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 17 EROSION CONTROL PLAN
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 25 MISCELLANEOUS DETAILS
 26 INLET-COMBINATION CONCRETE CURB AND GUTTER (BARRIER CURB)
 27 PLANTING DETAILS

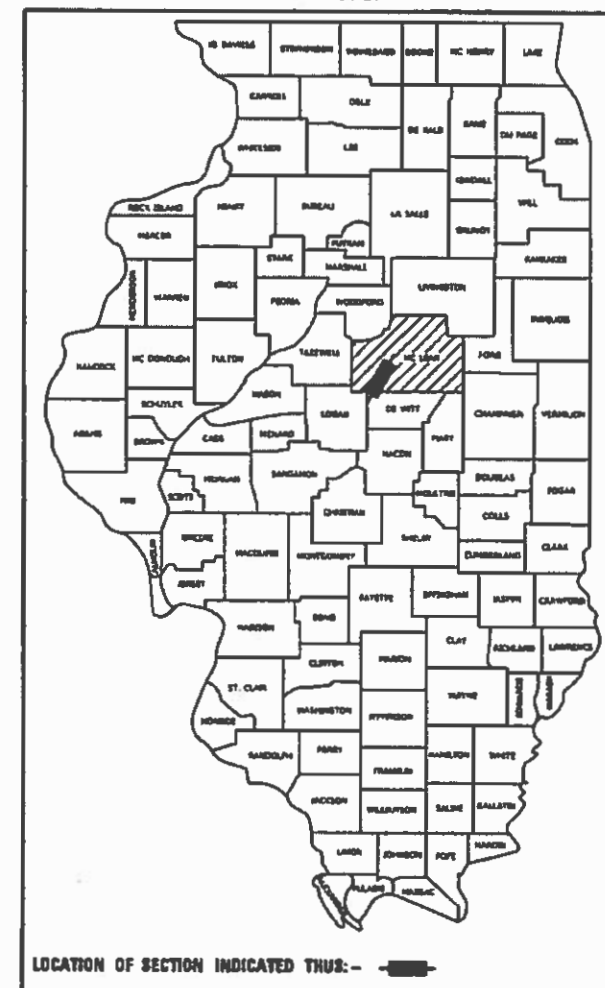
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED
 HIGHWAY PLANS

F.A.I. ROUTE 55 (I-55)
 SECTION D5 NHFP 2020-1
 PROJECT NHPP-6C4C(089)
 REST AREA IMPROVEMENTS
 MCLEAN COUNTY
 NB PARKING EXPANSION AT FUNKS GROVE REST AREA

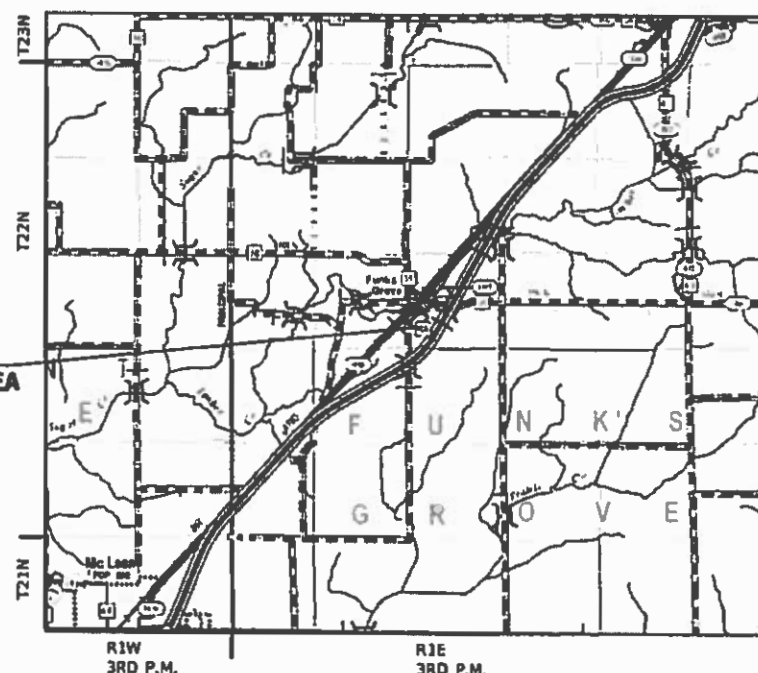
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D5 NHFP 2020-1	MCLEAN	27	1

D95-028-19



DESIGN DESIGNATION
 NA

C-95-031-19



PROJECT LOCATION
 FUNKS GROVE REST AREA

LOCATION MAP



GROSS LENGTH = 1,100 FT. = 0.21 MILE
 NET LENGTH = 1,100 FT. = 0.21 MILE

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2



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

J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
 1-800-892-0123
 OR 811
 FUNKS GROVE TOWNSHIP

PROJECT ENGINEER: JASON STULTS
 PROJECT MANAGER: RYAN CARROLL
 PHONE NUMBER: (217) 465-4181
 CONTRACT NO. 70D73



Nathen E. Leach Date 1/24/20

NATHEN E. LEACH
 Illinois Professional Engineer
 No. 062-068541
 Exp. Date 11/30/2021



FUNCTIONAL CLASSIFICATION
 INTERSTATE
 I-55 NB RAMP, FUNKS GROVE REST AREA
 2018 ADT = 550
 2038 ADT = 600
 P.U.% = 71.8
 S.U.% = 5.5
 M.U.% = 22.7

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 SUBMITTED *January 20, 2020*
[Signature] REGIONAL ENGINEER
March 20, 2020
[Signature] ENGINEER OF DESIGN AND ENVIRONMENT
March 20, 2020
[Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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HIGHWAY STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS & 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
420101-06	24' JOINTED PCC PAVEMENT
420111-04	PCC PAVEMENT ROUNDOUTS
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
424001-11	PERPENDICULAR CURB RAMPS
442101-09	CLASS B PATCHES
483001-05	PCC SHOULDER
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602306-03	INLET-TYPE B
602401-06	MANHOLE TYPE A
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS TYPE I
604106-01	MEDIAN INLET FOR 36" REINFORCED CONCRETE PIPE
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701456-05	PARTIAL EXIT RAMP CLOSURE FREEWAY/EXPRESSWAY
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
780001-05	TYPICAL PAVEMENT MARKINGS
821101-02	LUMINAIRE WIRING IN POLE
830021-03	LIGHT POLE STEEL TENON TOP
836001-04	LIGHT POLE FOUNDATION

GENERAL NOTES

G.N. --100B
 MICROSTATION AND GEOPAK FILES OF THIS PROJECT WILL BE MADE AVAILABLE TO THE CONTRACTOR AFTER CONTRACT AWARD. IF THERE IS A CONFLICT BETWEEN THE ELECTRONIC FILES AND THE PRINTED CONTRACT PLANS AND DOCUMENTS, THE PRINTED CONTRACT PLANS AND DOCUMENTS SHALL TAKE PRECEDENCE OVER THE ELECTRONIC FILES. THE CONTRACTOR SHALL ACCEPT ALL RISK ASSOCIATED WITH USING THE ELECTRONIC FILES AND SHALL HOLD THE DEPARTMENT HARMLESS FOR ANY ERRORS OR OMISSIONS IN THE ELECTRONIC FILES AND THE DATA CONTAINED THEREIN. ERRORS OR DELAYS RESULTING FROM THE USE OF THE ELECTRONIC FILES BY THE CONTRACTOR SHALL NOT RESULT IN AN EXTENSION OF TIME FOR ANY INTERIM OR FINAL COMPLETION DATE OR SHALL NOT BE CONSIDERED CAUSE FOR ADDITIONAL COMPENSATION. THE CONTRACTOR SHALL NOT USE, SHARE, OR DISTRIBUTE THESE ELECTRONIC FILES EXCEPT FOR THE PURPOSE OF CONSTRUCTING THIS CONTRACT. ANY CLAIMS BY THIRD PARTIES DUE TO USE OR ERRORS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE THIS DISCLAIMER WITH THE TRANSFER OF THESE ELECTRONIC FILES TO ANY OTHER PARTIES AND SHALL INCLUDE APPROPRIATE LANGUAGE BINDING THEM TO SIMILAR RESPONSIBILITIES.

GN 105.07C
 EXISTING STATE-OWNED AND MAINTAINED UNDERGROUND UTILITY FACILITIES EXIST WITHIN THE ROW. THE DEPARTMENT IS NOT A MEMBER OF JULIE AND DOES NOT LOCATE IT'S OWN FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE AT THEIR OWN EXPENSE FOR SECURING AN APPROVED LOCATING FIRM TO LOCATE ALL EXISTING IDOT UNDERGROUND FACILITIES PRIOR TO COMMENCING ANY EXCAVATION, PER THE REQUIREMENTS OF ARTICLE 803 OF THE STANDARD SPECIFICATIONS. UTILITY LOCATES MAY ALSO BE REQUIRED OUTSIDE THE PROJECT LIMITS, SUCH AS FOR TRAFFIC CONTROL SIGNING AND OTHER ITEMS. THE CONTRACTOR MAY OBTAIN, ON REQUEST, PLANS OF EXISTING ELECTRICAL FACILITIES FROM THE DEPARTMENT. FOR FURTHER INFORMATION, THE CONTRACTOR MAY CONTACT THE DISTRICT TRAFFIC OPERATIONS ENGINEER, GARY SIMS, AT 217-251-4859.

G.N.-105.09A
 ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

G.N.-250C
 SEEDING, CLASS 7 AND MULCH, METHOD 2 IS INCLUDED IN THIS CONTRACT TO SEED NEW EARTH SHOULDERS DURING TIME PERIODS WHEN PERMANENT SEEDING IS NOT ALLOWED. SOME OR ALL OF THE CLASS 7 SEEDING AND MULCH WILL BE DELETED IF IT IS POSSIBLE TO PLACE PERMANENT SEEDING ON EARTH SHOULDERS AT THE TIME OF THEIR COMPLETION.

G.N.-440B
 THE EXISTING TIE BARS BETWEEN THE EXISTING PAVEMENT AND EXISTING MEDIANS, GUTTERS AND/OR COMBINATION CURB AND GUTTERS THAT ARE FOUND SUITABLE FOR REUSE SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY EXISTING TIE BARS THAT ARE FOUND UNSUITABLE TO BE INCORPORATED INTO THE PROPOSED CONSTRUCTION DUE TO EXCESSIVE RUSTING OR DISTRESS SHALL BE REMOVED FLUSH WITH THE FACE OF THE EXISTING CONCRETE AND DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.

THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE VARIOUS REMOVAL PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N.- 442B - PATCHING SCHEDULES
 THE PATCHING SCHEDULES INCLUDED IN THE PLANS REPRESENT THE BEST INFORMATION AVAILABLE AT THE TIME OF COMPLETION OF THE PLANS FOR LETTING. VARIATIONS IN LOCATION AND SIZES OF THE FULL-DEPTH AND PARTIAL-DEPTH PATCHES MAY OCCUR.

COMMITMENTS

COMMITMENTS: (NONE)

JOB SPECIFIC NOTES:

1. TREE REMOVAL WAS COMPLETED UNDER A SEPERATE CONTRACT PRIOR TO THE AWARD OF THIS PROJECT.
2. PAY ITEM A2001716 - TREE, ACER SACCHARUM (SUGAR MAPLE) 2" CALIPER, BALLED AND BURLAPPED SHALL BE FIELD LOCATED. COORDINATE TREE PLANTING LOCATIONS WITH RESIDENT ENGINEER AND/OR SCOTT HALL, D5 ROADSIDE MANAGER, (217)-251-4859 PRIOR TO INSTALLATION.

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	DRAWN - RNH	CHECKED -	REVISED -			55	D5 NHFP 2020-1	MCLEAN	27	2
	PLOT SCALE = 2.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 70D73				
PLOT DATE = 1/27/2020	DATE -	REVISED -	SHEET 1 OF 1 SHEETS			ILLINOIS FED. AID PROJECT				

90% FED 10% STATE	FAI 55
	FUNK'S GROVE R.A.
	RURAL
	MCLEAN COUNTY
CONSTR. CODE	0001

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	1620
20400800	FURNISHED EXCAVATION	CU YD	6355
20800150	TRENCH BACKFILL	CU YD	48
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	320
* 25000320	SEEDING, CLASS 5	ACRE	0.75
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	68
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	68
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	68
25000700	AGRICULTURAL GROUND LIMESTONE	TON	1.5
* 25100115	MULCH, METHOD 2	ACRE	0.75
* 25100630	EROSION CONTROL BLANKET	SQ YD	3068
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	225
28000305	TEMPORARY DITCH CHECKS	FOOT	60
28000400	PERIMETER EROSION BARRIER	FOOT	1044

* DENOTES SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
NB FUNKS GROVE REST AREA**

SHEET 1 OF 5 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D5 NHFP 2020-1	MCLEAN	27	3
			CONTRACT NO. 70D73	
ILLINOIS FED. AID PROJECT				

90% FED 10% STATE	FAI 55
	FUNK'S GROVE R.A.
	RURAL
	MCLEAN COUNTY
CONSTR. CODE	0001

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
28000500	INLET AND PIPE PROTECTION	EACH	2
28100107	STONE RIPRAP, CLASS A4	SQ YD	232
28200200	FILTER FABRIC	SQ YD	232
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	7572
31200100	STABILIZED SUBBASE 4"	SQ YD	7572
42000511	PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2" (JOINTED)	SQ YD	7805
42101300	PROTECTIVE COAT	SQ YD	7974
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	985
* 42400800	DETECTABLE WARNINGS	SQ FT	65
44000100	PAVEMENT REMOVAL	SQ YD	19
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	66
44000600	SIDEWALK REMOVAL	SQ FT	954
44004250	PAVED SHOULDER REMOVAL	SQ YD	240
44200050	WELDED WIRE REINFORCEMENT	SQ YD	169

* DENOTES SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES	
NB FUNKS GROVE REST AREA	
SHEET 2	OF 5 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D5 NHFP 2020-1	MCLEAN	27	4
CONTRACT NO. 70D73				
ILLINOIS FED. AID PROJECT				

90% FED 10% STATE	FAI 55
	FUNK'S GROVE R.A.
	RURAL
	MCLEAN COUNTY
CONSTR. CODE	0001

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
44200934	CLASS B PATCHES, TYPE II, 8 INCH	SQ YD	11
44200944	CLASS B PATCHES, TYPE IV, 8 INCH	SQ YD	158
44201299	DOWEL BARS 1 1/2"	EACH	168
44213200	SAW CUTS	FOOT	1155
44213204	TIE BARS 3/4"	EACH	1388
48300510	PORTLAND CEMENT CONCRETE SHOULDERS 10 1/2"	SQ YD	187
50300225	CONCRETE STRUCTURES	CU YD	0.6
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	100
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
60240366	INLETS, TYPE B, WITH MEDIAN INLET (604106)	EACH	1
60500060	REMOVING INLETS	EACH	1
60600095	CLASS S1 CONCRETE (OUTLET)	CU YD	0.9
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	61

* DENOTES SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
NB FUNKS GROVE REST AREA**

SHEET 3 OF 5 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D5 NHFP 2020-1	MCLEAN	27	5
			CONTRACT NO. 70D73	
		ILLINOIS	FED. AID PROJECT	

90% FED 10% STATE	FAI 55
	FUNK'S GROVE R.A.
	RURAL
	MCLEAN COUNTY
CONSTR. CODE	0001

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
60606800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.18	FOOT	784
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	4
* 67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	6
67100100	MOBILIZATION	L SUM	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	55
* 72000100	SIGN PANEL - TYPE 1	SQ FT	4
72900100	METAL POST - TYPE A	FOOT	20
* 78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	64
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	3925
* 81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	35
* 81603010	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	915
* 82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	5

* DENOTES SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
NB FUNKS GROVE REST AREA**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D5 NHFP 2020-1	MCLEAN	27	6
			CONTRACT NO. 70D73	
		ILLINOIS	FED. AID PROJECT	

SHEET 4 OF 5 SHEETS

90% FED 10% STATE	FAI 55 FUNK'S GROVE R.A. RURAL MCLEAN COUNTY
CONSTR. CODE	0001

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
* 83062730	LIGHT POLE, WEATHERING STEEL, 45 FT. M.H., TENON MOUNT	EACH	5
* 83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 6'	EACH	5
* A2001716	TREE, ACER SACCHARUM (SUGAR MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	20
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	263
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
* X8950130	MODIFY EXISTING LIGHTING CONTROLLER	EACH	1
Z0013798	CONSTRUCTION LAYOUT	L SUM	1

