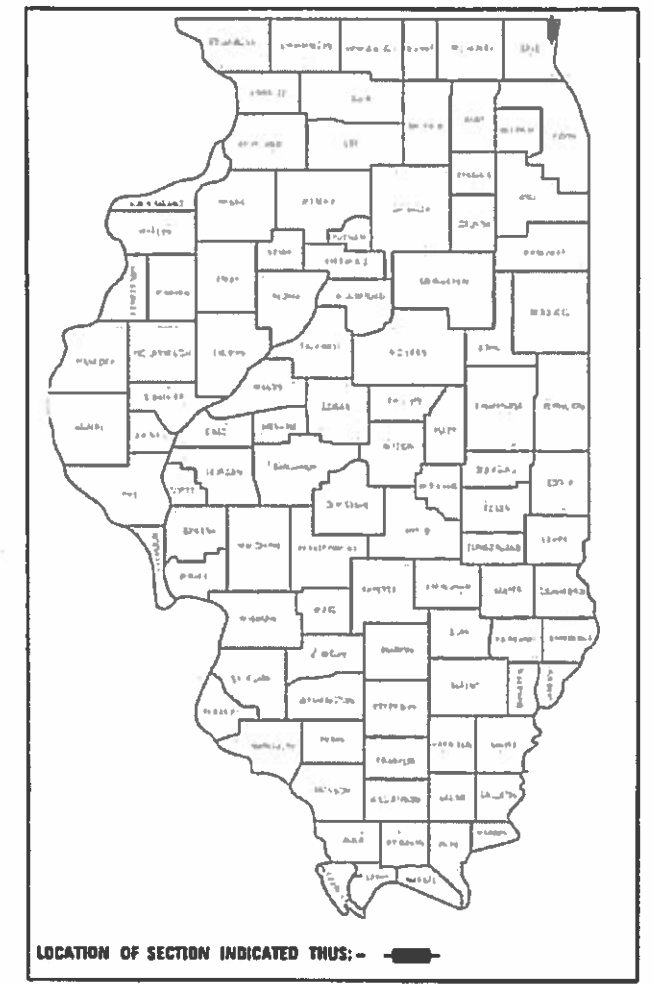


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
NA	2018-058-DNR-PK	LAKE	26	1
		CONTRACT NO.	62G90	

D-91-352-18



**PROPOSED
HIGHWAY PLANS**

VARIOUS (ILLINOIS BEACH STATE PARK)
SECTION NO.; 2018-058-DNR-PK
IDNR PROJECT NO. 2-18-023
INTERNAL ROAD AND TRAIL REPAIRS
LAKE COUNTY
C-91-277-18

FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA:

EXISTING ADT = NA
POSTED SPEED = NA

FUNCTIONAL CLASSIFICATION:

NA

CAMPGROUND
EXIT ROAD
STA. 101+36 TO
STA. 108+00

AES SERVICES INC.
SHEETS
01-15, 21-26.

Michael Darent

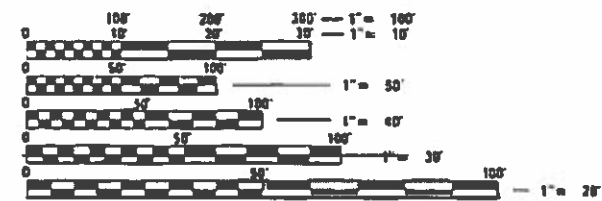
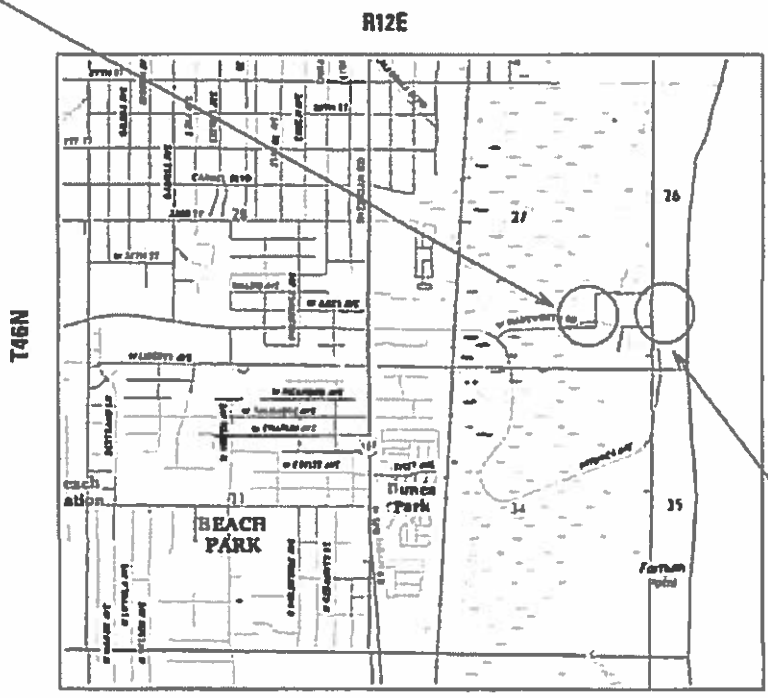
DATE: 12/06/2018
IL. LICENSED PROFESSIONAL
LICENSE EXPIRES ON 11/30/2019

AES SERVICES INC.
SHEETS
19-20.

Salween

DATE: 12/06/2018
IL. LICENSED PROFESSIONAL
LICENSE EXPIRES ON 11/30/2020

LOT & TRAIL REPAIR
STA. 50+65 TO 57+00



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

PROJECT ENGINEER: KARI L. SMITH, PE (847) 705-4437
PROJECT MANAGER: FAWAD AQUEEL, PE, PTOE (847) 705-4247

CONTRACT NO. 62G90

GROSS LENGTH OF PROJECT = 1299 FEET = 0.25 MILE
NET LENGTH OF PROJECT = 1299 FEET = 0.25 MILE

AES
ENGINEERS & SURVEYORS
111 S. Wacker Drive,
Suite 2010
Chicago, IL 60606
Ph: 312-235-6783

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED *December 11, 2018*

Anthony J. Darent / MS
REGIONAL ENGINEER
Feb 11 2019

Paul P. Ch...
ENGINEER-OF-DESIGN AND ENVIRONMENT
Feb 19 2019
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS, STATE STANDARDS, GENERAL NOTES AND COMMITMENTS
3-5	SUMMARY OF QUANTITIES
6	TYPICAL SECTIONS
7	ALIGNMENT TIES & BENCHMARK
8	PLAN PARKING LOT & TRAIL
9	PLAN CAMPGROUND EXIT ROAD
10	PROFILE CAMPGROUND EXIT ROAD
11	SUGGESTED TRAFFIC CONTROL PARKING LOT & TRAIL
12	SUGGESTED TRAFFIC CONTROL CAMPGROUND EXIT ROAD
13	PAVEMENT MARKING PARKING LOT & EXIT ROAD
14	EROSION CONTROL CAMPGROUND EXIT ROAD
15	EROSION & SEDIMENT CONTROL DETAILS
16 - 18	SUE
19 - 20	STRUCTURAL SHEETS
21 - 22	CROSS SECTIONS PARKING LOT & TRAIL
23 - 24	CROSS SECTIONS CAMPGROUND EXIT ROAD
25	TC-13 DISTRICT ONE - TYPICAL PAVEMENT MARKINGS
26	TC-22 DISTRICT ONE - ARTERIAL ROAD INFORMATION SIGN

STATE STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-09	PAVEMENT JOINTS
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606306-04	CORRUGATED PC CONCRETE MEDIANS
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS-DAY ONLY
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

COMMITMENTS

THE CONSTRUCTION SITES ADJOIN VALUABLE WETLANDS AND ARE POTENTIALLY HOME TO THE BLANDING'S TURTLE. PRIOR TO INITIATING ANY WORK THAT MAY DISTURB PREVIOUSLY UNDISTURBED AREAS OR THAT MAY CONTAIN BLANDING'S TURTLE NEST, THE CONTRACTOR WILL COORDINATE THE THE DEPARTMENT HERITAGE BIOLOGIST -BRAD SEMEL AT 630-399-3242 - TO DETERMINE THE POTENTIAL FOR IMPACTS AND APPROPRIATE MEASURES TO AVOID THEM.

GENERAL NOTES:

- 1) THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
- 2) AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI (CU YD) WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
- 3) ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT CONTRACTOR EXPENSE.
- 4) OTHER CONTRACTORS MAY BE WORKING IN THE GENERAL VICINITY. CONTRACTOR SHALL COORDINATE AND COOPERATE WITH ADJACENT ON-GOING CONTRACTS.
- 5) FOR UTILITY LOCATIONS CONTRACTOR WILL CONTACT J.U.L.I.E. CONTRACTOR WILL ALSO WORK WITH LOCAL IDNR STAFF. CONTACT WILL BE BOB FEFFER AT 847-846-4840.
- 6) SAW CUTTING PRIOR TO ANY REMOVAL ITEMS NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER SHALL BE CONSIDERED INCLUDED IN THE COST OF ITEMS BEING REMOVED.

EARTHWORK SCHEDULE

LOCATION/STAGE	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
EXIT ROAD	606	515	0	515
PARKING LOT & TRAIL	1131	961	0	961
TOTAL	1737	1476	0	1476

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PLOT DATE = 12/7/2018	DATE - 10/01/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILL BEACH STATE PARK REPAIRS
INDEX OF SHEETS, STATE STANDARDS
GENERAL NOTES AND COMMITMENTS**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	2018-058-DNR-PK	LAKE	26	02
CONTRACT NO. 62G90			ILLINOIS FED. AID PROJECT	

REV. - MS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% STATE	100% STATE
				LOT & TRAIL	CAMPGROUND EXIT ROAD
				RETAINING WALL	ROADWAY
				0044	0004
20200100	EARTH EXCAVATION	CU YD	1737	1131	606
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1871	31	1840
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	471	66	405
25000100	SEEDING, CLASS 1	ACRE	0.2	0.1	0.1
25100630	EROSION CONTROL BLANKET	SQ YD	373	179	194
28000400	PERIMETER EROSION BARRIER	FOOT	1208	299	909
28100103	STONE RIPRAP, CLASS A2	SQ YD	360	360	
28100830	STONE DUMPED RIPRAP, CLASS B4	TON	433	433	
28200200	FILTER FABRIC	SQ YD	922	922	
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	685		685
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	2525	2525	
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	1206	1206	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	68	9	59
40700100	BITUMINOUS MATERIALS (TACK COAT)	POUND	1298	696	602

* SPECIALTY ITEMS

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Chicago, IL 60606
Ph: 312-235-6783

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PLOT DATE = 12/7/2018	DATE - 10/01/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILL BEACH STATE PARK REPAIRS
SUMMARY OF QUANTITIES**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	2018-058-DNR-PK	LAKE	26	03
			CONTRACT NO. 62G90	
			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% STATE	100% STATE
				LOT & TRAIL	CAMPGROUND EXIT ROAD
				RETAINING WALL	ROADWAY
				0044	0004
40701821	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"	SQ YD	2883	1547	1336
42000060	WELDED WIRE REINFORCEMENT	SQ YD	35	35	
42000110	PORTLAND CEMENT CONCRETE PAVEMENT 6 1/2"	SQ YD	371	371	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	312	312	
44000100	PAVEMENT REMOVAL	SQ YD	4581	3245	1336
44000300	CURB REMOVAL	FOOT	2449	1835	614
44000600	SIDEWALK REMOVAL	SQ FT	680	680	
48101550	AGGREGATE SHOULDERS, TYPE B 7"	SQ YD	148		148
50300255	CONCRETE SUPERSTRUCTURE	CU YD	40	40	
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	174	174	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1700	1100	600
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	14690	14690	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	1	1
52200015	PERMANENT SHEET PILING	SQ FT	8216	8216	
* 66901001	REGULATED SUBSTANCE PRECONSTRUCTION PLAN	L SUM	1	0.5	0.5
60600605	CONCRETE CURB, TYPE B	FOOT	889	275	614
* 66901002	ON-SITE MONITORING OF REGULATED SUBSTANCES	DAYS	20	10	10
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	8	4	4
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	0.5	0.5

* SPECIALTY ITEMS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ILL BEACH STATE PARK REPAIRS		
SUMMARY OF QUANTITIES		
SCALE:	SHEET 2 OF 3 SHEETS	STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	2018-058-DNR-PK	LAKE	26	04
			CONTRACT NO. 62G90	
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% STATE	100% STATE
				LOT & TRAIL	CAMPGROUND EXIT ROAD
				RETAINING WALL	ROADWAY
				0044	0004
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	1493		1493
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	3		3
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1646		1646
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	143		143
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	379	379	
X2502014	SEEDING, CLASS 4A (MODIFIED)	ACRE	0.1		0.1
X2511630	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	405		405
X6060078	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24 (SPECIAL)	FOOT	520	520	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0.5	0.5
X0100021	WASHING AND CLEANING	L SUM	1	0.5	0.5
Z0007430	TEMPORARY SIDEWALK	SQ FT	680	680	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.5	0.5
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	103	26	77
∅ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500	

REV. - MS

∅ 0042
* SPECIALTY ITEMS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ILL BEACH STATE PARK REPAIRS		
SUMMARY OF QUANTITIES		
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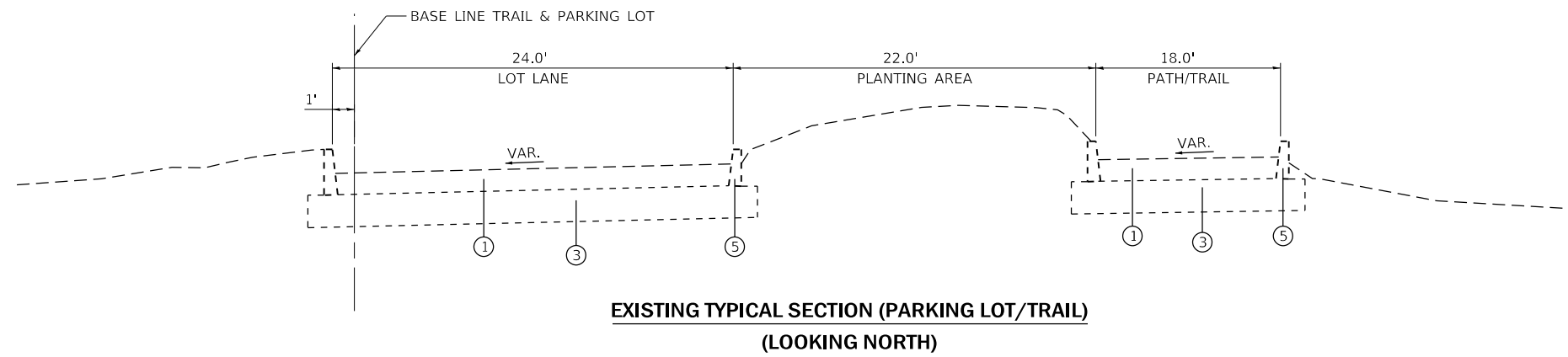
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CONTRACT NO. 62G90			ILLINOIS FED. AID PROJECT	

HMA MIXTURE REQUIREMENTS

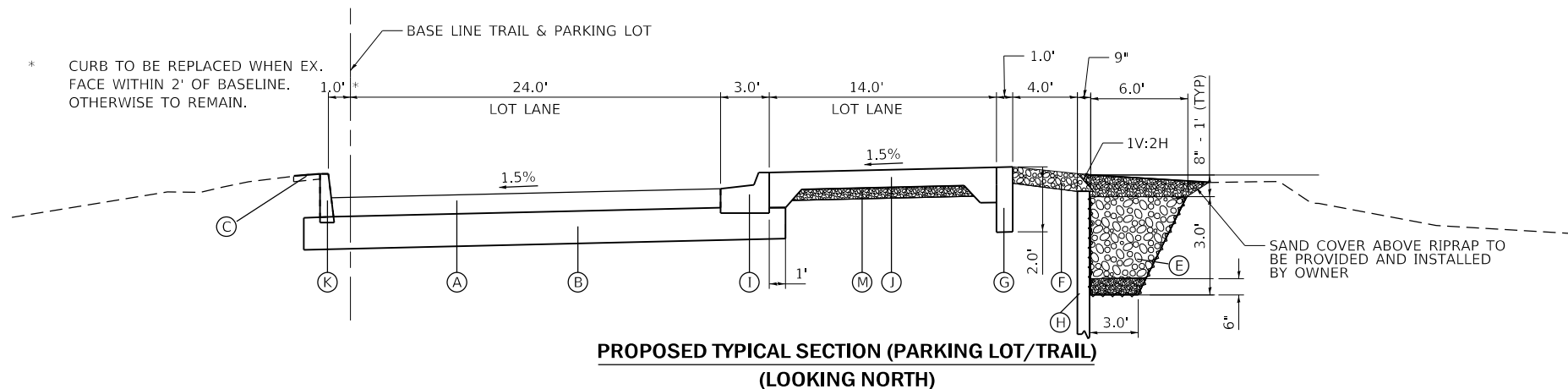
MIXTURE TYPE	AIR VOIDS @ NDES	QUALITY MANAGEMENT PROGRAM (QMP)
HMA PAVEMENT (FD), 7"		
2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5MM)	4% @ 50 GYR	QC/QA
HOT-MIX ASPHALT, BASE COURSE 5", (HMA BINDER, IL-19.0)	4% @ 50 GYR	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA)		

