**LETTING ITEM NO. 07A IDOT LETTING: JANUARY 17, 2025** 

## **CONSTRUCTION PLANS**

# **CONSTRUCT TRAINING ACTIVITY OPERATIONS APRON**

**JOLIET REGIONAL PORT DISTRICT** LEWIS UNIVERSITY AIRPORT (LOT) **ROMEOVILLE, WILL COUNTY, ILLINOIS** 

**SBG PROJECT NO. 3-17-SBGP-TBD IDA PROJECT NO. LOT-5151 CONTRACT NO. LE057** 

# **100% SUBMITTAL NOVEMBER 22, 2024**

SPECIAL NOTICE

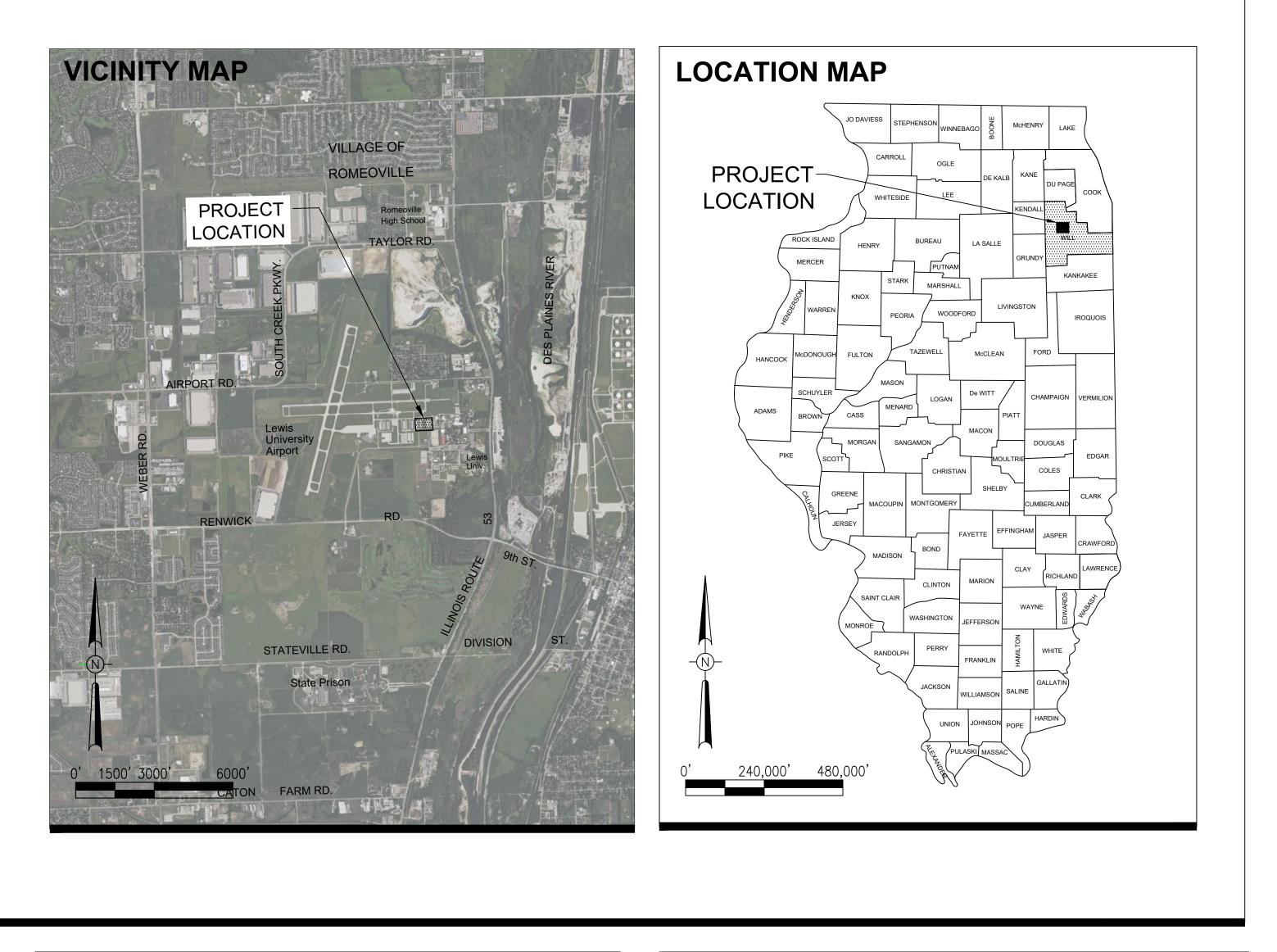
THIS PROJECT IS GOVERNED BY FAA REQUIRED BUY AMERICAN PREFERENCE REQUIREMENTS. ALL BIDS MUST INCLUDE COMPLETED FAA REQUIRED CERTIFICATIONS AT THE TIME OF BID. SEE THE BID PROPOSAL AND ANY SOLICITATION ADDENDA REGARDING THIS MATTER.

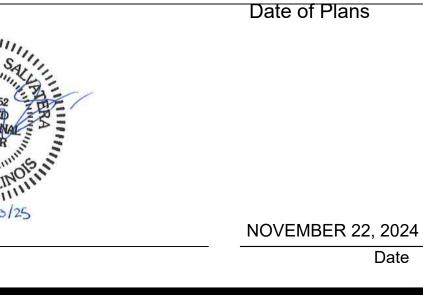
NOTICE TO CONTRACTORS AND BIDDERS

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 |
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|            | HILLSONNA STATISTICS | Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Constant<br>Con |
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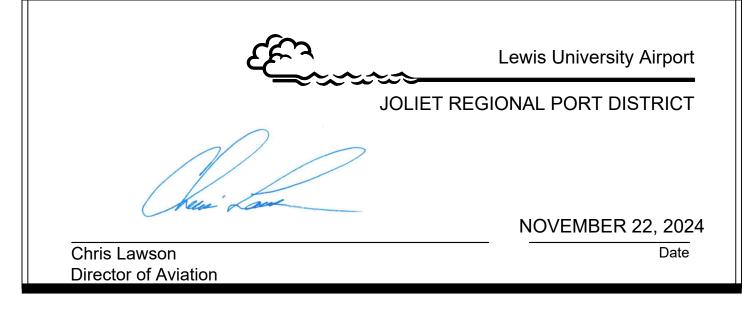
Date



Ronald M. Hudson, AICP Project Manager

**NOVEMBER 22, 2024** Date

### **LE057** TOTAL SHEETS = 30



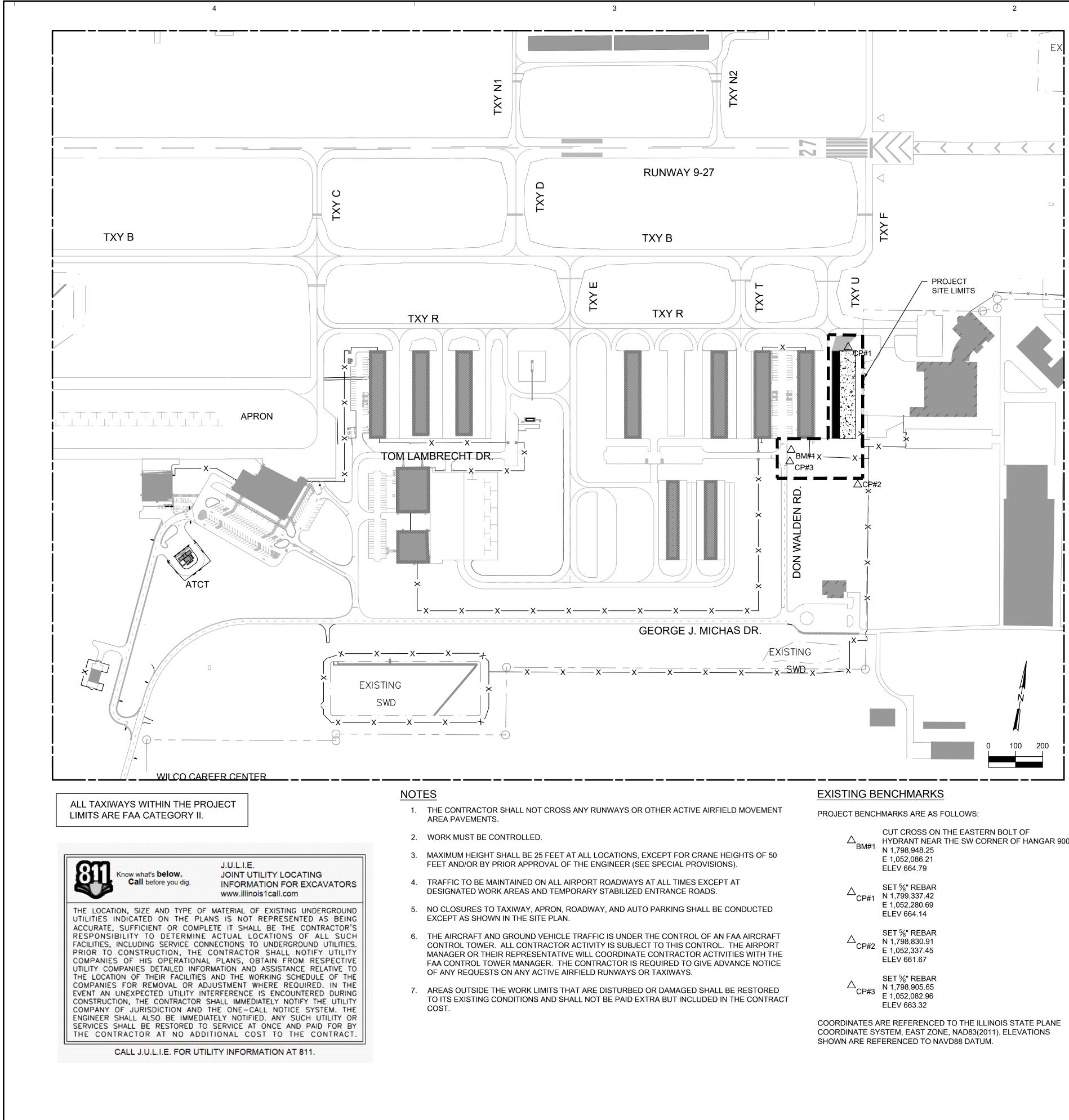
|           | INDEX OF SHEETS                                     |
|-----------|---|
| SHEET NO. | TITLE   |
| 1         | COVER SHEET   |
| 2         | INDEX OF SHEETS AND SUMMARY OF QUANTITIES           |
| 3         | SITE PLAN / PROJECT CONTROL PLAN / GENERAL NOTES    |
| 4         | CONSTRUCTION PHASING AND SAFETY PLAN - PHASE 1      |
| 5         | CONSTRUCTION PHASING AND SAFETY PLAN - PHASE 2      |
| 6         | CONSTRUCTION SAFETY PLAN - GENERAL NOTES            |
| 7         | CONSTRUCTION SAFETY PLAN - DETAILS                  |
| 8         | EXISTING CONDITIONS AND PROPOSED DEMOLITION PLAN    |
| 9         | TYPICAL SECTIONS AND PAVEMENT DETAILS               |
| 10        | PROPOSED PAVEMENT GEOMETRY PLAN                     |
| 11        | PAVEMENT JOINTING PLAN                              |
| 12        | PAVEMENT JOINTING DETAILS                           |
| 13        | GRADING AND PAVEMENT ELEVATION PLAN                 |
| 14        | PAVEMENT MARKING AND TIE DOWN LAYOUT PLAN           |
| 15        | DRAINAGE AND OIL CONTAINMENT SUMP PLAN              |
| 17        | DRAINAGE DETAILS - 1                                |
| 18        | DRAINAGE DETAILS - 2                                |
| 19        | DRAINAGE DETAILS - 3                                |
| 20        | DRAINAGE DETAILS - 4                                |
| 21        | OIL CONTAINMENT SUMP DETAILS - 1                    |
| 22        | OIL CONTAINMENT SUMP DETAILS - 2                    |
| 23        | ELECTRICAL AND LIGHTING PLAN                        |
| 24        | ELECTRICAL AND LIGHTING DETAILS - 1                 |
| 25        | ELECTRICAL AND LIGHTING DETAILS - 2                 |
| 26        | SOIL EROSION AND SEDIMENT CONTROL PLAN              |
| 27        | SOIL EROSION AND SEDIMENT CONTROL NOTES AND DETAILS |
| 28        | GEOTECHNICAL INVESTIGATION INFORMATION - 1          |
| 29        | GEOTECHNICAL INVESTIGATION INFORMATION - 2          |
| 30        | EARTHWORK SUMMARY TABLE                             |



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| SUMMARY OF QUANTITIES |   |             |                  |                    |  |
|-----------------------|---|-------------|------------------|--------------------|--|
| CONST                 | RUCT TRAINING ACTIVITY OPERATIONS APRON |             |                  |                    |  |
| ITEM NO.              | DESCRIPTION                             | UNITS       | PLAN<br>QUANTITY | RECORD<br>QUANTITY |  |
| AR108051              | POWER CABLE IN UNIT DUCT                | LINEAR FOOT | 540              |                    |  |
| AR106502              | APRON LIGHT POLE W/ DOUBLE FIXTURE      | EACH        | 2                |                    |  |
| AR110502              | 2-WAY CONCRETE ENCASED DUCT             | LINEAR FOOT | 165              |                    |  |
| AR150510              | ENGINEER'S FIELD OFFICE                 | LUMP SUM    | 1                |                    |  |
| AR150520              | MOBILIZATION                            | LUMP SUM    | 1                |                    |  |
| AR150530              | TRAFFIC MAINTENANCE                     | LUMP SUM    | 1                |                    |  |
| AR150540              | HAUL ROUTE                              | LUMP SUM    | 1                |                    |  |
| AR152410              | UNCLASSIFIED EXCAVATION                 | CUBIC YARD  | 4497             |                    |  |
| AR152440              | BORROW EXCAVATION                       | CUBIC YARD  | 735              |                    |  |
| AR152540              | SOIL STABILIZATION FABRIC               | SQUARE YARD | 3640             |                    |  |
| AR154606              | GRANULAR DRAINAGE SUBBASE - 6"          | SQUARE YARD | 3640             |                    |  |
| AR156510              | SILT FENCE                              | LINEAR FOOT | 150              |                    |  |
| AR156511              | DITCH CHECK                             | EACH        | 2                |                    |  |
| AR156520              | INLET PROTECTION                        | EACH        | 10               |                    |  |
| AR156540              | RIPRAP                                  | SQUARE YARD | 45               |                    |  |
|                       | RELOCATE CLASS C FENCE                  |             |                  |                    |  |
| AR161960              |   |             | 310              |                    |  |
| AR209612              | CRUSHED AGG. BASE COURSE - 12"          | SQUARE YARD | 1451             |                    |  |
| AR401613              | BIT. SURF CSE METHOD I, SUPERPAVE       | TON         | 158              |                    |  |
| AR401660              | SAW & SEAL BIT. JOINTS                  | LINEAR FOOT | 455              |                    |  |
| AR401665              | BITUMINOUS PAVEMENT SAWING              | LINEAR FOOT | 455              |                    |  |
| AR403613              | BIT. BASE CSE METHOD I, SUPERPAVE       | TON         | 217              |                    |  |
| AR501506              | 6" PCC PAVEMENT                         | SQUARE YARD | 2167             |                    |  |
| AR501530              | PCC TEST BATCH                          | EACH        | 1                |                    |  |
| AR510510              | TIE DOWN                                | EACH        | 18               |                    |  |
| AR602510              | BITUMINOUS PRIME COAT                   | GALLON      | 422              |                    |  |
| AR603510              | BITUMINOUS TACK COAT                    | GALLON      | 422              |                    |  |
| AR620520              | PAVEMENT MARKING-WATERBORNE             | SQUARE FOOT | 300              |                    |  |
| AR620525              | PAVEMENT MARKING-BLACK BORDER           | SQUARE FOOT | 300              |                    |  |
| AR701010              | 10" PVC STORM SEWER                     | LINEAR FOOT | 39               |                    |  |
| AR701012              | 12" PVC STORM SEWER                     | LINEAR FOOT | 192              |                    |  |
| AR701512              | 12" RCP, CLASS N                        | LINEAR FOOT | 168              |                    |  |
| AR701515              | 15" RCP, CLASS N                        | LINEAR FOOT | 93               |                    |  |
| AR701518              | 18" RCP, CLASS IV                       | LINEAR FOOT | 73               |                    |  |
| AR705506              | 6" PERFORATED UNDERDRAIN                | LINEAR FOOT | 785              |                    |  |
| AR705630              | UNDERDRAIN INSPECTION HOLE              | EACH        | 3                |                    |  |
| AR705640              | UNDERDRAIN CLEANOUT                     | EACH        | 2                |                    |  |
| AR705900              | REMOVE UNDERDRAIN                       | LINEAR FOOT | 452              |                    |  |
| AR705903              | REMOVE UNDERDRAIN INSP. HOLE            | EACH        | 1                |                    |  |
| AR751001              | TRENCH DRAIN                            | LINEAR FOOT | 323              |                    |  |
| AR751411              | INLET-TYPE A                            | EACH        | 2                |                    |  |
| AR751540              | MANHOLE 4'                              | EACH        | 2                |                    |  |
| AR751560              | MANHOLE 6'                              | EACH        | 1                |                    |  |
| AR752600              | CONCRETE HEADWALL                       | EACH        | 2                |                    |  |
| AR752000              | RELOCATE END SECTION                    | EACH        | 1                |                    |  |
|                       | OIL CONTAINMENT SUMP                    | EACH        | 2                |                    |  |
| AR801039              |   |             |                  |                    |  |
| AR801040              | BORE AND JACK 18" DI PIPE               | LINEAR FOOT | 50               |                    |  |
| AR801010              | INFILTRATION TRENCH - TYPE A            | LINEAR FOOT | 315              |                    |  |
| AR901515              | SEEDING                                 | SQUARE YARD | 1782             |                    |  |
| AR905530              | TOPSOILING                              | SQUARE YARD | 1782             |                    |  |
| AR908525              | KNITTED STRAW MAT                       | SQUARE YARD | 1782             |                    |  |

| 1 | So WEST JACKSON BLVD., SJTE GOD, CHCAGO, ILLINOS GOGO<br>Lewis University Airport<br>JOLIET REGIONAL PORT DISTRICT |
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| ß |  |
|   | OPERATIONS APRON<br>IDA No: LOT-5151<br>BCM NO. LE057<br>SBG No: 3-17-SBGP-TBD<br>KEY PLAN                         |
| c | DRAWING TITLE<br>INDEX OF SHEETS<br>AND SUMMARY OF<br>QUANTITIES   |
|   | APPROVED SHEET NO.<br>RMH<br>CHECKED 2<br>KWS<br>DRAWN BY<br>JVJ   |



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| ∆<br>BM#1         | HYDRANT NEAR THE SW CORNER OF HANGAR 900<br>N 1,798,948.25<br>E 1,052,086.21<br>ELEV 664.79 |
|-------------------|---|
| △<br>CP#1         | SET <sup>5</sup> / <sub>8</sub> " REBAR<br>N 1,799,337.42<br>E 1,052,280.69<br>ELEV 664.14  |
| △ <sub>CP#2</sub> | SET <sup>5</sup> / <sub>8</sub> " REBAR<br>N 1,798,830.91<br>E 1,052,337.45<br>ELEV 661.67  |

### GENERAL NOTES

### **PROJECT DESCRIPTION**

THIS PROJECT IS TO CONSTRUCT A NEW PORTLA CHICAGO-ROMEOVILLE AIRPORT, INCLUDING, AMO

- PLACEMENT OF TEMPORARY EROSION CONTR
- PROVIDE SELECT GRADING OF EARTH CUTS/FI
- CONSTRUCT NEW PORTLAND CEMENT CONCR
- INSTALL OIL CONTAINMENT SUMP FOR FUEL DI
- INSTALL STORMWATER DRAINAGE PIPE, MANH
- INSTALL APRON LIGHT POLES.
- INSTALL AIRCRAFT PAVEMENT MARKINGS AND
- TOPSOIL, SEED, AND MULCH PROJECT SITE AN

### **PROTECTION OF EXISTING AIRPORT FACILITIES**

THE CONTRACTOR IS TO BE RESPONSIBLE FOR T OVERHEAD UTILITIES AND LIGHTING EQUIPMENT; RUNWAY, TAXIWAY AND APRON PAVEMENTS AND EQUIPMENT; AND SEEDED AND TURFED AREAS TH ACTIVITIES. ITEMS DAMAGED BY THE CONTRACT TO THE SATISFACTION OF AIRPORT MANAGER AN

IN ADDITION, WHEN CONDITIONS DICTATE OR AS I REPRESENTATIVE, THE CONTRACTOR SHALL BE I CONSTRUCTION AIRFIELD PAVEMENT AREAS. TH AVAILABLE FOR USE AT ALL TIMES. THE COST OF CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENGINEER TO LOCATE ALL FAA CABLES ON THE P ALL TIMES. NO FAA CABLING HAS BEEN IDENTIFIE

CONTRACTOR'S ACCESS AND TEMPORARY FACIL

CONTRACTOR'S ACCESS TO THE PROJECT WHEN CONTRACTOR'S ACCESS TO THE AIRPORT ITSELF CONTRACTOR IS TO SECURE ALL NECESSARY PE TO MAINTAIN TRAFFIC ON THESE PUBLIC ROADS / AND REPAIRING OF PAVEMENT DAMAGED BY CON OF AND REPAIRS TO ANY PUBLIC FACILITIES ARE OWNER.

HEAVY VEHICLES SHALL NOT CROSS EXISTING PA MANAGER AND THE OWNER'S REPRESENTATIVE. CONTRACTOR'S ACTIVITIES SHALL BE REPAIRED OF THE AIRPORT MANAGER AND THE OWNER'S RI

THE CONTRACTOR IS TO PROVIDE EQUIPMENT, S THIS SHEET. IT IS THE CONTRACTOR'S RESPONS AREA DURING CONSTRUCTION AND TO RESTORE SUITABLE TO THE AIRPORT MANAGER AND THE O DISCRETION, THE TEMPORARY FACILITIES MAY RI THE AIRPORT MANAGER. THE COST OF PROVIDIN FACILITIES IS INCIDENTAL TO THE CONTRACT.

### **RESPONSIBILITY FOR EXISTING UTILITIES**

THE LOCATION, SIZE AND/OR TYPE OF MATERIAL MAY BE INDICATED ON THESE CONSTRUCTION PL OR COMPLETE. NEITHER THE OWNER NOR THE P INFORMATION AND NEITHER ASSUMES ANY RESP SUFFICIENCY OR COMPLETENESS OF THE INFORM THAT ANY CONDITIONS INDICATED ARE REPRESE

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY FACILITIES, INCLUDING SERVICE CONNECTIONS CONTRACTOR SHALL NOTIFY ALL UTILITY COMPA SHALL OBTAIN FROM EACH PARTY DETAILED INFO ALL UTILITIES AND THE WORKING SCHEDULE OF A THE CONTRACTOR SHALL CONTACT J.U.L.I.E. (PHO

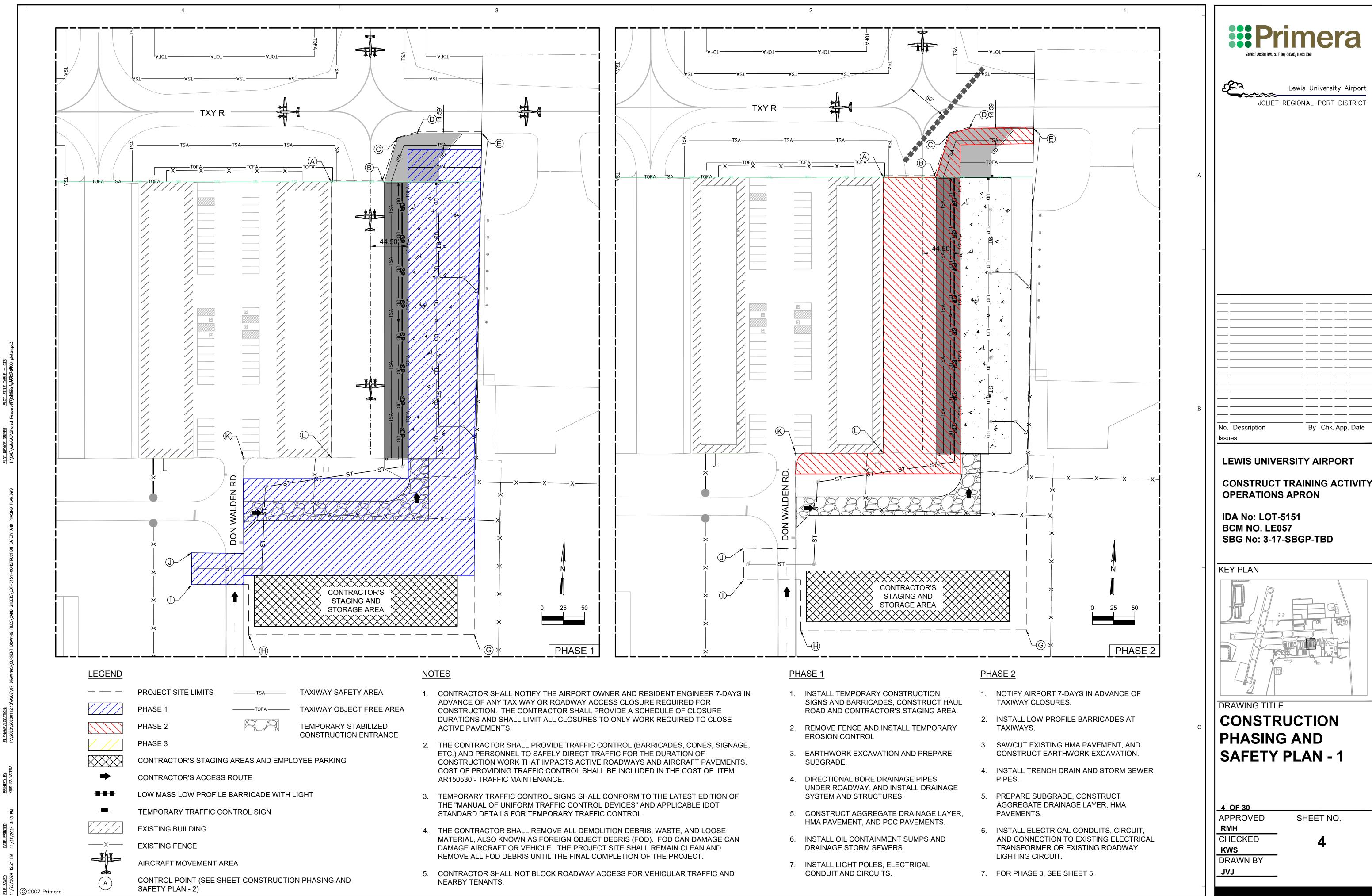
CONTACT THE FAA (FEDERAL AVIATION ADMINIST UTILITIES. LOCATION OF FAA POWER, CONTROL, AND/OR LOCATED BY THE FAA.

