

LETTING ITEM NO. 03A

LETTING DATE: 03/08/2019

TOTAL SHEETS: 25

CE036

CONSTRUCTION PLANS FOR CITY OF CENTRALIA, ILLINOIS

CENTRALIA MUNICIPAL AIRPORT CENTRALIA, ILLINOIS

IL. PROJ. NO. ENL 4661 AIP PROJ. NO. 3-17-SBGP-144

CONSTRUCT ACCESS TAXIWAY TO RUNWAY 9

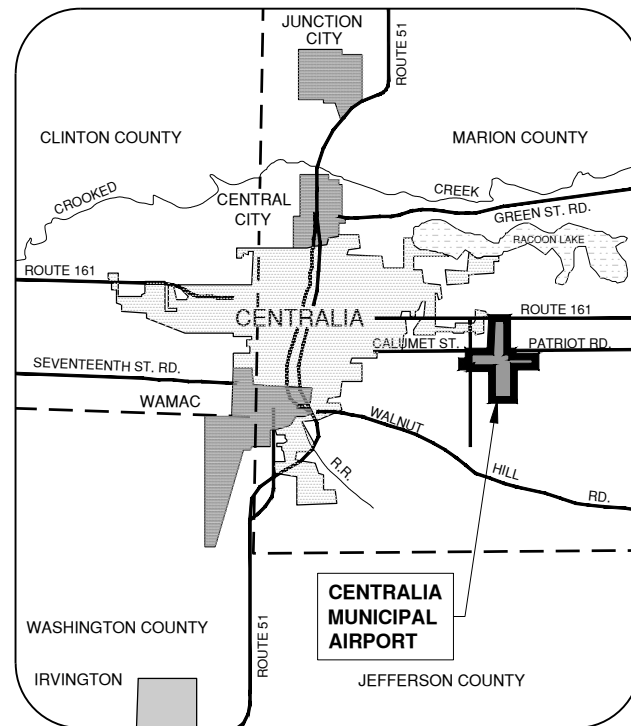
MAX EQUIPMENT HEIGHT IS 25'
CENTRALIA UNICOM FREQUENCY
IS 122.8 MHz

DESIGN INFORMATION

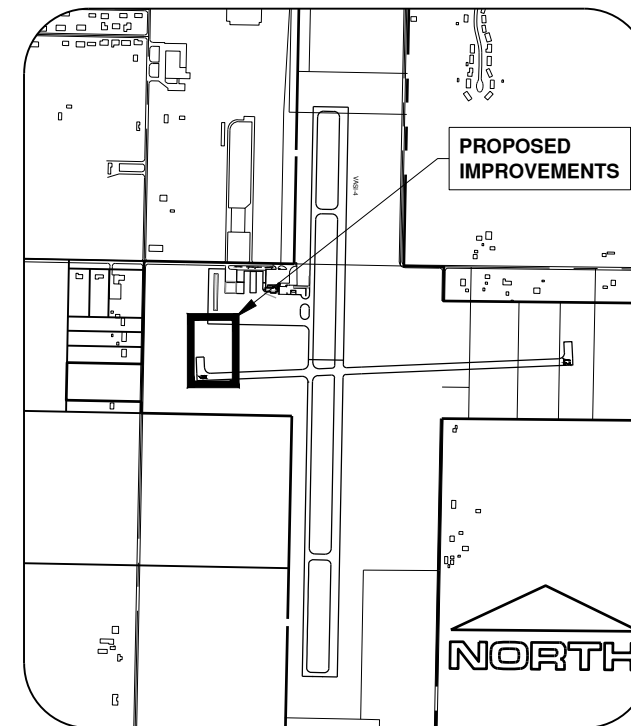
RUNWAY 9/27
AIRPLANE DESIGN GROUP 1
AIRPLANE APPROACH CATEGORY A
RUNWAY SAFETY AREA (RSA) WIDTH = 120'
RUNWAY OBJECT FREE ZONE (ROFZ) WIDTH = 250'
RUNWAY OBJECT FREE AREA (ROFA) WIDTH = 400'

CONNECTING TAXIWAY
AIRPLANE DESIGN GROUP 1
TAXIWAY SAFETY AREA (TSA) WIDTH = 40'
TAXIWAY OBJECT FREE AREA (TOFA) WIDTH = 80'

JANUARY 11, 2019



LOCATION MAP



SITE PLAN

MAX EQUIPMENT HEIGHT IS 25'
CENTRALIA UNICOM FREQUENCY
IS 122.8 MHz



CENTRALIA MUNICIPAL AIRPORT
CENTRALIA, ILLINOIS

APPROVED *Dan Barry*

DATE *01/16/19*



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SUBMITTED BY *Christopher B. Groth*

DATE *January 21, 2019*

CMT JOB NUMBER: 17072-02-00



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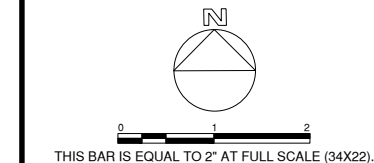
THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND 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 ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

CALL 911 IN THE EVENT IN WHICH DAMAGE RESULTS IN THE RELEASE OF NATURAL GAS.

CALL J.U.L.I.E.
BEFORE EXCAVATING
1-800-892-0123

TOWNSHIP: T. 1 N.
RANGE: R. 1 E.
SECTION: 21
COUNTY: MARION
CIVIL TOWNSHIP: CENTRALIA

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FILE: 1707202-CI001.dwg
UPDATE BY: Chris Groth
PLOT DATE: 1/25/2019 8:23 AM



CE036

JANUARY 11, 2019

CONSTRUCT ACCESS TAXIWAY
TO RUNWAY 9

OWNER



CENTRALIA MUNICIPAL AIRPORT
CITY OF CENTRALIA, ILLINOIS
CENTRALIA, ILLINOIS

MARK	DATE	DESCRIPTION

AIP PROJ. NO. 3-17-SBGP-144

IL PROJ. NO. ENL 4661

CMT PROJECT NO: 17072-02-00

CAD DWG FILE: 1707202-GI002.DWG

DESIGNED BY: AJJ

DRAWN BY: DPA

CHECKED BY: RLV

APPROVED BY: CBG

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SHEET TITLE

**SUMMARY OF
QUANTITIES & INDEX
OF SHEETS**

G1002
SHEET 2 OF 25

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT
AR108158	1/C #8 5 KV UG CABLE IN UD	1520	LF
AR108706	1/C #6 COUNTERPOISE	1280	LF
AR110502	2-WAY CONCRETE ENCASED DUCT	35	LF
AR110900	REMOVE DUCT	45	LF
AR125411	MITL-STAKE MOUNTED-LED	23	EA
AR125416	MITL-BASE MOUNTED-LED	6	EA
AR125901	REMOVE STAKE MOUNTED LIGHT	9	EA
AR125902	REMOVE BASE MOUNTED LIGHT	1	EA
AR125964	RELOCATE TAXI GUIDANCE SIGN	1	EA
AR150510	ENGINEER'S FIELD OFFICE	1	LS
AR152410	UNCLASSIFIED EXCAVATION	700	CY
AR152511	SUBGRADE REPAIR	1450	SY
AR156510	SILT FENCE	730	LF
AR156511	DITCH CHECK	4	EA
AR156520	INLET PROTECTION	4	EA
AR209606	CRUSHED AGG. BASE COURSE - 6"	1450	SY
AR401613	BIT. SURF. CSE. - METHOD 1, SUPERPAVE	170	TON
AR403613	BIT. BASE CSE. - METHOD 1, SUPERPAVE	170	TON
AR401921	REMOVE PAVEMENT	800	SY
AR602510	BITUMINOUS PRIME COAT	740	GAL
AR603510	BITUMINOUS TACK COAT	215	GAL
AR620520	PAVEMENT MARKING - WATERBORNE	430	SF
AR620525	PAVEMENT MARKING - BLACK BORDER	900	SF
AR620900	PAVEMENT MARKING REMOVAL	490	SF
AR701208	8" CMP	100	LF
AR701900	REMOVE PIPE	40	LF
AR705524	4" PERFORATED UNDERDRAIN W/ SOCK	150	LF
AR705645	UNDERDRAIN CONNECTION	2	EA
AR705900	REMOVE UNDERDRAIN	170	LF
AR705904	REMOVE UNDERDRAIN CLEANOUT	1	EA
AR752208	METAL END SECTION 8"	4	EA
AR752960	RELOCATE END SECTION	1	EA
AR901510	SEEDING	1.5	AC
AR908510	MULCHING	1.2	AC
AR908525	KNITTED STRAW MAT	160	SY

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2	GI002	SUMMARY OF QUANTITIES & INDEX OF SHEETS
3	GI100	AIRPORT SITE PLAN
4	GI101	GENERAL NOTES
5	GC001	CONSTRUCTION ACTIVITY PLAN NOTES & DETAILS
6	GC100	CONSTRUCTION ACTIVITY SITE PLAN INDEX
7	GC101	CONSTRUCTION ACTIVITY PLAN
8	CD100	EXISTING CONDITIONS AND REMOVALS
9	CP101	PROPOSED IMPROVEMENTS
10	CP102	STAKING PLAN - CONNECTING TAXIWAY
11	CS701	PLAN AND PROFILE
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16	EL501	ELECTRICAL DETAILS 1
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18	EL504	DUCT BANK DETAILS
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21	LE102	EROSION CONTROL DETAILS
22	CG701	CROSS SECTIONS 1
23	CG702	CROSS SECTIONS 2
24	CG703	CROSS SECTIONS 3
25	CG704	CROSS SECTIONS 4

GENERAL

- 1. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL FOLLOW THE REQUIREMENTS OF THE AIRPORT'S APPROVED CONSTRUCTION SAFETY AND PHASING PLAN (CSPP), FAA AC 150/5370-2G (LATEST EDITION) AND ALL AIRPORT SAFETY AND SECURITY REQUIREMENTS.
- 2.
- 3. PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE AIRPORT FOR APPROVAL A SAFETY PLAN COMPLIANCE DOCUMENT (SPCD) IN ACCORDANCE WITH FAA AC 150/5370-2G. NO CONSTRUCTION ACTIVITY SHALL BEGIN UNTIL THE AIRPORT HAS APPROVED THE SPCD.
- 4. THE CSPP COVERS OPERATIONAL SAFETY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INDIVIDUAL SAFETY OF HIS/HER PERSONNEL.
- 5. A MINIMUM OF 10 DAYS PRIOR TO THE NOTICE TO PROCEED, THE CONTRACTOR SHALL PROVIDE A LIST OF SUBCONTRACTORS AND MATERIAL SUPPLIERS.
- 6. PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL SIGN THE SWPPP CERTIFICATION STATEMENT, IF APPLICABLE.
- 7. ALL CONTRACTOR COSTS ASSOCIATED WITH THE REQUIREMENTS LISTED ON THIS SHEET SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT UNLESS A SPECIFIC PAY ITEM IS PROVIDED.

A. COORDINATION

- 1. PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL ATTEND A PRECONSTRUCTION CONFERENCE WITH THE AIRPORT, RESIDENT ENGINEER, AND ILLINOIS DIVISION OF AERONAUTICS (IDA). THE COST OF PREPARING FOR AND ATTENDING THE PRECONSTRUCTION CONFERENCE SHALL BE INCIDENTAL TO THE CONTRACT.
- 2. DURING OR BEFORE THE PRECONSTRUCTION CONFERENCE, THE CONTRACTOR SHALL SUBMIT A PROPOSED SCHEDULE FOR THE PROJECT. THE SCHEDULE SHALL INCLUDE A START AND COMPLETION DATE FOR EACH ITEM OF WORK. THE SCHEDULE SHALL BE UPDATED ON A WEEKLY BASIS. ALL COSTS ASSOCIATED WITH THE SCHEDULE SHALL BE INCIDENTAL TO THE CONTRACT.
- 3. DURING CONSTRUCTION THE CONTRACTOR SHALL ATTEND A WEEKLY COORDINATION MEETING WITH THE AIRPORT STAFF AND RESIDENT ENGINEER. ALL COSTS ASSOCIATED WITH ATTENDING THE WEEKLY MEETING SHALL BE INCIDENTAL TO THE CONTRACT.

B. PHASING

- 1. PHASING SHALL BE AS NOTED BELOW AND AS SHOWN ON THE CONSTRUCTION ACTIVITY PLAN (CAP) SHEETS.
- 2. PHASING WILL BE ONE WORKING AREA AND SHALL CONSIST OF 48 CALENDAR DAYS.

C. AREAS AND OPERATIONS AFFECTED BY THE CONSTRUCTION ACTIVITY

- 1. ALL RUNWAYS, TAXIWAYS AND APRONS SHALL BE KEPT OPEN TO AIRCRAFT TRAFFIC DURING CONSTRUCTION EXCEPT AS NOTED ON THE PHASING PLAN.
- 2. WHEN CONFLICTS ARISE BETWEEN CONSTRUCTION ACTIVITIES AND AIRCRAFT OPERATIONS AND SAFETY, AIRCRAFT OPERATIONS AND SAFETY SHALL TAKE PRECEDENCE AND SHALL GOVERN. FINAL AUTHORITY IN THE APPROVAL OF CONSTRUCTION SEQUENCING LIES WITH THE AIRPORT.
- 3. ALL CONSTRUCTION TRAFFIC SHALL IMMEDIATELY YIELD TO ONCOMING AIRCRAFT AT ALL TIMES.

D. CONTRACTOR ACCESS

- 1. CONTRACTOR ACCESS SHALL BE AS NOTED BELOW AND AS SHOWN ON THE SITE PLAN AND CONSTRUCTION ACTIVITY PLAN SHEETS.
- 2. THE CONTRACTOR IS TO ACCESS THE SITE USING THE MANUAL GATE SHOWN.
- 3. DRIVERS OF TRUCKS CONTAINING MATERIAL DELIVERIES (AGGREGATE, ASPHALT, ETC.) NEED NOT OBTAIN AN AIRPORT ID BADGE BUT SHALL BE REQUIRED TO SUBMIT THEIR NAME, DRIVER'S LICENSE NUMBER, TRUCK LICENSE PLATE NUMBER AND NAME OF TRUCKING COMPANY TO THE PRIME CONTRACTOR PRIOR TO ENTERING THE JOBSITE.
- 4. CONTRACTOR WORK CREWS MUST MONITOR THE UNICOM FREQUENCY AT ALL TIMES. THE CONTRACTOR SHALL SUPPLY ALL APPROPRIATE RADIOS NEEDED FOR COMMUNICATIONS. BE AWARE OF TENANT AIRCRAFT MOVEMENT NEAR THE WORK AREAS.
- 5. THE CONTRACTOR SHALL KEEP A RECORD OF THE NAMES OF ALL EMPLOYEES ENTERING THE JOB SITE ON A DAILY BASIS. A RECORD OF EACH SUBCONTRACTOR ENTERING THE JOB SITE SHALL ALSO BE KEPT BY THE CONTRACTOR.
- 6. WHEN THE CONTRACTOR IS NOT WORKING, EQUIPMENT SHALL BE STORED AT THE STAGING AREA.
- 7. THE CONTRACTOR WILL BE PERMITTED TO STORE EQUIPMENT AND MATERIALS ONLY AT THE LOCATIONS SHOWN IN THE CONSTRUCTION ACTIVITY PLAN. PARKED EQUIPMENT AND MATERIAL STOCKPILES SHALL NOT PENETRATE SURFACES DEFINED BY F.A.R. TITLE 14 PART 77 - OBJECTS AFFECTING NAVIGABLE AIRSPACE.
- 8. THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL CONSTRUCTION AREAS AND HAUL ROUTES WHICH WILL BE OPENED TO AIR TRAFFIC TO THE SATISFACTION OF THE AIRPORT. A POWER BROOM AND OPERATOR SHALL BE ON SITE AT ALL TIMES WHEN ACTIVE PAVEMENTS ARE UTILIZED FOR CONSTRUCTION TRAFFIC.
- 9. ALL PAVEMENTS, DRIVES OR ANY OTHER AREAS UTILIZED BY THE CONTRACTOR FOR HAUL ROADS OR STORAGE AREAS SHALL BE MAINTAINED AND REPAIRED TO THE SAME CONDITION OR BETTER THAN THEY WERE PRIOR TO BEGINNING CONSTRUCTION. NO ADDITIONAL COMPENSATION WILL BE MADE TO THE CONTRACTOR FOR THIS WORK.
- 10. ALL VEHICLE AND EQUIPMENT OPERATORS USED BY THE CONTRACTOR SHALL BE PROPERLY TRAINED BY THE CONTRACTOR.

E. WILDLIFE MANAGEMENT

- 1. THE CONTRACTOR SHALL NOTIFY AIRPORT OR THE RESIDENT ENGINEER IF ANY WILDLIFE IS SEEN ENTERING THE AIRPORT.
- 2. CONTRACTOR ACCESS GATES SHALL REMAIN CLOSED WHEN THE CONTRACTOR IS NOT WORKING.
- 3. THE CONTRACTOR SHALL DISPOSE OF ALL TRASH INCLUDING FOOD SCRAPS IN APPROVED CONTRACTOR-PROVIDED CONTAINERS.

F. FOREIGN OBJECT DEBRIS (FOD) MANAGEMENT

- 1. THE CONTRACTOR SHALL PICK UP ANY FOREIGN OBJECT DEBRIS (FOD) SEEN ON THE AIRFIELD PAVEMENTS.
- 2. THE CONTRACTOR SHALL SECURE ALL LOOSE ITEMS FROM VEHICLES PRIOR TO DRIVING ON AIRFIELD PAVEMENTS.

G. HAZARDOUS MATERIALS (HAZMAT) MANAGEMENT

- 1. THE CONTRACTOR SHALL DEVELOP A HAZMAT MANAGEMENT PLAN AND KEEP COPIES ON THE JOBSITE OF MATERIAL SAFETY DATA SHEETS (MSDS) FOR ALL MATERIALS HANDLED ON THE JOBSITE.

H. NOTIFICATION OF CONSTRUCTION ACTIVITIES

- 1. THE CONTRACTOR SHALL PROVIDE A 24-HOUR EMERGENCY CONTACT PERSON AND PHONE NUMBER.
- 2. THE CONTRACTOR SHALL GIVE A MINIMUM OF 72-HOURS NOTICE TO AIRPORT OPERATIONS PRIOR TO CLOSING ANY PAVEMENTS SO THAT PROPER NOTAMS MAY BE ISSUED BY THE AIRPORT.
- 3. THE CONTRACTOR SHALL NOTIFY THE AIRPORT 7 DAYS BEFORE STARTING WORK IN EACH PHASE. THIS WILL ENSURE THAT THE AIRPORT CAN CONTACT TENANTS ABOUT MOVING AIRCRAFT DURING THE TIME OF CONSTRUCTION.
- 4. FOR ANY EQUIPMENT USED BY THE CONTRACTOR WITH A HEIGHT GREATER THAN 25', THE CONTRACTOR SHALL PROVIDE TO THE AIRPORT THE TYPE OF EQUIPMENT, TOTAL HEIGHT, AND LOCATION WHERE THE EQUIPMENT WILL BE USED. THE AIRPORT WILL SUBMIT FAA FORM 7460-1 TO THE FAA FOR AN AIRSPACE STUDY. NO EQUIPMENT WITH A HEIGHT GREATER THAN 25' SHALL BE USED UNTIL A DETERMINATION FROM FAA IS RECEIVED.
- 5. IN THE EVENT OF AN EMERGENCY, THE CONTRACTOR SHALL CALL 911.
- 6. CONTACTS FOR THIS PROJECT WILL BE DISCUSSED AT THE PRE-CONSTRUCTION MEETING.

I. INSPECTION REQUIREMENTS

- 1. THE CONTRACTOR SHALL INSPECT THE JOBSITE DAILY TO ENSURE COMPLIANCE WITH THE CSPP. THE CHECKLIST FOUND IN APPENDIX 3 OF FAA AC 150/5370-2G, OR LATEST EDITION, MAY BE USED TO AID IN THE INSPECTIONS.
- 2. THE CONTRACTOR AND AIRPORT SHALL ATTEND AN INSPECTION OF EACH PHASE WORK AREA PRIOR TO OPENING THE AREA TO AIRPORT OPERATIONS.

