**IDOT LETTING: JANUARY 18, 2019** 

DE080 TOTAL SHEETS = 18

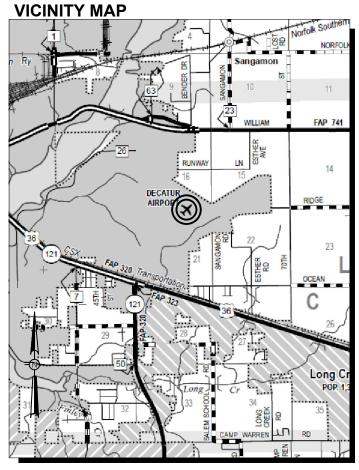
# **CONSTRUCTION PLANS**

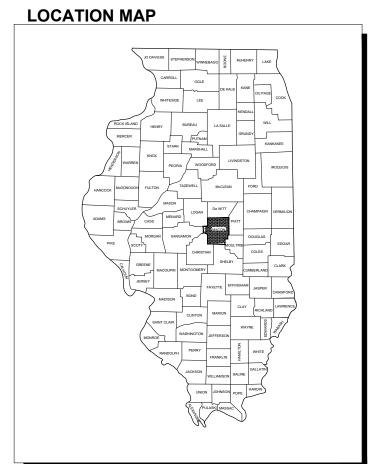
# REHABILITATE NORTH TERMINAL AUTOMOBILE PARKING AREA

DECATUR PARK DISTRICT
DECATUR AIRPORT (DEC)
DECATUR, MACON COUNTY, ILLINOIS

**IDA PROJECT NO. DEC-4623** 

**NOVEMBER 16, 2018** 





#### NOTICE TO CONTRACTORS AND BIDDERS

THESE CONSTRUCTION PLANS RELY UPON THE SPECIAL PROVISIONS AND THE SPECIFICATIONS TO PROVIDE FOR A COMPLETE DESCRIPTION OF THE WORK AND CONSTRUCTION REQUIREMENTS. THE PLANS SHALL ONLY BE USED IN COMBINATION WITH ALL CONTRACT DOCUMENTS.

No.	Issue/Description	Sheets Changed	Date	Ву







SUMMARY OF QUANTITIES					
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	AS-BUILT QUANTITY	
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1		
AR150520	MOBILIZATION	L.S.	1		
AR150530	TRAFFIC MAINTENANCE	L.S.	1		
AR152410	UNCLASSIFIED EXCAVATION	C.Y.	80		
AR152480	SHOULDER ADJUSTMENT	S.Y.	500		
AR152540	SOIL STABILIZATION FABRIC	S.Y.	280		
AR162750	DETECTOR LOOP	L.S.	1		
AR201661	CLEAN & SEAL BITUMINOUS CRACKS	L.F.	5,000		
AR201670	CRACK CONTROL FABRIC	S.Y.	1,600		
AR209510	CRUSHED AGGREGATE BASE COURSE	TON	520		
AR401613	BIT. SURF. CSEMETHOD I, SUPERPAVE	TON	1,865		
AR401650	BITUMINOUS PAVEMENT MILLING	S.Y.	7,100		
AR401900	REMOVE BITUMINOUS PAVEMENT	S.Y.	3,230		
AR401910	REMOVE & REPLACE BIT. PAVEMENT	S.Y.	239		
AR403613	BIT. BASE CSEMETHOD I, SUPERPAVE	TON	500		
AR501910	REMOVE & REPLACE PCC PAVEMENT	S.Y.	75		
AR603510	BITUMINOUS TACK COAT	GAL.	2,700		
AR620520	PAVEMENT MARKING-WATERBORNE	S.F.	2,799		
AR904510	SODDING	S.Y.	500		
AR910230	HANDICAP SIGN	EACH	9		
AR910410	PARKING BLOCK	EACH	50		
AR910415	REMOVE PARKING BLOCK	EACH	42		
AR910915	REMOVE ROADWAY SIGN	EACH	8		

SHEET NO.	SHEET TITLE			
1	COVER SHEET			
2	SUMMARY OF QUANTITIES, INDEX TO SHEETS, AND GENERAL NOTES			
3	PROJECT LAYOUT			
4	CONSTRUCTION SAFETY AND PHASING PLAN			
5	TYPICAL SECTIONS			
6	PAVEMENT PREPARATION PLAN			
7	CONSTRUCTION PLAN			
8	CONCRETE PATCHING PLAN			
9	STAKING PLAN			
10	MARKING PLAN			
11	MARKING AND SIGN DETAILS			
12	ELECTRICAL LEGEND AND ABBREVIATIONS			
13	DETECTOR LOOP DETAILS			
14	EXISTING GATE 2 ELECTRICAL ONE-LINE			
15	EXISTING GATE 3 ELECTRICAL ONE-LINE			
16	PROPOSED CROSS SECTIONS STA 10+00 TO 11+50			
17	PROPOSED CROSS SECTIONS STA 12+00 TO 13+50			
18	PROPOSED CROSS SECTIONS STA 14+00 TO 14+50			

### **GENERAL NOTES**

- THE PROJECT PAY ITEMS ARE INTENDED TO BE INCLUSIVE OF ALL WORK TO BE PERFORMED AS SHOWN IN THESE PLANS. ALL INCIDENTAL WORK REQUIRED TO COMPLETE THE PROJECT TO THE SATISFACTION OF THE RESIDENT ENGINEER IS TO BE INCLUDED IN THE COSTS OF PERFORMING THESE ITEMS. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT, AND TRANSPORTATION NECESSARY TO CONSTRUCT ALL ELEMENTS OF THE PROJECT AS DESCRIBED IN THE CONSTRUCTION PLANS AND SPECIFICATIONS.
- 2. THE RULES, REGULATIONS, AND SPECIFICATIONS ENUMERATED HEREIN SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS. THEY SHALL NOT PROHIBIT THE CONTRACTOR FROM FURNISHING AND INSTALLING HIGHER GRADES OF MATERIAL THAN ARE SPECIFIED HEREIN, IF APPROVED BY THE ENGINEER.
- 3. ACCESS TO THE SITE SHALL BE RESTRICTED EXCLUSIVELY TO THE DESIGNATED CONSTRUCTION ENTRANCE, STAGING AREA, AND HAUL ROUTE. NO EQUIPMENT OR PERSONNEL SHALL BE PERMITTED OUTSIDE THE GENERAL PROJECT AREA.
- 4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT AND KEEP CLEAN OF DEBRIS ALL EXISTING AIRFIELD AND ROADWAY PAVEMENTS AT ALL TIMES. ANY DAMAGE TO EXISTING ELECTRICAL, DRAINAGE, AND PAVEMENT STRUCTURES SHALL BE IMMEDIATELY REPAIRED AT NO ADDITIONAL COST TO THE CONTRACT.
- 5. CONTRACTOR IS REQUIRED TO PROVIDE THEIR OWN RESTROOM FACILITIES.
- 6. THE LOCATION OF THE ENGINEER'S FIELD OFFICE WILL BE DETERMINED AT THE
- 7. THE OWNER SHALL HAVE THE RIGHT OF FIRST REFUSAL FOR ALL SALVAGEABLE MATERIAL REMOVED ON THE PROJECT UNLESS OTHERWISE NOTED.
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING PERMITS FOR HAULING ON PUBLIC ROADS, AS APPLICABLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY DAMAGES TO ANY PAVEMENTS (PUBLIC OR PRIVATE) CAUSED BY HIS/HER CONSTRUCTION EQUIPMENT OR PERSONNEL.
- 9. THE CONTRACTOR SHALL PROVIDE ONE SET OF PRELIMINARY REDLINED RECORD DRAWINGS TO THE RESIDENT ENGINEER AT THE COMPLETION OF THE PROJECT FOR INCORPORATION INTO THE OFFICIAL RECORD DRAWINGS HE WILL PREPARE.
- 10. APPROXIMATE LOCATIONS OF UNDERGROUND UTILITIES ARE SHOWN THROUGHOUT THESE PLANS. THE CONTRACTOR SHALL DETERMINE EXACT LOCATIONS AND PROTECT THESE UTILITIES DURING CONSTRUCTION. ANY UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. CONTRACTOR SHALL COORDINATE WITH THE PROPER AUTHORITIES FOR THE PURPOSE OF LOCATING AND PROTECTING EXISTING UNDERGROUND UTILITIES.
- 11. <u>NPDES PERMIT</u> THIS PROJECT WILL <u>NOT</u> DISTURB MORE THAN 1 ACRE, THEREFORE A NPDES PERMIT <u>NOT</u> IS REQUIRED.
- 12. <u>MATERIAL CERTIFICATIONS</u> MATERIALS <u>CANNOT</u> BE INSTALLED UNTIL <u>ALL</u> THE MATERIAL CERTIFICATIONS FOR THAT ITEM HAVE BEEN RECEIVED, REVIEWED AND ACCEPTED BY THE RESIDENT ENGINEER. MATERIALS INSTALLED WITHOUT APPROVAL ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- 13. <u>CERTIFIED PAYROLLS</u> THE RESIDENT ENGINEER <u>CANNOT</u> FORWARD A CONSTRUCTION REPORT FOR PAYMENT TO THE IDOT—DIVISION OF AERONAUTICS FOR PROCESSING UNTIL <u>ALL</u> CERTIFIED PAYROLLS FOR THAT PERIOD HAVE BEEN RECEIVED.



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Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62703 phone: 217-788-2450 fax: 217-788-2503

