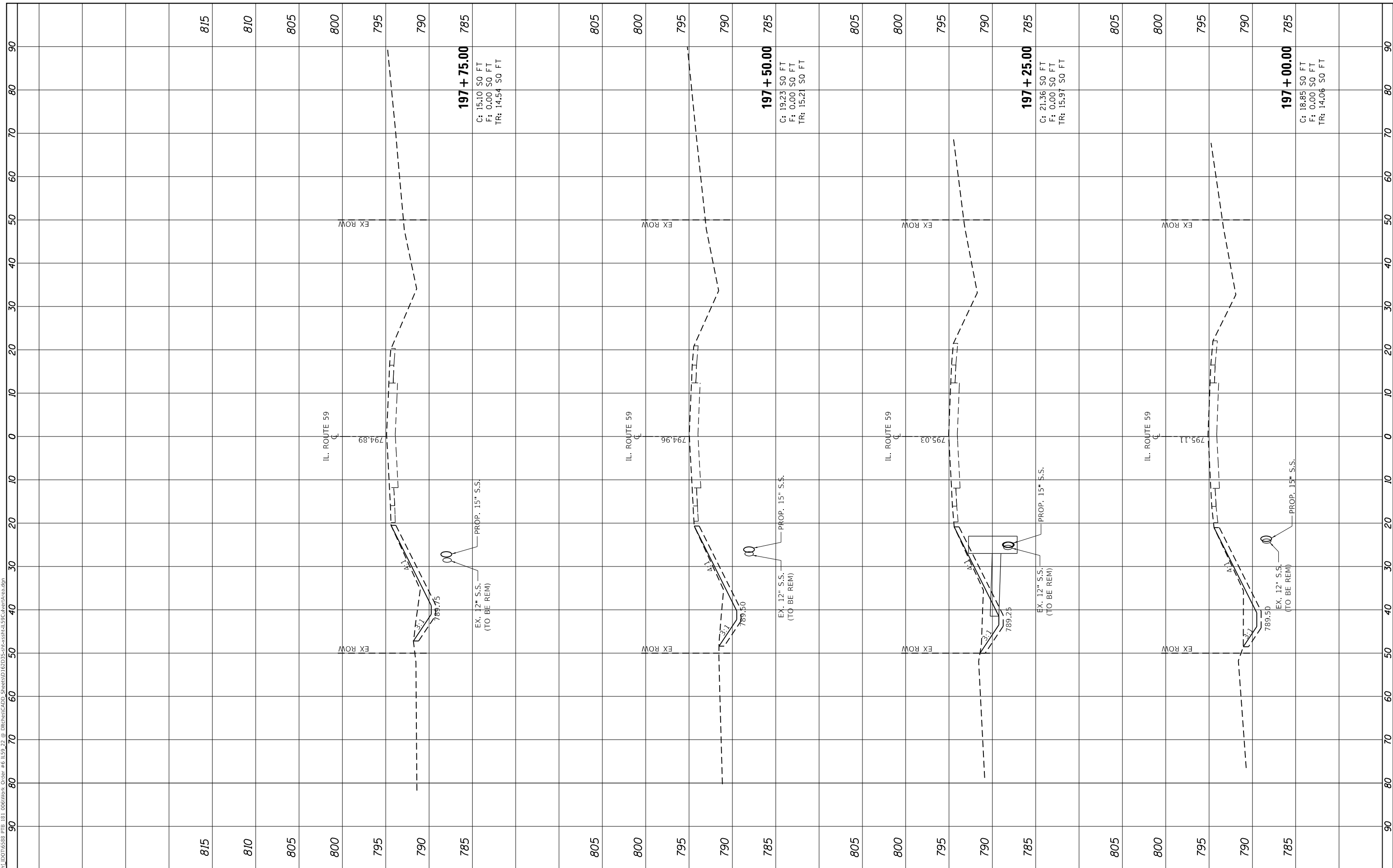
SCALE: SHEET 1 OF 6 SHEETS STA. 195+00.00 TO STA. 196+50.00