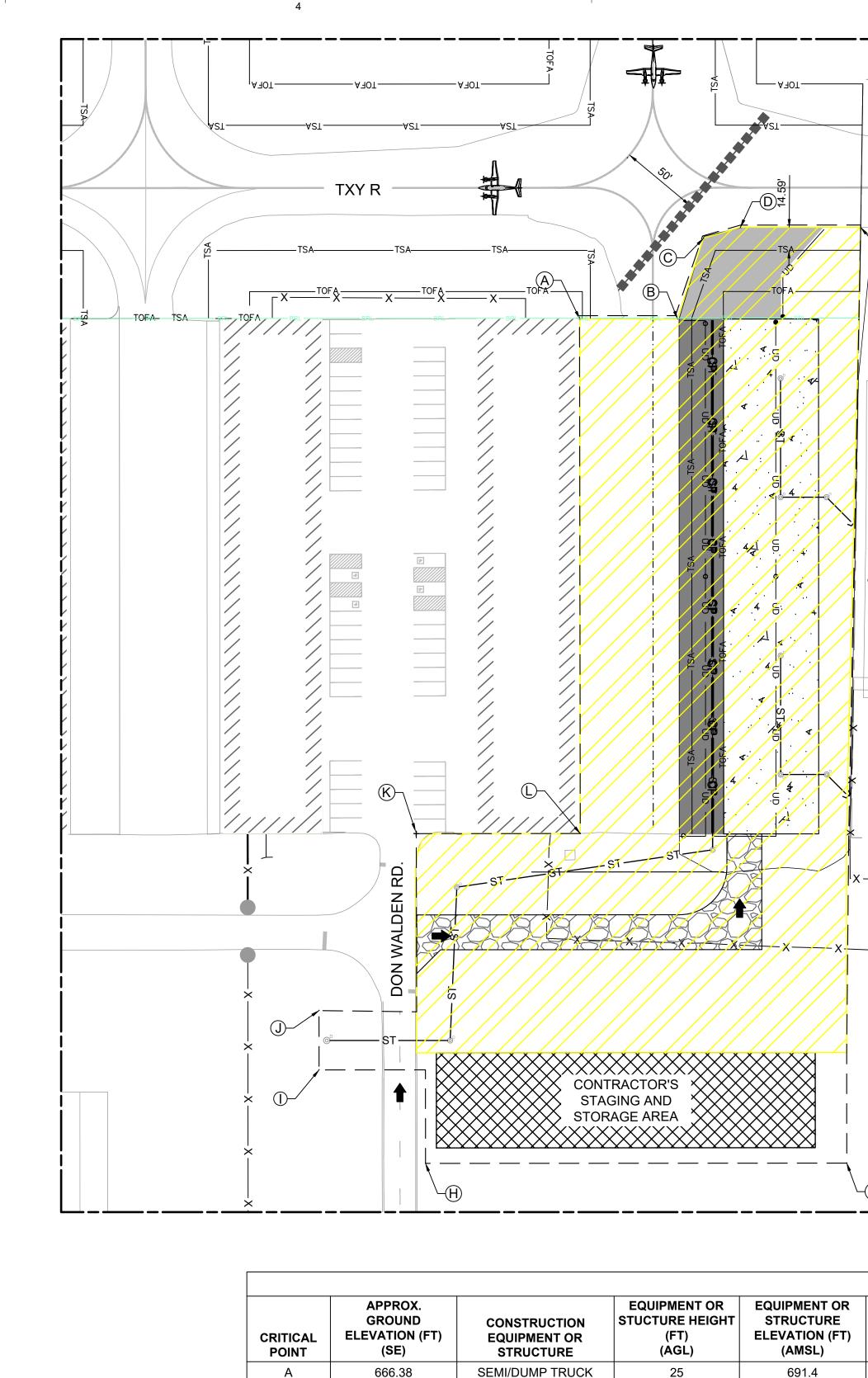
THE CONTRACTOR SHALL PROTECT ANY FACILITI OWNING-AGENCY WITH THE COST OF ANY REQUI THE EVENT A UTILITY LINE OR SERVICE IS UNEXP CONTRACTOR SHALL IMMEDIATELY NOTIFY THE C AGENCY OF JURISDICTION. ANY SUCH UTILITIES D RESTORED TO SERVICE IMMEDIATELY.

### AIRPORT SECURITY

THE CONTRACTOR IS TO COORDINATE GATE SEC AIRPORT MANAGEMENT. AIRPORT SECURITY SHA

| -   |  |
|---|--|
| ND CEMENT CONCRETE AIRCRAFT APRON AT<br>ONG OTHER INCIDENTAL WORK, THE FOLLOWING ITEMS:<br>ROL MEASURES.<br>ILL FOR NEW APRON AND TOPOGRAPHY FOR DRAINAGE.  | 50 WEST JACKSON BLVD., SUITE 600, CHICAGO, LUINOIS 60661   |
| RETE APRON PAVEMENT AND ADJACENT BITUMINOUS PAVEMENT.<br>ISCHARGE ON THE PCC APRON.<br>IOLES AND FLARED END SECTIONS.   | JOLIET REGIONAL PORT DISTRICT  |
| AIRCRAFT TIE DOWNS. A<br>ND DISTURBED AREAS.  |  |
| THE PROTECTION OF EXISTING UNDERGROUND AND<br>; DRIVEWAY AND ROAD PAVEMENT AND SHOULDERS;<br>> SHOULDERS; RUNWAY, TAXIWAY AND AIRPORT LIGHTING<br>HAT ARE UTILIZED IN OR AFFECTED BY THE CONTRACTOR'S<br>TOR ARE TO BE REPAIRED AT CONTRACTOR'S EXPENSE AND<br>ND THE OWNER'S REPRESENTATIVE.                                       |  |
| DETERMINED BY THE AIRPORT MANAGER OR THE OWNER'S<br>REQUIRED TO USE A PICK-UP TYPE SWEEPER IN ALL ACTIVE<br>IE CONTRACTOR WILL BE REQUIRED TO HAVE A SWEEPER<br>SWEEPING SHALL BE CONSIDERED INCIDENTAL TO THE  |  |
| CONTACTING THE FAA (SMO) THROUGH THE RESIDENT<br>PROJECT SITE. ALL FAA CABLES SHALL BE PROTECTED AT<br>ED WITHIN THE PROJECT LIMITS.<br>LITIES  |  |
| I ON AIRPORT PROPERTY IS SHOWN ON THIS SHEET.<br>I S TO BE PROVIDED BY PUBLIC RIGHTS-OF-WAY. THE<br>ERMITS FOR THE USE OF ANY PUBLIC RIGHTS-OF-WAY AND IS<br>AT ALL TIMES, WITH THE COSTS OF PERMITTING, CLEANING<br>NTRACTOR'S ACTIVITIES INCIDENTAL TO THE CONTRACT. USE<br>TO BE COMPLETED TO THE SATISFACTION OF THE FACILITY'S |  |
| AVEMENT SURFACES EXCEPT AS APPROVED BY THE AIRPORT <sup>B</sup><br>ANY DAMAGE TO PAVEMENTS THAT MAY OCCUR BY THE<br>AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION<br>EPRESENTATIVE.   | Image: Molecular control     Image: Molecula |
| TORAGE AND PARKING AREA AT THE LOCATION SHOWN ON<br>BIBILITY TO MAINTAIN THE ACCESS ROADS AND THE STORAGE<br>THE AREAS AT PROJECT COMPLETION TO CONDITIONS<br>OWNER'S REPRESENTATIVE. AT THE AIRPORT MANAGER'S<br>EMAIN, BUT THEY MUST BE LEFT IN CONDITIONS SUITABLE TO<br>NG, MAINTAINING AND RESTORING THE TEMPORARY             | LEWIS UNIVERSITY AIRPORT<br>CONSTRUCT TRAINING ACTIVITY<br>OPERATIONS APRON  |
| OF EXISTING UNDERGROUND OR OVERHEAD UTILITIES AS<br>LANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT<br>PROJECT ENGINEER HAVE INDEPENDENTLY VERIFIED THIS<br>PONSIBILITY WHATSOEVER IN RESPECT TO THE ACCURACY,<br>MATION AND GIVE NO EXPRESSED OR IMPLIED GUARANTEE<br>ENTATIVE OF ACTUAL CONDITIONS TO BE ENCOUNTERED        | IDA No: LOT-5151<br>BCM NO. LE057<br>SBG No: 3-17-SBGP-TBD   |
| Y TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH<br>TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE<br>NIES AND AGENCIES OF HIS CONSTRUCTION PLANS AND<br>ORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF<br>ANY REMOVALS OR ADJUSTMENTS REQUIRED OF THE UTILITY.<br>ONE 800-892-0123) TO ASSIST IN THE ABOVE.               | KEY PLAN   |
| RATION) FOR ASSISTANCE IN LOCATING FAA CABLES AND<br>AND COMMUNICATION CABLES SHALL BE COORDINATED WITH   |  |
| IES TO THE SATISFACTION OF THE UTILITY OR<br>RED PROTECTION TO BE INCIDENTAL TO THE CONTRACT. IN<br>PECTEDLY ENCOUNTERED DURING CONSTRUCTION, THE<br>OWNER'S REPRESENTATIVE AND THE UTILITY COMPANY OR<br>DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE   |  |
| CURITY, THROUGH THE RESIDENT ENGINEER, WITH THE<br>ALL BE MAINTAINED AT ALL TIMES.<br>C   | DRAWING TITLE<br>SITE PLAN, PROJECT<br>CONTROL, AND<br>GENERAL NOTES   |
|   | <u>3 OF 30</u><br>APPROVED SHEET NO.<br><u>RMH</u><br>CHECKED <b>3</b><br><u>KWS</u><br>DRAWN BY<br>JVJ  |





| <u>Printed By</u><br>Kris Salvatera |                |
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|                   |   |   |  |   |               | <b>CRITICAL PO</b> | INTS TABLE       |                  |              |          |                   |               |
|-------------------|---|---|--|---|---------------|--------------------|------------------|------------------|--------------|----------|-------------------|---------------|
| CRITICAL<br>POINT | APPROX.<br>GROUND<br>ELEVATION (FT)<br>(SE) | CONSTRUCTION<br>EQUIPMENT OR<br>STRUCTURE | EQUIPMENT OR<br>STUCTURE HEIGHT<br>(FT)<br>(AGL) | EQUIPMENT OR<br>STRUCTURE<br>ELEVATION (FT)<br>(AMSL) | NORTHING      | EASTING            | LATITUDE         | LONGITUDE        | NOTICE       | DURATION | COMPONENT<br>TYPE | DEVEL         |
| А                 | 666.38                                      | SEMI/DUMP TRUCK                           | 25   | 691.4   | 1799318.9447' | 1052158.6371'      | N041° 36' 23.59" | W088° 05' 06.08" | CONSTRUCTION | TEMP     | PART 77           | CONTRUCTION/M |
| В                 | 665.46                                      | SEMI/DUMP TRUCK                           | 25   | 690.5   | 1799321.4889' | 1052220.2920'      | N041° 36' 23.61" | W088° 05' 05.26" | CONSTRUCTION | TEMP     | PART 77           | CONTRUCTION/M |
| С                 | 665.46                                      | SEMI/DUMP TRUCK                           | 25   | 690.5   | 1799372.9629' | 1052234.5691'      | N041° 36' 24.12" | W088° 05' 05.07" | CONSTRUCTION | TEMP     | PART 77           | CONTRUCTION/M |
| D                 | 665.40                                      | SEMI/DUMP TRUCK                           | 25   | 690.4   | 1799380.9436' | 1052257.5855'      | N041° 36' 24.20" | W088° 05' 04.77" | CONSTRUCTION | TEMP     | PART 77           | CONTRUCTION/M |
| Е                 | 665.03                                      | SEMI/DUMP TRUCK                           | 25   | 690.0   | 1799386.4772' | 1052355.9579'      | N041° 36' 24.25" | W088° 05' 03.48" | CONSTRUCTION | TEMP     | PART 77           | CONTRUCTION/M |
| F                 | 663.79                                      | SEMI/DUMP TRUCK                           | 25   | 688.8   | 1799361.1685' | 1052357.0294'      | N041° 36' 24.00" | W088° 05' 03.46" | CONSTRUCTION | TEMP     | PART 77           | CONTRUCTION/M |
| G                 | 105.00                                      | SEMI/DUMP TRUCK                           | 25   | 130.0   | 1798793.5667' | 1052349.2090'      | N041° 36' 18.39" | W088° 05' 03.59" | CONSTRUCTION | TEMP     | PART 77           | CONTRUCTION/M |
| Н                 | 105.00                                      | SEMI/DUMP TRUCK                           | 25   | 130.0   | 1798782.3197' | 1052083.5495'      | N041° 36' 18.29" | W088° 05' 07.08" | CONSTRUCTION | TEMP     | PART 77           | CONTRUCTION/M |
| I                 | 658.81                                      | SEMI/DUMP TRUCK                           | 25   | 683.8   | 1798838.4726' | 1052013.9438'      | N041° 36' 18.85" | W088° 05' 08.00" | CONSTRUCTION | PERM     | PART 77           | CONTRUCTION/M |
| J                 | 660.60                                      | SEMI/DUMP TRUCK                           | 25   | 685.6   | 1798875.9051' | 1052012.3590'      | N041° 36' 19.22" | W088° 05' 08.02" | CONSTRUCTION | PERM     | PART 77           | CONTRUCTION/M |
| K                 | 770.68                                      | SEMI/DUMP TRUCK                           | 25   | 795.7   | 1798985.4583' | 1051986.7039'      | N041° 36' 20.30" | W088° 05' 08.35" | CONSTRUCTION | PERM     | PART 77           | CONTRUCTION/M |
| L                 | 666.46                                      | SEMI/DUMP TRUCK                           | 25   | 691.5   | 1798994.3813' | 1052172.4774'      | N041° 36' 20.38" | W088° 05' 05.91" | CONSTRUCTION | PERM     | PART 77           | CONTRUCTION/M |

PHASE 3

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| PROJECT SITE LIMITS                             |
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| PHASE 1   |
| PHASE 2   |
| PHASE 3   |
| CONTRACTOR'S STAGING AREAS AND EMPLOYEE PARKING |
| CONTRACTOR'S ACCESS ROUTE                       |
| LOW MASS LOW PROFILE BARRICADE WITH LIGHT       |
| TEMPORARY TRAFFIC CONTROL SIGN                  |
| EXISTING BUILDING                               |
| EXISTING FENCE                                  |

2

AIRCRAFT MOVEMENT AREA

CONTROL POINT

\_\_\_\_\_TSA\_\_\_\_\_ TAXIWAY SAFETY AREA

TAXIWAY OBJECT FREE AREA

TEMPORARY STABILIZED CONSTRUCTION ENTRANCE

### <u>NOTES</u>

- 1. CONTRACTOR SHALL NOTIFY THE AIRPORT OWNER AND RESIDENT ENGINEER 7-DAYS IN ADVANCE OF ANY TAXIWAY OR ROADWAY ACCESS CLOSURE REQUIRED FOR CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE A SCHEDULE OF CLOSURES DURATIONS AND SHALL LIMIT ALL CLOSURES TO ONLY WORK REQUIRED TO CLOSE ACTIVE PAVEMENTS.
- 2. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL (BARRICADES, CONES, SIGNAGE, ETC.) AND PERSONNEL TO SAFELY DIRECT TRAFFIC FOR THE DURATION OF CONSTRUCTION WORK THAT IMPACTS ACTIVE ROADWAYS. COST OF PROVIDING TRAFFIC CONTROL SHALL BE INCLUDED IN THE COST OF ITEM AR150530 - TRAFFIC MAINTENANCE.
- 3. TEMPORARY TRAFFIC CONTROL SIGNS SHALL CONFORM TO THE LATEST EDITION OF THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" AND APPLICABLE IDOT STANDARD DETAILS FOR TEMPORARY TRAFFIC CONTROL.
- 4. THE CONTRACTOR SHALL REMOVE ALL DEMOLITION DEBRIS, WASTE, AND LOOSE MATERIAL, ALSO KNOWN AS FOREIGN OBJECT DEBRIS (FOD). FOD CAN DAMAGE CAN DAMAGE AIRCRAFT OR VEHICLE. THE PROJECT SITE SHALL REMAIN CLEAN AND REMOVE ALL FOD DEBRIS UNTIL THE FINAL COMPLETION OF THE PROJECT.
- 5. CONTRACTOR SHALL NOT BLOCK ROADWAY ACCESS FOR VEHICULAR TRAFFIC AND NEARBY TENANTS.

| 1  |  |
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| PHASE 3  |  |
| 1. FINAL GRADE AND PLACE TOPSOIL,  | 550 WEST JACKSON BLVD., SUITE 600, CHICAGO, ILLINOIS 60661                     |
| 2. INSTALL PAVEMENT MARKINGS AND TIE   | Lewis University Airport   |
| DOWNS.   | JOLIET REGIONAL PORT DISTRICT  |
| <ol> <li>REMOVE EROSION CONTROL MEASURES,<br/>HAUL ROAD, AND CONTRACTOR STAGING<br/>AREA. RESTORE WITH TOPSOIL, SEEDING<br/>AND MULCHING.</li> </ol> |  |
| 4. RE-INSTALL FENCE.   |  |
| 5. NOTIFY AIRPORT OF PROJECT COMPLETION.   | A  |
|  | B CONSTRUCT TRAINING ACTIVITY  |
|  | OPERATIONS APRON<br>IDA No: LOT-5151<br>BCM NO. LE057<br>SBG No: 3-17-SBGP-TBD |
|  | - KEY PLAN   |
|  | DRAWING TITLE  |
| DEVELOPMENT  |  |
| TYPE<br>RUCTION/MOBILE EQUIPMENT   | PHASING AND  |
| RUCTION/MOBILE EQUIPMENT   | SAFETY PLAN - 2  |
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| RUCTION/MOBILE EQUIPMENT   |  |
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### SAFETY IS REQUIRED

CONSTRUCTION OF THE PROJECT SHALL BE PERFORMED BY THE CONTRACTOR IN ACCORDANCE WITH THE GUIDELINES SPECIFIED IN FAA ADVISORY CIRCULAR 150/5370-2 (CURRENT ISSUE) AND THE AIRPORT RULES AND REGULATIONS (AS PUBLISHED ON LEWIS UNIVERSE) HTTP://WWW.FLYLOT.COM UNDER JRPD ORDINANCES AND MINUTES (EXCEPT FEES FOR VEHICLE DRIVING PERMITS SHALL NOT BE PAID)). ANY CONTRACTOR ACTIVITIES REQUIRED FOR PROJECT SAFETY SHALL BE PROVIDED BY THE CONTRACTOR AND INCIDENTAL TO TH

### SEQUENCE OF CONSTRUCTION

TO MINIMIZE DISRUPTIONS OF AIRPORT OPERATIONS, CONSTRUCTION OPERATIONS MUST BE CONTROLLED THROUGHOUT THE PROJECT'S DURATION, AND WORK MUST BE COMPLETED EXPEDITIOUSLY. A CONSTRUCTION PHASING PLAN DETAILING THE SEQUENCING OF THROUGHOUT THE PROJECT IS INCLUDED IN THE PLANS. THE CONTRACTOR SHALL PROVIDE HIS WRITTEN ACCEPTANCE OF THE PROJECT CONSTRUCTION PHASING PLAN AT THE PRE-CONSTRUCTION CONFERENCE. ANY AND ALL CHANGES TO THE CONSTRUCTION PHASING PLAN AT THE PRE-CONSTRUCTION CONFERENCE. REQUESTED BY THE CONTRACTOR MUST BE APPROVED BY THE PROJECT ENGINEER AND THE AIRPORT OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE SUFFICIENT ADVANCE NOTICE OF ANY PROPOSED PHASING CHANGE TO PERMIT CONSIDERA PROJECT ENGINEER AND THE AIRPORT OWNER. THE CONTRACTOR SHALL NOT BE ENTITLED TO ANY EXTRA COMPENSATION, NOR EXTENSION TO THE CONTRACT TIME, BECAUSE OF A PHASING CHANGE REQUEST NOR FOR ANY TIME NECESSARY IN RECEIVING THE REQU CONTRACTOR SHALL EXPEDITE WORK AT THOSE STAGES WHERE ACTIVE RUNWAYS, TAXIWAYS, HANGAR ACCESS, APRONS, ROADWAYS OR PARKING LOTS MUST BE CLOSED, TO MINIMIZE THE LENGTH OF TIME THAT AIRPORT OPERATIONS ARE RESTRICTED

AT THE PRE-CONSTRUCTION CONFERENCE, THE CONTRACTOR SHALL PROVIDE A CONTRACTOR COORDINATION PLAN THAT COORDINATES HIS WORK WITH THE WORK OF HIS SUBCONTRACTORS AND THE WORK OF OTHER CONTRACTORS OF OTHER ON-GOING AIRPORT F

### RUNWAY CLOSURE

NO RUNWAY CLOSURES ARE ANTICIPATED FOR THIS PROJECT

4

### TEMPORARY BARRICADES

THE CONTRACTOR SHALL FURNISH BARRICADES FOR ANY AIRFIELD OR ROADWAY PAVEMENT TO BE CLOSED BY HIS WORK. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH, PLACE AND MAINTAIN BARRICADES AS SHOWN IN THE PLANS AND AS DIRECTED BY AND AIRPORT DIRECTOR. THE COST OF THESE ITEMS, AND THEIR MAINTENANCE, IS TO BE PAID UNDER ITEM AR150530 TRAFFIC MAINTENANCE. ANY WORK THAT REQUIRES PORTIONS OF AN ACTIVE TAXIWAY OR APRON TO BE CLOSED MUST BE COMPLETED EXPEDITIOU TO AIRCRAFT OPERATIONS.

VEHICULAR TRAFFIC CONTROL

THE CONTRACTOR SHALL ERECT AND MAINTAIN, AT NO COST TO THE CONTRACT, DIRECTIONAL AND INFORMATIONAL SIGNS FOR THE CONTRACTOR'S ACCESS ROUTES AT THE EXISTING CONSTRUCTION ENTRANCES AND FOR THE CONTRACTOR'S ROUTE WITHIN THE AIRF NOTED ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER. WHERE CONTRACTOR EQUIPMENT IS OPERATING WITHIN ACTIVE AIRCRAFT OPERATIONS AREAS, RADIO-EQUIPED FLAGGERS SHALL BE FURNISHED BY THE CONTRACTOR. CONTINUOUS PAVEMENT S' FURNISHED TO REMOVE DEBRIS FROM ACTIVE AIRCRAFT MOVEMENT PATHS. THE COST OF TRAFFIC CONTROL/FLAGGERS AND PAVEMENT SWEEPING SHALL BE PAID UNDER ITEM AR150530 TRAFFIC MAINTENANCE.

AIRFIELD OPERATIONAL SAFETY DURING CONSTRUCTION

THE CONTRACTOR SHALL NOT HAVE ACCESS TO ANY PART OF THE ACTIVE AIRFIELD (RUNWAYS, TAXIWAYS OR APRONS) FOR ANY EQUIPMENT OR PERSONNEL WITHOUT THE APPROVAL OF THE RESIDENT ENGINEER AND THE AIRPORT OWNER. ACTIVITIES WITHIN THE AIR (AOA) ARE SUBJECT TO FEDERAL ACCESS CONTROL. BECAUSE OF THE HIGH REQUIREMENTS FOR AIRPORT SECURITY AND SAFETY, THE FOLLOWING REQUIREMENTS MUST BE ADHERED TO:

- DRIVING PRIVILEGES, AND THEIR ACCESS TO THE CONSTRUCTION LIMIT AREA WHEN OPERATING VEHICLES SHALL BE REVOKED.
- THAT WOULD REQUIRE ACTION BY THE CONTRACTOR AND/OR HIS PERSONNEL.

THE CONTRACTOR SHALL REMAIN WITHIN THE CONSTRUCTION LIMITS LINE SHOWN IN THE PLANS. WHEN OUTSIDE THESE LIMITS, ALL CONTRACTOR ACTIVITIES SHALL REMAIN MORE THAN 250 FEET FROM THE CENTERLINE AND 1,000 FEET FROM THE END OF ACTIVE RUN THE CENTERLINE AND 1,000 FEET FROM THE END OF ACTIVE RUNWAY 2-20. FOR WORK NEAR TAXIWAYS AND APRONS, THE CONTRACTOR'S PERSONNEL AND EQUIPMENT MUST REMAIN AT LEAST 44.5 FEET FROM CENTERLINE OF ACTIVE CATEGORY I TAXIWAYS, 65.5 FEET TAXIWAYS AND 93 FEET FROM ACTIVE CATEGORY III TAXIWAYS, AND TEN (10) FEET FROM ACTIVE APRONS. WHEN CONSTRUCTION OPERATIONS MUST BE CONDUCTED WITHIN THESE SEPARATIONS, THE PAVEMENT MUST BE CLOSED TO AIRCRAFT ACTIVITY BY THE CONTR TEMPORARY BARRICADES AS SHOWN IN THE PLANS, AND IN THE CASE RUNWAY PAVEMENTS, CLOSED RUNWAY MARKERS.

NO CLOSURE OF ANY RUNWAY WILL BE PERMITTED FOR THIS PROJECT.

THE CONTRACTOR SHALL KEEP ALL OF HIS EQUIPMENT AND PERSONNEL AT LEAST 15 FEET FROM THE EDGE OF ANY ACTIVE ROADWAY OR AUTO PARKING PAVEMENT. WHEN HIS ACTIVITIES REQUIRE WORKING WITHIN 15 FEET OF THE ROAD/PAVEMENT EDGE, THE CONTR TRAFFIC CONTROL IN ACCORDANCE WITH IDOT SPECIFICATIONS (HIGHWAY STANDARDS).

OPEN TRENCHES, EXCAVATIONS AND STOCKPILED MATERIAL AT THE CONSTRUCTION SITE SHALL BE DELINEATED WITH THE USE OF BARRICADES DURING HOURS OF RESTRICTED VISIBILITY AND/OR DARKNESS. NO OPEN TRENCHES SHALL BE ALLOWED WITHIN THE RUNV THE TAXIWAY SAFETY AREA (TSA) WHEN THE RUNWAY OR TAXIWAY IS OPEN TO AIR TRAFFIC (INCLUDING OVERNIGHT). THE RSA IS DEFINED AS 250 FEET FROM THE CENTERLINE AND 1,000 FEET FROM THE END OF RUNWAY 9-27), AND 250 FEET FROM THE CENTERLINE AND OF RUNWAY 2-20. THE TSA IS MEASURED AT 24.5 FEET FROM THE CATEGORY I TAXIWAY CENTERLINE, AND 39.5 FEET FROM THE CATEGORY II TAXIWAY CENTERLINE, AND 59 FEET FROM THE CATEGORY II TAXIWAY CENTERLINE. NO VERTICAL DROP OF GREATER THAN 3-I PAVEMENT EDGE TO EARTH GRADE OR EARTH GRADE TO EARTH GRADE WITHIN THE RSA OR TSA WILL BE PERMITTED WHEN THE RUNWAY OR TAXIWAY IS OPEN TO AIR TRAFFIC. THE CONTRACTOR WILL HAVE STEEL PLATES ON-SITE TO ALLOW FOR THE RAPID COVERING DROPS IN THE EVENT OF UNEXPECTED WORK STOPPAGES FOR WEATHER OR AIRPORT EMERGENCIES.

WHEN NOT IN USE AND DURING NONWORKING HOURS, CONTRACTOR'S EQUIPMENT SHALL BE PARKED WITHIN THE CONTRACTOR'S EQUIPMENT STORAGE AND PARKING AREAS. THE EQUIPMENT STORAGE AND PARKING AREAS ARE TO BE LOCATED AS SHOWN ON THE PH. CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING THE CONSTRUCTION ENTRANCES IN GOOD CONDITION. THE COST OF MAINTAINING THE CONSTRUCTION ENTRANCE AND CONTRACTOR AREAS IS TO BE PAID UNDER ITEM AR150540 HAUL ROUTE. THE CONTRACTOR EXISTING PAVEMENT EDGES FROM DAMAGE FROM CONSTRUCTION EQUIPMENT AND HAUL VEHICLES.

AT NO TIME SHALL THE CONTRACTOR CONDUCT ANY ACTIVITIES OR OPERATE OR PARK EQUIPMENT SO AS TO OBSTRUCT ACTIVE PART 77 AIRPORT IMAGINARY SURFACES OR THE RUNWAY PROTECTION ZONES (RPZ) AS DELINEATED IN THE PLANS. CONTRACTOR'S EQUIP HIGHER THAN 20 FEET. CRANES SHALL NOT BE USED DURING INSTRUMENT WEATHER CONDITIONS OR AT NIGHT. CRANES SHALL BE LOWERED WHEN NOT IN USE.

BEFORE REOPENING TEMPORARILY CLOSED PAVEMENTS, THE CONTRACTOR SHALL INSPECT AND CLEAN, AS NECESSARY, THE PAVEMENT TO ASSURE THAT NO MATERIALS OR OBJECTS THAT MAY DAMAGE AIRCRAFT OR VEHICLES REMAIN. ANY REQUIRED CLEANING SHALL OF THE RESIDENT ENGINEER AND AIRPORT OWNER AND IS INCIDENTAL TO THE CONTRACT

ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE APPROVED PROJECT SAFETY PLAN, ISSUED BY THE ILLINOIS DIVISION OF AERONAUTICS.

FAILURE TO USE THESE PRESCRIBED PROCEDURES OR ADHERE TO THE SAFETY REQUIREMENTS WILL RESULT IN THE SUSPENSION OF WORK.