Professional Service Corporation #184-001084



Decatur Park District Decatur Airport 910 South Airport Road Decatur, IL 62521

REHABILITATE NORTH **TERMINAL AUTOMOBILE PARKING** AREA

IDA No: DEC-4623

Contract No. DE080

NO.	DATE	DES	CRIPT	ION
INO.	DATE	DES	DWN	REV
ISSUE:	11/16/20	)18		
PROJEC	CT NO: 1	8A000	2	

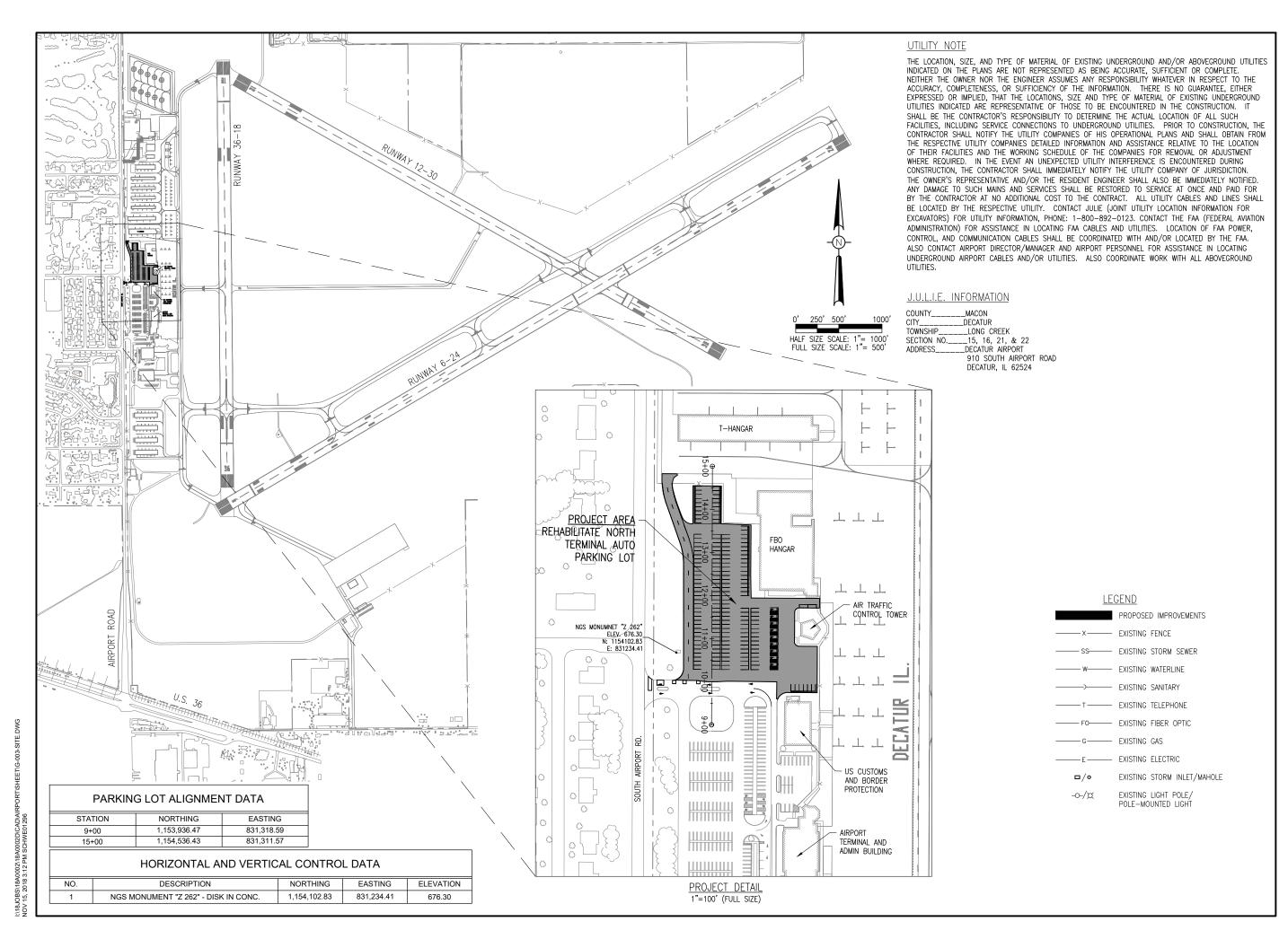
CAD FILE: G-002-SOQ.DWG

DESIGN BY: MJD DRAWN BY: MJD

REVIEWED BY: KBS 10/18/18

SHEET TITLE

SUMMARY OF QUANTITIES, INDEX TO SHEETS, AND **GENERAL NOTES** 





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REHABILITATE NORTH TERMINAL AUTOMOBILE PARKING AREA

IDA No: DEC-4623

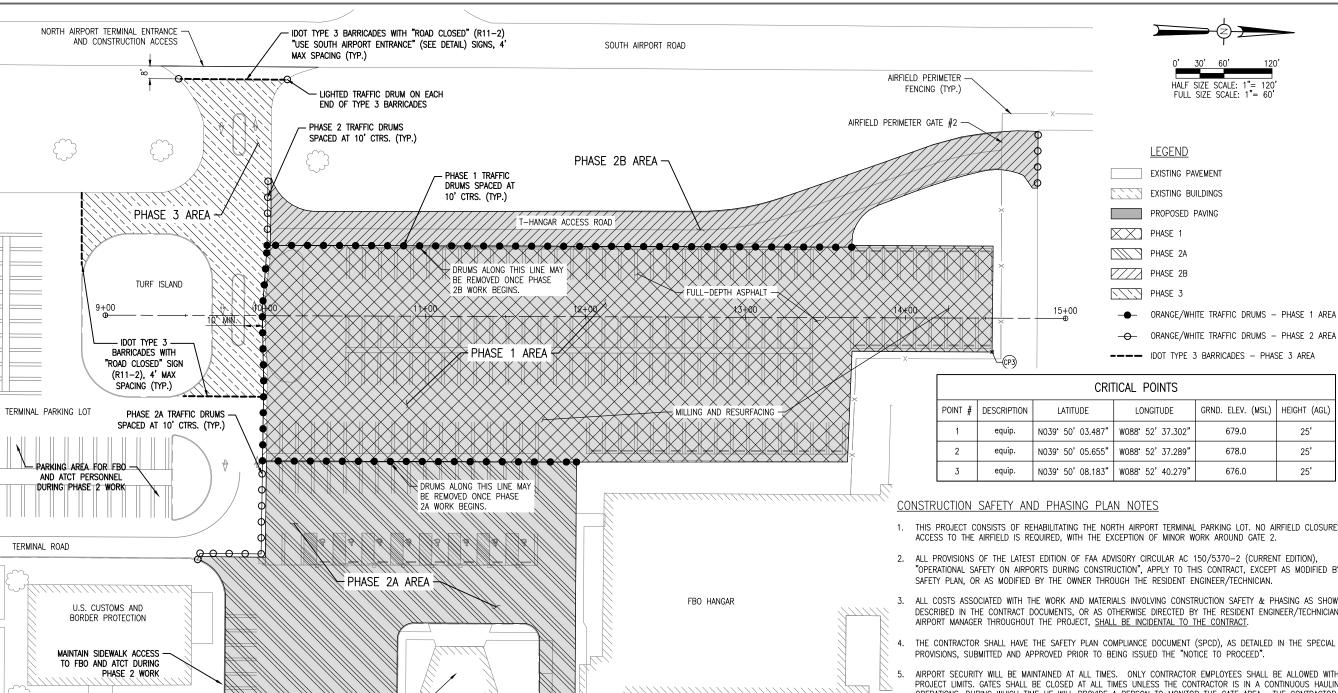
Contract No. DE080



DRAWN BY: MJD REVIEWED BY: KBS 10/18/18

SHEET TITLE

PROJECT LAYOUT



# PHASE 1 NOTES

THE PHASE 1 AREA COVERS THE CENTER PORTION OF THE NORTH

(CP)

- ITEMS OF WORK INCLUDE FULL-DEPTH ASPHALT PAVEMENT REMOVAL AND REPLACEMENT, PAVING OF A TURF ISLAND, ASPHALT PATCHING, MILLING AND RESURFACING, MARKING, SODDING, PLACEMENT OF THE ASPHALT SURFACE LIFT, MARKING, AND SODDING MAY BE COMPLETED CONCURRENT WITH PHASE 2 WORK.
- 3. THIS AREA SHALL REMAIN CLOSED FOR THE PROJECT DURATION.
- NO WORK MAY OCCUR OUTSIDE THIS AREA UNTIL THE ASPHALT BASE COURSE HAS BEEN PLACED IN THE FULL-DEPTH AREA, AND THE MILLING HAS BEEN COMPLETED IN THE RESURFACING AREA.

#### PHASE 2 NOTES

AIR TRAFFIC CONTROL TOWER

- THE PHASE 2A AREA COVERS THE ACCESS ROAD TO THE T-HANGARS. THE PHASE 2B AREA COVERS THE PARKING LOT SURROUNDING THE AIR TRAFFIC CONTROL TOWER.
- ITEMS OF WORK INCLUDE ASPHALT PATCHING, MILLING AND 2. RESURFACING, PAVEMENT MARKING, SODDING,
- NO CLOSURE OR WORK MAY BEGIN IN THE PHASE 2A AREA UNTIL THE ASPHALT BASE COURSE AND MILLING HAS BEEN COMPLETED IN THE PHASE 1 AREA.
- NO CLOSURE OR WORK MAY BEGIN IN THE PHASE 2B AREA UNTIL THE MILLING HAS BEEN COMPLETED IN THE PHASE 2A AREA.
- THE CONTRACTOR SHALL NOTIFY THE AIRPORT DIRECTOR AND RESIDENT ENGINEER/TECHNICIAN A MINIMUM OF 5 DAYS PRIOR TO THE DESIRED CLOSURE DATE TO ALLOW FOR COORDINATION WITH THE AIRPORT TENANTS AND THE AIR TRAFFIC CONTROL TOWER.

#### PHASE 3 NOTES

AIRFIELD PERIMETER GATE #3

0 0 0 0

- THE PHASE 3 AREA COVERS THE NORTH TERMINAL ENTRANCE AREA AS ACCESSED FROM SOUTH AIRPORT ROAD. THE WORK MAY
- 2. ITEMS OF WORK INCLUDE CONCRETE PATCHING OF ISOLATED PAVEMENT AREAS NEAR THE ENTRANCE.
- THIS WORK SHALL BE COMPLETED CONCURRENTLY WITH THE
- THE PATCHING AND REOPEN THE ENTRANCE TO TRAFFIC.

- NOT ENCROACH ON OR IMPACT TRAFFIC ON SOUTH AIRPORT ROAD.
- PHASE 2B WORK TO MINIMIZE DISRUPTION TO THE AIRPORT.
- THE CONTRACTOR SHALL HAVE 3 DAYS OF CLOSURE TO COMPLETE 9.
- 5. THE CONTRACTOR SHALL NOTIFY THE AIRPORT DIRECTOR AND RESIDENT ENGINEER/TECHNICIAN A MINIMUM OF 5 DAYS PRIOR TO THE DESIRED ENTRÂNCE CLOSURE DATE TO ALLOW FOR COORDINATION WITH AIRPORT TENANTS AND DECATUR MASS

ORANGE/WHITE TRAFFIC DRUMS - PHASE 1 AREA

---- IDOT TYPE 3 BARRICADES - PHASE 3 AREA

GRND. ELEV. (MSL) HEIGHT (AGL) 25 25 25'