F.A.P. RTE. 338	SECTION 2016-051B	COUNTY LAKE	TOTAL SHEETS 55	SHEET NO. 49
CONTRACT NO. 62D35				
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: D:\nair  
FILE NAME: H:\p1\DOT16335\FB.181.006\Work\_Order #6\_IL99\_22 @ DIRECTCAD\_Sheets\DOT16335\FB.181.006\IL99\_CrossSections.dgn



USER NAME = dwozniarski	DESIGNED - JKP	REVISIONS
PLOT SCALE = 20.0000' / in.	DRAWN - DMW	REVISIONS
PLOT DATE = 8/17/2018	CHECKED - SPF	REVISIONS
	DATE - 03-29-2018	REVISIONS

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL. ROUTE 59 AT SIGNAL HILL RD  
CROSS SECTIONS**

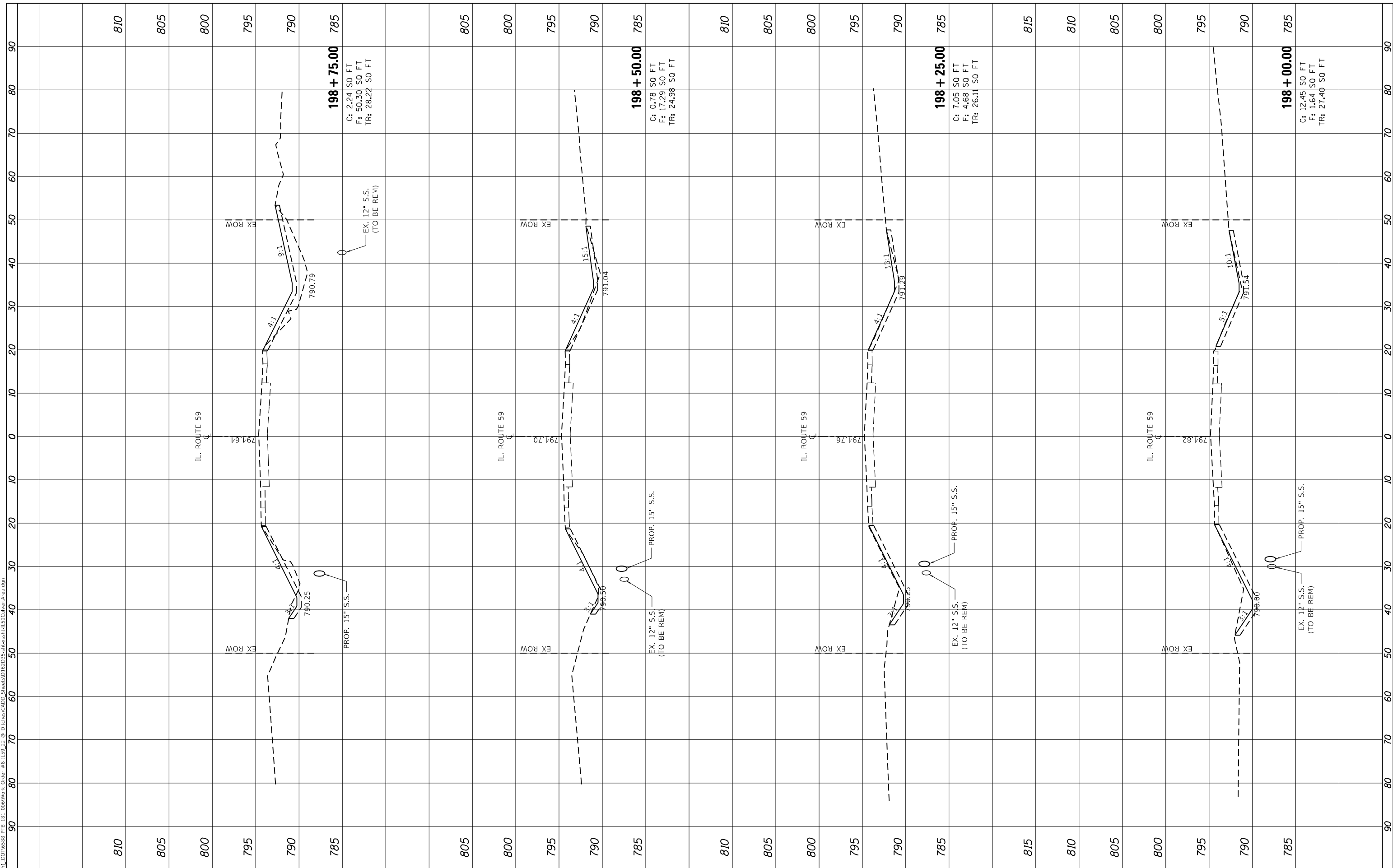
SCALE: SHEET 2 OF 6 SHEETS STA. 197+00.00 TO STA. 197+75.00