MIXTURE TABLE NOTES

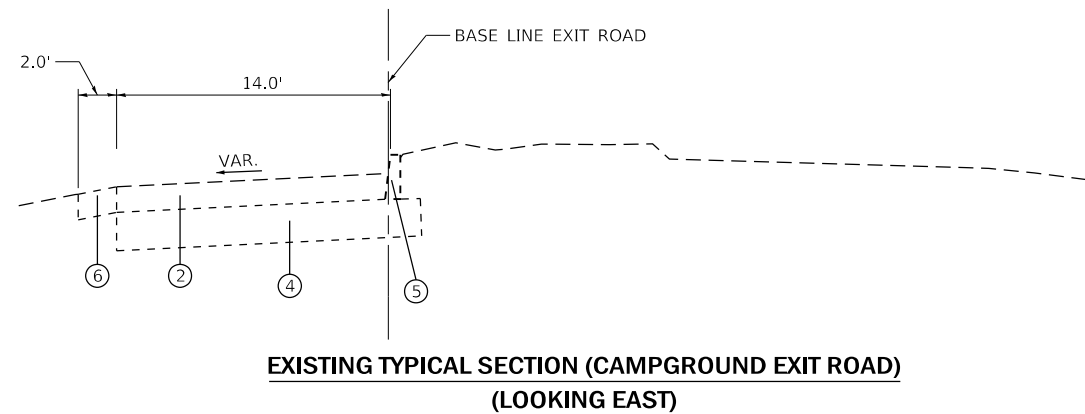
- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN.
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED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



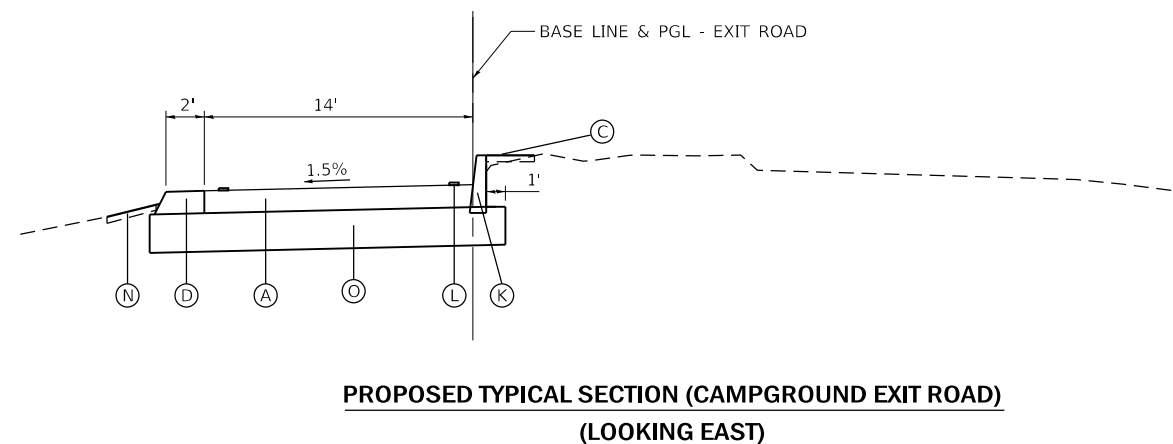
**EXISTING TYPICAL SECTION (PARKING LOT/TRAIL)
(LOOKING NORTH)**



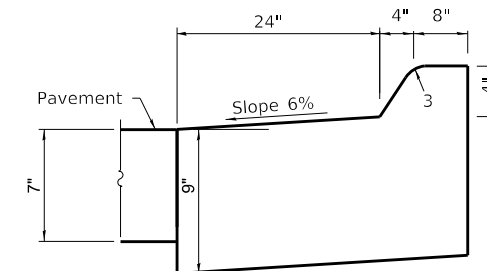
**PROPOSED TYPICAL SECTION (PARKING LOT/TRAIL)
(LOOKING NORTH)**



**EXISTING TYPICAL SECTION (CAMPGROUND EXIT ROAD)
(LOOKING EAST)**



**PROPOSED TYPICAL SECTION (CAMPGROUND EXIT ROAD)
(LOOKING EAST)**



**COMBINATION CONCRETE CURB AND GUTTER,
TYPE M-4.24 (SPECIAL)**

EXISTING LEGEND

- ① EXISTING ASPHALT PAVEMENT 3" TO 5"
- ② EXISTING ASPHALT PAVEMENT 3"
- ③ EXISTING AGG BASE 7" TO 11"
- ④ EXISTING AGG BASE 6" TO 9"
- ⑤ EXISTING CURB
- ⑥ EXISTING AGG SHOULDER (VAR. DEPTH)

PROPOSED LEGEND

- Ⓐ HMA PAVEMENT (FD), 7"
 - 2" HMA SURFACE COURSE, MIX "D", N50
 - 5" HMA BASE COURSE, IL-19.0, N50
- Ⓑ 12" AGGREGATE SUBGRADE IMPROVEMENT
- Ⓒ SEEDING, CLASS 1 TOPSOIL FURNISH AND PLACE, 4"
- Ⓓ AGGREGATE SHOULDERS, TYPE B 7"
- Ⓔ STONE DUMPED RIPRAP, CLASS B4, 30" OVER CLASS A1 BEDDING, 6" (PAID FOR AS STONE DUMPED RIPRAP, CLASS B4 (TON)) FILTER FABRIC
- Ⓕ STONE RIPRAP, CLASS A2, 6", FILTER FABRIC
- Ⓖ GRADE BEAM (SEE STRUCTURE PLANS)
- Ⓗ PERMANENT SHEET PILING RETAINING WALL (SEE STRUCTURE PLANS)
- Ⓘ COMB CONCRETE C&G, TYPE M-4.24 (SPECIAL)
- Ⓙ PCC 6 1/2" (SEE ALSO STRUCTURE PLAN)
- Ⓚ CONCRETE CURB TYPE "B"
- Ⓛ THERMOPLASTIC PAVEMENT MARKING - LINE 4"
- Ⓜ SUBBASE GRANULAR MATERIAL, TYPE B 4"
- Ⓝ SEEDING, CLASS 4A (MODIFIED) TOPSOIL FURNISH AND PLACE, 4"
- Ⓞ AGGREGATE SUBGRADE IMPROVEMENT (CU YD), NOMINAL 12" GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL BEACH STATE PARK REPAIRS
TYPICAL SECTIONS

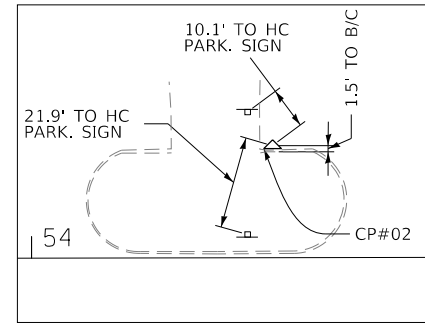
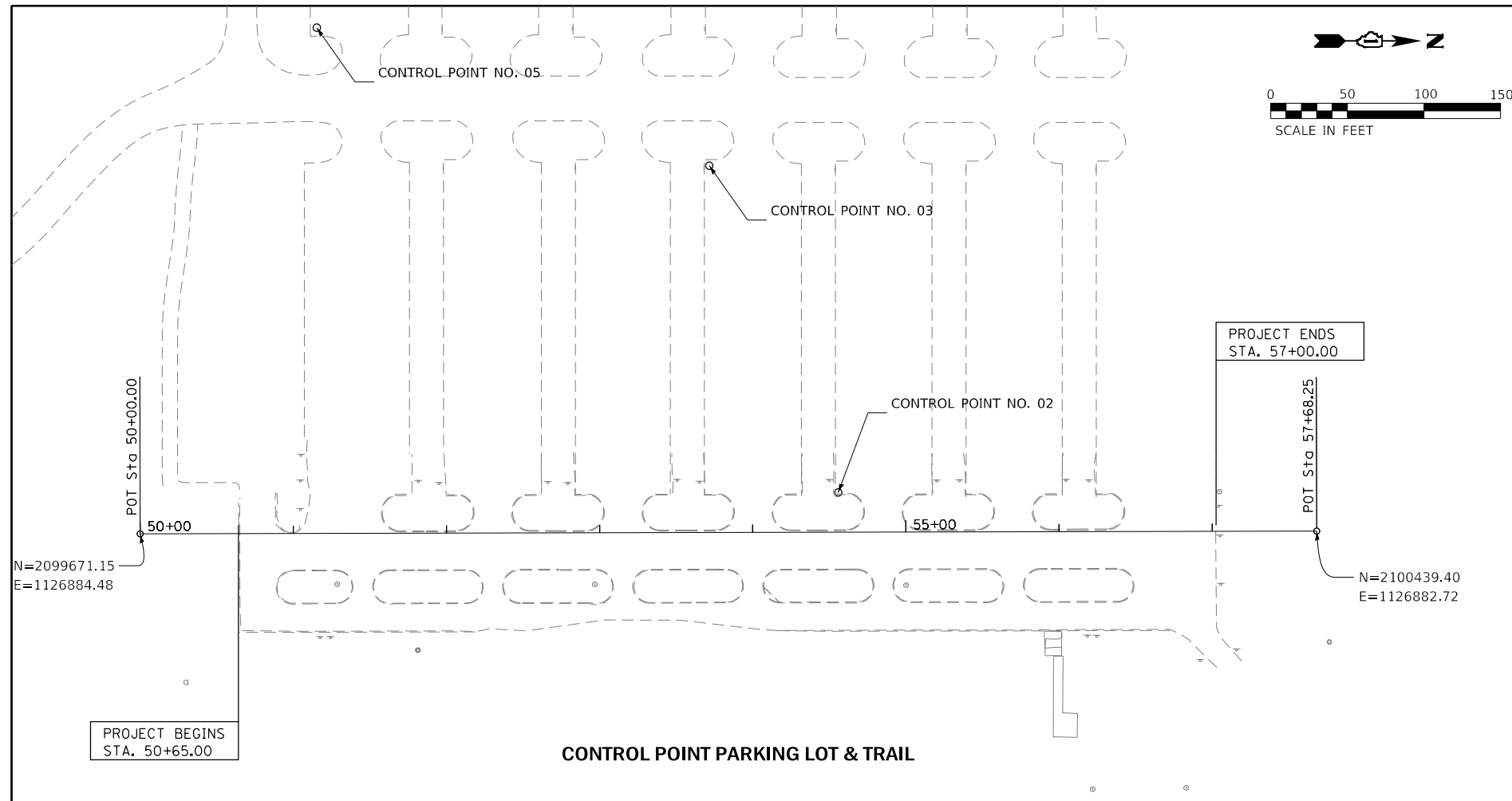
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CONTRACT NO. 62G90				
ILLINOIS FED. AID PROJECT				

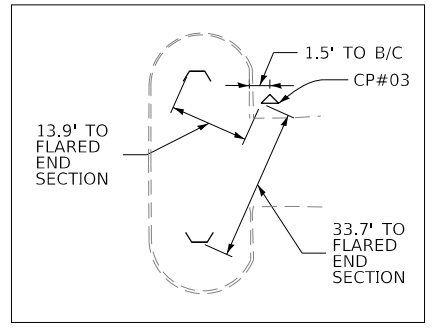
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Ph: 312-235-6783

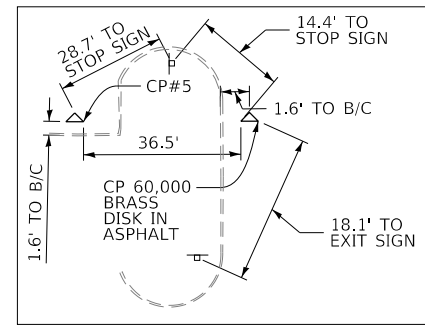
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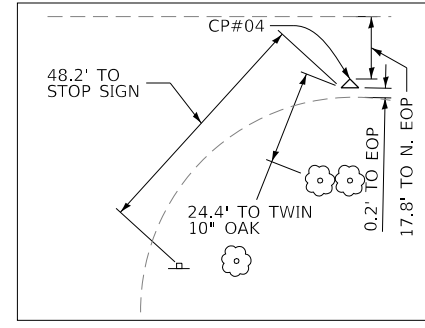
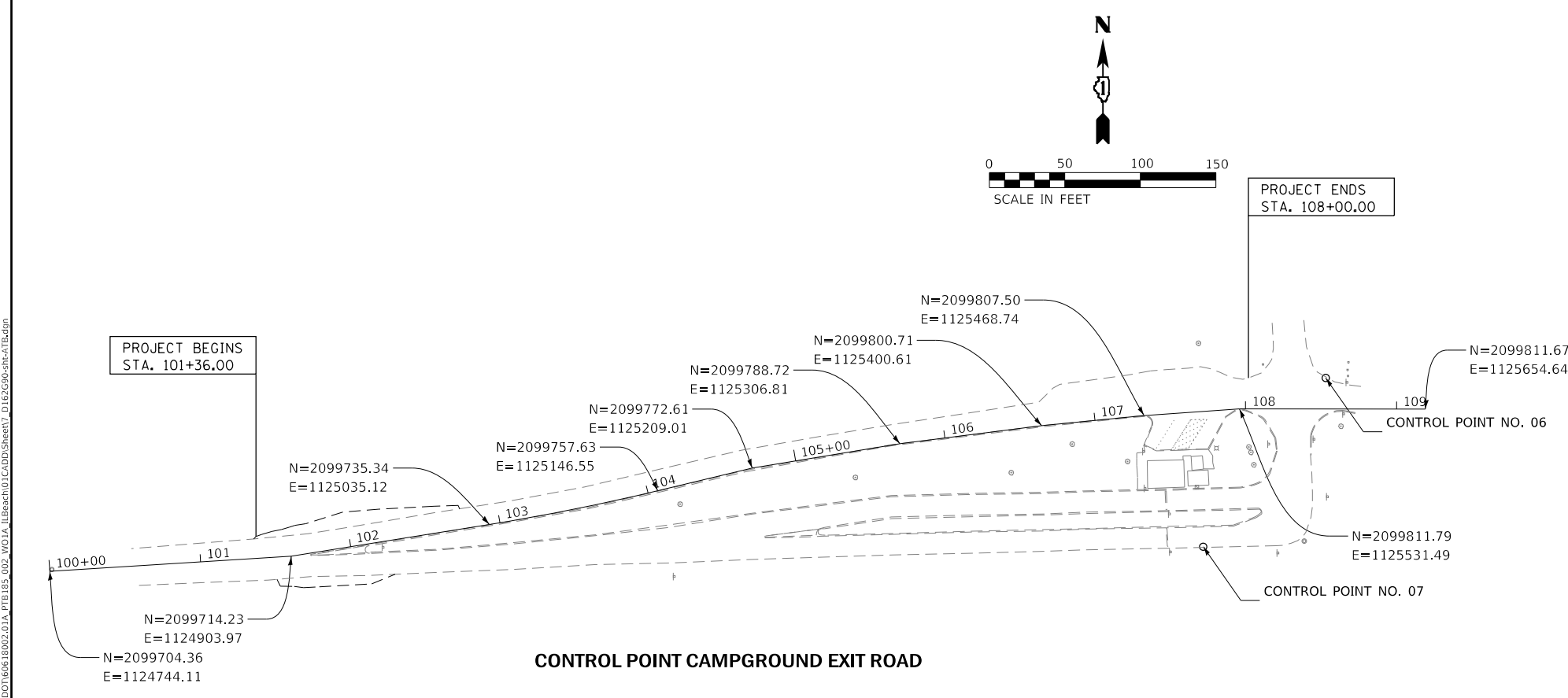
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 EASTING : 1126857.46
 LOCATION : MAGNAIL IN ASPHALT



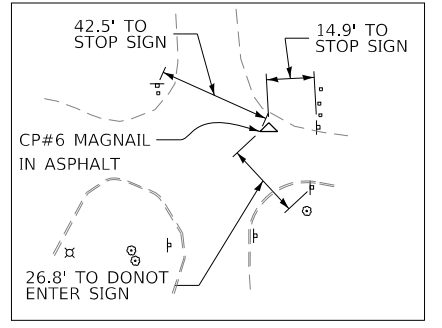
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 EASTING : 1126644.04
 LOCATION : MAGNAIL IN ASPHALT