### NOTIFICATIONS BY CONTRACTOR

THE CONTRACTOR MUST NOTIFY THE RESIDENT ENGINEER AND THE AIRPORT OWNER 3 DAYS IN ADVANCE OF ANY REQUIRED PARTIAL OR COMPLETE CLOSING OF ANY RUNWAY, TAXIWAY OR APRON. THE DATE, TIME AND SCHEDULED DURATION OF THE CLOSING MUST B RESIDENT ENGINEER AND THE AIRPORT OWNER. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER AND AIRPORT OWNER 3 DAYS IN ADVANCE OF THE CONTRACTOR'S CLOSING OF OTHER ACTIVE ROADWAYS, AIRFIELD OR ROADWAY LIGHTING CIRCUITS, OR OTI

### CONTRACTOR'S USE OF SITE

CONTRACTOR'S ACCESS TO THE PROJECT WHEN ON AIRPORT PROPERTY IS SHOWN IN THE PLANS. CONTRACTOR'S ACCESS TO THE AIRPORT ITSELF IS TO BE PROVIDED BY PUBLIC RIGHTS-OF-WAY. THE CONTRACTOR IS TO SECURE ALL NECESSARY PERMITS FOR THE U RIGHTS-OF-WAY AND IS TO MAINTAIN TRAFFIC ON THESE PUBLIC ROADS AT ALL TIMES, WITH THE COSTS OF PERMITTING, CLEANING AND REPAIRING OF PAVEMENT DAMAGED BY CONTRACTOR'S ACTIVITIES INCIDENTAL TO THE CONTRACT. USE OF AND REPAIRS TO ANY F COMPLETED TO THE SATISFACTION OF THE FACILITY'S OWNER.

THE CONTRACTOR IS TO PROVIDE TEMPORARY CONSTRUCTION ROADS WITHIN THE CONSTRUCTION LIMIT LINES AS MAY BE REQUIRED BY HIS ACTIVITIES. HEAVY VEHICLES SHALL NOT CROSS EXISTING PAVEMENT SURFACES EXCEPT AS APPROVED BY THE AIRPORT OWN ENGINEER. ANY DAMAGE TO PAVEMENTS THAT MAY OCCUR BY THE CONTRACTOR'S ACTIVITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE AIRPORT OWNER AND THE RESIDENT ENGINEER. FOR HAUL ROUTES MADE BY CON GRASSED AREAS, CONTRACTOR SHALL GRADE, LEVEL, TOPSOIL, SEED AND MULCH AT THE END OF THE PROJECT, SEE DETAIL SHEET 5 PAID UNDER ITEM AR150540 HAUL ROUTE.

THE CONTRACTOR IS TO PROVIDE AN EQUIPMENT STORAGE AND PARKING AREA AT THE LOCATIONS SHOWN IN THE PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE ACCESS ROADS AND THE STORAGE AREA DURING CONSTRUCTION AND TO RESTORE COMPLETION TO CONDITIONS SUITABLE TO THE AIRPORT OWNER AND THE RESIDENT ENGINEER. AT THE AIRPORT OWNER'S DISCRETION. THE TEMPORARY FACILITIES MAY REMAIN. BUT THEY MUST BE LEFT IN CONDITIONS SUITABLE TO THE AIRPORT OWNER. THE COST AND RESTORING THE TEMPORARY FACILITIES IS INCIDENTAL TO THE CONTRACT.

### UTILITY OUTAGES AND SHUTDOWNS

) 2007 Primera

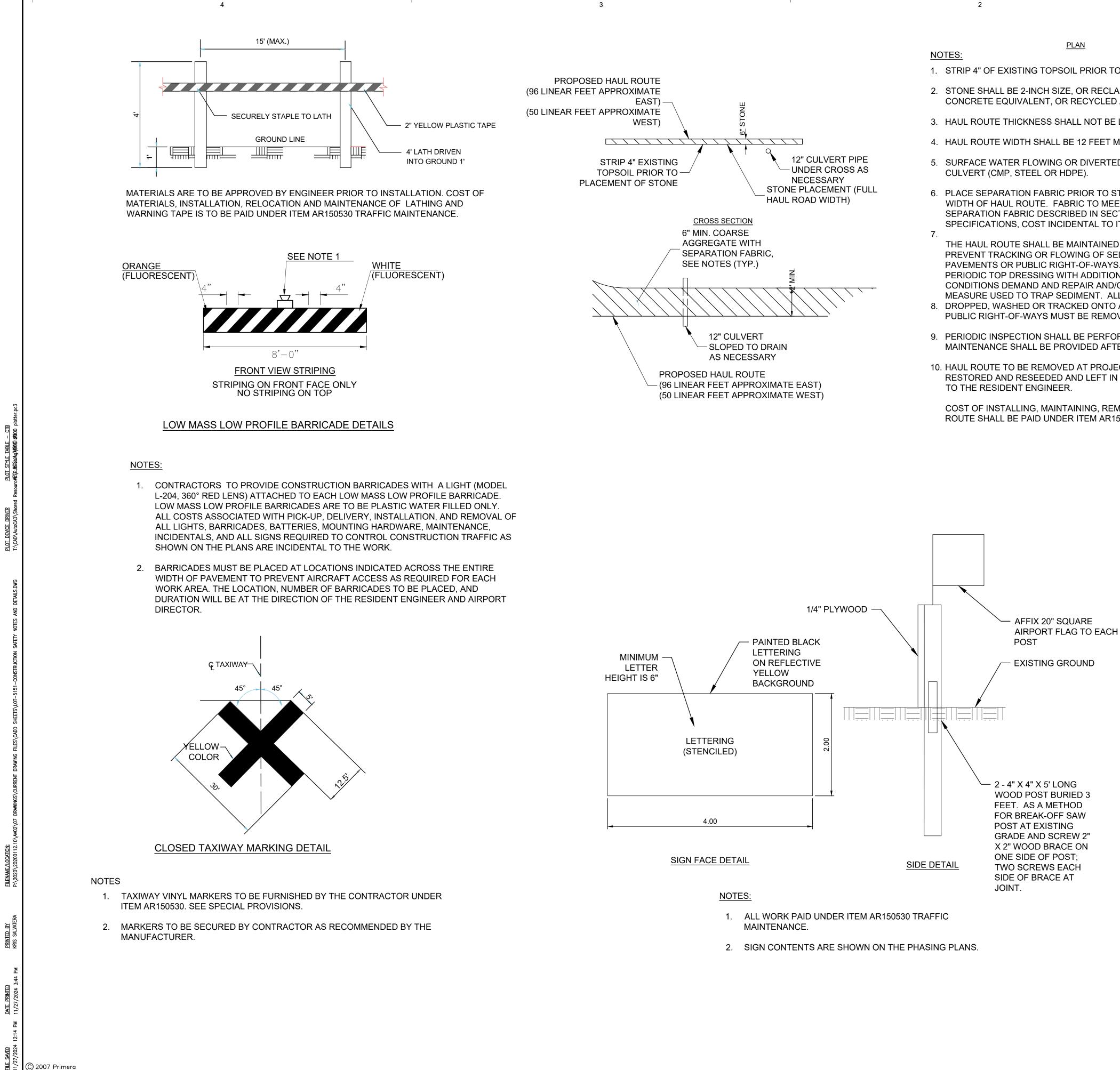
THE CONTRACTOR SHALL PROVIDE 3 DAYS PRIOR NOTICE OF ANY OUTAGES OR SHUTDOWNS TO THE OWNER AND THE AGENCY OWNING THE AFFECTED UTILITY. THE CONTRACTOR SHALL PROVIDE ANY TEMPORARY CONNECTIONS OR OTHER MEASURES AS MAY BE REQU AS MAY BE REQUIRED BY THE OWNING AGENCY AT NO COST TO THE OWNER.

• ALL EMPLOYEES OF THE CONTRACTOR SHALL PARK THEIR PERSONAL VEHICLES IN THE DESIGNATED EQUIPMENT PARKING AND STORAGE AREA. EACH PERSON OR VEHICLE ENTERING THE CONTRACTOR AREA SHALL DO SO IN ACCORDANCE WITH THE POLICIES AND AIRPORT OWNER. THE CONTRACTOR WILL TRANSPORT THE WORKERS FROM THE PARKING AREAS TO THE WORK AREA. ONLY CONTRACTOR VEHICLES WILL BE ALLOWED OUTSIDE OF THE PROPOSED EQUIPMENT STORAGE AND PARKING AREAS.

• SHOULD ANY CONTRACTOR PERSONNEL BE IDENTIFIED AS NONCOMPLIANT WITH ANY VEHICLE RIVING SAFETY REQUIREMENTS IN THIS PROJECT SAFETY PLAN OR IN THE AIRPORT VEHICLE OPERATIONS REGULATIONS, SUCH DRIVERS SHALL BE PENALIZED BY RESCIS

• THE CONTRACTOR WILL BE REQUIRED TO BE IN CONTACT WITH AIRPORT OPERATIONS. THIS WILL KEEP THE CONTRACTOR IN CONTACT WITH AIRPORT PERSONNEL AND ENABLE THE AIRPORT PERSONNEL TO IMMEDIATELY CONTACT THE CONTRACTOR IN CASE OF AN

| SITY AIRPORT'S WEBSITE AT<br>HE CONTRACT.<br>THE CONTRACTOR'S WORK<br>SING PLAN THAT MAY BE<br>ATION AND APPROVAL BY THE<br>UIRED APPROVALS. THE<br>PROJECTS.  | SO WEST JACKSON RUND, SUTE GOD, CHICAGO, LUNOIS GOGO<br>ELEWIS UNIVERSITY Airport<br>JOLIET REGIONAL PORT DISTRICT  |
|--|---|
| A<br>Y THE RESIDENT ENGINEER<br>JSLY TO MINIMIZE DISRUPTION  |   |
| SWEEPING SHALL BE  |   |
| D PROCEDURES OF THE<br>ISSION OF THEIR ON-AIRPORT  |   |
| IWAY 9-27, AND 250 FEET FROM<br>FROM ACTIVE CATEGORY II<br>RACTOR BY PROVIDING   | Image: Chick and the second |
| RACTOR SHALL PROVIDE FOR<br>WAY SAFETY AREA (RSA) OR<br>ND 1,000 FEET FROM THE END<br>INCHES IN HEIGHT FROM<br>G OF TRENCHES OR EARTH<br>HASING PLAN. THE<br>IR SHALL PROTECT ALL<br>IPMENT SHALL EXTEND NO<br>HALL BE TO THE SATISFACTION | LEWIS UNIVERSITY AIRPORT<br>CONSTRUCT TRAINING ACTIVITY<br>OPERATIONS APRON<br>IDA No: LOT-5151<br>BCM NO. LE057<br>SBG No: 3-17-SBGP-TBD<br>KEY PLAN   |
| BE APPROVED BY THE<br>THER AIRPORT FACILITIES.<br>USE OF ANY PUBLIC c<br>PUBLIC FACILITIES ARE TO BE   | DRAWING TITLE<br>CONSTRUCTION<br>SAFETY PLAN -<br>GENERAL NOTES   |
| RE THE AREAS AT PROJECT<br>T OF PROVIDING, MAINTAINING<br>QUIRED TO MAINTAIN SERVICE   | <u>6 OF 30</u><br>APPROVED SHEET NO.<br><u>RMH</u><br>CHECKED 6<br><u>KWS</u><br>DRAWN BY<br>JVJ  |

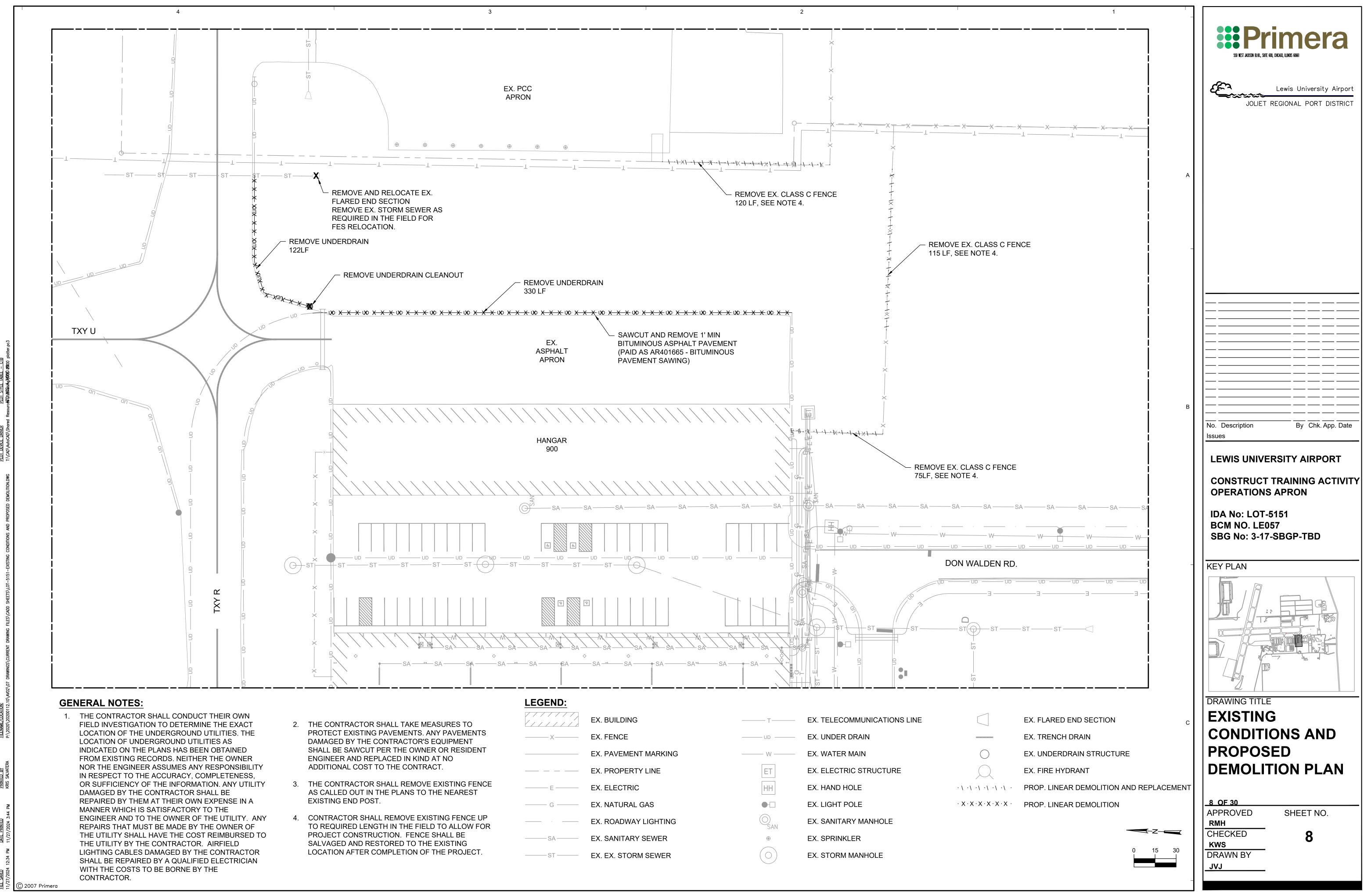


1. STRIP 4" OF EXISTING TOPSOIL PRIOR TO PLACEMENT OF STONE.

- 2. STONE SHALL BE 2-INCH SIZE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT, OR RECYCLED ASPHALT.
- 3. HAUL ROUTE THICKNESS SHALL NOT BE LESS THAN SIX INCHES.
- 4. HAUL ROUTE WIDTH SHALL BE 12 FEET MINIMUM.
- 5. SURFACE WATER FLOWING OR DIVERTED SHALL BE CARRIED IN
- 6. PLACE SEPARATION FABRIC PRIOR TO STONE PLACEMENT FOR FULL WIDTH OF HAUL ROUTE. FABRIC TO MEET THE REQUIREMENTS OF SEPARATION FABRIC DESCRIBED IN SECTION 156513 STANDARD SPECIFICATIONS, COST INCIDENTAL TO ITEM AR150540.
- THE HAUL ROUTE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO AIRPORT PAVEMENTS OR PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL AGGREGATE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURE USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED.
- 8. DROPPED, WASHED OR TRACKED ONTO AIRPORT PAVEMENTS OR PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.
- 9. PERIODIC INSPECTION SHALL BE PERFORMED AND REQUIRED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN EVENT.
- 10. HAUL ROUTE TO BE REMOVED AT PROJECT END. AREA TO BE RESTORED AND RESEEDED AND LEFT IN A CONDITION SATISFACTORY

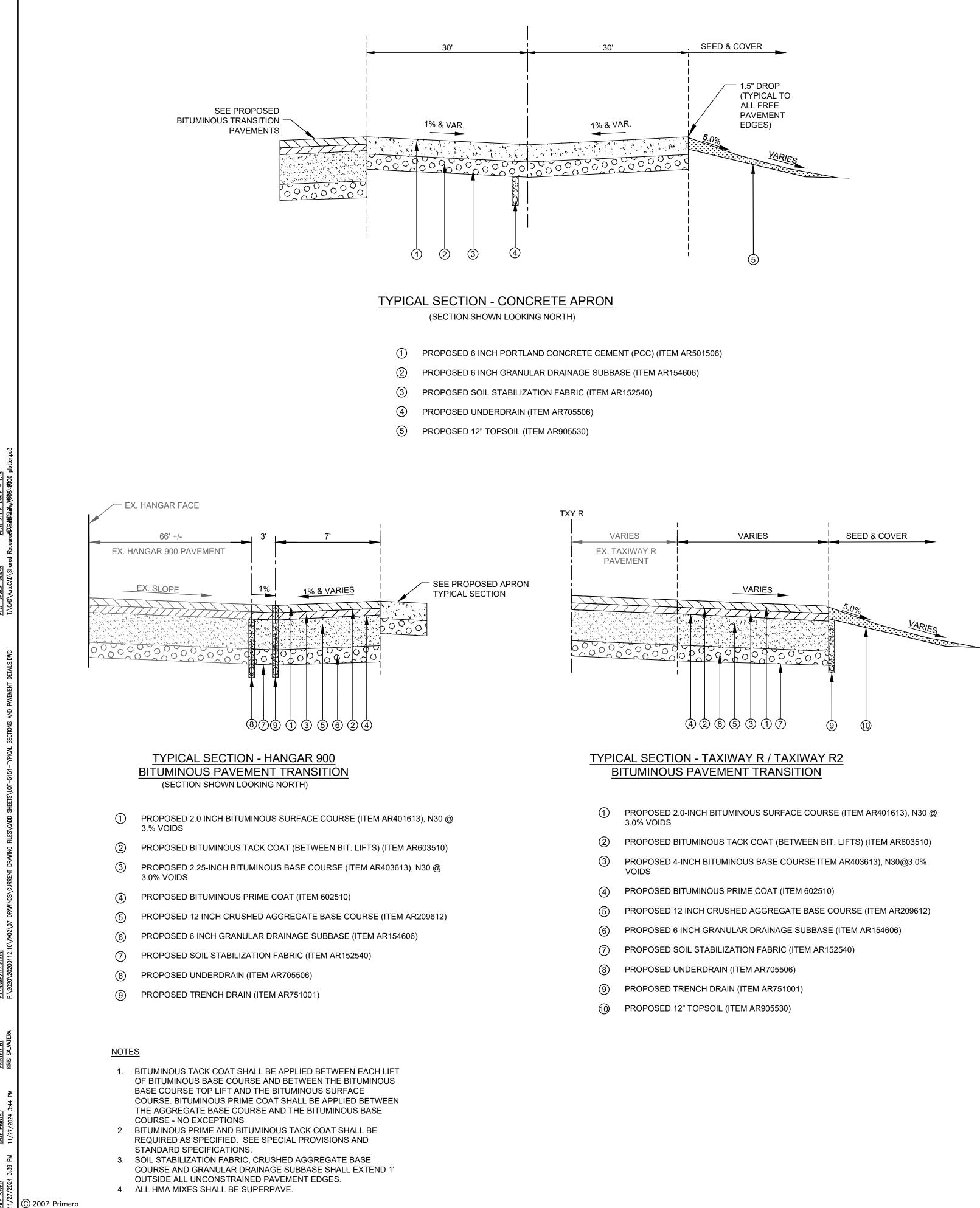
COST OF INSTALLING, MAINTAINING, REMOVING AND RESTORING HAUL ROUTE SHALL BE PAID UNDER ITEM AR150540.

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|   | Lewis University Airport<br>JOLIET REGIONAL PORT DISTRICT   |
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|   | CONSTRUCT TRAINING ACTIVITY<br>OPERATIONS APRON<br>IDA No: LOT-5151<br>BCM NO. LE057<br>SBG No: 3-17-SBGP-TBD |
|   | KEY PLAN  |
|   |   |
| c | DRAWING TITLE<br>CONSTRUCTION<br>SAFETY PLAN -<br>DETAILS   |
|   | <u>7 OF 30</u><br>APPROVED SHEET NO.<br><u>RMH</u><br>CHECKED <b>7</b><br><u>KWS</u>                          |
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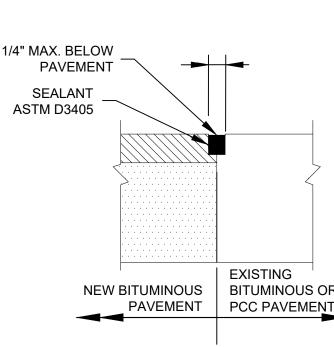




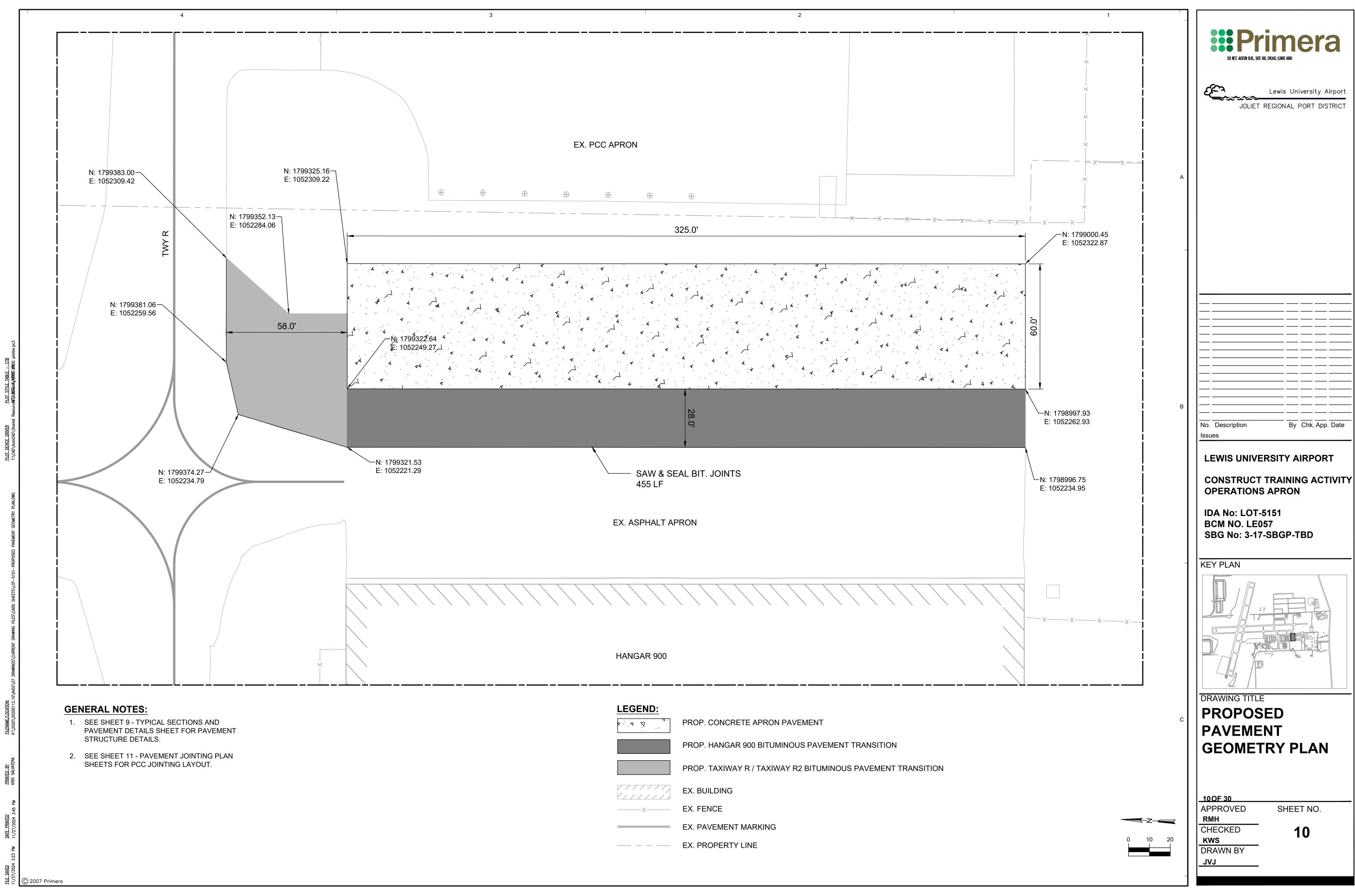
|          |           | EX. BUILDING         | ——— Т———   | EX. TELECOMMUNICATIONS LINE |  |
|----------|-----------|----------------------|------------|-----------------------------|--|
| ΓS       | X         | EX. FENCE            | UD         | EX. UNDER DRAIN             |  |
| NT       |           | EX. PAVEMENT MARKING | W          | EX. WATER MAIN              | $\bigcirc$   |
|          |           | EX. PROPERTY LINE    | ET         | EX. ELECTRIC STRUCTURE      | $\square$  |
| NCE      | ——— E ——— | EX. ELECTRIC         | HH         | EX. HAND HOLE               | • \ • \ • \ • \ • \  |
|          | ——— G ——— | EX. NATURAL GAS      | •          | EX. LIGHT POLE              | $\cdot \mathbf{X} \cdot \mathbf{X} \cdot \mathbf{X} \cdot \mathbf{X} \cdot \mathbf{X}$ |
| UP<br>OR | ·         | EX. ROADWAY LIGHTING | SAN        | EX. SANITARY MANHOLE        |  |
|          | SA        | EX. SANITARY SEWER   | $\oplus$   | EX. SPRINKLER               |  |
| Γ.       | ST        | EX. EX. STORM SEWER  | $\bigcirc$ | EX. STORM MANHOLE           |  |
|          |           |                      |            |                             |  |