F.A.P. RTE. 338	SECTION 2016-051B	COUNTY LAKE	TOTAL SHEETS 55	SHEET NO. 50
CONTRACT NO. 62D35				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: D:\dgn\184-001397\184-001397.dwg  
 FILE NAME: 184-001397\184-001397.dwg  
 ORDER # 184-001397 @ DIRECTCAD - Sheets\184-001397.dwg



USER NAME = dwozniarski	DESIGNED - JKP	REVISIONS
	DRAWN - DMW	
	CHECKED - SPF	
	DATE - 03-29-2018	

REVISIONS	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL. ROUTE 59 AT SIGNAL HILL RD  
CROSS SECTIONS**

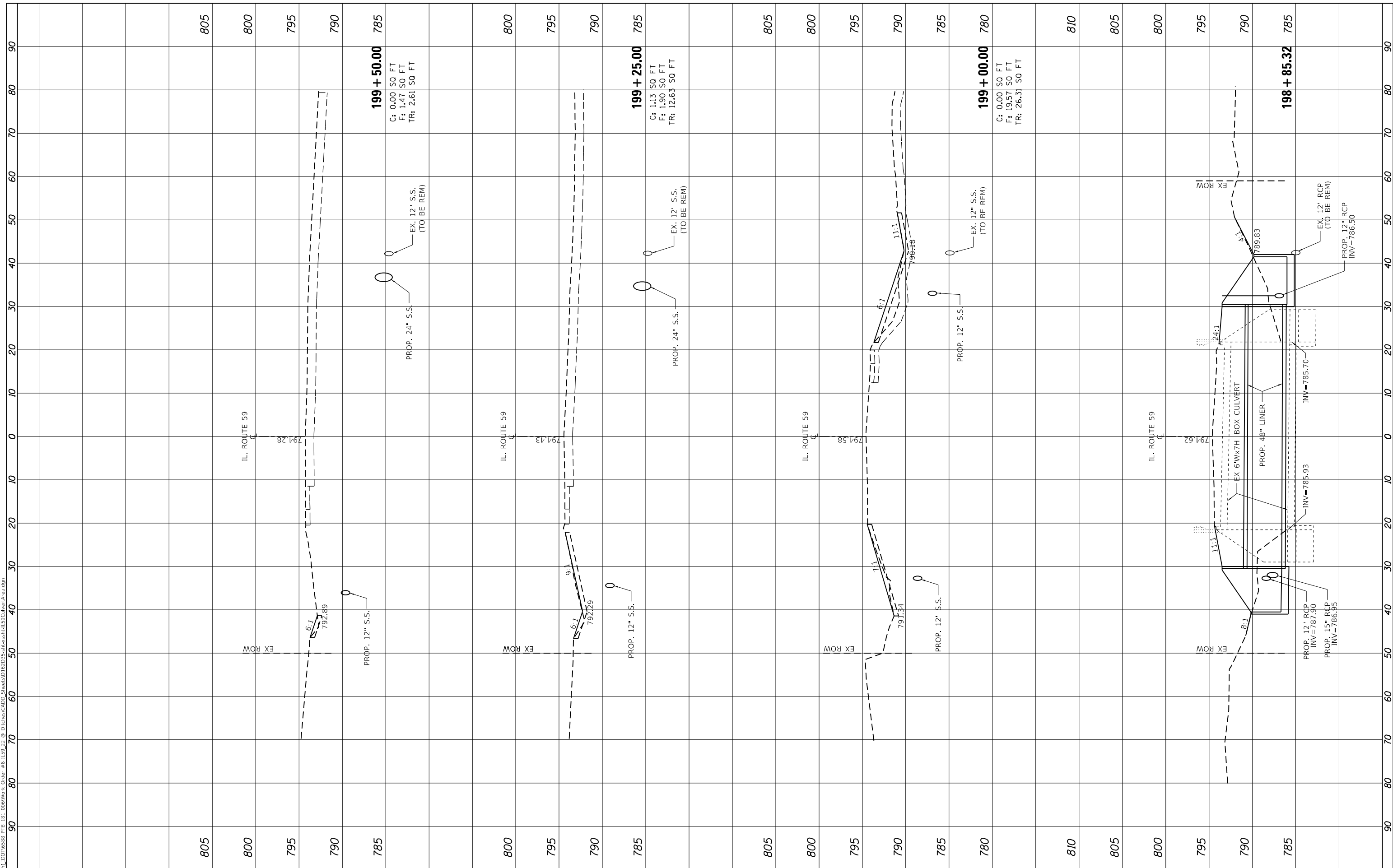
SCALE: SHEET 3 OF 6 SHEETS STA. 198+00.00 TO STA. 198+75.00