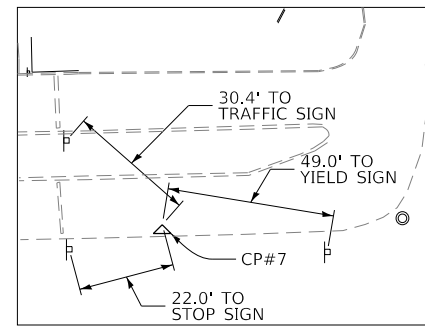
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 ELEV. : 585.796
 TYPE OF MARKER : MAGNAIL
 NORTHING : 2099783.90
 EASTING : 1126552.14
 LOCATION : MAGNAIL IN ASPHALT



CP#04
 ELEV. : 587.381
 TYPE OF MARKER : MAGNAIL
 NORTHING : 2099731.54
 EASTING : 1126115.55
 LOCATION : MAGNAIL IN ASPHALT



CP#06
 ELEV. : 587.254
 TYPE OF MARKER : MAGNAIL
 NORTHING : 2099832.30
 EASTING : 1125588.65
 LOCATION : MAGNAIL IN ASPHALT



CP#07
 ELEV. : 588.462
 TYPE OF MARKER : MAGNAIL
 NORTHING : 2099720.55
 EASTING : 1125507.53
 LOCATION : MAGNAIL IN ASPHALT

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 Ph: 312-235-6783

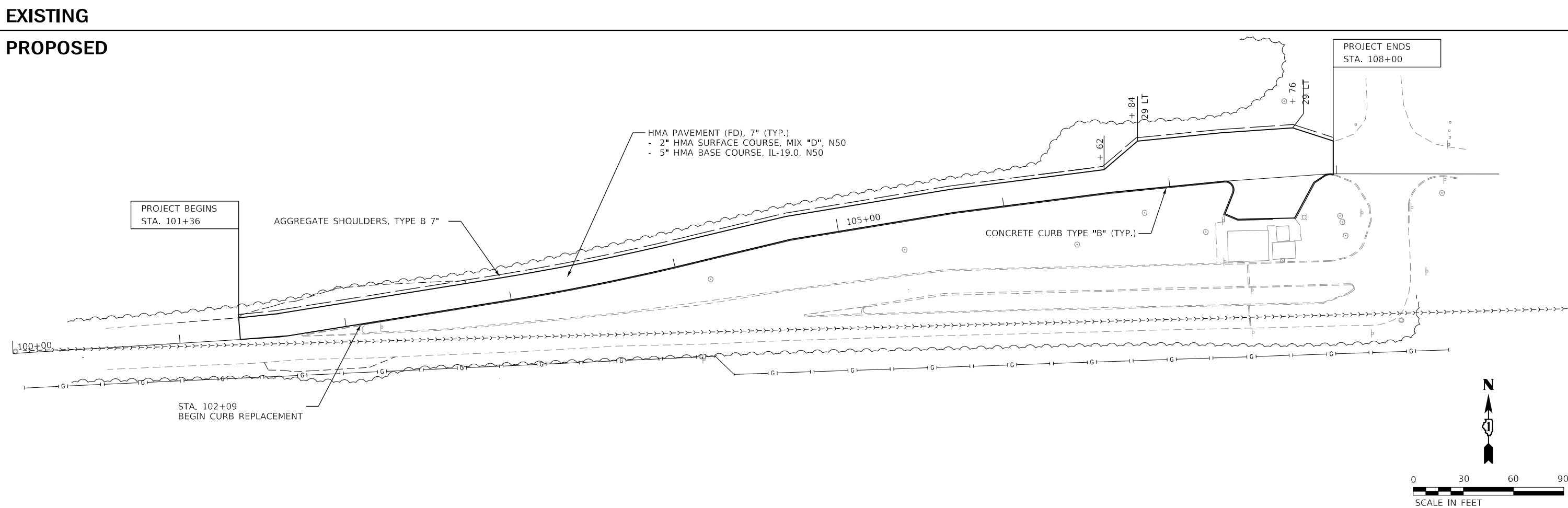
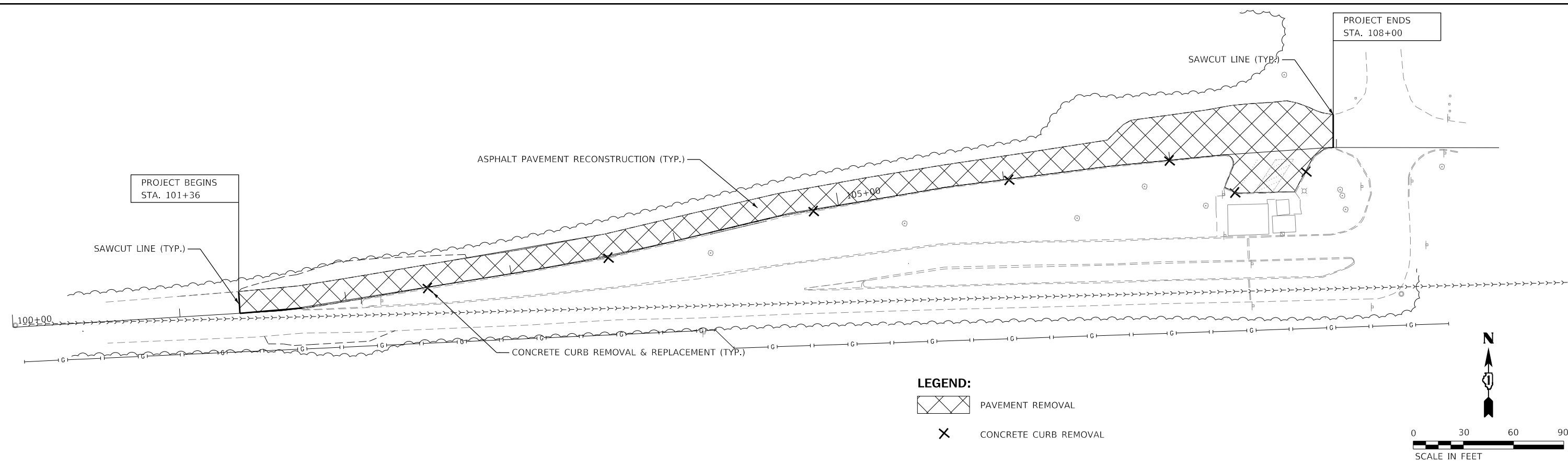
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PLOT DATE = 12/7/2018	DATE - 10/01/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL BEACH STATE PARK REPAIRS
ALIGNMENT, TIES & BENCHMARK

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-058-DNR-PK	LAKE	22	07
CONTRACT NO. 62G90				
ILLINOIS FED. AID PROJECT				



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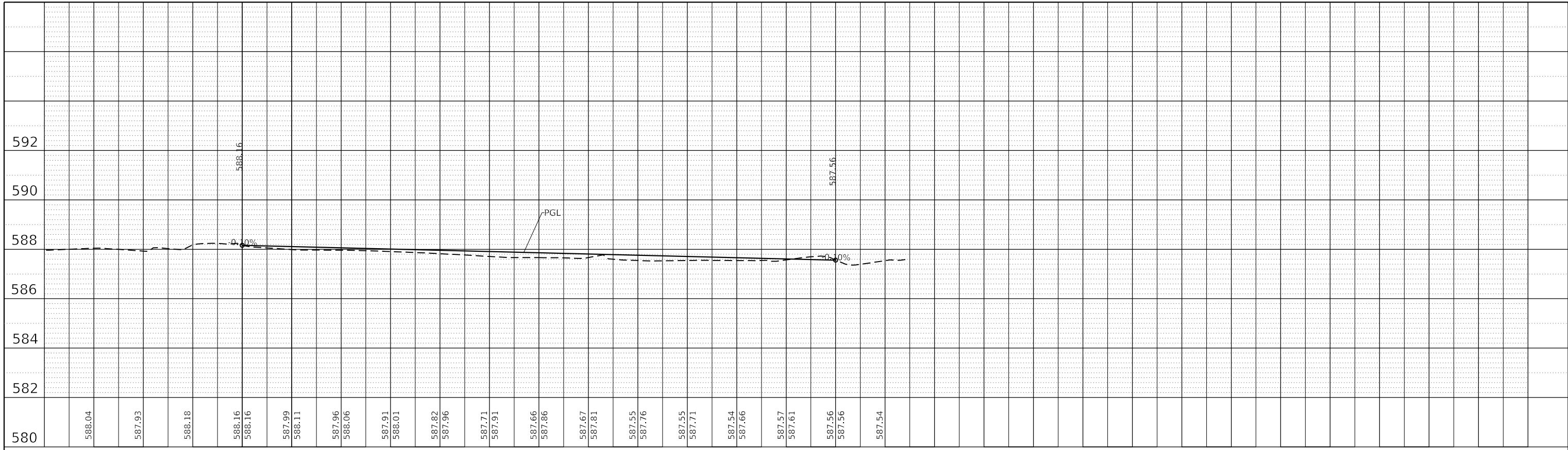
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ILL BEACH STATE PARK REPAIRS PLAN CAMPGROUND EXIT ROAD			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-058-DNR-PK	LAKE	21	09
CONTRACT NO. 62G90				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	CHECKED		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	CHECKED		
	FILE NAME		



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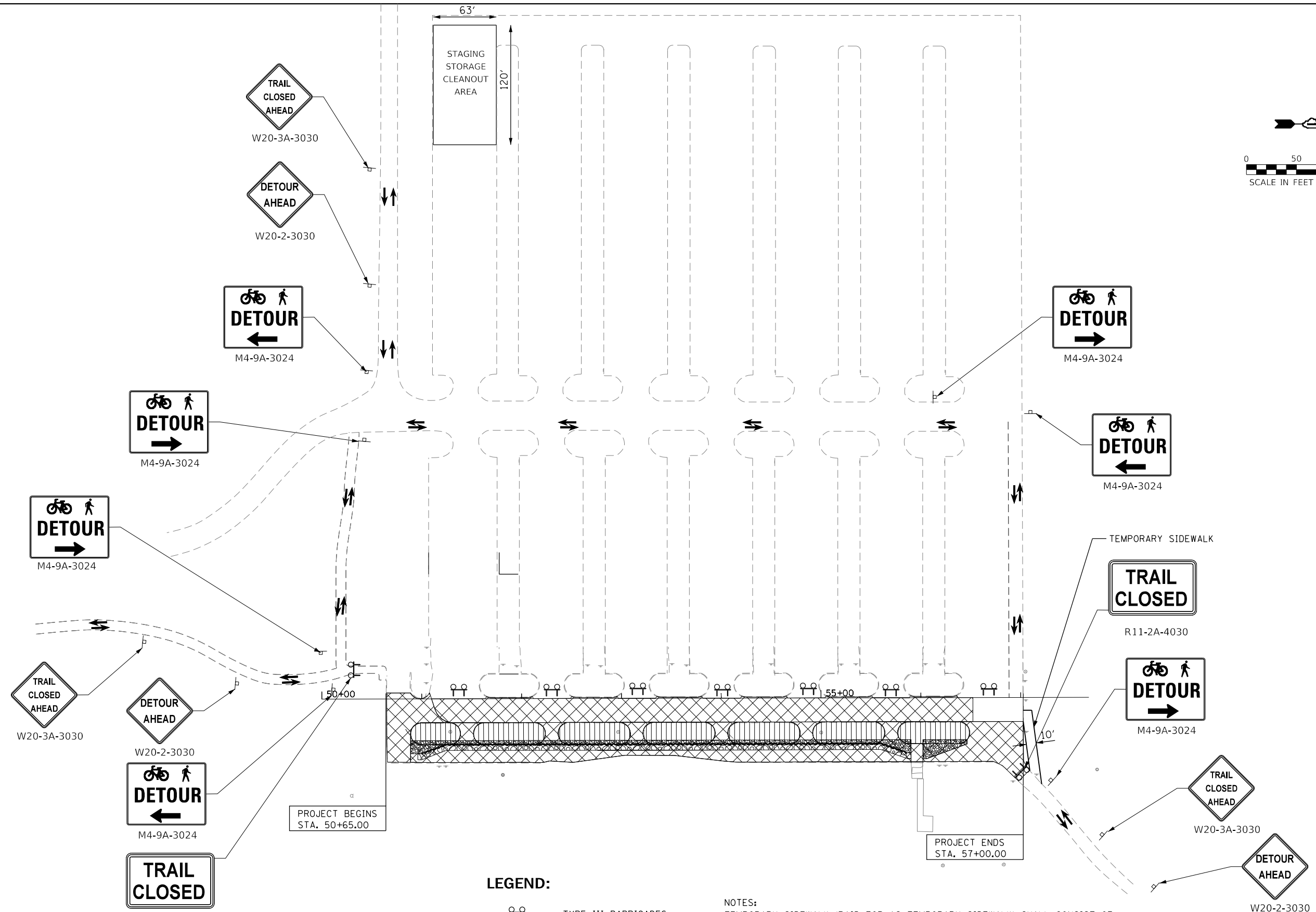
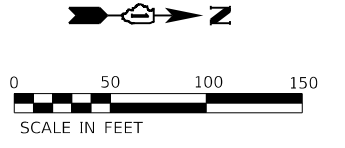


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	DATE - 10/01/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ILL BEACH STATE PARK REPAIRS PROFILE CAMPGROUND EXIT ROAD			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-058-DNR-PK	LAKE	21	10
CONTRACT NO. 62G90				
		ILLINOIS	FED. AID PROJECT	



LEGEND:

TYPE III BARRICADES

NOTES:
 TEMPORARY SIDEWALK (PAID FOR AS TEMPORARY SIDEWALK) SHALL CONSIST OF:
 4" HMA BINDER COURSE, N50
 OR:
 4" PCC.

REMOVAL OF TEMPORARY SIDEWALK WILL BE PAID FOR AS SIDEWALK REMOVAL.

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AES
 ENGINEERS & SURVEYORS
 111 S. Wacker Drive,
 Suite 3910
 Chicago, IL 60606
 Ph: 312-235-6783

USER NAME = mokrent	DESIGNED - TOM	REVISED -
DRAWN - TOM	REVISED -	
PLOT SCALE = 100.0000' / in.	CHECKED - MO	REVISED -
PLOT DATE = 12/7/2018	DATE - 10/01/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

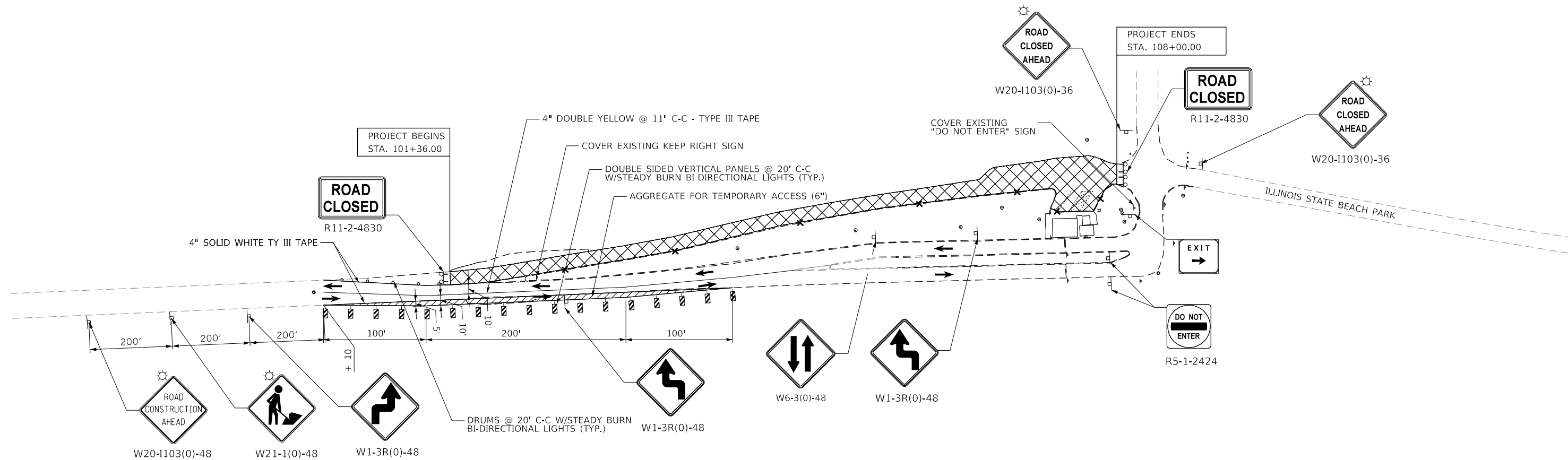
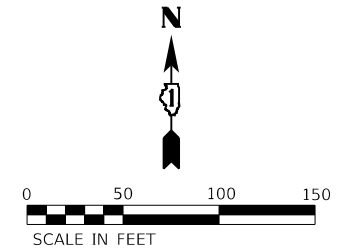
**ILL BEACH STATE PARK REPAIRS
 SUGGESTED TRAFFIC CONTROL - PARKING LOT & TRAIL**

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-058-DNR-PK	LAKE	26	11
CONTRACT NO. 62G90				
ILLINOIS FED. AID PROJECT				

☀ MUST BE REMOVED OR COVERED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

NOTE:
THIS IS AN ENVIRONMENTALLY SENSITIVE AREA WITH WETLANDS ADJOINING THE CONSTRUCTION LIMITS. ANY ACTIVITY THAT DISTURBS A PREVIOUSLY UNDISTURBED AREA COULD ALSO DISTURB THE BLANDING'S TURTLE. THIS INCLUDES PLACING THE AGGREGATE TO MAINTAIN TRAFFIC.

