

# MEADOW LAKE AIRPORT

## CONSTRUCTION PLANS FOR

# TRANSIENT APRON RECONSTRUCTION

AIP 3-08-0063-030-2026

RDC: B-II-5000

TDG: 2A (TAXIWAYS & TAXILANES) 1B (APRON TAXILANES)

MEADOW LAKE AIRPORT ASSOCIATION

JUNE 2026

PROJECT LOCATION

### GOVERNING SPECIFICATIONS

FEDERAL AVIATION ADMINISTRATION AC 150/5370-10H, DATED DECEMBER 21, 2018 "STANDARD SPECIFICATION FOR CONSTRUCTION OF AIRPORTS" AND ALL SUPPLEMENTS.

ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND ORDINANCES WILL BE COMPLIED WITH IN THE CONSTRUCTION OF THIS PROJECT.

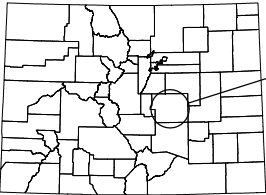
THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D UNLESS OTHERWISE NOTED. THIS UTILITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-22, ENTITLED "STANDARD GUIDELINE FOR INVESTIGATING AND DOCUMENTING EXISTING UTILITIES".

THE UTILITIES SHOWN ON THE PLANS HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CALL THE UTILITY NOTIFICATION CENTER OF COLORADO AT 1-800-922-1987 AT LEAST THREE (3) WORKING DAYS, NOT INCLUDING THE DAY OF NOTICE, PRIOR TO ANY EXCAVATION. THE CONTRACTOR SHALL COOPERATE AND COORDINATE ALL WORK WITH ANY AFFECTED UTILITY COMPANY OR AGENCY. POTHOLES OF UTILITIES SHALL BE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE INCLUDED IN THE WORK. CONTRACTOR SHALL COORDINATE ALL UTILITY RELOCATION WORK REQUIRED BY THE PROJECT WITH THE RESPECTIVE UTILITY COMPANIES AND THEIR CONTRACTORS.

MAP OF THE  
MEADOW LAKE AIRPORT  
EL PASO COUNTY, CO



0 500 1000  
SCALE FEET



CITY: PEYTON  
COUNTY: EL PASO



| SHEET NUMBER  | SHEET TITLE                                        |
|---------------|----------------------------------------------------|
| G0.01         | TITLE SHEET                                        |
| G1.01 - G1.02 | QUANTITIES & ESTIMATE REFERENCE NOTES - SCHEDULE I |
| G2.01         | CONTROL POINTS & STATIONING INFORMATION            |
| G3.00 - G3.04 | CONSTRUCTION SAFETY & PHASING PLAN                 |
| C0.01 - C0.02 | EXISTING CONDITIONS & DEMOLITION PLAN              |
| C0.10 - C0.11 | SITE LAYOUT & GEOMETRY PLAN                        |
| C1.01         | TYPICAL SECTIONS & DETAILS                         |
| C2.00         | EROSION CONTROL TITLE SHEET                        |
| C2.01         | EROSION CONTROL PLAN - PRE-CONSTRUCTION            |
| C2.02         | EROSION CONTROL PLAN - DURING CONSTRUCTION         |
| C2.03         | EROSION CONTROL PLAN - POST-CONSTRUCTION           |
| C2.04 - C2.07 | EROSION CONTROL DETAILS                            |
| C3.10         | DETAILED GRADING PLAN - SCHEDULE I ONLY            |
| C3.11         | DETAILED GRADING PLAN - SCHEDULE I & II            |
| C5.01 - C5.02 | STORM SEWER PLAN & PROFILE                         |
| C5.03 - C5.04 | DRAINAGE DETAILS                                   |
| C6.01         | PAVEMENT JOINTING PLAN                             |
| C6.10         | PAVEMENT JOINTING DETAILS                          |
| C7.01         | PAVEMENT MARKING & RETROREFLECTIVE PLAN            |
| C7.02         | PAVEMENT MARKING & RETROREFLECTIVE DETAILS         |

Add signature blocks shown on page 4-5 off the attached Word doc (minus the Traffic Studies ones on page 5):



I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF COLORADO.



\*DISCLAIMER: THIS PLAN SET IS INTENDED TO BE PRINTED IN COLOR. IF USER DOES NOT PRINT IN COLOR THEY ASSUME ALL ASSOCIATED RISKS.



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| DESIGNED         | REV | DESCRIPTION | DATE |
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| MGT              |     |             |      |
| DRAWN            |     |             |      |
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MEADOW LAKE AIRPORT  
TRANSIENT APRON RECONSTRUCTION  
TITLE SHEET