- THIS PROJECT CONSISTS OF REHABILITATING THE NORTH AIRPORT TERMINAL PARKING LOT. NO AIRFIELD CLOSURES OR
- 2. ALL PROVISIONS OF THE LATEST EDITION OF FAA ADVISORY CIRCULAR AC 150/5370-2 (CURRENT EDITION), "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION", APPLY TO THIS CONTRACT, EXCEPT AS MODIFIED BY THIS SAFETY PLAN, OR AS MODIFIED BY THE OWNER THROUGH THE RESIDENT ENGINEER/TECHNICIAN.
- 3. ALL COSTS ASSOCIATED WITH THE WORK AND MATERIALS INVOLVING CONSTRUCTION SAFETY & PHASING AS SHOWN OR DESCRIBED IN THE CONTRACT DOCUMENTS, OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN OR
- THE CONTRACTOR SHALL HAVE THE SAFETY PLAN COMPLIANCE DOCUMENT (SPCD), AS DETAILED IN THE SPECIAL
- AIRPORT SECURITY WILL BE MAINTAINED AT ALL TIMES. ONLY CONTRACTOR EMPLOYEES SHALL BE ALLOWED WITHIN THE PROJECT LIMITS. GATES SHALL BE CLOSED AT ALL TIMES UNLESS THE CONTRACTOR IS IN A CONTINUOUS HAULING OPERATIONS, DURING WHICH TIME HE WILL PROVIDE A PERSON TO MONITOR THE GATE AREA. THE CONTRACTOR AND HIS EMPLOYEES WILL BE RESTRICTED TO THE WORK AREA AND ALL OTHER AREAS OF THE AIRPORT ARE "OFF LIMITS"
- AIRFIELD SAFETY ASSURANCE AIRFIELD SAFETY SHALL BE HELD PARAMOUNT AT ALL TIMES. ANY INDIVIDUALS RESPONSIBLE FOR INCURSIONS OR POTENTIAL INCURSIONS WITH AIR TRAFFIC OR VEHICULAR TRAFFIC DUE TO NON-COMPLIANCE WITH REQUIREMENTS SET FOR IN THESE PLANS, SPECIFICATIONS, SPECIAL PROVISIONS, AND FAA ADVISORY CIRCULAR 150/5370-2 (CURRENT EDITION) WILL BE SUBJECT TO AN IMMEDIATE SUSPENSION OF DRIVING PRIVILEGES ON THE AIRPORT OR A COMPLETE RESTRICTION OF ACCESS TO THE AIRFIELD ALTOGETHER. THE AIRPORT MANAGER OR RESIDENT ENGINEER/TECHNICIAN MAY STOP THE WORK AT ANY TIME THEY BELIEVE AIRFIELD SAFETY IS
- THE CONSTRUCTION ACCESS AND HAUL ROUTE AREA SHALL BE CONSTANTLY MONITORED AND KEPT FREE OF DEBRIS. CONTRACTOR SHALL KEEP A SWEEPER ONSITE AND AVAILABLE FOR USE AT ALL TIMES TO MAINTAIN ENTRANCE ROAD PAVEMENTS. THE CONTRACTOR SHALL USE A PRESSURE WASHER OR OTHER MEANS TO THOROUGHLY CLEAN THE CONCRETE HAUL ROUTE AREA AT THE CONCLUSION OF THE PROJECT.
- WORK AREAS SHALL BE DELINEATED BY ORANGE/WHITE PLASTIC DRUMS PER IDOT STANDARD 701901. DRUMS SHALL BE LIGHTED, PLACED AT THE LOCATIONS AND INTERVALS SHOWN, AND CONNECTED WITH YELLOW CAUTION TAPE.
- THE CONTRACTOR SHALL PROVIDE THE AIRPORT MANAGER AND RESIDENT ENGINEER/TECHNICIAN WITH CONTACT INFORMATION FOR A PERSON ON CALL 24 HOURS A DAY FOR EMERGENCY MAINTENANCE OF BARRICADES AND HAZARD
- 10. ALL WORK PERFORMED SHALL BE DONE IN A ORDERLY AND EFFECTIVE MANNER TO MINIMIZE DISRUPTION TO AIRPORT
- 11. NO CONSTRUCTION EQUIPMENT GREATER THAN 25' TALL WILL BE PERMITTED ON THE AIRPORT WITHOUT THE APPROVAL OF THE AIRPORT MANAGER AND AIRSPACE APPROVAL BY THE FAA.

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Decatur Park District Decatur Airport 910 South Airport Road Decatur, IL 62521

REHABILITATE NORTH **TERMINAL AUTOMOBILE PARKING** AREA

IDA No: DEC-4623

Contract No. DE080

DESCRIPTION NO. DATE DES DWN REV ISSUE: 11/16/2018

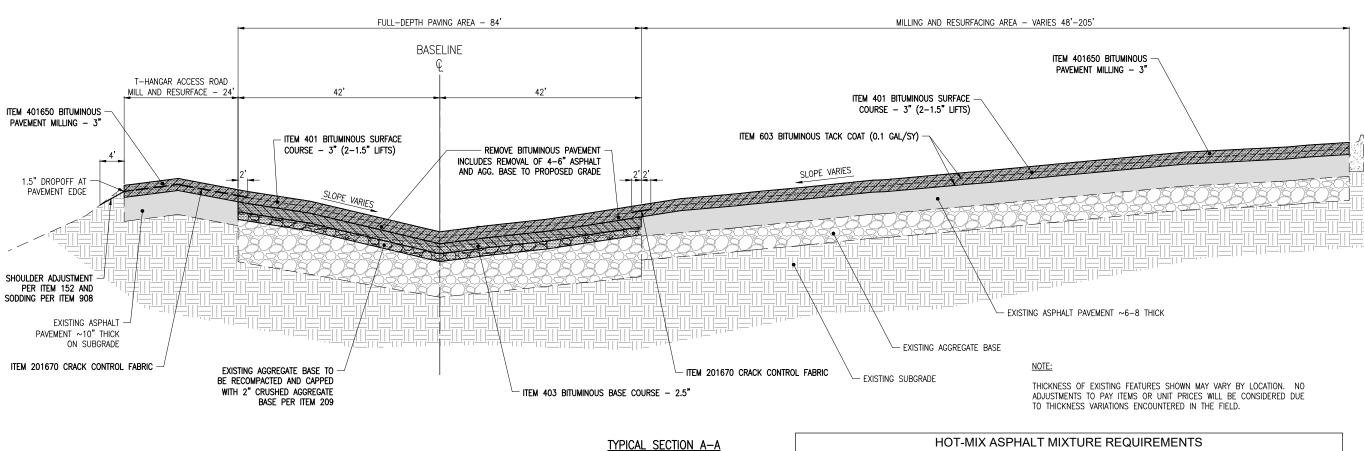
PROJECT NO: 18A0003

CAD FILE: C-101-SFY.DWG DESIGN BY: KBS

DRAWN BY: KBS REVIEWED BY: MJD 10/18/18

SHEET TITLE

CONSTRUCTION SAFETY AND PHASING PLAN



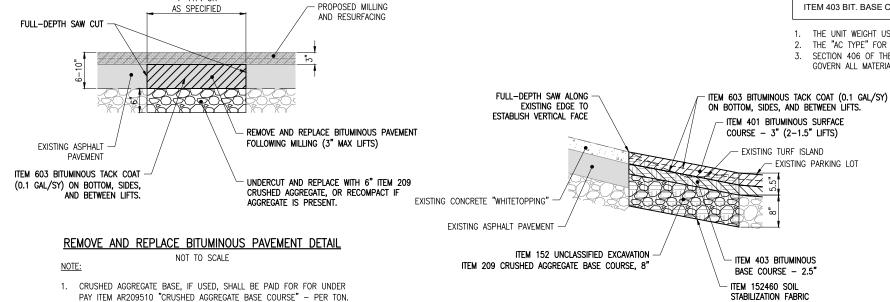
NOT TO SCALE

TYPICAL SECTION B-B

NOT TO SCALE

HOT-MIX ASPHALT MIXTURE REQUIREMENTS					
ITEM MIXTURE TYPE AIR VOIDS (%) @ Ndes					
ITEM 401 BIT. SURF. CSEMETHOD I, SUPERPAVE	POLYMERIZED HMA SURFACE COURSE, MIX "C", N50 (IL 9.5 MM), - 3" (2 LIFTS)	4% @ 50 GYR			
ITEM 403 BIT. BASE CSE-METHOD I, SUPERPAVE	HMA BASE COURSE, IL-19.0, N50 - 2 1/2"	4% @ 50 GYR			

- 1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE QUANTITIES IS 112 LBS/SQ YD/IN. (0.056 TONS/SQ YD/IN.)
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND "PG 64-22" FOR NON POLYMERIZED HMA.
- 3. SECTION 406 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," ADOPTED APRIL 1, 2016 SHALL GOVERN ALL MATERIAL REQUIREMENTS FOR THIS ITEM.



4' TYP. OR

2. ALL OTHER WORK AND MATERIALS SHOWN SHALL BE INCLUDED IN AND

PAID FOR UNDER PAY ITEM AR401910 "REMOVE AND REPLACE BIT.

PAVEMENT" - PER SQUARE YARD.

TYPICAL SECTIONS

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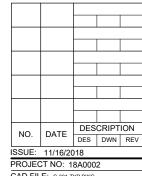


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IDA No: DEC-4623

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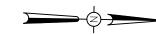
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DESIGN BY: KBS
DRAWN BY: KBS
REVIEWED BY:

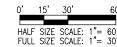
SHEET TITLE

249.85' RT.

ACCOMMODATE PAVEMENT WORK - DETECTOR LOOP

REMOVAL IS INCIDENTAL. REFER TO ELECTRICAL SHEETS.





#### LEGEND

AR152410 UNCLASSIFIED EXCAVATION AR401900 REMOVE BITUMINOUS PAVEMENT AR501910 REMOVE AND REPLACE PCC PAVEMENT EXISTING FENCE EXISTING STORM SEWER

EXISTING TELEPHONE

EXISTING GAS EXISTING ELECTRIC

EXISTING LIGHT POLE/

PATCHIN	PATCHING SCHEDULE				
CRACK NO.	DIMENSIONS (WIDTH X LENGTH)	TOTAL (S. Y.)			
1	4' X 24'	11			
2	4' X 42'	19			
3	4' X 24'	11			
4	4' X 24'	11			
5	4' X21'	9			
6	4' X 6'	3			
7	4' X 47'	21			
8	4' X 47'	21			
9	4' X 43'	19			
10	4' X 11'	5			
11	4' X 28'	12			
12	4' X 24'	11			
13	4' X 85'	38			
SUPP.		50			
	TOTAL	239			

SIGN AND PARKING BLOCK REMOVAL QUANTITIES				
DESCRIPTION NO. REQUIRED				
PARKING BLOCKS	42			
R7-8 SIGN WITH R7-I101 PLAQUE & POST	8			

AR401650 BITUMINOUS PAVEMENT MILLING

AR401910 REMOVE AND REPLACE BITUMINOUS PAVEMENT

EXISTING WATERLINE

EXISTING SANITARY

EXISTING FIBER OPTIC

□/° EXISTING STORM INLET/MAHOLE

POLE-MOUNTED LIGHT

PATCHING SCHEDULE		
CRACK NO.	DIMENSIONS (WIDTH X LENGTH)	TOTAL (S. Y.)
1	4' X 24'	11
2	4' X 42'	19
3	4' X 24'	11
4	4' X 24'	11
5	4' X21'	9
6	4' X 6'	3
7	4' X 47'	21
8	4' X 47'	21
9	4' X 43'	19
10	4' X 11'	5
11	4' X 28'	12
12	4' X 24'	11
13	4' X 85'	38
SUPP.		50
	TOTAL	239

SHEET TITLE

NO. DATE

ISSUE: 11/16/2018 PROJECT NO: 18A0002

DESIGN BY: MJD

DRAWN BY: MJD

CAD FILE: C-102-PRP.DWG

REVIEWED BY: KBS 10/18/18

PAVEMENT PREPARATION PLAN

DESCRIPTION

DES DWN REV

Hanson Professional Services Inc.