F.A.P. RTE. 338	SECTION 2016-051B	COUNTY LAKE	TOTAL SHEETS 55	SHEET NO. 51
CONTRACT NO. 62D35				
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

MODEL: D:\dgn\184-001397.dwg  
 FILE NAME: H:\184-001397.dwg  
 ORDER # 62235 @ DIRECTCAD - SHEET 04 OF 06  
 C:\Users\jkw\OneDrive\Documents\184-001397.dwg



USER NAME = dwozniarski	DESIGNED - JKP	REVISOR -
PLOT SCALE = 20.0000' / 1"	DRAWN - DMW	REVISOR -
PLOT DATE = 8/17/2018	CHECKED - SPF	REVISOR -
	DATE - 03-29-2018	REVISOR -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL. ROUTE 59 AT SIGNAL HILL RD  
 CROSS SECTIONS

SCALE: SHEET 4 OF 6 SHEETS STA. 198+85.32 TO STA. 199+50.00

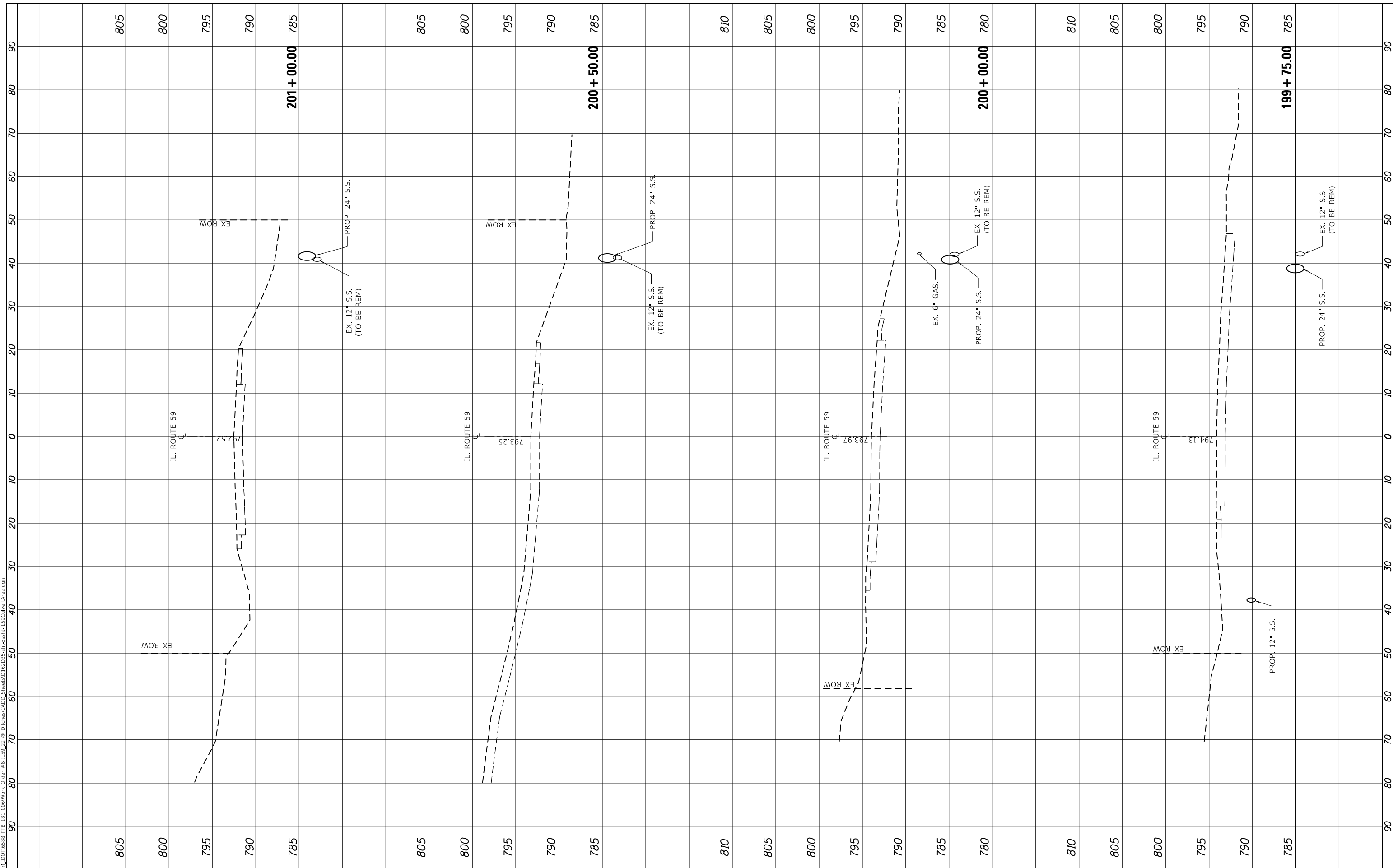
F.A.P. RTE. 338	SECTION 2016-051B	COUNTY LAKE	TOTAL SHEETS 55	SHEET NO. 52
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62D35	



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

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

MODEL: D:\air\...  
 FILE NAME: H:\p1\DOT\6235\FB.181.006\Work\_Order\_#6\_IL59\_22 @ DIRECT\CADD\_Sheets\6235-59-22-SS-IL59-22.dwg



USER NAME = dwozniarski	DESIGNED - JKP	REVISIED -
PLOT SCALE = 20.0000' / in.	DRAWN - DMW	REVISIED -
PLOT DATE = 8/17/2018	CHECKED - SPF	REVISIED -
	DATE - 03-29-2018	REVISIED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL. ROUTE 59 AT SIGNAL HILL RD  
 CROSS SECTIONS