J. UNDERGROUND UTILITIES

- 1. IT WILL BE NECESSARY FOR THE CONTRACTOR TO MAKE HIS OWN FIELD INVESTIGATION TO DETERMINE THE EXACT LOCATION OF THE UNDERGROUND UTILITIES AT CRITICAL POINTS. THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY IN RESPECT TO THE ACCURACY, COMPLETENESS OR SUFFICIENCY OF THE INFORMATION.
- 2. BEFORE INITIATING ANY DIGGING, DRILLING OR EXCAVATING ON THE AIRPORT PROPERTY, THE CONTRACTOR SHALL CALL J.U.L.I.E. AND CONTACT THE LOCAL FAA OFFICE TO ARRANGE FOR UTILITY LOCATES. SEE SECTION 70-17 OF THE SPECIAL PROVISIONS FOR UTILITY CONTACT INFORMATION.

K. PENALTIES

- 1. NONCOMPLIANCE BY THE CONTRACTOR WITH AIRPORT RULES AND REGULATIONS OR FAILURE TO COMPLY WITH THE AIRPORT'S APPROVED CSPP AND THE CONTRACTOR'S APPROVED SPCD MAY RESULT IN FINES AS ALLOWED BY LAW.

L. SPECIAL CONDITIONS

- 1. IN CASE OF EMERGENCY, THE CONTRACTOR SHALL NOTIFY ALL NECESSARY PARTIES INCLUDING LOCAL POLICE/SECURITY, ARFF, MEDICAL SERVICES, THE AIRPORT, AND THE RESIDENT ENGINEER.

M. HAZARD MARKING AND LIGHTING

- 1. THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN MARKINGS AND ASSOCIATED LIGHTING OF OPEN TRENCHES, EXCAVATIONS, TEMPORARY STOCKPILES, AND HIS/HER CONSTRUCTION EQUIPMENT.
- 2. ALL CONSTRUCTION EQUIPMENT SHALL BE FLAGGED AND/OR LIGHTED IN ACCORDANCE WITH FAA ADVISORY CIRCULAR 150/5370-2H, OR LATEST, AND 150/5210-5D AT ALL TIMES WHILE OPERATING ON AIRPORT PROPERTY. THE MAXIMUM EQUIPMENT HEIGHT IS 25'.
- 3. BARRICADES SHALL BE PLACED AT THE LOCATIONS SHOWN ON THE CONSTRUCTION ACTIVITY PLAN SHEET OR AS DIRECTED BY THE RESIDENT ENGINEER.
- 4. THE CONTRACTOR SHALL INSPECT THE BARRICADES ONCE DURING EACH WORK DAY TO INSURE PROPER PLACEMENT AND PROPER OPERATION OF THE RED LIGHTS AND FLAG PLACEMENT.
- 5. RUNWAY CLOSURE MARKERS SHALL BE PROVIDED BY THE CONTRACTOR. MARKERS SHALL MEET THE REQUIREMENTS OF THE DETAIL PROVIDED IN THE PLANS.

N. PROTECTION

- 1. ALL WORK REQUIRED ON AN ACTIVE RUNWAY OR INSIDE OF AN ACTIVE RUNWAY OBJECT FREE ZONE (ROFZ), WHICH EXTENDS 125' FROM THE RUNWAY CENTERLINE, WILL REQUIRE THE RUNWAY TO BE CLOSED.
- 2. ALL WORK REQUIRED ON AN ACTIVE TAXIWAY OR INSIDE OF AN ACTIVE TAXIWAY OBJECT FREE AREA (TOFA), WHICH EXTENDS 45' FROM THE TAXIWAY CENTERLINE, WILL REQUIRE THE TAXIWAY TO BE CLOSED.
- 3. THE CONTRACTOR SHALL COORDINATE WITH THE AIRPORT A MINIMUM OF 72 HOURS PRIOR TO THE REQUESTED CLOSURE TIME.

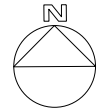
O. OTHER LIMITATIONS ON CONSTRUCTION

- 1. IF DURING CONSTRUCTION, AN EMERGENCY IS DECLARED BY THE AIRPORT, THE CONTRACTOR SHALL IMMEDIATELY CLEAR THE PAVEMENT OF ALL VEHICLES, PERSONNEL AND EQUIPMENT.
- 2. BROKEN CONCRETE, BROKEN ASPHALT, AND OTHER MISCELLANEOUS DEBRIS SHALL BE DISPOSED OF OFF AIRPORT PROPERTY, UNLESS OTHERWISE SPECIFIED.



License No. 184-000613

CONSULTANTS



0 1 2

THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

CE036

JANUARY 11, 2019

CONSTRUCT ACCESS TAXIWAY TO RUNWAY 9

OWNER



CENTRALIA MUNICIPAL AIRPORT
CITY OF CENTRALIA, ILLINOIS
CENTRALIA, ILLINOIS

MARK | DATE | DESCRIPTION

AIP PROJ. NO. 3-17-SBGP-144

IL PROJ. NO. ENL 4661

CMT PROJECT NO: 17072-02-00

CAD DWG FILE: 1707202-G1101.DWG

DESIGNED BY: AJJ

DRAWN BY: DPA

CHECKED BY: RLV

APPROVED BY: CBG

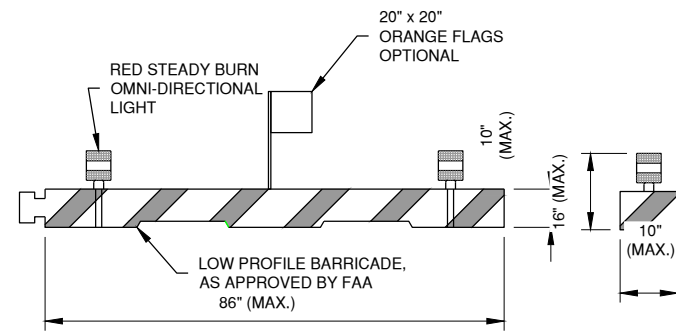
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SHEET TITLE

GENERAL NOTES

G1101

SHEET 4 OF 25

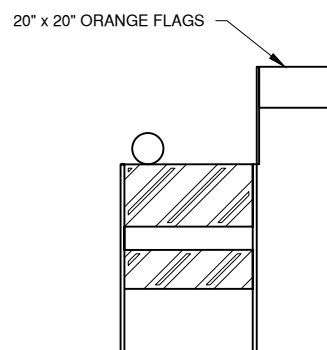


BEAM BARRICADE DETAIL

N.T.S.

BEAM BARRICADE NOTES

1. BARRICADE SHALL BE WEIGHTED TO WITHSTAND DISPLACEMENT BY WIND, JET OR PROP BLAST.
2. BARRICADE MUST BE OF LOW MASS AND EASILY COLLAPSIBLE UPON CONTACT WITH AN AIRCRAFT.
3. NO SEPARATE PAYMENT WILL BE MADE FOR THIS ITEM. COSTS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
4. PLACE AS SHOWN IN PLANS AND AS DIRECTED BY THE ENGINEER.
5. THERE SHALL BE NO GAP BETWEEN BEAM BARRICADES.

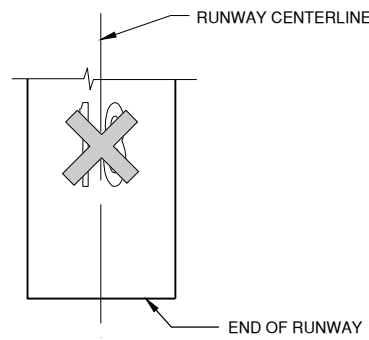


**FLASHER BARRICADE DETAIL
IDOT TYPE 1**

N.T.S.

NOTES

1. FLASHERS TO BE BATTERY OPERATED. LENS TO BE RED AND BE ABLE TO ROTATE 90 DEGREES.
2. SANDBAGS TO BE PLACED ON EACH SUPPORT BRACE AS REQUIRED TO PREVENT DISPLACEMENT BY WIND, JET OR PROP BLAST.
3. NO SEPARATE PAYMENT WILL BE MADE FOR THIS ITEM. COSTS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
4. PLACE AT 15' INTERVALS.

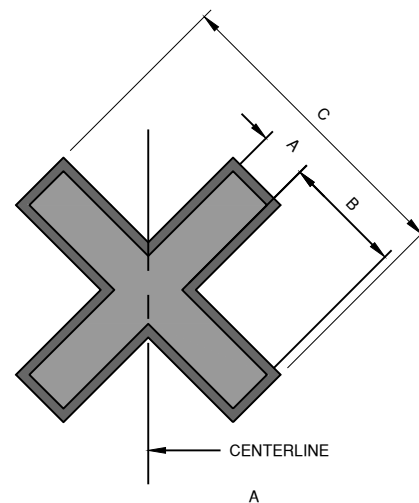


CLOSED RUNWAY MARKER DETAIL

N.T.S.

NOTES

1. MARKERS SHALL BE SOLID YELLOW.
2. MARKERS SHALL BE SELF-CONTAINED MARKERS PROVIDED BY THE CONTRACTOR THROUGH THE CONTRACT.
3. COST OF INSTALLING, MAINTAINING, RELOCATING AND REMOVING MARKERS SHALL BE INCIDENTAL TO THE CONTRACT.
4. MARKERS SHALL BE PLACED OVER EXISTING RUNWAY NUMERALS.
5. NON PAINTED MARKERS SHALL BE SECURED TO PREVENT MOVEMENT BY PROP WASH, JET BLAST OR OTHER WIND CURRENTS. METHODS OF SECURING THE MARKERS SHALL NOT PROTRUDE MORE THAN 3" ABOVE THE PAVEMENT.



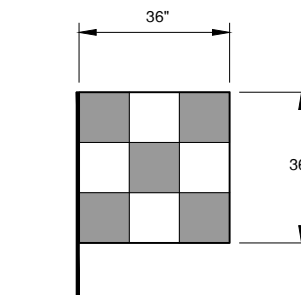
CLOSED RUNWAY/ TAXIWAY MARKER DETAIL

N.T.S.

SYMBOL TYPE	DIMENSION	A	B	C
CLOSED RUNWAY		10'-0"	25'-0"	60'-0"
CLOSED TAXIWAY		5'-0"	12'-6"	30'-0"

NOTES

1. CLOSURE MARKERS SHALL BE SOLID YELLOW.
2. MARKERS SHALL BE PLACED ON TAXIWAYS AT THE RUNWAY INTERSECTIONS INSIDE THE RUNWAY SAFETY AREA.
3. MARKERS MAY BE PAINTED ON THE TAXIWAY USING TEMPORARY PAINT OR CONSTRUCTED OF FABRIC, COLORED PLASTIC, PAINTED SHEETS OF PLYWOOD OR SIMILAR MATERIALS.
4. NON PAINTED MARKERS SHALL BE SECURED TO PREVENT MOVEMENT BY PROP WASH, JET BLAST OR OTHER WIND CURRENTS. METHODS OF SECURING THE MARKERS SHALL NOT PROTRUDE MORE THAN 3" ABOVE THE PAVEMENT.



**CONSTRUCTION EQUIPMENT
AND VEHICLE SIGNAL FLAG**

(ORANGE / WHITE)

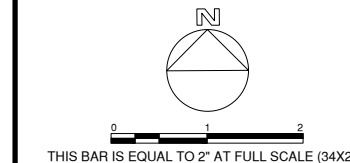
N.T.S.

SECURITY NOTES

1. MAINTAINING THE SECURITY REQUIREMENTS OF THE AIRPORT SHALL BE A PRIMARY CONCERN FOR THE CONTRACTOR.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AIRPORT SECURITY BY SUPERVISING OPENINGS OR MAINTAINING THE AIRPORT PERIMETER FENCE LINE AT ALL TIMES THROUGHOUT THE COURSE OF THE WORK.
3. FINES CAN BE LEVIED AGAINST THE CONTRACTOR BY THE TRANSPORTATION SECURITY ADMINISTRATION (TSA) FOR NEGLIGENCE IF THE AIRPORT SECURITY IS COMPROMISED AND THE AIRPORT PERIMETER FENCE LINE IS NOT MAINTAINED AS SPECIFIED ABOVE. FINES CAN ALSO BE LEVIED AGAINST THE CONTRACTOR FOR FAILURE TO COOPERATE WITH THE AIRPORT MANAGEMENT AS REQUIRED TO MAINTAIN AIRPORT SECURITY.

CONSTRUCTION ACTIVITY GENERAL NOTES

1. CONSTRUCTION PHASING IS OF CRITICAL IMPORTANCE TO THE AIRPORT FOR THIS PROJECT.
2. THE CONTRACTOR SHALL PLAN AND CONDUCT HIS WORK SO AS TO NOT INTERFERE WITH OR HINDER THE PROGRESS OR WORK BEING PERFORMED BY OTHER CONTRACTORS.
3. THE TIMELY PROSECUTION OF THE OVERALL PROJECT IS DEPENDENT UPON THE PROPER COORDINATION BETWEEN CONTRACTORS.
4. IT SHALL BE FULLY UNDERSTOOD BY THE CONTRACTOR THAT THE PROSECUTION OF THE OVERALL PROJECT ARE THE GOVERNING CRITERIA FOR RESOLVING CONFLICTS WHICH MAY ARISE BETWEEN HIS SCHEDULE AND THE SCHEDULE OF OTHER CONTRACTORS.
5. WHEN CONFLICTS ARISE, RESOLUTION OF SUCH CONFLICTS WILL BE MADE BY THE AIRPORT THROUGH THE RESIDENT ENGINEER IN THE BEST INTEREST OF THE AIRPORT.
6. DELAYS, CHANGES IN SCHEDULING, OR THE EXPEDITION OF WORK UNDER THIS CONTRACT TO PROVIDE FOR THE TIMELY PROSECUTION OF THE PROJECT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
7. CONTRACTOR'S STAGING, STORAGE, AND PARKING WILL BE AS SHOWN ON THE CONSTRUCTION ACTIVITY PLANS.
8. THE CONTRACTOR SHALL PLACE ALL BARRICADE ITEMS AS SHOWN IN THE PLANS PRIOR TO INITIATING WORK IN EACH PHASE. ALL COSTS TO FURNISH, INSTALL, AND MAINTAIN THESE ITEMS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
9. CONSTRUCTION RELATED ITEMS REQUIRING THE CLOSURE OF RUNWAYS AND TAXIWAYS SHALL REQUIRE CLOSE COORDINATION WITH THE AIRPORT. NO EXTENSION TO CONTRACT TIME WILL BE GIVEN FOR DELAYS CAUSED BY LACK OF ADEQUATE COORDINATION. THE AIRPORT SHALL REQUIRE 72 HOURS NOTIFICATION PRIOR TO THE CLOSURE OF RUNWAYS.
10. CONSTRUCTION BARRICADES SHALL BE SET AT THE LIMITS OF THE WORK AREA OF EACH PHASE. OFFSETTING BARRICADES TO ANY LOCATION DIFFERENT THAN SHOWN IN THE PLANS WILL COORDINATED WITH THE AIRPORT IN ADVANCE. IN THE EVENT OF A CONFLICT BETWEEN CONSTRUCTION OPERATIONS AND TAXIING AIRCRAFT, THE CONTRACTOR SHALL CEASE OPERATIONS AND RETURN THE BARRICADES TO THE EDGE OF THE WORKING LIMITS. ALL BARRICADES SHALL BE REMOVED AT THE END OF EACH CONSTRUCTION PHASE.



CE036

JANUARY 11, 2019

CONSTRUCT ACCESS TAXIWAY
TO RUNWAY 9

OWNER



CENTRALIA MUNICIPAL AIRPORT
CITY OF CENTRALIA, ILLINOIS
CENTRALIA, ILLINOIS

MARK | DATE | DESCRIPTION

AIP PROJ. NO. 3-17-SBGP-144

IL PROJ. NO. ENL 4661

CMT PROJECT NO: 17072-02-00

CAD DWG FILE: 1707202-GC001.DWG

DESIGNED BY: AJJ

DRAWN BY: DPA

CHECKED BY: RLV

APPROVED BY: CBG

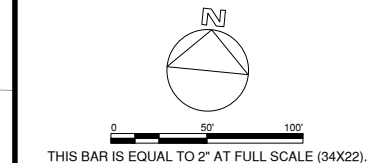
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SHEET TITLE

**CONSTRUCTION
ACTIVITY PLAN
NOTES & DETAILS**

GC001

SHEET 5 OF 25



JANUARY 11, 2019

CONSTRUCT ACCESS TAXIWAY TO RUNWAY 9

OWNER



CENTRALIA MUNICIPAL AIRPORT
CITY OF CENTRALIA, ILLINOIS
CENTRALIA, ILLINOIS

MARK	DATE	DESCRIPTION

AIP PROJ. NO. 3-17-SBGP-144

IL. PROJ. NO. ENL 4661

CMT PROJECT NO: 17072-02-00

CAD DWG FILE: 1707202-GC101.DWG

DESIGNED BY: AJJ

DRAWN BY: DPA

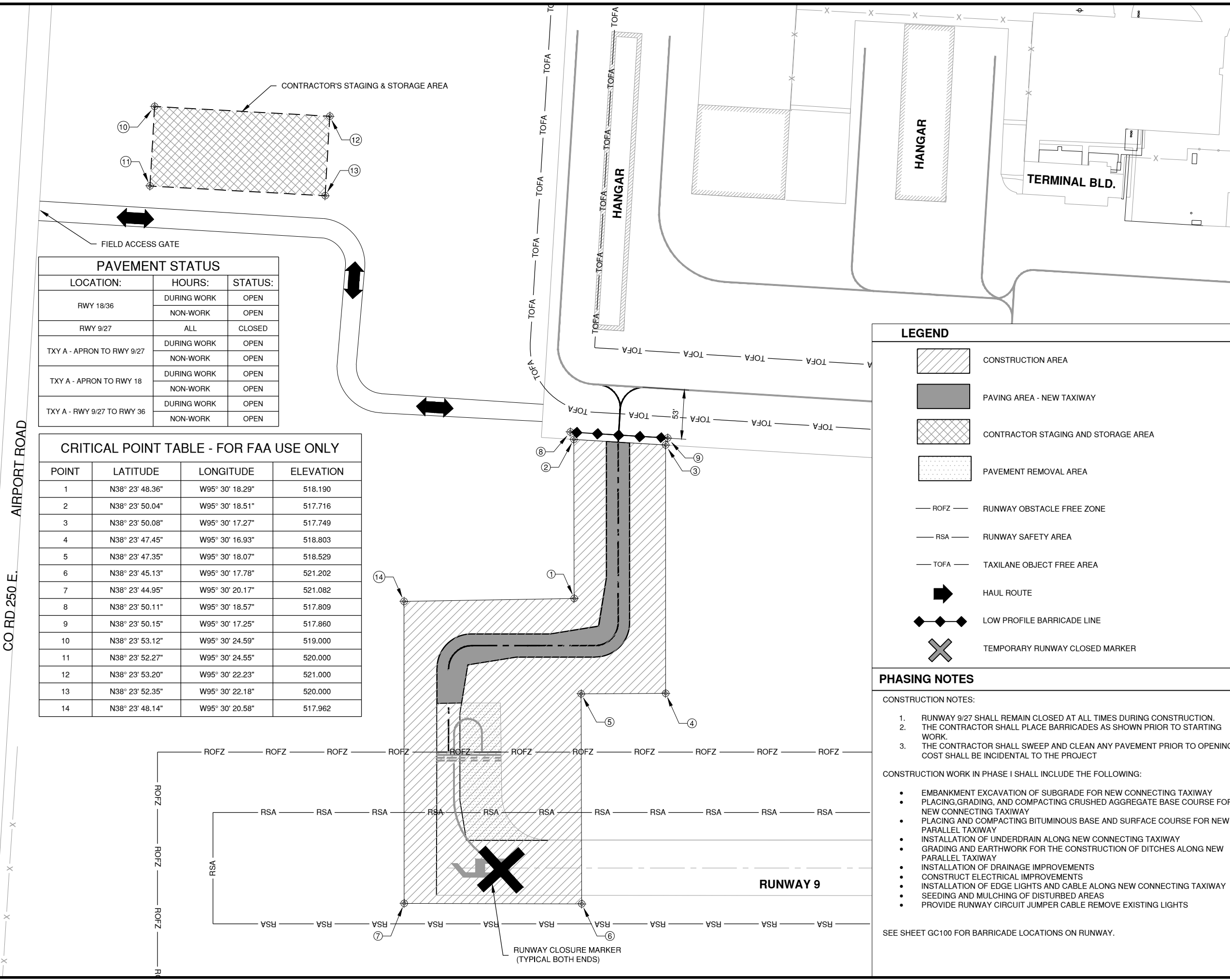
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SHEET TITLE