* DENOTES SPECIALTY ITEM

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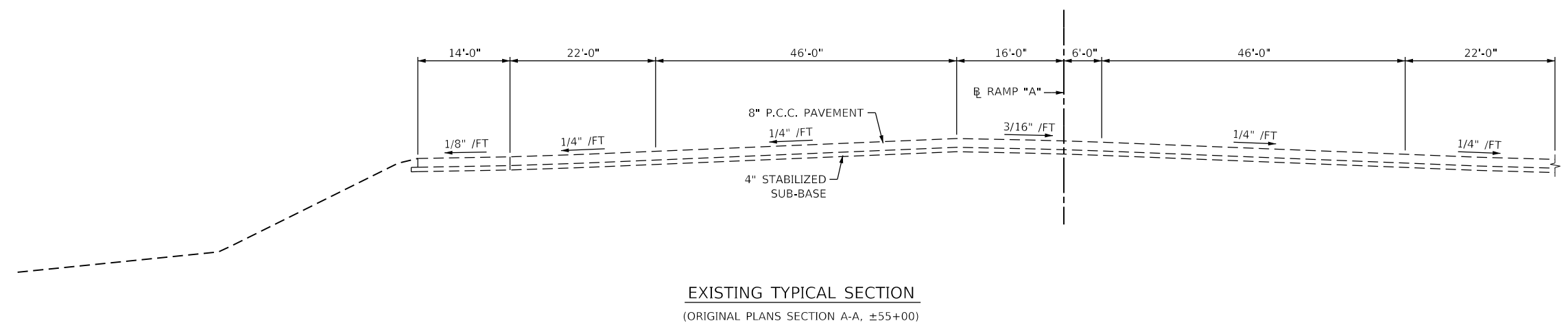
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES	
NB FUNKS GROVE REST AREA	
SHEET 5	OF 5 SHEETS

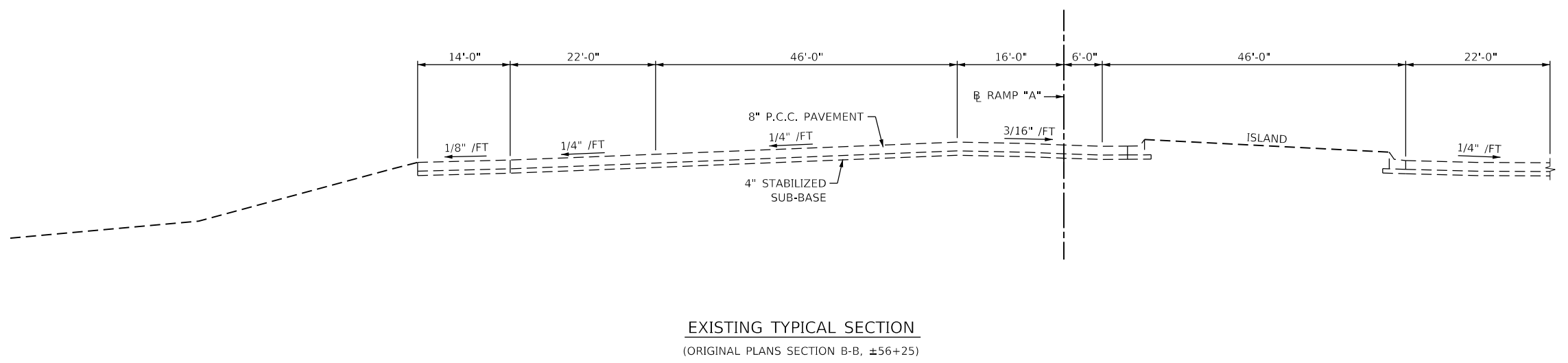
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55	D5 NHFP 2020-1	MCLEAN	27	7
CONTRACT NO. 70D73				
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EXISTING TYPICAL SECTION
 (ORIGINAL PLANS SECTION A-A, ±55+00)



EXISTING TYPICAL SECTION
 (ORIGINAL PLANS SECTION B-B, ±56+25)

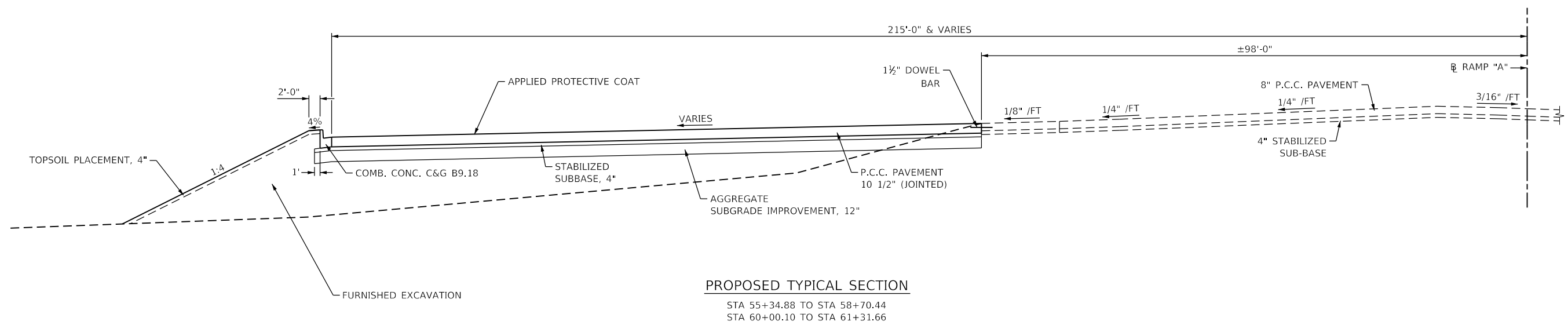
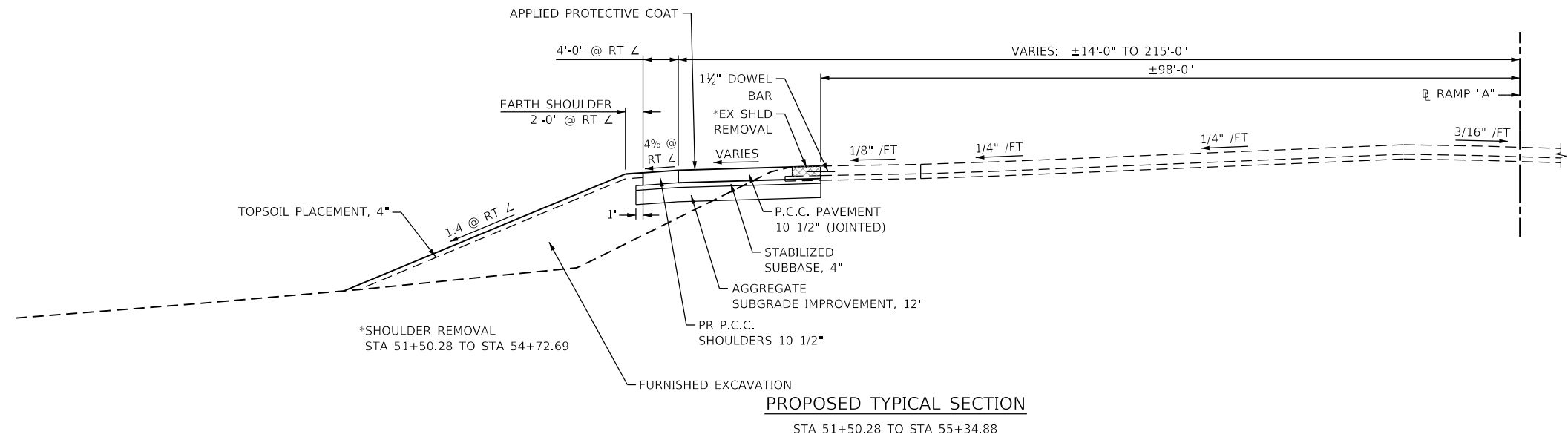
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TYPICAL CROSS SECTIONS NB FUNKS GROVE REST AREA			
SCALE:	SHEET 1 OF 3 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D5 NHFP 2020-1	MCLEAN	27	8
CONTRACT NO. 70D73				
		ILLINOIS	FED. AID PROJECT	



STATE OF ILLINOIS
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TYPICAL CROSS SECTIONS
NB FUNKS GROVE REST AREA

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D5 NHFP 2020-1	MCLEAN	27	9
CONTRACT NO. 70D73				

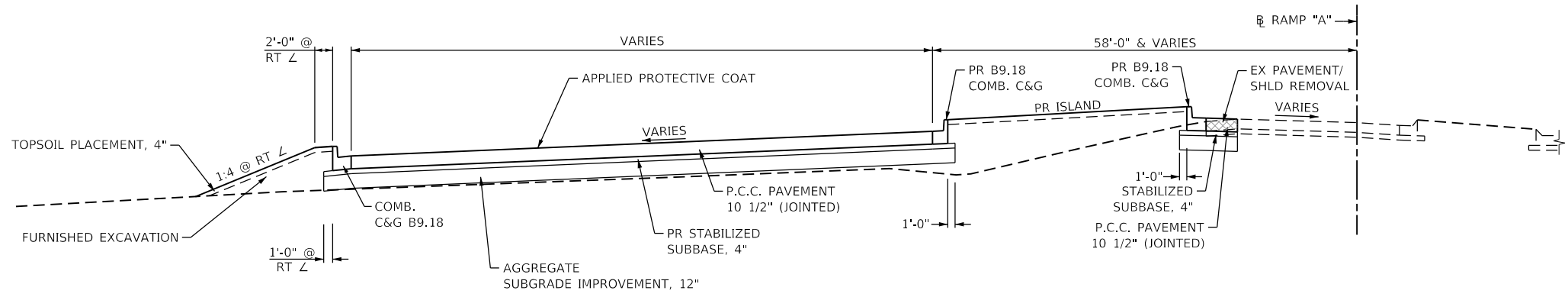
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ILLINOIS FED. AID PROJECT

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PROPOSED TYPICAL SECTION
STA 58+70.44 TO STA 60+00.10 (AH)

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PLOT DATE = 1/30/2020	DATE -	REVISED -

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DEPARTMENT OF TRANSPORTATION**

**TYPICAL CROSS SECTIONS
NB FUNKS GROVE REST AREA**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D5 NHFP 2020-1	MCLEAN	27	10
CONTRACT NO. 70D73				
		ILLINOIS	FED. AID PROJECT	

SIDEWALK AND CURB AND GUTTER						
LOCATION	PCC SIDEWALK 4"	DETECTABLE WARNINGS	COMBINATION CURB AND GUTTER REMOVAL	SIDEWALK REMOVAL	COMBINATION CONCRETE C & G TYPE B-6.12	COMBINATION CONCRETE C & G TYPE B-9.18
	SQ. FT	SQ. FT	FOOT	SQ. FT	FOOT	FOOT
STA 54+19.26 TO STA 54+58.09 72 FT RT	366	-	-	379	-	-
STA 54+20.28 TO STA 54+42.63 155 FT RT	271	-	-	279	-	-
STA 54+56.57 TO STA 54+63.30 126 FT RT	24	-	-	25	-	-
STA 55+20.37 TO STA 55+54.89 88 FT RT	324	-	-	271	-	-
STA 54+24.00 155 FT RT	-	10	-	-	-	-
STA 54+29.50 57 FT RT	-	16	-	-	-	-
STA 54+37.70 153 FT RT	-	10	-	-	-	-
STA 54+60.20 126 FT RT	-	13	-	-	-	-
STA 55+50.15 84 FT RT	-	16	-	-	-	-
STA 54+24.06 TO STA 54+45.90 145 FT RT	-	-	61	-	61	-
STA 55+52.39 TO STA 55+56.37 83 FT RT	-	-	5	-	-	-
STA 55+34.88 216.5 FT LT TO STA 61+26.73 17.8 FT LT	-	-	-	-	-	516
ISLAND - STA 58+71.94 TO STA 59+98.60 LT	-	-	-	-	-	268
TOTAL	985	65	66	954	61	784

INLETS AND CONCRETE						
LOCATION	CONCRETE STRUCTURES	REMOVING INLETS	MANHOLES, TYPE A 4' DIAMETER TYPE 1 FRAME CLOSED LID	INLETS, TYPE B WITH MEDIAN INLET (604106)	CLASS S1 CONCRETE (OUTLET)	INLET AND PIPE PROTECTION
	CY YD	EACH	EACH	EACH	CU YD	EACH
STA 60+03.26 49.6 FT LT	-	-	1	-	-	-
STA 45+35.01 52.9 FT LT	-	1	-	1	-	1
STA 55+52.90 94.2 FT RT	0.15	-	-	-	-	-
STA 55+94.80 218.3 FT LT	0.15	-	-	-	-	-
STA 57+09.80 218.3 FT LT	0.15	-	-	-	-	-
STA 59+40.10 134.4 FT LT	0.15	-	-	-	-	-
STA 55+29.87 TO STA 55+34.88 215.0 FT LT	-	-	-	-	0.45	-
STA 61+26.73 TO STA 61+31.66 16.3 FT LT	-	-	-	-	0.45	-
STA 38+32.22 38.0 FT LT	-	-	-	-	-	1
TOTAL	0.60	1	1	1	0.90	2

MISC.			
LOCATION	SIGN PANEL TYPE 1	METAL POST TYPE A	TREE, ACER SACCHARUM (SUGAR MAPLE) 2" CALIPER BALLED AND BURLAPPED
	SQ. FT	FOOT	EACH
STA. 55+24.45 82.3 FT RT	2	10	-
STA. 55+66.15 82.3 FT RT	2	10	-
STA. 59+11.00 37.4 FT LT	-	-	-
TO BE DETERMINED BY ENGINEER	-	-	20
TOTAL	4	20	20

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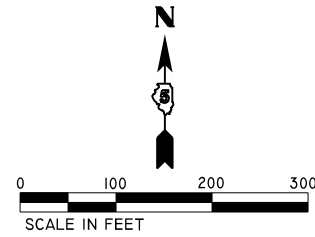
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PLOT SCALE = 2.0000" / IN.	CHECKED -	REVISED -
PLOT DATE = 1/23/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
NB FUNKS GROVE REST AREA**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D5 NHFP 2020-1	MCLEAN	27	12
CONTRACT NO. 70D73				
SHEET 2 OF 2 SHEETS		ILLINOIS FED. AID PROJECT		



EXIST. CURVE 5
 PI STA. = 39+13.45
 $\Delta = 21^\circ 14' 58''$ (RT)
 $D = 5^\circ 00' 00''$
 $R = 1,145.94'$
 $T = 214.97'$
 $L = 425.00'$
 $E = 19.99'$
 $e = \text{---}$
 T.R. =
 S.E. RUN =
 P.C. STA. = 36+98.48
 P.T. STA. = 41+23.48

EXIST. CURVE 4
 PI STA. = 32+16.82
 $\Delta = 64^\circ 02' 17''$ (LT)
 $D = 7^\circ 48' 00''$
 $R = 734.55'$
 $T = 459.34'$
 $L = 820.99'$
 $E = 131.80'$
 $e = \text{---}$
 T.R. =
 S.E. RUN =
 P.C. STA. = 27+57.48
 P.T. STA. = 35+78.47

POINT	NORTHING	EASTING	ELEVATION
404	1346195.488	767776.047	703.456
405	1346042.998	767667.303	704.302
406	1346794.425	768184.289	686.817
500	1346394.049	768120.544	703.727

EXIST. CURVE 6
 PI STA. = 42+96.07
 $\Delta = 28^\circ 30' 00''$ (LT)
 $D = 18^\circ 59' 56''$
 $R = 301.57'$
 $T = 76.59'$
 $L = 150.01'$
 $E = 9.57'$
 $e = \text{---}$
 T.R. =
 S.E. RUN =
 P.C. STA. = 42+19.48
 P.T. STA. = 43+69.48

EXIST. CURVE 7
 PI STA. = 45+54.34
 $\Delta = 12^\circ 41' 04''$ (RT)
 $D = 7^\circ 10' 00''$
 $R = 799.49'$
 $T = 88.86'$
 $L = 176.99'$
 $E = 4.92'$
 $e = \text{---}$
 T.R. =
 S.E. RUN =
 P.C. STA. = 44+65.48
 P.T. STA. = 46+42.48

EXIST. CURVE 9
 PI STA. = 64+47.26
 $\Delta = 46^\circ 56' 05''$ (RT)
 $D = 6^\circ 00' 00''$
 $R = 954.93'$
 $T = 414.57'$
 $L = 782.25'$
 $E = 86.11'$
 $e = \text{---}$
 T.R. =
 S.E. RUN =
 P.C. STA. = 60+32.69
 P.T. STA. = 68+14.94