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| ESTIMATED PROJECT QUANTITIES (SCHEDULE I) |                |                                                       |      |          |               |
|-------------------------------------------|----------------|-------------------------------------------------------|------|----------|---------------|
| ITEM NO.                                  | ITEM CODE      | ITEM                                                  | UNIT | QUANTITY | AS-BUILT QTY. |
| A1                                        | C-100          | CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)             | LS   | 1        |               |
| A2                                        | C-102          | INSTALLATION OF SILT FENCE                            | LF   | 1000     |               |
| A3                                        | C-102          | REMOVAL OF SILT FENCE                                 | LF   | 1000     |               |
| A4                                        | C-102          | SILT FENCE CLEANOUT                                   | LF   | 1000     |               |
| A5                                        | C-102          | ROLLED EROSION CONTROL PRODUCTS (RECP)                | SQ   | 250      |               |
| A6                                        | C-102          | TEMPORARY SEDIMENTATION BASIN                         | EA   | 1        |               |
| A7                                        | C-102          | CONCRETE WASHOUT AREA/DEVICE                          | EA   | 1        |               |
| A8                                        | C-102          | VEHICLE TRACKING CONTROL                              | EA   | 1        |               |
| A9                                        | C-102          | REINFORCED ROCK BERM (RRB) - CULVERT INLET PROTECTION | EA   | 2        |               |
| A10                                       | C-102          | INLET PROTECTION DEVICE                               | EA   | 2        |               |
| A11                                       | C-105          | MOBILIZATION                                          | LS   | 1        |               |
| A12                                       | P-101          | PAVEMENT REMOVAL, HMA MILLING                         | SY   | 4300     |               |
| A13                                       | P-152          | UNCLASSIFIED EXCAVATION                               | CY   | 3560     |               |
| A14                                       | P-156          | CEMENT TREATED SUBGRADE, 12"                          | SY   | 5800     |               |
| A15                                       | P-156          | CEMENT, 4%                                            | TON  | 145      |               |
| A16                                       | P-208          | AGGREGATE BASE COURSE, 6"                             | SY   | 5900     |               |
| A17                                       | P-403          | ASPHALT SURFACE, 4"                                   | TON  | 1400     |               |
| A18                                       | CDOT 412-00600 | PAVEMENT, PCC, 6"                                     | SY   | 275      |               |
| A19                                       | CDOT 412-00600 | VALLEY GUTTER, PCC, 6"                                | SY   | 125      |               |
| A20                                       | CDOT 412-0040  | TRICKLE CHANNEL, PCC, 4" INCLUDING CURB               | SY   | 50       |               |
| A21                                       | P-403/P-610    | TIE DOWN ANCHORS                                      | EA   | 39       |               |
| A22                                       | P-620          | PAVEMENT MARKINGS, SOLID WHITE AND YELLOW, WITH BEADS | SF   | 650      |               |
| A23                                       | P-620          | TEMPORARY PAVEMENT MARKINGS, WHITE AND YELLOW         | SF   | 650      |               |
| A24                                       | D-701          | 12" RCP STORM SEWER                                   | LF   | 108      |               |
| A25                                       | D-701          | 12" RCP FLARED END SECTION                            | EA   | 1        |               |
| A26                                       | D-751          | STORM WATER QUALITY & DETENTION POND OUTLET STRUCTURE | EA   | 1        |               |
| A27                                       | T-901          | SEEDING AND FERTILIZING                               | ACRE | 0.5      |               |
| A28                                       | T-908          | MULCHING, STRAW, CRIMPED                              | ACRE | 0.5      |               |
| A29                                       | L-125          | L-853 RETROREFLECTIVE TAXIWAY MARKER                  | EA   | 6        |               |
| A30                                       | CDOT 420-00112 | GEOTEXTILE, DRAINAGE, CLASS 1                         | SY   | 50       |               |
| A31                                       | CDOT 506-00209 | 9" SOIL RIP RAP                                       | CY   | 25       |               |

| ESTIMATE REFERENCE INFORMATION (SCHEDULE I) |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ITEM NO.                                    | ITEM CODE | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| A1                                          | C-100     | <u>CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)</u><br>WORK UNDER THIS BID ITEM SHALL BE IN ACCORDANCE WITH REFERENCE SPECIFICATION SECTION C-100 AND SHALL INCLUDE ALL WORK AS DESCRIBED TO PREPARE AND MANAGE THE CQCP. BASIS OF PAYMENT WILL BE LUMP SUM.                                                                                                                                                                                                                                          |
| A2                                          | C-102     | <u>INSTALLATION OF SILT FENCE</u><br>WORK UNDER THIS BID ITEM SHALL BE IN ACCORDANCE WITH REFERENCE SPECIFICATION C-102 AND THE STORM WATER MANAGEMENT PLAN REQUIREMENTS. WOOD POSTS SHALL BE USED IN LIEU OF STEEL POSTS. THIS ITEM WILL NOT BE CONSIDERED COMPLETE UNTIL VEGETATION IS ESTABLISHED ALLOWING REMOVAL, AND THE SILT FENCE IS REMOVED AND DISPOSED OF BY THE CONTRACTOR, PAID FOR UNDER ITS RESPECTIVE BID ITEM. BASIS OF PAYMENT SHALL BE PER LINEAR FOOT OF SILT FENCE INSTALLED. |
| A3                                          | C-102     | <u>REMOVAL OF SILT FENCE</u><br>WORK UNDER THIS BID ITEM SHALL BE IN ACCORDANCE WITH REFERENCE SPECIFICATION C-102 AND THE STORM WATER MANAGEMENT PLAN REQUIREMENTS. SILT FENCE SHALL BE REMOVED AND DISPOSED OF ACCORDING TO LOCAL, STATE AND FEDERAL GUIDELINES. BASIS OF PAYMENT SHALL BE PER LINEAR FOOT OF SILT FENCE REMOVED.                                                                                                                                                                |
| A4                                          | C-102     | <u>SILT FENCE CLEANOUT</u><br>WORK UNDER THIS BID ITEM SHALL BE IN ACCORDANCE WITH REFERENCE SPECIFICATION C-102 AND THE STORM WATER MANAGEMENT PLAN REQUIREMENTS. BASIS OF PAYMENT SHALL BE PER LINEAR FOOT OF SILT FENCE CLEANOUT.                                                                                                                                                                                                                                                               |
| A5                                          | C-102     | <u>ROLLED EROSION CONTROL PRODUCTS (RECP)</u><br>WORK UNDER THIS BID ITEM SHALL BE IN ACCORDANCE WITH REFERENCE SPECIFICATION C-102 AND THE STORM WATER MANAGEMENT PLAN REQUIREMENTS. THIS ITEM WILL NOT BE CONSIDERED COMPLETE UNTIL VEGETATION IS ESTABLISHED. BASIS OF PAYMENT SHALL BE PER SQUARE (100 SQUARE FEET) OF ROLLED EROSION CONTROL PRODUCTS INSTALLED.                                                                                                                              |