CONSTRUCTION ACTIVITY PLAN



PAVEMENT STATUS

LOCATION:	HOURS:	STATUS:
RWY 18/36	DURING WORK	OPEN
	NON-WORK	OPEN
RWY 9/27	ALL	CLOSED
TXY A - APRON TO RWY 9/27	DURING WORK	OPEN
	NON-WORK	OPEN
TXY A - APRON TO RWY 18	DURING WORK	OPEN
	NON-WORK	OPEN
TXY A - RWY 9/27 TO RWY 36	DURING WORK	OPEN
	NON-WORK	OPEN

CRITICAL POINT TABLE - FOR FAA USE ONLY

POINT	LATITUDE	LONGITUDE	ELEVATION
1	N38° 23' 48.36"	W95° 30' 18.29"	518.190
2	N38° 23' 50.04"	W95° 30' 18.51"	517.716
3	N38° 23' 50.08"	W95° 30' 17.27"	517.749
4	N38° 23' 47.45"	W95° 30' 16.93"	518.803
5	N38° 23' 47.35"	W95° 30' 18.07"	518.529
6	N38° 23' 45.13"	W95° 30' 17.78"	521.202
7	N38° 23' 44.95"	W95° 30' 20.17"	521.082
8	N38° 23' 50.11"	W95° 30' 18.57"	517.809
9	N38° 23' 50.15"	W95° 30' 17.25"	517.860
10	N38° 23' 53.12"	W95° 30' 24.59"	519.000
11	N38° 23' 52.27"	W95° 30' 24.55"	520.000
12	N38° 23' 53.20"	W95° 30' 22.23"	521.000
13	N38° 23' 52.35"	W95° 30' 22.18"	520.000
14	N38° 23' 48.14"	W95° 30' 20.58"	517.962

LEGEND

- CONSTRUCTION AREA
- PAVING AREA - NEW TAXIWAY
- CONTRACTOR STAGING AND STORAGE AREA
- PAVEMENT REMOVAL AREA
- ROFZ — RUNWAY OBSTACLE FREE ZONE
- RSA — RUNWAY SAFETY AREA
- TOFA — TAXILANE OBJECT FREE AREA
- HAUL ROUTE
- LOW PROFILE BARRICADE LINE
- TEMPORARY RUNWAY CLOSED MARKER

PHASING NOTES

CONSTRUCTION NOTES:

- RUNWAY 9/27 SHALL REMAIN CLOSED AT ALL TIMES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL PLACE BARRICADES AS SHOWN PRIOR TO STARTING WORK.
- THE CONTRACTOR SHALL SWEEP AND CLEAN ANY PAVEMENT PRIOR TO OPENING; COST SHALL BE INCIDENTAL TO THE PROJECT

CONSTRUCTION WORK IN PHASE I SHALL INCLUDE THE FOLLOWING:

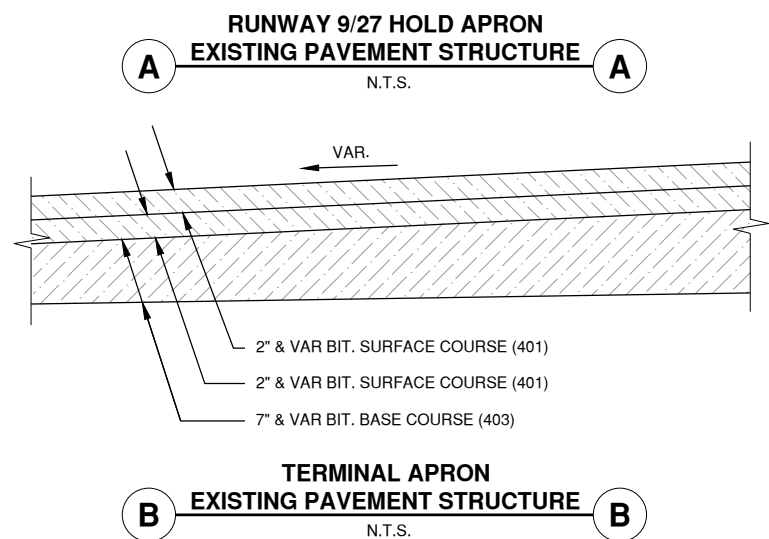
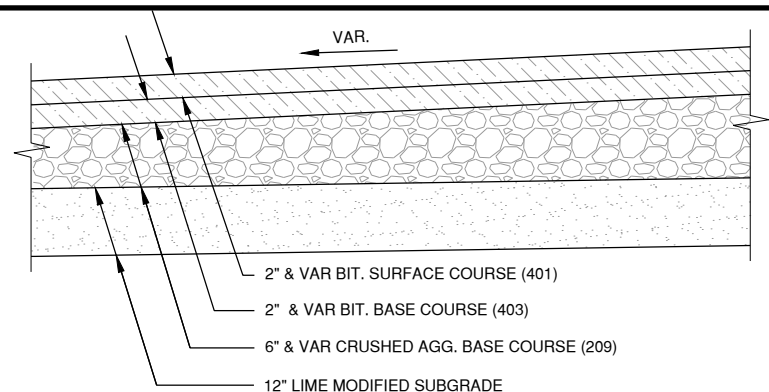
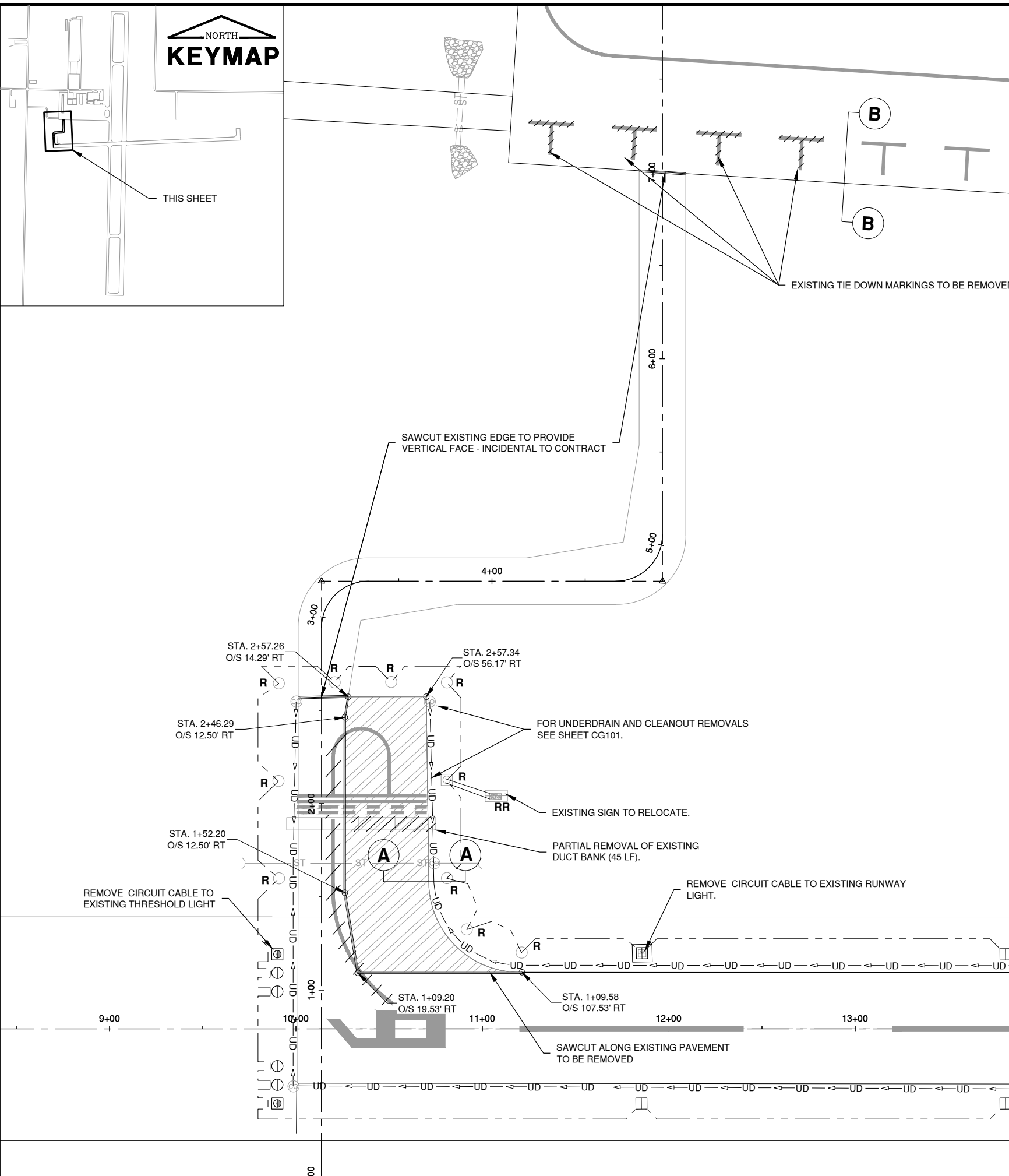
- EMBANKMENT EXCAVATION OF SUBGRADE FOR NEW CONNECTING TAXIWAY
- PLACING, GRADING, AND COMPACTING CRUSHED AGGREGATE BASE COURSE FOR NEW CONNECTING TAXIWAY
- PLACING AND COMPACTING BITUMINOUS BASE AND SURFACE COURSE FOR NEW PARALLEL TAXIWAY
- INSTALLATION OF UNDERDRAIN ALONG NEW CONNECTING TAXIWAY
- GRADING AND EARTHWORK FOR THE CONSTRUCTION OF DITCHES ALONG NEW PARALLEL TAXIWAY
- INSTALLATION OF DRAINAGE IMPROVEMENTS
- CONSTRUCT ELECTRICAL IMPROVEMENTS
- INSTALLATION OF EDGE LIGHTS AND CABLE ALONG NEW CONNECTING TAXIWAY
- SEEDING AND MULCHING OF DISTURBED AREAS
- PROVIDE RUNWAY CIRCUIT JUMPER CABLE REMOVE EXISTING LIGHTS

SEE SHEET GC100 FOR BARRICADE LOCATIONS ON RUNWAY.

Path: K:\Centralia\17072-02_Access\TW_RW9\Draw\Sheets\1707202-GC101.dwg
Date: Friday, January 25, 2019 10:05:57 AM



THIS SHEET



LEGEND

- UD — UD — EXISTING UNDERDRAIN
- ST — ST — EXISTING STORM SEWER
- ⊙ EXISTING CLEAN OUT
-) EXISTING FLARED END SECTION
- - - - - EXISTING UNDERGROUND POWER CABLEING
- [Hatched Box] EXISTING PAVEMENT TO BE REMOVED
- [Diagonal Lines Box] NEW TAXIWAY PAVEMENT
- R ITEM TO BE REMOVED
- RR ITEM TO BE REMOVED AND RELOCATED
- EXISTING STAKE MOUNTED TAXIWAY LIGHT
- ⊕ ⊕ ⊕ EXISTING THRESHOLD LIGHTS
- [Horizontal Line Box] EXISTING HOLD LINE TO BE RELOCATED
- [Square Box] EXISTING BASE MOUNTED RUNWAY LIGHT
- [Square Box] EXISTING STAKE MOUNTED RUNWAY LIGHT
- === SAWCUT EDGE
- EXISTING MARKING
- /// EXISTING MARKING TO BE REMOVED
- [Hatched Box] EXISTING DUCT TO BE REMOVED

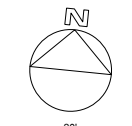
THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER, THE DIVISION, NOR THE PROJECT ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, 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 CONTRACTORS 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 COMPANY OF HIS OPERATIONAL PLANS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR DETAILED INFORMATION AND ASSISTANCE IN LOCATING UTILITIES. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY, THE OWNER, AND THE RESIDENT ENGINEER. ANY SUCH MAINS AND/OR SERVICES DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED IMMEDIATELY AT HIS EXPENSE TO THE SATISFACTION OF THE OWNER AND THE ENGINEER.



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THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

CE036

JANUARY 11, 2019

CONSTRUCT ACCESS TAXIWAY TO RUNWAY 9

OWNER



CENTRALIA MUNICIPAL AIRPORT
CITY OF CENTRALIA, ILLINOIS
CENTRALIA, ILLINOIS

MARK | DATE | DESCRIPTION

AIP PROJ. NO. 3-17-SBGP-144
IL PROJ. NO. ENL 4661
CMT PROJECT NO: 17072-02-00
CAD DWG FILE: 1707202-CD100.DWG
DESIGNED BY: AJJ
DRAWN BY: DPA
CHECKED BY: RLV
APPROVED BY: CBG
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EXISTING CONDITIONS AND REMOVALS

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CE036

JANUARY 11, 2019

CONSTRUCT ACCESS TAXIWAY TO RUNWAY 9

OWNER



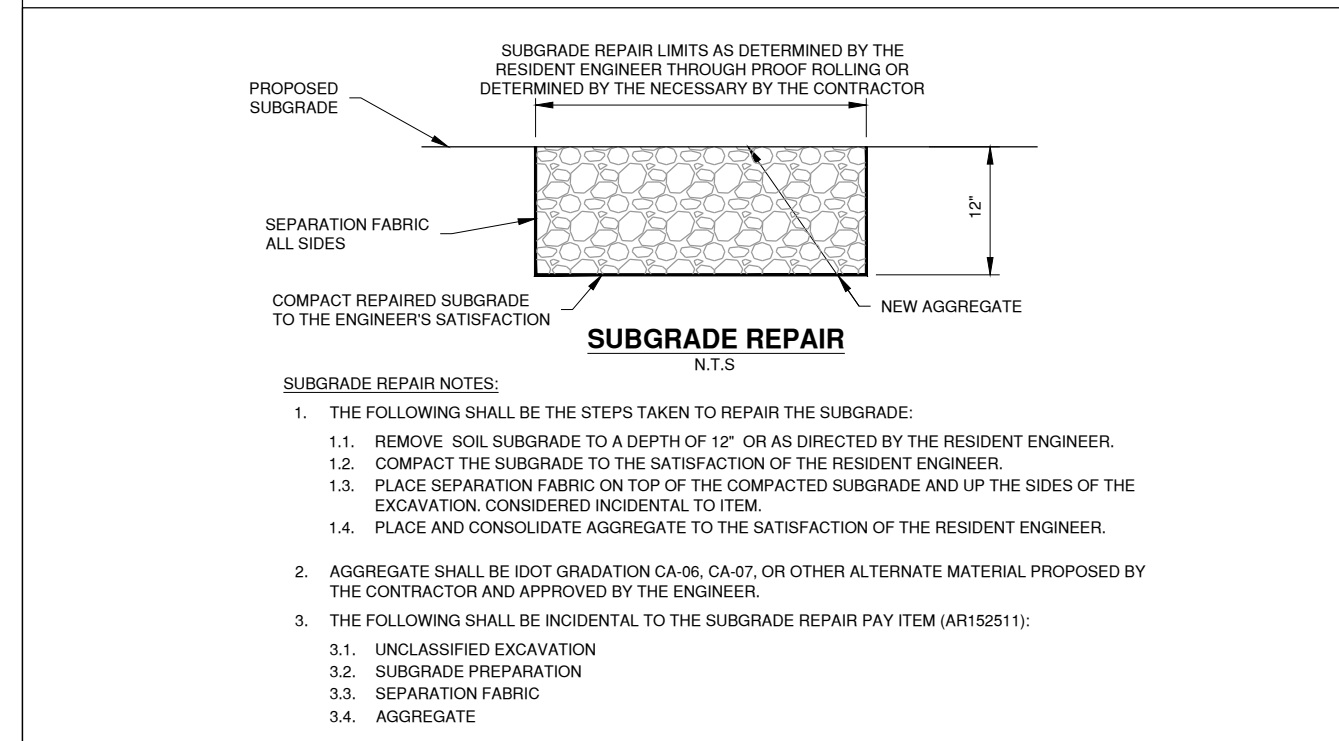
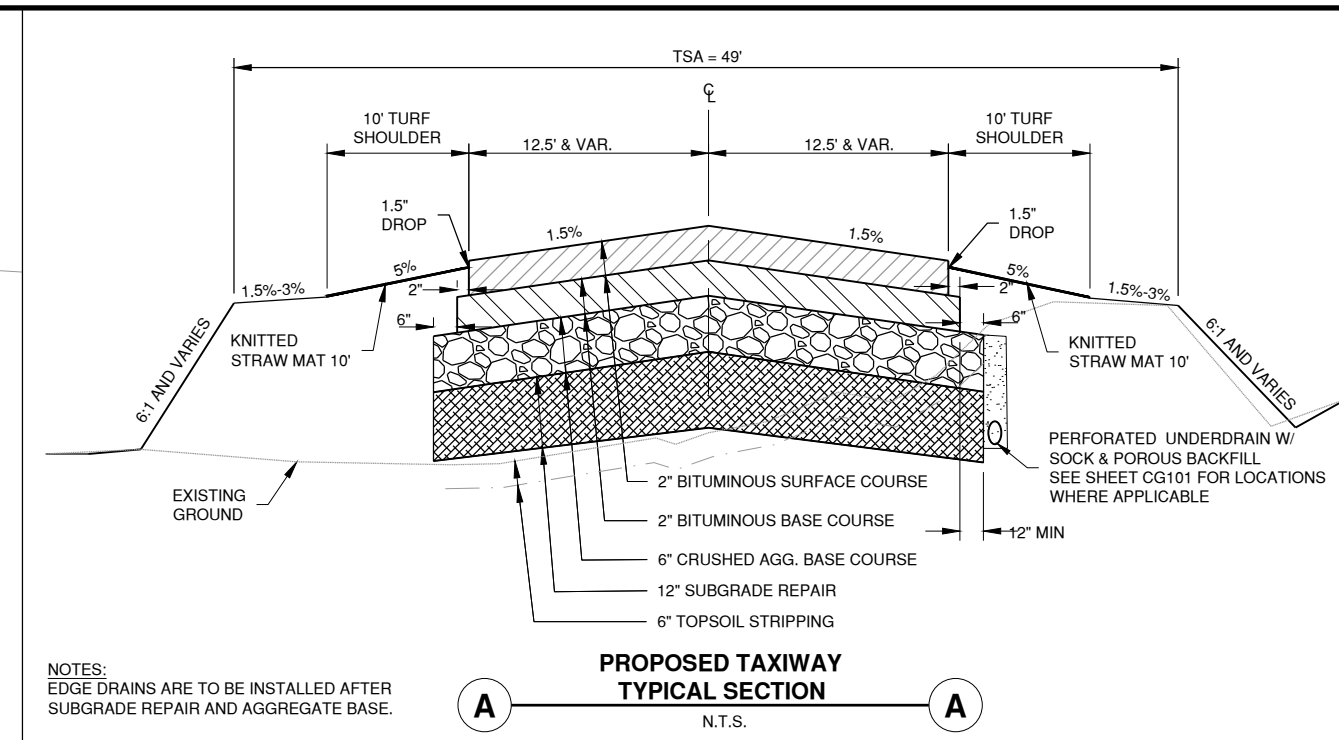
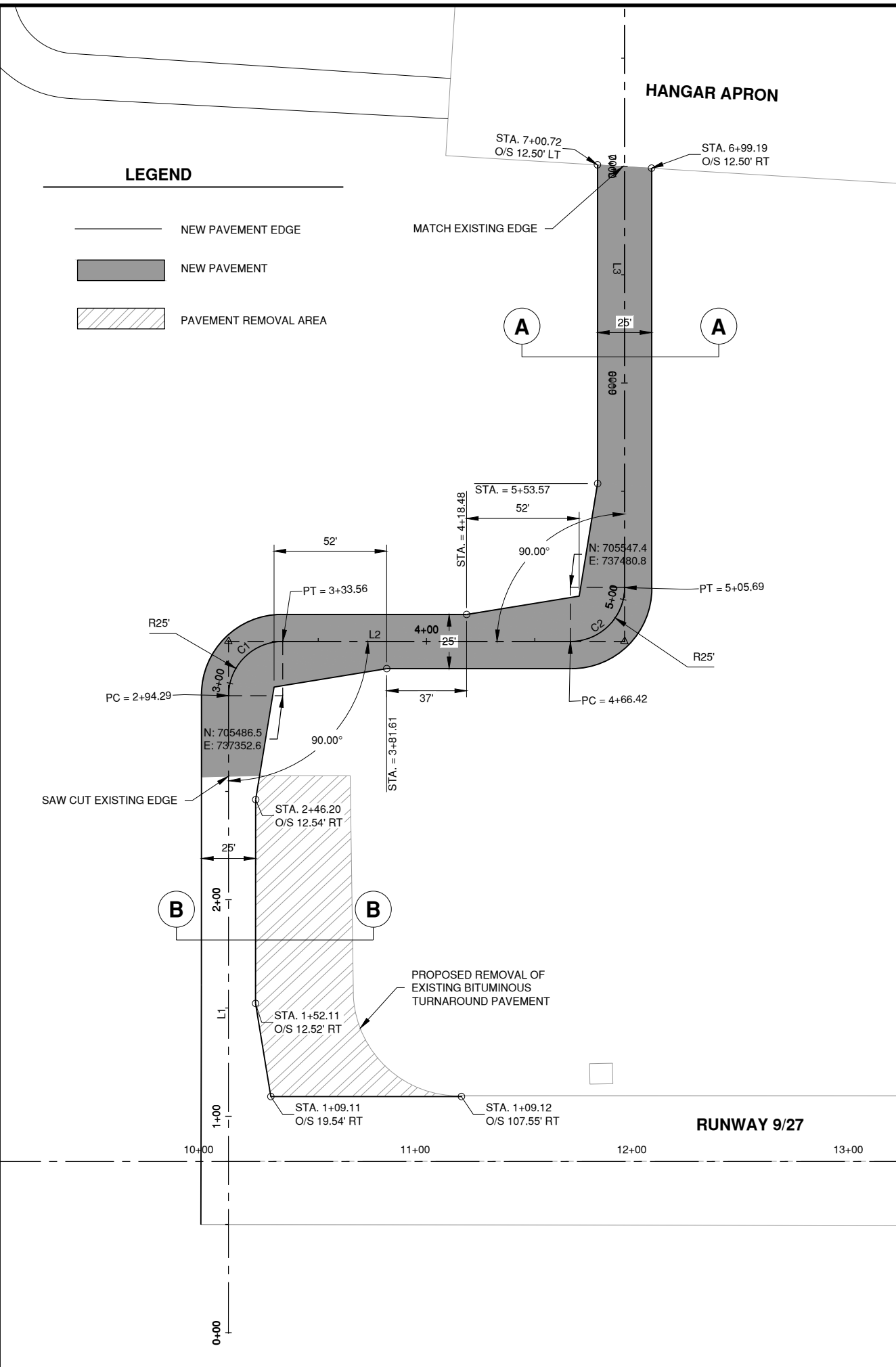
CENTRALIA MUNICIPAL AIRPORT
CITY OF CENTRALIA, ILLINOIS
CENTRALIA, ILLINOIS