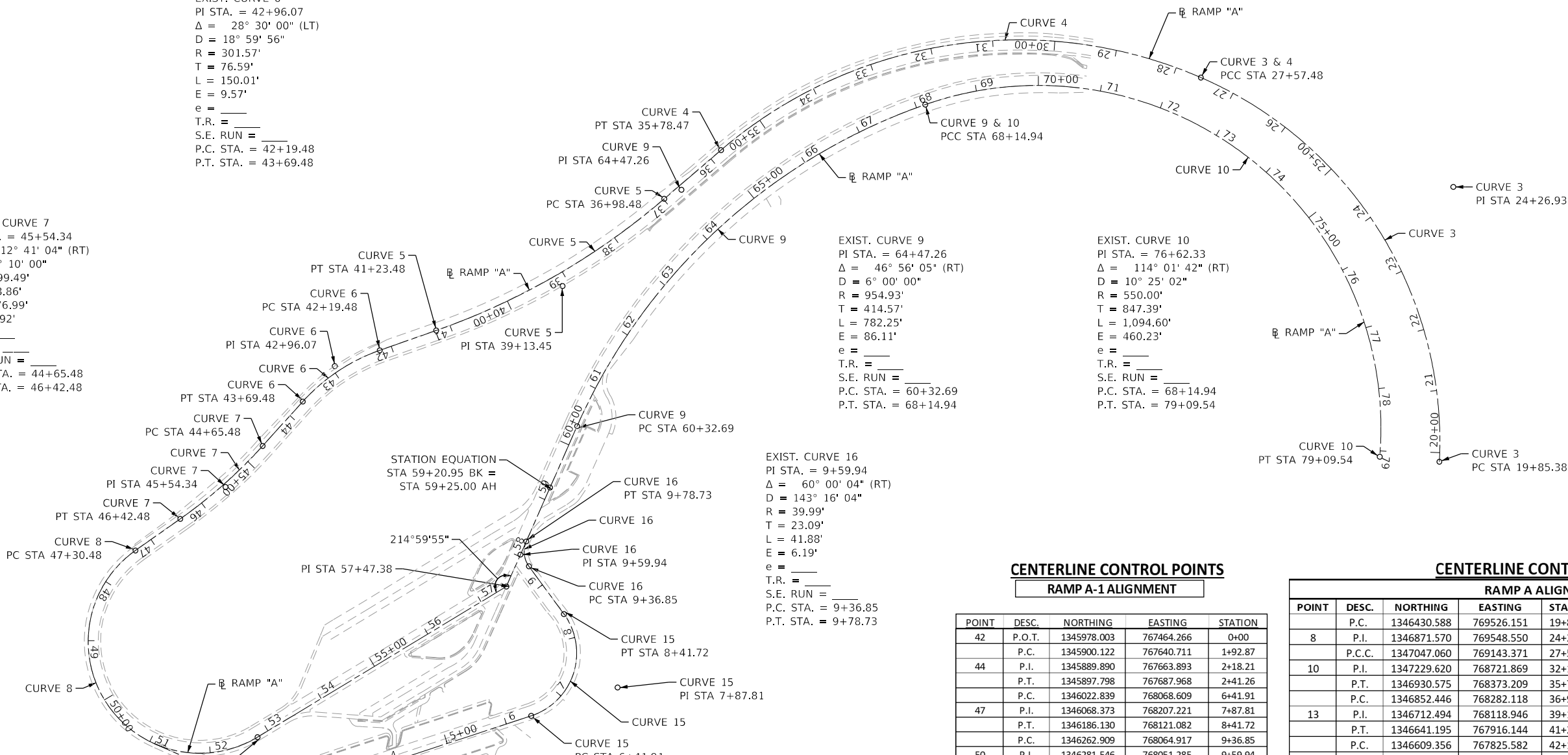
EXIST. CURVE 10
 PI STA. = 76+62.33
 $\Delta = 114^\circ 01' 42''$ (RT)
 $D = 10^\circ 25' 02''$
 $R = 550.00'$
 $T = 847.39'$
 $L = 1,094.60'$
 $E = 460.23'$
 $e = \text{---}$
 T.R. =
 S.E. RUN =
 P.C. STA. = 68+14.94
 P.T. STA. = 79+09.54

EXIST. CURVE 3
 PI STA. = 24+26.93
 $\Delta = 69^\circ 29' 22''$ (LT)
 $D = 9^\circ 00' 00''$
 $R = 636.62'$
 $T = 441.55'$
 $L = 772.10'$
 $E = 138.14'$
 $e = \text{---}$
 T.R. =
 S.E. RUN =
 P.C. STA. = 19+85.38
 P.T. STA. = 27+57.48

EXIST. CURVE 16
 PI STA. = 9+59.94
 $\Delta = 60^\circ 00' 04''$ (RT)
 $D = 143^\circ 16' 04''$
 $R = 39.99'$
 $T = 23.09'$
 $L = 41.88'$
 $E = 6.19'$
 $e = \text{---}$
 T.R. =
 S.E. RUN =
 P.C. STA. = 9+36.85
 P.T. STA. = 9+78.73

EXIST. CURVE 15
 PI STA. = 7+87.81
 $\Delta = 108^\circ 00' 01''$ (LT)
 $D = 54^\circ 03' 05''$
 $R = 106.00'$
 $T = 145.90'$
 $L = 199.81'$
 $E = 74.34'$
 $e = \text{---}$
 T.R. =
 S.E. RUN =
 P.C. STA. = 6+41.91
 P.T. STA. = 8+41.72

EXIST. CURVE 14
 PI STA. = 2+18.21
 $\Delta = 42^\circ 00' 05''$ (LT)
 $D = 86^\circ 47' 53''$
 $R = 66.01'$
 $T = 25.34'$
 $L = 48.39'$
 $E = 4.70'$
 $e = \text{---}$
 T.R. =
 S.E. RUN =
 P.C. STA. = 1+92.87
 P.T. STA. = 2+41.26



CENTERLINE CONTROL POINTS
RAMP A-1 ALIGNMENT

POINT	DESC.	NORTHING	EASTING	STATION
42	P.O.T.	1345978.003	767464.266	0+00
	P.C.	1345900.122	767640.711	1+92.87
44	P.I.	1345889.890	767663.893	2+18.21
	P.T.	1345897.798	767687.968	2+41.26
	P.C.	1346022.839	768068.609	6+41.91
47	P.I.	1346068.373	768207.221	7+87.81
	P.T.	1346186.130	768121.082	8+41.72
	P.C.	1346262.909	768064.917	9+36.85
50	P.I.	1346281.546	768051.285	9+59.94
	P.T.	1346302.669	768060.609	9+78.73

CENTERLINE CONTROL POINTS
RAMP A ALIGNMENT

POINT	DESC.	NORTHING	EASTING	STATION	COMMENT
8	P.I.	1346871.570	769548.550	24+26.93	
	P.C.C.	1347047.060	769143.371	27+57.48	
10	P.I.	1347229.620	768721.869	32+16.82	
	P.T.	1346930.575	768373.209	35+78.47	
	P.C.	1346852.446	768282.118	36+98.48	
13	P.I.	1346712.494	768118.946	39+13.45	
	P.T.	1346641.195	767916.144	41+23.48	
	P.C.	1346609.356	767825.582	42+19.48	
16	P.I.	1346583.953	767753.327	42+96.07	
	P.T.	1346527.152	767701.950	43+69.48	
	P.C.	1346455.956	767637.552	44+65.48	
19	P.I.	1346390.055	767577.943	45+54.34	
	P.T.	1346338.851	767505.319	46+42.48	
	P.C.	1346288.141	767433.396	47+30.48	
3	P.I.	1343333.635	763242.911	98+57.79	
22	C.C.	1346141.806	767536.570		
	P.T.	1345988.629	767629.285	52+80.48	DRILL HOLE W/ CHISELED "X" SET
4	P.I.	1346230.393	768028.707	57+47.38	DRILL HOLE W/ CHISELED "X" SET
5		1346389.187	768098.796	59+20.95	(BK)= STATION EQUATION
				59+25.00	(AH) DRILL HOLE W/ CHISELED "X" SET
	P.C.	1346487.708	768142.281	60+32.69	
25	P.I.	1346866.977	768309.683	64+47.26	
	P.C.C.	1347003.654	768701.075	68+14.94	
10	P.I.	1347283.023	769501.086	76+62.33	
34	P.T.	1346438.582	769430.493	79+09.54	

HORIZONTAL & VERTICAL DATUMS

HORIZONTAL: NAD 83, ILLINOIS STATE PLANE, EAST ZONE, 2011 ADJUSTMENT.
 VERTICAL: NAVD 88

STATE OF ILLINOIS
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ALIGNMENTS, TIES & BENCHMARKS
 NB FUNKS GROVE REST AREA

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D5 NHFP 2020-1	MCLEAN	27	13

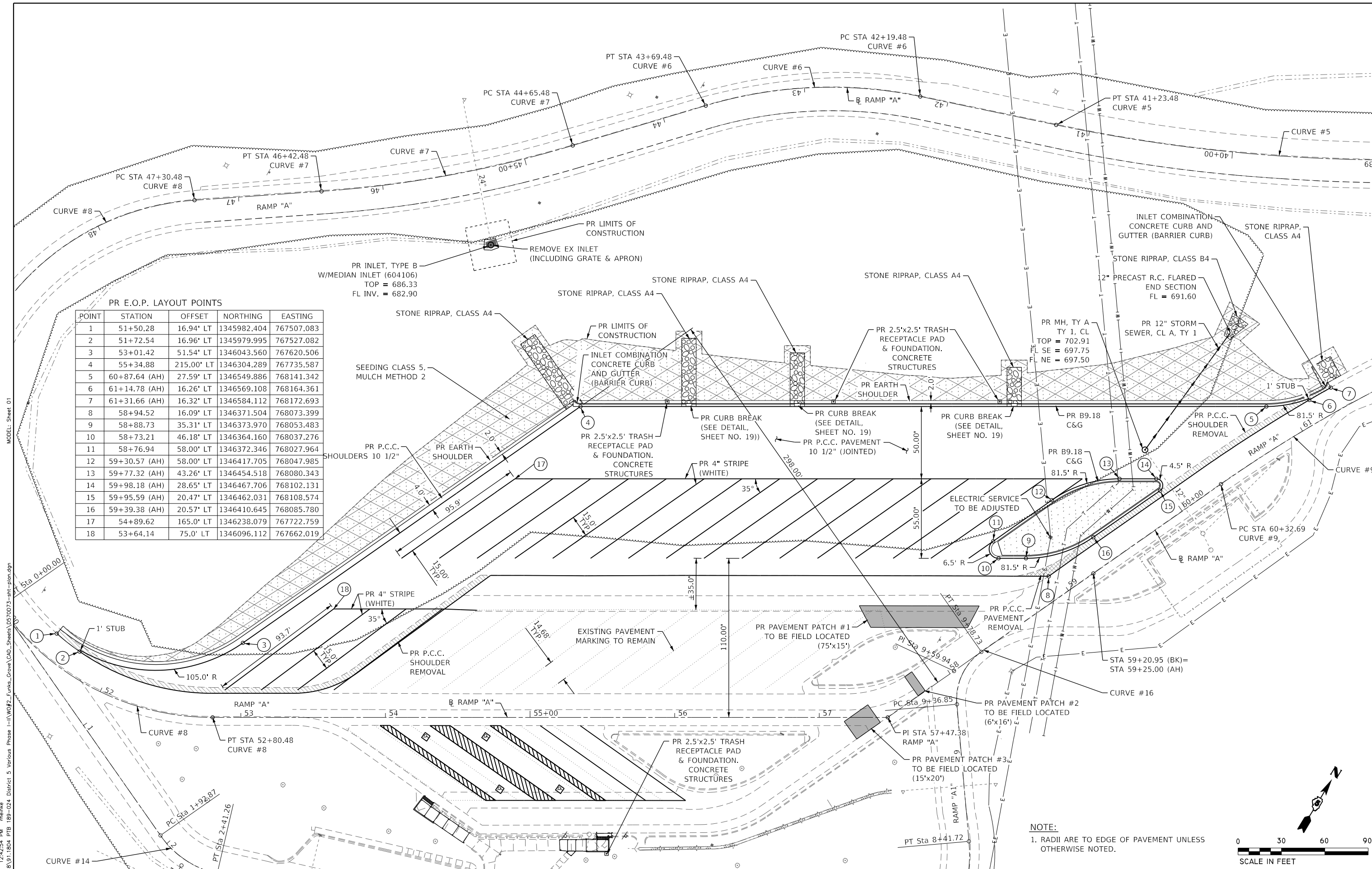
CONTRACT NO. 70D73
 ILLINOIS FED. AID PROJECT

USER NAME	DESIGNED	REVISIONS
RHEINKE	NEL	-
	RNH	-
		-
		-
		-
		-

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 DRAWN - RNH
 CHECKED -
 DATE -

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PR E.O.P. LAYOUT POINTS

POINT	STATION	OFFSET	NORTHING	EASTING
1	51+50.28	16.94' LT	1345982.404	767507.083
2	51+72.54	16.96' LT	1345979.995	767527.082
3	53+01.42	51.54' LT	1346043.560	767620.506
4	55+34.88	215.00' LT	1346304.289	767735.587
5	60+87.64 (AH)	27.59' LT	1346549.886	768141.342
6	61+14.78 (AH)	16.26' LT	1346569.108	768164.361
7	61+31.66 (AH)	16.32' LT	1346584.112	768172.693
8	58+94.52	16.09' LT	1346371.504	768073.399
9	58+88.73	35.31' LT	1346373.970	768053.483
10	58+73.21	46.18' LT	1346364.160	768037.276
11	58+76.94	58.00' LT	1346372.346	768027.964
12	59+30.57 (AH)	58.00' LT	1346417.705	768047.985
13	59+77.32 (AH)	43.26' LT	1346454.518	768080.343
14	59+98.18 (AH)	28.65' LT	1346467.706	768102.131
15	59+95.59 (AH)	20.47' LT	1346462.031	768108.574
16	59+39.38 (AH)	20.57' LT	1346410.645	768085.780
17	54+89.62	165.0' LT	1346238.079	767722.759
18	53+64.14	75.0' LT	1346096.112	767662.019

NOTE:
1. RADII ARE TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.



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 MODEL: Sheet 01

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	DATE -	REVISED -

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DEPARTMENT OF TRANSPORTATION**

**TRUCK PARKING AREA PLAN SHEET
NB FUNKS GROVE REST AREA**

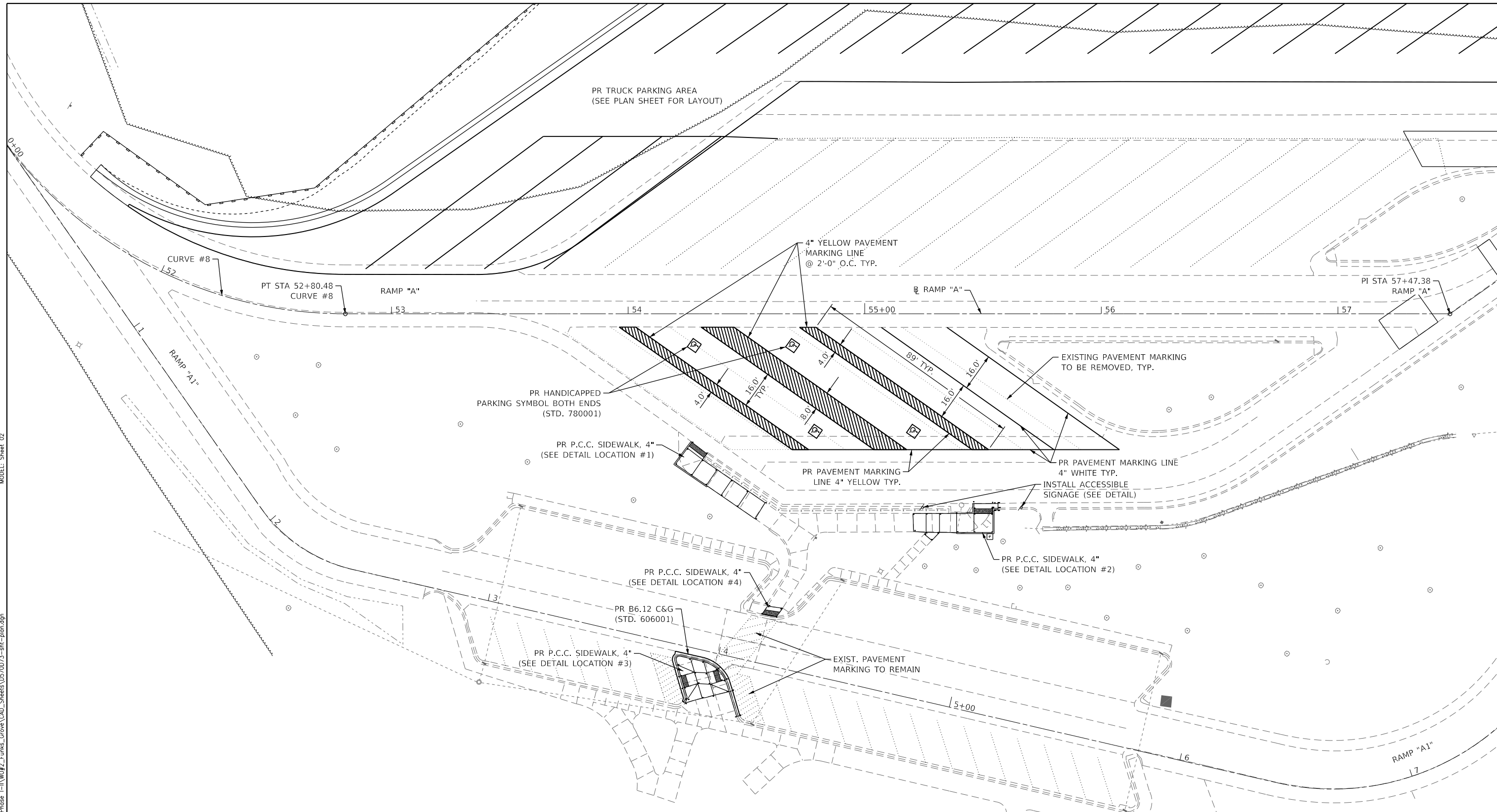
SCALE: 1" = 30'

SHEET 1 OF 2 SHEETS STA. TO STA.