|     |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| A6  | C-102 | <u>TEMPORARY SEDIMENTATION BASIN</u><br>WORK UNDER THIS BID ITEM SHALL BE IN ACCORDANCE WITH REFERENCE SPECIFICATION C-102 AND THE STORM WATER MANAGEMENT PLAN REQUIREMENTS. BASIS OF PAYMENT SHALL BE PER EACH TEMPORARY SEDIMENTATION BASIN INSTALLED.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| A7  | C-102 | <u>CONCRETE WASHOUT AREA/DEVICE</u><br>WORK UNDER THIS BID ITEM SHALL BE IN ACCORDANCE WITH REFERENCE SPECIFICATION C-102 AND THE STORM WATER MANAGEMENT PLAN REQUIREMENTS. BASIS OF PAYMENT SHALL BE PER EACH CONCRETE WASHOUT AREA/DEVICE INSTALLED.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| A8  | C-102 | <u>VEHICLE TRACKING CONTROL</u><br>WORK UNDER THIS BID ITEM SHALL BE IN ACCORDANCE WITH REFERENCE SPECIFICATION C-102 AND THE STORM WATER MANAGEMENT PLAN PREVENTION PLAN REQUIREMENTS. BASIS OF PAYMENT SHALL BE PER EACH TYPE OF VEHICLE TRACKING CONTROL APPLICATION INSTALLED.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| A9  | C-102 | <u>REINFORCED ROCK BERM (RRB) - CULVERT INLET PROTECTION</u><br>WORK UNDER THIS BID ITEM SHALL BE IN ACCORDANCE WITH REFERENCE SPECIFICATION C-102 AND THE STORM WATER MANAGEMENT PLAN REQUIREMENTS. BASIS OF PAYMENT SHALL BE PER EACH REINFORCED ROCK BERM INSTALLED.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| A10 | C-102 | <u>INLET PROTECTION DEVICE</u><br>WORK UNDER THIS BID ITEM SHALL BE IN ACCORDANCE WITH REFERENCE SPECIFICATION C-102 AND THE STORM WATER MANAGEMENT PLAN REQUIREMENTS. THIS ITEM WILL NOT BE CONSIDERED COMPLETE UNTIL VEGETATION IS ESTABLISHED ALLOWING REMOVAL, AND THE FILTER IS REMOVED AND DISPOSED OF BY THE CONTRACTOR. BASIS OF PAYMENT SHALL BE PER EACH INLET PROTECTION DEVICE INSTALLED.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| A11 | C-105 | <u>MOBILIZATION</u><br>WORK UNDER THIS BID ITEM SHALL BE IN ACCORDANCE WITH REFERENCE SPECIFICATION C-105 AND THE PLANS. A SAFETY COMPLIANCE DOCUMENT (SPCD) SHALL BE WRITTEN IN ACCORDANCE WITH AC 150/5370-2G SECTION 4.2.2. BASIS OF PAYMENT SHALL BE LUMP SUM AND SHALL INCLUDE ALL PREPARATORY WORK COSTS INCURRED INCLUDING BUT NOT LIMITED TO COSTS OF BONDS, INSURANCE, AND OTHER MISCELLANEOUS ITEMS THAT DO NOT HAVE THEIR OWN SEPARATE BID ITEMS BUT ARE REQUIRED TO COMPLETE THE PROJECT, SHALL BE INCLUDED IN THIS BID ITEM. CONSTRUCTION STAKING, CONSTRUCTION ENTRANCES, TRAFFIC CONTROL DEVICES PER THE CONSTRUCTION SAFETY AND PHASING PLANS, AN APPLICATION FOR A COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT COR400000 CONSTRUCTION STORMWATER DISCHARGE PERMIT, AND IMPLEMENTATION, MANAGEMENT, INSPECTIONS, AND BMP RECTIFICATION REQUIRED OF THE STORM WATER MANAGEMENT PLAN (SWMP) SHALL BE CONSIDERED INCIDENTAL TO THIS BID ITEM. METHOD OF PAYMENT SHALL BE A LUMP SUM.                                                                                                                                                                 |
| A12 | P-101 | <u>PAVEMENT REMOVAL, HMA MILLING</u><br>WORK UNDER THIS BID ITEM SHALL BE IN ACCORDANCE WITH REFERENCE SPECIFICATION SECTION P-101 AND THE PLANS. HMA PAVEMENT SHALL BE MILLED AND HAULED TO AN AREA AS DIRECTED BY THE OWNER FOR SALVAGE. FULL DEPTH SAWCUTS SHALL BE CONSIDERED INCIDENTAL TO THIS BID ITEM. BASIS OF PAYMENT WILL BE PER SQUARE YARD OF MILLED PAVEMENT.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| A13 | P-152 | <u>UNCLASSIFIED EXCAVATION</u><br>WORK UNDER THIS BID ITEM SHALL BE IN ACCORDANCE WITH REFERENCE SPECIFICATION SECTION P-152 AND THE PLANS. BASIS OF PAYMENT BE PER PLAN QUANTITIES AS FOLLOWS:<br><br>EXCAVATION<br>CUT = 3,075 CY<br>FILL + 30% = 0 CY<br>WASTE, OFF SITE = 3,075 CY<br><br>TOPSOIL HANDLING (ASSUMED TO BE THE TOP 6" OF EXISTING EXCAVATION MATERIAL)<br>STRIP = 485 CY<br>RESPREAD + 30% = 345 CY<br>WASTE, OFF SITE = 140 CY<br><br>ALL AREAS TO BE COMPACTED IN ACCORDANCE WITH THE MOISTURE AND DENSITY REQUIREMENTS AS STATED IN REFERENCE SPECIFICATION P-152 AND THE PLANS. SHOULD SETTLEMENT OCCUR AFTER INITIAL CONSTRUCTION OF EMBANKMENTS THE CONTRACTOR SHALL BE REQUIRED TO CORRECT THE SETTLED AREAS AND PROVIDE MATERIAL TO REACH THE FINISHED GRADES DESIRED. ADDITIONAL COSTS MAY INCLUDE, BUT ARE NOT LIMITED TO, MOBILIZATION, TESTING, MATERIAL REQUIRED, HAULING, PLACEMENT AND COMPACTION OF MATERIAL. HANDLING OF TOPSOIL SHALL BE CONSIDERED INCIDENTAL TO THIS BID ITEM. THE TOP 4" OF ALL EXISTING GRASS AREAS ARE TO BE STRIPPED OF ANY ORGANIC MATERIAL AND THE TOP 4" OF ALL AREAS TO BE SEEDED SHALL CONSIST OF TOPSOIL. |
| A14 | P-156 | <u>CEMENT TREATED SUBGRADE, 12"</u><br>WORK UNDER THIS BID ITEM SHALL BE IN ACCORDANCE WITH REFERENCE SPECIFICATION SECTION P-156 AND THE PLANS. THE SUBGRADE SHALL BE TREATED WITH CEMENT AND SHALL BE COMPACTED TO IN ACCORDANCE WITH THE REQUIREMENTS LISTED IN REFERENCE SPECIFICATION P-156. PAYMENT WILL NOT BE MADE FOR SUBGRADE TREATMENT EXTENDED BEYOND THE SPECIFIED SUBGRADE TREATMENT DIMENSION. BASIS OF PAYMENT WILL BE PER SQUARE YARD OF SUBGRADE TREATED.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |