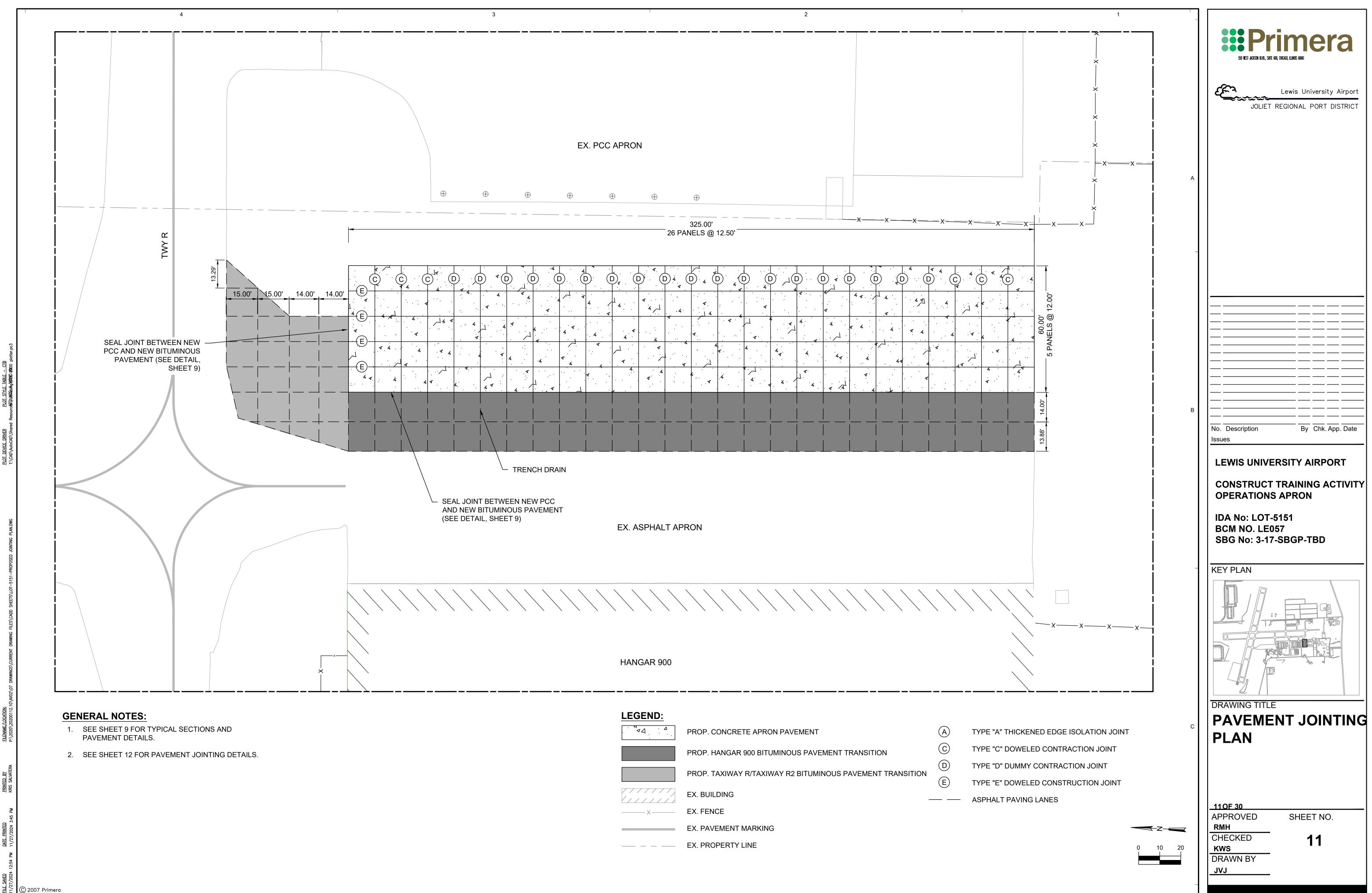




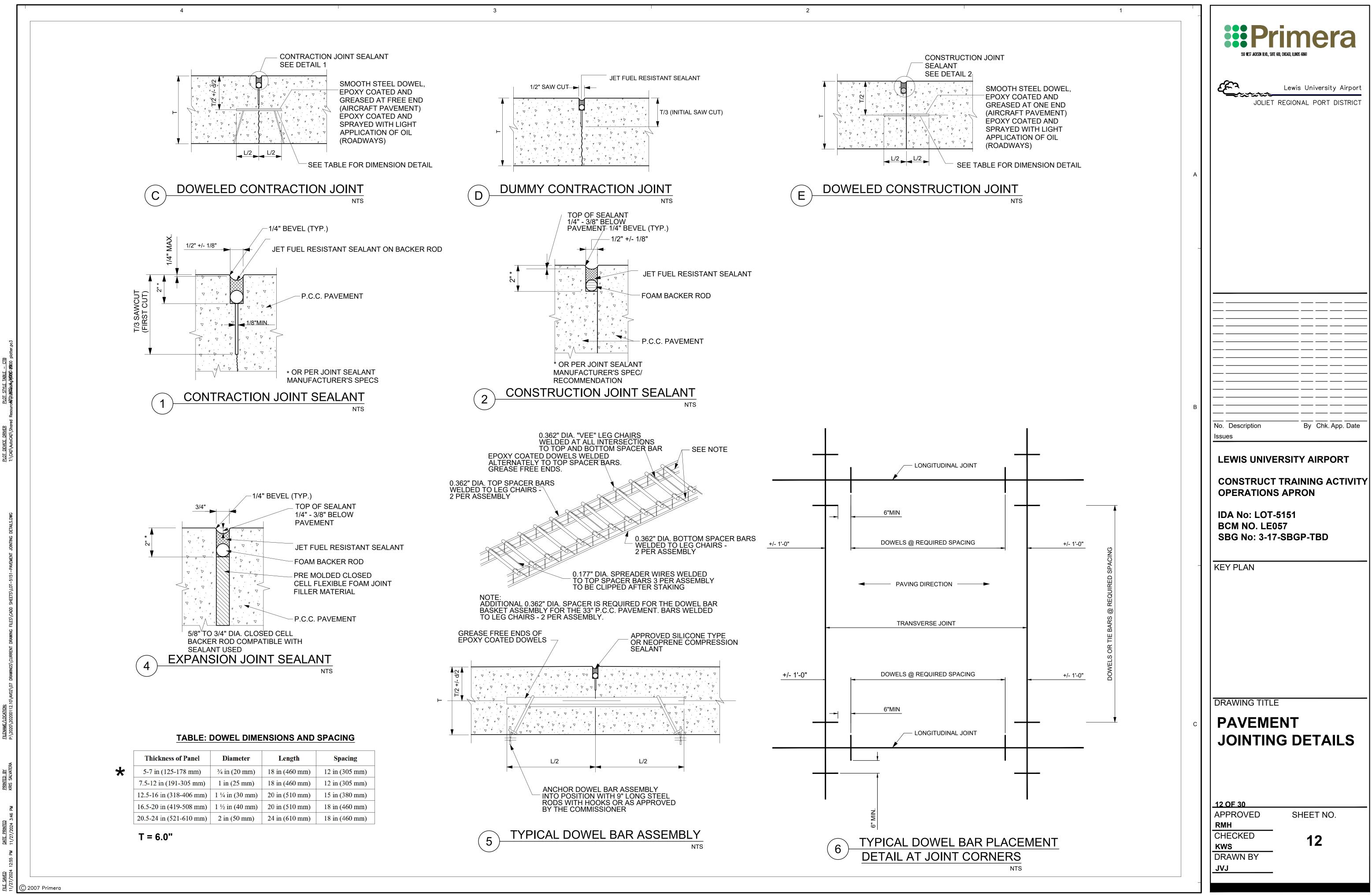
| Ā   | 1/4" MAX. BELOW<br>PAVEMENT<br>SEALANT<br>ASTM D3405<br>NEW BITUMINOU<br>PAVEMEN<br>OTE:<br>LL BITUMINOUS/BITUMINOUS D<br>BE PAID UNDER AR401660 - | T PCC PAVEMENT | C JOINT SEALING | 1                     | A | EVER HANN, SUTE GOL CHICAGO, LUNCIS GOG<br>SO VEST HANNS SUTE GOL CHICAGO, LUNCIS GOG<br>Lewis University Airpor<br>JOLIET REGIONAL PORT DISTRIC |
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|   |  |                |                 |                       |   | LEWIS UNIVERSITY AIRPORT<br>CONSTRUCT TRAINING ACTIVI<br>OPERATIONS APRON<br>IDA No: LOT-5151<br>BCM NO. LE057<br>SBG No: 3-17-SBGP-TBD          |
| ITEM  | IDES PG BINDER   | AGG. QUALITY   | MAX. RAP        | DENSITY<br>ACCEPTANCE | _ | KEY PLAN   |
| 401: BITUMINOUS<br>SURFACE<br>COURSE, N30<br>METHOD I,<br>SUPERPAVE | @ 3.0% SBS PG70-28   | A              | 0%              | NUCLEAR GAUGE         |   |  |
| 403: BITUMINOUS<br>BASE COURSE,<br>METHOD 1,<br>SUPERPAVE           | @ 3.0% SBS PG70-28   | В              | 20%             | NUCLEAR GAUGE         | С | DRAWING TITLE<br>TYPICAL SECTIONS<br>AND PAVEMENT<br>DETAILS   |
|   |  |                |                 |                       |   | <u>9 OF 30</u><br>APPROVED SHEET NO.<br><u>RMH</u><br>CHECKED <b>9</b><br><u>KWS</u><br>DRAWN BY<br>JVJ  |

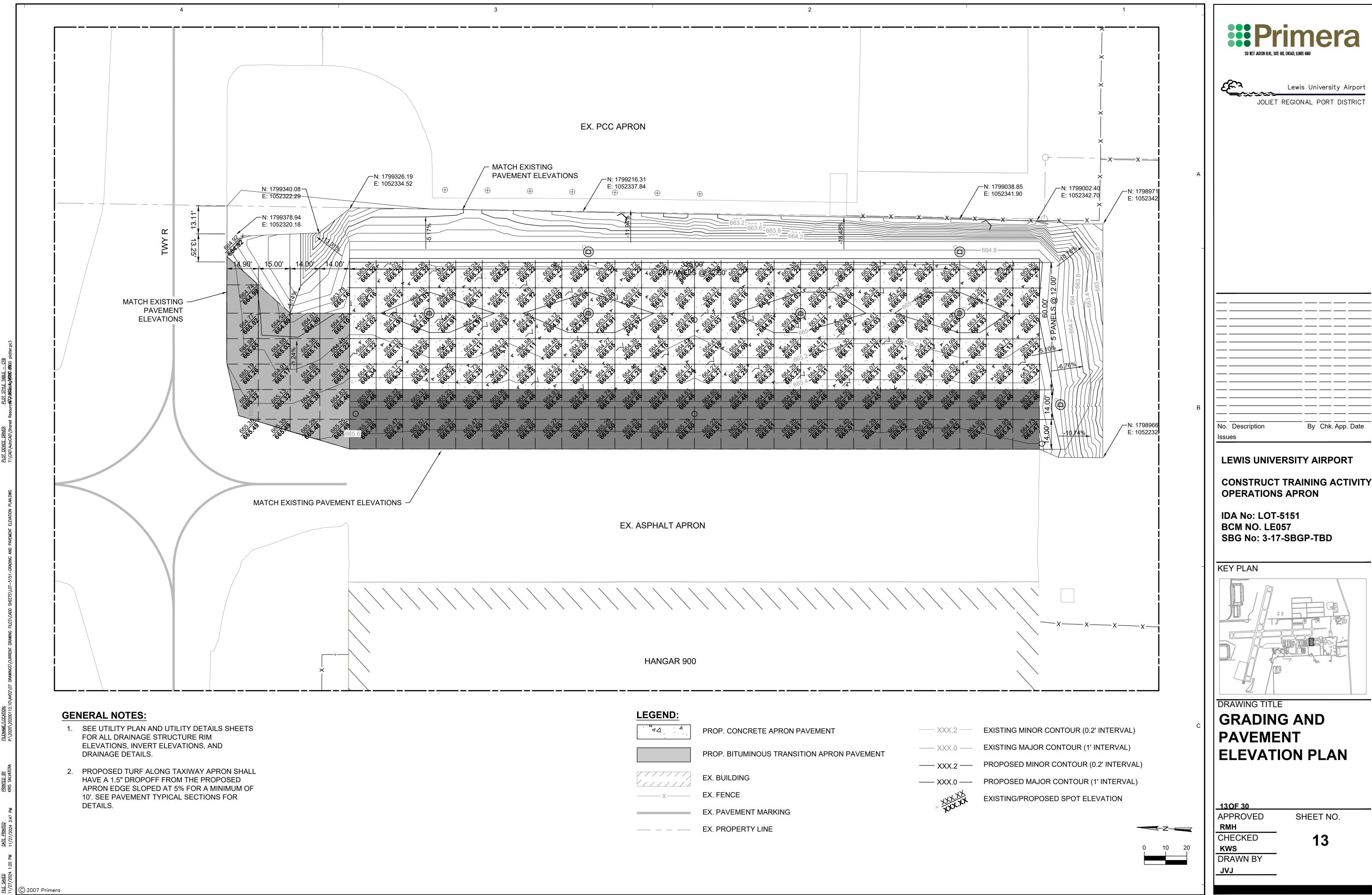


| LEGEND: |   |
|---------|---|
| V 7 7   | PROP. CONCRETE APRON PAVEMENT                               |
|         | PROP. HANGAR 900 BITUMINOUS PAVEMENT TRANSITION             |
|         | PROP. TAXIWAY R / TAXIWAY R2 BITUMINOUS PAVEMENT TRANSITION |
|         | EX. BUILDING  |
| X       | EX. FENCE   |
|         | EX. PAVEMENT MARKING  |
|         | EX. PROPERTY LINE   |
|         |   |

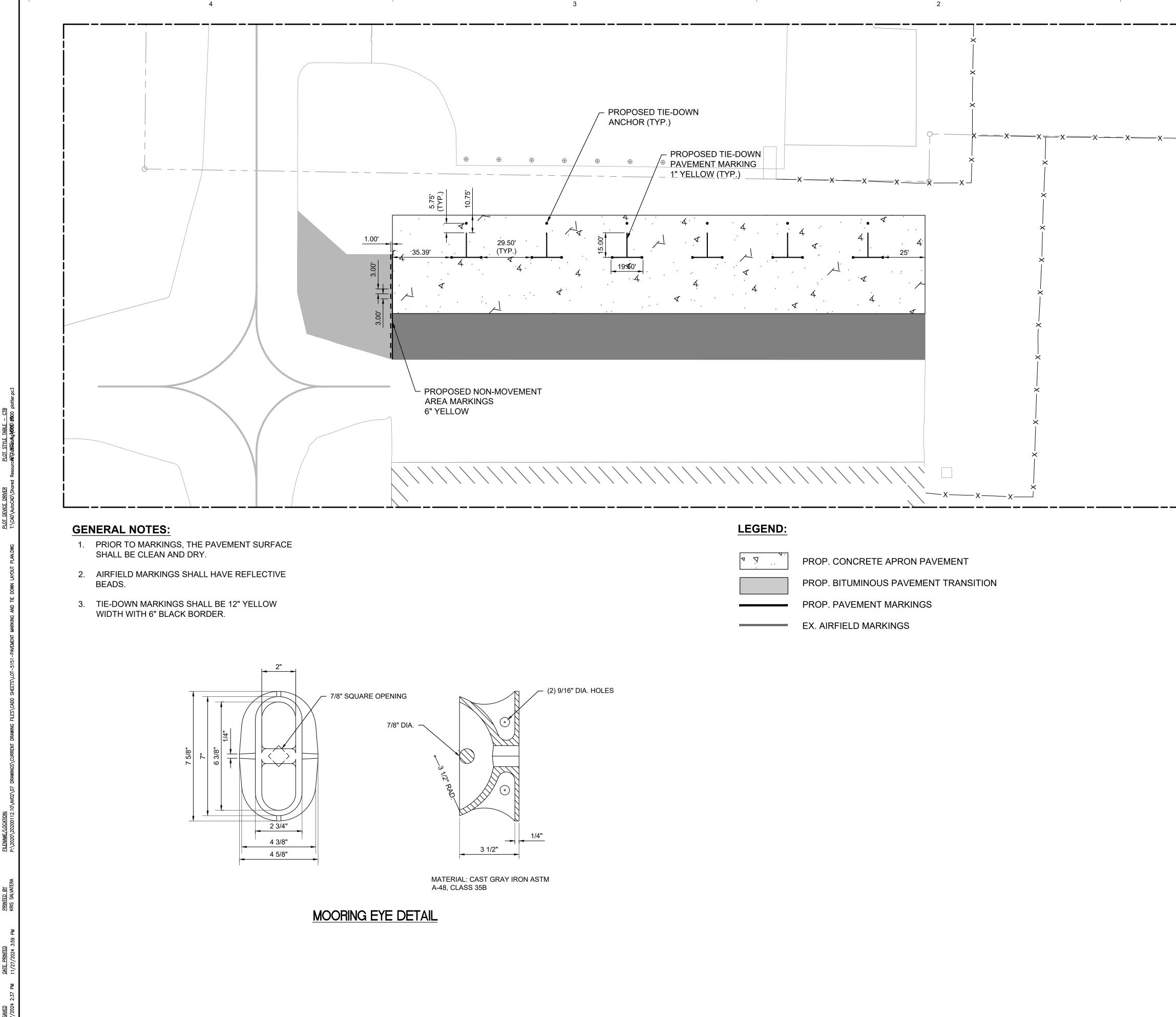


| LEGEND: |   |     |                 |
|---------|---|-----|-----------------|
|         | PROP. CONCRETE APRON PAVEMENT                             | (A) | TYPE "A" THICKE |
|         | PROP. HANGAR 900 BITUMINOUS PAVEMENT TRANSITION           | C   | TYPE "C" DOWE   |
|         |   | D   | TYPE "D" DUMM   |
|         | PROP. TAXIWAY R/TAXIWAY R2 BITUMINOUS PAVEMENT TRANSITION | (E) | TYPE "E" DOWE   |
|         | EX. BUILDING  |     | ASPHALT PAVIN   |
| X       | EX. FENCE   |     |                 |
|         | EX. PAVEMENT MARKING                                      |     |                 |
|         | EX. PROPERTY LINE   |     |                 |





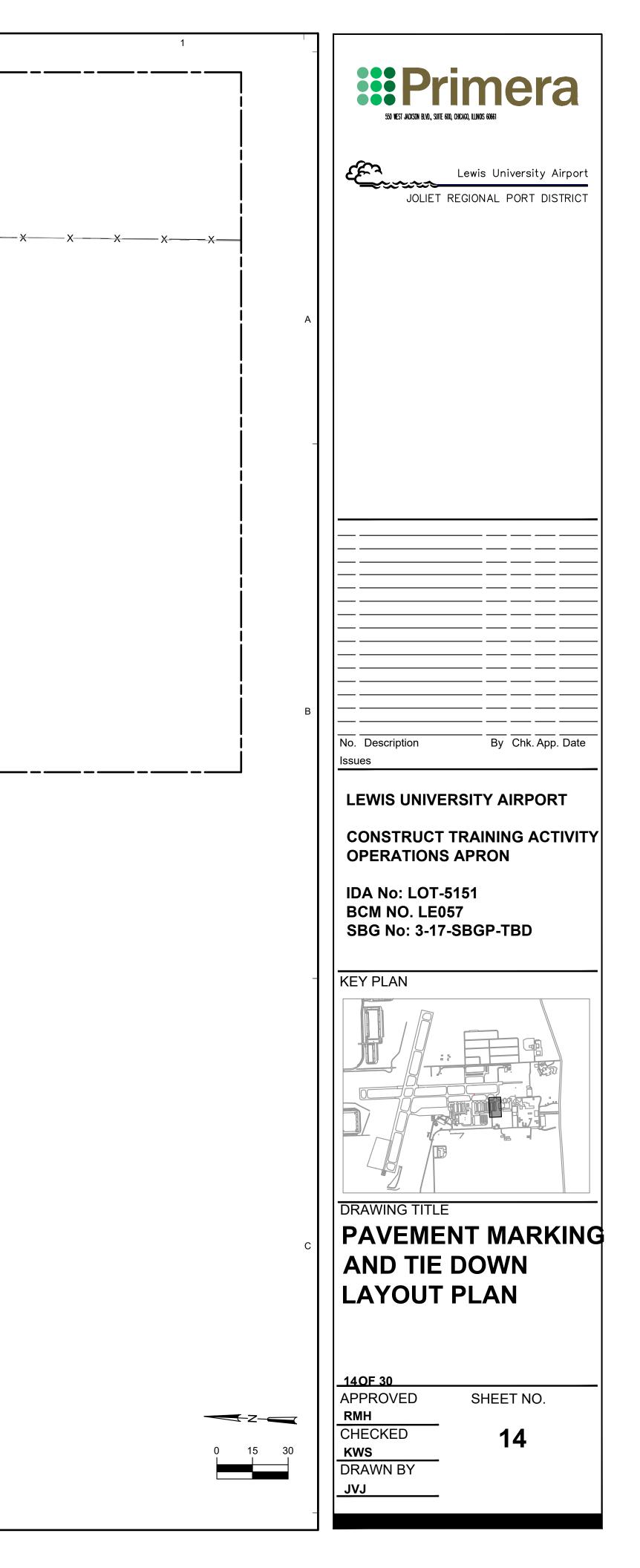
| LEGEND:    |  |             |          |
|------------|--|-------------|----------|
| <u>م</u> م | PROP. CONCRETE APRON PAVEMENT              | XXX.2       | EXISTING |
|            | PROP. BITUMINOUS TRANSITION APRON PAVEMENT | —— XXX.0 —— | EXISTING |
|            |  | —— XXX.2 —— | PROPOS   |
|            | EX. BUILDING                               | —— XXX.0 —— | PROPOS   |
| X          | EX. FENCE                                  | 1 XXXX      | EXISTING |
|            | EX. PAVEMENT MARKING                       | × XXXXXX    |          |
|            | EX. PROPERTY LINE                          |             |          |

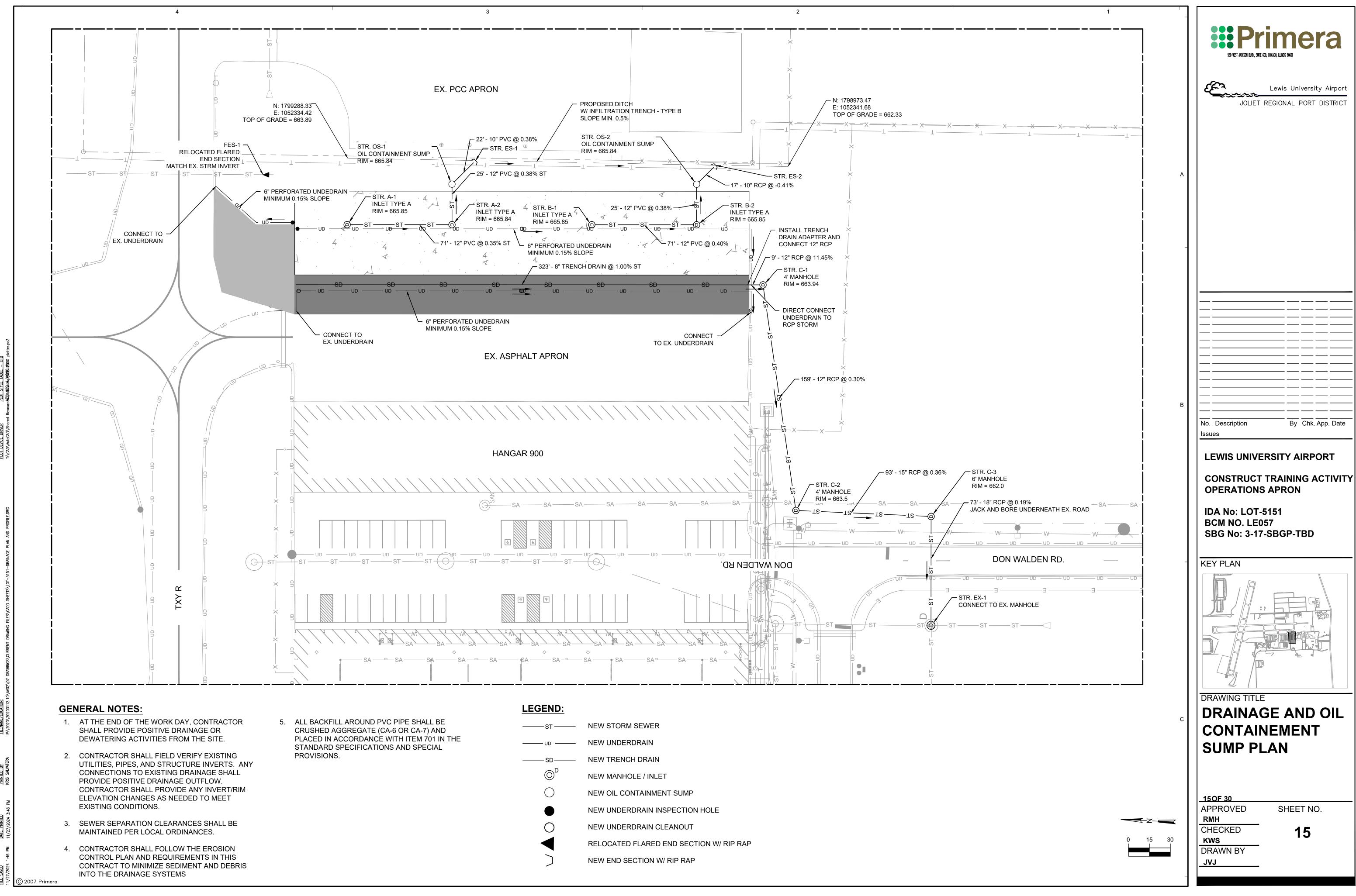


| PROP. CONCRETE APRON PAVEMENT        |
|--------------------------------------|
| PROP. BITUMINOUS PAVEMENT TRANSITION |
| <br>PROP. PAVEMENT MARKINGS          |
| <br>EX AIRFIELD MARKINGS             |