PRIOR TO INITIATING SUCH, THE CONTRACTOR SHALL COORDINATE WITH HERITAGE BIOLOGIST - BRAD SEMEL AT 630-399-3242. IF NESTING AREAS ARE FOUND FOR THE TURTLE THE CONTRACTOR WILL WORK WITH THE HERITAGE BIOLOGIST FOR AN ALTERNATIVE APPROACH.



MODEL: Default
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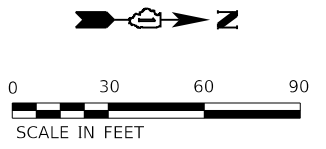
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DRAWN - TOM	REVISIONS -	
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PLOT DATE = 12/7/2018	DATE - 10/01/2018	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL BEACH STATE PARK REPAIRS
SUGGESTED TRAFFIC CONTROL - CAMPGROUND EXIT ROAD

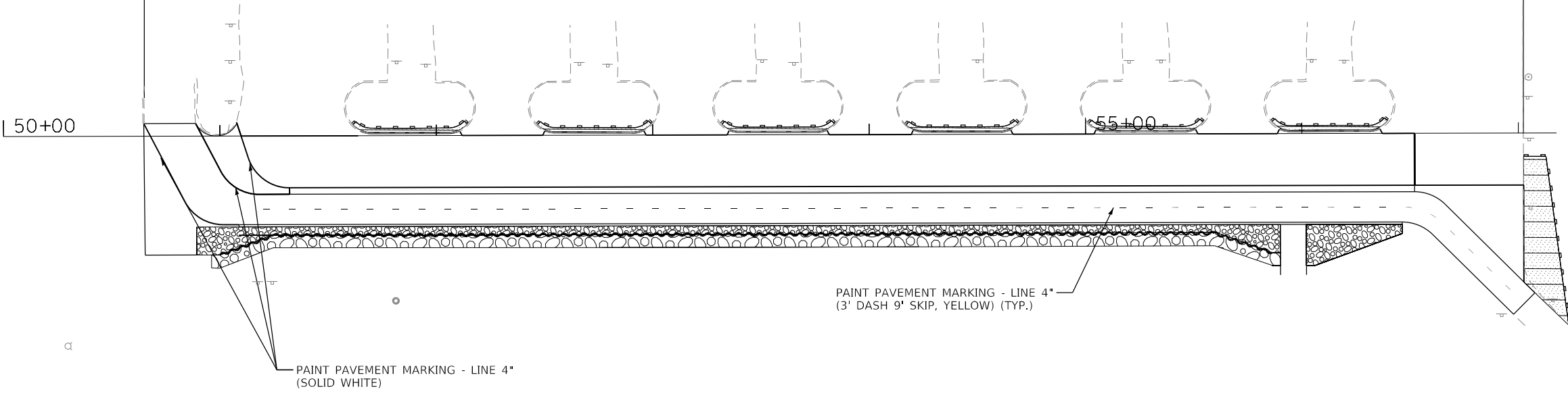
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	2018-058-DNR-PK	LAKE	26	12
CONTRACT NO. 62G90				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



PROJECT BEGINS
STA. 50+65.00

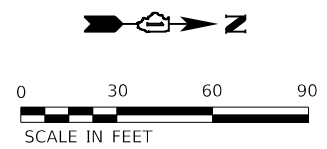
PROJECT ENDS
STA. 57+00.00



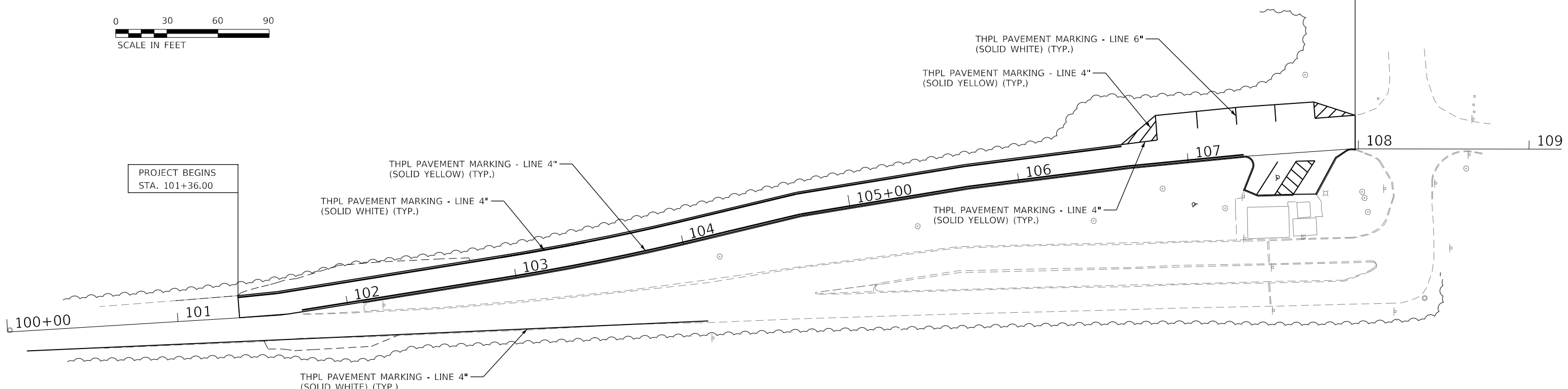
PAINT PAVEMENT MARKING - LINE 4"
(3' DASH 9' SKIP, YELLOW) (TYP.)

PAINT PAVEMENT MARKING - LINE 4"
(SOLID WHITE)

PARKING LOT / TRAIL



PROJECT ENDS
STA. 108+00.00



THPL PAVEMENT MARKING - LINE 6"
(SOLID WHITE) (TYP.)

THPL PAVEMENT MARKING - LINE 4"
(SOLID YELLOW) (TYP.)

THPL PAVEMENT MARKING - LINE 4"
(SOLID YELLOW) (TYP.)

THPL PAVEMENT MARKING - LINE 4"
(SOLID WHITE) (TYP.)

THPL PAVEMENT MARKING - LINE 4"
(SOLID YELLOW) (TYP.)

THPL PAVEMENT MARKING - LINE 4"
(SOLID WHITE) (TYP.)

CAMPGROUND EXIT ROAD

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AES ENGINEERS & SURVEYORS
 111 S. Wacker Drive,
 Suite 3910
 Chicago, IL 60606
 Ph: 312-235-6783

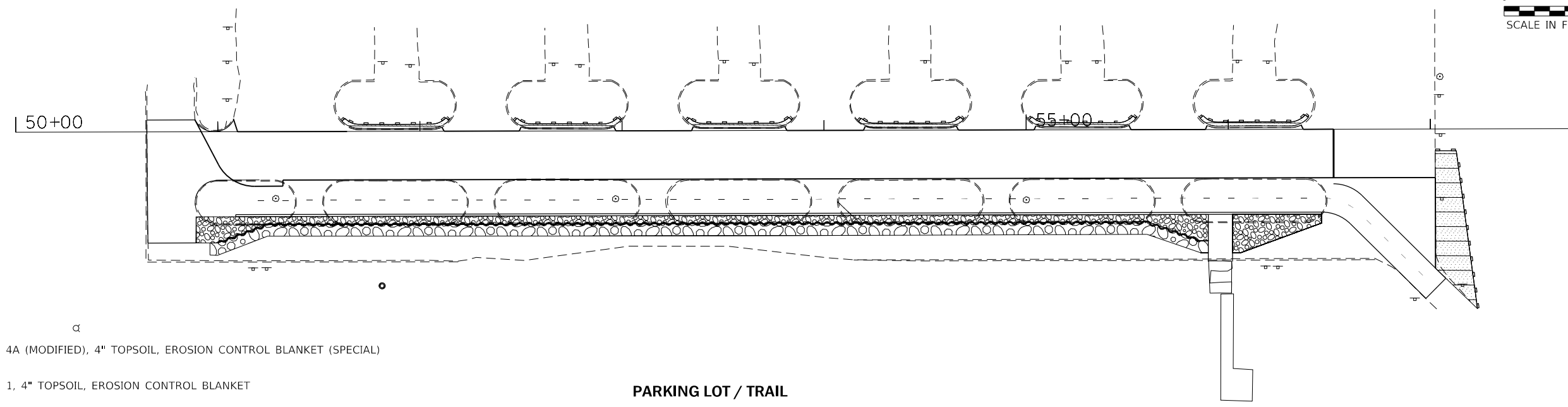
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PLOT DATE = 12/7/2018	DATE - 10/01/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILL BEACH STATE PARK REPAIRS
PAVEMENT MARKING**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-058-DNR-PK	LAKE	26	13
CONTRACT NO. 62G90				
ILLINOIS FED. AID PROJECT				



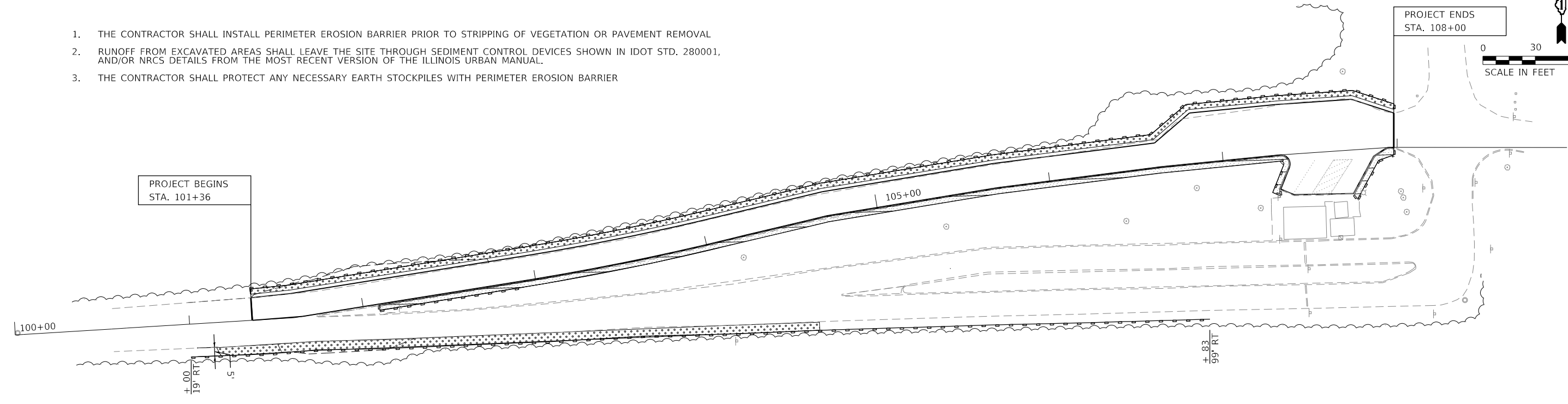
LEGEND:

- SEEDING, CLASS 4A (MODIFIED), 4" TOPSOIL, EROSION CONTROL BLANKET (SPECIAL)
- SEEDING, CLASS 1, 4" TOPSOIL, EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER

PARKING LOT / TRAIL

NOTES:

1. THE CONTRACTOR SHALL INSTALL PERIMETER EROSION BARRIER PRIOR TO STRIPPING OF VEGETATION OR PAVEMENT REMOVAL
2. RUNOFF FROM EXCAVATED AREAS SHALL LEAVE THE SITE THROUGH SEDIMENT CONTROL DEVICES SHOWN IN IDOT STD. 280001, AND/OR NRCS DETAILS FROM THE MOST RECENT VERSION OF THE ILLINOIS URBAN MANUAL.
3. THE CONTRACTOR SHALL PROTECT ANY NECESSARY EARTH STOCKPILES WITH PERIMETER EROSION BARRIER



CAMPGROUND EXIT ROAD

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AES ENGINEERS & SURVEYORS
 111 S. Wacker Drive,
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 Chicago, IL 60606
 Ph: 312-235-6783

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	DATE - 10/01/2018	REVISED -

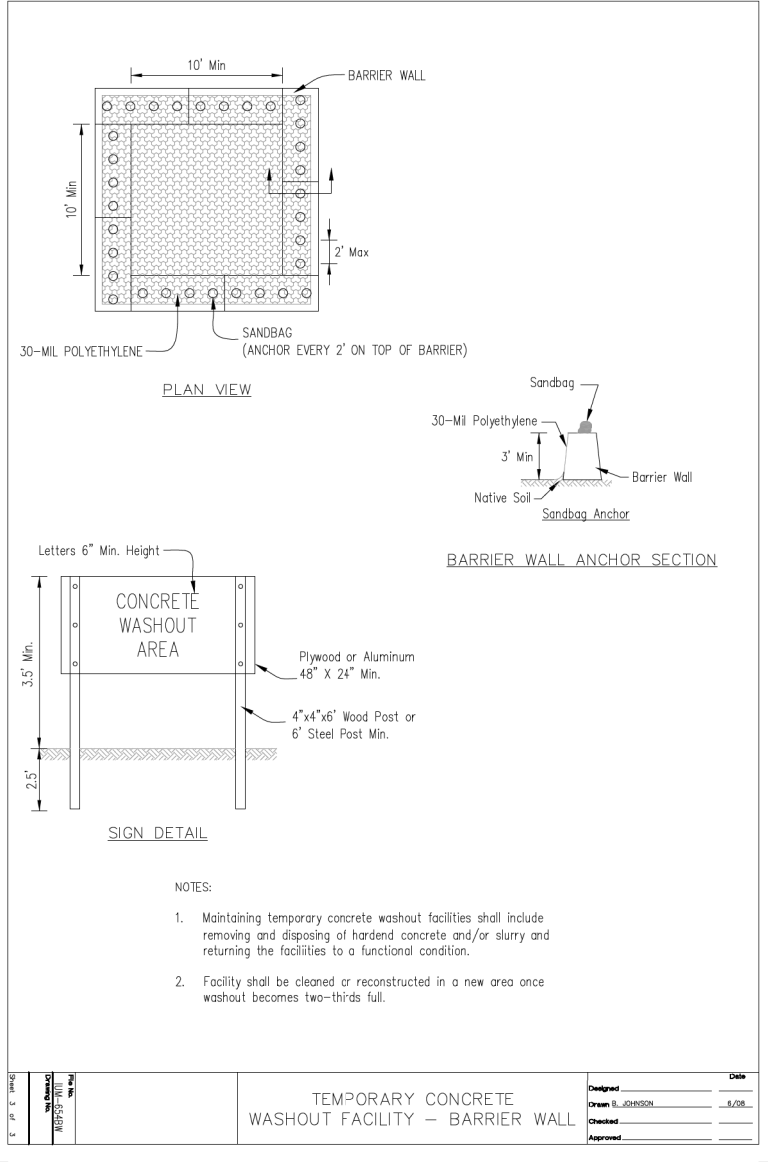
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ILL BEACH STATE PARK REPAIRS
 EROSION CONTROL PLAN