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| CLIENT PROJ. NO. | 25X.141421.000 |     |             |      |

MEADOW LAKE AIRPORT  
TRANSIENT APRON RECONSTRUCTION  
QUANTITIES & ESTIMATE REFERENCE NOTES - SCHEDULE I

SHEET

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| A15 | P-156             | <p><b>CEMENT, 4%</b></p> <p>WORK UNDER THIS BID ITEM SHALL BE IN ACCORDANCE WITH REFERENCE SPECIFICATION SECTION P-156 AND THE PLANS. CEMENT SHALL BE INCORPORATED INTO THE SOIL AT A RATE OF 4% CEMENT PER DRY UNIT WEIGHT OF SOIL. BASIS OF PAYMENT WILL BE PER TON OF CEMENT MATERIAL DELIVERED TO THE PROJECT SITE AND INCORPORATED IN THE SUBGRADE WITHIN THE PROPOSED LIMITS, ACCORDING TO SCALE TICKETS.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| A16 | P-208             | <p><b>AGGREGATE BASE COURSE, 6"</b></p> <p>WORK UNDER THIS BID ITEM SHALL BE IN ACCORDANCE WITH REFERENCE SPECIFICATION SECTION P-208 AND THE PLANS. AGGREGATE BASE COURSE SHALL BE COMPACTED IN ACCORDANCE WITH MOISTURE AND DENSITY REQUIREMENTS PRIOR TO PLACEMENT OF PCC SURFACE. ADDITIONAL PAYMENT WILL NOT BE MADE FOR AGGREGATE BASE COURSE EXTENDED BEYOND THE SPECIFIED AGGREGATE BASE COURSE EXTENSION DIMENSION OR FOR EXTENSION BEYOND THE SPECIFIED DIMENSION FOR USE OF A SLIP FORM PAVING MACHINE OR FOR EASE OF CONSTRUCTION. ANY ADDITIONAL EXTENSION BEYOND THE SPECIFIED DIMENSION SHALL BE AT THE EXPENSE OF THE CONTRACTOR. BASIS OF PAYMENT SHALL BE PER SQUARE YARD OF AGGREGATE BASE COURSE INSTALLED.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| A17 | P-403             | <p><b>ASPHALT SURFACE, 4"</b></p> <p>WORK UNDER THIS BID ITEM SHALL BE IN ACCORDANCE WITH REFERENCE SPEFICATION P-403 AND THE PLANS. SAW CUTTING OF ANY COLD EDGES, REMOVAL AND DISPOSAL OF ANY COLD EDGE MATERIAL, AND TACK COAT SHALL BE CONSIDERED INCIDENTAL TO THIS BID ITEM. ANY MILLING OF EXISTING ADJACENT PAVEMENT SHALL BE CONSIDERED INCIDENTAL TO THIS BID ITEM. CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING PAVEMENT CORES, LABELING AND STORAGE OF PAVEMENT CORES UNTIL THEY ARE RETRIEVED BY THE OWNER'S LAB, WHO WILL MEASURE THEM FOR PAYMENT. CONTRACTOR IS RESPNOSIBLE FOR PROVIDING A HOT SAMPLE AND COLD SAMPLE REQUIRED OR VALIDATION OF QC AND QA TESTING AT THE FREQUENCY REQUIRED PER THE SPECIFICATIONS. WASTE MATERIAL NOT PLACED SHALL BE ESTIMATED BY THE RPR AND WILL COORDINATE THE TONNAGE OF ASPHALT SURFACE COURSE TO BE DEDUCTED FROMTHE OVERALL TONNAGE. 150 PCF WAS USED FOR ESTIMATING PURPOSES. BASIS OF MEASUREMENT AND PAYMENT SHALL BE PER TON OF ASPHALT PLACED AND ACCEPTED FOR PAYMENT.