Professional Service Corporation #184-001084

AIRPORT

1525 S. 6th Street Springfield, IL 62703 phone: 217-788-2450

fax: 217-788-2503

Illinois Licensed

decatur

Decatur Park District

910 South Airport Road Decatur, IL 62521

REHABILITATE NORTH

AUTOMOBILE PARKING

IDA No: DEC-4623

Contract No. DE080

**TERMINAL** 

AREA

Decatur Airport

PAVEMENT MILLING & REMOVAL NOTES

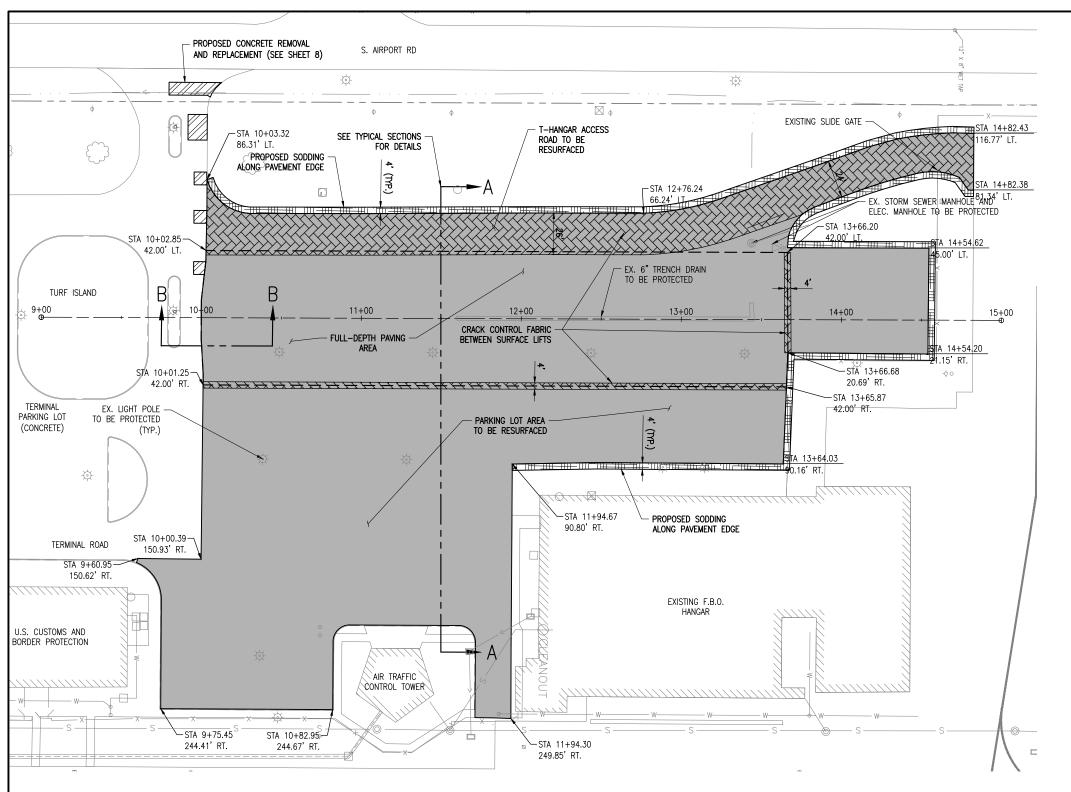
IF A VERTICAL FACE IS NOT OBTAINED FROM THE MILLING OPERATIONS, OR IF THE VERTICAL FACE IS DAMAGED PRIOR TO PAVING, THE EXISTING PAVEMENT WILL BE SAW-CUT IN ORDER TO ACHIEVE A VERTICAL FACE FOR PAVING AGAINST. SAWING WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE PROPOSED PAVEMENT MILLING AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

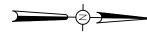
244.67' RT.

- 2. ALL MILLED MATERIAL WILL BE DISPOSED OF OFF THE AIRPORT SITE.
- ANY ADJACENT PAVEMENT DAMAGED BY THE MILLING OPERATIONS WILL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE.
- FOR FULL DEPTH HMA REMOVAL THE UNDERLYING COURSE SHALL BE RECOMPACTED, PROOF-ROLLED AND ACCEPTED BY THE RESIDENT ENGINEER/TECHNICIAN BEFORE PLACING AND SPREADING OPERATIONS BEGIN.
- PATCHING AND CRACK SEALING AREAS WILL BE CONFIRMED AND LAID OUT BY THE RESIDENT ENGINEER/TECHNICIAN FOLLOWING PAVEMENT MILLING.

244.41' RT.

- PARKING BLOCK REMOVAL PAID UNDER AR910415 REMOVE PARKING BLOCK.
- 7. SIGN REMOVAL PAID FOR UNDER AR501915 REMOVE ROADWAY SIGN.







### **LEGEND**

PROPOSED PAVING AREA

AR201670 CRACK CONTROL FABRIC

AR904510 SODDING

AR501910 REMOVE & REPLACE PCC PAVEMENT

EXISTING FENCE

EXISTING STORM SEWER

EXISTING WATERLINE

EXISTING SANITARY

EXISTING TELEPHONE

EXISTING FIBER OPTIC

EXISTING GAS

EXISTING ELECTRIC

EXISTING STORM INLET/MAHOLE □/o

EXISTING LIGHT POLE/ -0-/¤ POLE-MOUNTED LIGHT

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910 South Airport Road
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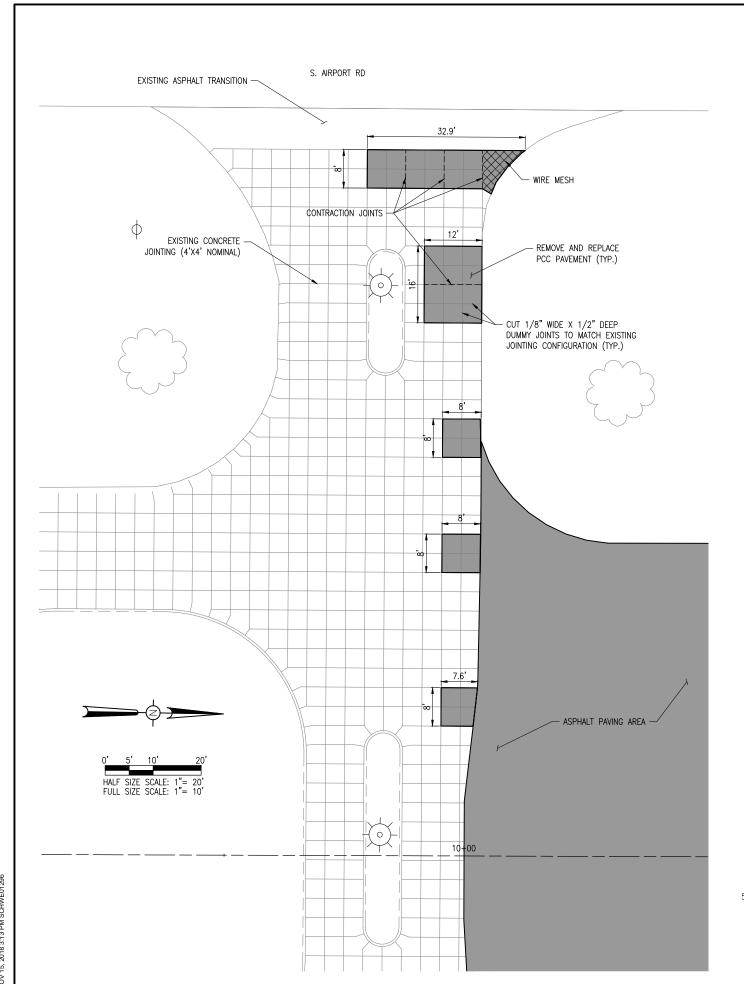
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ISSUE: 11/16/2018				
PROJECT NO: 18A0002				
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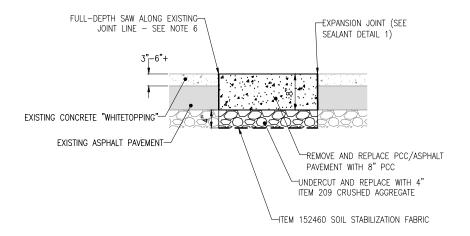
DESIGN BY: MJD

DRAWN BY: MJD REVIEWED BY: KBS 10/18/18

SHEET TITLE

CONSTRUCTION PLAN



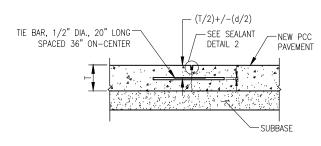


## REMOVE AND REPLACE PCC PAVEMENT DETAIL

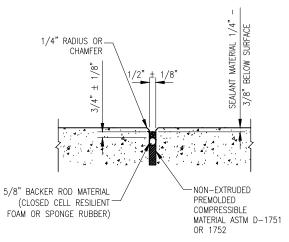
NOT TO SCALE

1. RESIDENT ENGINEER/TECHNICIAN WILL CONFIRM AND LAYOUT PATCHING LIMITS.

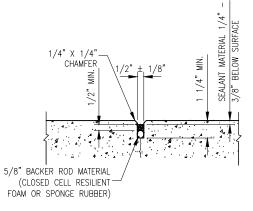
- 2. PCC MIX SHALL BE IDOT CLASS PP-2.
- 3. CRUSHED AGGREGATE BASE SHALL BE PAID FOR FOR UNDER PAY ITEM AR209510 "CRUSHED AGGREGATE BASE COURSE" - PER TON.
- 4. SOIL STABILIZATION FABRIC SHALL BE PAID FOR UNDER PAY ITEM AR152460
- 5. ALL OTHER WORK AND MATERIALS SHOWN, INCLUDING JOINTING AND SEALING, SHALL BE INCLUDED IN AND PAID FOR UNDER PAY ITEM AR501910 "REMOVE AND REPLACE PCC PAVEMENT" - PER SQUARE YARD.
- 6. CARE SHALL BE TAKEN NOT TO DAMAGE EXISTING CONCRETE PANELS WHILE SAW-CUTTING AND REMOVING EXISTING PAVEMENT. CRACKED OR DAMAGED PANELS SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.



CONTRACTION JOINT



DETAIL 1 - SEALANT



DETAIL 2 - SEALANT

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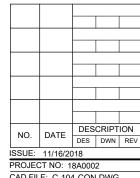


Decatur Park District Decatur Airport 910 South Airport Road Decatur, IL 62521

REHABILITATE NORTH **TERMINAL AUTOMOBILE PARKING** AREA

IDA No: DEC-4623

Contract No. DE080



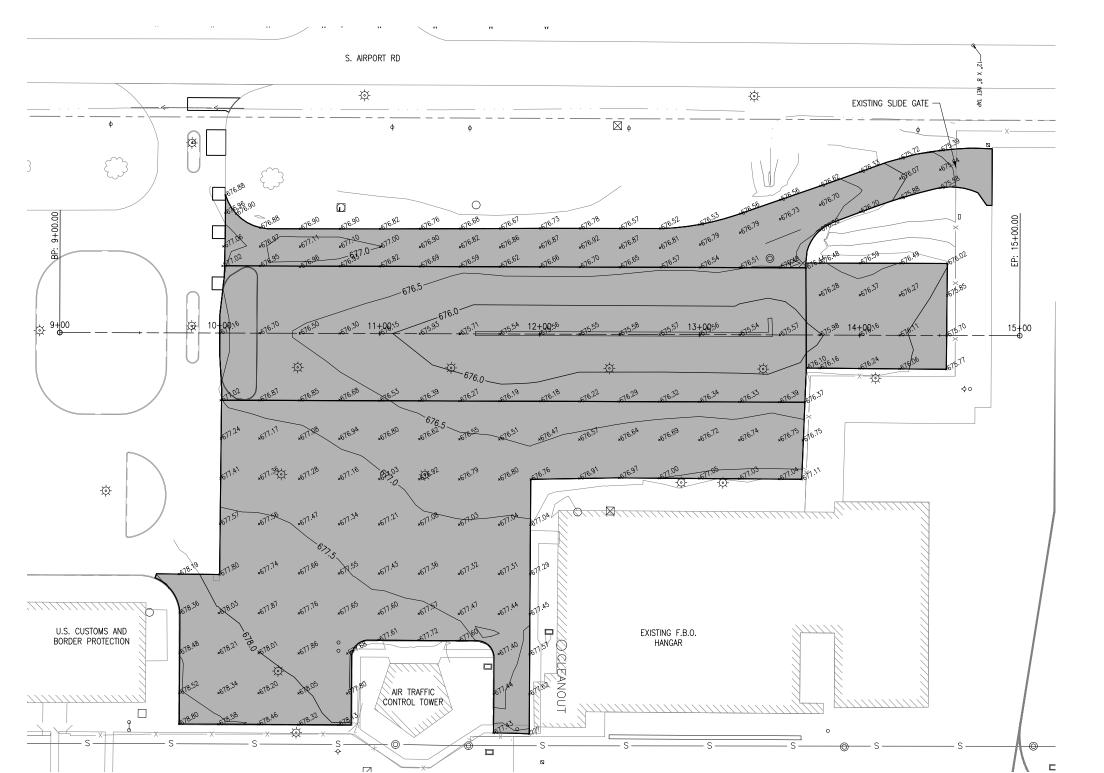
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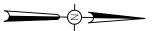
DESIGN BY: KBS DRAWN BY: KBS