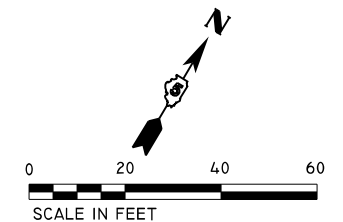
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D5 NHFP 2020-1	MCLEAN	27	14
CONTRACT NO. 70D73			ILLINOIS FED. AID PROJECT	

MODEL: Sheet_02

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NOTE:
 PAINT ACCESSIBILITY STALL AND HATCHING YELLOW.
 ALL OTHER MARKINGS SHOULD BE WHITE.



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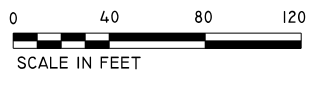
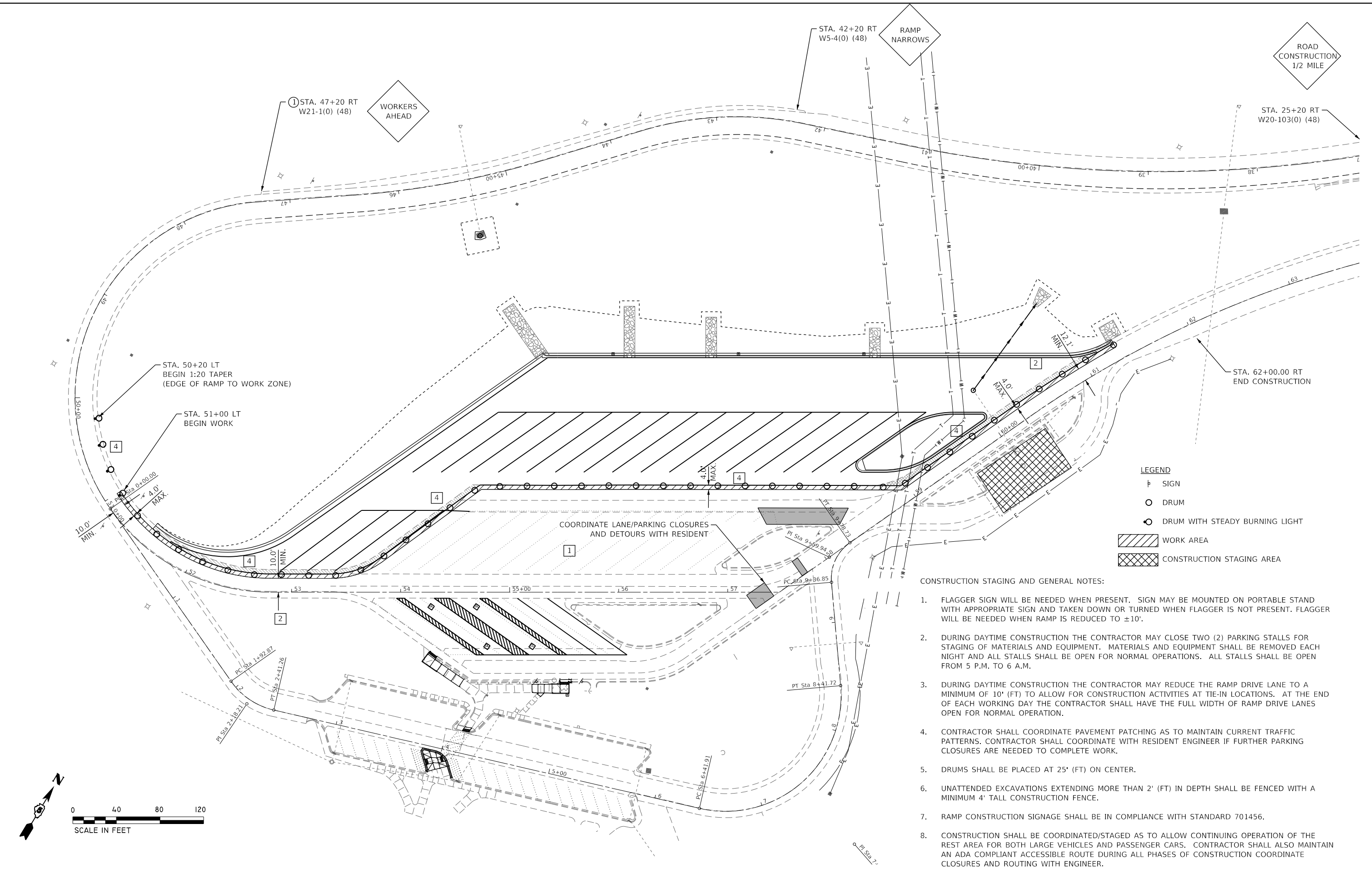
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ACCESSIBILITY IMPROVEMENT PLAN SHEET
 NB FUNKS GROVE REST AREA**
 SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D5 NHFP 2020-1	MCLEAN	27	15
CONTRACT NO. 70D73				
ILLINOIS FED. AID PROJECT				

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LEGEND

	SIGN
	DRUM
	DRUM WITH STEADY BURNING LIGHT
	WORK AREA
	CONSTRUCTION STAGING AREA

- CONSTRUCTION STAGING AND GENERAL NOTES:**
1. FLAGGER SIGN WILL BE NEEDED WHEN PRESENT. SIGN MAY BE MOUNTED ON PORTABLE STAND WITH APPROPRIATE SIGN AND TAKEN DOWN OR TURNED WHEN FLAGGER IS NOT PRESENT. FLAGGER WILL BE NEEDED WHEN RAMP IS REDUCED TO ±10'.
 2. DURING DAYTIME CONSTRUCTION THE CONTRACTOR MAY CLOSE TWO (2) PARKING STALLS FOR STAGING OF MATERIALS AND EQUIPMENT. MATERIALS AND EQUIPMENT SHALL BE REMOVED EACH NIGHT AND ALL STALLS SHALL BE OPEN FOR NORMAL OPERATIONS. ALL STALLS SHALL BE OPEN FROM 5 P.M. TO 6 A.M.
 3. DURING DAYTIME CONSTRUCTION THE CONTRACTOR MAY REDUCE THE RAMP DRIVE LANE TO A MINIMUM OF 10' (FT) TO ALLOW FOR CONSTRUCTION ACTIVITIES AT TIE-IN LOCATIONS. AT THE END OF EACH WORKING DAY THE CONTRACTOR SHALL HAVE THE FULL WIDTH OF RAMP DRIVE LANES OPEN FOR NORMAL OPERATION.
 4. CONTRACTOR SHALL COORDINATE PAVEMENT PATCHING AS TO MAINTAIN CURRENT TRAFFIC PATTERNS. CONTRACTOR SHALL COORDINATE WITH RESIDENT ENGINEER IF FURTHER PARKING CLOSURES ARE NEEDED TO COMPLETE WORK.
 5. DRUMS SHALL BE PLACED AT 25' (FT) ON CENTER.
 6. UNATTENDED EXCAVATIONS EXTENDING MORE THAN 2' (FT) IN DEPTH SHALL BE FENCED WITH A MINIMUM 4' TALL CONSTRUCTION FENCE.
 7. RAMP CONSTRUCTION SIGNAGE SHALL BE IN COMPLIANCE WITH STANDARD 701456.
 8. CONSTRUCTION SHALL BE COORDINATED/STAGED AS TO ALLOW CONTINUING OPERATION OF THE REST AREA FOR BOTH LARGE VEHICLES AND PASSENGER CARS. CONTRACTOR SHALL ALSO MAINTAIN AN ADA COMPLIANT ACCESSIBLE ROUTE DURING ALL PHASES OF CONSTRUCTION COORDINATE CLOSURES AND ROUTING WITH ENGINEER.

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PLOT DATE = 1/23/2020	CHECKED -	REVISED -
	DATE -	REVISED -

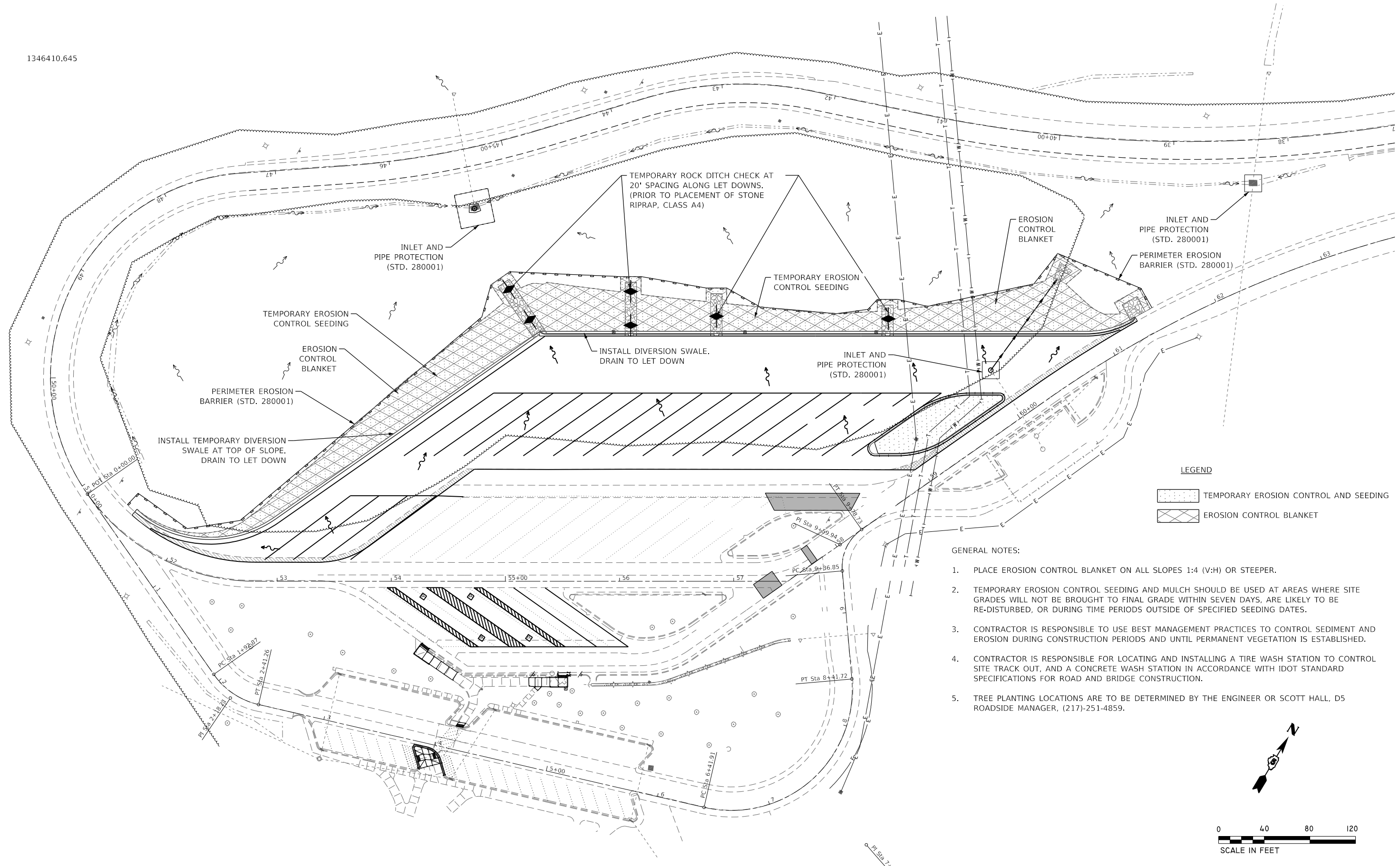
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION AND TRAFFIC CONTROL PLAN
 NB FUNKS GROVE REST AREA**



SCALE: 1" = 40' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D5 NHFP 2020-1	MCLEAN	27	16
CONTRACT NO. 70D73				
ILLINOIS FED. AID PROJECT				

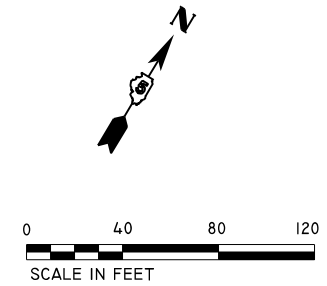
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LEGEND

 TEMPORARY EROSION CONTROL AND SEEDING
 EROSION CONTROL BLANKET

- GENERAL NOTES:**
1. PLACE EROSION CONTROL BLANKET ON ALL SLOPES 1:4 (V:H) OR STEEPER.
 2. TEMPORARY EROSION CONTROL SEEDING AND MULCH SHOULD BE USED AT AREAS WHERE SITE GRADES WILL NOT BE BROUGHT TO FINAL GRADE WITHIN SEVEN DAYS, ARE LIKELY TO BE RE-DISTURBED, OR DURING TIME PERIODS OUTSIDE OF SPECIFIED SEEDING DATES.
 3. CONTRACTOR IS RESPONSIBLE TO USE BEST MANAGEMENT PRACTICES TO CONTROL SEDIMENT AND EROSION DURING CONSTRUCTION PERIODS AND UNTIL PERMANENT VEGETATION IS ESTABLISHED.
 4. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND INSTALLING A TIRE WASH STATION TO CONTROL SITE TRACK OUT, AND A CONCRETE WASH STATION IN ACCORDANCE WITH IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
 5. TREE PLANTING LOCATIONS ARE TO BE DETERMINED BY THE ENGINEER OR SCOTT HALL, D5 ROADSIDE MANAGER, (217)-251-4859.



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	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

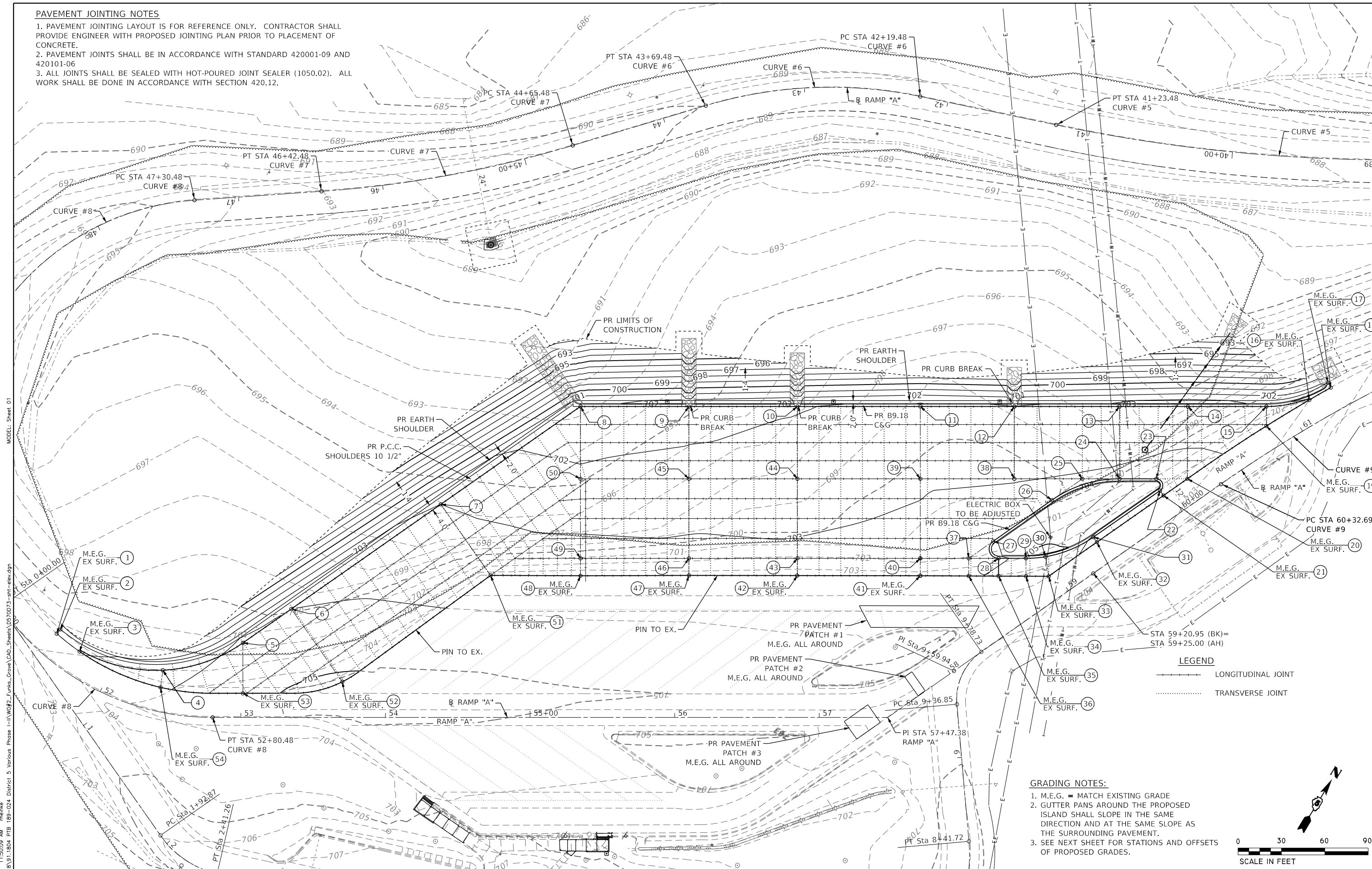
**EROSION CONTROL PLAN
 NB FUNKS GROVE REST AREA**

SCALE: 1" = 40' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D5 NHFP 2020-1	MCLEAN	27	17
CONTRACT NO. 70D73				
ILLINOIS FED. AID PROJECT				

PAVEMENT JOINTING NOTES

1. PAVEMENT JOINTING LAYOUT IS FOR REFERENCE ONLY. CONTRACTOR SHALL PROVIDE ENGINEER WITH PROPOSED JOINTING PLAN PRIOR TO PLACEMENT OF CONCRETE.
2. PAVEMENT JOINTS SHALL BE IN ACCORDANCE WITH STANDARD 420001-09 AND 420101-06
3. ALL JOINTS SHALL BE SEALED WITH HOT-POURED JOINT SEALER (1050.02). ALL WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 420.12.