MARK	DATE	DESCRIPTION

AIP PROJ. NO. 3-17-SBGP-144
IL PROJ. NO. ENL 4661
CMT PROJECT NO: 17072-02-00
CAD DWG FILE: 1707202-CP101.DWG
DESIGNED BY: AJJ
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PROPOSED IMPROVEMENTS

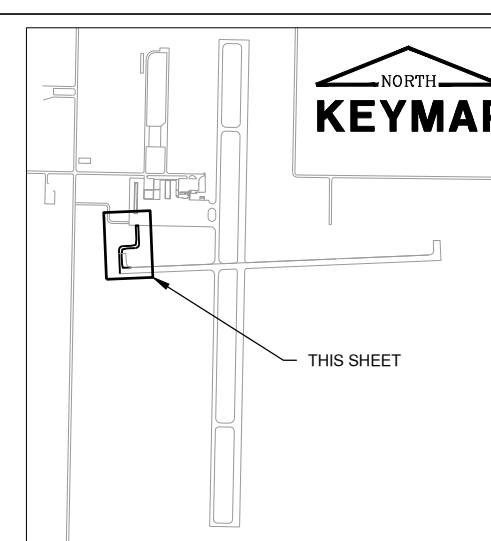
SHEET **9** OF **25**



ALIGNMENT DATA

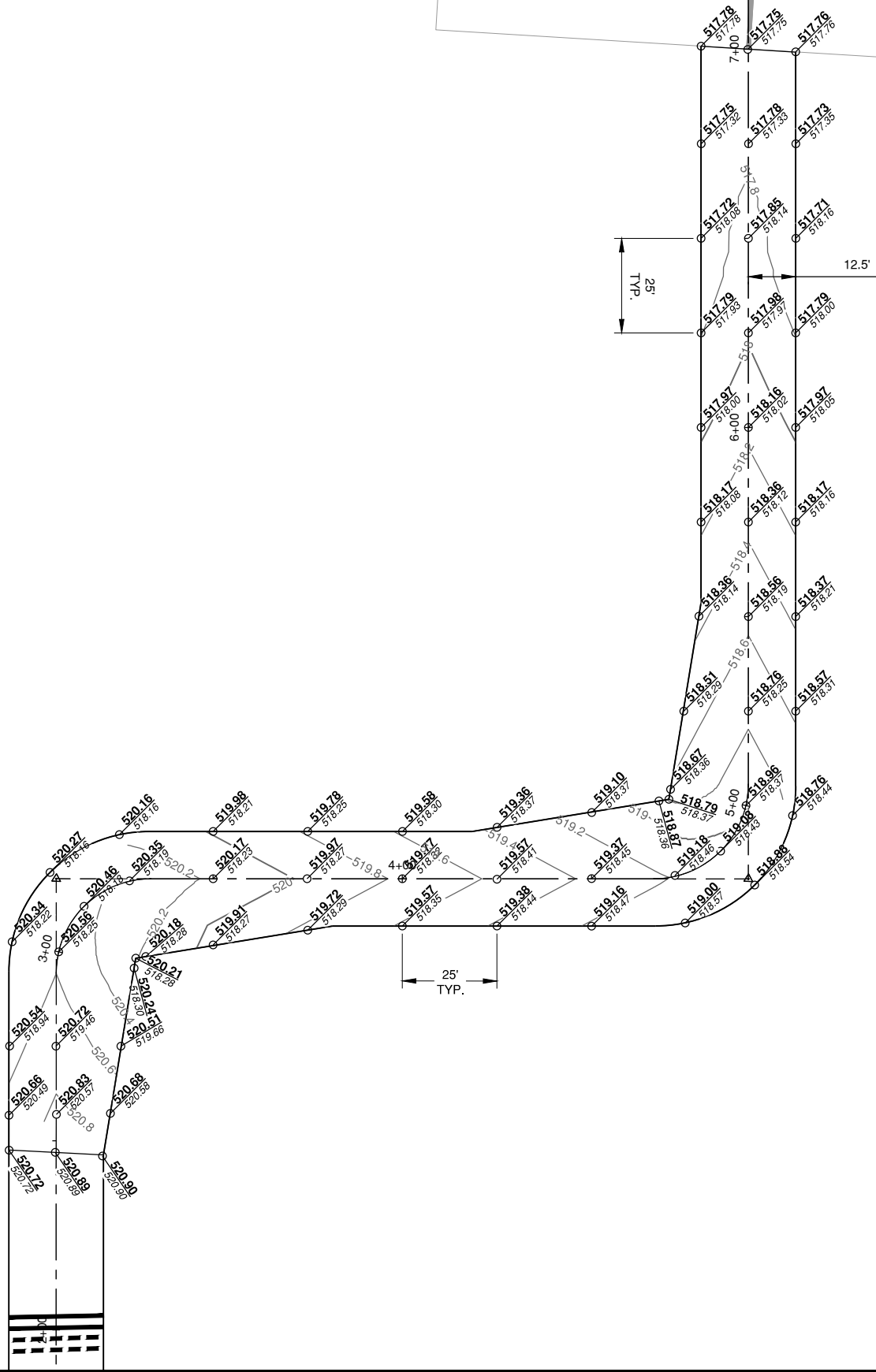
ALIGNMENT SEGMENT	ALIGNMENT	BEGIN STATION/ PI STATION	NORTHING/ EASTING	END STATION/ CURVE RADIUS
L1	Access Taxiway	STA. 0+00.00	N:705191.1876 E:737352.1405	STA. 2+94.29
C1	Access Taxiway	CENTER STA. 3+19.29	PI N:705509.3682 PI E:737325.5829	R = 25.000
L2	Access Taxiway	STA. 3+33.56	N:705511.4499 E:737350.4937	STA. 4+66.42
C2	Access Taxiway	CENTER STA. 4+91.42	PI N:705524.5959 PI E:737507.8076	R = 25.000
L3	Access Taxiway	STA. 5+05.69	N:705549.5124 E:737505.7217	STA. 8+00.00

SEE RUNWAY 9/27 ON SHEET CD100
N.T.S.



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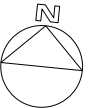
LEGEND

- NEW ELEVATION
- EXISTING ELEVATION
- NEW CONTOURS
- PROPOSED PAVEMENT
- EXISTING PAVEMENT



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0 10' 20' 40'

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CE036

JANUARY 11, 2019

CONSTRUCT ACCESS TAXIWAY
TO RUNWAY 9

OWNER



CENTRALIA MUNICIPAL AIRPORT
CITY OF CENTRALIA, ILLINOIS
CENTRALIA, ILLINOIS

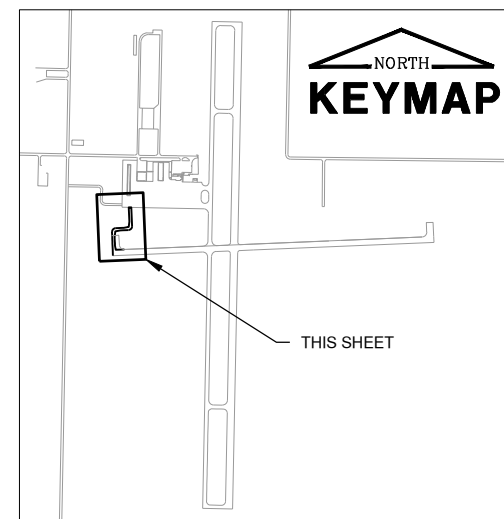
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AIP PROJ. NO. 3-17-SBGP-144
IL PROJ. NO. ENL 4661
CMT PROJECT NO: 17072-02-00
CAD DWG FILE: 1707202-CP102.DWG
DESIGNED BY: AJJ
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SHEET TITLE

STAKING PLAN -
CONNECTING
TAXIWAY

CP102
SHEET 10 OF 25





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JANUARY 11, 2019

CONSTRUCT ACCESS TAXIWAY TO RUNWAY 9

OWNER



CENTRALIA MUNICIPAL AIRPORT
CITY OF CENTRALIA, ILLINOIS
CENTRALIA, ILLINOIS

MARK | DATE | DESCRIPTION

AIP PROJ. NO. 3-17-SBGP-144

IL PROJ. NO. ENL 4661

CMT PROJECT NO: 17072-02-00

CAD DWG FILE: 1707202-CG101.DWG

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GRADING &
DRAINAGE PLAN

CG101
SHEET 12 OF 25

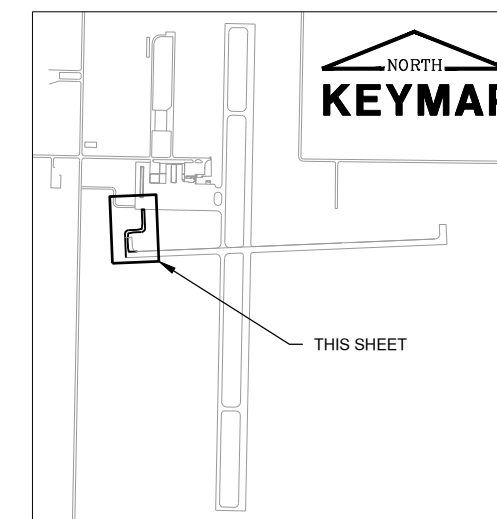
STRUCTURE TABLE											
STRUCT. NAME	TYPE	RIM ELEV.	(N) INVERT ELEV.	(S) INVERT ELEV.	(W) INVERT ELEV.	(E) INVERT ELEV.	STATION	OFFSET	LENGTH	SLOPE %	PAY ITEM
FES-1	8" METAL FES	-	-	-	516.00	-	6+89.15	25' LT	-	-	AR752208
FES-2	8" METAL FES	-	-	-	-	516.10	6+86.03	25' RT	-	-	AR752208
FES-3	8" METAL FES	-	-	-	516.00	-	6+93.15	25' LT	-	-	AR752208
FES-4	8" METAL FES	-	-	-	-	516.10	6+90.03	25' RT	-	-	AR752208
ST-PIPE 1	8" CMP	-	-	-	516.10	516.00	6+87.59	-	50'	0.20	AR701208
ST-PIPE 2	8" CMP	-	-	-	516.10	516.00	6+91.59	-	50'	0.20	AR701208
UD-1	UNDERDRAIN	-	TOP OF PIPE	-	EXISTING UD	-	RT EGDE	-	140'	0.40	AR705524

LEGEND

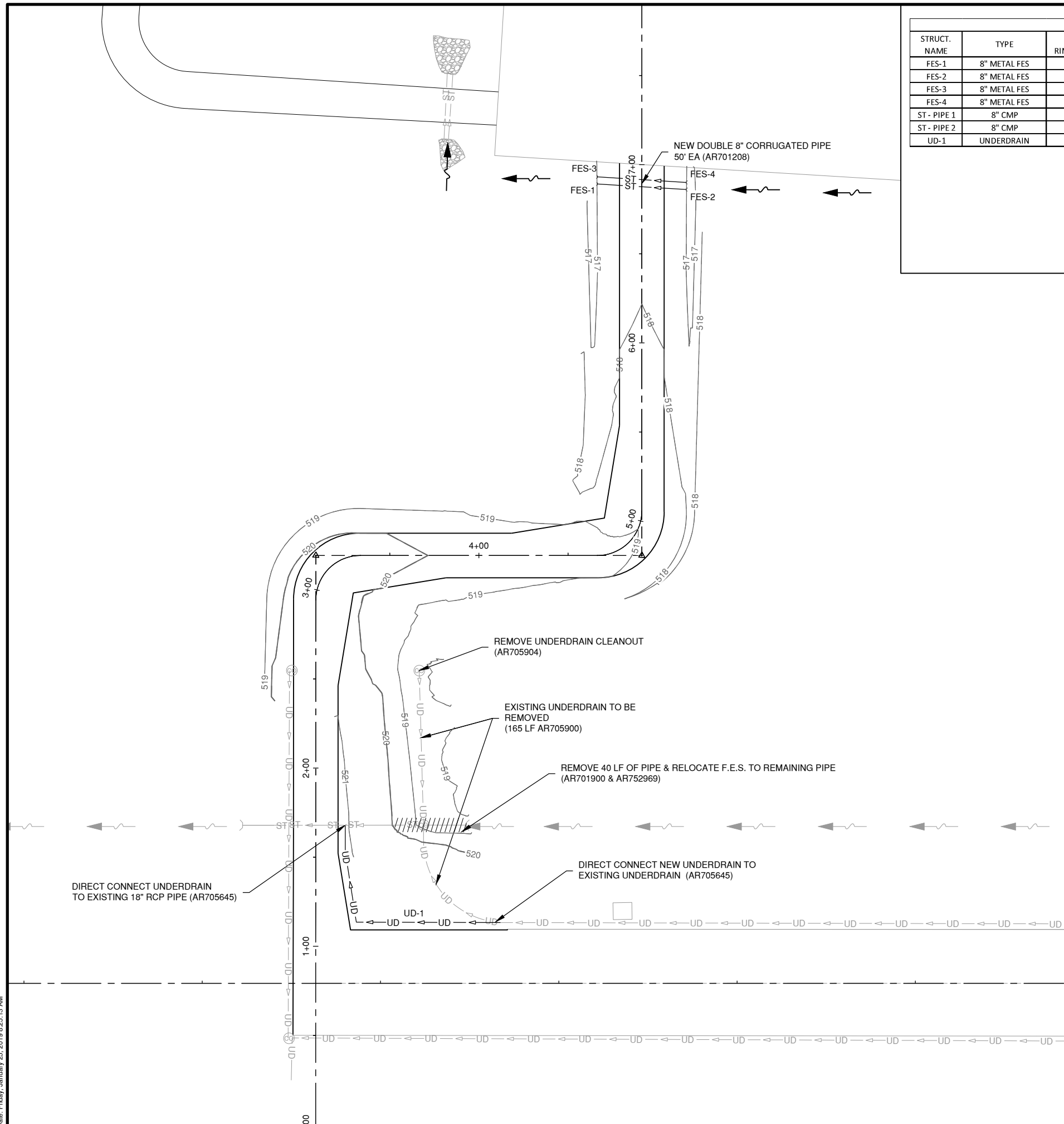
- UD → UD → PROPOSED UNDERDRAIN
- ST → ST → PROPOSED DOUBLE 8" CORRUGATED PIPE
- ⌋ PROPOSED REINFORCED CONC. FES 12"
- ST → ST → EXISTING STORM SEWER
- ⊙ EXISTING CLEAN OUT
- ⌋ EXISTING FLARED END SECTION
- ← EXISTING FLOW LINE
- PROPOSED TAXIWAY PAVEMENT
- ⌋/ST/⌋/ST/ EXISTING STORM SEWER PIPE TO BE REMOVED
- ← PROPOSED FLOW LINE

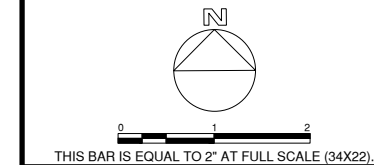
NOTES

- UNDER DRAINS ARE TO BE INSTALLED AFTER LIME MODIFICATION AND PLACEMENT OF AGGREGATE BASE COURSE.



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CE036

JANUARY 11, 2019

CONSTRUCT ACCESS TAXIWAY TO RUNWAY 9

OWNER



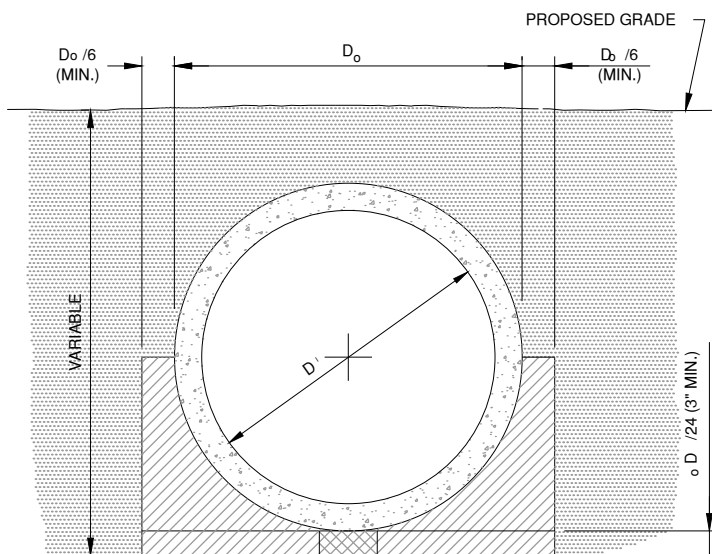
CENTRALIA MUNICIPAL AIRPORT
CITY OF CENTRALIA, ILLINOIS
CENTRALIA, ILLINOIS

MARK | DATE | DESCRIPTION

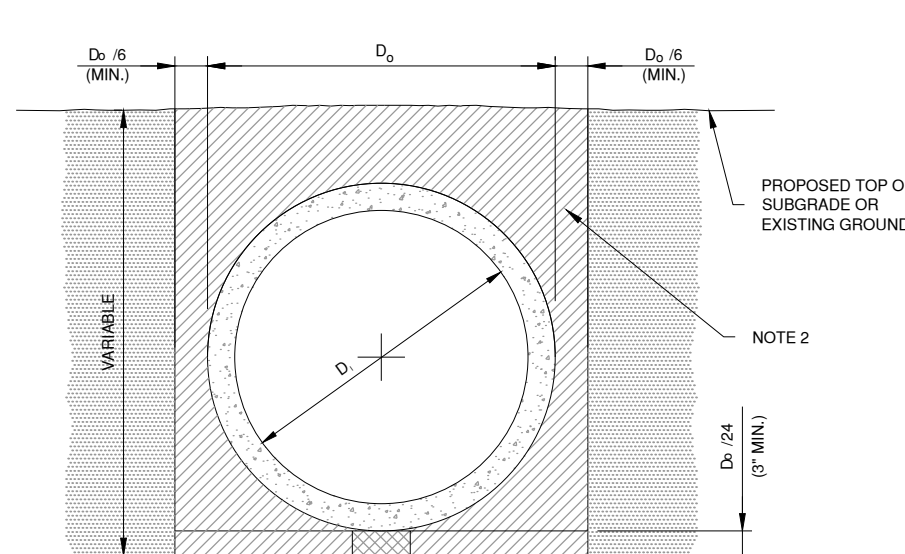
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IL PROJ. NO. ENL 4661
CMT PROJECT NO: 17072-02-00
CAD DWG FILE: 1707202-CG102.DWG
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DRAINAGE DETAILS

CG102
SHEET 13 OF 25



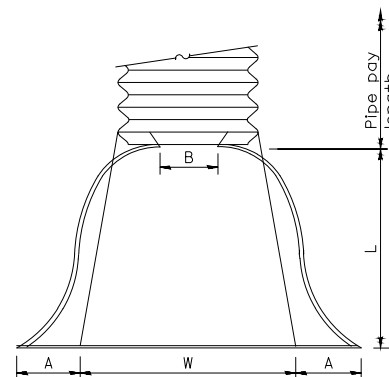
**STANDARD TRENCH INSTALLATION
NON-PAVED AREA**
N.T.S.