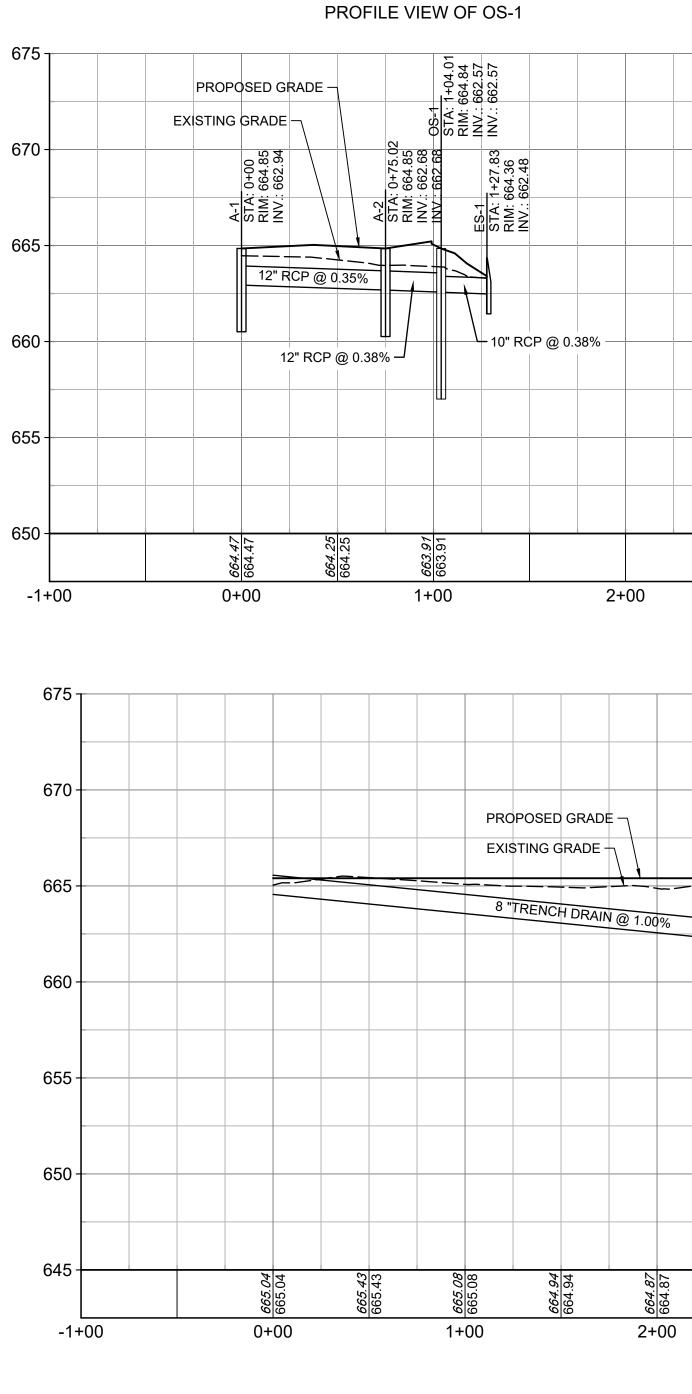
11/2

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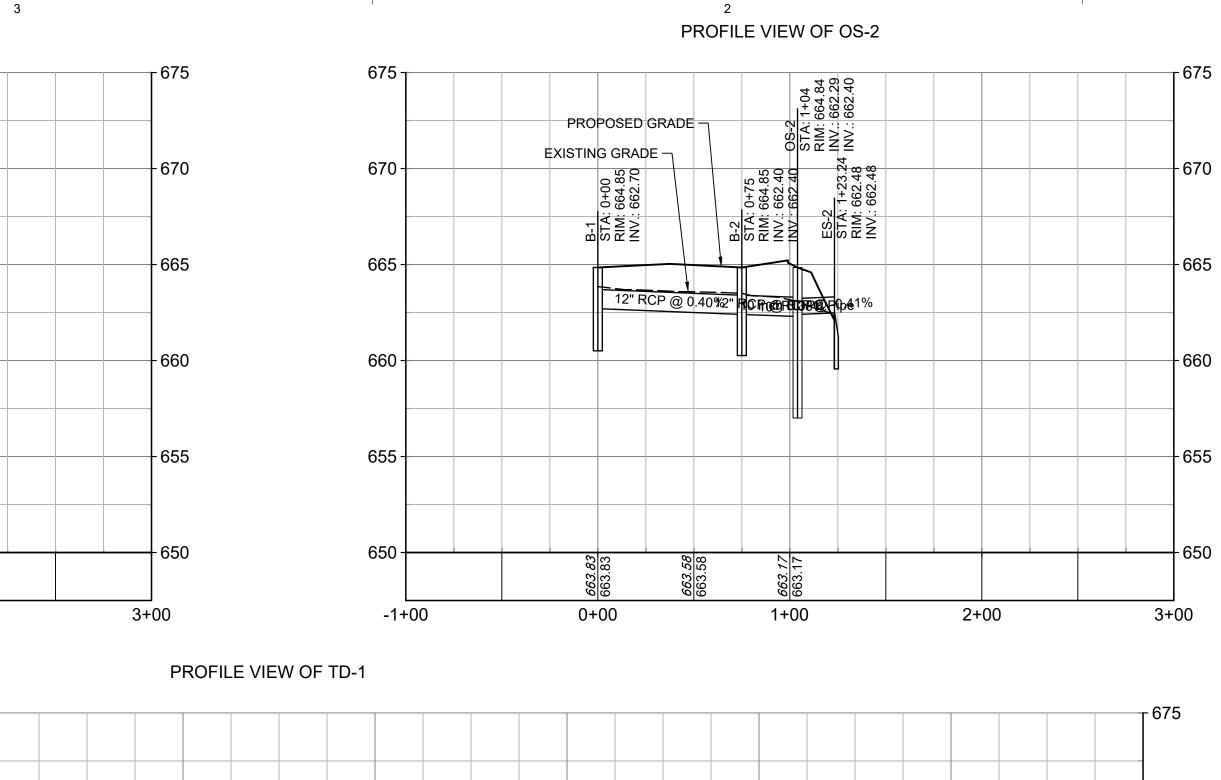
| STORM SEWER STRUCTURE TABLE |                                 |            |            |         |        |             |
|-----------------------------|---------------------------------|------------|------------|---------|--------|-------------|
| STR. NO.                    | TYPE                            | NORTHING   | EASTING    | STATION | RIM    | INVERT      |
| A-1                         | INLET TYPE A                    | 1799286.69 | 1052286.81 | 0+00.00 | 664.85 | 662.94 (S)  |
| A-2                         | INLET TYPE A                    | 1799211.75 | 1052289.97 | 0+75.02 | 664.85 | 662.68 (E)  |
| B-1                         | INLET TYPE A                    | 1799111.84 | 1052294.17 | 0+00.00 | 664.85 | 662.70 (S)  |
| B-2                         | INLET TYPE A                    | 1799036.91 | 1052297.32 | 0+75.00 | 664.85 | 662.40 (E)  |
| C-1                         | MANHOLE 4'                      | 1798987.64 | 1052256.36 | 3+34.00 | 663.94 | 660.59 (W)  |
| C-2                         | MANHOLE 4'                      | 1798957.33 | 1052096.06 | 4+97.13 | 663.50 | 660.00 (S)  |
| C-3                         | MANHOLE 6'                      | 1798860.48 | 1052095.86 | 5+93.98 | 662.01 | 659.65 (W)  |
| ES-1                        | CONCRETE HEADWALL - END SECTION | 1799196.81 | 1052336.45 | 1+27.83 | 664.36 |             |
| ES-2                        | CONCRETE HEADWALL END SECTION   | 1799025.10 | 1052340.45 | 1+23.24 | 662.48 |             |
| EX-1                        | EX. MANHOLE                     | 1798857.25 | 1052018.02 | 6+71.91 | 664.92 |             |
| OS-1                        | OIL CONTAINMENT SUMP            | 1799212.97 | 1052318.94 | 1+04.01 | 664.84 | 662.57 (SE) |
| OS-2                        | OIL CONTAINMENT SUMP            | 1799038.12 | 1052326.30 | 1+04.00 | 664.84 | 662.40 (SE) |

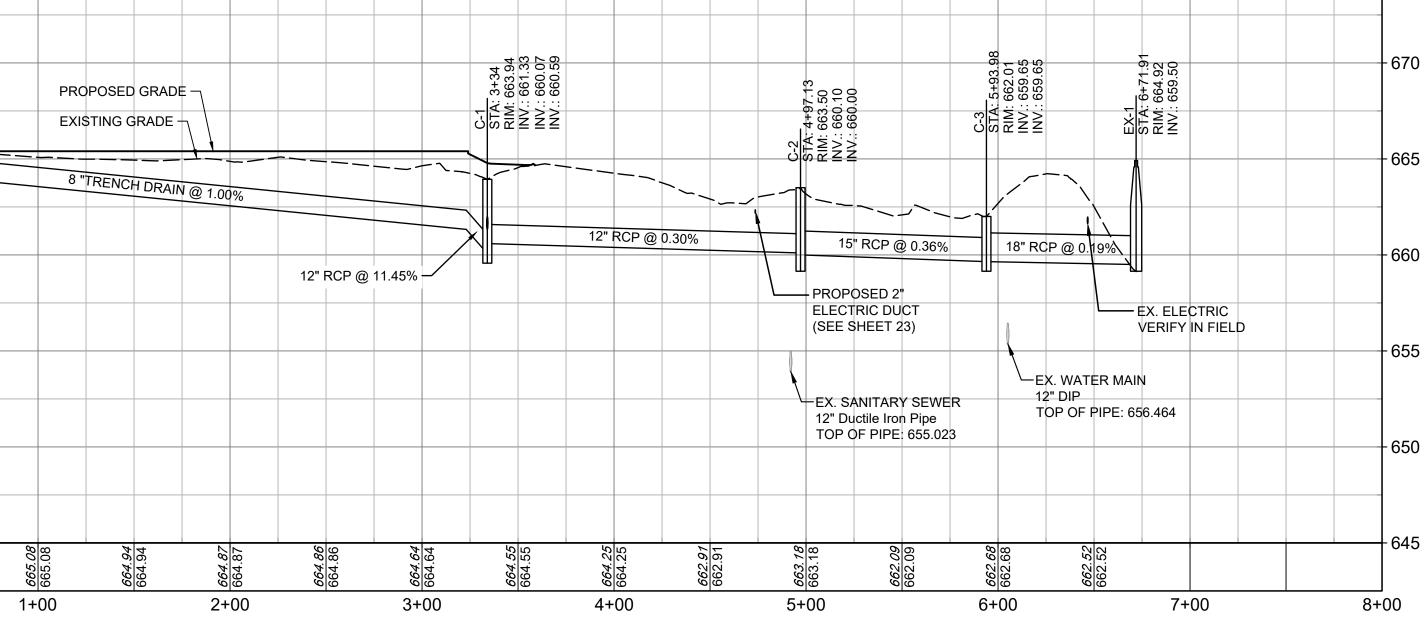
| <u>PLOT DEVICE DRIVER</u> <u>PLOT STYLE TABLE - CTB</u><br>T:\CAD\AutoCAD\Shared Resourc <del>&amp;E\DINGSLiAg\KOND.20000</del> plotter.pc3     |  |
|---|--|
| <u>filename/location:</u><br>P:\2020\20200112.10\av02\07 Drawings\current Drawing Files\cadd Sheets\lot-5151-drainage Profile and Schedules.DwG |  |
| <u>Printed By</u><br>Kris Salvatera   |  |
| <u>DATE PRINTED</u><br>PM 11/27/2024 3:48 PM  |  |

2024 2024

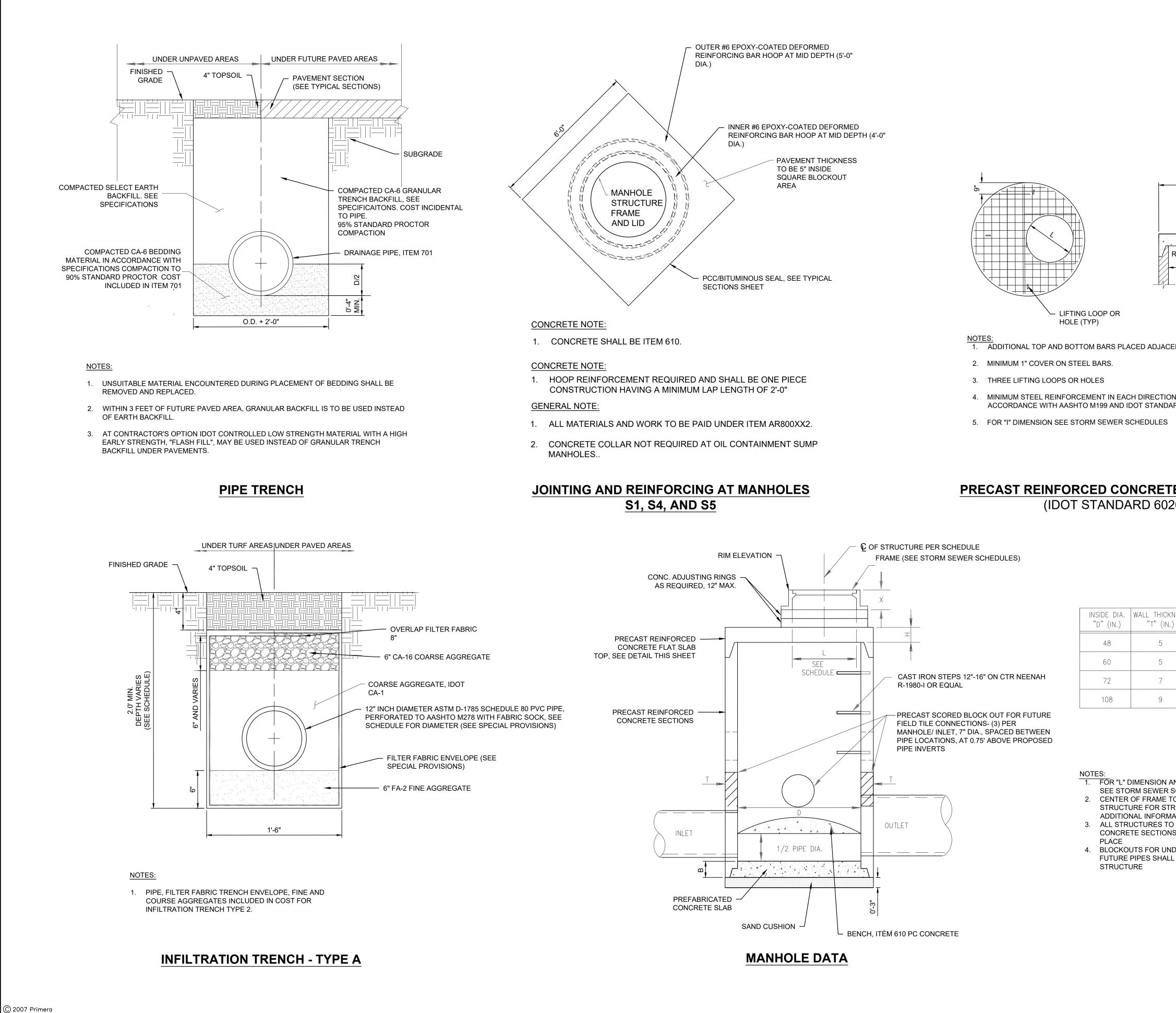
11/2

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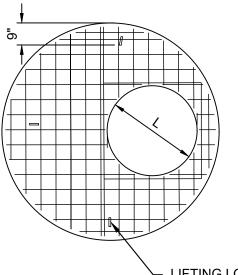


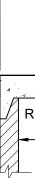


| 1   | STO WEST JACKSON BLVD, SUTE 600, CHICAGO, ILLINOIS 60661  |
|---|---|
|   | Lewis University Airport<br>JOLIET REGIONAL PORT DISTRICT   |
| A   |   |
| В   | Image: Second |
| c   | DRAWING TITLE<br>DRAINAGE<br>PROFILES AND<br>SCHEDULE   |
| 0 2.5 5<br>VERT. SCALE<br>0 25 50<br>HOR. SCALE | 16 OF 30APPROVEDSHEET NO.RMHCHECKEDKWS16DRAWN BYJVJ   |



3





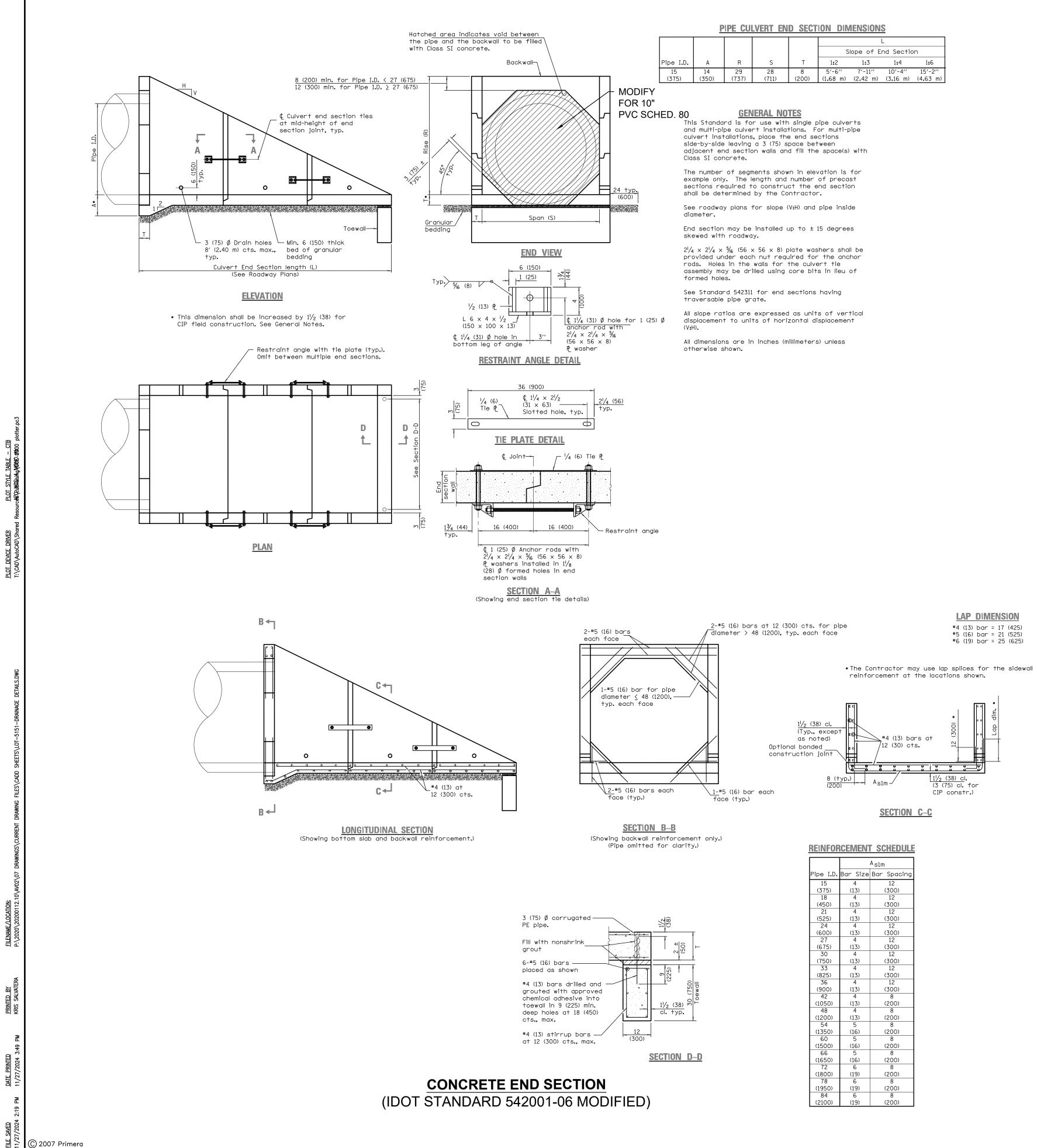
- LIFTING LOOP OR HOLE (TYP)

2

- 4. MINIMUM STEEL REINFORCEMENT IN EACH DIRECTION ACCORDANCE WITH AASHTO M199 AND IDOT STANDAF
- 5. FOR "I" DIMENSION SEE STORM SEWER SCHEDULES

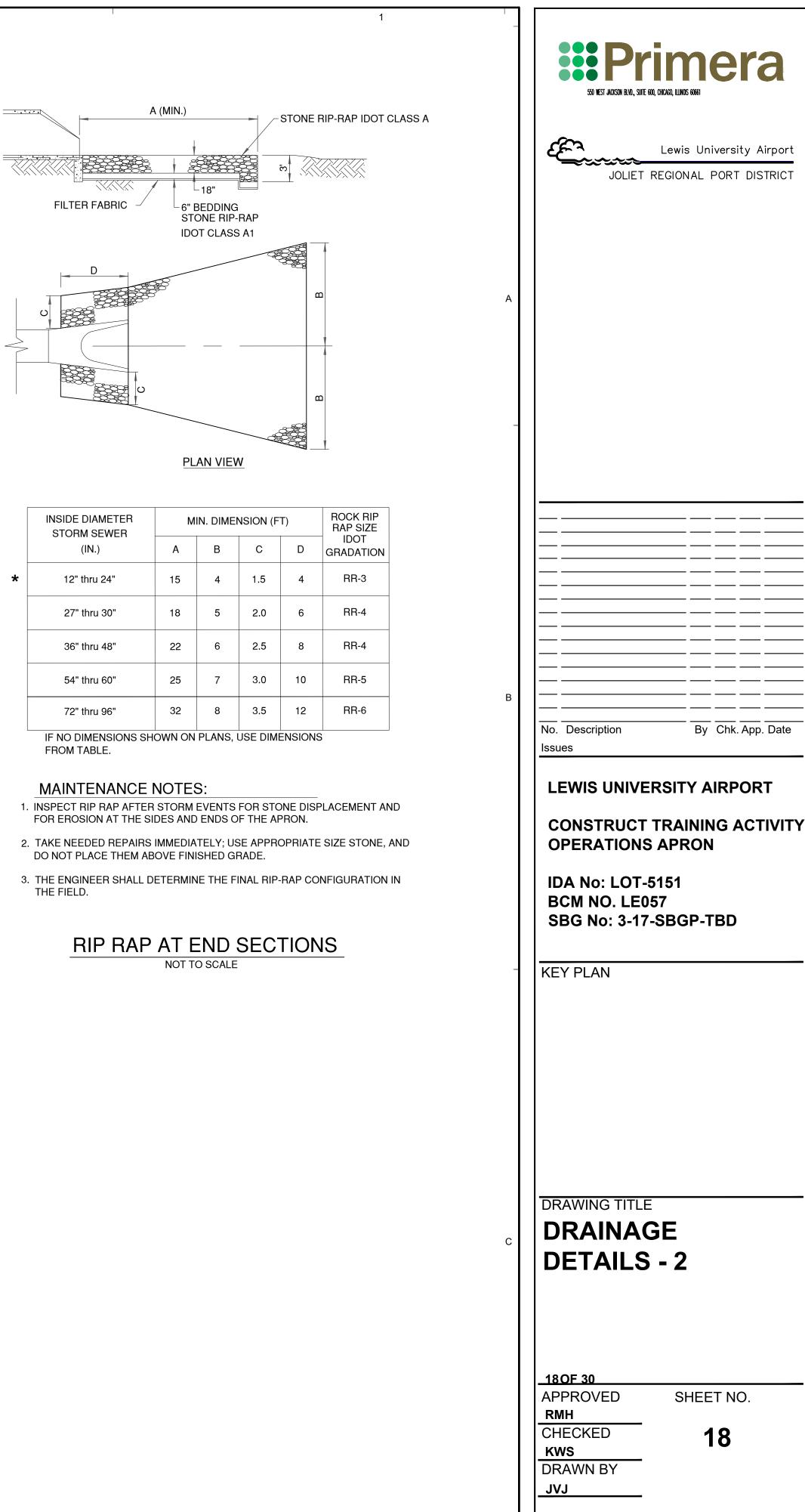
### PRECAST REINFORCED CONCRETE (IDOT STANDARD 602

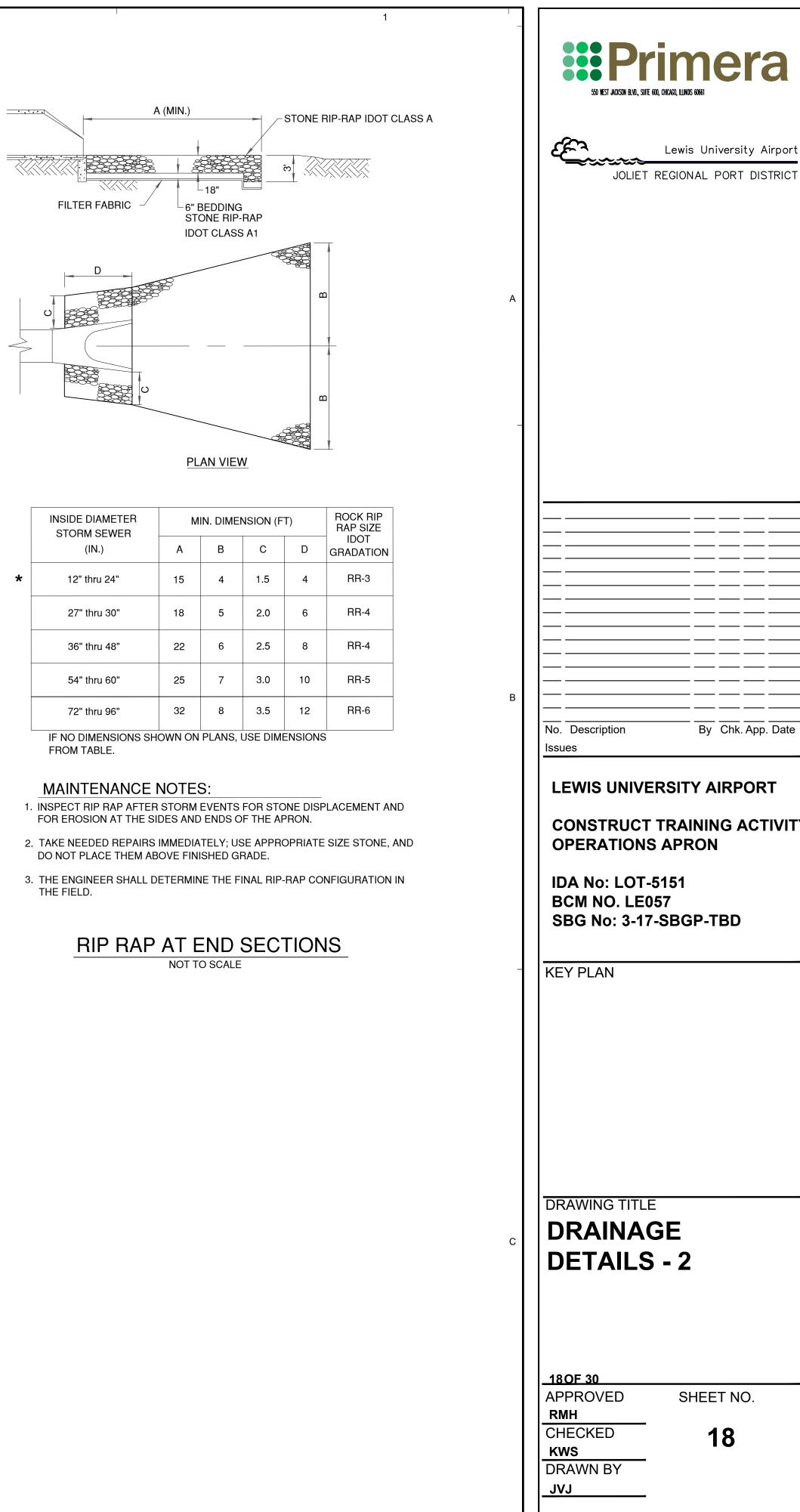
|   |   |   | 1                                     |   | SO NEST JACKSON BLND, SJITE GOD, CHICAGO, LILINOIS GOGGI  |
|---|---|---|---------------------------------------|---|---|
|   |   | D + 2T<br>L<br>SEE<br>SCHEDUL   |                                       | A |   |
| NG LOOP OR<br>E (TYP)<br>TTOM BARS PLAC<br>TEEL BARS.   | MA  | FORCED CONCRE   |                                       |   |   |
| HTO M199 AND ID   | OOT STANDARDS   | BE WWF 1.06 SQ. I<br><b>FLAT SLAB</b>   |                                       | В | No. Description By Chk. App. Date Issues  |
|   | RD 60260  |   |                                       |   | LEWIS UNIVERSITY AIRPORT<br>CONSTRUCT TRAINING ACTIVITY<br>OPERATIONS APRON<br>IDA No: LOT-5151<br>BCM NO. LE057<br>SBG No: 3-17-SBGP-TBD |
| INSIDE DIA.<br>"D" (IN.)  | WALL THICKNESS<br>"T" (IN.)   | TOP THICKNESS<br>"H" (IN.)  | BOTTOM THICKNESS<br>"B" (IN.)         |   |   |
| 48  | 5   | 6   | 6                                     |   | KEY PLAN  |
| 60  | 5   | 8   | 8                                     |   |   |
| 72  | 7   | 8   | 8                                     |   |   |
| 108   | 9   | 9   | 8                                     |   |   |
| SEE STOP<br>2. CENTER (<br>STRUCTU<br>ADDITION<br>3. ALL STRU<br>CONCRET<br>PLACE<br>4. BLOCKOU | RM SEWER SCHE<br>OF FRAME TO BE<br>JRE FOR STRUCT<br>VAL INFORMATIO<br>JCTURES TO BE I<br>TE SECTIONS; BE<br>JTS FOR UNDERI<br>PIPES SHALL BE | RAME AND LID INF<br>DULES<br>USED FOR LOCAT<br>IURE LOCATIONS A<br>N SEE SCHEDULE<br>PRECAST REINFOF<br>ENCHES MAY BE CA<br>DRAIN CONNECTIO<br>PRECAST INTO THI | ING<br>ND<br>RCED<br>AST IN<br>NS AND | С | DRAWING TITLE<br>DRAINAGE<br>DETAILS - 1  |
|   |   |   |                                       | _ | APPROVED SHEET NO.  RMH CHECKED KWS DRAWN BY JVJ  |