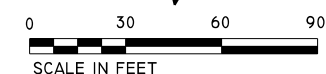


GRADING NOTES:

1. M.E.G. = MATCH EXISTING GRADE
2. GUTTER PANS AROUND THE PROPOSED ISLAND SHALL SLOPE IN THE SAME DIRECTION AND AT THE SAME SLOPE AS THE SURROUNDING PAVEMENT.
3. SEE NEXT SHEET FOR STATIONS AND OFFSETS OF PROPOSED GRADES.

LEGEND

	LONGITUDINAL JOINT
	TRANSVERSE JOINT



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 MODEL: Sheet_01

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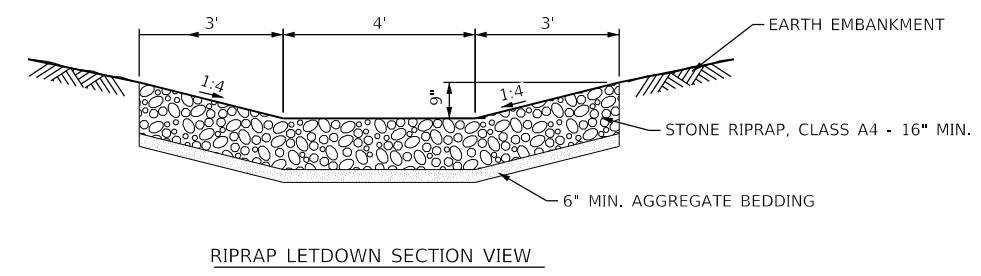
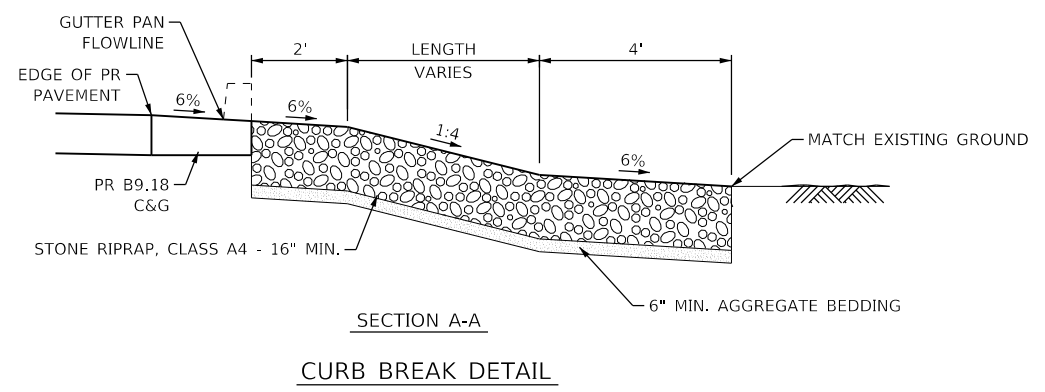
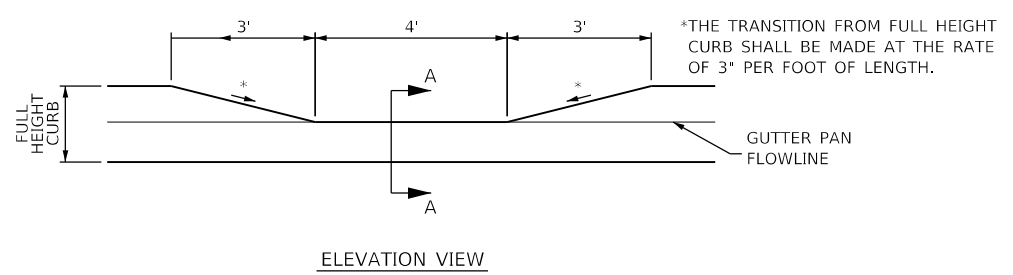
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DRAWN - RNH	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GRADING/Jointing DETAIL SHEET
NB FUNKS GROVE REST AREA
 SCALE: 1" = 30'
 SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D5 NHFP 2020-1	MCLLEAN	27	18
CONTRACT NO. 70D73			ILLINOIS FED. AID PROJECT	

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PR E.O.P. GRADE POINTS

POINT	STATION	OFFSET	ELEVATION
1	51+50.28	16.94' LT	±702.58
2	51+50.20	20.74' LT	±703.48
3	51+72.54	16.96' LT	±702.92
4	52+39.10	28.66' LT	703.65
5	53+01.42	51.54' LT	704.15
6	53+34.93	75.00' LT	704.00
7	54+38.28	147.36' LT	703.00
8	55+34.88	215.00' LT	701.20
9	56+09.88	215.00' LT	701.57
10	56+84.88	215.00' LT	701.93
11	58+89.12	163.21' LT	702.35
12	59+46.42 (AH)	125.93' LT	702.00
13	60+05.99 (AH)	84.22' LT	702.35
14	60+44.04 (AH)	57.18' LT	702.60
15	60+87.64 (AH)	27.59' LT	702.25
16	61+14.78 (AH)	16.26' LT	±702.00
17	61+31.62 (AH)	20.32' LT	±701.44
18	61+31.66 (AH)	16.32' LT	±701.71
19	60+80.68 (AH)	16.15' LT	±702.53
20	60+15.75 (AH)	16.35' LT	±703.29
21	59+95.59 (AH)	16.35' LT	±703.45
22	59+95.59 (AH)	20.47' LT	703.50
23	59+98.18 (AH)	28.65' LT	703.25
24	59+77.32 (AH)	43.26' LT	703.15
25	59+56.27 (AH)	58.00' LT	703.10
26	59+30.57 (AH)	58.00' LT	703.30
27	58+76.94	58.00' LT	703.65
28	58+73.21	46.18' LT	703.90
29	58+88.73	35.31' LT	704.15
30	59+00.42	28.49' LT	704.35
31	59+39.38 (AH)	20.57' LT	703.95
32	59+39.38 (AH)	16.32' LT	±703.89
33	58+94.52	16.09' LT	±704.21
34	58+81.64	25.19' LT	±704.28
35	58+66.17	36.12' LT	±704.13
36	58+49.34	48.02' LT	±703.88
37	58+56.32	58.00' LT	703.70
38	59+13.69	84.98' LT	702.95
39	58+60.45	122.26' LT	702.85
40	58+28.90	77.20' LT	703.40
41	58+21.99	67.34' LT	±703.50
42	56+84.88	98.05' LT	±703.31
43	56+84.88	110.00' LT	703.17
44	56+84.88	165.00' LT	702.52
45	56+09.88	165.00' LT	702.37
46	56+09.88	110.00' LT	703.26
47	56+09.88	98.16' LT	±703.44
48	55+34.88	97.90' LT	±703.58
49	55+34.88	110.00' LT	703.35
50	55+34.88	165.00' LT	702.20
51	54+72.69	98.21' LT	±703.61
52	53+70.19	24.63' LT	±705.14
53	53+01.42	16.66' LT	±704.71
54	52+40.47	16.69' LT	±703.87

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PLOT DATE = 1/23/2020	DATE -	REVISED -







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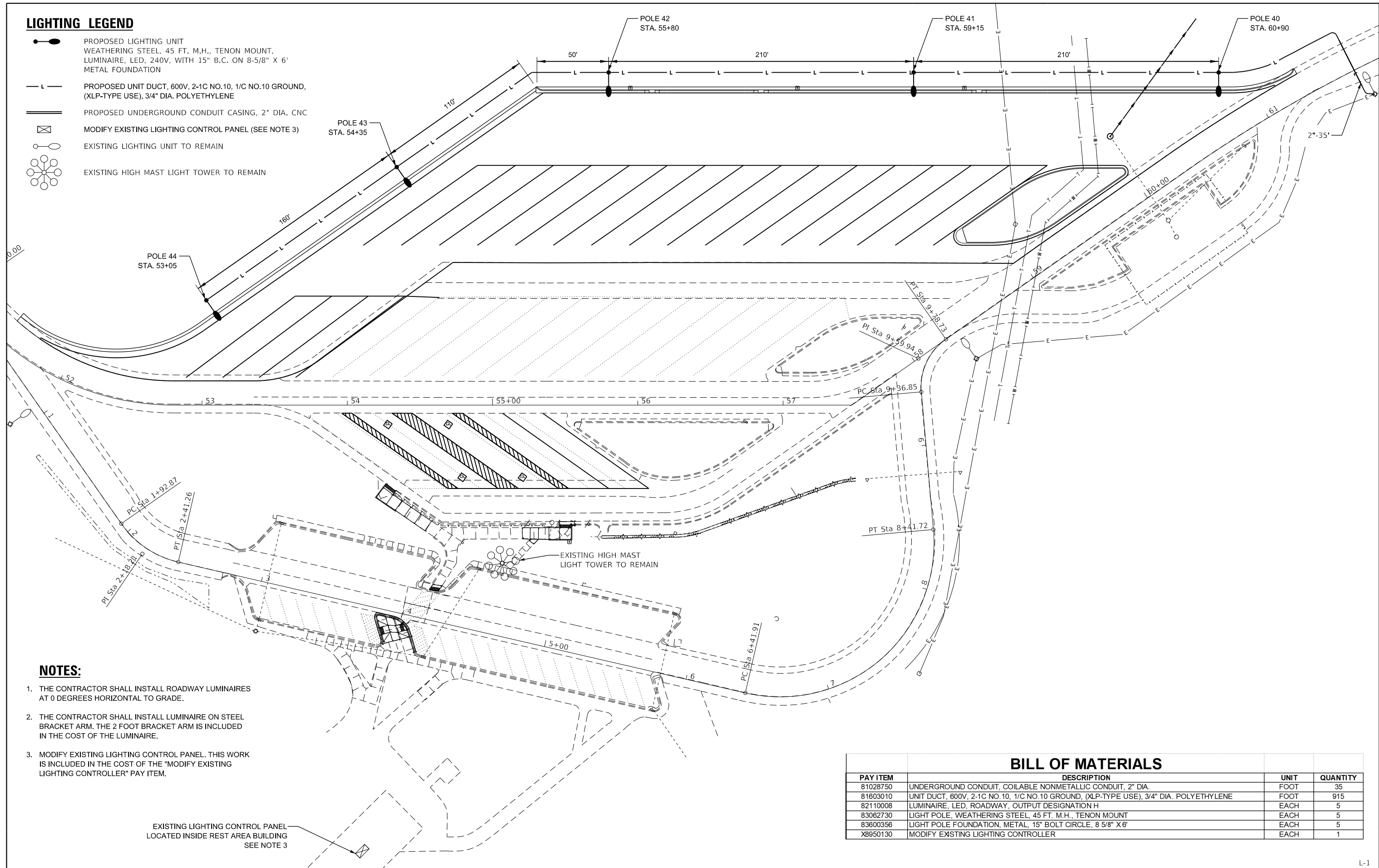
GRADING DETAIL SHEET
NB FUNKS GROVE REST AREA

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D5 NHFP 2020-1	MCLEAN	27	19
CONTRACT NO. 70D73				
ILLINOIS		FED. AID PROJECT		

LIGHTING LEGEND

-  PROPOSED LIGHTING UNIT
WEATHERING STEEL, 45 FT. M.H., TENON MOUNT,
LUMINAIRE, LED, 240V, WITH 15" B.C. ON 8-5/8" X 6"
METAL FOUNDATION
-  PROPOSED UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND,
(XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
-  PROPOSED UNDERGROUND CONDUIT CASING, 2" DIA. CNC
-  MODIFY EXISTING LIGHTING CONTROL PANEL (SEE NOTE 3)
-  EXISTING LIGHTING UNIT TO REMAIN
-  EXISTING HIGH MAST LIGHT TOWER TO REMAIN



NOTES:

1. THE CONTRACTOR SHALL INSTALL ROADWAY LUMINAIRES AT 0 DEGREES HORIZONTAL TO GRADE.
2. THE CONTRACTOR SHALL INSTALL LUMINAIRE ON STEEL BRACKET ARM. THE 2 FOOT BRACKET ARM IS INCLUDED IN THE COST OF THE LUMINAIRE.
3. MODIFY EXISTING LIGHTING CONTROL PANEL. THIS WORK IS INCLUDED IN THE COST OF THE "MODIFY EXISTING LIGHTING CONTROLLER" PAY ITEM.

EXISTING LIGHTING CONTROL PANEL
LOCATED INSIDE REST AREA BUILDING
SEE NOTE 3

BILL OF MATERIALS			
PAY ITEM	DESCRIPTION	UNIT	QUANTITY
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	35
81603010	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	915
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	5
83062730	LIGHT POLE, WEATHERING STEEL, 45 FT. M.H., TENON MOUNT	EACH	5
83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 6"	EACH	5
X8950130	MODIFY EXISTING LIGHTING CONTROLLER	EACH	1

FILE NAME =
D578073-sht-light-1.dgn

USER NAME = rhesnke
PLOT SCALE = 60.0000' / in.
PLOT DATE = 1/23/2020

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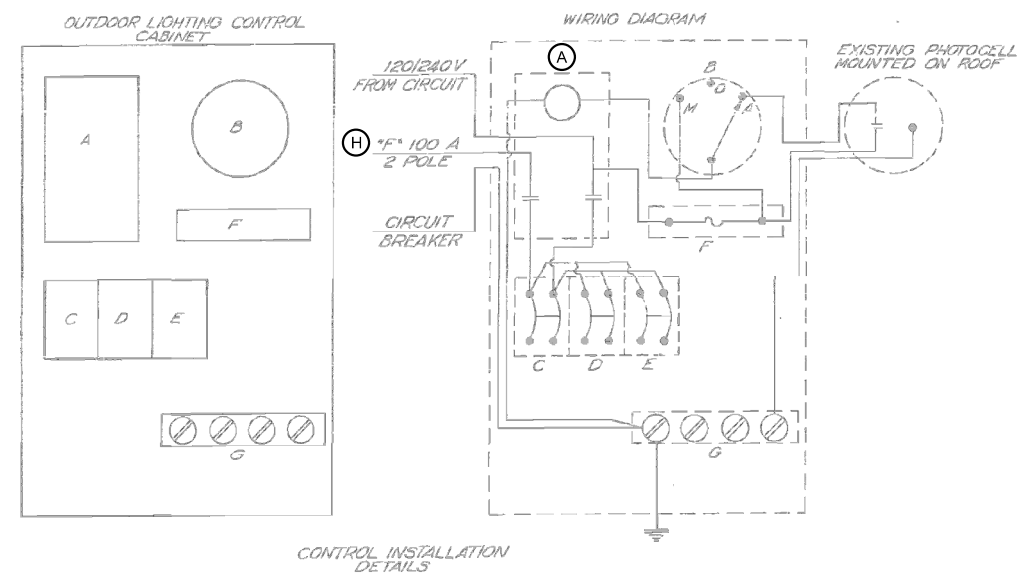
**PROPOSED LIGHTING PLAN
REST AREA IMPROVEMENT**
SCALE: 1"=30' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D5 NHFP 2020-1	MCLEAN	27	20
ILLINOIS			CONTRACT NO. 70D73	

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FDI 55	#	McLean	6	6
F.W.M.A. REG. 5 ILLINOIS PROJ. NO. # 57-9-PA-L				

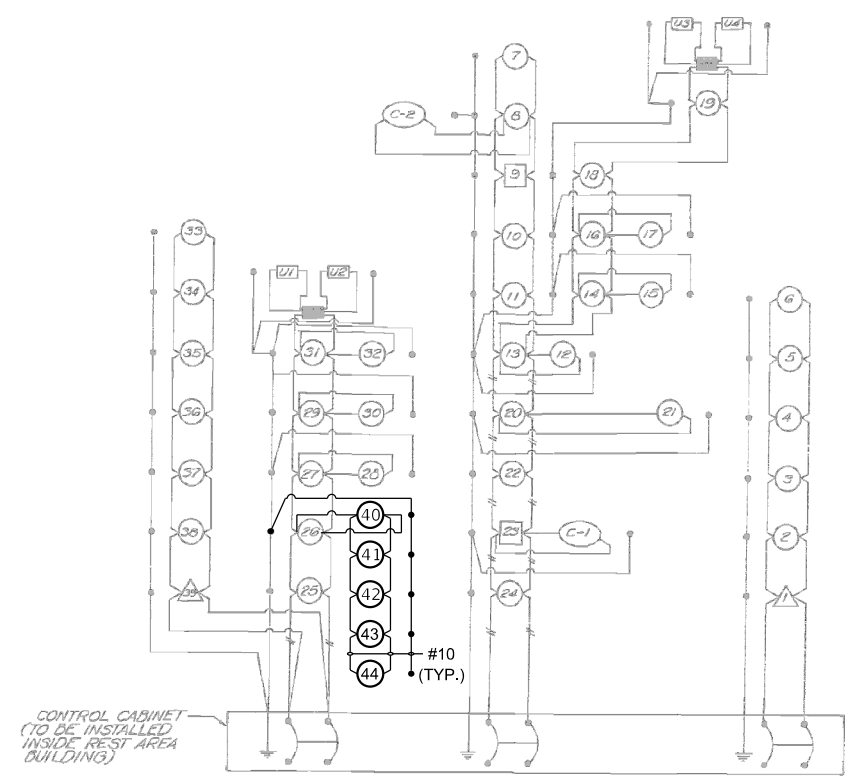
MODIFY EXISTING LIGHTING CONTROLLER

- A- 100 A 2 POLE CONTACTOR
- B- 3 POSITION SELECTOR SWITCH
- C, D- 70 A 2 POLE CIRCUIT BREAKER
- E- 50 A 2 POLE CIRCUIT BREAKER
- F- 10 A CARTRIDGE FUSE & HOLDER
- G- GROUND BUS



- NEW ITEM**
- (A) REPLACE EXISTING CONTACTOR WITH NEW 125 AMP*, ELECTRICAL HELD CONTACTOR
 - (H) REPLACE EXISTING MAIN BREAKER WITH NEW 125 AMP, 2-POLE MAIN BREAKER
- * SIZE LARGER AS NEEDED.