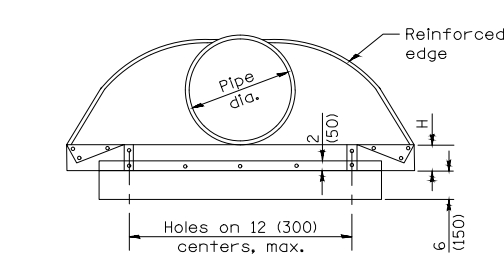
**STANDARD TRENCH INSTALLATION
PROPOSED PAVED AREA**
N.T.S.

NOTES

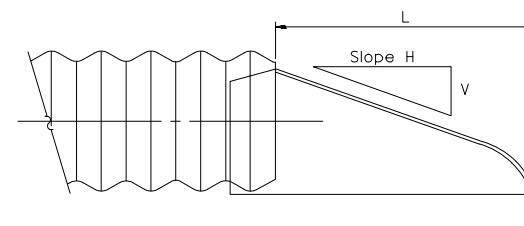
- TYPE 1 FOR PIPES WITH ANNULAR ENDS ONLY.
- TYPE 3 CONNECTION MAY BE USED FOR ALL PIPES SIZES AND INCLUDES 8" OF PIPE LENGTH. THE CONNECTOR SECTION SHALL BE ATTACHED TO THE END SECTION BY RIVETS OR BOLTS AND SHALL BE THE SAME METAL THICKNESS AS THE END SECTION. STUB SHALL BE EITHER 2 3/8" PITCH X 1 1/2" DEPTH OR 3" PITCH X 1" DEPTH ANNULAR CORRUGATED PIPE.
- TYPE 4 CONNECTION CAN BE USED FOR ALL PIPE SIZES. COUPLER SHALL BE 2 3/8" X 1 1/2" DIMPLE, HUGGER OR ANNULAR BOND OF 3X1. THE DIMPLE, HUGGER, OR ANNULAR BAND MAY BE USED WITH CORRUGATED METAL PIPE HAVING ANNULAR ENDS. FOR CORRUGATED METAL PIPES HAVING HELICAL ENDS, ONLY THE DIMPLE BAND WILL BE ALLOWED.
- BACKFILL TO EXTEND 5' BEYOND EDGES OF PROPOSED PAVEMENT.



PLAN

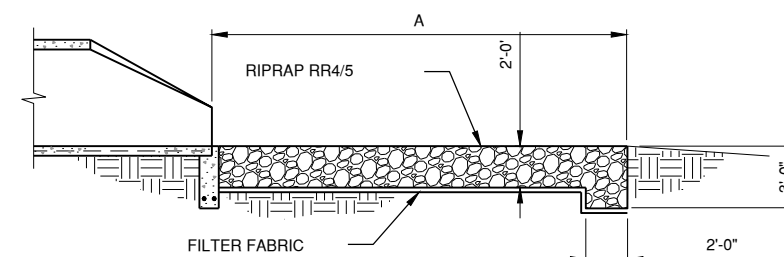


END VIEW

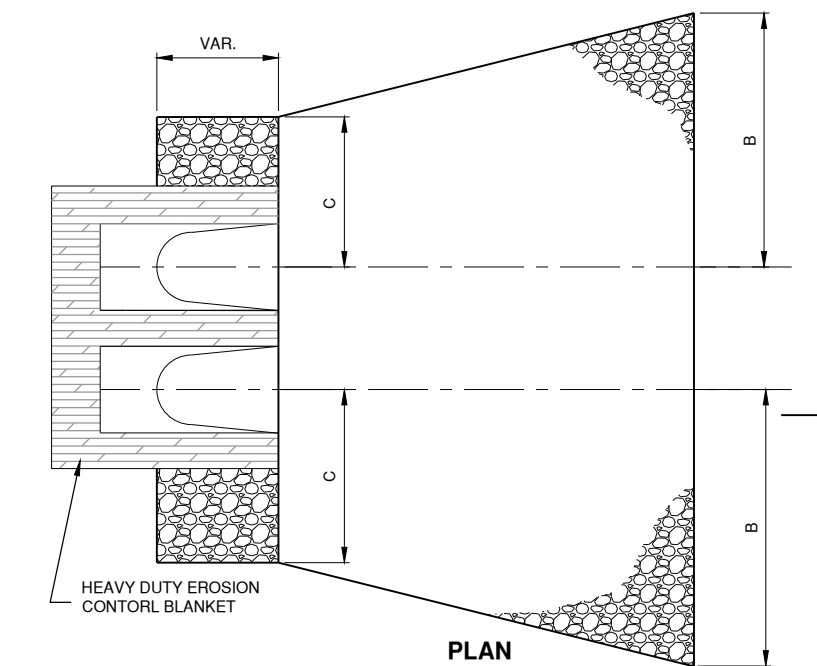


SIDE VIEW

END SECTION



SECTION A-A

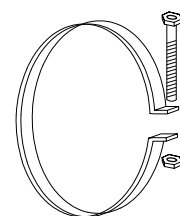


PLAN

DIMENSIONS - TABLE 1

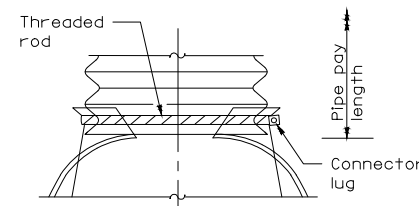
INSIDE DIAMETER STORM SEWER (IN.)	OUTLET DIMENSION (FT.)			INLET DIMENSION (FT.)		
	A	B	C	A	B	C
8"	8	5	2	8	5	2

RIP-RAP DETAILS
N.T.S.



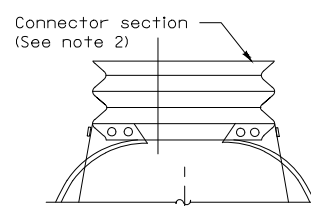
ALTERNATE STRAP CONNECTOR
(For Type 1 only)

1 (25) wide, 0.109 (2.77) thick strap with standard 1/2x6 (M12x150) band bolt and nut.



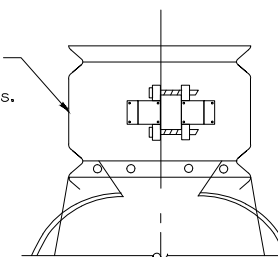
TYPE 1

For 8 (300) thru 24 (600) only
(See Note 1)



TYPE 3

(See Note 2)

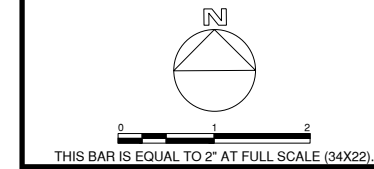


TYPE 4

(See Note 3)

CONNECTIONS OF END SECTIONS

THE ENGINEER SHALL DETERMINE THE FINAL RIP-RAP CONFIGURATION IN THE FIELD. NO DIRECT PAYMENT WILL BE MADE FOR RIPRAP, FILTER FABRIC AND EROSION CONTROL BLANKET, ALL ITEMS DETAILED SHALL BE INCIDENTAL TO THE FES INSTALLATION.



CE036

JANUARY 11, 2019

CONSTRUCT ACCESS TAXIWAY TO RUNWAY 9

OWNER



CENTRALIA MUNICIPAL AIRPORT
CITY OF CENTRALIA, ILLINOIS
CENTRALIA, ILLINOIS

MARK	DATE	DESCRIPTION

AIP PROJ. NO. 3-17-SBGP-144

IL PROJ. NO. ENL 4661

CMT PROJECT NO: 17072-02-00

CAD DWG FILE: 1707202-CG103.DWG

DESIGNED BY: AJJ

DRAWN BY: DPA

CHECKED BY: RLV

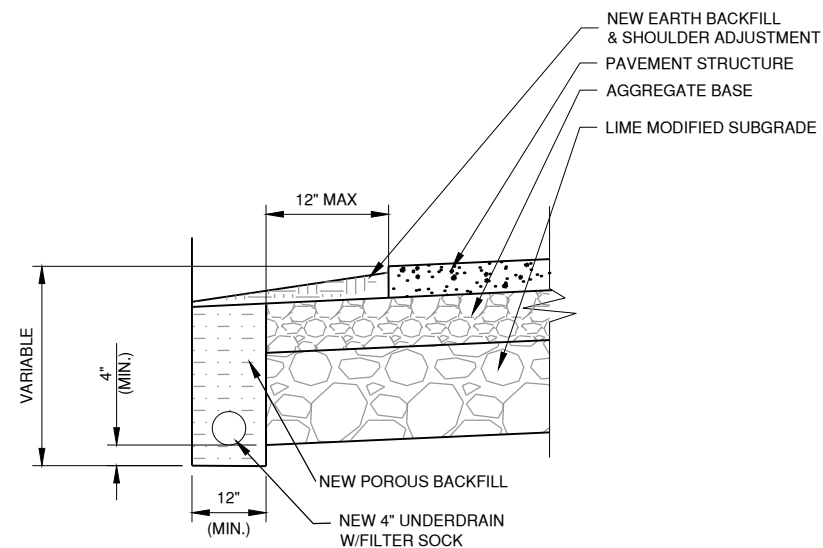
APPROVED BY: CBG

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SHEET TITLE

UNDERDRAIN
DETAILS

CG103
SHEET 14 OF 25



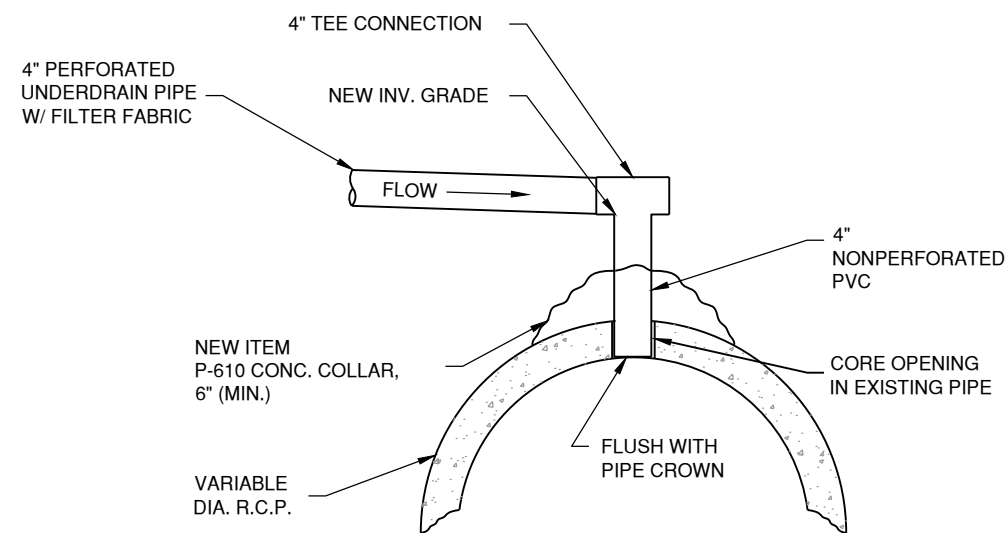
PAVEMENT EDGE

TYPICAL UNDERDRAIN DETAIL

N.T.S.

NOTE:

DURING UNDERDRAIN CONSTRUCTION, CARE SHALL BE TAKEN TO ENSURE GOOD DRAINAGE BETWEEN THE BASE AND THE POROUS BACKFILL MATERIAL WHICH WILL AFFECT DRAINAGE.

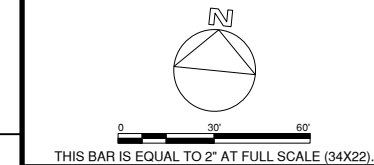


UNDERDRAIN DIRECT TOP CONNECTION DETAIL

N.T.S.

NOTE:

CONTRACTOR SHALL VERIFY THE GRADES OF THE EXISTING UNDERDRAINS. TYPICAL CONNECTION TO RCP IS SHOWN. CONTRACTOR MAY BE REQUIRED TO CORE INTO SIDE OF EXISTING PIPE.



CE036

JANUARY 11, 2019

CONSTRUCT ACCESS TAXIWAY TO RUNWAY 9

OWNER



CENTRALIA MUNICIPAL AIRPORT
CITY OF CENTRALIA, ILLINOIS
CENTRALIA, ILLINOIS

MARK	DATE	DESCRIPTION

AIP PROJ. NO. 3-17-SBGP-144

IL PROJ. NO. ENL 4661

CMT PROJECT NO: 17072-02-00

CAD DWG FILE: 1707202-EL101.DWG

DESIGNED BY: AJJ

DRAWN BY: DPA

CHECKED BY: RLV

APPROVED BY: CBG

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SHEET TITLE

LIGHTING & SIGN
PLAN 1

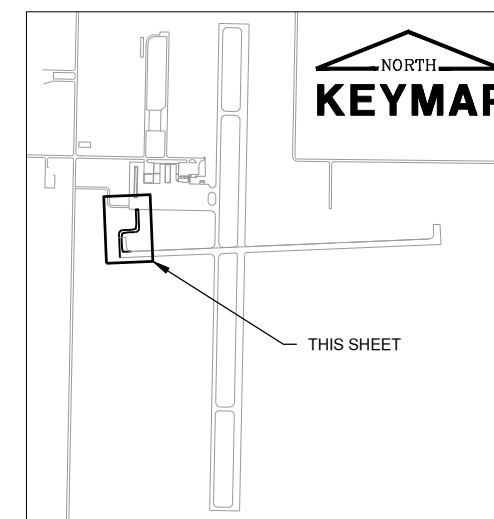
EL101
SHEET 15 OF 25

NOTES

1. NEW LIGHTING CIRCUIT AND EQUIPMENT INSTALLED SHALL INCLUDE A COUNTERPOISE. SEE DETAIL ON SHEET EL501.
2. ALL LIGHTS SHALL BE 10' FROM EDGE OF FULL STRENGTH PAVEMENT AND CONSTRUCTED IN A STRAIGHT LINE PARALLEL WITH TAXIWAY CENTERLINE.
3. DUCT MARKERS SHALL BE INSTALLED FOR ALL DUCTS ON BOTH SIDES OF NEW PAVEMENT. SEE DETAIL SHEET EL504. THIS SHALL INCIDENTAL TO THE CONTRACT FOR DUCT BANKS.

LEGEND

- — — — — EXISTING UNDERGROUND POWER CABLE
- ⊗ ⊗ ⊗ EXISTING THRESHOLD LIGHTS
- ▭ EXISTING GUIDANCE SIGN TO BE RELOCATED
- ⊞ EXISTING BASE MOUNTED RUNWAY LIGHT
- ⊞ EXISTING STAKE MOUNTED RUNWAY LIGHT
- — — — — EXISTING PAVEMENT
- — — — — PROPOSES PAVEMENT
- · - · - · - NEW 1/C #8 5 KV CABLE IN UD
- — — — — NEW 1/C #6 COUNTERPOISE
- NEW TAXIWAY STAKE MOUNTED LIGHT - LED
- ⊞ NEW TAXIWAY BASE MOUNTED LIGHT - LED
- ▭ NEW 2 WAY CONCRETE ENCASED DUCT BANK
- ⊞ NEW GROUND ROD



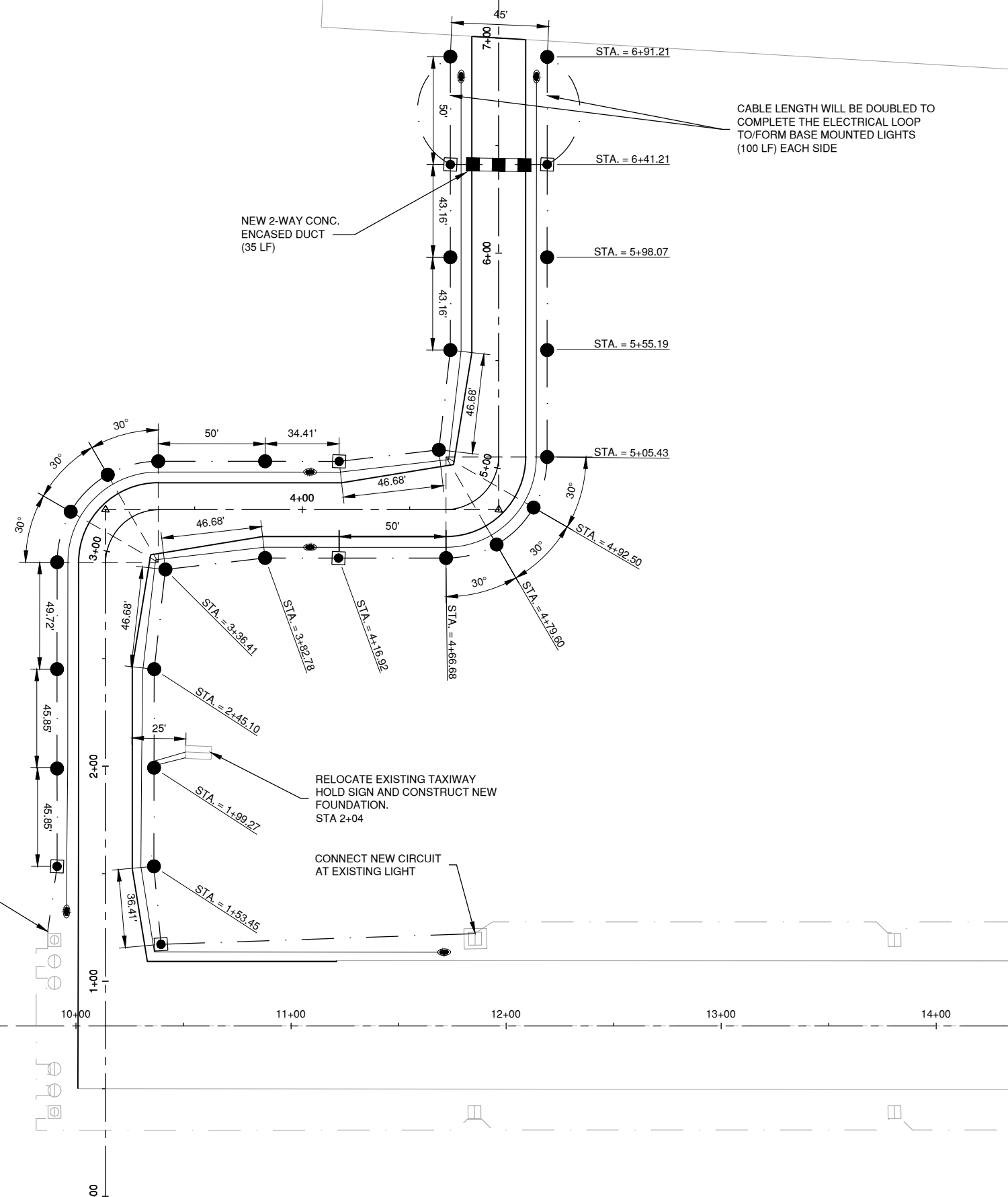
CABLE LENGTH WILL BE DOUBLED TO COMPLETE THE ELECTRICAL LOOP TO/FROM BASE MOUNTED LIGHTS (100 LF) EACH SIDE

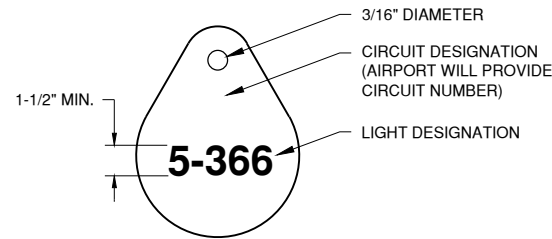
NEW 2-WAY CONC. ENCASED DUCT (35 LF)

RELOCATE EXISTING TAXIWAY HOLD SIGN AND CONSTRUCT NEW FOUNDATION. STA 2+04

CONNECT NEW CIRCUIT AT EXISTING LIGHT

CONNECT NEW CIRCUIT AT EXISTING LIGHT

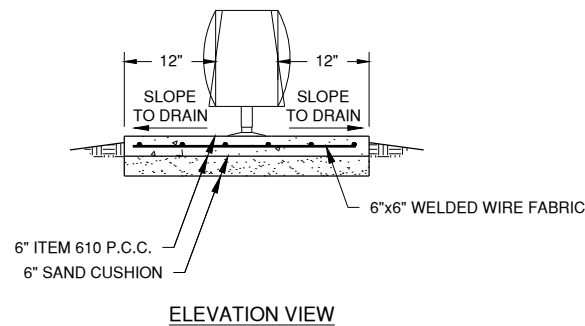




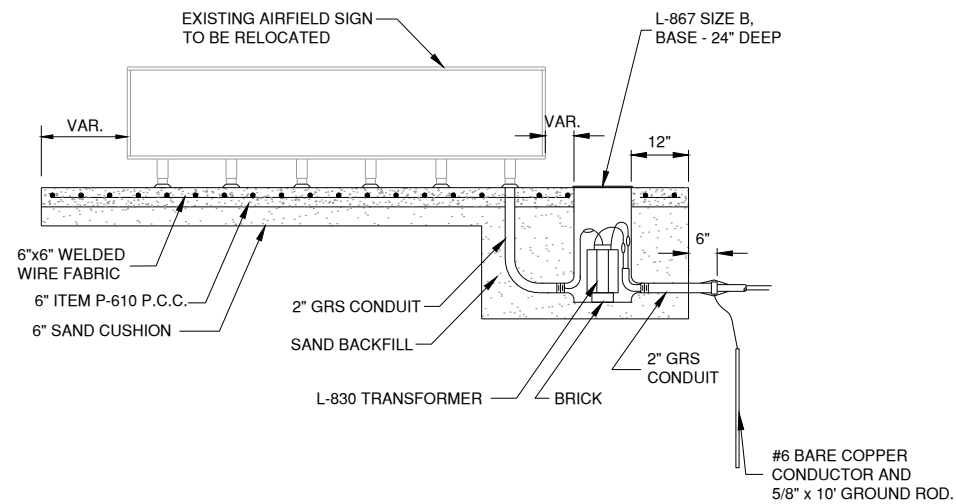
LIGHT IDENTIFICATION TAG DETAIL
N.T.S.