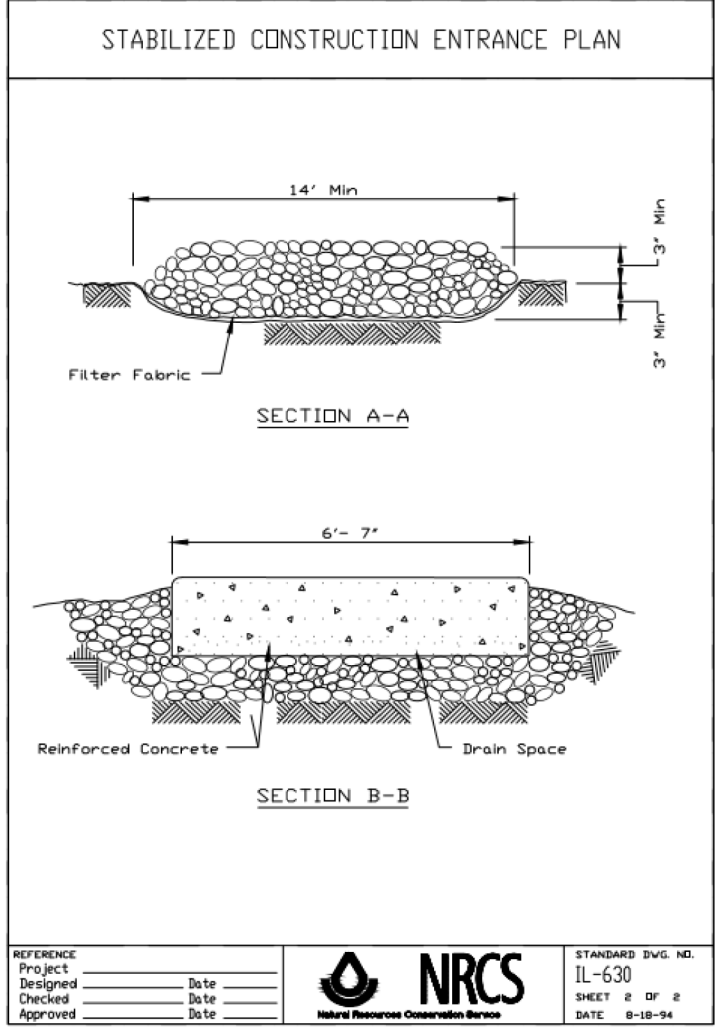
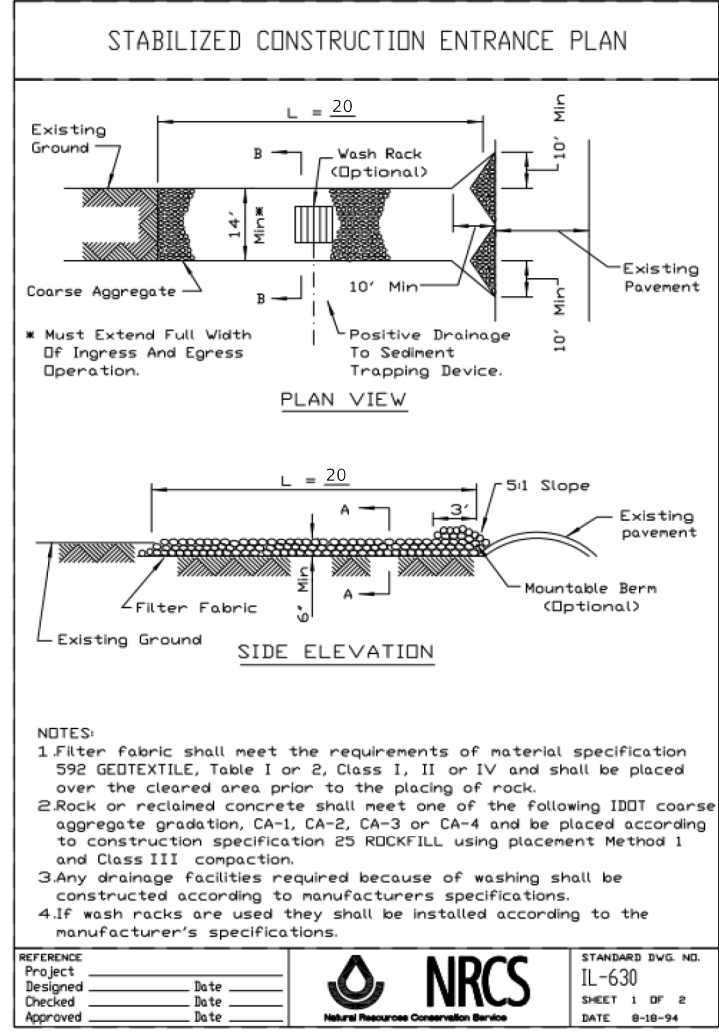
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F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-058-DNR-PK	LAKE	26	14
CONTRACT NO. 62G90				
ILLINOIS		FED. AID PROJECT		

AUTOCAD2006



NOTE: NOT PAID FOR SEPARATELY



NOTE: PAID FOR AS AGGREGATE FOR TEMPORARY ACCESS AND GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.

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111 S. Wacker Drive,
Suite 3910
Chicago, IL 60606
Ph: 312-235-6783

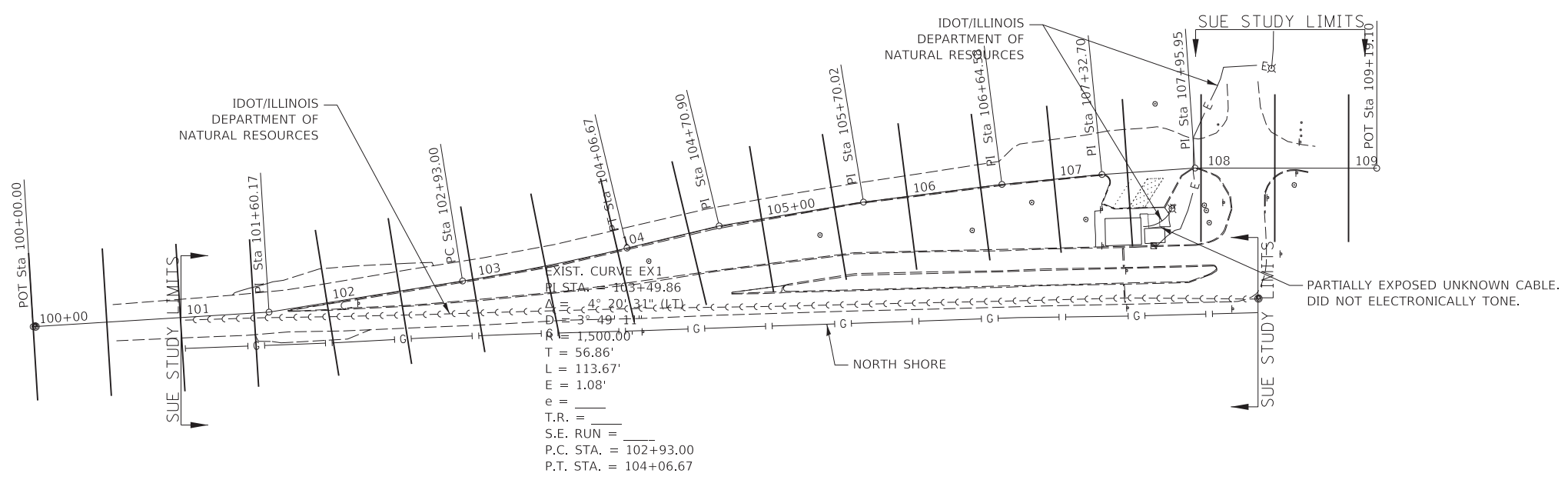
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	DATE - 10/01/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: N/A	SHEET 1 OF 1 SHEETS	STA. TO STA.
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ILL BEACH STATE PARK REPAIRS
EROSION & SEDIMENT CONTROL DETAILS

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	2018-058-DNR-PK	LAKE	26	15
CONTRACT NO. 62G90				
ILLINOIS FED. AID PROJECT				

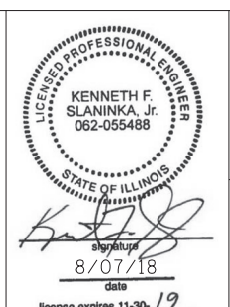
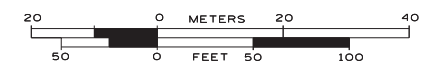


- A — A — A — AERIAL
- O — O — O — UNKNOWN
- CTV — CTV — CTV — CABLE TV
- T — T — T — TELEPHONE
- G — G — G — GAS
- E — E — E — ELECTRIC
- WS — WS — WS — TRAFFIC SIGNAL/LIGHTING
- W — W — W — WATER
- FM — FM — FM — FORCE MAIN
- FO — FO — FO — FIBER OPTIC
- CH — CH — CH — CARDNO TEST HOLE
- EOI — END OF INFORMATION

UTILITY OWNERS	
COM ED - ELECTRIC	
NORTH SHORE - GAS	
IDOT/ILLINOIS DEPT. OF NATURAL RESOURCES - ELECTRIC - FORCE MAIN	

Utilities shown on these plans as depicted in the legend have been investigated by Cardno in accordance with SUE Industry Standards. All other information shown has been provided to Cardno by others. Cardno's QL-B SUE field investigation was performed 7/27/18 through 8/3/18. Changes to utilities after 8/3/18 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
 121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431
 (815) 744-3720 claassenwhite@cwasurevey.com

Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	ER/LP	REVISION
DRAWN	KLC	REVISION
CHECKED	KFS	REVISION
DATE	8/07/18	REVISION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUE STUDY IL BEACH STATE PARK
ZION, IL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-058-DNR-PK	LAKE	26	17
FED. ROAD DIST. No. [] ILLINOIS IDOT Project No.			Contract No. 62G90	

CARDNO Job No. IL09510771
 SUE Plan Page: 1 of 2

Control Point: Magnail in Asphalt near curb and gutter.
 Northing: 2100126.99
 Easting: 1126857.76
 Elev. 586.426
 Existing Structure: None

HIGHWAY CLASSIFICATION

Illinois Beach State Park Trail
 ADT: N/A
 ADTT: N/A
 DHV: N/A
 Design Speed: N/A
 Posted Speed: N/A
 Two-Way Pedestrian & Bicycle Traffic
 Directional Distribution: 50/50

LOADING HL-93

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

DESIGN SPECIFICATIONS

2014 AASHTO LRFD Bridge Design Specifications, 7th Edition with 2015 Interims

DESIGN STRESSES

FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (M270 Grade 50)

INDEX OF SHEETS

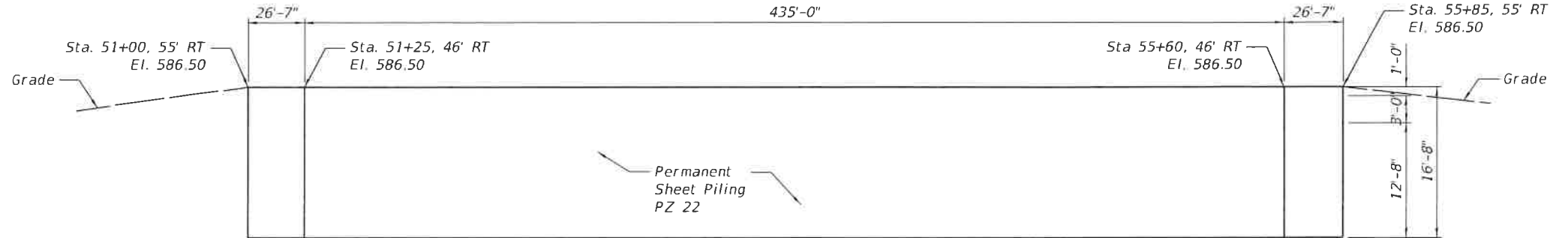
S1 - General Plan & Elevation
 S2 - Permanent Sheet Pile Details

GENERAL NOTES

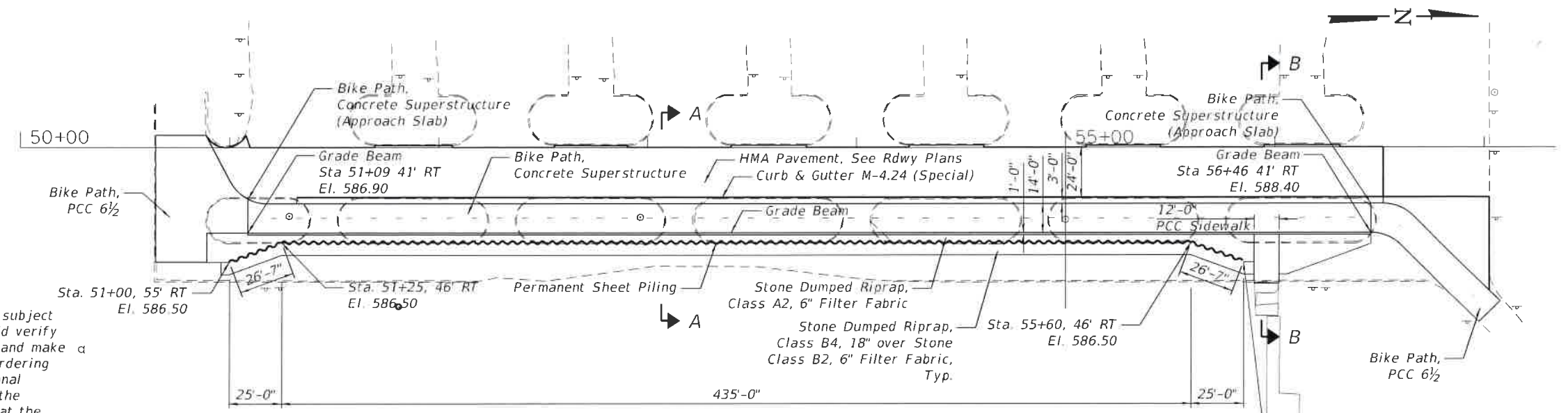
- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The contractor shall field verify existing dimensions and details affecting new construction and make a necessary approved adjustments prior to construction or ordering of materials. such variations shall not be cause for additional compensation for a change in scope of the work, however, the contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- Sheet pile steel shall be AASHTO M202 grade 50 (ASTM 572 grade 50. $f_y=36$ ksi). All other steel be AASHTO M270 (ASTM A709) grade 36 except where noted otherwise.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Subbase Granular Material Type B, 4"	SQ YD	836
Concrete Superstructure	CU YD	40
Concrete Superstructure (Approach Slab)	CU YD	174
Reinforcement Bars, Epoxy Coated	POUND	14,690
Permanent Sheet Piling	SQ FT	8,216

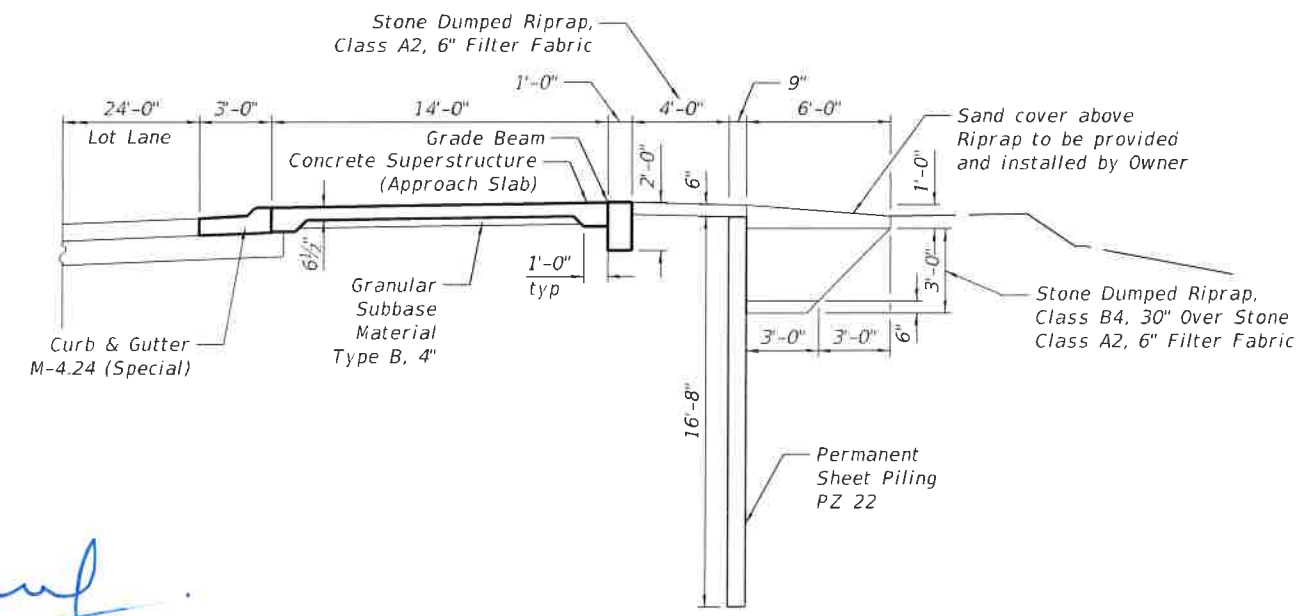


ELEVATION

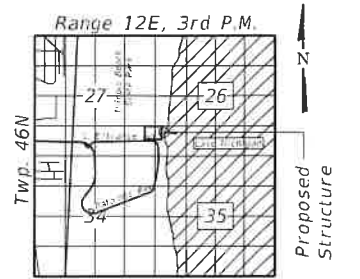


PLAN

(See Sheet S2 for Section A-A & B-B)



SECTION



LOCATION SKETCH

MOHAMMED SALEM
 081.006145
 LICENSED STRUCTURAL ENGINEER
 STATE OF ILLINOIS
 DATE: 12/06/2018
 IL LICENSE PROFESSIONAL
 LICENSE EXPIRES ON 11/30/2020

**GENERAL PLAN & ELEVATION
 ILLINOIS STATE BEACH PARK
 SECTION 2018-058-DNR-PK
 LAKE COUNTY
 STATION 51+00.00 TO 55+85.00**

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
 ILLINOIS BEACH STATE PARK - TRAIL REPAIRS

USER NAME	awmohammed	DESIGNED	AWM	REVISED	-
PLOT SCALE	64.0000' / in.	CHECKED	MS	REVISED	-
PLOT DATE	12/6/2018	DRAWN	AWM	REVISED	-
		CHECKED	MS	REVISED	-