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| A18 | CDOT<br>412-00600 | <p><u>PAVEMENT, PCC, 6"</u></p> <p>WORK UNDER THIS BID ITEM SHALL BE IN ACCORDANCE WITH COLORADO DEPARTMENT OF TRANSPORTATION STANDARD CONSTRUCTION SPECIFICATIONS, SECTION 412 AND THE PLANS. EPOXY COATED DEFORMED BARS, EPOXY COATED DOWEL BARS, EPOXY COATED WIRE MESH, EPOXYING OF DOWEL BARS, REINFORCING CHAIRS OR BOLSTERS, SAW CUTTING, CHAMFERING AND JOINT SEALING SHALL BE CONSIDERED INCIDENTAL TO THIS BID ITEM.</p> <p>ALKALI-SILICA REACTIVITY TESTING SHALL BE CONSIDERED INCIDENTAL TO THIS BID ITEM AND SHALL BE COMPLETED PER THE FOLLOWING REQUIREMENTS:</p> <p>A. REACTIVITY. FINE AND COARSE AGGREGATES TO BE USED IN PCC ON THIS PROJECT SHALL BE TESTED AND EVALUATED BY THE CONTRACTOR FOR ALKALI-AGGREGATE REACTIVITY IN ACCORDANCE WITH BOTH ASTM C1260 AND ASTM C1567. TESTS MUST BE REPRESENTATIVE OF AGGREGATE SOURCES WHICH WILL BE PROVIDING MATERIAL FOR PRODUCTION. ASTM C1260 AND ASTM C1567 TESTS MAY BE RUN CONCURRENTLY.</p> <p>1. TEST COARSE AGGREGATE AND FINE AGGREGATE SEPARATELY, IN ACCORDANCE WITH ASTM C1260; HOWEVER, EXTEND THE LENGTH OF THE TEST TO 28 DAYS (30 DAYS FROM CASTING). COMPLETE THE TESTS WITHIN SIX MONTHS OF THE DATE OF THE CONCRETE SUBMITTAL. IF EXPANSION OF EITHER THE COARSE OR FINE AGGREGATE EXCEEDS 0.10% AT 28 DAYS, LIMIT THE ALKALI LOADING OF THE CONCRETE TO BE LESS THAN OR EQUAL TO 3.0 LB PER CUBIC YARD (1.8 KG PER CUBIC METER),CALCULATED IN ACCORDANCE WITH EB 106.</p> <p>2. THE COMBINED COARSE AND FINE AGGREGATE SHALL BE TESTED IN ACCORDANCE WITH ASTM C1567, MODIFIED FOR COMBINED AGGREGATES, USING THE PROPOSED MIXTURE DESIGN PROPORTIONS OF AGGREGATES, CEMENTITIOUS MATERIALS, AND/OR SPECIFIC REACTIVITY REDUCING CHEMICALS. IF THE EXPANSION DOES NOT EXCEED 0.10% AT 28 DAYS, THE PROPOSED COMBINED MATERIALS WILL BE ACCEPTED. IF THE EXPANSION IS GREATER THAN 0.10% AT 28 DAYS, THE AGGREGATES WILL NOT BE ACCEPTED UNLESS ADJUSTMENTS TO THE COMBINED MATERIALS MIXTURE CAN REDUCE THE EXPANSION TO LESS THAN 0.10% AT 28 DAYS, OR NEW AGGREGATES SHALL BE EVALUATED AND TESTED.</p> <p>3. IF LITHIUM NITRATE IS PROPOSED FOR USE WITH OR WITHOUT SUPPLEMENTARY CEMENTITIOUS MATERIALS, THE AGGREGATES SHALL BE TESTED IN ACCORDANCE WITH CORPS OF ENGINEERS (COE) CONCRETE RESEARCH DIVISION (CRD) C662 IN LIEU OF ASTM C1567. IF LITHIUM NITRATE ADMIXTURE IS USED, IT SHALL BE NOMINAL 30% ±0.5% WEIGHT LITHIUM NITRATE IN WATER. IF THE EXPANSION DOES NOT EXCEED 0.10% AT 28 DAYS, THE PROPOSED COMBINED MATERIALS WILL BE ACCEPTED. IF THE EXPANSION IS GREATER THAN 0.10% AT 28 DAYS, THE AGGREGATES WILL NOT BE ACCEPTED UNLESS ADJUSTMENTS TO THE COMBINED MATERIALS MIXTURE CAN REDUCE THE EXPANSION TO LESS THAN 0.10% AT 28 DAYS, OR NEW AGGREGATES SHALL BE EVALUATED AND TESTED.</p> <p>BASIS OF PAYMENT SHALL BE PER SQUARE YARD OF PAVING INSTALLED.</p> |