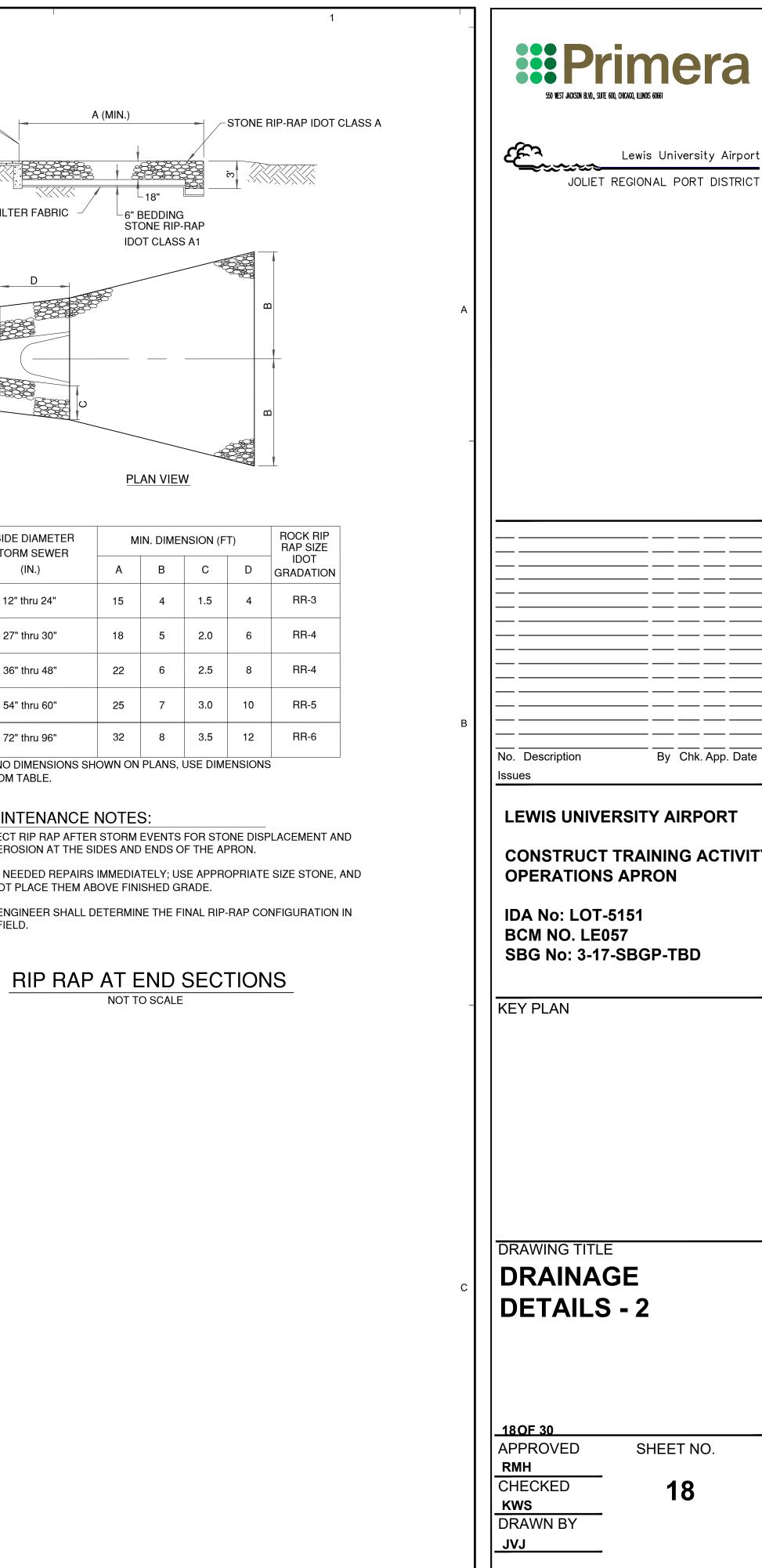
| 2 |  |
|---|--|

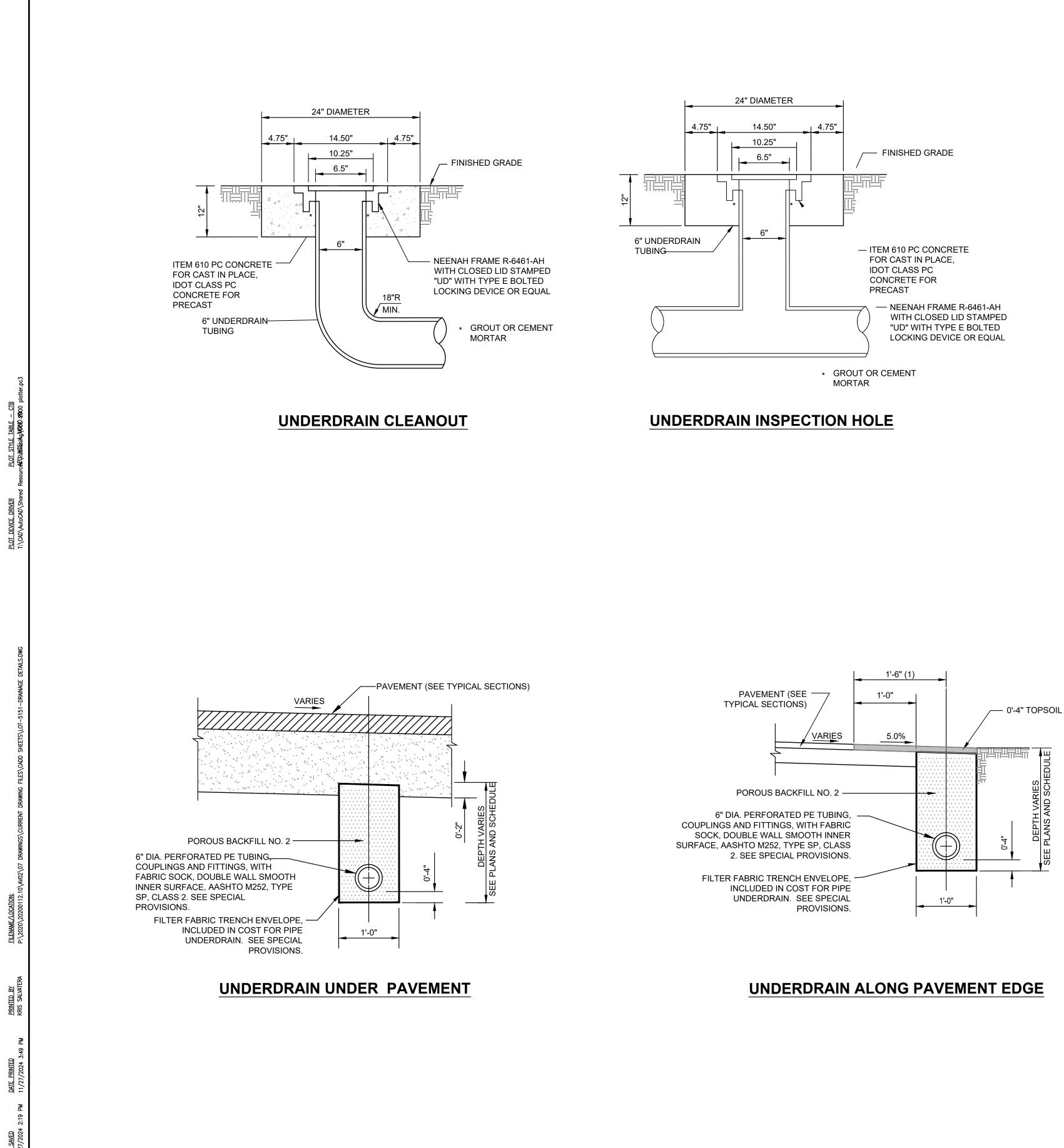
| [  |           |       |       |       |       | L                    |                   |                   |          |  |
|----|-----------|-------|-------|-------|-------|----------------------|-------------------|-------------------|----------|--|
|    |           |       |       |       |       | Slope of End Section |                   |                   |          |  |
|    | Pipe I.D. | А     | R     | S     | Т     | 1:2                  | 1:3               | 1:4               | 1:6      |  |
| t  | 15        | 14    | 29    | 28    | 8     | 5′-6′′               | 7'-11''           | 10'-4''           | 15'-2''  |  |
|    | (375)     | (350) | (737) | (711) | (200) | (1.68 m)             | (2 <b>.</b> 42 m) | (3 <b>.</b> 16 m) | (4.63 m) |  |
| Ϋ́ |           |       |       |       |       |                      |                   |                   |          |  |





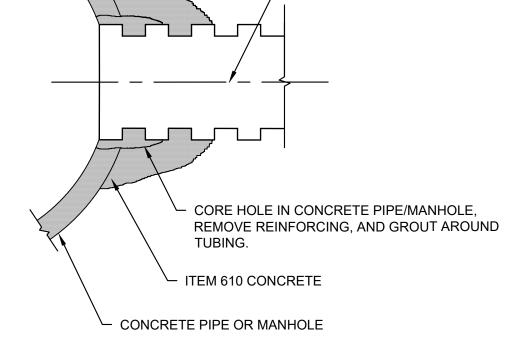
|   | INSIDE DIAMETER<br>STORM SEWER | N  |  |
|---|--------------------------------|----|--|
|   | (IN.)                          | А  |  |
| * | 12" thru 24"                   | 15 |  |
|   | 27" thru 30"                   | 18 |  |
|   | 36" thru 48"                   | 22 |  |
|   | 54" thru 60"                   | 25 |  |
|   | 72" thru 96"                   | 32 |  |
|   |                                |    |  |





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3

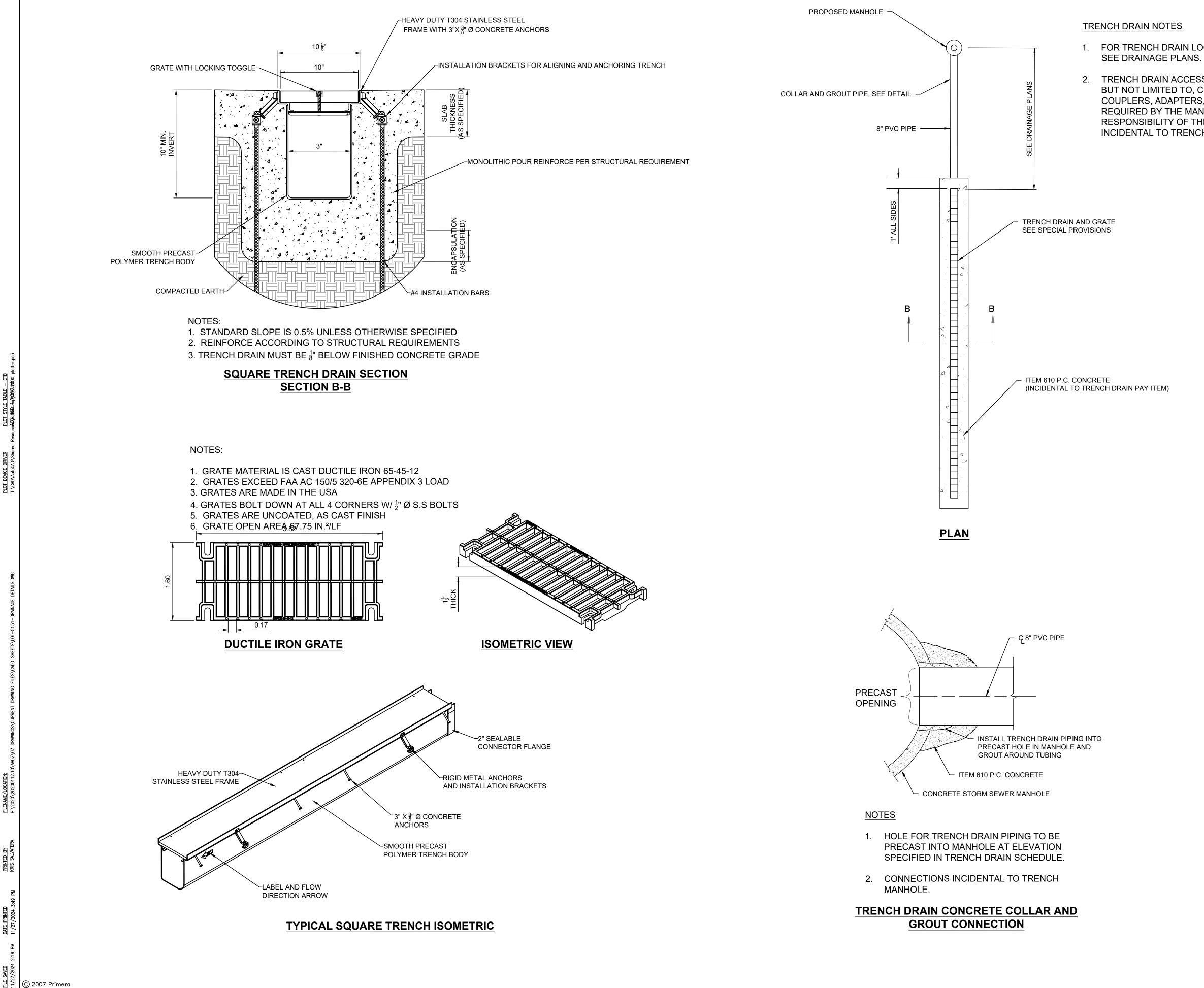


2

### STORM SEWER CONCRETE COLLAR AND **GROUT CONNECTION**

| _ | SO VEST JACKSON BLVD., SUTE 600, CHICAGO, ILINOIS 60661   |
|---|---|
|   | Lewis University Airport<br>JOLIET REGIONAL PORT DISTRICT   |
| A |   |
|   |   |
| _ |   |
|   |   |
| В | Image: Second state state       Image: Second state       Image: Second state       Image: Second state         Image: Second state       Image: Second state       Image: Second state       Image: Second state         Image: Second state       Image: Second state       Image: Second state       Image: Second state         Image: Second state       Image: Second state       Image: Second state       Image: Second state         Image: Second state       Image: Second state       Image: Second state       Image: Second state |
|   | LEWIS UNIVERSITY AIRPORT<br>CONSTRUCT TRAINING ACTIVITY<br>OPERATIONS APRON   |
|   | IDA No: LOT-5151<br>BCM NO. LE057<br>SBG No: 3-17-SBGP-TBD  |
| _ | KEY PLAN  |
|   |   |
| С | DRAWING TITLE<br>DRAINAGE<br>DETAILS - 3  |
|   | <u>190F 30</u><br>APPROVED SHEET NO.<br><u>RMH</u><br>CHECKED <b>19</b>   |
| _ | KWS<br>DRAWN BY<br>JVJ  |

– Ç UNDERDRAIN TUBING

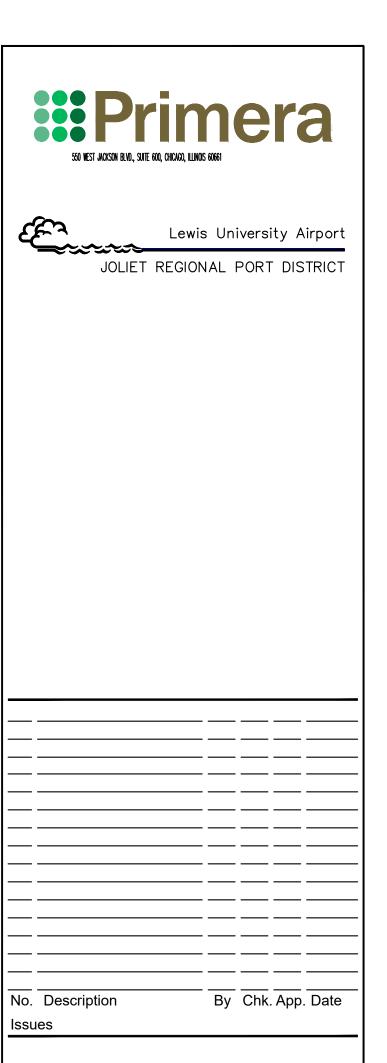


4

| TES |
|-----|
|-----|

1. FOR TRENCH DRAIN LOCATION AND INVERTS,

2. TRENCH DRAIN ACCESSORIES, TO INCLUDE BUT NOT LIMITED TO, CHANNEL FRAMES, COUPLERS, ADAPTERS, AND OTHER ITEMS REQUIRED BY THE MANUFACTURER ARE **RESPONSIBILITY OF THE CONTRACTOR AND** INCIDENTAL TO TRENCH DRAIN PAY ITEM.



### LEWIS UNIVERSITY AIRPORT

CONSTRUCT TRAINING ACTIVITY **OPERATIONS APRON** 

IDA No: LOT-5151 BCM NO. LE057 SBG No: 3-17-SBGP-TBD

KEY PLAN

DRAWING TITLE DRAINAGE **DETAILS - 4** 

20OF 30 APPROVED RMH

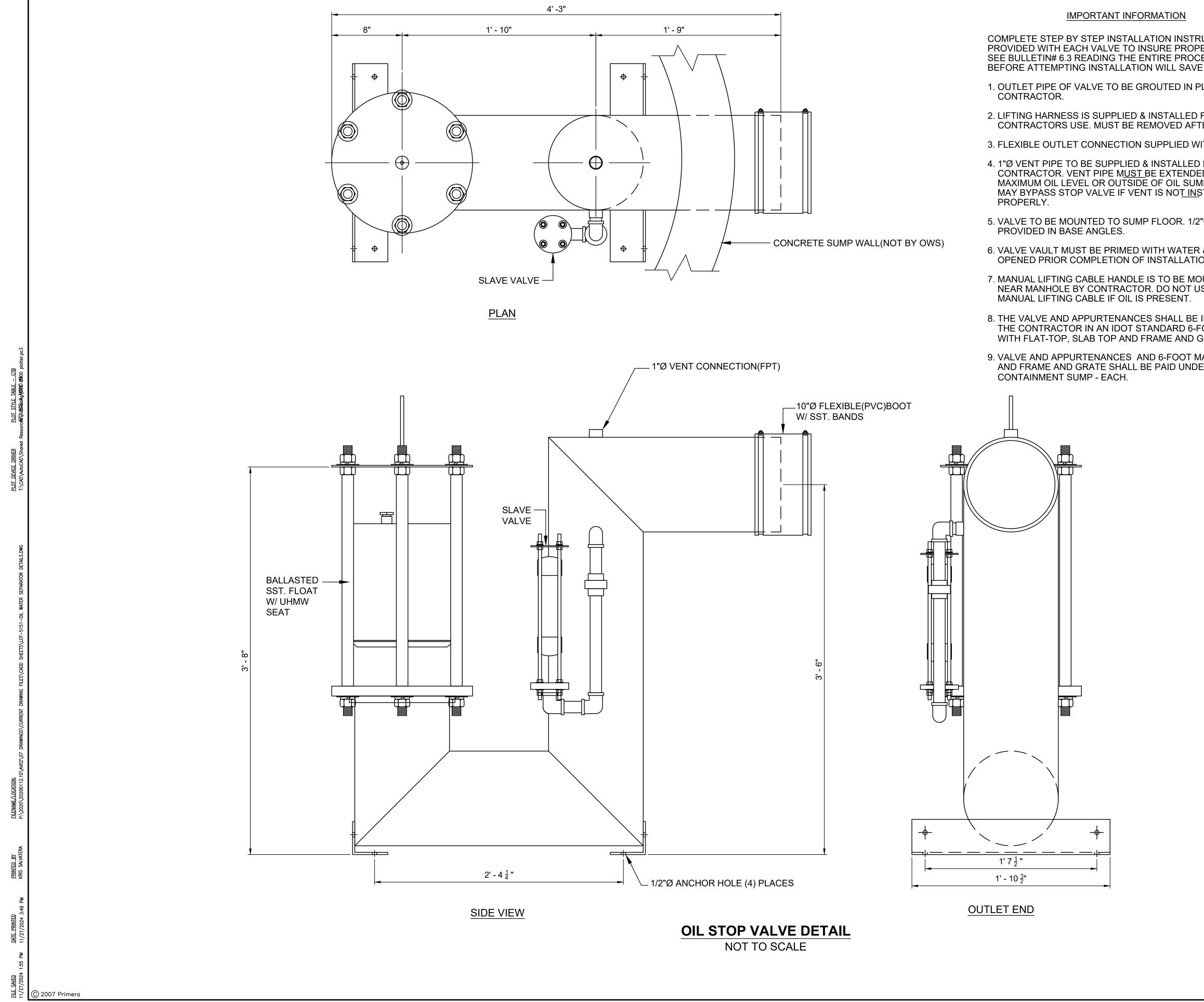
CHECKED

DRAWN BY

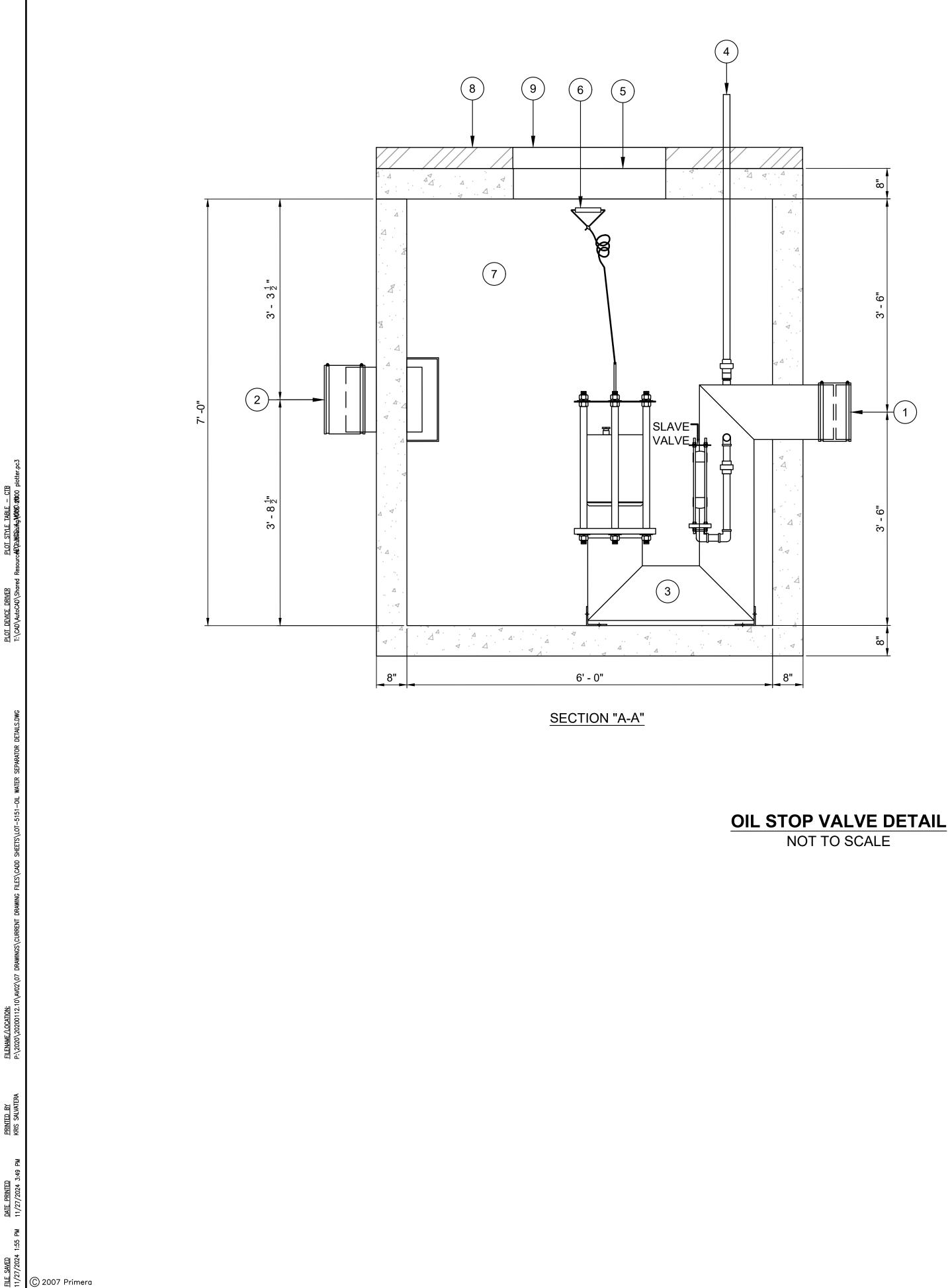
KWS

JVJ

SHEET NO.



|   | 50 WEST JACKSON BLVD, SUTE 600, CHCAGO, ILLINOIS 60661   |
|---|--|
| UCTIONS ARE<br>ER OPERATION.<br>EDURE<br>TIME & MONEY.<br>LACE BY     | Lewis University Airport<br>JOLIET REGIONAL PORT DISTRICT  |
| FOR<br>ER INSTALLATION.<br>ITH EACH VALVE<br>A<br>BY<br>ED ABOVE      |  |
| IP. OIL<br>STALLED<br>"Ø HOLES ARE<br>-                               |  |
| & FLOAT<br>DN.<br>DUNTED<br>SE  |  |
| INSTALLED BY<br>OOT MANHOLE<br>GRATE AS DETAILED.<br>ANHOLE<br>ER OIL |  |
| В   |  |
|   | LEWIS UNIVERSITY AIRPORT<br>CONSTRUCT TRAINING ACTIVITY  |
|   | OPERATIONS APRON<br>IDA No: LOT-5151<br>BCM NO. LE057<br>SBG No: 3-17-SBGP-TBD                         |
|   | KEY PLAN   |
|   |  |
| C   | DRAWING TITLE<br>OIL CONTAINMENT<br>SUMP DETAILS - 1   |
|   | 21OF 30       APPROVED     SHEET NO.       RMH     CHECKED       CHECKED     21       KWS     DRAWN BX |
|   | DRAWN BY<br>_JVJ   |



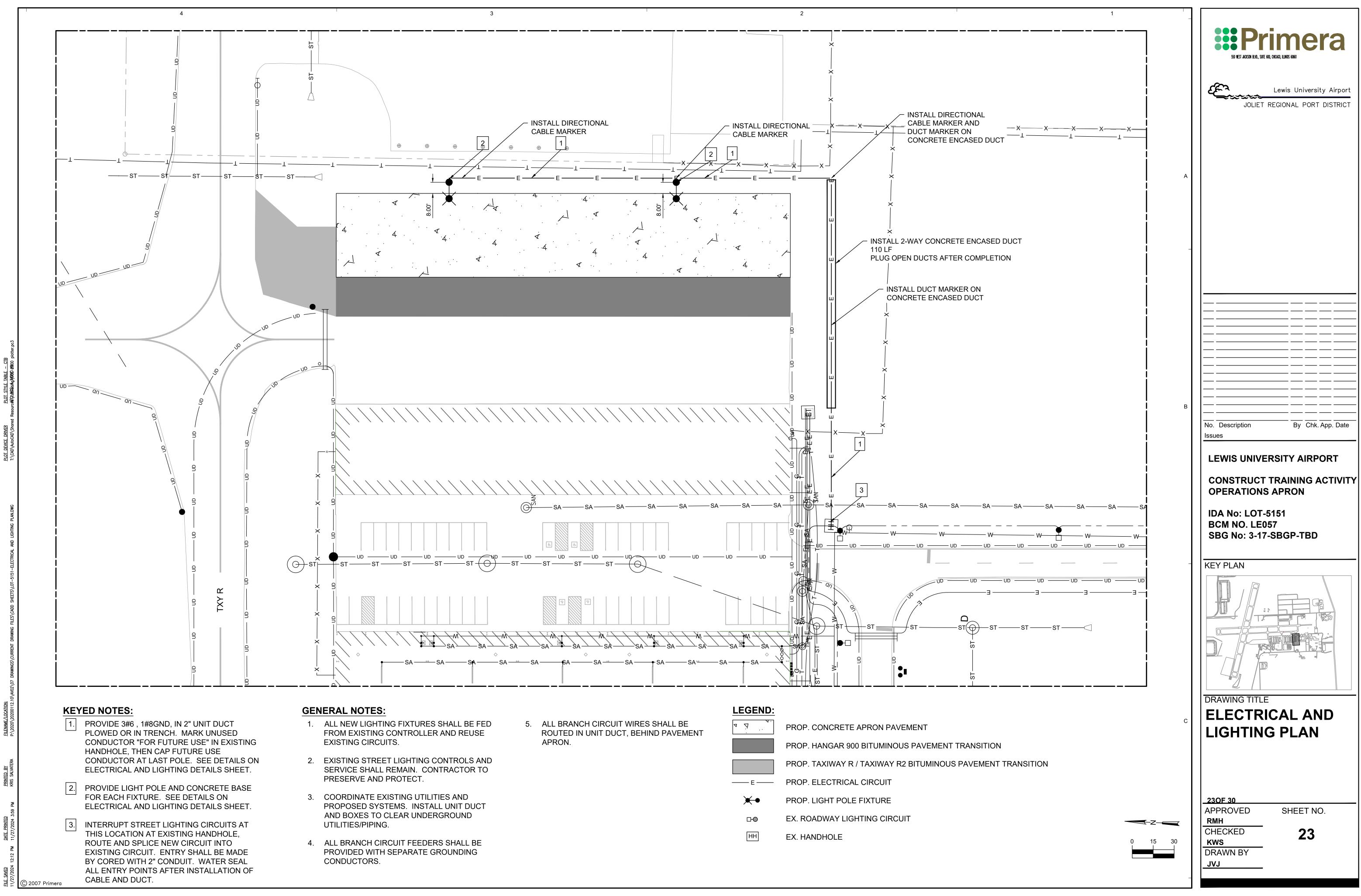
### ASSEMBLY LIST

- 12"Ø INLET, PIPE STUB W/ FLEX CONNECTOR (1)
- (2) 10"Ø OUTLET, PIPE W/ FLEX CONNECTOR
- 10"Ø OIL STOP VALVE (3)
- 1"Ø VENT/SIPHON BREAKER (4)
- 5 36"Ø MANWAY
- 6 FLOAT LIFT CABLE
- IDOT STANDARD MANHOLE 6-FOOT 7)
- IDOT STANDARD 602601-06 FLAT SLAB TOP / CENTERED HOLE (8)
- (9) IDOT STANDARD 604001-05 FRAME AND LID ASSEMBLY / CLOSED W/ SAFETY LOCK / STA
- (10) CRUSHED AGGREGATE (CA-7)