SHEET S1 OF S2 SHEETS

FA RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-058-DNR-PK	LAKE	26	19
			CONTRACT NO. 62G90	
ILLINOIS FED. AID PROJECT				

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Control Point: Magnail in Asphalt near curb and gutter.
 Northing: 2100126.99
 Easting: 1126857.76
 Elev. 586.426
 Existing Structure: None

HIGHWAY CLASSIFICATION

Illinois Beach State Park Trail
 ADT: N/A
 ADTT: N/A
 DHV: N/A
 Design Speed: N/A
 Posted Speed: N/A
 Two-Way Pedestrian & Bicycle Traffic
 Directional Distribution: 50/50

LOADING HL-93

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

DESIGN SPECIFICATIONS

2014 AASHTO LRFD Bridge Design
 Specifications, 7th Edition with 2015 Interims

DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (M270 Grade 50)

INDEX OF SHEETS

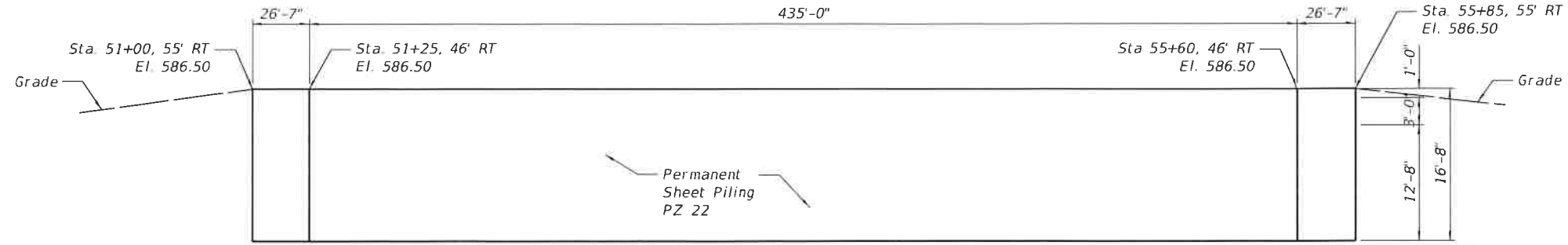
S1 - General Plan & Elevation
 S2 - Permanent Sheet Pile Details

GENERAL NOTES

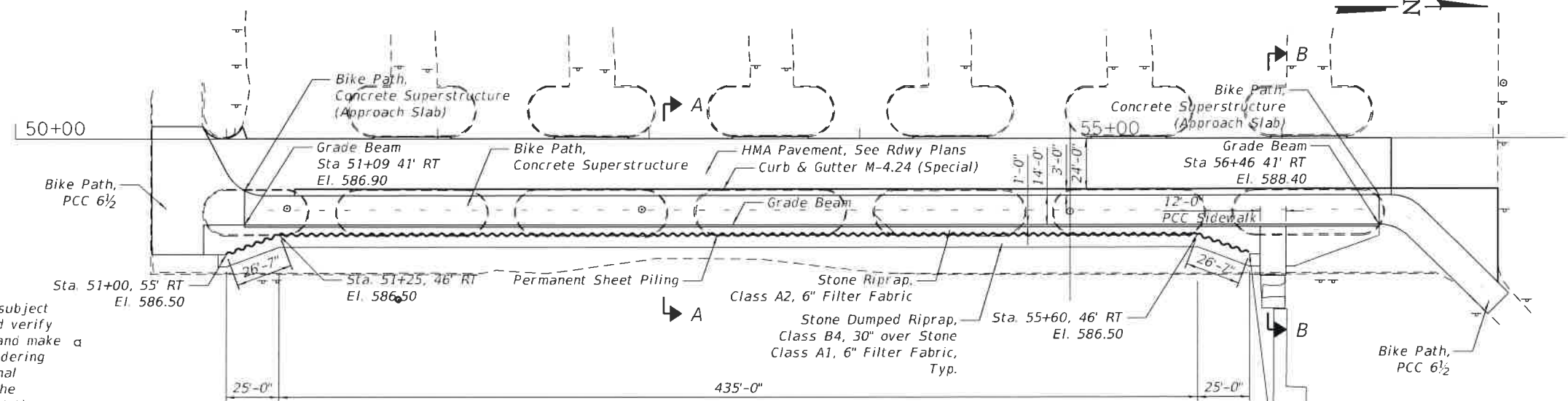
- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The contractor shall field verify existing dimensions and details affecting new construction and make a necessary approved adjustments prior to construction or ordering of materials. such variations shall not be cause for additional compensation for a change in scope of the work, however, the contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- Sheet pile steel shall be AASHTO M202 grade 50 (ASTM 572 grade 50. $f_y=36$ ksi). All other steel be AASHTO M270 (ASTM A709) grade 36 except where noted otherwise.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Subbase Granular Material Type B, 4"	SQ YD	836
Concrete Superstructure	CU YD	40
Concrete Superstructure (Approach Slab)	CU YD	174
Reinforcement Bars, Epoxy Coated	POUND	14,690
Permanent Sheet Piling	SQ FT	8,216

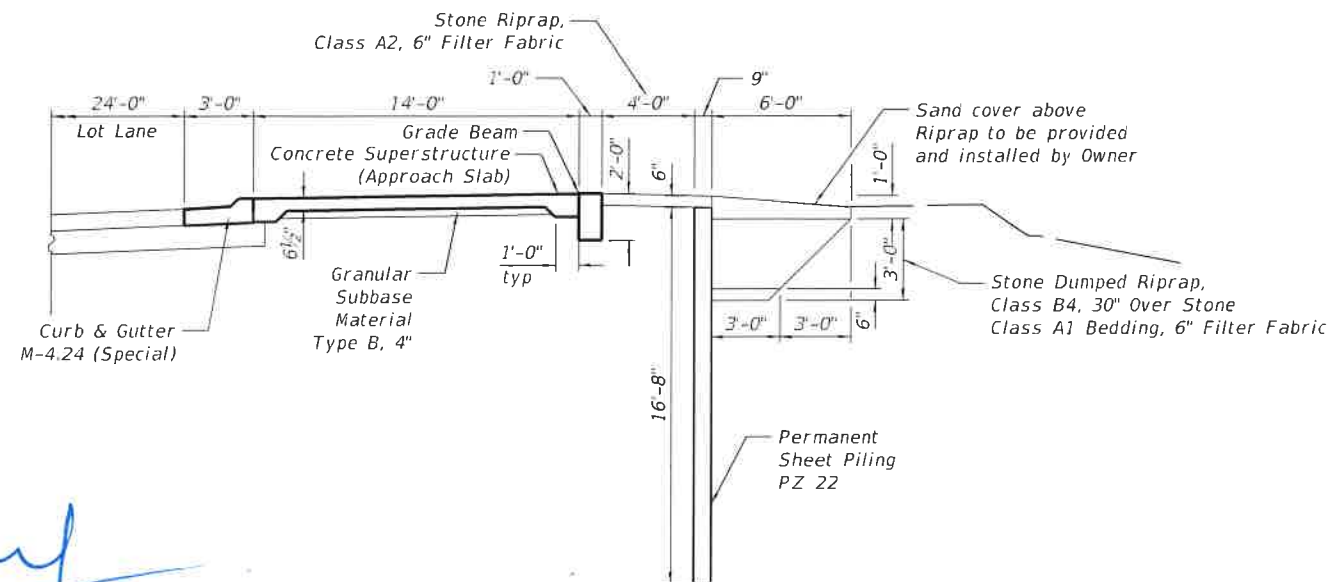


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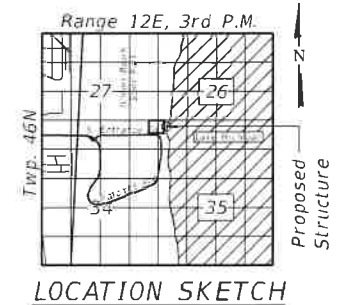


PLAN

(See Sheet S2 for Section A-A & B-B)



SECTION



**GENERAL PLAN & ELEVATION
 ILLINOIS STATE BEACH PARK
 SECTION 2018-058-DNR-PK
 LAKE COUNTY
 STATION 51+00.00 TO 55+85.00**

MOHAMMED SALEEM
 081.008145
 LICENSED STRUCTURAL ENGINEER
 STATE OF ILLINOIS
 DATE: 12/06/2018
 ILL. LICENSED PROFESSIONAL
 LICENSE EXPIRES ON 11/30/2020

USER NAME = mokrent	DESIGNED - AWM	REVISD -
PLOT SCALE = 64.0000' / in	CHECKED - MS	REVISD -
PLOT DATE = 12/27/2018	DRAWN - AWM	REVISD -
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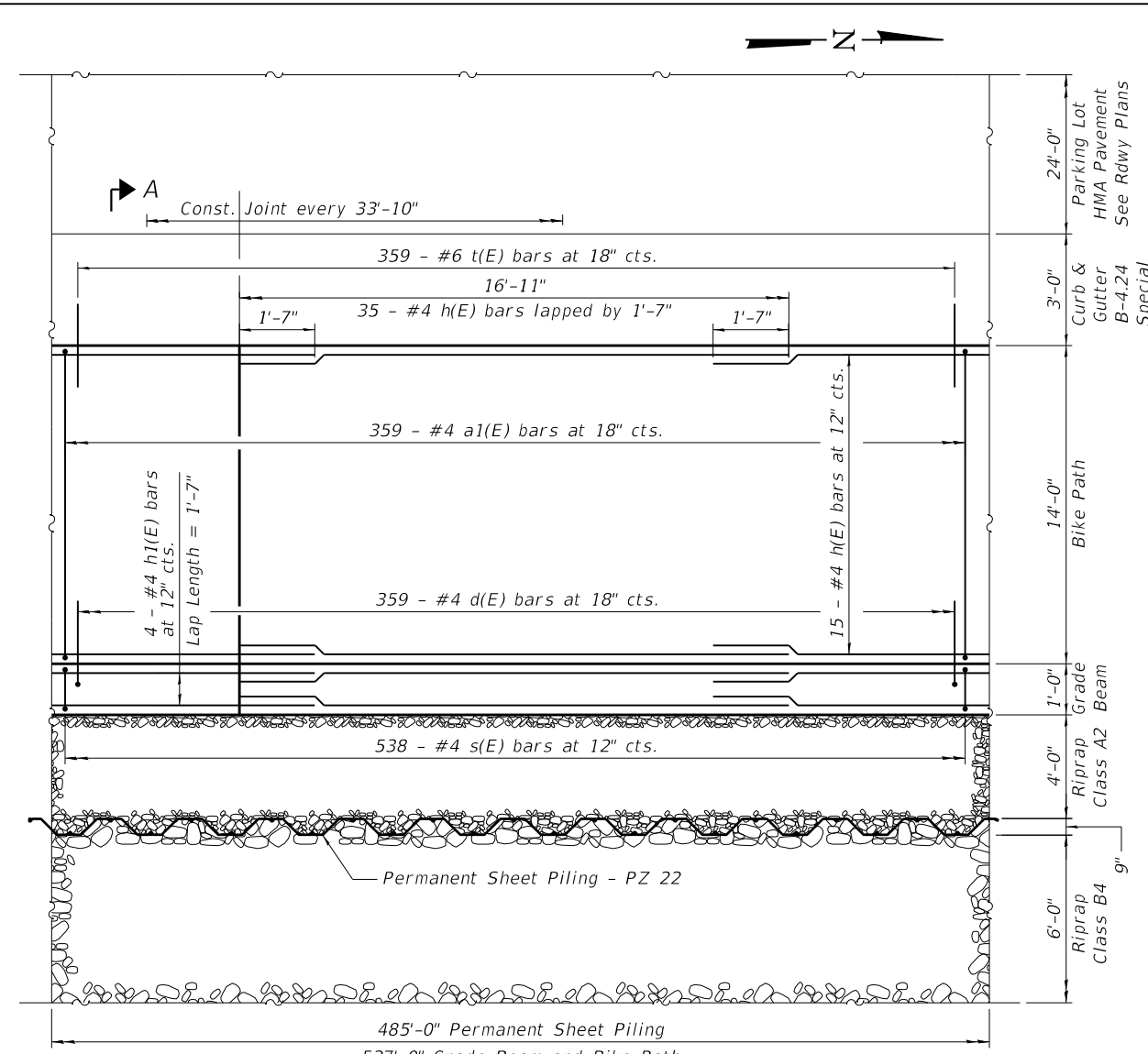
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN AND ELEVATION
 ILLINOIS BEACH STATE PARK - TRAIL REPAIRS**

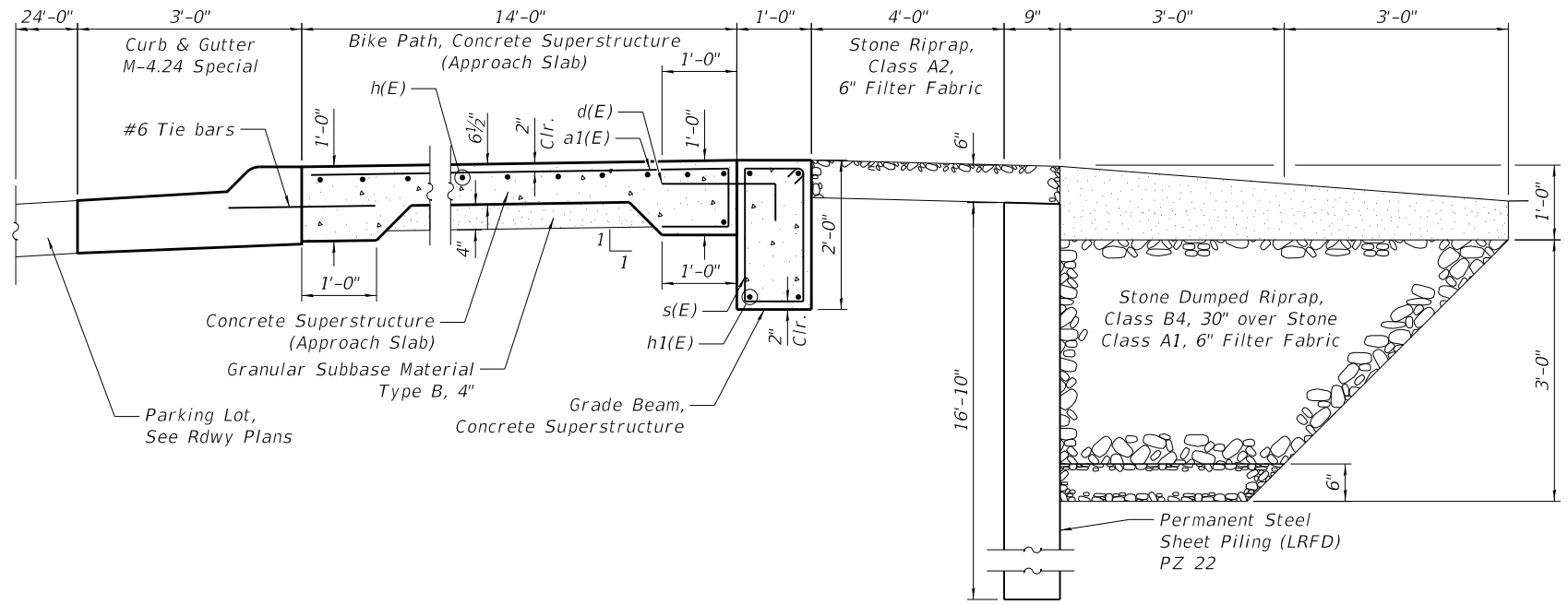
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
	2018-058-DNR-PK	LAKE	26	19
CONTRACT NO. 62G90				
ILLINOIS FED AID PROJECT				