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| A19 | CDOT<br>412-00600 | <p><u>VALLEY GUTTER, PCC, 6"</u></p> <p>WORK UNDER THIS BID ITEM SHALL BE IN ACCORDANCE WITH COLORADO DEPARTMENT OF TRANSPORTATION STANDARD CONSTRUCTION SPECIFICATIONS, SECTION 412 AND THE PLANS. EPOXY COATED DEFORMED BARS, EPOXY COATED DOWEL BARS, EPOXY COATED WIRE MESH, EPOXYING OF DOWEL BARS, REINFORCING CHAIRS OR BOLSTERS, SAW CUTTING, CHAMFERING AND JOINT SEALING SHALL BE CONSIDERED INCIDENTAL TO THIS BID ITEM.</p> <p>ALKALI-SILICA REACTIVITY TESTING SHALL BE CONSIDERED INCIDENTAL TO THIS BID ITEM AND SHALL BE COMPLETED PER THE FOLLOWING REQUIREMENTS:</p> <p>A. REACTIVITY. FINE AND COARSE AGGREGATES TO BE USED IN PCC ON THIS PROJECT SHALL BE TESTED AND EVALUATED BY THE CONTRACTOR FOR ALKALI-AGGREGATE REACTIVITY IN ACCORDANCE WITH BOTH ASTM C1260 AND ASTM C1567. TESTS MUST BE REPRESENTATIVE OF AGGREGATE SOURCES WHICH WILL BE PROVIDING MATERIAL FOR PRODUCTION. ASTM C1260 AND ASTM C1567 TESTS MAY BE RUN CONCURRENTLY.</p> <p>1. TEST COARSE AGGREGATE AND FINE AGGREGATE SEPARATELY, IN ACCORDANCE WITH ASTM C1260; HOWEVER, EXTEND THE LENGTH OF THE TEST TO 28 DAYS (30 DAYS FROM CASTING). COMPLETE THE TESTS WITHIN SIX MONTHS OF THE DATE OF THE CONCRETE SUBMITTAL. IF EXPANSION OF EITHER THE COARSE OR FINE AGGREGATE EXCEEDS 0.10% AT 28 DAYS, LIMIT THE ALKALI LOADING OF THE CONCRETE TO BE LESS THAN OR EQUAL TO 3.0 LB PER CUBIC YARD (1.8 KG PER CUBIC METER),CALCULATED IN ACCORDANCE WITH EB 106.</p> <p>2. THE COMBINED COARSE AND FINE AGGREGATE SHALL BE TESTED IN ACCORDANCE WITH ASTM C1567, MODIFIED FOR COMBINED AGGREGATES, USING THE PROPOSED MIXTURE DESIGN PROPORTIONS OF AGGREGATES, CEMENTITIOUS MATERIALS, AND/OR SPECIFIC REACTIVITY REDUCING CHEMICALS. IF THE EXPANSION DOES NOT EXCEED 0.10% AT 28 DAYS, THE PROPOSED COMBINED MATERIALS WILL BE ACCEPTED. IF THE EXPANSION IS GREATER THAN 0.10% AT 28 DAYS, THE AGGREGATES WILL NOT BE ACCEPTED UNLESS ADJUSTMENTS TO THE COMBINED MATERIALS MIXTURE CAN REDUCE THE EXPANSION TO LESS THAN 0.10% AT 28 DAYS, OR NEW AGGREGATES SHALL BE EVALUATED AND TESTED.</p> <p>3. IF LITHIUM NITRATE IS PROPOSED FOR USE WITH OR WITHOUT SUPPLEMENTARY CEMENTITIOUS MATERIALS, THE AGGREGATES SHALL BE TESTED IN ACCORDANCE WITH CORPS OF ENGINEERS (COE) CONCRETE RESEARCH DIVISION (CRD) C662 IN LIEU OF ASTM C1567. IF LITHIUM NITRATE ADMIXTURE IS USED, IT SHALL BE NOMINAL 30% ±0.5% WEIGHT LITHIUM NITRATE IN WATER. IF THE EXPANSION DOES NOT EXCEED 0.10% AT 28 DAYS, THE PROPOSED COMBINED MATERIALS WILL BE ACCEPTED. IF THE EXPANSION IS GREATER THAN 0.10% AT 28 DAYS, THE AGGREGATES WILL NOT BE ACCEPTED UNLESS ADJUSTMENTS TO THE COMBINED MATERIALS MIXTURE CAN REDUCE THE EXPANSION TO LESS THAN 0.10% AT 28 DAYS, OR NEW AGGREGATES SHALL BE EVALUATED AND TESTED.</p> <p>BASIS OF PAYMENT SHALL BE PER SQUARE YARD OF PAVING INSTALLED.</p> |
| A20 | CDOT<br>412-0040  | <p><u>TRICKLE CHANNEL, PCC, 4" INCLUDING CURB</u></p> <p>WORK UNDER THIS BID ITEM SHALL BE IN ACCORDANCE WITH COLORADO DEPARTMENT OF TRANSPORTATION STANDARD CONSTRUCTION SPECIFICATIONS, SECTION 412 AND THE PLANS. EPOXY COATED DEFORMED BARS, EPOXY COATED DOWEL BARS, EPOXY COATED WIRE MESH, EPOXYING OF DOWEL BARS, REINFORCING CHAIRS OR BOLSTERS, SAW CUTTING, CHAMFERING AND JOINT SEALING SHALL BE CONSIDERED INCIDENTAL TO THIS BID ITEM. BASIS OF PAYMENT SHALL BE PER SQUARE YARD OF PAVING INSTALLED.