NOTE: ALL ITEMS ARE INCLUDED FOR PAYMENT UNDER OIL CONTAINMENT SUMP - EACH

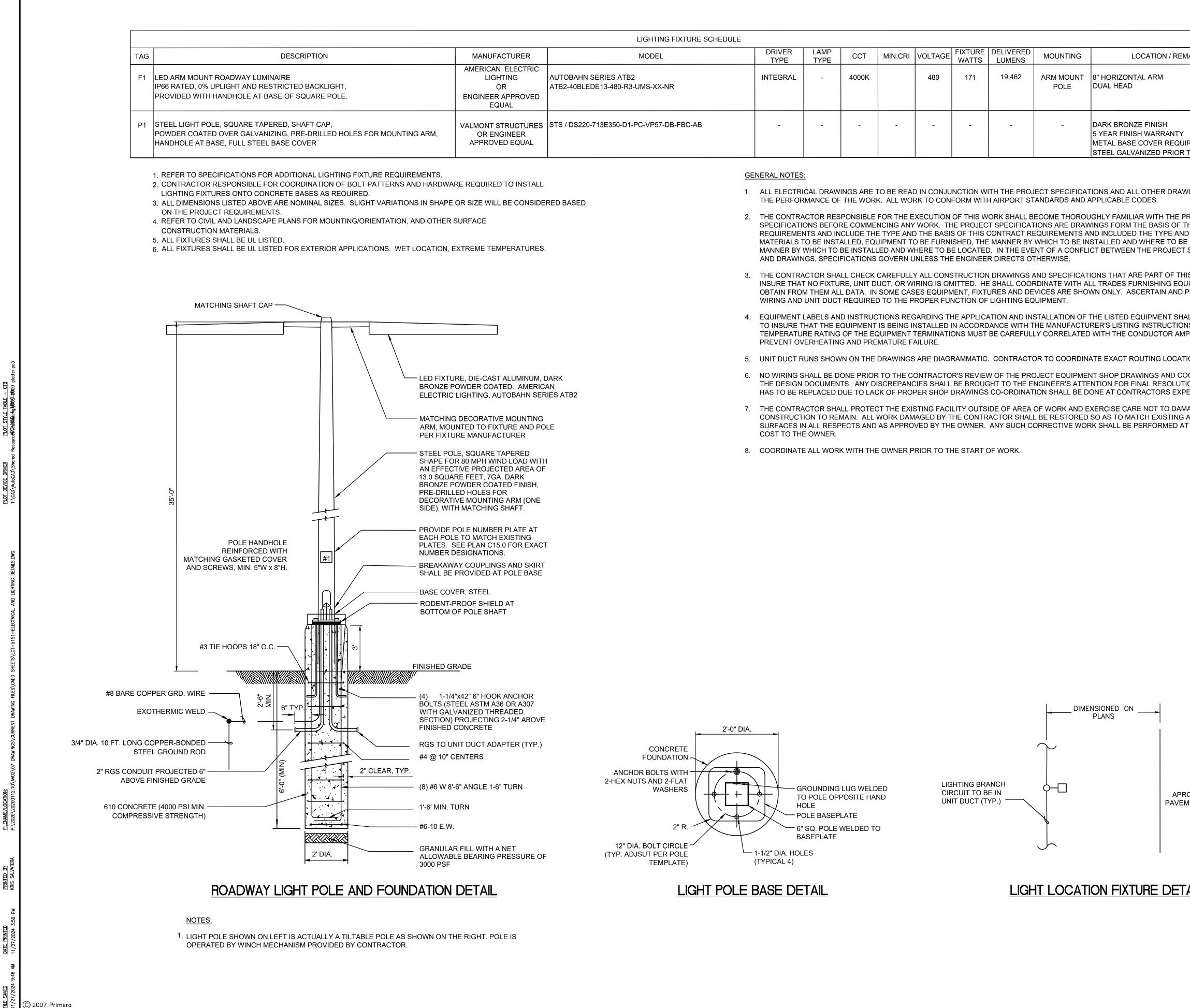
STRUCTURE SHALL BE POURED MONOLITHICALLY.

| 1                |   |
|------------------|---|
| 1                | SO NEST JOISSON BLVD., SUTE 600, CHICAGO, LUNOIS 60661  |
| A                |   |
| AMPED "OIL SUMP" |   |
| В                |   |
|                  | LEWIS UNIVERSITY AIRPORT<br>CONSTRUCT TRAINING ACTIVITY<br>OPERATIONS APRON<br>IDA No: LOT-5151<br>BCM NO. LE057<br>SBG No: 3-17-SBGP-TBD |
|                  | KEY PLAN  |
| c                | DRAWING TITLE<br>OIL CONTAINMENT<br>SUMP DETAILS - 2  |
|                  | 22OF 30         APPROVED       SHEET NO.         RMH         CHECKED       22         KWS         DRAWN BY         JVJ                    |



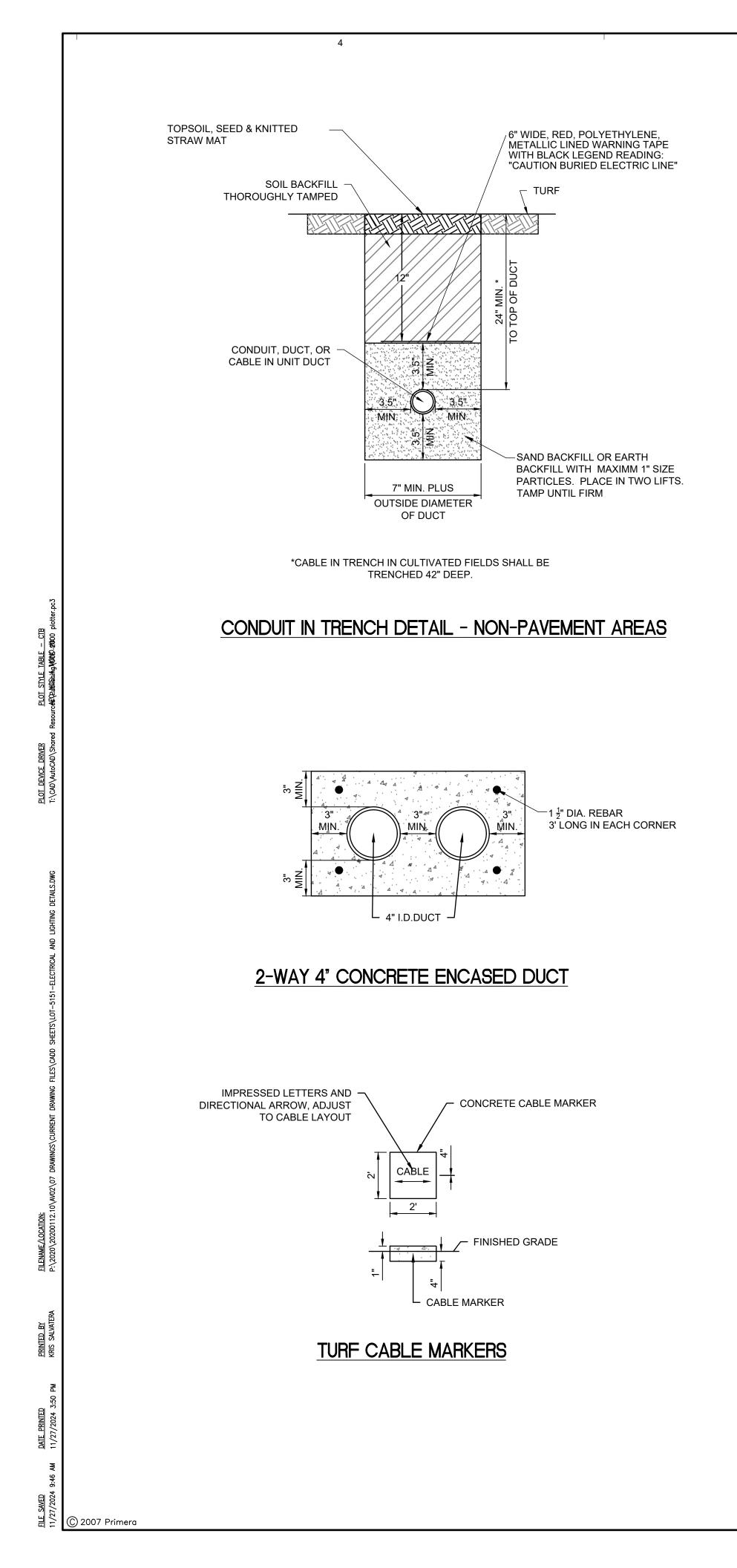
| <u>LEOLIND.</u> |
|-----------------|
|                 |
|                 |
|                 |
| —— E ——         |
| <b>×</b> •      |
|                 |

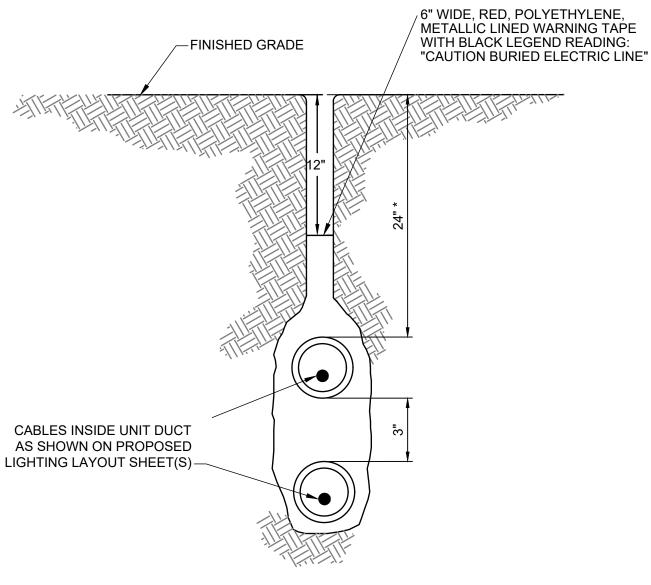
| PROP. HANGAR 900 BITUMINOUS PAVEMENT TRANSITION  |
|--|
| PROP. TAXIWAY R / TAXIWAY R2 BITUMINOUS PAVEMENT |
| PROP. ELECTRICAL CIRCUIT                         |



| RIVER<br>TYPE | LAMP<br>TYPE | ССТ                 | MIN CRI  | VOLTAGE  | FIXTURE<br>WATTS   | DELIVERED<br>LUMENS  | MOUNTING   | LOCATION / REMAR   |
|---------------|--------------|---------------------|--|--|--|--|--|--|
| EGRAL         | -            | 4000K               |  | 480  | 171  | 19,462   |  | 8" HORIZONTAL ARM<br>DUAL HEAD   |
| -             | -            | -                   | -  | -  | -  | -  | -  | DARK BRONZE FINISH<br>5 YEAR FINISH WARRANTY<br>METAL BASE COVER REQUIRE<br>STEEL GALVANIZED PRIOR TO  |
| I             | YPE          | YPE TYPE<br>EGRAL - | YPE     TYPE     CC1       EGRAL     -     4000K | YPE     TYPE     CC1     MIN CR1       EGRAL     -     4000K | YPE     TYPE     CC1     MIN CRI     VOLTAGE       EGRAL     -     4000K     480 | YPE     TYPE     CC1     MIN CRI     VOLTAGE     WATTS       EGRAL     -     4000K     480     171 | YPETYPECC1MIN CRIVOLTAGEWATTSLUMENSEGRAL-4000K48017119,462 | YPE     TYPE     CC1     MIN CRI     VOLTAGE     WATTS     LUMENS     MOUNTING       EGRAL     -     4000K     480     171     19,462     ARM MOUNT POLE |

|   | SO WEST MOXSON BLVD., SITE 600, CHICAGO, ILINOIS 60661  |
|---|---|
| IARKS   | Lewis University Airport<br>JOLIET REGIONAL PORT DISTRICT   |
| RED<br>TO COATING<br>A  |   |
| /INGS RELATED TO<br>ROJECT<br>HIS CONTRACT<br>O GRADE OF<br>LOCATED. IN THE<br>SPECIFICATIONS |   |
| IS PROJECT TO<br>VIPMENT AND<br>PROVIDE THE   |   |
| IS. THE<br>PACITY TO<br>ION IN FIELD.<br>PORDINATION WITH<br>ON. WORK THAT                    |   |
| ENSE.<br>AGE ANY EXISTING<br>ADJACENT<br>T NO ADDITIONAL<br>B                                 | Image: Christian Structure       Image: Christian Structure         Image: Chrintettee       Image: Christian Structu |
|   | LEWIS UNIVERSITY AIRPORT<br>CONSTRUCT TRAINING ACTIVITY<br>OPERATIONS APRON   |
|   | IDA No: LOT-5151<br>BCM NO. LE057<br>SBG No: 3-17-SBGP-TBD  |
|   | KEY PLAN  |
| ON<br>ÆNT<br>C  | DRAWING TITLE<br>ELECTRICAL AND<br>LIGHTING DETAILS -<br>1  |
| AIL   | 24OF 30         APPROVED       SHEET NO.         RMH       CHECKED         CHECKED       24         KWS       DRAWN BY         JVJ       JVJ  |
| _   |   |





\*CABLE IN TRENCH IN CULTIVATED FIELDS SHALL BE PLOWED 42" DEEP.

### PLOWED CABLE DETAIL

### UNIT DUCT TRENCH/PLOW NOTES:

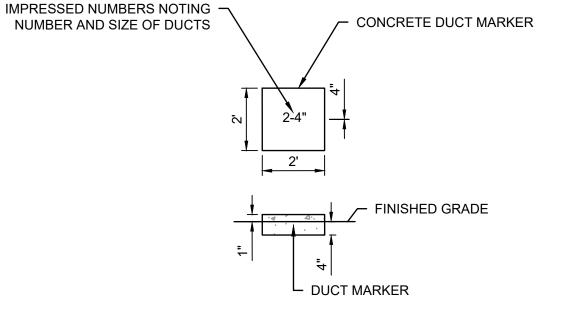
- 1. DIMENSIONS FOR COVERAGE AND SEPARATION BETWEEN DUCTS ARE MINIMUM.
- 2. TRENCHES WITH MORE THAN TWO DUCTS OR CABLE IN UNIT DUCTS SHALL BE INCREASED 3" IN WIDTH PLUS DIAMETER OF RESPECTIVE DUCT FOR EACH ADDITIONAL CONDUIT, DUCT, OR CABLE IN UNIT DUCT; IF SPECIFIED ON PLANS TWO PARALLEL TRENCHES MAY BE CONSTRUCTED.
- 3. DEPTH OF TRENCHES SHALL BE AS SHOWN ABOVE UNLESS OTHERWISE SPECIFIED ON THE PLANS. MINIMUM COVER REQUIREMENTS FOR CABLES AND DUCTS AT AIRPORT RUNWAYS AND ADJACENT AREAS WHERE TRESPASSING IS PROHIBITED IS 24 INCHES. MINIMUM COVER REQUIREMENTS FOR DUCTS LOCATED IN CULTIVATED FIELDS IS 42". ADJUST/INCREASE BURIAL DEPTHS TO ACCOMMODATE SITE CONDITIONS, DRAINAGE, AND/OR OBSTRUCTIONS. COVER IS DEFINED AS THE SHORTEST DISTANCE IN INCHES MEASURED BETWEEN A POINT ON THE TOP SURFACE OF ANY DIRECT-BURIED CONDUCTOR, CABLE, CONDUIT, OR OTHER RACEWAY AND THE TOP SURFACE OF FINISHED GRADE, CONCRETE OR SIMILAR COVER.
- 4. HIGH VOLTAGE CIRCUITS (AIRFIELD LIGHTING 5000 VOLT SERIES CIRCUITS AND/OR OTHER CIRCUITS RATED ABOVE 600 VOLTS) AND LOW VOLTAGE CIRCUITS (RATED 600 VOLTS AND BELOW) SHALL NOT BE INSTALLED IN THE SAME RACEWAY, CONDUIT, DUCT, HANDHOLE, OR MANHOLE.
- 5. DUCT INTERFACE TO LIGHT POLES, HANDHOLES, MANHOLES, SPLICE CANS, OR OTHER JUNCTION STRUCTURES WILL BE CONSIDERED INCIDENTAL TO THE RESPECTIVE CABLE IN UNIT DUCT PAY ITEM OR RESPECTIVE DUCT PAY ITEM.
- 6. ALL DISTURBED SURFACES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION. COST IS INCIDENTAL TO TRENCH.

### DUCT BANK/MARKER NOTES:

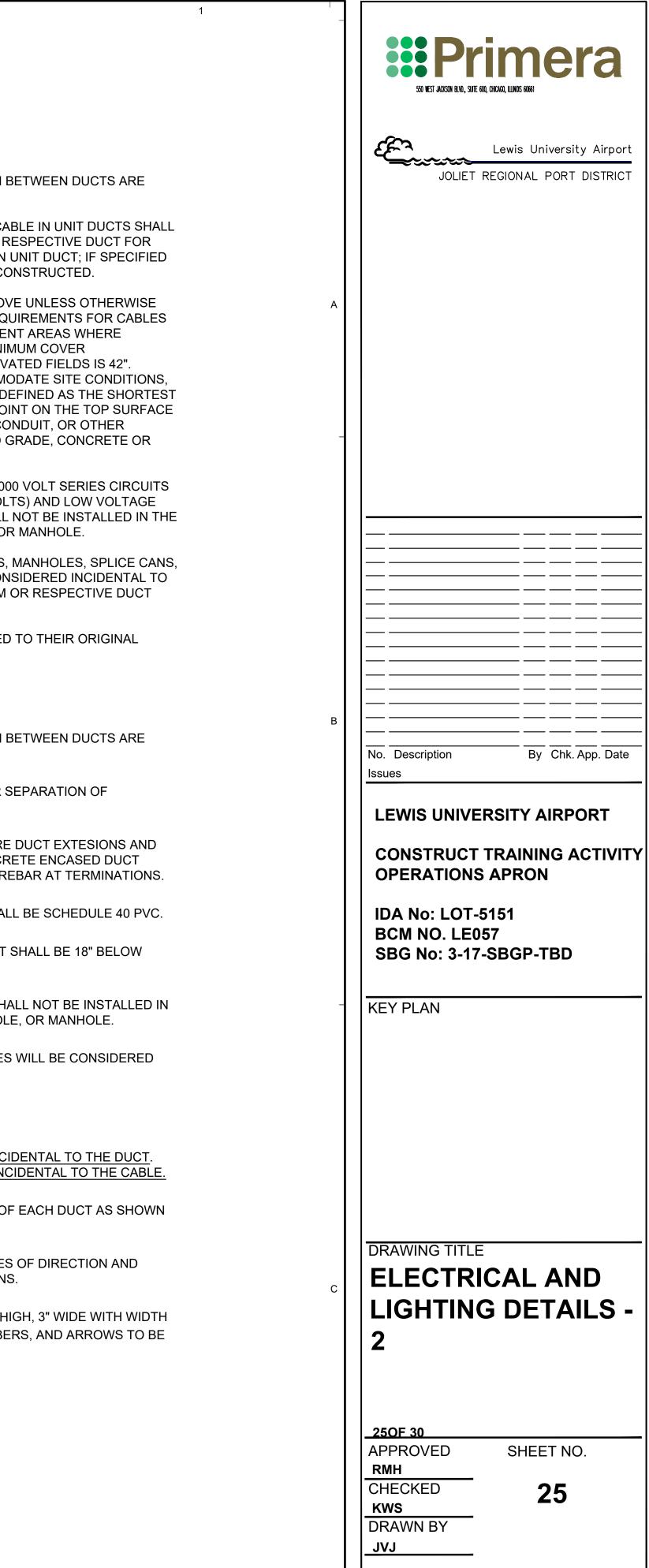
- 1. DIMENSIONS FOR COVERAGE AND SEPARATION BETWEEN DUCTS ARE MINIMUM.
- 2. INCLUDE DUCT SPACERS TO MAINTAIN PROPER SEPARATION OF CONDUITS.
- 3. REBAR IS REQUIRED TO ACCOMMODATE FUTURE DUCT EXTESIONS AND INTERFACE AT DUCT BANK TERINATIONS. CONCRETE ENCASED DUCT BANKS TERMINATING IN HANDHOLES REQUIRE REBAR AT TERMINATIONS.
- 4. CONDUITS FOR CONCRETE ENCASED DUCT SHALL BE SCHEDULE 40 PVC.
- 5. MINIMUM DEPTH OF TOP OF DUCT ENCASEMENT SHALL BE 18" BELOW FINISHED GRADE.
- 6. HIGH VOLTAGE AND LOW VOLTAGE CIRCUITS SHALL NOT BE INSTALLED IN THE SAME RACEWAY, CONDUIT, DUCT, HANDHOLE, OR MANHOLE.
- 7. DUCT INTERFACE TO HANDHOLES OR MANHOLES WILL BE CONSIDERED INCIDENTAL TO THE DUCT.

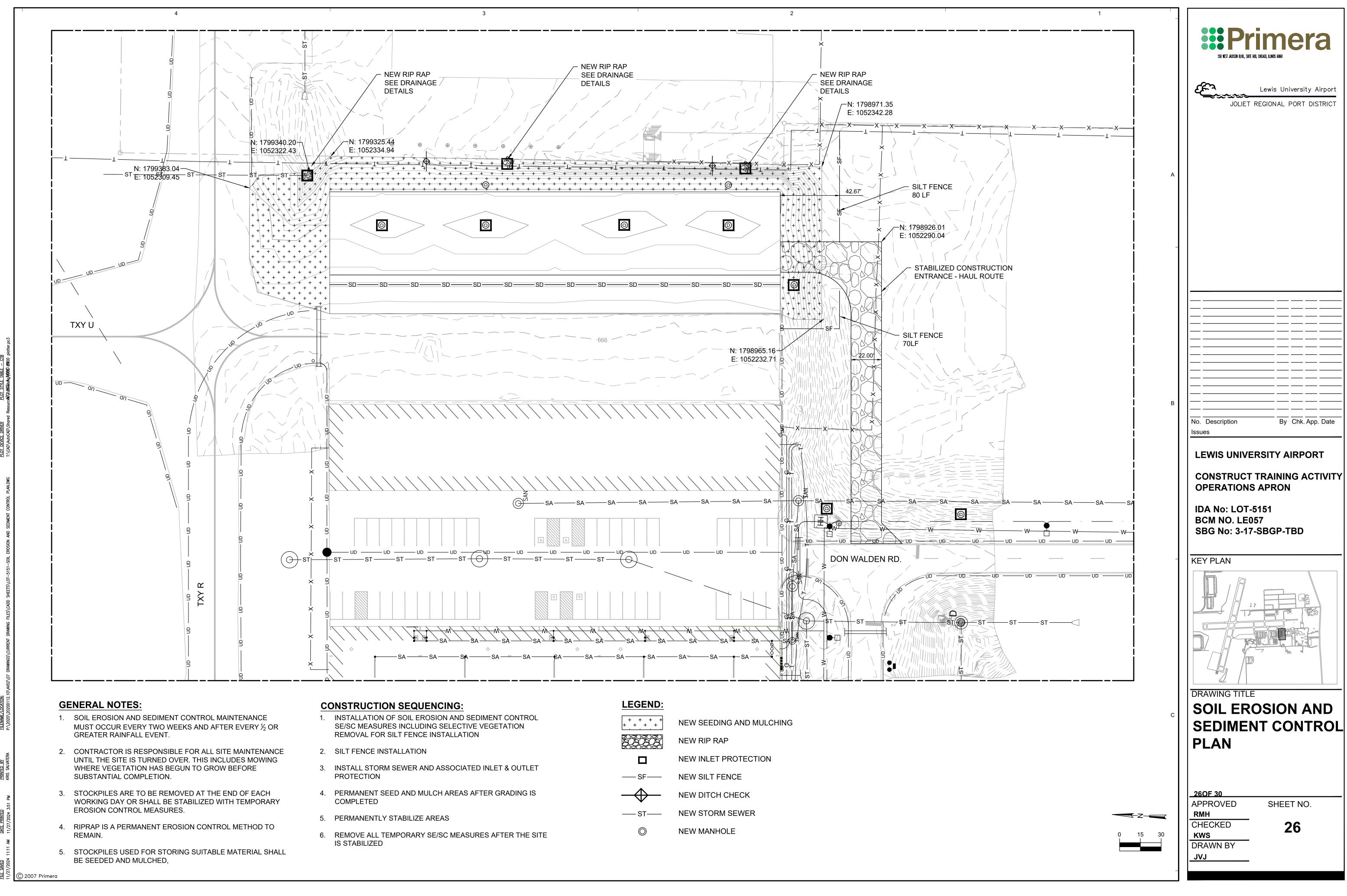
### CABLE/DUCT MARKER NOTES:

- 1. THE COST OF ALL DUCT MARKERS SHALL BE <u>INCIDENTAL TO THE DUCT</u>. THE COST OF ALL CABLE MARKERS SHALL BE <u>INCIDENTAL TO THE CABLE</u>.
- 2. DUCT MARKER TO BE PROVIDED AT EACH END OF EACH DUCT AS SHOWN ON THE PLANS.
- 3. CABLE MARKERS SHALL BE PLACED AT CHANGES OF DIRECTION AND APPROXIMATELY EVERY 200' ALONG CABLE RUNS.
- 4. CONCRETE MARKERS SHALL HAVE LETTERS 4" HIGH, 3" WIDE WITH WIDTH OF STROKE  $\frac{1}{2}$ " AND  $\frac{1}{4}$ " DEEP. ALL LETTERS, NUMBERS, AND ARROWS TO BE IMPRESSED.