SCALE: SHEET 5 OF 6 SHEETS STA. 199+75.00 TO STA. 201+00.00

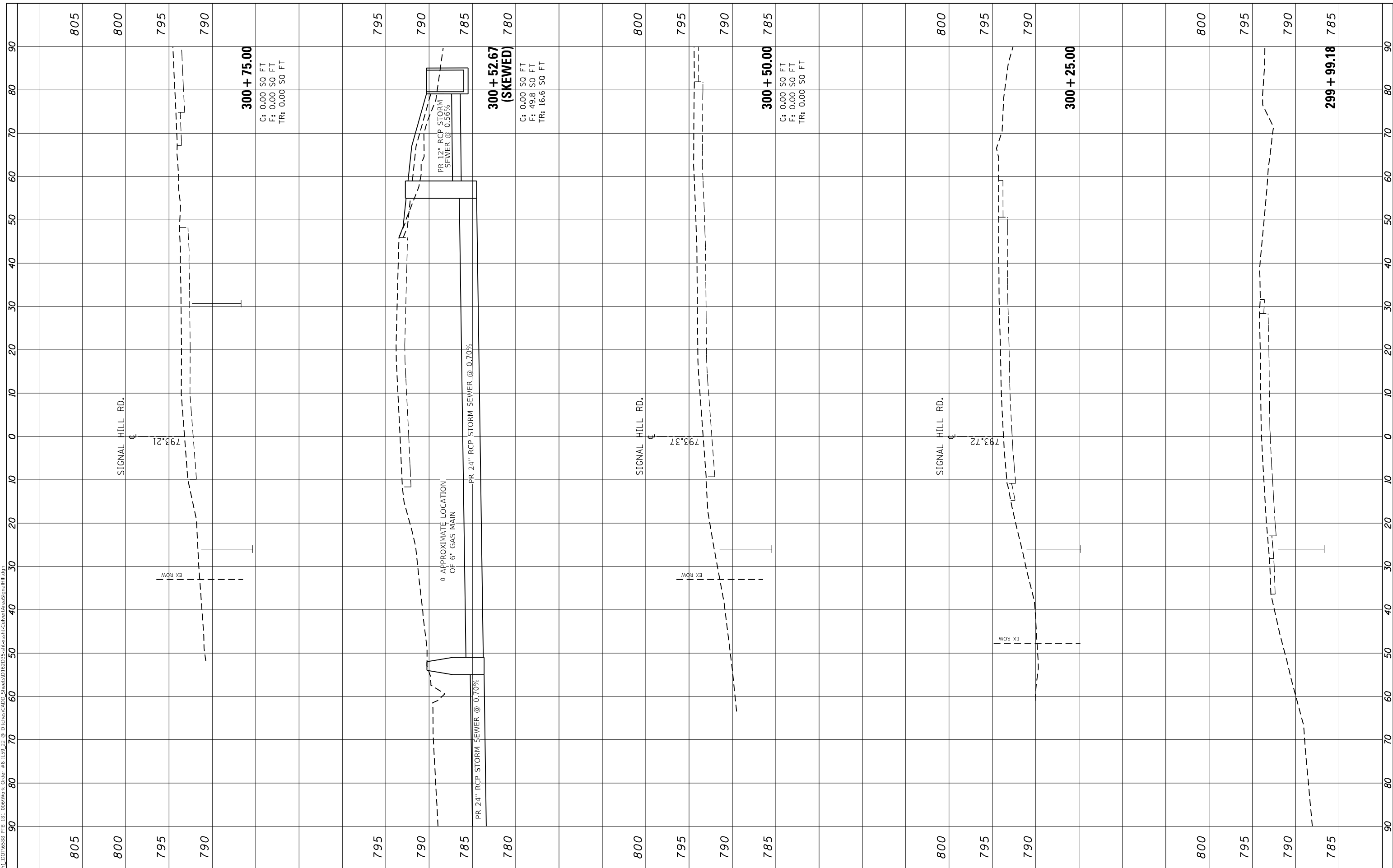
F.A.P. RTE. 338	SECTION 2016-051B	COUNTY LAKE	TOTAL SHEETS 55	SHEET NO. 53
CONTRACT NO. 62D35			ILLINOIS FED. AID PROJECT	



FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: D:\dwg\184-00139.dwg  
 FILE NAME: 184-00139-01.dwg  
 ORDER # 184-00139-01 @ DIRECTCAD - Sheets 1-55  
 ORDER # 184-00139-01 @ DIRECTCAD - Sheets 1-55



USER NAME = dwozniarski	DESIGNED - JKP	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - DMW	REVISED -
PLOT DATE = 8/17/2018	CHECKED - SPF	REVISED -
	DATE - 03-29-2018	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SIGNAL HILL RD AT IL RTE 59  
 CROSS SECTIONS

SCALE: SHEET 1 OF 1 SHEETS STA. 300+00.00 TO STA.

F.A.P. RTE. 338	SECTION 2016-051B	COUNTY LAKE	TOTAL SHEETS 55	SHEET NO. 55
CONTRACT NO. 62D35				
ILLINOIS FED. AID PROJECT				