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| A21 | P-403/P-610       | <p><u>TIE DOWN ANCHORS</u></p> <p>WORK UNDER THIS BID ITEM SHALL BE IN ACCORDANCE WITH REFERENCE SPECIFICATION P-610 OR REFERENCE SPECIFICATION P-403 AND/OR THE PLANS. TIE DOWN ANCHORS SHALL BE NEEHNAH 3490 SERIES OR APPROVED EQUAL. BASIS OF PAYMENT SHALL BE PER EACH INSTALLED.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| A22 | P-620             | <p><u>PAVEMENT MARKINGS, SOLID WHITE AND YELLOW, WITH BEADS</u></p> <p>WORK UNDER THIS BID ITEM SHALL BE IN ACCORDANCE WITH REFERENCE SPECIFICATION P-620 AND THE PLANS. BLACK OUTLINE AND REMOVAL OF PAVEMENT CURE SHALL BE CONSIDERED INCIDENTAL TO THIS BID ITEM. PREPARATION OF EXISTING PAVEMENT MARKINGS AND THE EXISTING PAVEMENT SURFACE FOR APPLICATION OR NEW PAINT SHALL BE CONSIDERED INCIDENTAL TO THIS BID ITEM. PAYMENT SHALL BE PER SQUARE FOOT OF GROSS AREA OF THE WHITE AND YELLOW PAVEMENT MARKINGS.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| A23 | P-620             | <p><u>TEMPORARY PAVEMENT MARKINGS, WHITE AND YELLOW</u></p> <p>WORK UNDER THIS BID ITEM SHALL BE IN ACCORDANCE WITH REFERENCE SPECIFICATION P-620 AND THE PLANS. BLACK OUTLINE AND REMOVAL OF PAVEMENT CURE SHALL BE CONSIDERED INCIDENTAL TO THIS BID ITEM. PREPARATION OF EXISTING PAVEMENT MARKINGS AND THE EXISTING PAVEMENT SURFACE FOR APPLICATION OR NEW PAINT SHALL BE CONSIDERED INCIDENTAL TO THIS BID ITEM. PAYMENT SHALL BE PER SQUARE FOOT OF GROSS AREA OF THE WHITE AND YELLOW PAVEMENT MARKINGS.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| A24 | D-701             | <p><u>12" RCP STORM SEWER</u></p> <p>WORK UNDER THIS BID ITEM SHALL BE IN ACCORDANCE WITH REFERENCE SPECIFICATION D-701 AND THE PLANS. BEDDING SHALL BE AS SHOWN IN THE PLANS. THE LAST THREE JOINTS SHALL BE TIED. BASIS OF MEASUREMENT SHALL BE FROM THE CENTER OF STORM SEWER STRUCTURE TO CENTER OF STORM SEWER STRUCTURE AND/OR END OF PIPE TO END OF PIPE, EXCLUSIVE OF APRONS. BASIS OF PAYMENT SHALL BE AT THE UNIT PRICE PER LINEAR FOOT OF PIPE INSTALLED.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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|-----|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A25 | D-701             | <p><u>12" RCP FLARED END SECTION</u></p> <p>WORK UNDER THIS BID ITEM SHALL BE IN ACCORDANCE WITH REFERENCE SPECIFICATION D-701 AND THE PLANS. BEDDING SHALL BE AS SHOWN IN THE PLANS. APRON FOOTINGS SHALL BE CONSIDERED INCIDENTAL. BASIS OF PAYMENT SHALL BE PER EACH FLARED END SECTION INSTALLED.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| A26 | D-751             | <p><u>STORM WATER QUALITY &amp; DETENTION POND OUTLET STRUCTURE</u></p> <p>WORK UNDER THIS BID ITEM SHALL BE IN ACCORDANCE WITH REFERENCE SPECIFICATION D-751 AND THE PLANS. HANDLING, MANIPULATION OF EXISTING PIPING, PROVIDING LENGTHS OF PIPE TO EXTEND PIPING INTO THE PROPOSED STORM SEWER STRUCTURE, COUPLINGS AND CONCRETE COLLARS SHALL BE CONSIDERED INCIDENTAL TO THIS BID ITEM. ALL ASPECTS OF THE OUTLET STRUCTURE AS DETAILED IN THE PROJECT PLANS AND ANY REQUIRED MATERIALS, EQUIPMENT, LABOR, ETC. TO PROVIDE A COMPLETE AND OPERATIONAL STRUCTURE SHALL BE CONSIDERED INCIDENTAL TO THIS BID ITEM. BASIS OF PAYMENT SHALL BE PER STORM SEWER STRUCTURE INSTALLED.</p>                                                                                          |