SHEET S1 OF S2 SHEETS

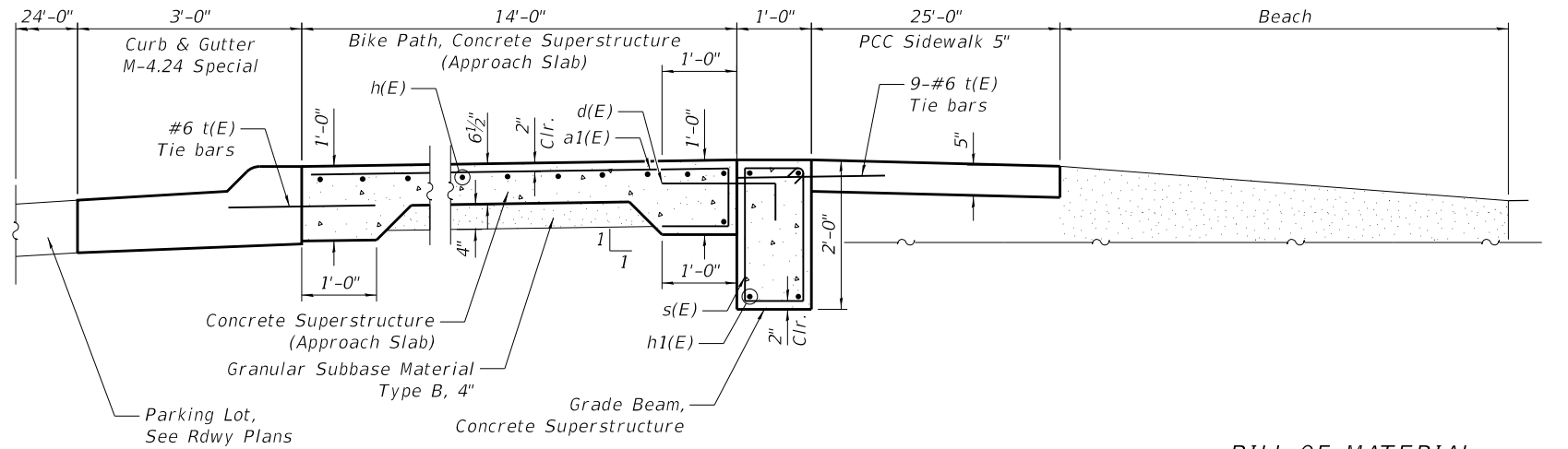
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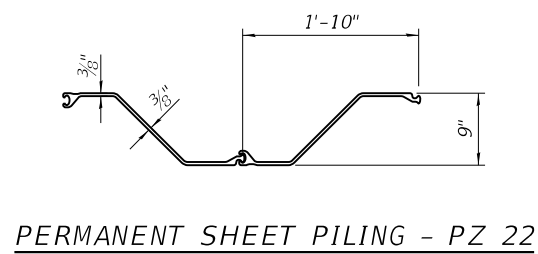
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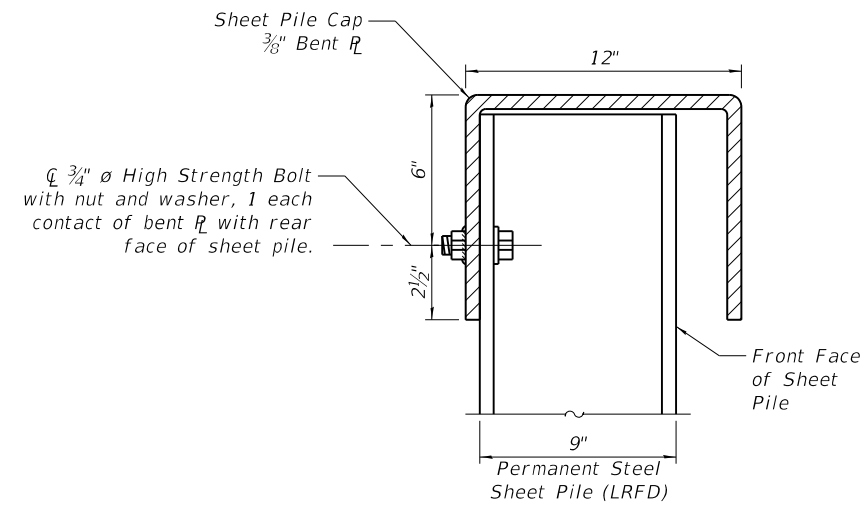
SECTION A-A



SECTION B-B

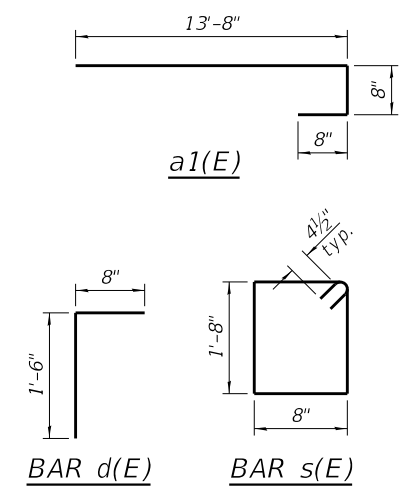


PERMANENT SHEET PILING - PZ 22



BENT STEEL CAP PLATE

Cost included with Permanent Sheet Piling



BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
a1(E)	359	#4	15'-0"	┌	
d(E)	359	#4	2'-2"	┌	
h(E)	525	#4	16'-11"	—	
h1(E)	140	#4	16'-11"	—	
s(E)	538	#4	5'-5"	□	
t(E)	368	#6	2'-0"	—	
Subbase Granular Material Type B, 4"				Sq. Yd.	836
Concrete Superstructures				Cu. Yd.	40
Concrete Superstructures (Approach Slab)				Cu. Yd.	174
Reinforcement Bars, Epoxy Coated				Pound	14,690
Permanent Steel Piling				Foot	8,216

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CHECKED -	MS	REVISIONS			
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PLOT DATE =	12/27/2018	CHECKED -	MS	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PERMANENT SHEET PILING DETAILS
ILLINOIS BEACH STATE PARK - TRAIL REPAIRS**

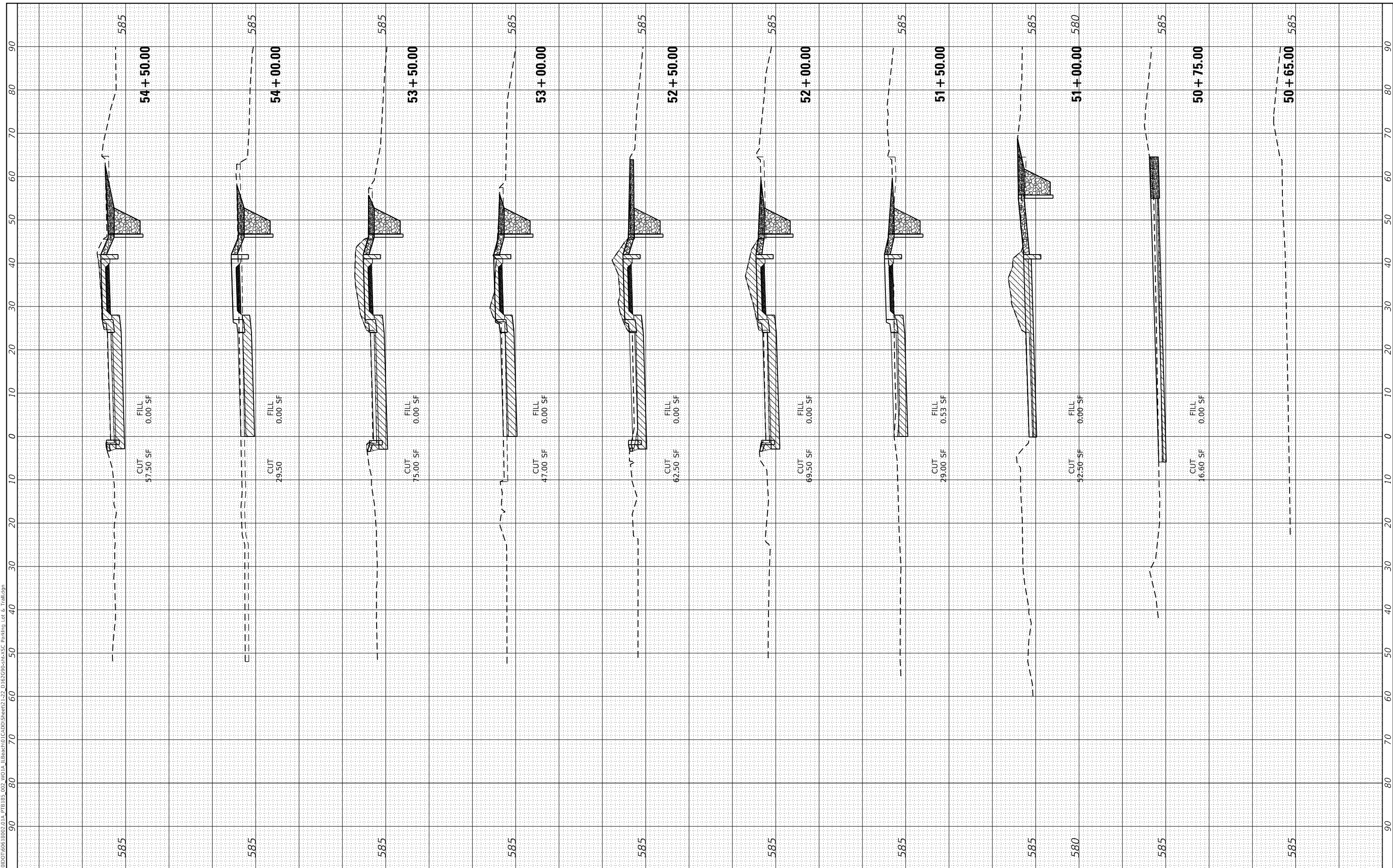
SHEET S2 OF S2 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-058-DNR-PK	LAKE	26	20
CONTRACT NO. 62G90				
ILLINOIS FED. AID PROJECT				

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

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

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 PLOT DATE = 12/6/2018



111 S. Wacker Drive,
 Suite 3910
 Chicago, IL 60606
 Ph: 312-235-6783

USER NAME = tmohammed
 DESIGNED - TOM
 DRAWN - TOM
 CHECKED - MO
 DATE - 12/06/2018

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ILL BEACH STATE PARK REPAIRS
 CROSS SECTIONS PARKING LOT / TRAIL

SCALE: SHEET OF SHEETS STA. 50+65.00 TO STA. 54+50.00

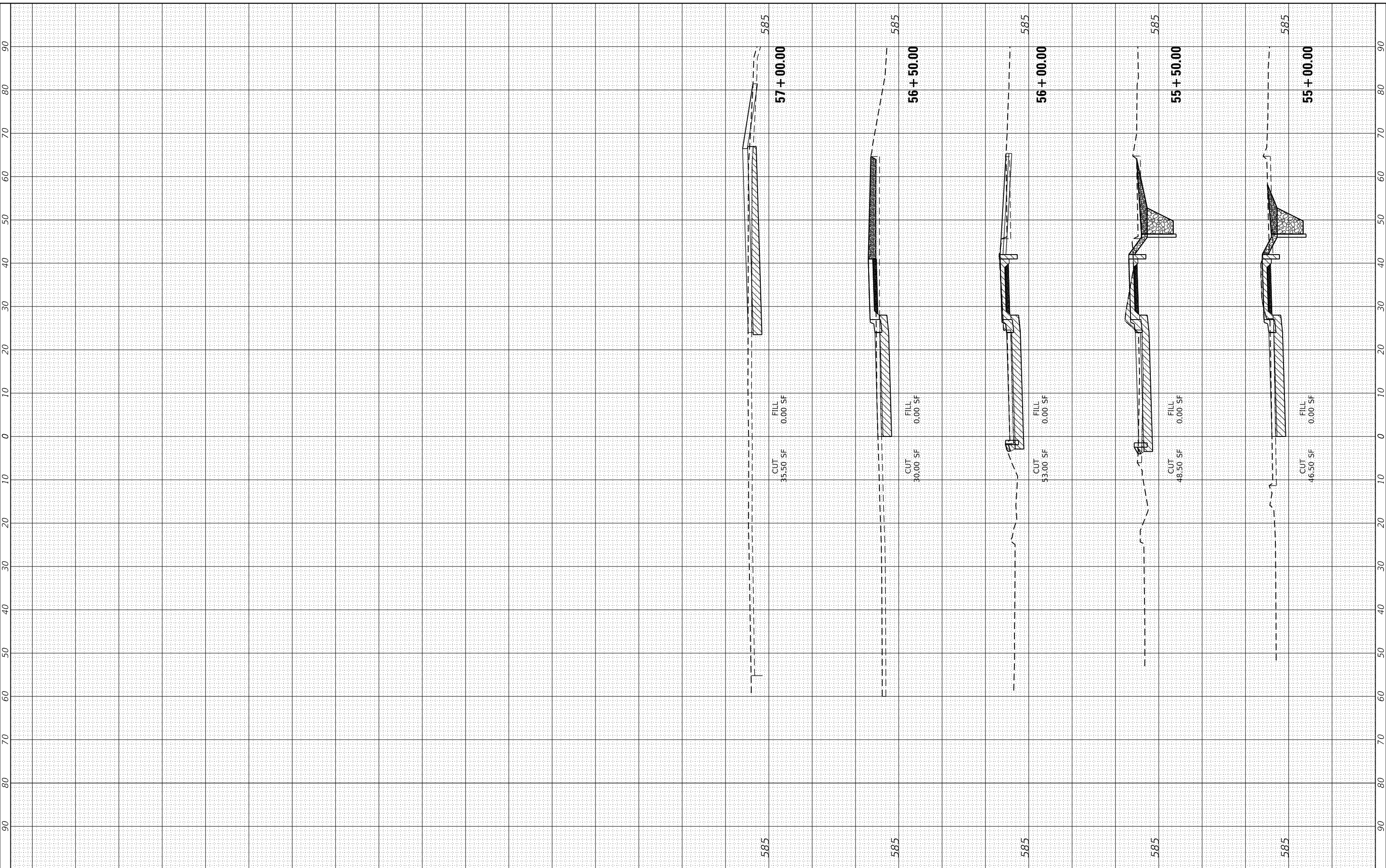
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-058-DNR-PK	LAKE	26	21
CONTRACT NO. 62G90				

ILLINOIS FED. AID PROJECT

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

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

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111 S. Wacker Drive,
 Suite 3910
 Chicago, IL 60606
 Ph: 312-235-6783

USER NAME =	tmohammed
DESIGNED -	TOM
DRAWN -	TOM
CHECKED -	MO
DATE -	12/06/2018

REVISED -	
REVISED -	
REVISED -	
REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ILL BEACH STATE PARK REPAIRS
 CROSS SECTIONS PARKING LOT / TRAIL

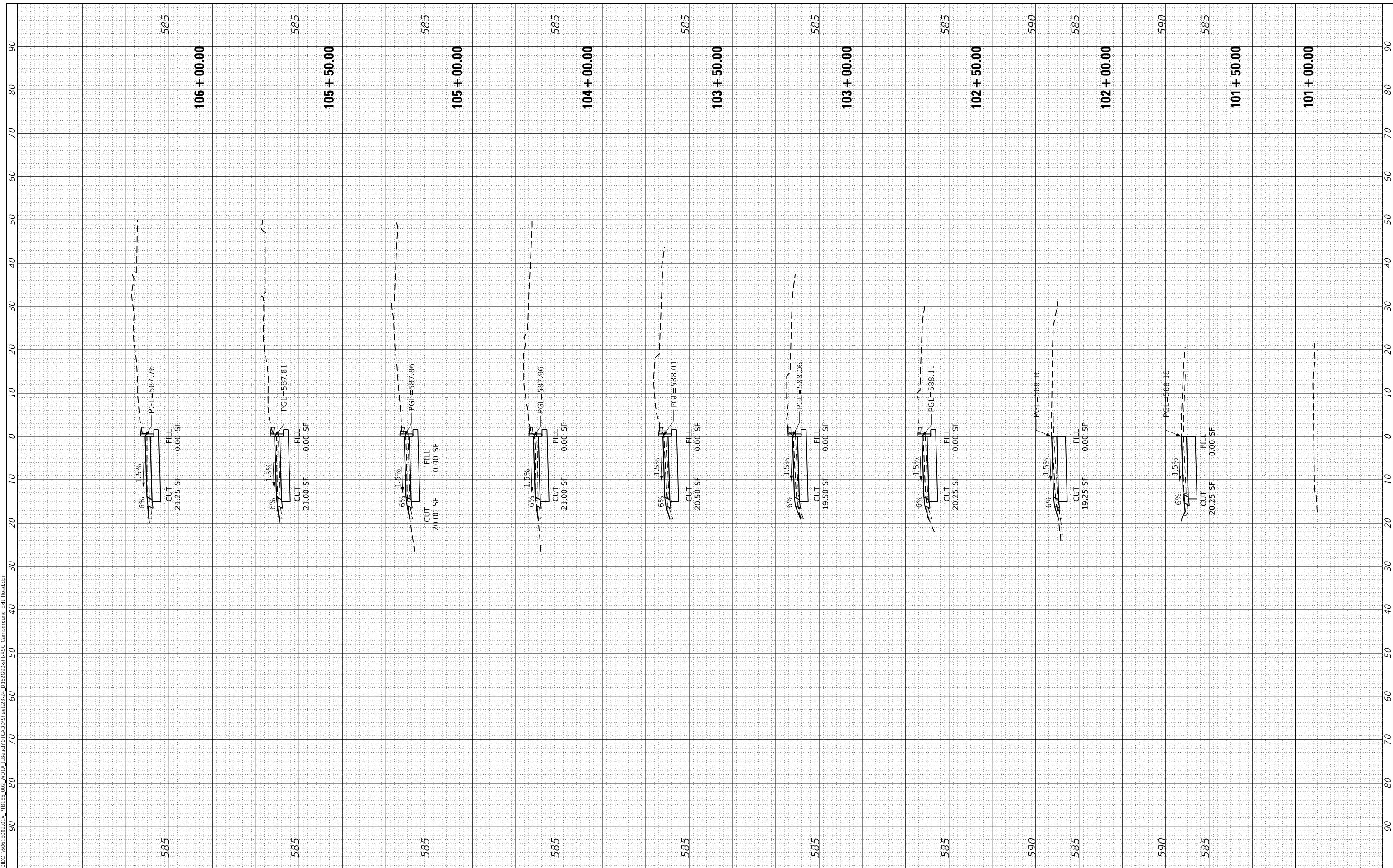
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-058-DNR-PK	LAKE	26	22
CONTRACT NO. 62G90				
ILLINOIS FED. AID PROJECT				