NOTES

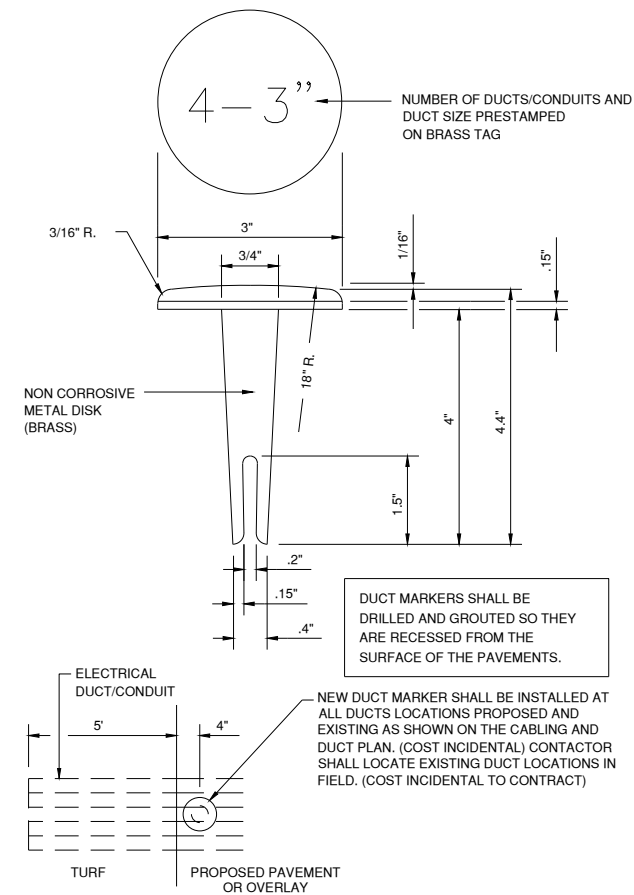
1. INSTALL A NONCORROSIVE DISC OF 2" MINIMUM DIAMETER WITH THE NUMBER PERMANENTLY STAMPED, CUT OUT, OR ENGRAVED UNDER THE HEAD OF THE BASE PLATE BOLT OR ATTACHED TO LIGHT FLANGE WITH SET SCREW.
2. NUMERALS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY, AND SHALL BE AS DIRECTED BY THE RESIDENT ENGINEER.
3. AIRFIELD SIGNS SHALL BE TAGGED AND NUMBERED.
4. THE CONTRACTOR SHALL NUMBER THE EXISTING AND PROPOSED LIGHTS AND SIGNS IN EACH CIRCUIT, STARTING AT THE HOMERUN AND CONTINUING AROUND THE ENTIRE CIRCUIT, BACK TO THE HOMERUN.



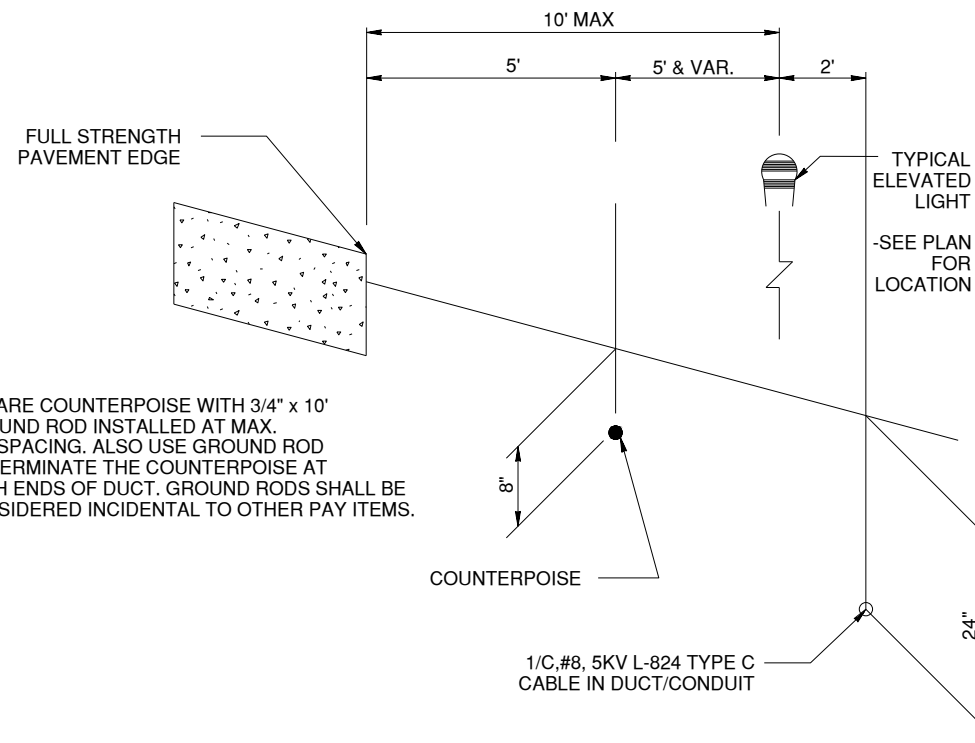
ELEVATION VIEW



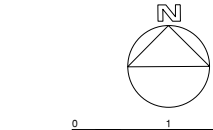
NEW SIGN BASE DETAIL
N.T.S.



IN-PAVEMENT DUCT MARKER DETAIL
N.T.S.



COUNTERPOISE LOCATION DETAIL
N.T.S.



THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

CE036

JANUARY 11, 2019

CONSTRUCT ACCESS TAXIWAY TO RUNWAY 9

OWNER



CENTRALIA MUNICIPAL AIRPORT
CITY OF CENTRALIA, ILLINOIS
CENTRALIA, ILLINOIS

MARK	DATE	DESCRIPTION

AIP PROJ. NO. 3-17-SBGP-144

IL PROJ. NO. ENL 4661

CMT PROJECT NO: 17072-02-00

CAD DWG FILE: 1707202-EL501.DWG

DESIGNED BY: AJJ

DRAWN BY: DPA

CHECKED BY: RLV

APPROVED BY: CBG

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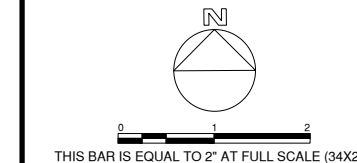
SHEET TITLE

ELECTRICAL DETAILS

1

EL501

SHEET 16 OF 25



CE036

JANUARY 11, 2019

CONSTRUCT ACCESS TAXIWAY TO RUNWAY 9

OWNER



**CENTRALIA MUNICIPAL AIRPORT
CITY OF CENTRALIA, ILLINOIS
CENTRALIA, ILLINOIS**

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CMT PROJECT NO: 17072-02-00

CAD DWG FILE: 1707202-EL502.DWG

DESIGNED BY: AJJ

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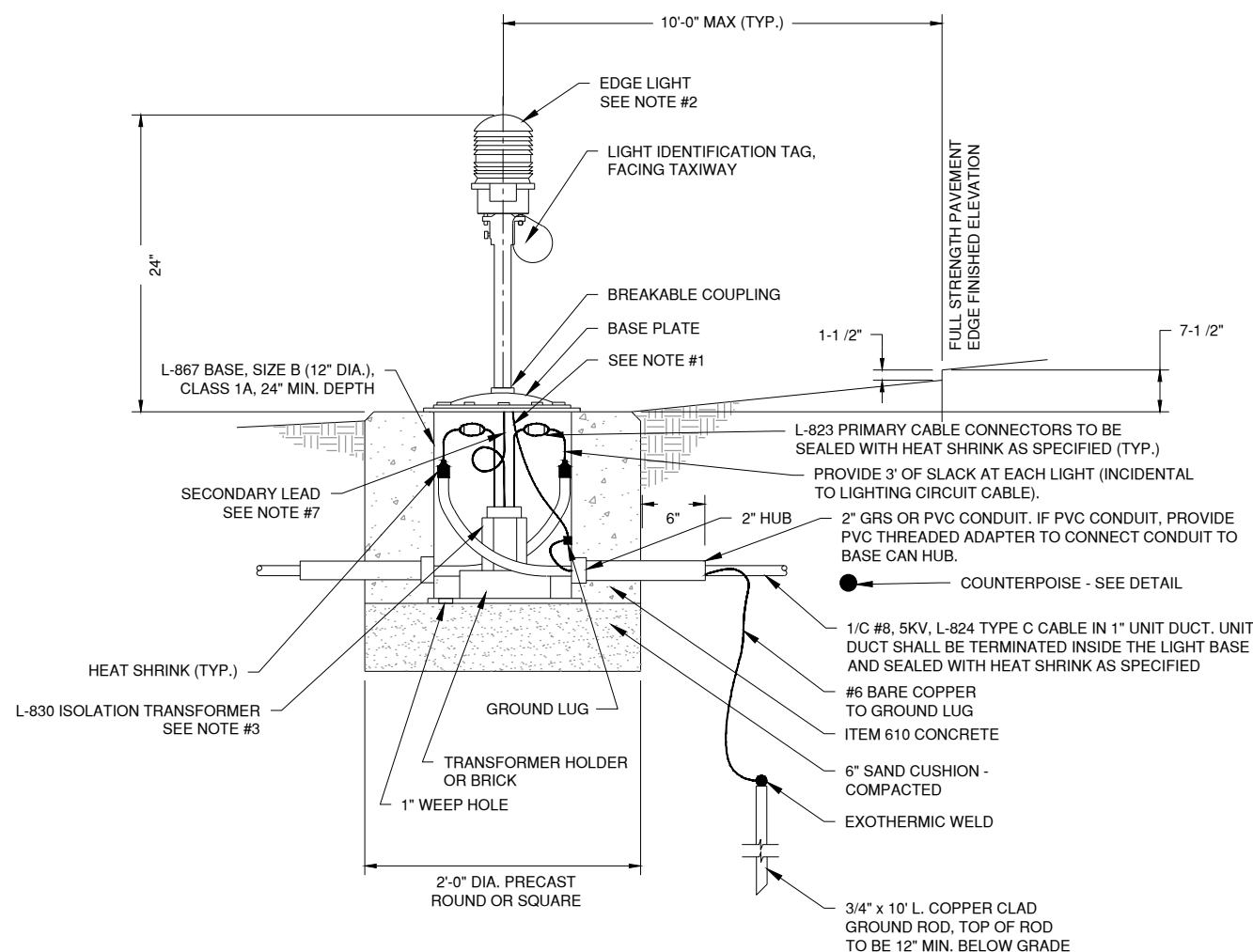
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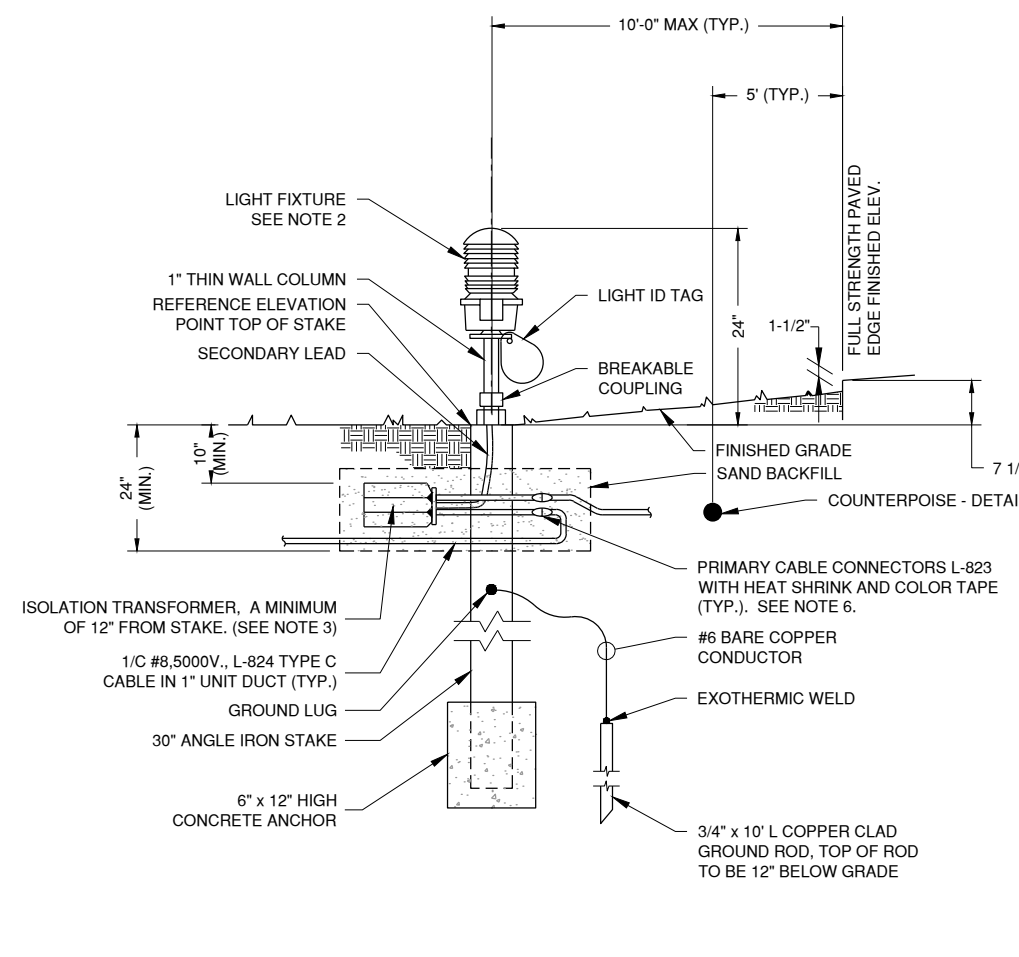
SHEET TITLE

ELECTRICAL DETAILS
2

EL502
SHEET 17 OF 25



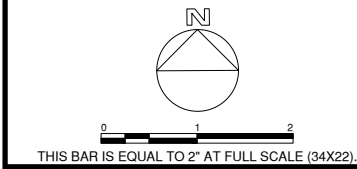
BASE MOUNTED EDGE LIGHT - LED
N.T.S.



STAKE MOUNTED MEDIUM INTENSITY LIGHTS - LED
N.T.S.

NOTES

- CABLES SHALL NOT BE LESS THAN 24 INCHES DEEP. ENCASE ISOLATION TRANSFORMER, L-823 CONNECTORS, AND 2 FOOT MINIMUM OF L-824 CABLE SLACK IN SAND BACKFILL.
- LIGHT FIXTURES SHALL BE L-861 AS INDICATED ON THE PLANS AND SPECIFICATIONS. EDGE LIGHTS SHALL BE LED.
- L-830 ISOLATION TRANSFORMERS FOR LED EDGE LIGHTS SHALL BE L-830-1 30/45 WATT. LED EDGE LIGHTS WITHOUT HEATERS SHALL BE L-830-16, 1/5 WATT OR L-830-17, 20/25 WATT, AS RECOMMENDED BY LIGHT MANUFACTURER.
- UNIT DUCT, WHERE INSTALLED, SHALL BE TERMINATED AT L-823 CONNECTORS AND SEALED TO MAKE WATERTIGHT.
- DO NOT INSTALL ANGLE IRON STAKE BY DRIVING. MAKE ELECTRICAL CONNECTIONS AND BACKFILL AROUND THE STAKE WITH EARTH PASSING THE 1-INCH SIEVE. COMPACT AS REQUIRED TO PROVIDE FIRM SUPPORT FOR STAKE, AND TO THE SATISFACTION OF THE RESIDENT ENGINEER.
- THE LIGHT FIXTURE SHALL BE BONDED TO THE LIGHT BASE INTERNAL GROUND LUG VIA A #6 AWG STRANDED COPPER WIRE RATED FOR 600 VOLTS WITH GREEN XHHW INSULATION. THE GROUND WIRE LENGTH SHALL BE SUFFICIENT TO ALLOW THE REMOVAL OF THE LIGHT FIXTURE FROM THE LIGHT BASE FOR ROUTINE MAINTENANCE. SEE THE LIGHT FIXTURE MANUFACTURER'S INSTRUCTIONS FOR PROPER METHODS OF ATTACHING THIS BONDING WIRE.
- THE TOLERANCE FOR THE HEIGHT OF RUNWAY/TAXIWAY EDGE LIGHTS MUST BE ± 1 INCH. THE TOLERANCE FOR THE LATERAL SPACING (LIGHT LANE TO RUNWAY/TAXIWAY CENTERLINE) OF RUNWAY/TAXIWAY EDGE LIGHTS MUST BE ± 1 INCH.
- DIRECTION OF PRIMARY CABLES MUST BE IDENTIFIED BY COLOR CODING AS FOLLOWS: WHEN FACING LIGHT WITH BACK FACING PAVEMENT, CABLE TO THE LEFT IS CODED RED AND CABLE TO THE RIGHT IS CODED BLUE.
- APPLY A CORROSION INHIBITING, ANTI-SEIZE COMPOUND TO ALL SCREWS, NUTS AND FRANGIBLE COUPLING THREADS. IF COATED BOLTS ARE USED PER ENGINEERING BRIEF #83, DO NOT APPLY ANTI-SEIZE COMPOUND.
- ELECTRICAL INSULATING GREASE MUST BE APPLIED WITHIN THE L-830 ISOLATION TRANSFORMER SECONDARY TWO CONDUCTOR CONNECTORS TO PREVENT WATER ENTRANCE. THE CONNECTORS MUST NOT BE TAPED.
- ENTRANCES IN L-867 BASES MUST BE PLUGGED FROM THE INSIDE WITH DUCT SEAL TO MAKE WATERTIGHT.