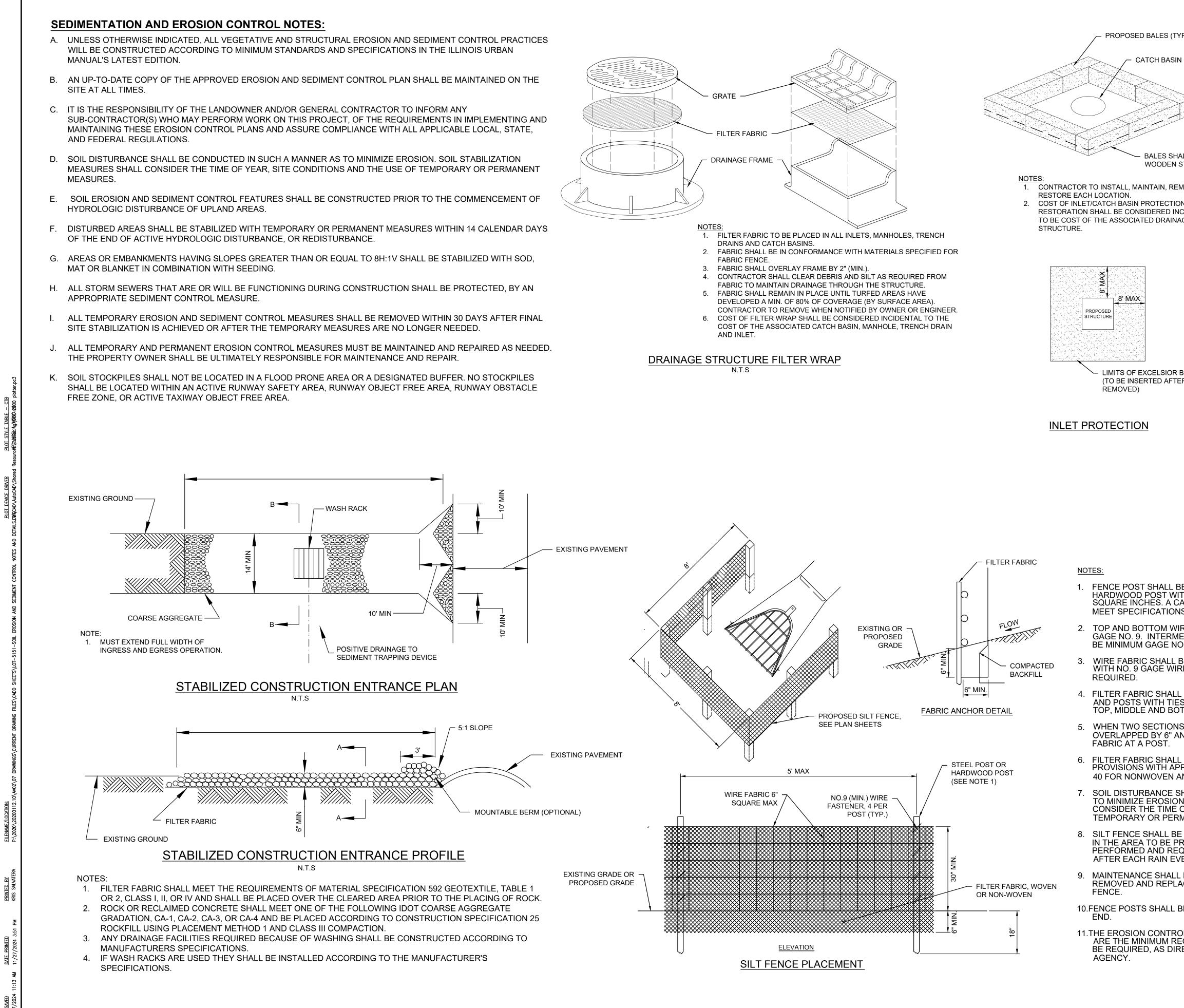
TURF DUCT MARKERS





| EDIMENT CONTROL<br>E VEGETATION<br>N<br>ED INLET & OUTLET |
|---|
|   |
| ED INLET & OUTLET   |
|   |
| —— SF——   |
| FTER GRADING IS   |
| ST  |
| RES AFTER THE SITE  |

| + | NEW SEEDING AND MULCHING |
|---|--------------------------|
|   | NEW RIP RAP              |
|   | NEW INLET PROTECTION     |
|   | NEW SILT FENCE           |
|   | NEW DITCH CHECK          |
|   | NEW STORM SEWER          |
|   | NEW MANHOLE              |
|   |                          |



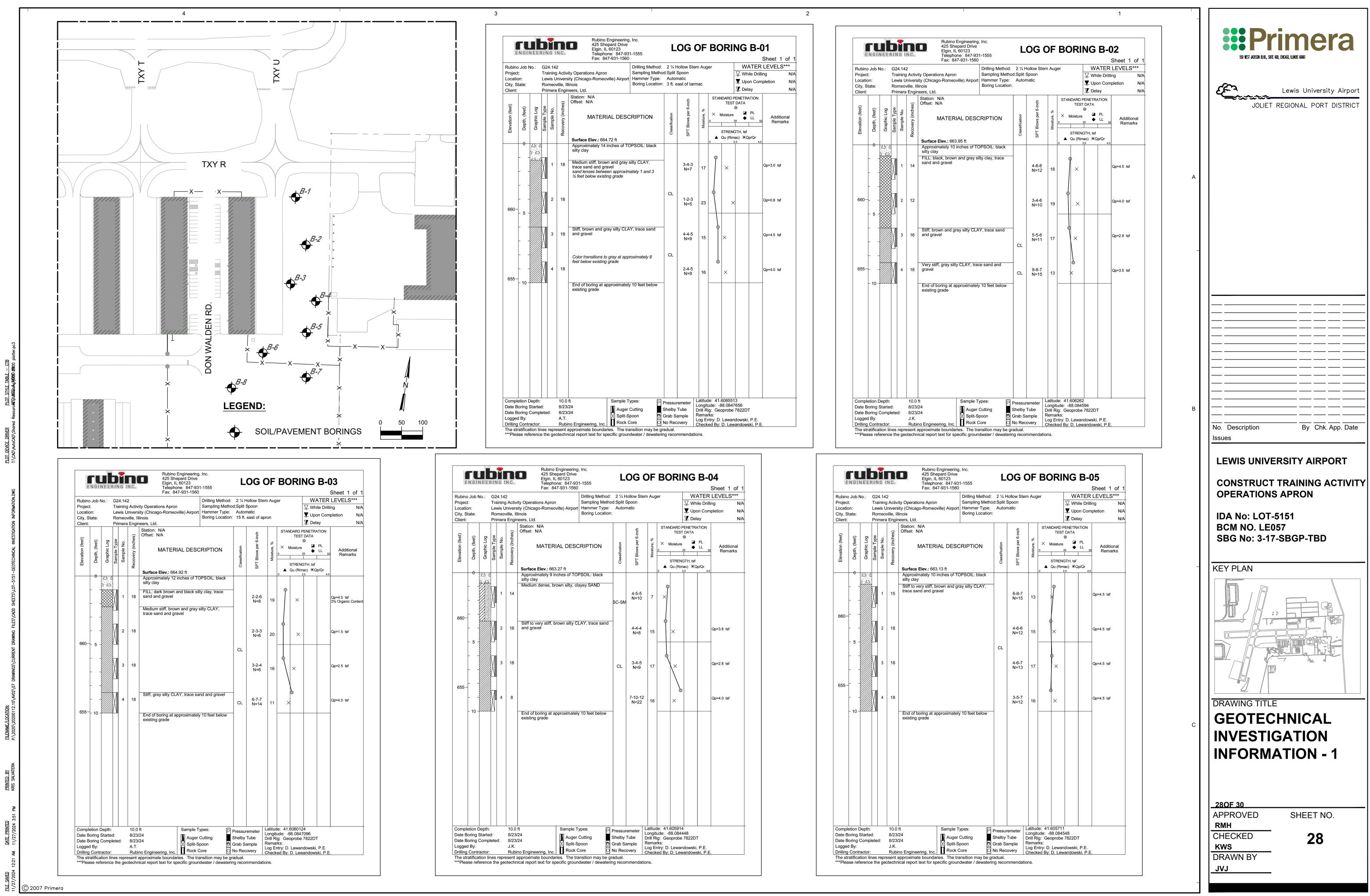
4

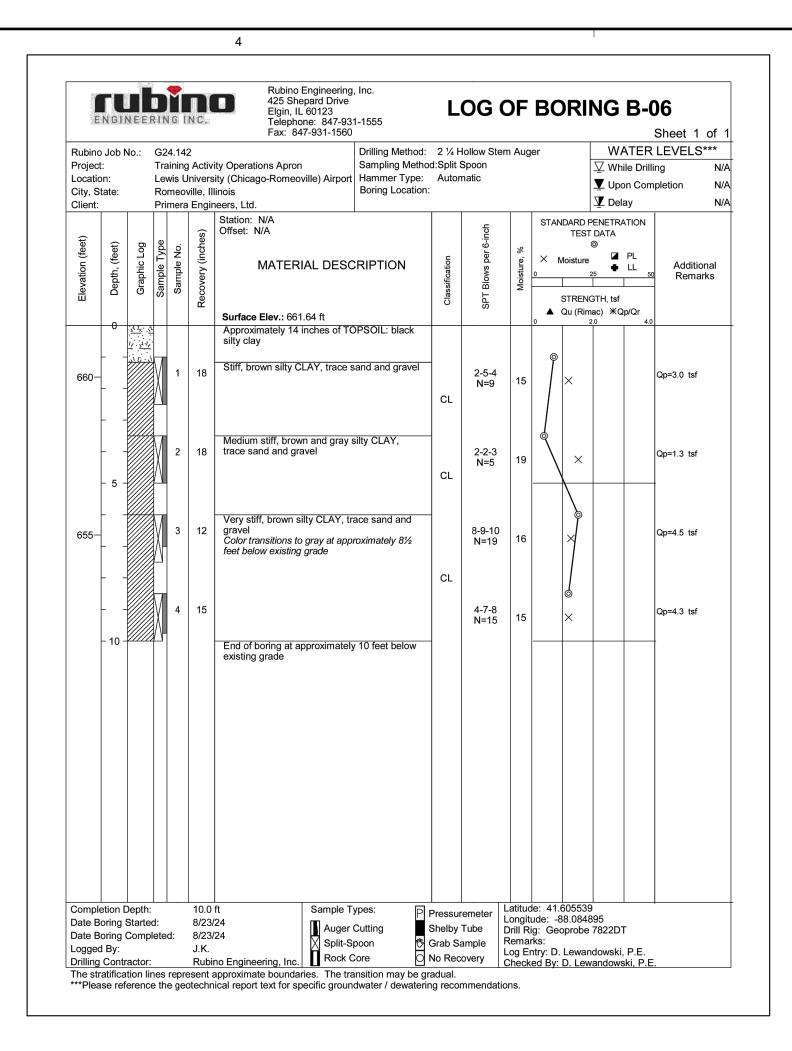
) 2007 Primera

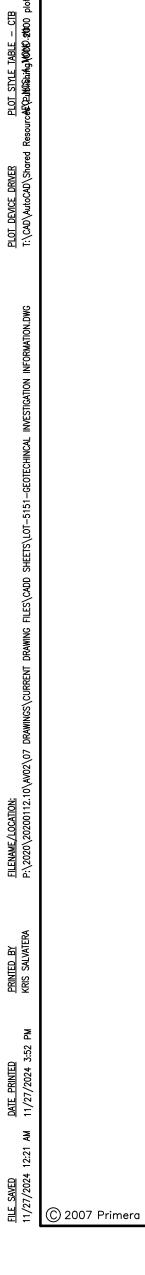
**RESTORATION SHALL BE CONSIDERED INC** 

- HARDWOOD POST WIT SQUARE INCHES. A C/ MEET SPECIFICATIONS
- GAGE NO. 9. INTERME **BE MINIMUM GAGE NO**
- WITH NO. 9 GAGE WIR
- AND POSTS WITH TIE TOP, MIDDLE AND BO
- OVERLAPPED BY 6" AN
- **PROVISIONS WITH AP** 40 FOR NONWOVEN A
- TO MINIMIZE EROSIOI CONSIDER THE TIME ( **TEMPORARY OR PERM**
- IN THE AREA TO BE PF PERFORMED AND REC AFTER EACH RAIN EVI
- REMOVED AND REPLA
- ARE THE MINIMUM RE BE REQUIRED, AS DIRI

| 1  |   |
|--|---|
| P. OF 8 PER FRAME)   | <b>SO WEST JACKSON R.VO., SUITE 600, CHCAGO, ILLINOIS 60661</b>             |
| I OR INLET   |   |
| EMBEDDED<br>4" MIN.  | Lewis University Airport<br>JOLIET REGIONAL PORT DISTRICT                   |
| ALL BE HELD IN PLACE WITH<br>STAKES (TYP.)   |   |
| MOVE AND   | A   |
| N AND<br>CIDENTAL  |   |
| GE   |   |
|  |   |
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|  | в — — — — — — — — — — — — — — — — — — —                                     |
|  | No. Description By Chk. App. Date   |
|  | LEWIS UNIVERSITY AIRPORT<br>CONSTRUCT TRAINING ACTIVITY<br>OPERATIONS APRON |
| E EITHER STEEL "T" LINE POST OR<br>TH A MINIMUM SECTIONAL AREA OF 2.0<br>ARPENTER'S (NOMINAL) 2"x2" POST WILL<br>S.                          | IDA No: LOT-5151<br>BCM NO. LE057<br>SBG No: 3-17-SBGP-TBD                  |
| RE OF WIRE FABRIC SHALL BE MINIMUM<br>EDIATE WIRES OF THE WIRE FABRIC SHALL<br>), 11.  | - KEY PLAN  |
| BE SECURELY FASTENED TO FENCE POSTS<br>RE MINIMUM. FOUR (4) FASTENERS PER POST   |   |
| BE SECURELY FASTENED TO WIRE FABRIC<br>S OR STAPLES SPACED AT 12" APART AT THE<br>TTOM.  |   |
| S OF FILTER FABRIC MEET, THEY SHALL BE<br>ND FOLDED AND ATTACHED TO THE WIRE   |   |
| . BE IN ACCORDANCE WITH SPECIAL<br>PARENT OPENING SIZE (AOS) OF AT LEAST<br>.ND WOVEN.   |   |
| HALL BE CONDUCTED IN SUCH A MANNER AS<br>N. SOIL STABILIZATION MEASURES SHALL<br>OF YEAR, SITE CONDITIONS AND THE USE OF<br>MANENT MEASURES. | C SOIL EROSION AND  |
| E INSTALLED PRIOR TO ANY GRADING WORK<br>ROTECTED. PERIODIC INSPECTION SHALL BE<br>QUIRED MAINTENANCE SHALL BE PROVIDED<br>ENT.              | SEDIMENT CONTROL<br>NOTES AND DETAILS                                       |
| BE PERFORMED AS NEEDED AND MATERIAL<br>ACED WHEN BULGES DEVELOP IN THE SILT  |   |
| BE REMOVED WHEN DIRECTED AT PROJECT  |   |
| DL MEASURES INDICATED ON THE PLANS<br>EQUIREMENTS. ADDITIONAL MEASURES MAY<br>ECTED BY THE ENGINEER OR GOVERNING                             | APPROVED SHEET NO.  RMH CHECKED KWS DRAWN BY                                |
|  | JVJ   |

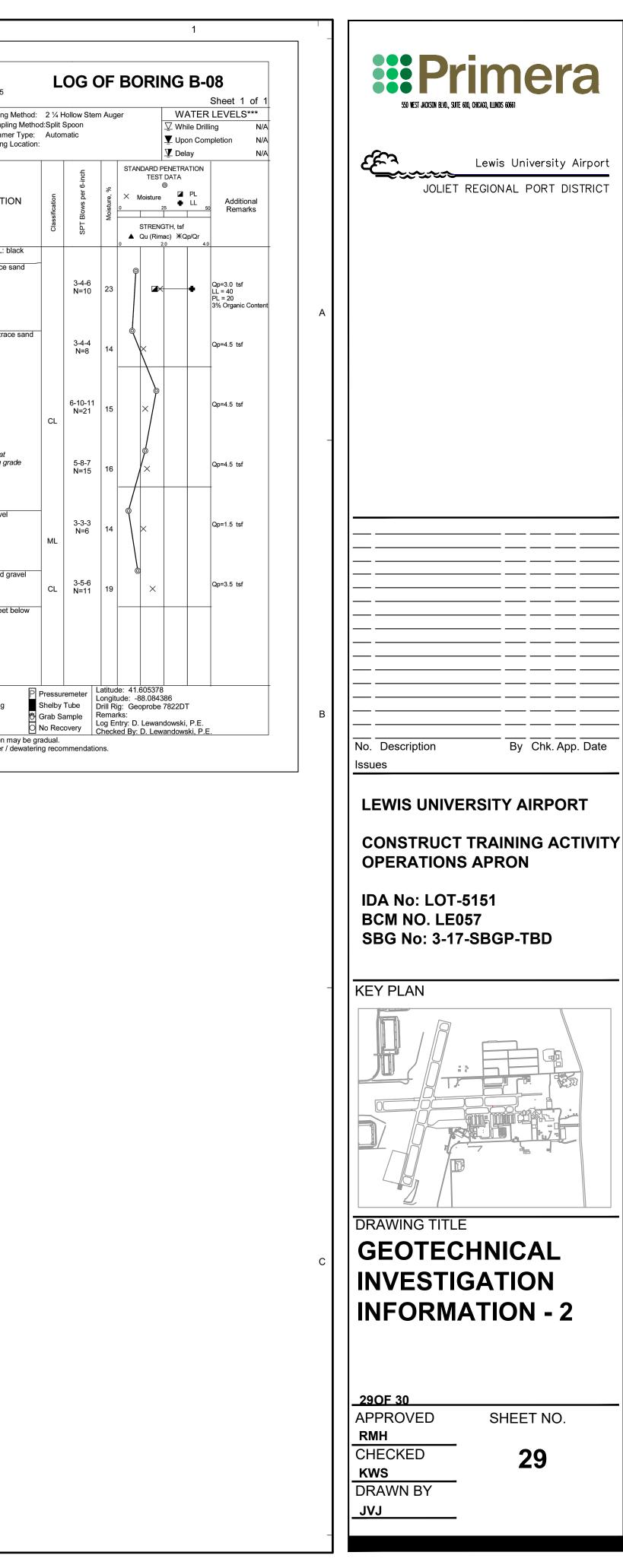


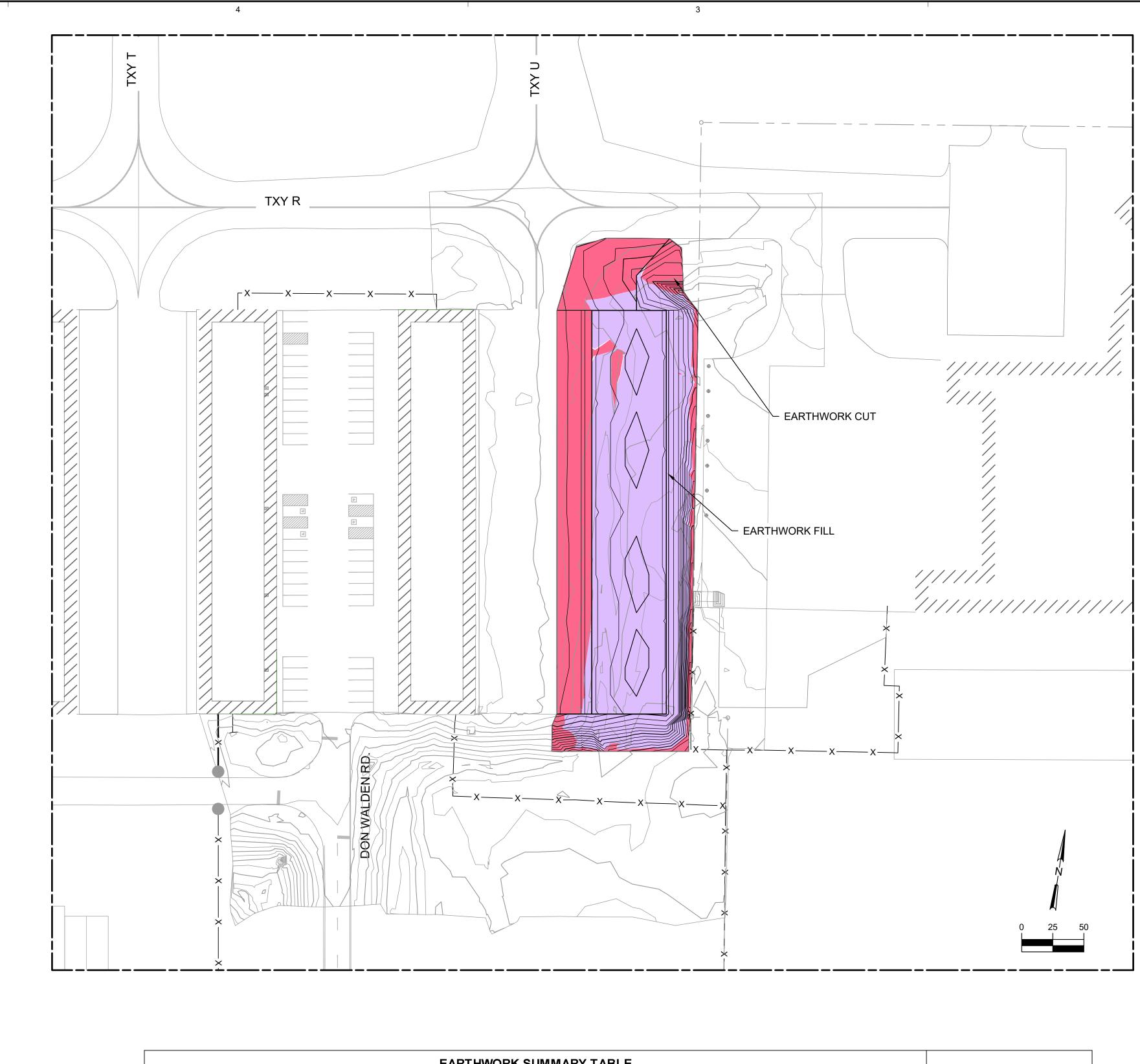




|  | - Silver-      | NEEI                      |             |                         | NC.  | Rubino Eng<br>425 Shepar<br>Elgin, IL 60<br>Telephone:<br>Fax: 847-9                                    | rd Drive<br>123<br>847-93             | 1-1555          | L                   | OG                                     | OF                                     | BOF  |                             |               | Sheet 1 of               |
|--|----------------|---------------------------|-------------|-------------------------|--|---|---------------------------------------|-----------------|---------------------|--|--|--|-----------------------------|---------------|--------------------------|
| Rubino Job No.:       G24.142         Project:       Training Activity Operation         Location:       Lewis University (Chicago         City, State:       Romeoville, Illinois         Client:       Primera Engineers, Ltd. |                |                           |             | ity (Chicago-Romeoville | Chicago-Romeoville) Airport Hammer Type: Automatic<br>s Boring Location: |   |                                       |                 |                     | er                                     | ⊻ w<br>ע ע                             | WATER LEVELS***         While Drilling       N//         Upon Completion       N//         Delay       N// |                             |               |                          |
| Elevation (feet)   | Depth, (feet)  | Graphic Log               | Sample Type | Sample No.              | Recovery (inches)  | Station: N/A<br>Offset: N/A<br>MATERIAL   | IAL DESCRIPTION                       |                 |                     | Classification<br>SPT Blows per 6-inch |  | STANDARD PENETRATIO<br>TEST DATA<br>©<br>X Moisture PL<br>0 25<br>LL<br>STRENGTH, tsf                      |                             |               | Additional<br>50 Remarks |
| 660-   |                |                           |             | 1                       | 10   | Surface Elev.: 660.27<br>Approximately 6 inche<br>silty clay<br>FILL: dark brown and<br>sand and gravel | es of TO                              |                 | /                   | 5-5-5<br>N=10                          | 23                                     |  | Rimac) *                    | KQp/Qr<br>4.0 | Qp=2.8 tsf               |
| 655-   |                |                           | X           | 2                       | 10   | Soft to medium stiff, b<br>silty CLAY with gravel   | prown an<br>I                         | d gray sandy    |                     | 2-3-2<br>N=5                           | 19                                     |  | ×                           |               | Qp=1.3 tsf               |
|  |                |                           | X           | 3                       | 16   | sand seam at approxir<br>existing grade   | mately 7                              | feet below      | CL                  | 2-1-2<br>N=3                           | 21                                     |  | ×                           |               | Qp=1.5 tsf               |
| 650-   |                |                           | X           | 4                       | 16   | Stiff, brown silty CLAY   | ۲, trace s                            | sand and gravel |                     | 3-6-6<br>N=12                          | 15                                     | ×  |                             |               | Qp=4.5 tsf               |
|  |                |                           | X           | 5                       | 18   | Color transitions from a at approximately 11 fe   |                                       |                 | CL                  | 4-6-7<br>N=13                          | 16                                     | ×  |                             |               | Qp=4.5 tsf               |
|  |                |                           | X           | 6                       | 18   | End of boring at appro<br>existing grade  | oximatel                              | y 15 feet below |                     | 6-6-8<br>N=14                          | 15                                     | ×  |                             |               | Qp=4.5 tsf               |
| ate B<br>ate B<br>oggeo  | oring<br>oring | Depth:<br>Starte<br>Compl | d:<br>lete  | d:                      | 15.0<br>8/23/<br>8/23/<br>J.K.<br>Bubi                                   | 24  | ample T<br>Auger<br>Split-S<br>Rock 0 | Cutting         | Shelby <sup>-</sup> | Tube<br>Imple                          | Longitu<br>Drill Ri<br>Remar<br>Log Er | ntry: D. Le  | 85291<br>be 7822<br>wandows |               |                          |

|  |                                  | NEEF             |             |            |                                 | 425 Shepard Drive<br>Elgin, IL 60123<br>Telephone: 847-931-1555<br>Fax: 847-931-1560                      |
|--|----------------------------------|------------------|-------------|------------|---------------------------------|---|
| Location: Lewis<br>City, State: Rome               |                                  |                  |             |            | a Activ<br>Inivers<br>ville, II | ity Operations Apron Sampl<br>ity (Chicago-Romeoville) Airport<br>linois Boring<br>neers, Ltd.            |
| Elevation (feet)                                   | Depth, (feet)                    | Graphic Log      | Sample Type | Sample No. | Recovery (inches)               | Station: N/A<br>Offset: N/A<br>MATERIAL DESCRIPT<br>Surface Elev.: 662.33 ft                              |
| 660—   | — <b>0</b><br>–     –            |                  |             | 1          | 12                              | Approximately 8 inches of TOPSOIL:<br>silty clay<br>FILL: black and brown silty clay, trace<br>and gravel |
|  |                                  |                  | X           | 2          | 14                              | Stiff to very stiff, brown silty CLAY, tra<br>and gravel  |
| 655—   |                                  |                  | X           | 3          | 18                              |   |
|  | <br>- 10 -                       |                  | X           | 4          | 18                              | Color transitions from brown to gray at approximately 8½ feet below existing g                            |
| 650—   |                                  |                  |             | 5          | 18                              | Medium stiff, brown SILT, trace grave   |
|  |                                  |                  | X           | 6          | 18                              | Stiff, gray silty CLAY, trace sand and<br>End of boring at approximately 15 fee                           |
|  |                                  |                  |             |            |                                 | existing grade  |
| Comple<br>Date Bo<br>Date Bo<br>Logged<br>Drilling | oring<br>oring<br>I By:<br>Contr | Started<br>Compl | ete         |            |                                 | 24 Auger Cutting  |





| LOCATION          | 10" TOPSOIL<br>STRIPPING<br>(CUBIC YARDS) | 12" TOPSOIL PLACEMENT<br>(CUBIC YARDS) | CUT<br>(CUBIC YARDS) | FILL*<br>(CUBIC YARDS) | (AR152410)*<br>UNCLASSIFIED EXCAVATION<br>(CUBIC YARDS) | (AR152440)<br>BORROWED EXCAVATION<br>(CUBIC YARDS) |
|-------------------|---|--|----------------------|------------------------|---|--|
| FILL GRADING SITE | 4131.1                                    | 1385.1                                 | 365.3                | 1100.0                 | 4496.4  | 734.7  |
|                   |   | *PAID AS TOPSOILING<br>(AR905530)      |                      | *15% SHRINKAGE         | *MOVEMENT OF TOPSOIL STRIP +<br>CUT                     |  |

UI1/21/2027

### EARTHWORK NOTES

- 1. TOPSOIL STRIPPING, CUT, AND FILL SHALL NOT BE ME SEPARATELY BUT SHALL BE INCLUDED IN THE CONTR UNCLASSIFIED EXCAVATION.
- 2. AREAS OF UNSUITABLE MATERIAL (EXISTING RIPRAP, SHALL BE DESIGNATED WITH THE RESIDENT ENGINEE UNSUITABLE MATERIAL SHALL NOT BE USED AS EMBA AND SHALL BE HAULED OFF-SITE.
- 3. EMBANKMENT SOIL SHALL BE TAKEN FROM ON-SITE. TABLES INCLUDES 15% FILL SHRINKAGE FACTOR.
- 4. TOPSOIL PLACEMENT SHALL BE PAID UNDER PAY ITEM
- 5. EXCESS TOPSOIL AND EMBANKMENT SHALL BE STORE PROPERTY AS DIRECTED BY THE OWNER.

| EASURED AND PAID FOR<br>RACT UNIT PRICE FOR<br>, DEAD VEGETATION, ETC.)<br>ER IN THE FIELD.<br>ANKMENT FILL MATERIAL | SO NEST JACKSON RIVO, SUTE GOD, CHICAGO, LILINOS GOGI<br>Exercision RIVO, SUTE GOD, CHICAGO, LILINOS GOGI<br>Lewis University Airport<br>JOLIET REGIONAL PORT DISTRICT  |
|--|---|
| EARTHWORK SUMMARY  |   |
|  |   |
|  |   |
| В  | Image: Second |
|  | LEWIS UNIVERSITY AIRPORT<br>CONSTRUCT TRAINING ACTIVITY<br>OPERATIONS APRON<br>IDA No: LOT-5151<br>BCM NO. LE057  |
|  | SBG No: 3-17-SBGP-TBD   |
|  |   |
| C  | DRAWING TITLE<br>EARTHWORKS   |
|  | <u>30OF 30</u><br>APPROVED SHEET NO.<br>RMH   |
|  | CHECKED 30<br><u>kws</u><br>DRAWN BY<br>JVJ   |