CIRCUIT DIAGRAM



- SYMBOLS**
- T-CONDULET (INC. TO UNIT DUCT)
 - 55 W LPS LUMINAIRE
 - 250 W HPS LUMINAIRE
 - 400 W HPS LUMINAIRE
 - △ HIGH MAST LUMINAIRE (3-400 W HPS)
 - OVERHEAD SIGN TRUSS TO BE ILLUMINATED
 - ⊕ #2 XLP-USE WIRE (ALL OTHER WIRE IS #6 XLP-USE)
 - BARE COPPER GROUND
 - LED LUMINAIRE

FILE NAME = D578073-sht-light-2.dgn	USER NAME = rhesnke	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHTING DETAILS REST AREA IMPROVEMENT			
SCALE: 1"=30'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D5 NHFP 2020-1	MCLEAN	27	21
ILLINOIS			CONTRACT NO. 70D73	



Luminaire Performance Table



Project

Date	Contract Number	Section Number	County
12/11/19	70D73	D5 NHFP 2020-1	McLean
Marked Route Number		Municipality	

Roadway

Lane Width	# of Lanes	Median Width	I.E.S. Surface Classification	Q-Zero Value
60	6	N/A	R3	0.07

Structure

Mounting Height	Arm Length	Set-Back	Number of Luminaires (Highmast & Sign Lighting Only)
45 FT	2 FT	16 FT	N/A

Luminaire

Description	I.E.S. Lateral Distribution	I.E.S. Vertical Distribution	
Luminaire, LED, Roadway, Output Desig H	Type III	Short/Medium	
Total Light Loss Factor (LLF)	B-U-G Rating	Shields	Dimming Protocol
0.684	B4-U0-G4	N/A	0-10V

Layout

Spacing (to Nearest 5 ft)	Configuration (Opposite, Staggered, 1 Sided, or Median)
210 FT	1 Sided Far Side

Performance

Average Illuminance, E_{AVE} (fc)	Uniformity Ratio, E_{AVE}/E_{MIN}		
11 Lux	4.0		
Average Luminance, L_{AVE} (cd/m ²)	Uniformity Ratio, L_{AVE}/L_{MIN}	Uniformity Ratio, L_{MAX}/L_{MIN}	Veiling Luminance Ratio, L_v/L_{AVE}
N/A	N/A	N/A	N/A

Light Trespass

Distance to ROW (behind pole)	Max. Horizontal Illuminance at ROW, E_H	Max. Vertical Illuminance at ROW, E_v
N/A	N/A	N/A

Notes

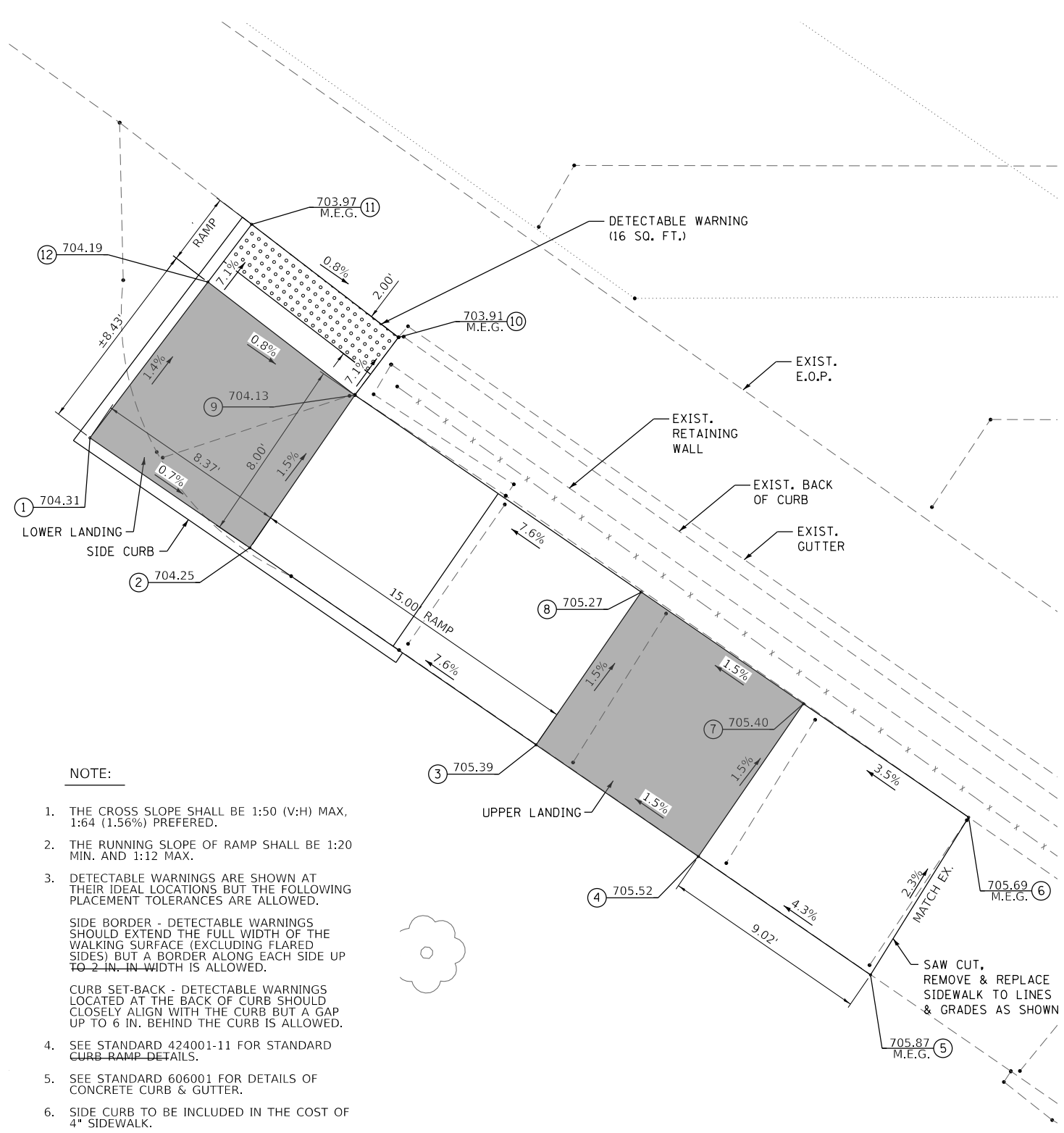
- Set-Back is from Edge of Pavement (white line) except for sign luminaires when it is vertical and horizontal distance from the sign to the luminaire.
- Lighting calculations shall be performed with all luminaires oriented toward and perpendicular to the roadway.
- Total Light Loss Factor (LLF) = the product of "Lumen Maintenance" (LLD) = 0.9, "Dirt Depreciation" (LDD) = 0.8, and "Equipment Factors" (EF) = 0.95.
- Performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

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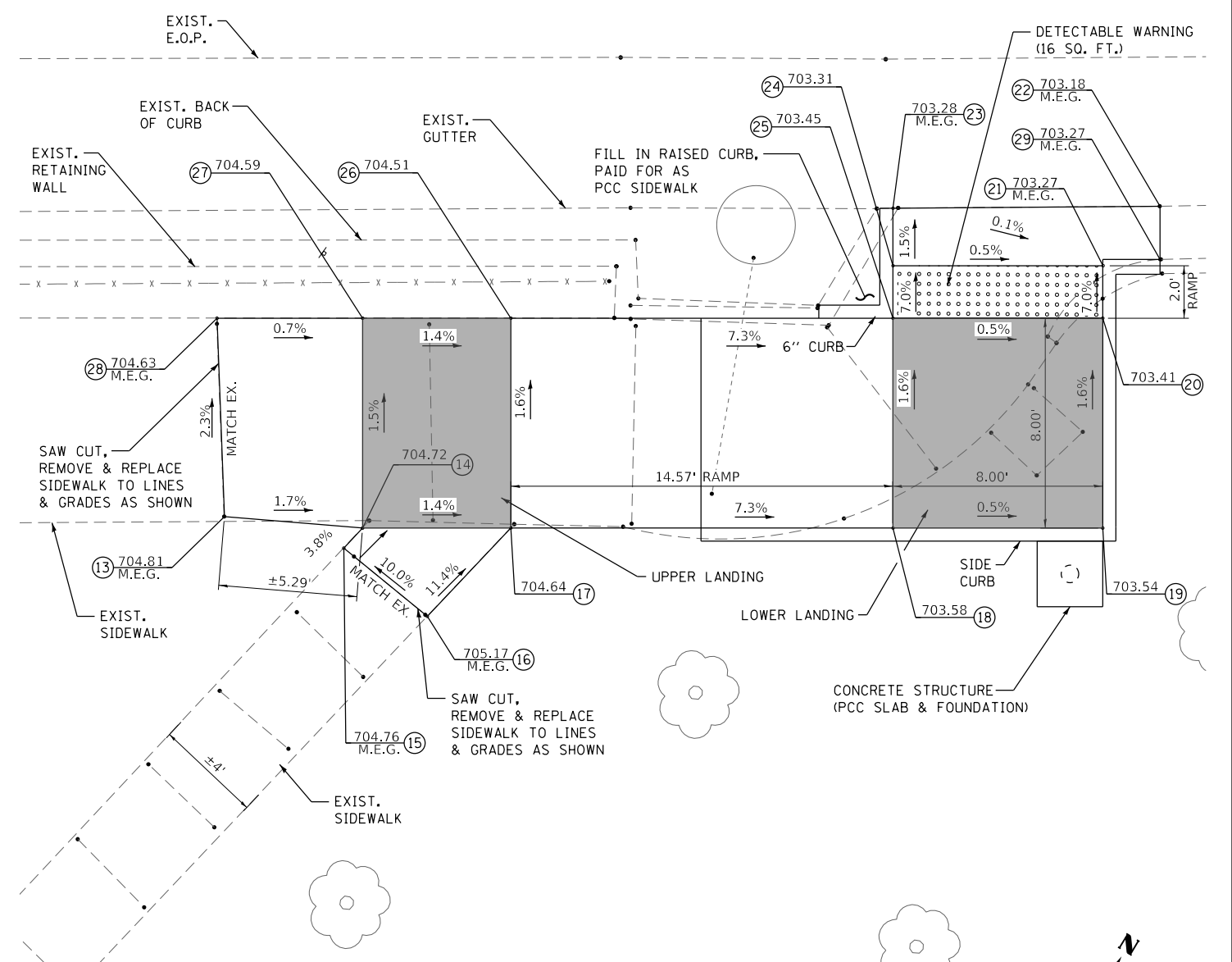
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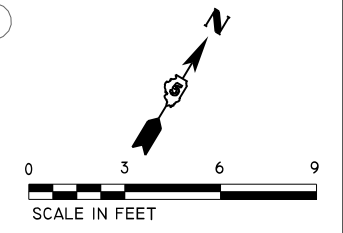
- NOTE:**
1. THE CROSS SLOPE SHALL BE 1:50 (V:H) MAX. 1:64 (1.56%) PREFERRED.
 2. THE RUNNING SLOPE OF RAMP SHALL BE 1:20 MIN. AND 1:12 MAX.
 3. DETECTABLE WARNINGS ARE SHOWN AT THEIR IDEAL LOCATIONS BUT THE FOLLOWING PLACEMENT TOLERANCES ARE ALLOWED.
 SIDE BORDER - DETECTABLE WARNINGS SHOULD EXTEND THE FULL WIDTH OF THE WALKING SURFACE (EXCLUDING FLARED SIDES) BUT A BORDER ALONG EACH SIDE UP TO 2 IN. IN WIDTH IS ALLOWED.
 CURB SET-BACK - DETECTABLE WARNINGS LOCATED AT THE BACK OF CURB SHOULD CLOSELY ALIGN WITH THE CURB BUT A GAP UP TO 6 IN. BEHIND THE CURB IS ALLOWED.
 4. SEE STANDARD 424001-11 FOR STANDARD CURB RAMP DETAILS.
 5. SEE STANDARD 606001 FOR DETAILS OF CONCRETE CURB & GUTTER.
 6. SIDE CURB TO BE INCLUDED IN THE COST OF 4" SIDEWALK.

LOCATION #1



LOCATION #2

PR SIDEWALK LAYOUT			PR SIDEWALK LAYOUT		
POINT	NORTHING	EASTING	POINT	NORTHING	EASTING
1	1346006.52	767781.52	15	1346035.60	767886.91
2	1346006.03	767789.87	16	1346035.02	767890.99
3	1346005.16	767804.85	17	1346039.55	767891.97
4	1346004.66	767813.33	18	1346047.10	767904.43
5	1346004.14	767822.33	19	1346051.24	767911.28
6	1346012.14	767822.43	20	1346058.09	767907.14
7	1346012.65	767813.80	21	1346059.80	767906.10
8	1346013.14	767805.31	22	1346062.86	767906.79
9	1346014.02	767790.34	23	1346057.53	767898.12
10	1346017.12	767790.66	24	1346055.65	767899.26
11	1346018.01	767782.71	25	1346053.94	767900.29
12	1346014.91	767782.39	26	1346046.40	767887.82
13	1346034.27	767882.39	27	1346043.47	767882.99
14	1346036.62	767887.13	28	1346040.60	767878.24
			29	1346061.13	767907.84



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	DATE -	REVISED -

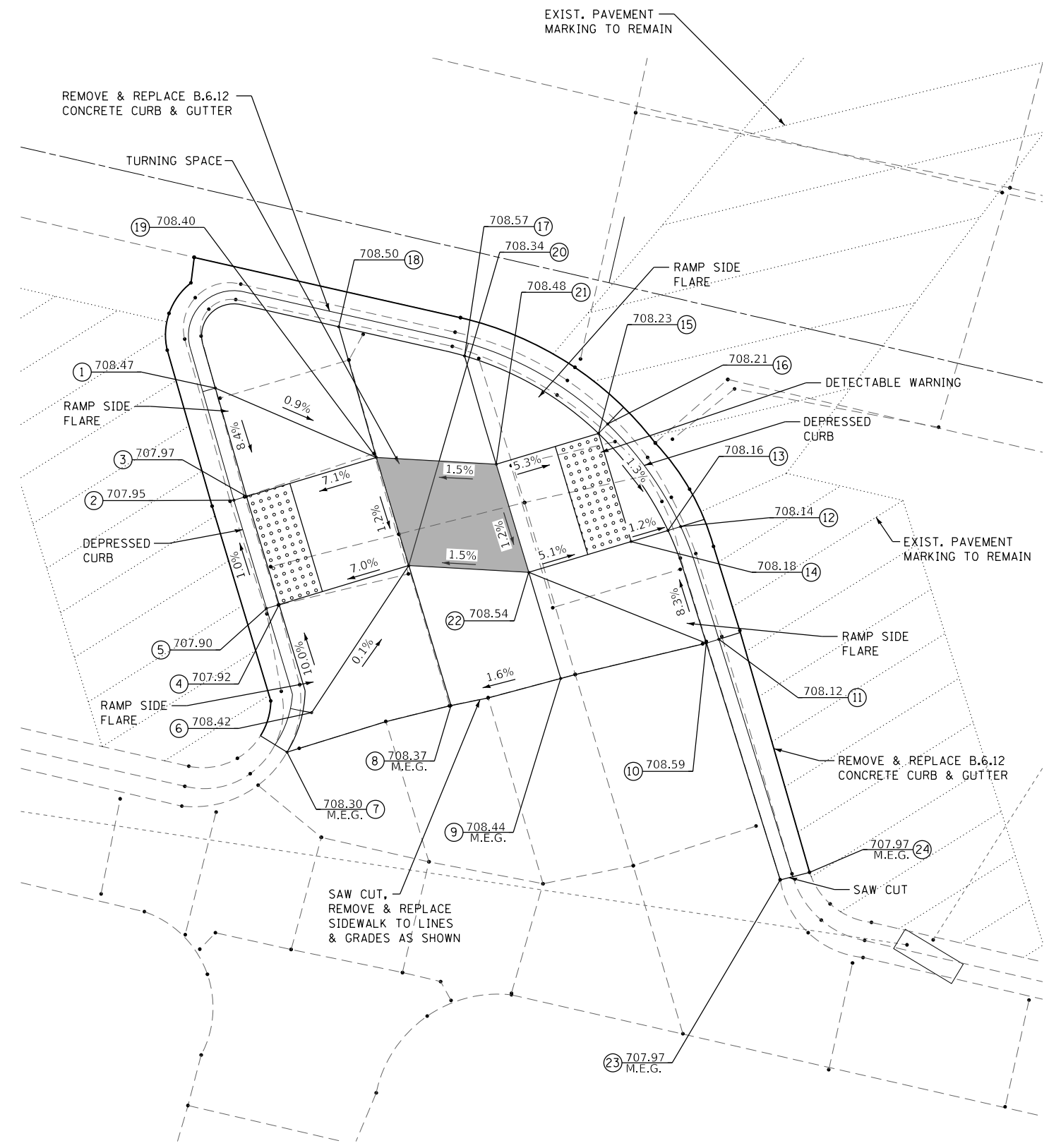
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SIDEWALK IMPROVEMENT DETAIL SHEET
 NB FUNKS GROVE REST AREA**
 SCALE: 1" = 3'
 SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE. 55	SECTION D5 NHFP 2020-1	COUNTY MCLEAN	TOTAL SHEETS 27	SHEET NO. 23
CONTRACT NO. 70D73				
ILLINOIS FED. AID PROJECT				