CE036

JANUARY 11, 2019

CONSTRUCT ACCESS TAXIWAY TO RUNWAY 9

OWNER



CENTRALIA MUNICIPAL AIRPORT
CITY OF CENTRALIA, ILLINOIS
CENTRALIA, ILLINOIS

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AIP PROJ. NO. 3-17-SBGP-144

IL PROJ. NO. ENL 4661

CMT PROJECT NO: 17072-02-00

CAD DWG FILE: 1707202-EL504.DWG

DESIGNED BY: AJJ

DRAWN BY: DPA

CHECKED BY: RLV

APPROVED BY: CBG

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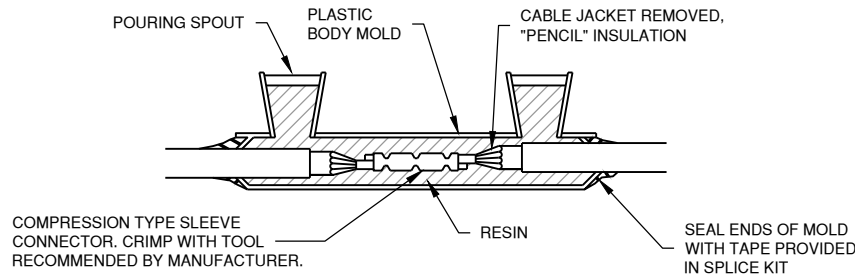
SHEET TITLE

DUCT BANK DETAILS

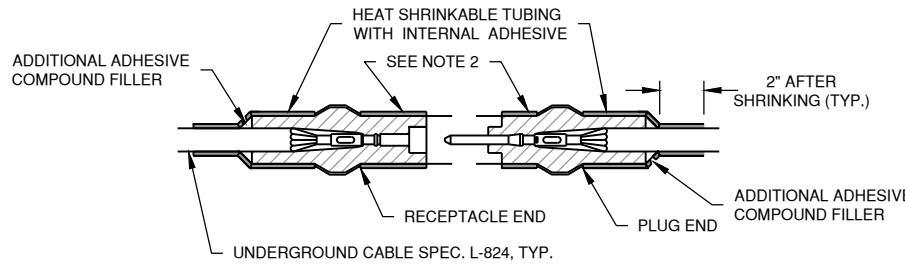
EL504

SHEET 18 OF 25

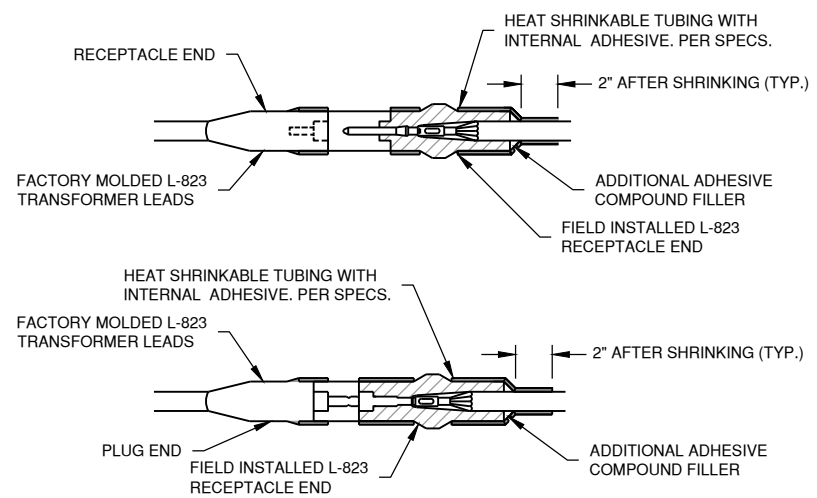
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TYPE A - CABLE SPLICE
FOR SPLICES IN HOMERUNS AND FOR EXTENSIONS TO EXISTING CABLES ONLY
N.T.S.



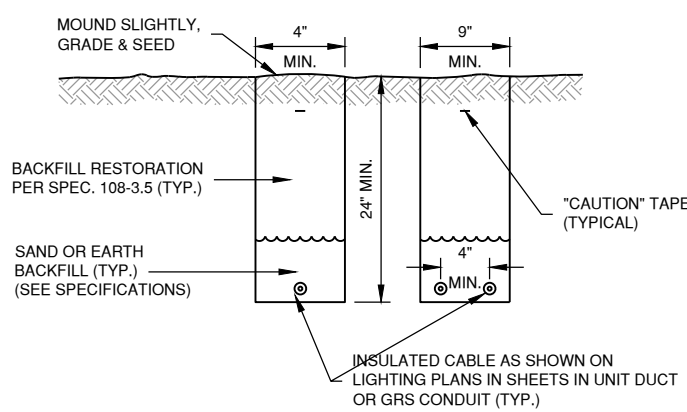
TYPE B - CABLE SPLICE
FOR SPLICES FOR USE AT JUNCTION OF HOMERUN WITH LOOP CIRCUIT
N.T.S.



TYPE C & D - CABLE SPLICE
FOR SPLICES AT RUNWAY/TAXIWAY LIGHTS AND SIGNS
N.T.S.

CABLE SPLICE NOTES

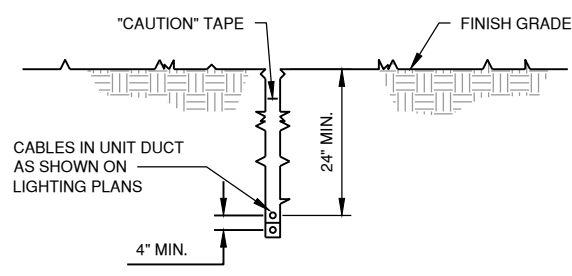
- INSIDE DIAMETER OF CONNECTOR SHALL PROPERLY MATCH THE OUTSIDE DIAMETER OF CABLE.
- WRAP WITH AT LEAST ONE LAYER OF RUBBER OR SYNTHETIC RUBBER TAPE AND ONE LAYER OF PLASTIC TAPE, ONE-HALF LAPPED, EXTENDING AT LEAST 1-1/2 INCHES ON EACH SIDE OF JOINT.
- THE COST OF FURNISHING AND INSTALLING ALL SPLICE MATERIALS SHALL BE INCIDENTAL TO THE ASSOCIATED CABLE ITEMS.
- THE CONTRACTOR SHALL HAVE A MINIMUM OF TWO (2) TYPE A SPLICE KITS ON THE JOB SITE AT ALL TIMES FOR EMERGENCY REPAIRS.



TURF AREA CABLE TRENCH DETAIL
N.T.S.

NOTES

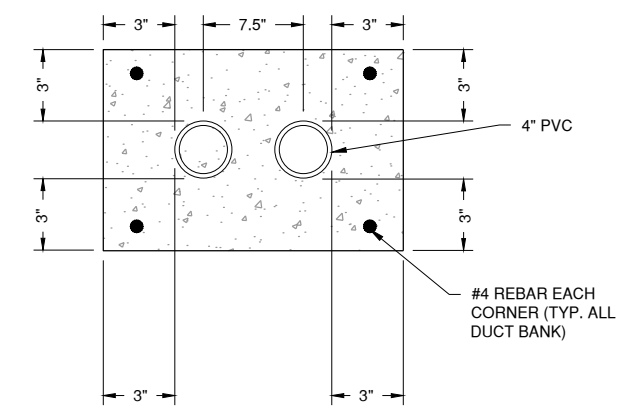
- TRENCHES WITH MORE THAN 2 CABLES SHALL BE INCREASED 4" IN WIDTH FOR EACH ADDITIONAL CABLE. IF SPECIFIED ON PLANS, TWO PARALLEL TRENCHES MAY BE CONSTRUCTED.
- DEPTH OF TRENCHES SHALL BE AS SHOWN UNLESS OTHERWISE SPECIFIED ON THE PLANS.
- SAND BACKFILL SHALL BE USED IF THE EXISTING SOIL DOES NOT MEET THE BACKFILL REQUIREMENTS.
- ALL DISTURBED SURFACES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION. COST IS INCIDENTAL.



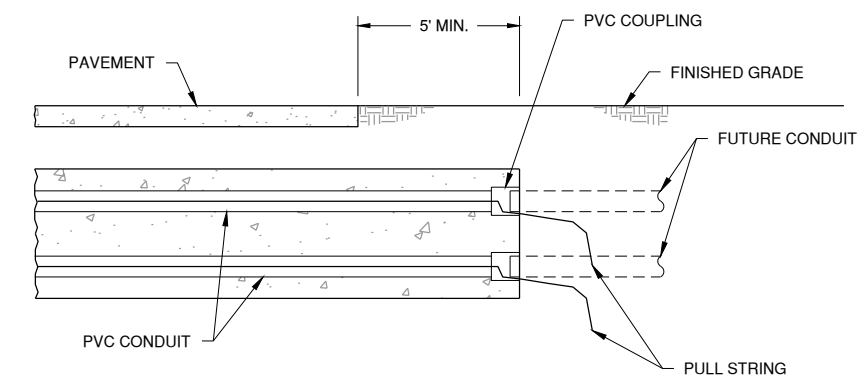
CABLE IN UNIT DUCT - PLOWED
N.T.S.

NOTES

- CONTRACTOR SHALL HAVE THE OPTION TO TRENCH OR PLOW UNIT DUCT. NO ADDITIONAL PAYMENT SHALL BE MADE FOR TRENCHING.



2-WAY DUCT BANK DETAIL
N.T.S.

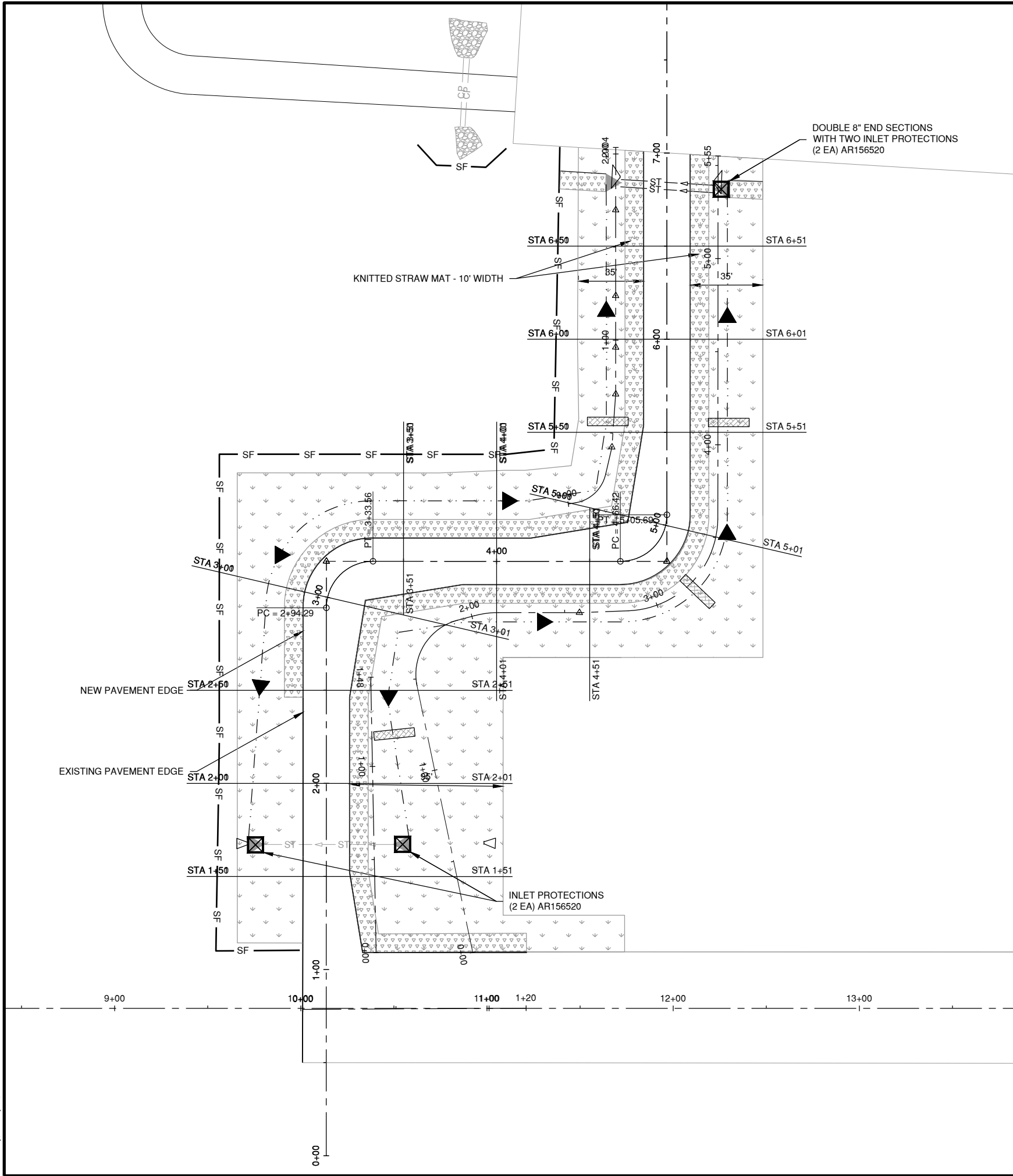


TYPICAL SECTION
N.T.S.







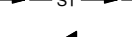


NOTES

- DIMENSIONS SHOWN ARE MINIMUM.
- TOP OF CONCRETE ENCASEMENT SHALL BE NOT LESS THAN 24 INCHES BELOW FINISHED SUBGRADE BELOW PAVEMENTS AND NOT LESS THAN 24 INCHES BELOW FINISHED GRADE IN UNPAVED AREAS, EXCEPT WHERE DIRECTED OTHERWISE BY ENGINEER. AVOID ALL CONFLICTS WITH OTHER UTILITIES (UNDERDRAINS, WATER LINES, SEWER LINES, TELEPHONE, ELECTRICAL) OR OTHER OBSTACLES, ADJUSTING DEPTH AS NECESSARY.
- CONCRETE SHALL BE ITEM 610.
- CONDUIT FOR CONCRETE ENCASEMENT SHALL BE SCHEDULE 40 PVC, 4 INCH NOMINAL DIAMETER, OR AS INDICATED ON THE PLANS.
- CONCRETE ENCASEMENT SHALL EXTEND A MINIMUM OF 5'-0" BEYOND EDGES OF PAVEMENT, OR AS SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER.
- #4 REBAR SHALL BE INSTALLED CONTINUOUS THE LENGTH OF THE CONCRETE ENCASEMENT.
- AT ENDS OF DUCT BANKS, INSTALL A PVC COUPLING FLUSH WITH END OF CONCRETE FOR CONNECTING FUTURE CONDUIT. INSTALL POLYETHYLENE PULL STRING. PLUG THE ENDS OF UNUSED SPARE CONDUITS WITH PLUGS.
- HIGH VOLTAGE WIRING, RUNWAY & TAXIWAY SERIES CIRCUIT WIRING, ETC., AND POWER WIRING OVER 480V SHALL BE INSTALLED IN SEPARATE CONDUITS FROM LOW VOLTAGE WIRING, 480V OR LESS.

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 Date: Friday, January 25, 2019 8:26:45 AM



LEGEND

-  TEMPORARY INLET PROTECTION
-  NEW SEEDING/MULCHING LIMITS
-  DITCH CHECK
-  KNITTED STRAW MAT
-  SF NEW SILT FENCE
-  ST EXISTING STORM SEWER
-  ST NEW STORM SEWER WITH FLARED END SECTION
-  NEW DRAINAGE SWALE
-  STA CROSS SECTION LOCATION

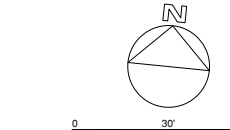
NOTE

1. CONTRACTOR SHALL RESTORE STAGING AND STORAGE AREA AT THEIR EXPENSE.
2. FINAL LOCATION OF DITCH CHECKS SHALL BE DETERMINED IN THE FIELD.



License No. 184-000613

CONSULTANTS



THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

CE036

JANUARY 11, 2019

CONSTRUCT ACCESS TAXIWAY TO RUNWAY 9

OWNER



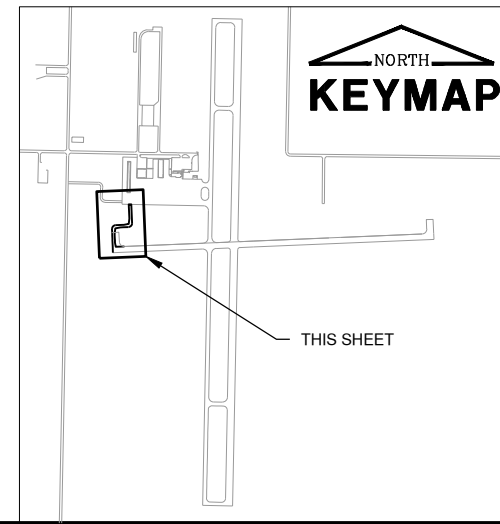
**CENTRALIA MUNICIPAL AIRPORT
 CITY OF CENTRALIA, ILLINOIS
 CENTRALIA, ILLINOIS**

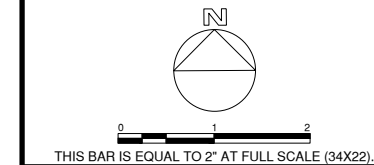
MARK	DATE	DESCRIPTION

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IL PROJ. NO. ENL	4661
CMT PROJECT NO.	17072-02-00
CAD DWG FILE:	1707202-LS101.DWG
DESIGNED BY:	AJJ
DRAWN BY:	DPA
CHECKED BY:	RLV
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SHEET TITLE
**TURFING PLAN &
 INDEX TO CROSS
 SECTIONS**

LS101
 SHEET 20 OF 25





CE036

JANUARY 11, 2019

CONSTRUCT ACCESS TAXIWAY TO RUNWAY 9

OWNER



CENTRALIA MUNICIPAL AIRPORT
CITY OF CENTRALIA, ILLINOIS
CENTRALIA, ILLINOIS

MARK	DATE	DESCRIPTION

AIP PROJ. NO. 3-17-SBGP-144

IL PROJ. NO. ENL 4661

CMT PROJECT NO: 17072-02-00

CAD DWG FILE: 1707202-LS501.DWG

DESIGNED BY: AJJ

DRAWN BY: DPA

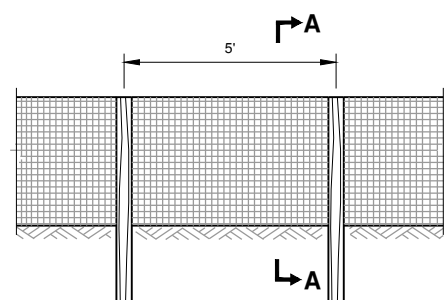
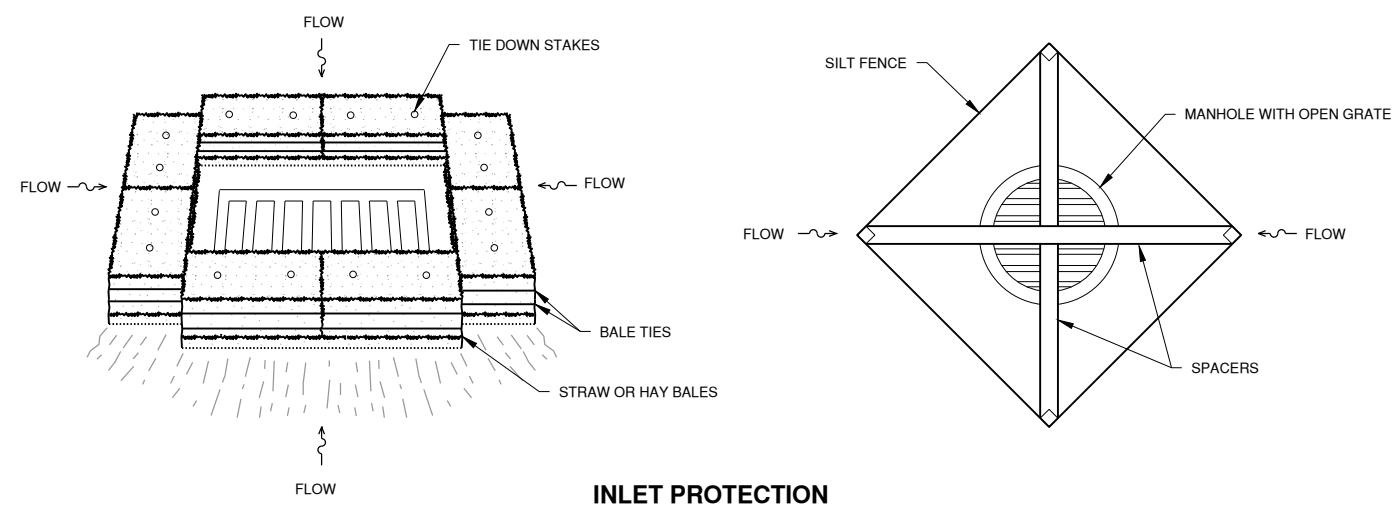
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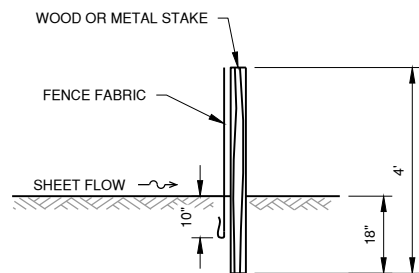
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**EROSION CONTROL
DETAILS**