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

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

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111 S. Wacker Drive,
 Suite 3910
 Chicago, IL 60606
 Ph: 312-235-6783

USER NAME = tmohammed	DESIGNED - TOM	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - TOM	REVISED -
PLOT DATE = 12/6/2018	CHECKED - MO	REVISED -
	DATE - 12/06/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ILL BEACH STATE PARK REPAIRS
 CROSS SECTIONS CAMPGROUND EXIT ROAD**

SCALE: SHEET OF SHEETS STA. 100+60.00 TO STA. 106+60.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-058-DNR-PK	LAKE	26	23
CONTRACT NO. 62G90				
ILLINOIS FED. AID PROJECT				

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	

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111 S. Wacker Drive,
 Suite 3910
 Chicago, IL 60606
 Ph: 312-235-6783

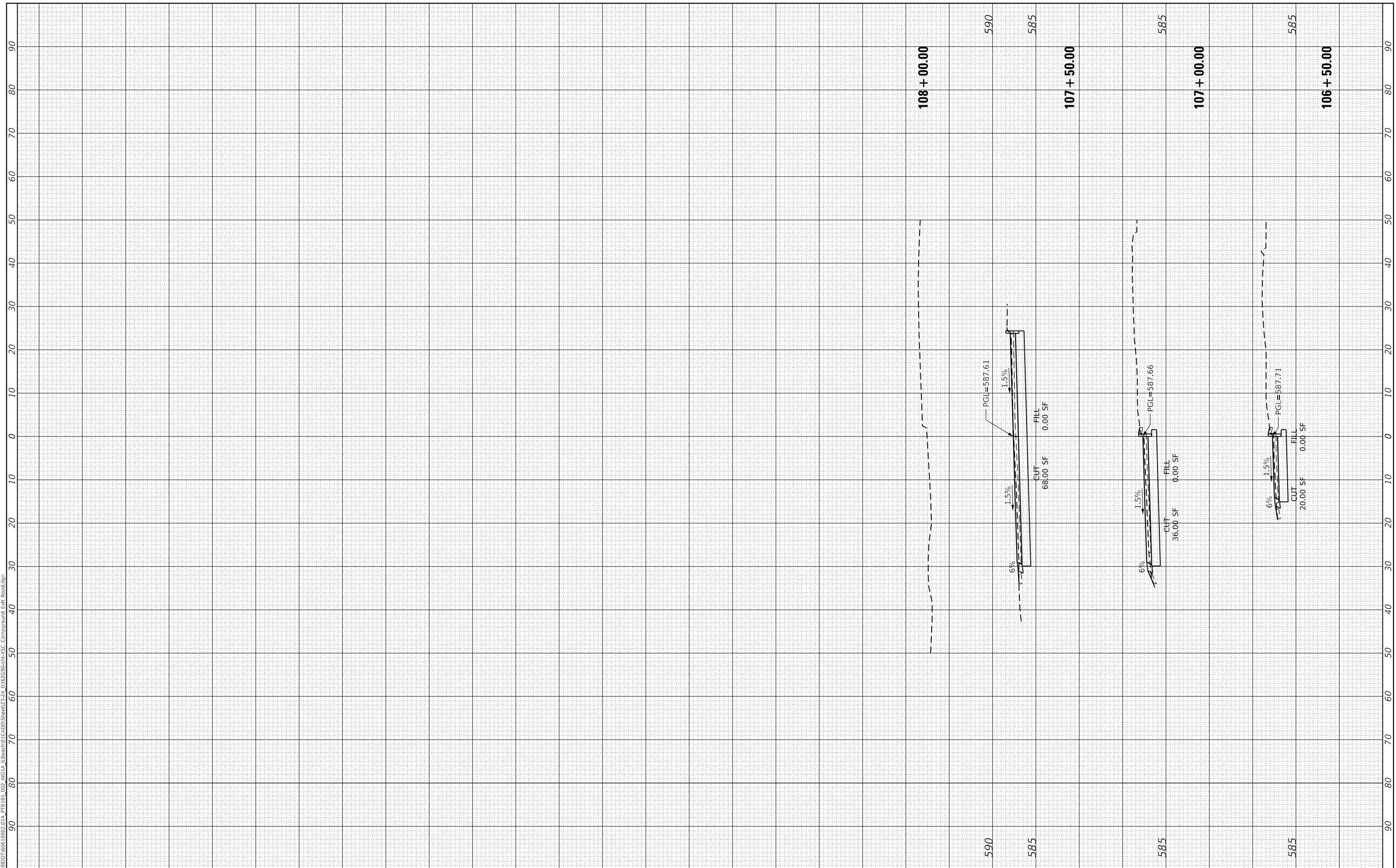
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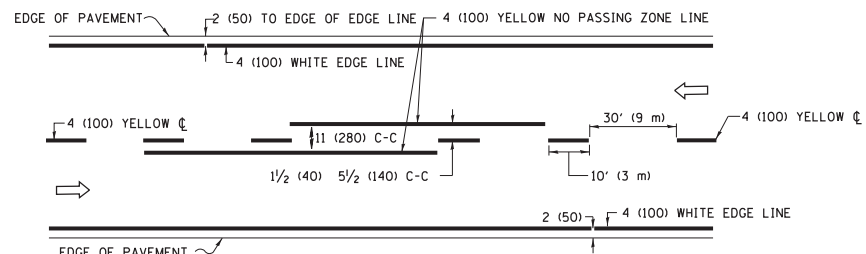
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ILL BEACH STATE PARK REPAIRS
 CROSS SECTIONS CAMPGROUND EXIT ROAD

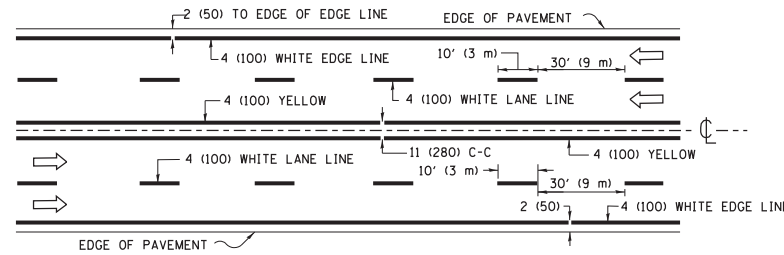
SCALE: SHEET OF SHEETS STA. 106+60.00 TO STA. 108+60.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-058-DNR-PK	LAKE	26	24
CONTRACT NO. 62G90				
ILLINOIS FED. AID PROJECT				

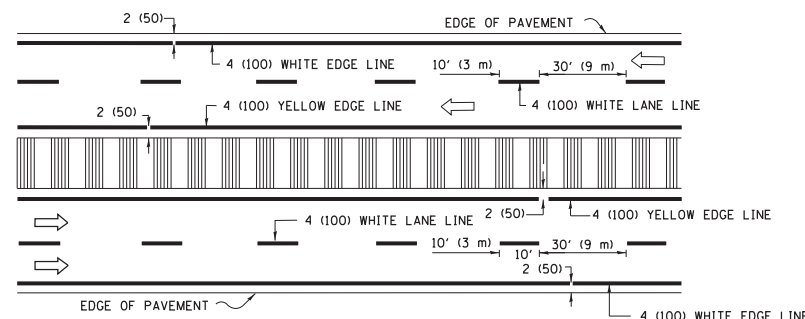




2-LANE ROADWAY

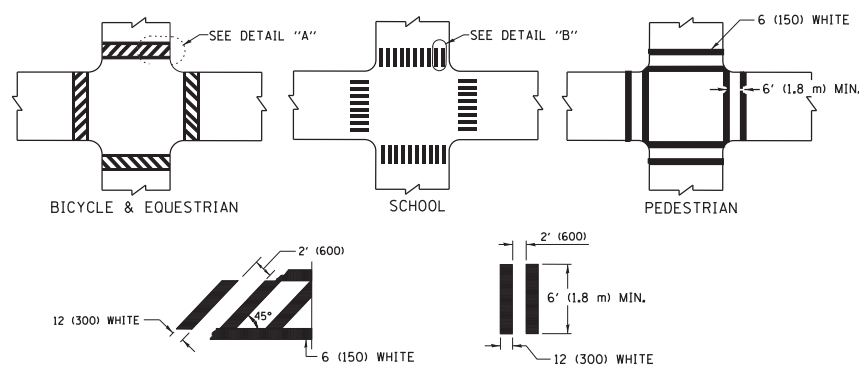


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

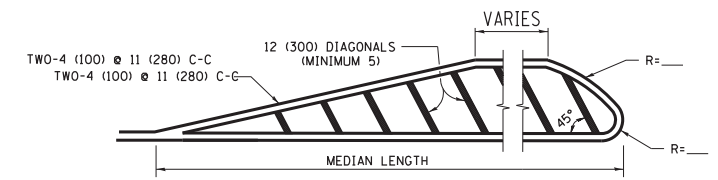
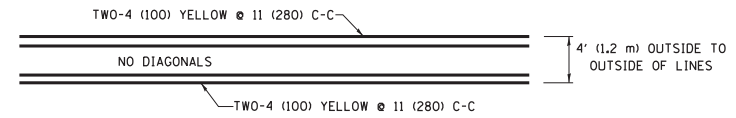


DETAIL "A"

DETAIL "B"

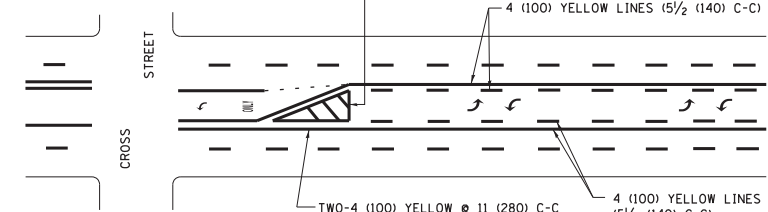
TYPICAL CROSSWALK MARKING

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

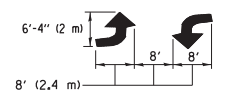


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
 75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

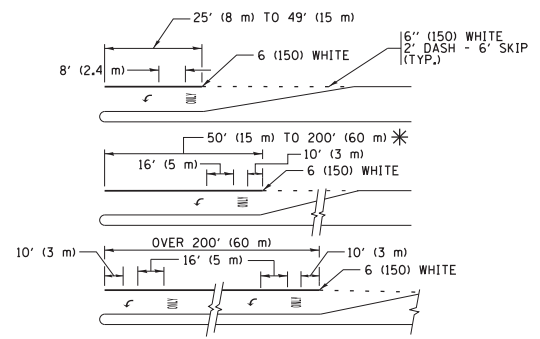


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

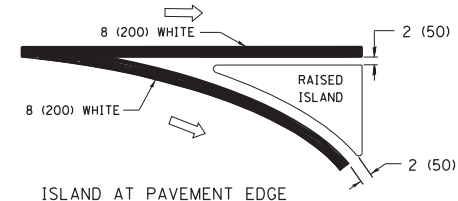
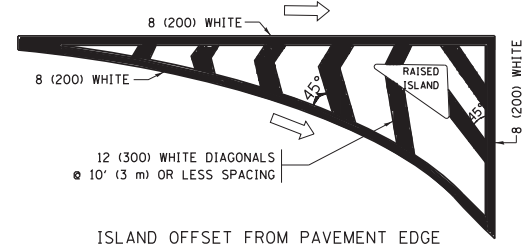


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 * AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

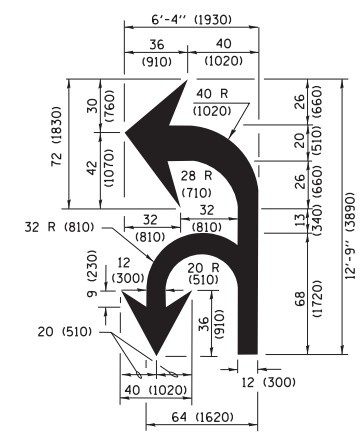
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

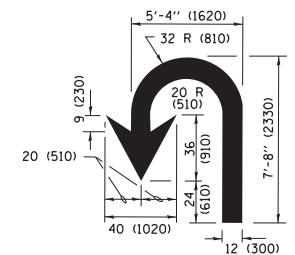
TYPICAL TURN LANE MARKING



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 ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
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.

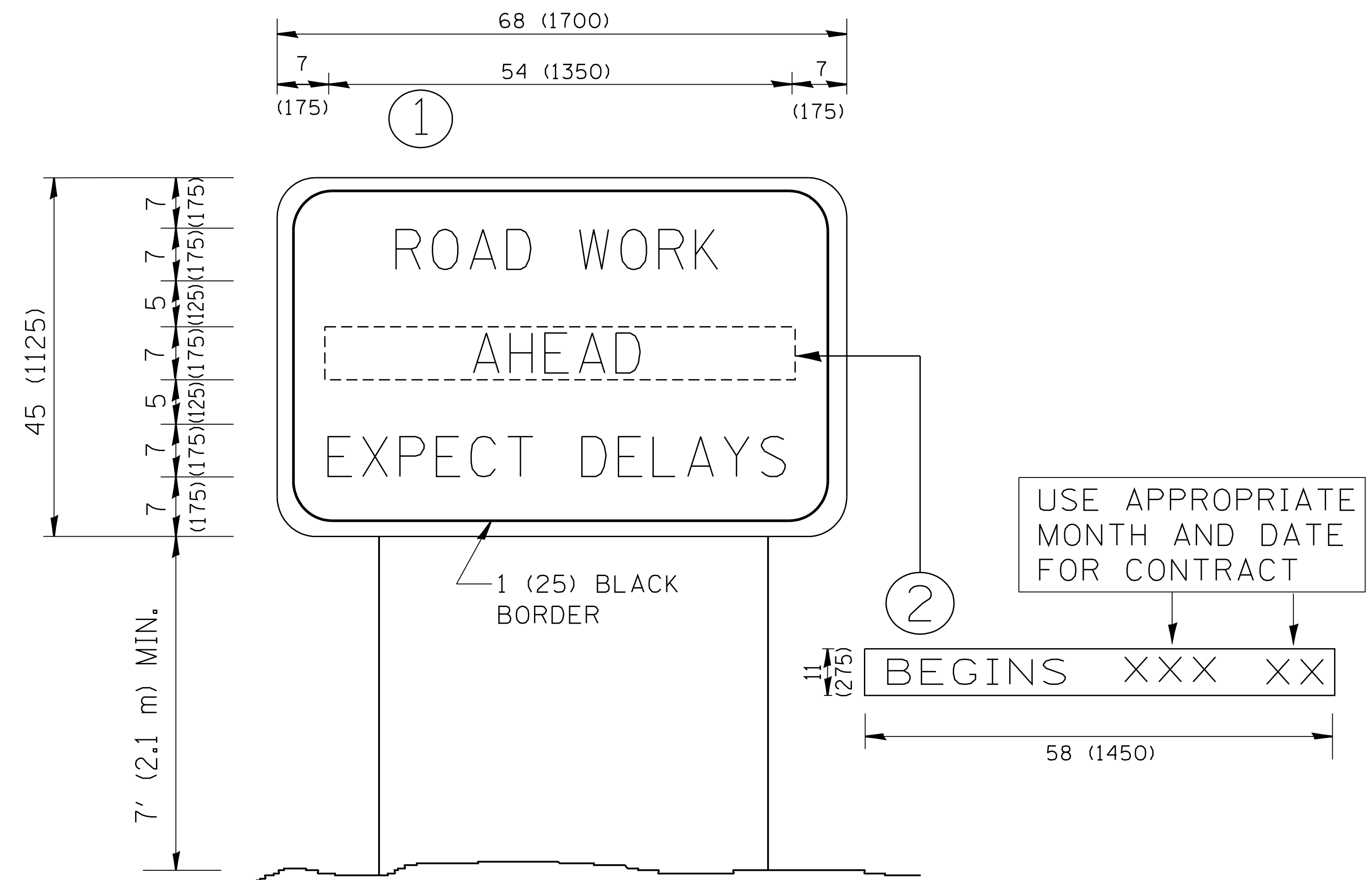
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		DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
TYPICAL PAVEMENT MARKINGS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	2018-058-DNR-PK	LAKE	26	25
TC-13		CONTRACT NO.	62G90	
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.

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	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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	2018-058-DNR-PK	LAKE	26	26
TC-22		CONTRACT NO. 62G90		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				