MODEL: Sheet 02

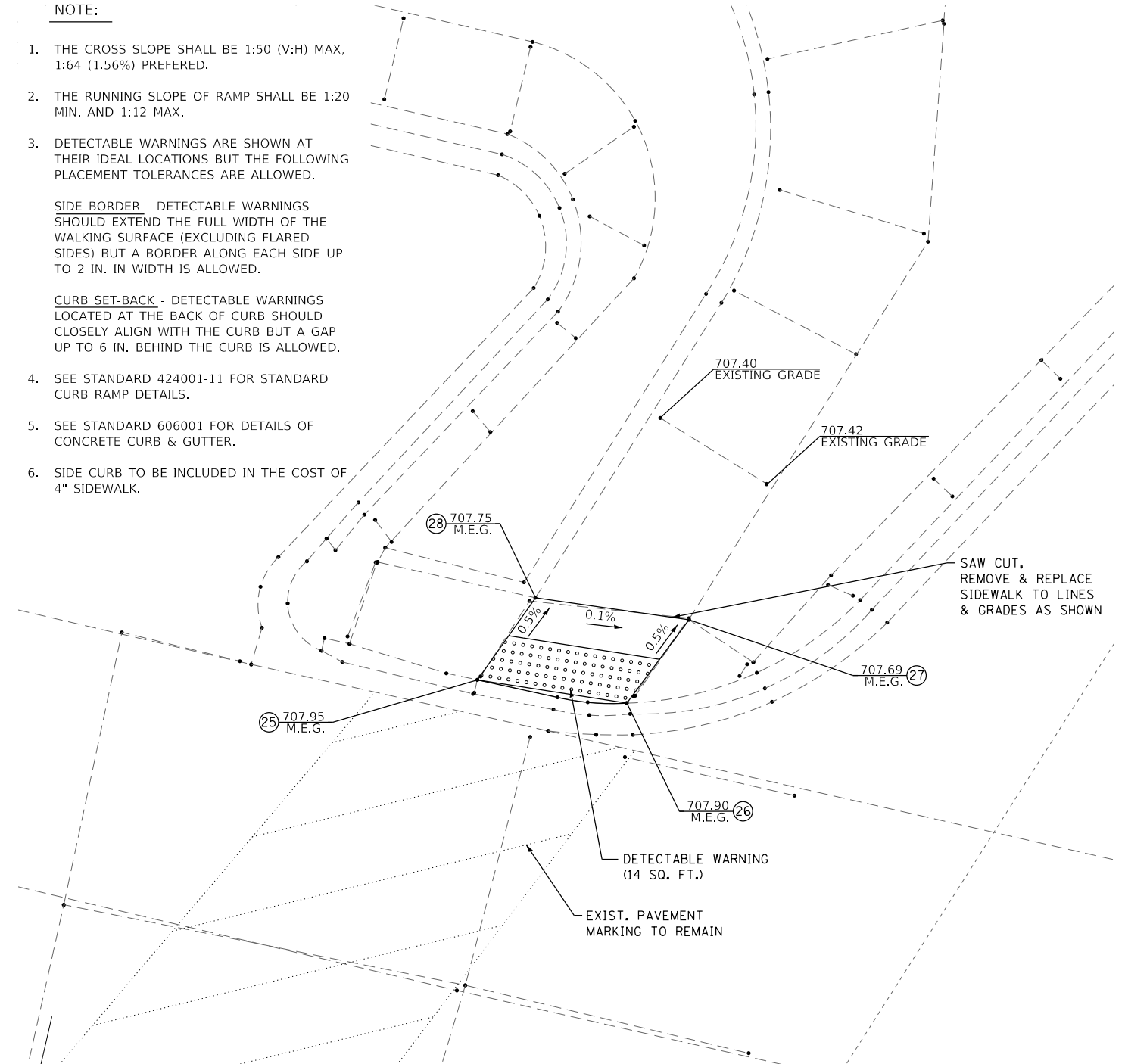
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LOCATION #3

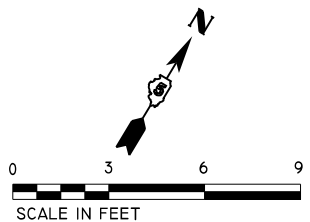
NOTE:

1. THE CROSS SLOPE SHALL BE 1:50 (V:H) MAX, 1:64 (1.56%) PREFERRED.
2. THE RUNNING SLOPE OF RAMP SHALL BE 1:20 MIN. AND 1:12 MAX.
3. DETECTABLE WARNINGS ARE SHOWN AT THEIR IDEAL LOCATIONS BUT THE FOLLOWING PLACEMENT TOLERANCES ARE ALLOWED.
 SIDE BORDER - DETECTABLE WARNINGS SHOULD EXTEND THE FULL WIDTH OF THE WALKING SURFACE (EXCLUDING FLARED SIDES) BUT A BORDER ALONG EACH SIDE UP TO 2 IN. IN WIDTH IS ALLOWED.
 CURB SET-BACK - DETECTABLE WARNINGS LOCATED AT THE BACK OF CURB SHOULD CLOSELY ALIGN WITH THE CURB BUT A GAP UP TO 6 IN. BEHIND THE CURB IS ALLOWED.
4. SEE STANDARD 424001-11 FOR STANDARD CURB RAMP DETAILS.
5. SEE STANDARD 606001 FOR DETAILS OF CONCRETE CURB & GUTTER.
6. SIDE CURB TO BE INCLUDED IN THE COST OF 4" SIDEWALK.



LOCATION #4

PR SIDEWALK LAYOUT			PR SIDEWALK LAYOUT		
POINT	NORTHING	EASTING	POINT	NORTHING	EASTING
1	1345934.32	767826.28	15	1345941.38	767841.83
2	1345930.50	767829.55	16	1345941.95	767841.96
3	1345930.92	767829.95	17	1345941.25	767834.98
4	1345927.58	767833.66	18	1345939.47	767829.54
5	1345927.14	767833.27	19	1345935.38	767833.97
6	1345924.23	767837.37	20	1345932.03	767837.68
7	1345922.16	767837.35	21	1345937.87	767838.67
8	1345927.69	767842.49	22	1345934.52	767842.38
9	1345931.24	767846.02	23	1345928.63	767858.96
10	1345935.91	767850.73	24	1345929.59	767859.90
11	1345937.09	767851.77	25	1345971.18	767845.68
12	1345939.74	767847.08	26	1345973.56	767851.45
13	1345939.30	767846.69	27	1345977.83	767851.87
14	1345938.04	767845.55	28	1345975.32	767845.97



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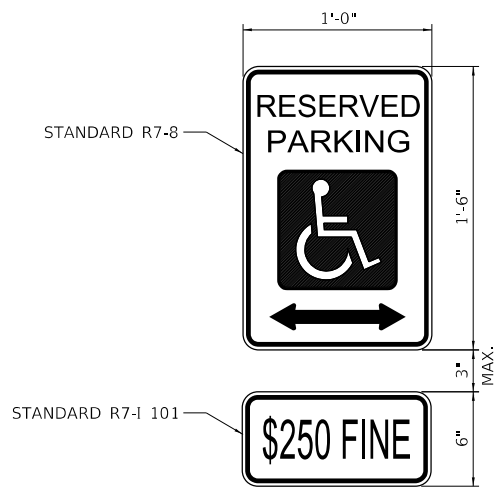
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 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SIDEWALK IMPROVEMENT DETAIL SHEET
 NB FUNKS GROVE REST AREA**
 SCALE: 1" = 3'
 SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D5 NHFP 2020-1	MCLEAN	27	24
CONTRACT NO. 70D73				
ILLINOIS FED. AID PROJECT				

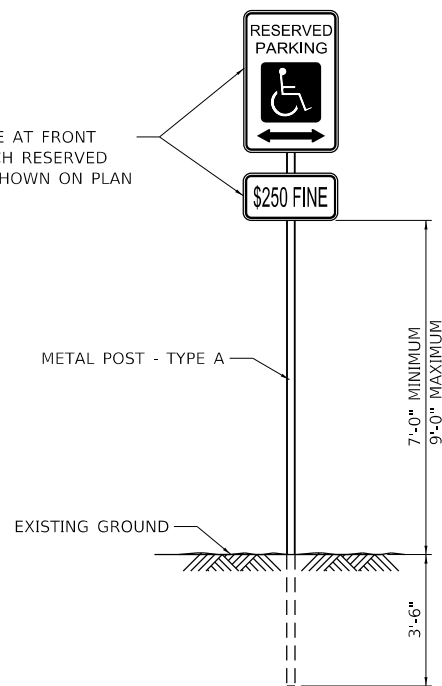


ACCESSIBLE PARKING SIGN DETAIL

SCALE: NONE

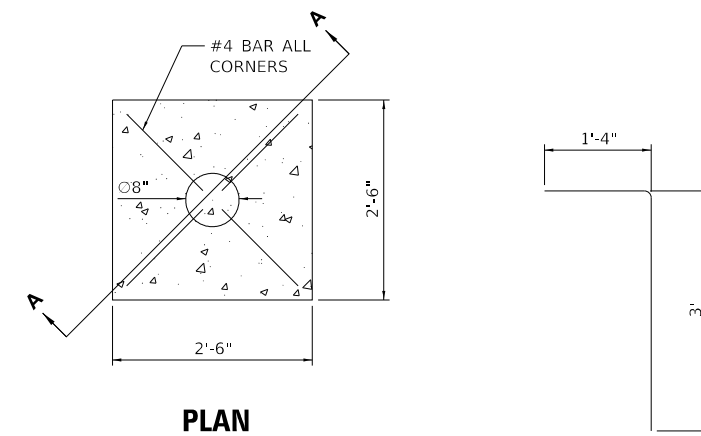
NOTE: SEE ILLINOIS STANDARDS FOR SIGN COLORS AND DIMENSIONS

SIGNS SHALL BE AT FRONT CENTER OF EACH RESERVED SPACE OR AS SHOWN ON PLAN

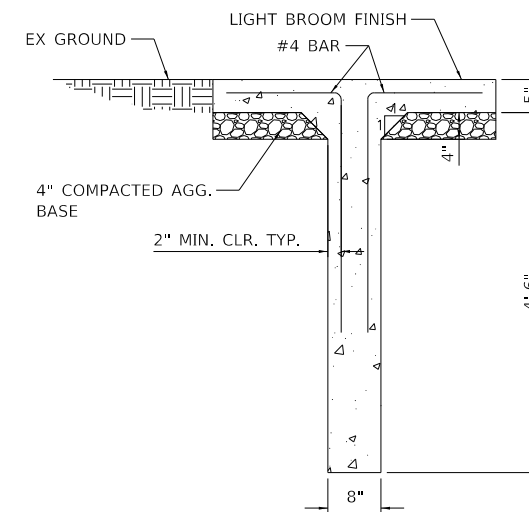


ACCESSIBLE PARKING SIGN POST DETAIL

SCALE: NONE



PLAN



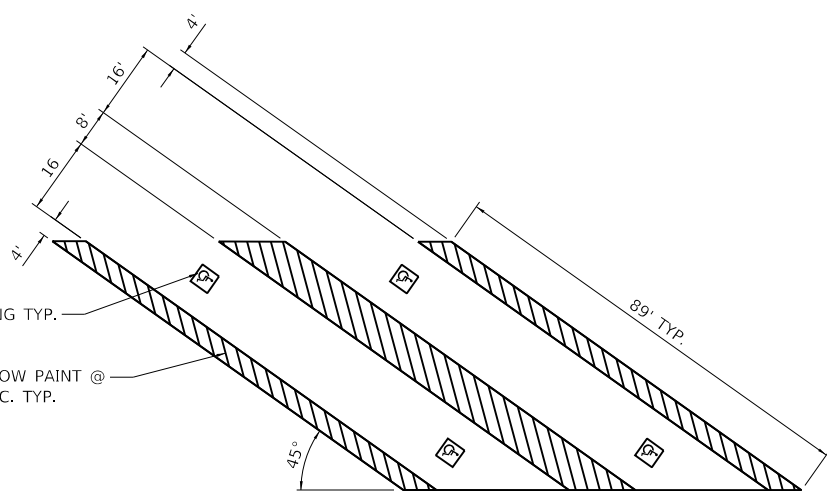
SECTION A-A

CONCRETE STRUCTURE DETAIL – TRASH RECEPTACLE PAD

SCALE: NONE

GENERAL NOTES:

1. WORK SHALL BE IN ACCORDANCE WITH SECTION 503 "CONCRETE STRUCTURES". CONCRETE SHALL BE IN ACCORDANCE WITH SECTION 1020 "PORTLAND CEMENT CONCRETE" FOR CLASS SI CONCRETE.
2. STRUCTURES WILL BE PAID FOR AS "CONCRETE STRUCTURES" PER CUBIC YARD.
3. REINFORCING BARS SHALL BE IN ACCORDANCE WITH SECTION 508.
4. REINFORCING BARS AND 4 INCH COMPACTED AGGREGATE BASE SHALL BE INCLUDED IN THE COST OF CONCRETE STRUCTURE.



ADA STALL LAYOUT DETAIL

SCALE: NONE

NOTE: PAINT ACCESSIBILITY STALLS AND HATCHING YELLOW. PAINT ALL OTHER STRIPING WHITE.