REVIEWED BY: MJD 10/18/18

SHEET TITLE

CONCRETE PATCHING PLAN







<u>LEGEND</u>

PROPOSED PAVING AREA

X EXISTING FENCE

SS EXISTING STORM SEWER

EXISTING WATERLINE

EXISTING SANITARY

T EXISTING TELEPHONE

FO EXISTING FIBER OPTIC

G EXISTING GAS

E EXISTING ELECTRIC

EXISTING STORM INLET/MAHOLE

-o-/¤ EXISTING LIGHT POLE/ POLE-MOUNTED LIGHT HANSON Engineering | Planning | Aljed Services

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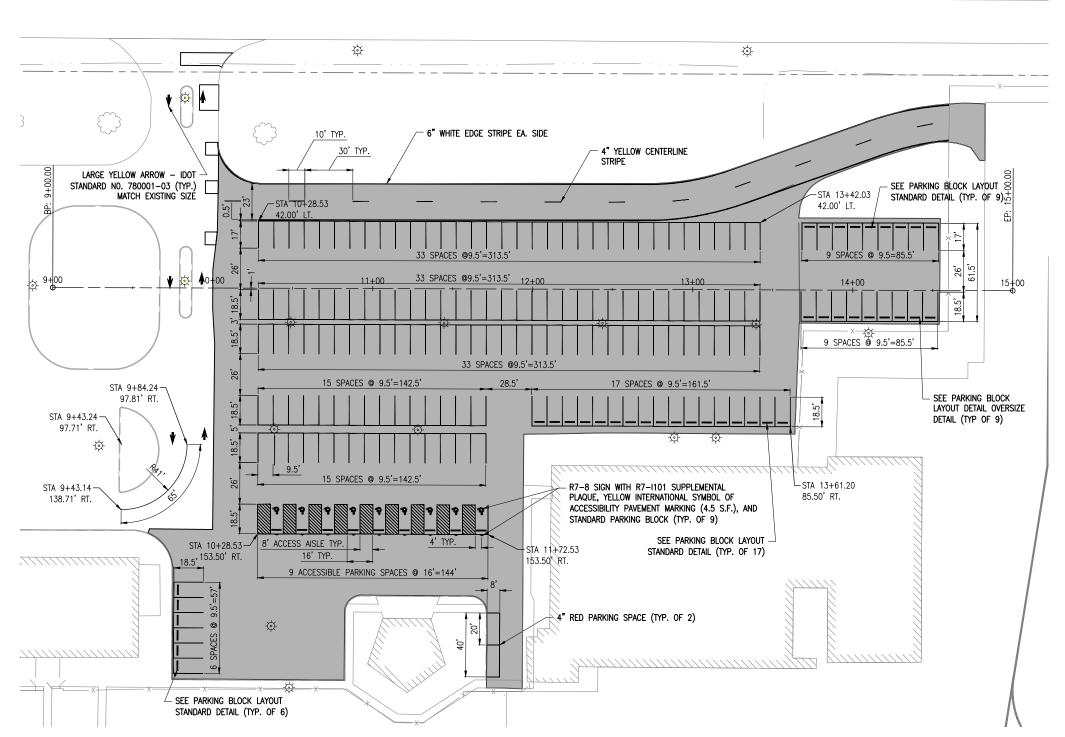
Contract No. DE080

NO.	DATE	DES	CRIPT	ION	
NO.	DATE	DES	DWN	REV	
ISSUE:	11/16/20	)18			
PROJECT NO: 18A0002					
CAD FILE: C-104-STAKE.DWG					
DESIGN BY: MJD					

SHEET TITLE

STAKING PLAN

DRAWN BY: MJD KBS REVIEWED BY: 10/18/18



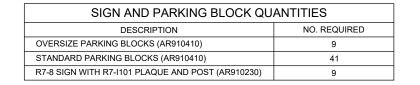
N	MARKING QUANTITIES	5	
DESCRIPTION	NO. REQUIRED	TOTAL LENGTH (FT)	TOTAL AREA (S.F.)
4" YELLOW PARKING STALLS	170	4861	1,620
4" YELLOW CENTERLINE STRIPES	12	120	40
4" WHITE EDGE STRIPE	2	920	460
LARGE YELLOW ARROW (IDOT STD. NO. 780001-03)	6	AS SHOWN	72
4" YELLOW PAVEMENT MARKING (41' RADIUS)	1	65	22
ACCESSIBLE PARKING SPACES (4" STRIPES)	9	1513	505
INTERNATIONAL SYMBOL OF ACCESSIBILITY	9	AS SHOWN	45

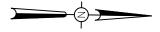
104

TOTAL (AR620520)

35

2,799







## 620 - WATERBORNE PAVEMENT MARKING NOTES

- PAVEMENT MARKINGS WILL BE PLACED IN ACCORDANCE WITH ITEM 620 "PAVEMENT MARKING" AS STATED IN THE ILLINOIS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS, ADOPTED APRIL 1, 2012.
- 2. PAVEMENT MARKING WILL BE APPLIED IN TWO APPLICATIONS AT THE LOCATIONS SHOWN ON THE CONSTRUCTION PLANS.
- 3. ANY MATERIAL DELIVERED THAT FAILS TO MEET THE SPECIFICATIONS SHALL BE DISPOSED OF BY THE VENDOR AND IMMEDIATELY REPLACED WITH ACCEPTABLE MATERIAL AT THE VENDOR'S EXPENSE.
- 4. GLASS BEADS SHALL BE APPLIED ON THE SECOND APPLICATION OF THE PAINT.
- 5. CUT-OFF SHEETS WILL BE REQUIRED TO ENSURE STRAIGHT EDGES.
- 6. ANY CLEANING OR REMOVAL REQUIRED WILL BE INCIDENTAL.

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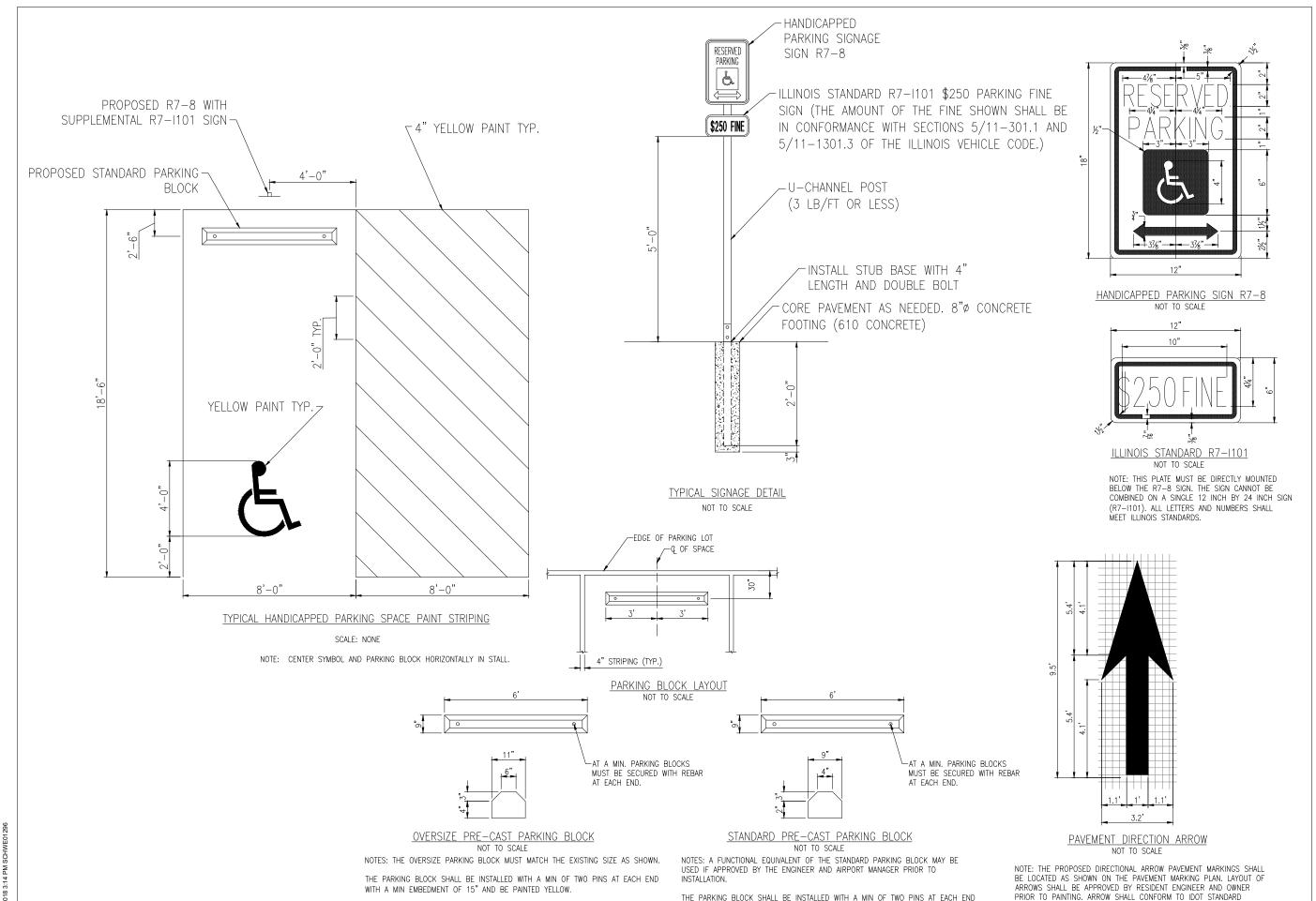
NO.	DATE	DESCRIPTION			
NO.	DATE	DES	DWN	REV	
ISSUE: 11/16/2018					
PROJECT NO: 18A0002					
CAD FILE: C-105-MRK.DWG					

SHEET TITLE

DESIGN BY: MJD
DRAWN BY: MJD
REVIEWED BY: KBS

MARKING PLAN

4" RED PARKING SPACE



WITH A MIN EMBEDMENT OF 15" AND BE PAINTED YELLOW.

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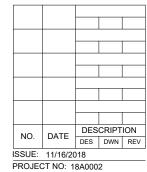


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CAD FILE: C-501-DETL.DWG

DESIGN BY: MJD 10/15/2018

DRAWN BY: MJD 10/15/2018
REVIEWED BY: KBS 11/14/2018

SHEET TITLE

DRAWING NO. 780001 - LARGE ARROW.