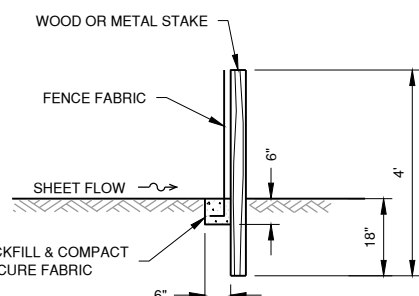


ELEVATION

**SILT FILTER FENCE AS A
PERIMETER EROSION BARRIER**

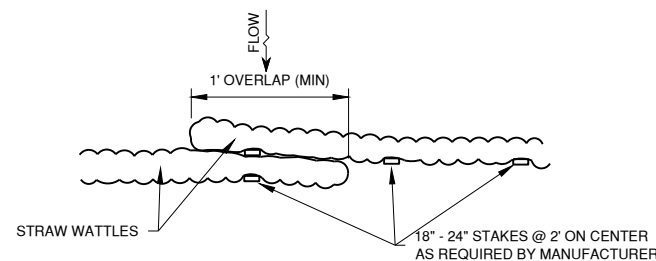


SLICE METHOD



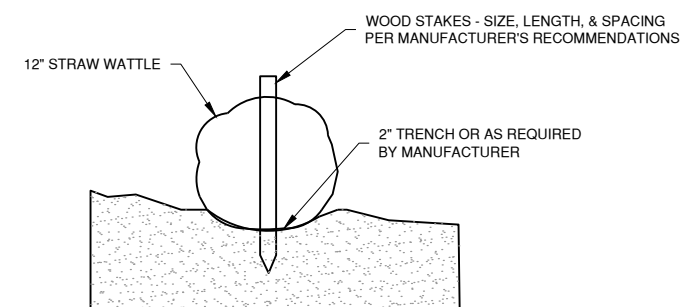
TRENCH METHOD

SECTION A-A

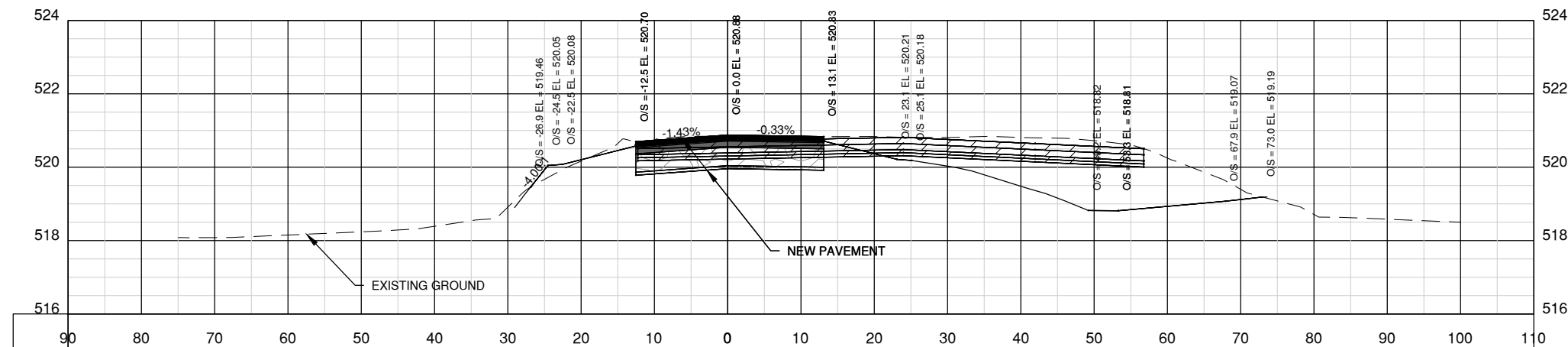


PLAN

DITCH CHECK
N.T.S.

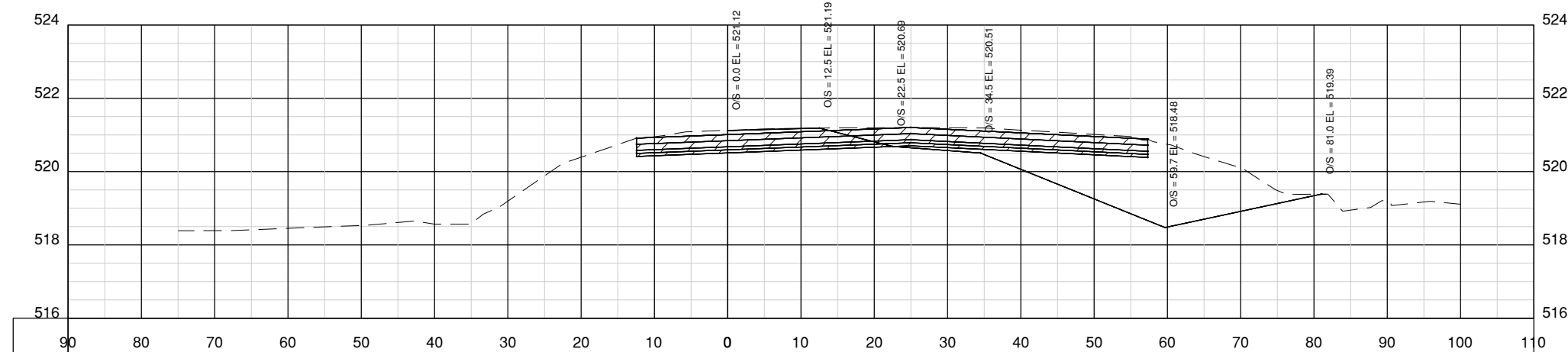


SECTION

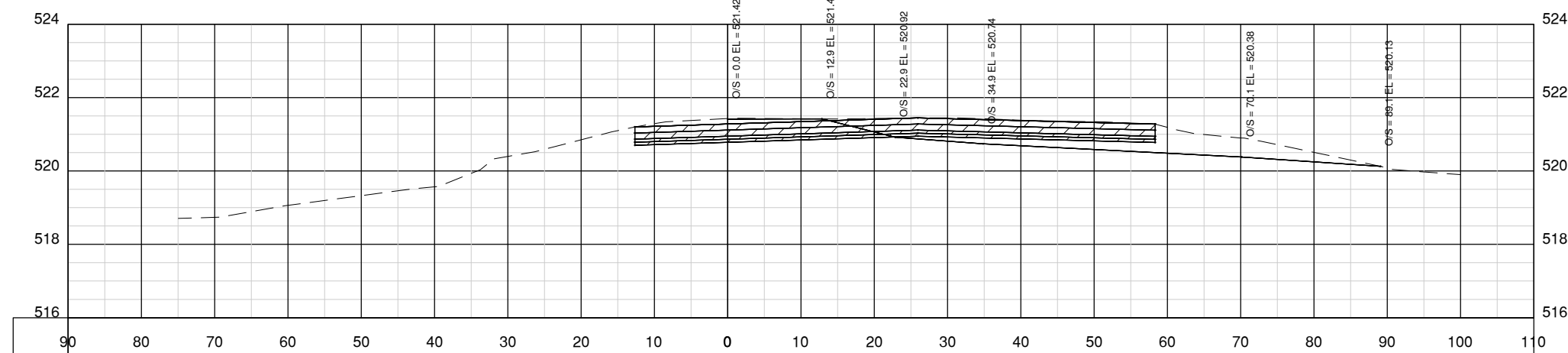


2
+
50

SECTION END AREA		
STATION	EXCAVATION END AREA (S.F.)	EMBANKMENT END AREA (S.F.)
1+50.00	39.33	0.00
2+00.00	71.19	0.00
2+50.00	53.32	1.30
3+00.00	0.00	114.79
3+50.00	0.00	62.75
4+00.00	0.00	36.10
4+50.00	1.51	7.93
5+00.00	22.09	2.42
5+50.00	28.34	0.13
6+00.00	42.91	0.00
6+50.00	67.00	0.01



2
+
00



1
+
50

CONSTRUCT ACCESS TAXIWAY
TO RUNWAY 9

OWNER



CENTRALIA MUNICIPAL AIRPORT
CITY OF CENTRALIA, ILLINOIS
CENTRALIA, ILLINOIS

MARK	DATE	DESCRIPTION

AIP PROJ. NO. 3-17-SBGP-144

IL PROJ. NO. ENL 4661

CMT PROJECT NO: 17072-02-00

CAD DWG FILE: 1707202-CG70X.DWG

DESIGNED BY: AJJ

DRAWN BY: DPA

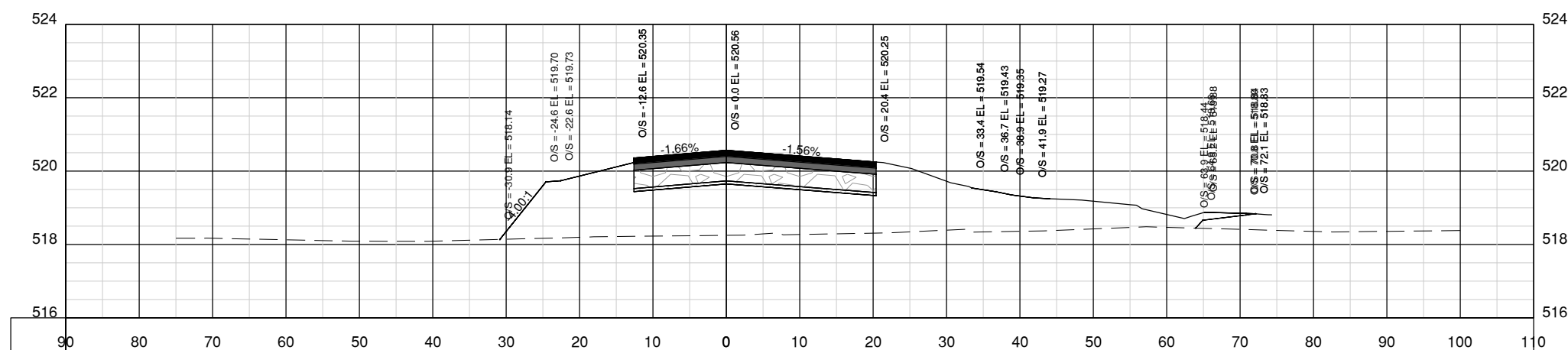
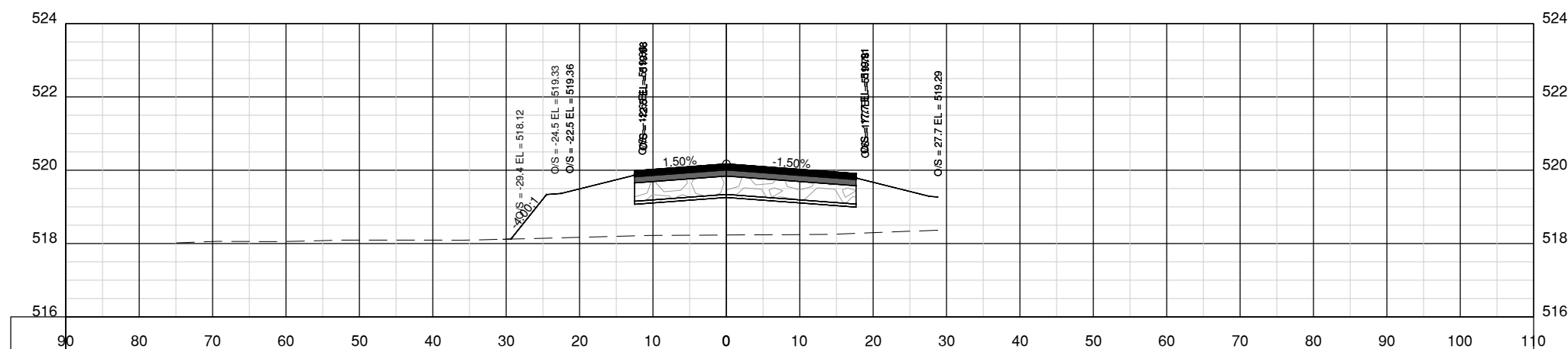
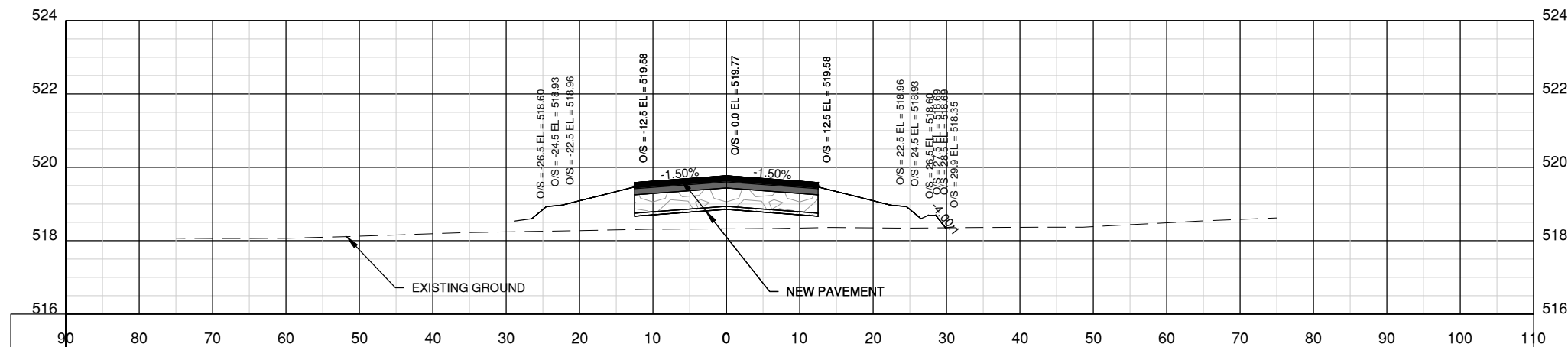
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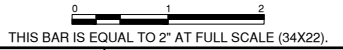
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CROSS SECTIONS 1





CE036

CONSTRUCT ACCESS TAXIWAY
TO RUNWAY 9

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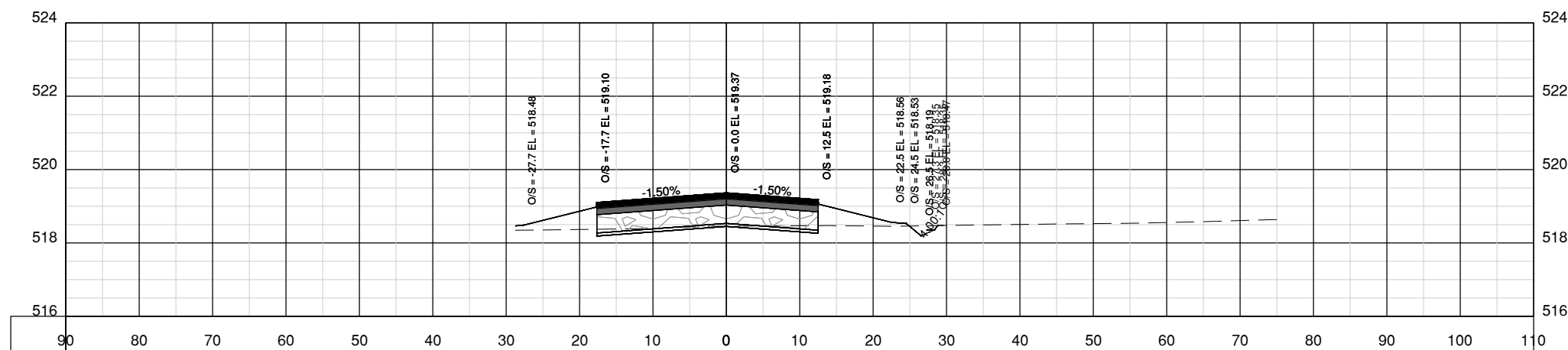
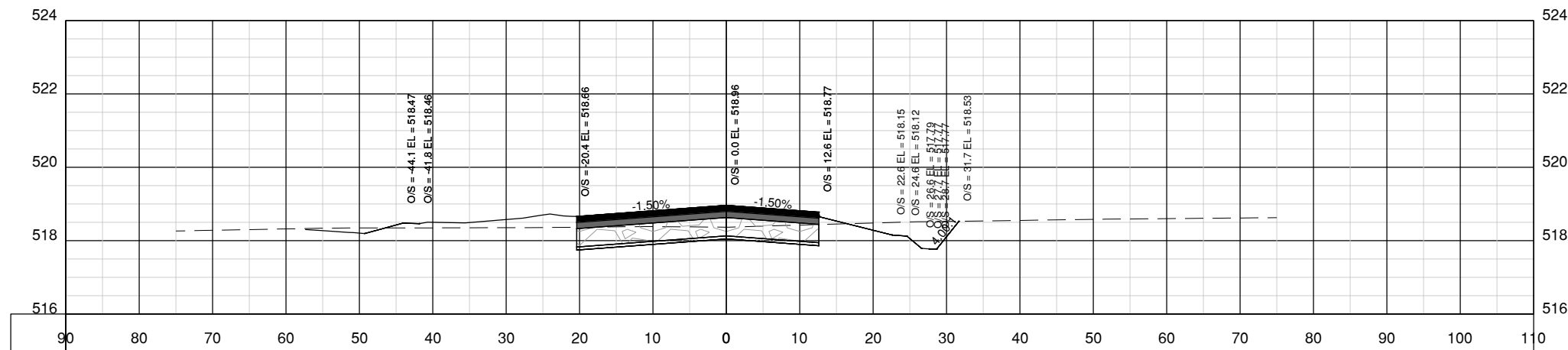
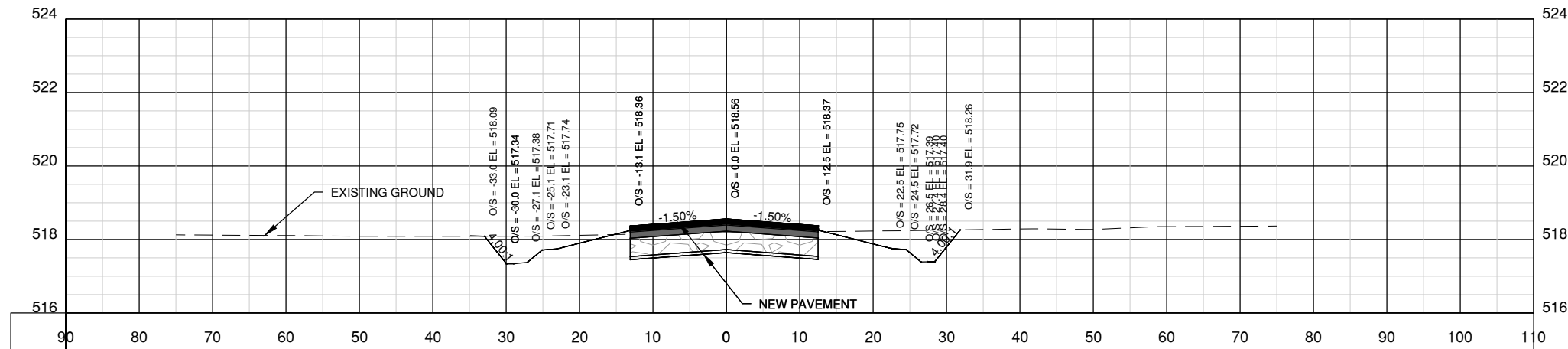
CENTRALIA MUNICIPAL AIRPORT
CITY OF CENTRALIA, ILLINOIS
CENTRALIA, ILLINOIS

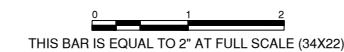
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IL PROJ. NO. ENL 4661
CMT PROJECT NO: 17072-02-00
CAD DWG FILE: 1707202-CG70X.DWG
DESIGNED BY: AJJ
DRAWN BY: DPA
CHECKED BY: RLV
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CROSS SECTIONS 3

CG703
SHEET 24 OF 25





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CENTRALIA, ILLINOIS

MARK	DATE	DESCRIPTION

AIP PROJ. NO.	3-17-SBGP-144
IL PROJ. NO. ENL	4661
CMT PROJECT NO.	17072-02-00
CAD DWG FILE:	1707202-CG70X.DWG
DESIGNED BY:	AJJ
DRAWN BY:	DPA
CHECKED BY:	RLV
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CG704
SHEET 25 OF 25