ALIGN ACCESSIBLE SIGNAGE WITH CENTERLINE OF STALL

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS
DETAILS

SHEET 1 OF 1 SHEETS

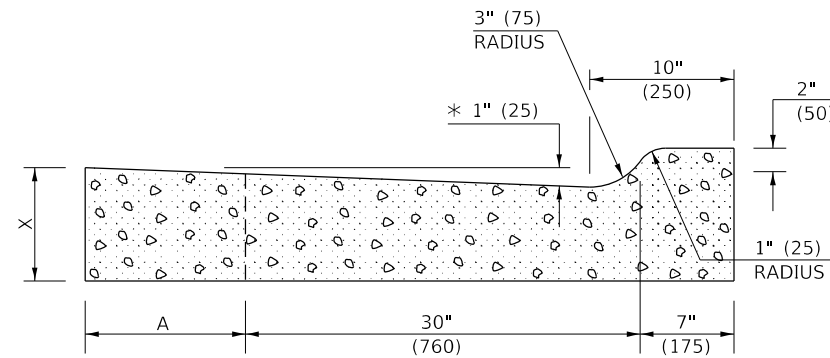
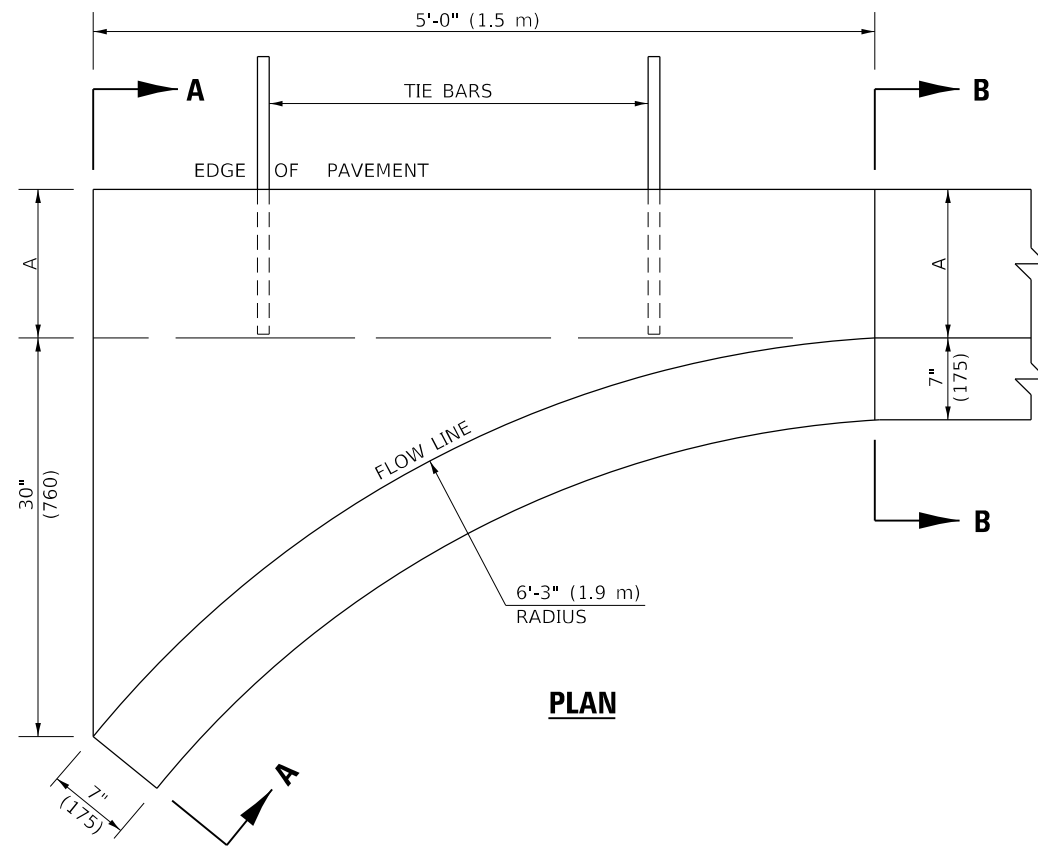
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D5 NHFP 2020-1	MCLEAN	27	25
CONTRACT NO. 70D73				

ILLINOIS FED. AID PROJECT

1/23/2020 2:13:53 PM rheinke I:\jba\2018\911804 PTB 189-024 District 5 Various Phase 1\1\W072_Funks_Grove\CAD_Sheets\0570073-sht-details.dgn

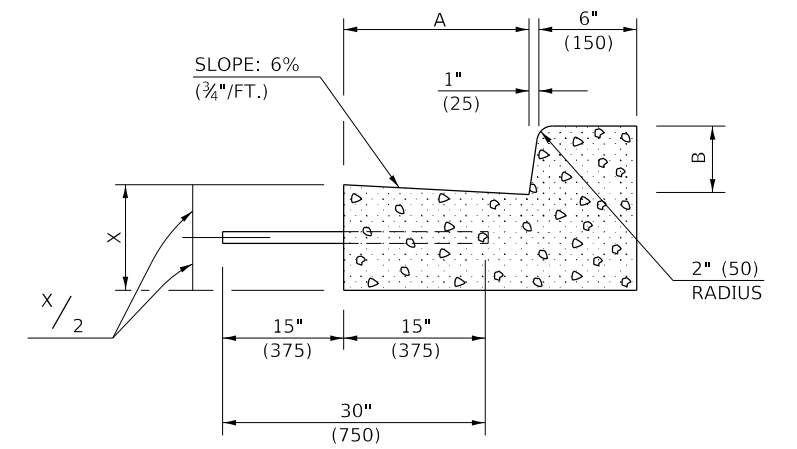
Prairie Engineers, P.C.
404 N. Main Street
Columbia, IL 62236
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www.prairieengineers.com
Professional Design Firm No. 164-005965
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USER NAME = RHEINKE	DESIGNED - NEL	REVISED -
PLOT SCALE = 2.0000" / IN.	DRAWN - RNH	REVISED -
PLOT DATE = 1/23/2020	CHECKED -	REVISED -
	DATE -	REVISED -



SECTION A-A

* INCREASE TO 2" (50 mm) WHERE IN THE PLANS IT IS SPECIFIED THAT THESE SPECIAL INLETS ARE TO BE CONSTRUCTED AS OUTLETS. ALL OUTLET LOCATIONS WILL BE CONFIRMED BY THE ENGINEER.



SECTION B-B

GENERAL NOTES

1. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
2. TIE BARS SHALL BE NO. 6 (NO. 20) AT 24" (600 mm) CENTERS UNLESS OTHERWISE SHOWN. SPECIAL INLETS AND OUTLETS SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.
3. TIE BARS SHOWN ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL TO CLASS SI CONCRETE (OUTLET).
4. WHEN SPECIAL INLET IS CONSTRUCTED ADJACENT TO FLEXIBLE PAVEMENT, THE TIE BARS SHALL BE OMITTED AND ALL CONSTRUCTION JOINTS SHALL BE PROVIDED WITH A DOWEL BAR CONFORMING TO ARTICLE 1006.11(b).
5. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CU. YD. (m³) FOR CLASS SI CONCRETE (OUTLET) WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

	B-6.12 (B-15.30)	B-9.12 (B-22.30)	B-6.18 (B-15.45)	B-9.18 (B-22.45)	B-6.24 (B-15.60)	B-9.24 (B-22.60)
A	12" (300)	12" (300)	12" (300)	12" (300)	18" (450)	18" (450)
B	6" (150)	6" (150)	9" (225)	9" (225)	6" (150)	6" (150)
X	9" (225)	10" (250)	9" (225)	10" (250)	9" (225)	10" (250)
CU. YD. (m ³)	0.37 (0.28)	0.42 (0.32)	0.38 (0.29)	0.42 (0.32)	0.44 (0.34)	0.49 (0.37)
CLASS SI CONCRETE (OUTLET)	0.37 (0.28)	0.42 (0.32)	0.38 (0.29)	0.42 (0.32)	0.44 (0.34)	0.49 (0.37)

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 6060095A

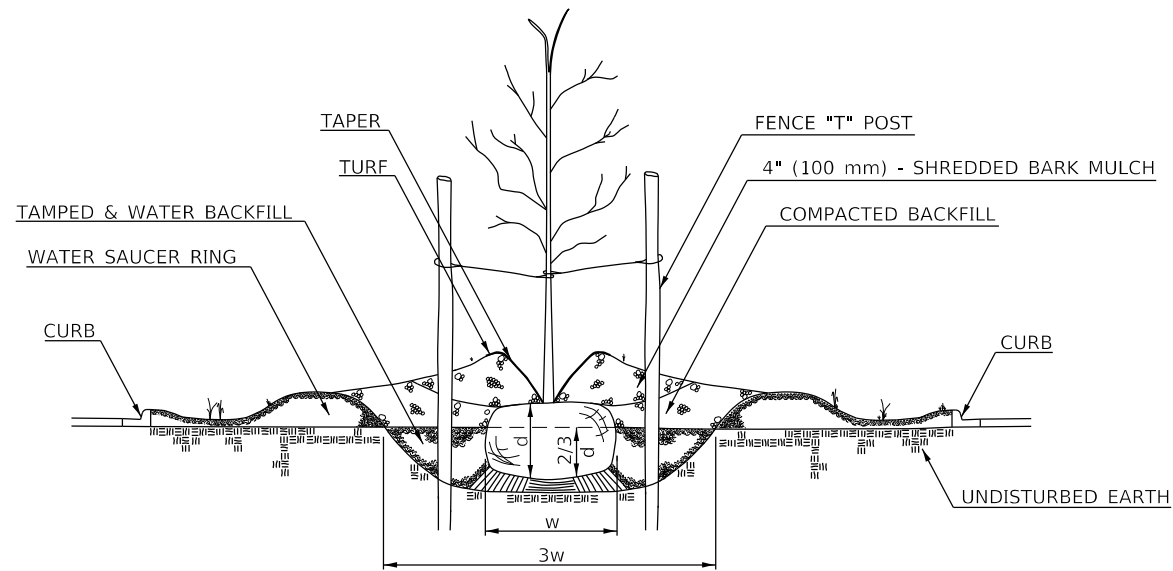
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INLET - COMBINATION CONCRETE CURB & GUTTER (BARRIER CURB)

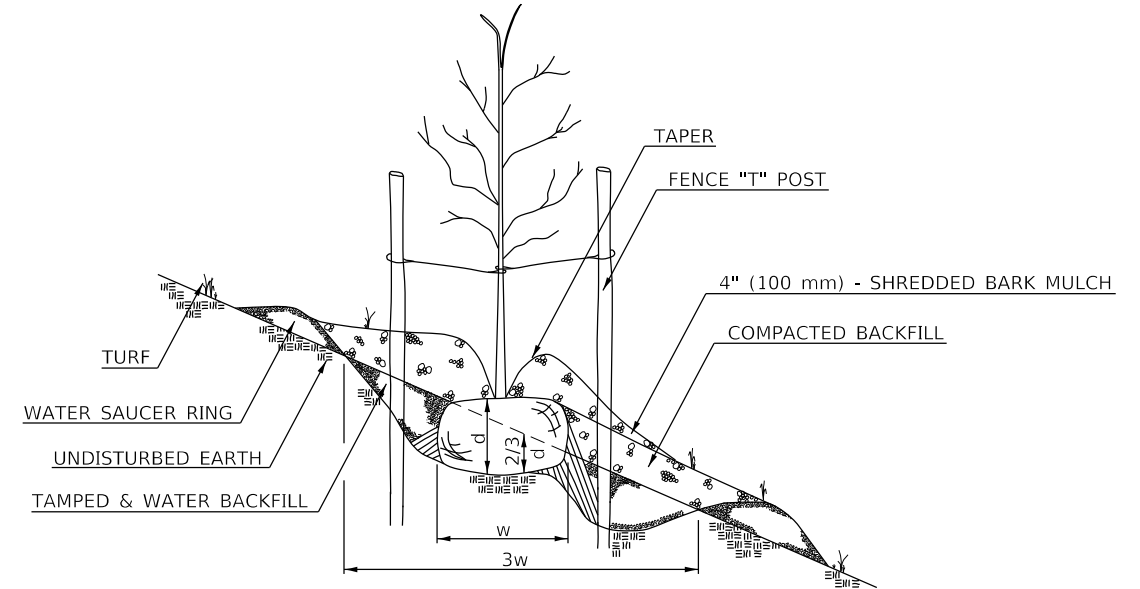
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D5 NHFP 2020-1	MCLEAN	27	26
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

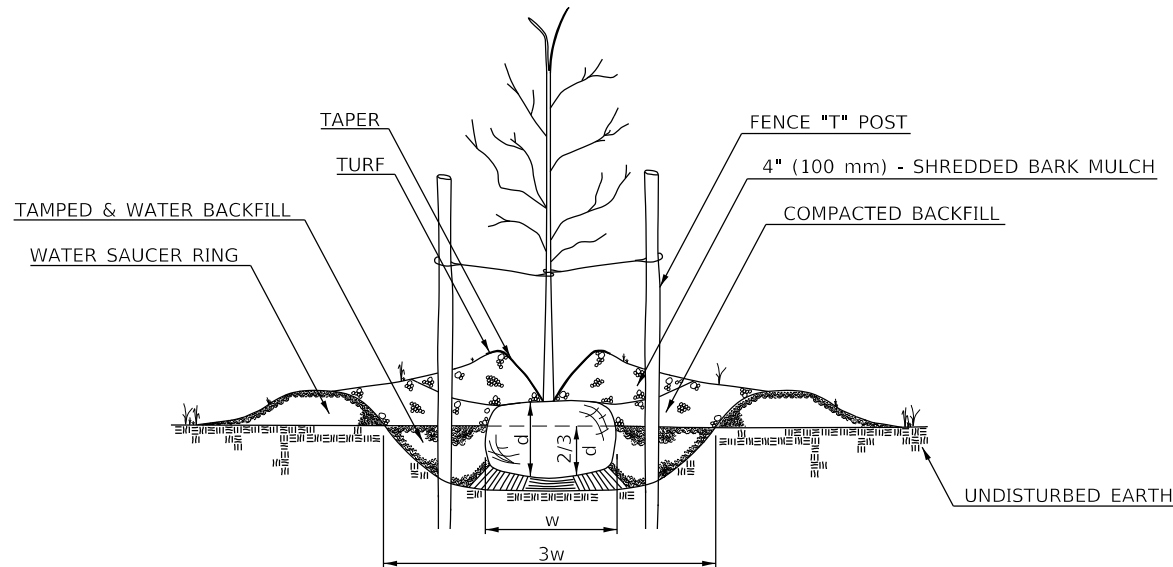
PARKWAY PLANTING DETAIL



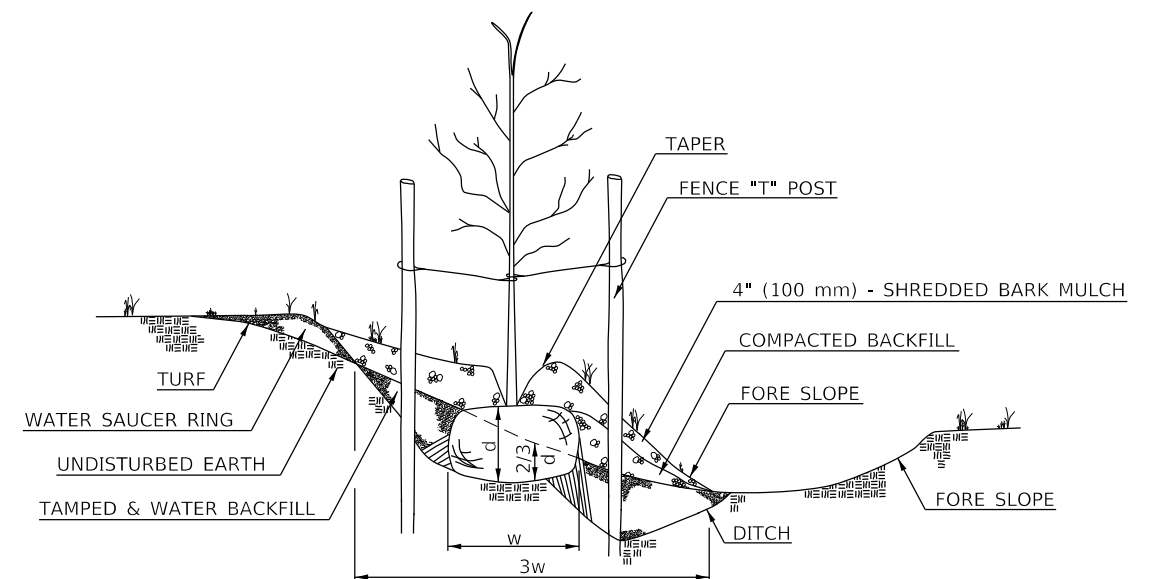
HILL PLANTING DEPTH



FLAT GROUND PLANTING DETAIL



DITCH AREA PLANTING DETAIL



HOLE DEPTH SCHEDULE

TREE SIZE (CALIPER)		SHRUB TREE HEIGHT		EVERGREEN HEIGHT		MIN. DIAMETER BALL (w)		MIN. DEPTH BALL (d)		HOLE DEPTH (2/3d)		HOLE WIDTH (3w)	
6 mm	1/4 in	600 mm	2 ft	500 mm	1.5 ft	255 mm	10 in	190 mm	7 1/2 in	130 mm	5 in	760 mm	30 in
13	1/2	900	3	600	2	300	12	230	9	150	6	900	36
19	3/4	1250	4	900	3	355	14	270	10 1/2	180	7	1070	42
25	1	1500	5	1250	4	400	16	300	12	205	8	1220	48
30	1 1/4	1800	6	1375	4 1/2	460	18	345	13 1/2	230	9	1375	54
40	1 1/2	2000	7	1500	5	500	20	345	13 1/2	230	9	1525	60
45	1 3/4	2500	8	1800	6	560	22	370	14 1/2	255	10	1680	66
50	2	2700	9	2000	7	600	24	400	16	280	11	1830	72
60	2 1/2	3000	10	2500	8	700	28	470	18 1/2	300	12	2140	84
80	3	3500	11	2700	9	800	32	500	20	330	13	2440	96
90	3 1/2	3700 mm	12 ft	3700	12	960	38	585	23	380	15	2900	114
100	4			4300	14	1070	42	635	25	430	17	3200	126
110	4 1/2			4900	16	1220	48	740	29	485	19	3660	144
130	5			5400 mm	18 ft	1375	54	815	32	535	21	4115	162
140	5 1/2					1450	57	865	34	585	23	4315	171
150	6					1525	60	915	36	610	24	4575	180
180	7					1780	70	1070	42	700	28	5330	210
205 mm	8 in					2030 mm	80 in	1220 mm	48 in	815 mm	32 in	6070 mm	240 in

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 253AAAAA

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USER NAME = rheinke	DESIGNED -	REVISED - 12/06
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 1/23/2020	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANTING DETAILS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D5 NHFP 2020-1	MCLEAN	27	27
CONTRACT NO. 70D73				
ILLINOIS FED. AID PROJECT				