MARKING AND SIGN DETAILS

ELECTRICAL LEGEND - ONE-LINE DIAGRAM						
<b>—</b>	CABLE TERMINATOR/LUG					
**	TRANSFORMER					
_	DISCONNECT SWITCH					
 	FUSIBLE DISCONNECT SWITCH					
	CIRCUIT BREAKER					
<u>-</u> }	THERMAL MAGNETIC CIRCUIT BREAKER					
	FUSE					
<b>∔</b>	TRANSIENT VOLTAGE SURGE SUPPRESSOR OR SURGE PROTECTOR DEVICE					
ŧ	GROUND — GROUND ROD, GROUNDING ELECTRODE, OR AT EARTH POTENTIAL					
Ø	INDICATING LIGHT					
W	MOTOR					
<b>(</b>	LOAD, MOTOR, # = HORSEPOWER					
	ELECTRIC UTILITY METER BASE					
0	JUNCTION BOX WITH SPLICE					
xxx	EQUIPMENT, XXX = DEVICE DESCRIPTION					
GND	GROUND BUS OR TERMINAL					
S/N	NEUTRAL BUS					
#	PANELBOARD WITH MAIN LUGS					
	PANELBOARD WITH MAIN BREAKER					
•≪□≫ <del>    </del>	FUSE PANEL WITH MAIN FUSE PULLOUT					
$\oplus$	DUPLEX RECEPTACLE 120V SINGLE PHASE GROUNDING TYPE					
	CONTROL STATION					
N EM	TRANSFER SWITCH					
	ENGINE GENERATOR SET					

	ELECTRICAL LEGEND — SCHEMATIC		
	NORMALLY OPEN (N.O.) CONTACT		
<b>-₩</b> -	NORMALLY CLOSED (N.C.) CONTACT		
§ <b>*</b>	STARTER COIL, * = STARTER NUMBER		
OL OL	OVERLOAD RELAY CONTACT		
(CR+)	CONTROL RELAY, * = CONTROL RELAY NUMBER		
R*)	RELAY, * = RELAY NUMBER		
, ,	TOGGLE SWITCH / 2 POSITION SWITCH		
OFF AUTO	2-POSITION SELECTOR SWITCH		
HAND TAUTO O XOO O OOX	3-POSITION SELECTOR SWITCH (H-O-A SHOWN)		
	2 POLE DISCONNECT SWITCH		
- - -	3 POLE DISCONNECT SWITCH		
<b>*</b>	PHOTOCELL		
	TERMINAL BLOCK, * = TERMINAL NUMBER		
	DEVICE TERMINAL, * = DEVICE TERMINAL NUMBER		
	INTERNAL PANEL WIRING		
	FIELD WIRING		
FUSE			
GND GROUND BUS OR TERMINAL			
S/N NEUTRAL BUS			
<u></u>	GROUND, GROUND ROD, GROUND BUS		
₹	GROOME, GROOME ROE, GROOME BOS		
0 0	Industrial control relay or Lighting contactor		
**************************************	S1 CUTOUT HANDLE REMOVED		
→ 1 → 1 → 1 → 1 → 1 → 1 → 1 → 1 → 1 → 1	S1 CUTOUT HANDLE INSERTED		
₽,	N.O. THERMAL SWITCH		
Ţ	N.C. THERMAL SWITCH		
	L-830 SERIES ISOLATION TRANSFORMER		

	ELECTRICAL ABBREVIATIONS
A.F.F.	ABOVE FINISHED FLOOR
A, AMP	AMPERES
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BKR	BREAKER
С	CONDUIT
СВ	CIRCUIT BREAKER
СКТ	CIRCUIT
CR	CONTROL RELAY
CU	COPPER
DPDT	DOUBLE POLE DOUBLE THROW
DPST	DOUBLE POLE SINGLE THROW
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ENCL	ENCLOSURE
EP	EXPLOSION PROOF
ES	EMERGENCY STOP
ETL	INTERTEK - ELECTRICAL TESTING LABS
ETM	ELAPSE TIME METER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
GND	GROUND
GRSC	GALVANIZED RIGID STEEL CONDUIT
HID	HIGH INTENSITY DISCHARGE
HOA	HAND OFF AUTOMATIC
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
J	JUNCTION BOX
KVA	KILOVOLT AMPERE(S)
KW	KILOWATTS
LC	LIGHTING CONTACTOR
LTFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT (UL LISTED)
LTG	LIGHTING
LP	LIGHTING PANEL
MAX	MAXIMUM
мсв	MAIN CIRCUIT BREAKER
мсм	THOUSAND CIRCULAR MIL
MDP	MAIN DISTRIBUTION PANEL
MFR	MANUFACTURER
МН	METAL HALIDE
MIN	MINIMUM
MLO	MAIN LUGS ONLY
NEC	NATIONAL ELECTRICAL CODE (NFPA 70)
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OHE	OVERHEAD ELECTRIC
OI.	OVERLOAD

OVERLOAD

EL	ECTRICAL ABBREVIATIONS (CONTINUED)
PB	PULL BOX
PC	PHOTO CELL
PDB	POWER DISTRIBUTION BLOCK
PNL	PANEL
RCPT	RECEPTACLE
R	RELAY
S	STARTER
SPD	SURGE PROTECTION DEVICE
SPST	SINGLE POLE SINGLE THROW
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL
UG	UNDERGROUND
UGE	UNDERGROUND ELECTRIC
UL	UNDERWRITER'S LABORATORIES
٧	VOLTS
W/	WITH
<b>w</b> /0	WITHOUT
WP	WEATHER PROOF
XFER	TRANSFER
XFMR	TRANSFORMER

XFMR	TRANSFORMER				
AIRPO	AIRPORT EQUIPMENT/FACILITY ABBREVIATIONS				
ASOS	AUTOMATED SURFACE OBSERVING SYSTEM				
ATCT	AIR TRAFFIC CONTROL TOWER				
AWOS	AUTOMATED WEATHER OBSERVING SYSTEM				
CCR	CONSTANT CURRENT REGULATOR				
DME	DISTANCE MEASURING EQUIPMENT				
FAR	FEDERAL AVIATION REGULATION				
GS	GLIDE SLOPE FACILITY				
HIRL	HIGH INTENSITY RUNWAY LIGHT				
ILS	INSTRUMENT LANDING SYSTEM				
IM INNER MARKER					
LIR	LOW IMPACT-RESISTANT				
LOC	LOCALIZER FACILITY				
MALS	MEDIUM INTENSITY APPROACH LIGHTING SYSTEM				
MALSR	MEDIUM INTENSITY APPROACH LIGHTING SYSTEM WITH RUNWAY ALIGNMENT INDICATING LIGHTS				
MIRL	MEDIUM INTENSITY RUNWAY LIGHT				
MITL	MEDIUM INTENSITY TAXIWAY LIGHT				
NDB	NON-DIRECTIONAL BEACON				
PAPI	PRECISION APPROACH PATH INDICATOR				
PLASI	PULSE LIGHT APPROACH SLOPE INDICATOR				
RAIL	RUNWAY ALIGNMENT INDICATING LIGHTS				
REIL	RUNWAY END IDENTIFIER LIGHT				
RVR	RUNWAY VISUAL RANGE				
VADI	VISUAL APPROACH DESCENT INDICATOR				
VASI	VISUAL APPROACH SLOPE INDICATOR				
VOR	VERY HIGH FREQUENCY OMNIDIRECTIONAL RANGE FACILITY				
WC	WIND CONE				

# NOTES:

- 1. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN CONFORMANCE WITH NFPA 70 - NATIONAL ELECTRICAL CODE (NEC) MOST CURRENT ISSUE IN FORCE, THE RESPECTIVE EQUIPMENT MANUFACTURER'S DIRECTIONS AND ALL OTHER APPLICABLE LOCAL CODES, LAWS, ORDINANCES, AND REQUIREMENTS IN FORCE. ANY INSTALLATIONS WHICH VOID THE U.L. LISTING, INTERTEK TESTING SERVICES VERIFICATION/ETL LISTING (OR OTHER THIRD PARTY LISTING) AND/OR THE MANUFACTURER'S WARRANTY OF A DEVICE WILL NOT BE
- 2. CONTRACTOR SHALL KEEP A COPY OF THE LATEST NEC IN FORCE ON SITE AT ALL TIMES DURING/CONSTRUCTION FOR USE AS A
- 3. ALL WORK, POWER OUTAGES, AND/OR SHUT DOWN OF EXISTING SYSTEMS SHALL BE COORDINATED WITH THE AIRPORT DIRECTOR/MANAGER. ONCE SHUT DOWN, THE CIRCUITS SHALL BE LABELED AS SUCH TO PREVENT ACCIDENTAL ENERGIZING OF THE RESPECTIVE CIRCUITS. ALL PERSONNEL SHALL FOLLOW U.S. DEPARTMENT OF LABOR OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) 29 CFR PART 1910 OCCUPATIONAL SAFETY & HEALTH STANDARDS FOR ELECTRICAL SAFETY AND LOCKOUT/TAGOUT PROCEDURES INCLUDING, BUT NOT LIMITED TO, 29 CFR SECTION 1910.147 THE CONTROL OF HAZARDOUS ENERGY (LOCKOUT/TAGOUT).
- CONTRACTOR SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF NFPA 70E- STANDARD FOR ELECTRICAL SAFETY IN THE WORKPLACE.
- 5. SEE RESPECTIVE SITE PLANS FOR SITE LEGEND INFORMATION.
- CONTRACTOR SHALL FIELD VERIFY EXISTING SITE CONDITIONS. CONTRACTOR SHALL FIELD VERIFY RESPECTIVE CIRCUITS AND POWER SOURCES PRIOR TO REMOVING, DISCONNECTING, RELOCATING, ADJUSTING, WORKING ON, INSTALLING, OR CONNECTING THE RESPECTIVE EQUIPMENT OR OTHER DEVICE.
- 7. HIGH VOLTAGE CIRCUITS (AIRFIELD LIGHTING 5000 VOLT SERIES CIRCUITS AND OTHER CIRCUITS RATED ABOVE 600 VOLTS) AND LOW VOLTAGE CIRCUITS (RATED 600 VOLTS AND BELOW) SHALL NOT BE INSTALLED IN THE SAME WIREWAY, CONDUIT, DÚCT, RACEWAY, JUNCTION STRUCTURE OR HANDHOLE.



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Decatur Park District Decatur Park District
Decatur Airport
910 South Airport Road
Decatur, IL 62521

REHABILITATE NORTH **TERMINAL AUTOMOBILE PARKING** AREA

IDA No: DEC-4623

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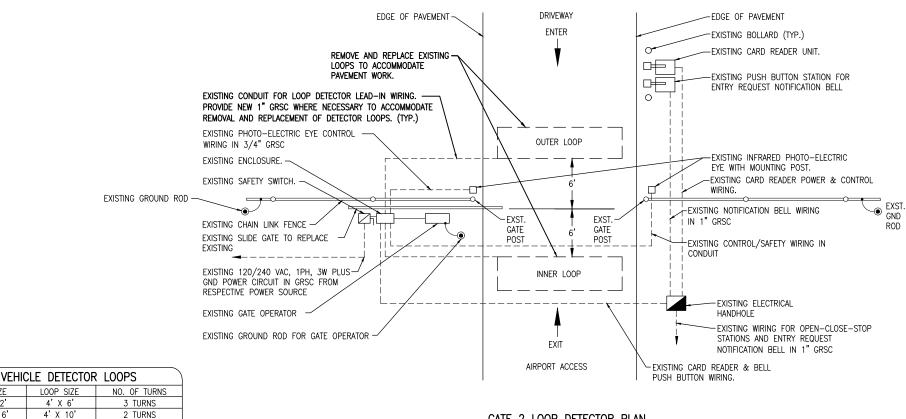
NO. DATE DES DWN REV ISSUE: 11/16/2018 PROJECT NO: 18A0002

CAD FILE: E-001-LGND.DWG DESIGN BY: KNL 9/26/2018

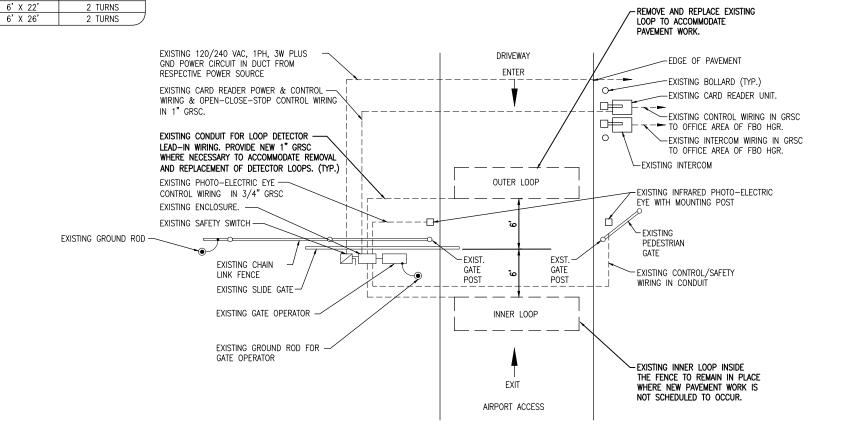
DRAWN BY: CWS 9/28/2018 REVIEWED BY:

SHEET TITLE

**ELECTRICAL LEGEND** AND ABBREVIATIONS



GATE 2 LOOP DETECTOR PLAN



GATE 3 LOOP DETECTOR PLAN "NOT TO SCALE

# LOOP DETECTOR NOTES

- CONTRACTOR SHALL TEST THE EXISTING GATE OPERATORS AND DETECTOR LOOPS TO CONFIRM PROPER OPERATION PRIOR TO ANY REMOVAL WORK OR OTHER WORK THAT MIGHT POSSIBLY AFFECT THE GATE OPERATORS AND/OR DETECTOR LOOPS. CONTRACTOR SHALL REPORT ANY CONCERNS OR CONDITIONS WHERE EQUIPMENT IS OBSERVED TO NOT OPERATE PROPERLY TO THE RESIDENT ENGINEER/TECHNICIAN AND THE AIRPORT DIRECTOR.
- THE REPLACEMENT DETECTOR LOOPS SHALL PROPERLY OPERATE THE RESPECTIVE GATE OPERATOR IN THE SAME MANNER AS THE EXISTING DETECTOR LOOPS FUNCTION UNDER PROPER OPERATION.
- DETECTOR LOOP WIRES AND SEALER SHALL CONFORM TO THE REQUIREMENTS ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 1079 DETECTOR LOOP.
- 4. NEW LOOP DETECTOR WIRING SHALL BE COMPATIBLE WITH THE EXISTING DETECTOR AMPLIFIERS. INDUCTION LOOPS SHALL BE INSTALLED IN SAW CUT GROOVES CREATED BY THE CONTRACTOR IN THE ROAD SURFACE; SUCH GROOVES OF LENGTH, WIDTH, AND DEPTH AS REQUIRED BY THE MANUFACTURER OF THE LOOP CONTROL EQUIPMENT. LOOP DETECTOR WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE RESPECTIVE GATE OPERATOR AND/OR LOOP DETECTOR MANUFACTURER INSTRUCTIONS. CONTRACTOR SHALL SAW CUT APPROXIMATELY 6" MINIMUM DEPTH AT THE PAVEMENT EDGE SUCH THAT THE CONDUIT FOR THE LOOP DETECTOR LEAD-IN WIRING WILL NOT BE LESS THAN 6" BELOW GRADE AT THE INTERFACE POINT TO THE PAVEMENT. LOOP WIRES SHALL BE HELD IN PLACE IN THE BITUMINOUS/CONCRETE PAVEMENT BY COMPLETELY BACKFILLING AND COVERING SLOT WITH A SEALER RATED SUITABLE FOR THE RESPECTIVE APPLICATION. SEALER SHALL CONFORM TO THE REQUIREMENTS ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 1079 DETECTOR LOOP.
- 5. REMOVAL AND REPLACEMENT OF DETECTOR LOOPS FOR BOTH ELECTRIC SLIDE GATES (GATE 2; NORTH T-HANGAR ACCESS GATE, AND GATE 3: LOCATED BY THE AIR TRAFFIC CONTROL TOWER) WILL BE PAID FOR UNDER ITEM AR162570 DETECTOR LOOP PER LUMP SUM. SEE SPECIAL PROVISION SPECIFICATIONS ITEM AR162570 DETECTOR LOOP FOR ADDITIONAL INFORMATION

THE LOCATION, SIZE, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND AND/OR ABOVEGROUND UTILITIES INDICATED ON THE PLANS ARE NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO THE ACCURACY. COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE OWNER'S REPRESENTATIVE AND/OR THE RESIDENT ENGINEER/TECHNICIAN SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY DAMAGE TO SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT

ALL UTILITY CABLES AND LINES SHALL BE LOCATED BY THE RESPECTIVE UTILITY. CONTACT JULIE (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS) FOR UTILITY INFORMATION, PHONE: 1-800-892-0123. CONTACT THE FAA (FEDERAL AVIATION ADMINISTRATION) FOR ASSISTANCE IN LOCATING FAA CABLES AND UTILITIES. LOCATION OF FAA POWER, CONTROL, AND COMMUNICATION CABLES SHALL BE COORDINATED WITH AND/OR LOCATED BY THE FAA. ALSO CONTACT AIRPORT DIRECTOR/MANAGER AND AIRPORT PERSONNEL FOR ASSISTANCE IN LOCATING UNDERGROUND AIRPORT CABLES AND/OR UTILITIES. ALSO COORDINATE WORK WITH ALL ABOVEGROUND UTILITIES.



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IDA No: DEC-4623

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	NO.	DATE	DESCRIPTION		
			DES	DWN	REV
ISSUE: 11/16/2018					
PROJECT NO: 18A0002					
CAD FILE: E-501-ELEC.DWG					

DESIGN BY: KNL 09/26/2018 DRAWN BY: CWS 09/28/2018

REVIEWED BY: SHEET TITLE

**DETAILS** 

**DETECTOR LOOP** 

GATE SIZE

8' TO 12'

12' TO 16'

16' TO 20

20' TO 24'

24' TO 30'

30' TO 34'

LOOP SIZE

4' X 6'

4' X 10

4' X 14'

4' X 18

2 TURNS

2 TURNS

2 TURNS

<u>DIAGRAM FOR GATE #2 OPERATOR</u>
(NORTH T-HANGAR ACCESS)

# <u>NOTES</u>

- 1. ALL WORK, POWER OUTAGES, AND/OR SHUT DOWN OF EXISTING SYSTEMS SHALL BE COORDINATED WITH THE AIRPORT DIRECTOR/MANAGER. ONCE SHUT DOWN, THE CIRCUITS SHALL BE LABELED AS SUCH TO PREVENT ACCIDENTAL ENERGIZING OF THE RESPECTIVE CIRCUITS. ALL PERSONNEL SHALL FOLLOW U.S. DEPARTMENT OF LABOR OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) 29 CFR PART 1910 OCCUPATIONAL SAFETY & HEALTH STANDARDS FOR ELECTRICAL SAFETY AND LOCKOUT/TAGOUT PROCEDURES INCLUDING, BUT NOT LIMITED TO, 29 CFR SECTION 1910.147 THE CONTROL OF HAZARDOUS ENERGY (LOCKOUT/TAGOUT).
- CONTRACTOR SHALL EXAMINE THE SITE TO CONFIRM AND FIELD VERIFY EXISTING SITE CONDITIONS.
- 3. ALL ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN CONFORMANCE WITH NFPA 70 NATIONAL ELECTRIC CODE (NEC) MOST CURRENT ISSUE IN FORCE, THE RESPECTIVE EQUIPMENT MANUFACTURER'S DIRECTIONS AND ALL OTHER APPLICABLE LOCAL CODES, LAWS, ORDINANCES, AND REQUIREMENTS IN FORCE. ANY INSTALLATIONS WHICH VOID THE U.L. LISTING, INTERTEK TESTING SERVICES VERIFICATION/ETL LISTING (OR OTHER THIRD PARTY LISTING) AND/OR MANUFACTURER'S WARRANTY OF A DEVICE WILL NOT BE PERMITTED.
- CONTRACTOR SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE NFPA 70E - STANDARD FOR ELECTRICAL SAFETY IN THE WORKPLACE.
- TEST EXISTING GATE OPERATOR SYSTEM IN PRESENCE OF AIRPORT DIRECTOR AND/OR RESIDENT ENGINEER/RESIDENT TECHNICIAN TO CONFIRM PROPER OPERATION PRIOR TO ANY REMOVAL WORK, MODIFICATIONS OR OTHER WORK THAT MIGHT POSSIBLY AFFECT THE GATE OPERATOR AND/OR DETECTOR LOOPS.
- . EXISTING SAFETY/DETECTOR LOOPS FOR THE RESPECTIVE GATES SHALL BE REMOVED AND REPLACED WITH NEW DETECTOR LOOPS TO ACCOMMODATE THE ASSOCIATED PAVING WORK. REPLACEMENT OF DETECTOR LOOPS WILL BE PAID FOR UNDER ITEM AR162570 DETECTOR LOOP PER LUMP SUM.

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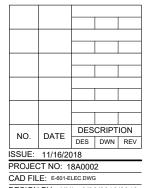


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DRAWN BY: CWS 09/28/2018

REVIEWED BY:

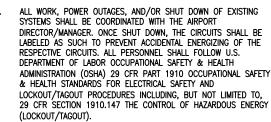
SHEET TITLE

EXISTING GATE 2 ELECTRICAL

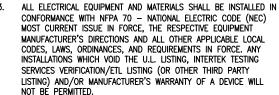
ONE-LINE

- DIRECTOR/MANAGER. ONCE SHUT DOWN, THE CIRCUITS SHALL BE LABELED AS SUCH TO PREVENT ACCIDENTAL ENERGIZING OF THE RESPECTIVE CIRCUITS, ALL PERSONNEL SHALL FOLLOW U.S. DEPARTMENT OF LABOR OCCUPATIONAL SAFETY & HEALTH & HEALTH STANDARDS FOR ELECTRICAL SAFETY AND LOCKOUT/TAGOUT PROCEDURES INCLUDING, BUT NOT LIMITED TO, (LOCKOUT/TAGOUT).
- CONFORMANCE WITH NFPA 70 NATIONAL ELECTRIC CODE (NEC) MOST CURRENT ISSUE IN FORCE, THE RESPECTIVE EQUIPMENT MANUFACTURER'S DIRECTIONS AND ALL OTHER APPLICABLE LOCAL CODES, LAWS, ORDINANCES, AND REQUIREMENTS IN FORCE. ANY INSTALLATIONS WHICH VOID THE U.L. LISTING, INTERTEK TESTING SERVICES VERIFICATION/ETL LISTING (OR OTHER THIRD PARTY LISTING) AND/OR MANUFACTURER'S WARRANTY OF A DEVICE WILL NOT BÉ PERMITTED.
- EXISTING SAFETY/DETECTOR LOOPS FOR THE RESPECTIVE GATES SHALL BE REMOVED AND REPLACED WITH NEW DETECTOR LOOPS TO ACCOMMODATE THE ASSOCIATED PAVING WORK, REPLACEMENT OF DETECTOR LOOPS WILL BE PAID FOR UNDER ITEM AR162570 DETECTOR LOOP PER LUMP SUM.









CONTRACTOR SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE NFPA 70E - STANDARD FOR ELECTRICAL SAFETY IN THE

TEST EXISTING GATE OPERATOR SYSTEM IN PRESENCE OF AIRPORT DIRECTOR AND/OR RESIDENT ENGINEER/RESIDENT TECHNICIAN TO CONFIRM PROPER OPERATION PRIOR TO ANY REMOVAL WORK. MODIFICATIONS OR OTHER WORK THAT MIGHT POSSIBLY AFFECT THE GATE OPERATOR AND/OR DETECTOR LOOPS.

Professional Service Corporation #184-001084 decatur AIRPORT

www hanson-inc com

1525 S. 6th Street Springfield, IL 62703

fax: 217-788-2503

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Hanson Professional Services Inc.

Decatur Park District Decatur Airport 910 South Airport Road Decatur, IL 62521

REHABILITATE NORTH **TERMINAL AUTOMOBILE PARKING AREA** 

IDA No: DEC-4623

Contract No. DE080

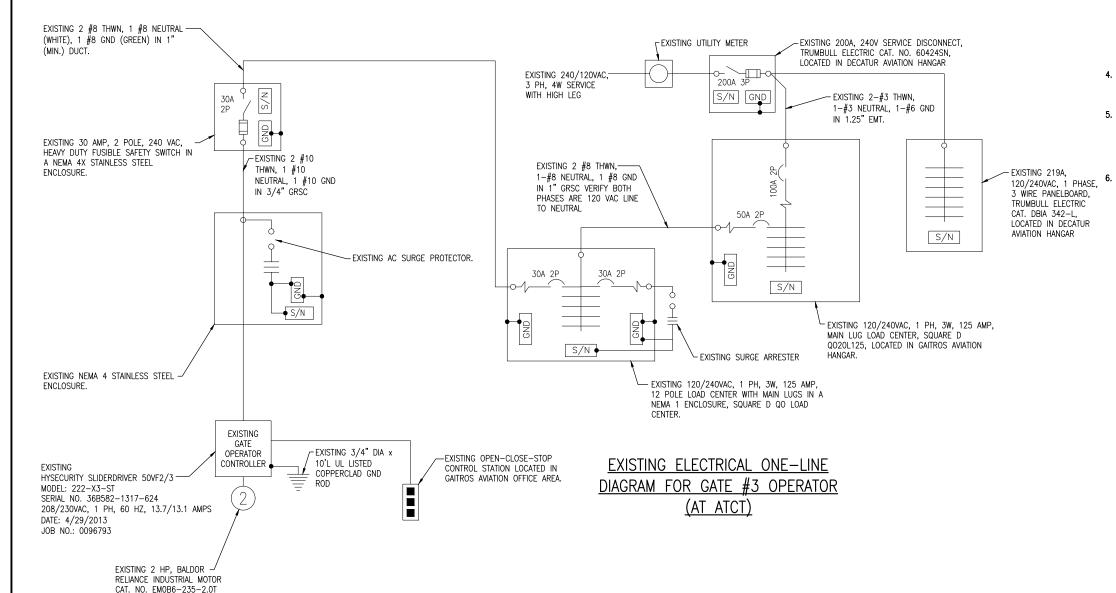
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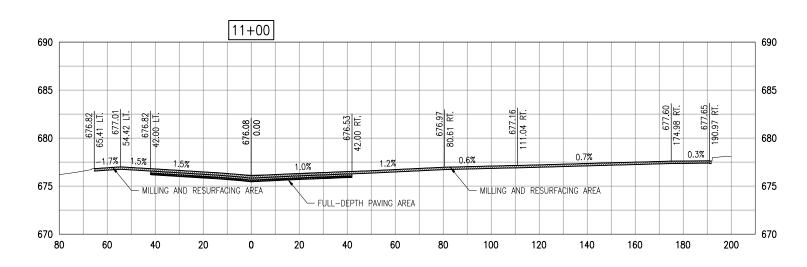
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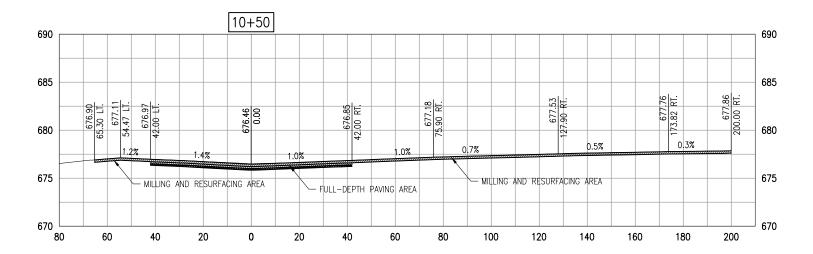
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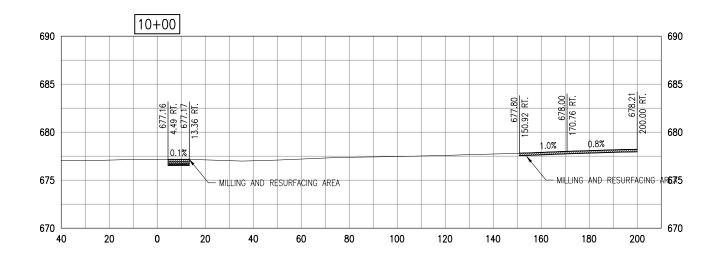
SHEET TITLE

**EXISTING GATE 3 ELECTRICAL** ONE-LINE











Offices Nationwide www.hanson-inc.com

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Illinois Licensed Professional Service Corporation #184-001084



Decatur Park District Decatur Airport 910 South Airport Road Decatur, IL 62521

REHABILITATE NORTH TERMINAL AUTOMOBILE PARKING AREA

IDA No: DEC-4623

Contract No. DE080



CAD FILE: C-601-XSEC.DWG
DESIGN BY: JAP

DESIGN BY: JAP
DRAWN BY: JAP

REVIEWED BY: KBS 10/18/18

SHEET TITLE

PROPOSED CROSS SECTIONS STA 10+00 TO 11+50



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Professional Service Corporation #184-001084

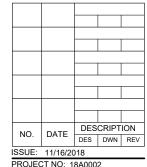


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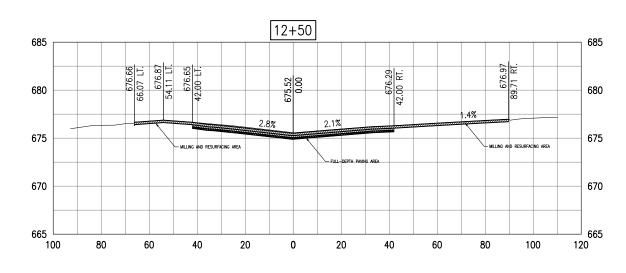
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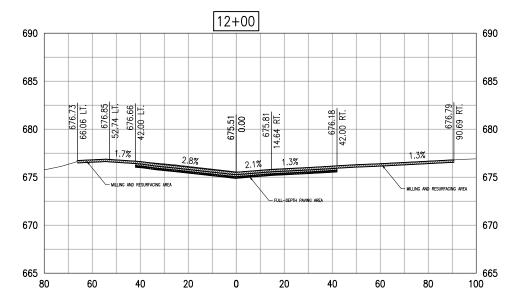
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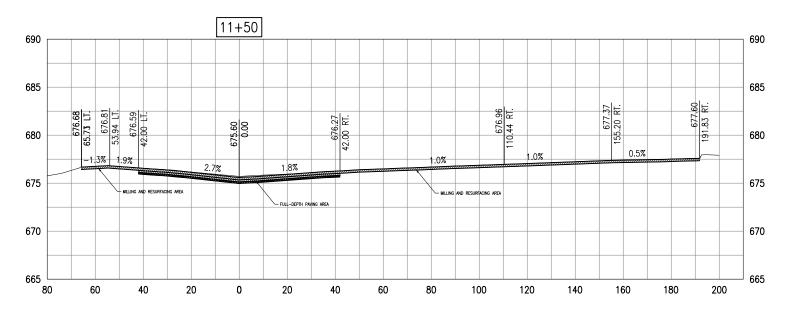
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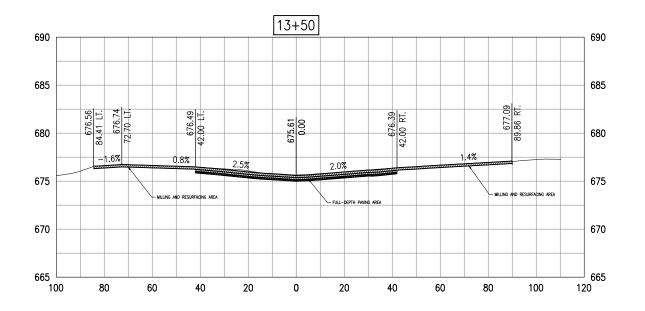
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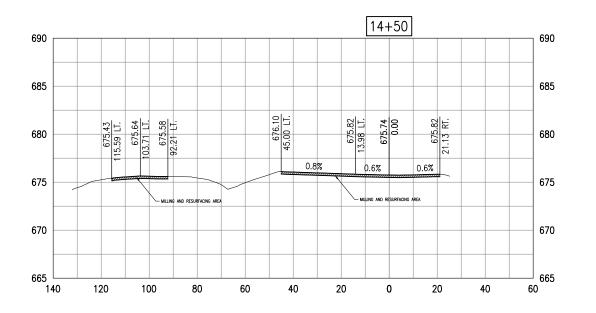
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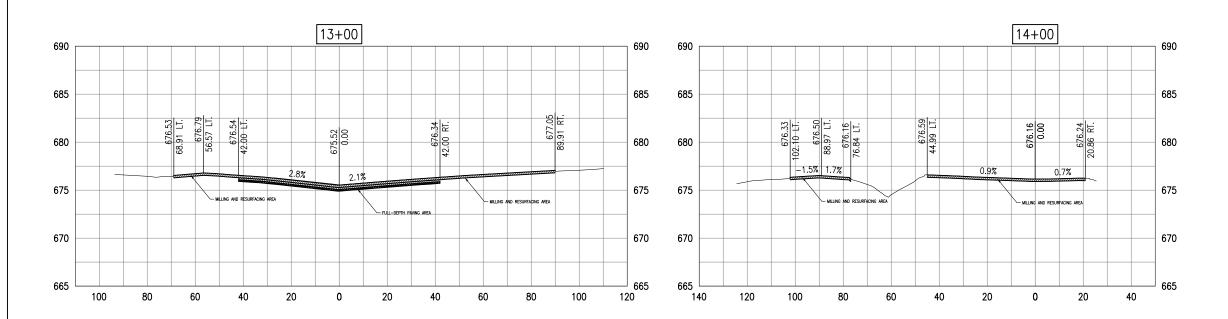














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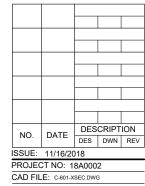


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Contract No. DE080



DESIGN BY: JAP

DRAWN BY: JAP

REVIEWED BY: KBS 10/18/18

SHEET TITLE

PROPOSED CROSS SECTIONS STA 14+00 TO 14+50