| A27 | T-901             | <p><u>SEEDING AND FERTILIZING</u></p> <p>WORK UNDER THIS BID ITEM SHALL BE IN ACCORDANCE WITH REFERENCE SPECIFICATION T-901 AND THE PLANS. THIS ITEM SHALL PROVIDE FOR SEEDBED PREPARATION, SEEDING AND FERTILIZING (IF REQUIRED) OF ALL AREAS DISTURBED BY CONSTRUCTION. THIS BID ITEM WILL BE PAID FOR WHEN DISTURBED AREAS TO BE SEEDED HAVE BEEN STABILIZED. ANY SEEDING CORRECTION, RESEEDING, WEEDY AREAS, ERODED AREAS, BARE SPOTS AND AFFECTED AREAS BE THE REMEDIED AT THE EXPENSE OF THE CONTRACTOR. ANY AREAS OUTSIDE OF THE GRADING EXTENTS SHOWN IN THE PLANS THAT ARE DISTURBED SHALL BE RESTORED TO ORIGINAL CONDITION AT THE EXPENSE OF THE CONTRACTOR. THIS INCLUDES, BUT IS NOT LIMITED TO, STAGING AREA, STORAGE AREAS, STOCK PILE AREAS AND HAUL ROUTES.</p> |
| A28 | T-908             | <p><u>MULCHING, STRAW, CRIMPED</u></p> <p>WORK UNDER THIS BID ITEM SHALL BE IN ACCORDANCE WITH REFERENCE SPECIFICATION T-901 AND THE PLANS. THIS ITEM SHALL PROVIDE FOR MULCHING OF ALL AREAS DISTURBED BY CONSTRUCTION THAT CANNOT BE SEEDED OVER THE WINTER. ADDITIONAL PAYMENT WILL NOT BE MADE FOR AREAS MULCHED MULTIPLE TIMES DUE TO CONTRACTORS OPERATION OR DUE TO THE REQUIREMENTS OF THE STORM WATER POLLUTION PREVENTION PLANS BASIS OF MEASUREMENT AND PAYMENT WILL BE PER ACRE AS MEASURED BY THE ENGINEER.</p>                                                                                                                                                                                                                                                     |
| A29 | L-125             | <p><u>L-853 RETROREFLECTIVE TAXIWAY MARKER</u></p> <p>WORK UNDER THIS BID ITEM SHALL BE IN ACCORDANCE WITH REFERENCE SPECIFICATION L-125 AND THE PLANS. BASIS OF PAYMENT SHALL BE PER EACH.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| A30 | CDOT<br>420-00112 | <p><u>GEOTEXTILE, DRAINAGE, CLASS 1</u></p> <p>WORK UNDER THIS ITEM SHALL BE IN ACCORDANCE WITH COLORADO DEPARTMENT OF TRANSPORTATION STANDARD CONSTRUCTION SPECIFICATIONS, SECTION 420 AND THE PLANS. BASIS OF PAYMENT SHALL BE PER SQUARE YARD OF GEOTEXTILE MATERIAL INSTALLED.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| A31 | CDOT<br>506-00209 | <p><u>9" SOIL RIP RAP</u></p> <p>WORK UNDER THIS ITEM SHALL BE IN ACCORDANCE WITH COLORADO DEPARTMENT OF TRANSPORTATION STANDARD CONSTRUCTION SPECIFICATIONS, SECTION 412 AND THE PLANS. EXCAVATION SHALL BE CONSIDERED INCIDENTAL TO THIS BID ITEM. BASIS OF PAYMENT SHALL BE PER CUBIC YARD OF RIP RAP INSTALLED, BASED ON FIELD MEASUREMENTS BY THE ENGINEER.</p>                                                                                                                                                                                                                                                                                                                                                                                                             |



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|                  |                |     |             |      |
|------------------|----------------|-----|-------------|------|
| DESIGNED         | MGT            | REV | DESCRIPTION | DATE |
| DRAWN            | MGT            |     |             |      |
| CHECKED          | GTJ            |     |             |      |
| CLIENT PROJ. NO. | 25X.141421.000 |     |             |      |

MEADOW LAKE AIRPORT  
TRANSIENT APRON RECONSTRUCTION  
QUANTITIES & ESTIMATE REFERENCE NOTES - SCHEDULE I

SHEET

G1.02





**LEGEND**

|  |                 |
|--|-----------------|
|  | SCHEDULE I HMA  |
|  | SCHEDULE I PCC  |
|  | SCHEDULE II HMA |
|  | SCHEDULE II PCC |

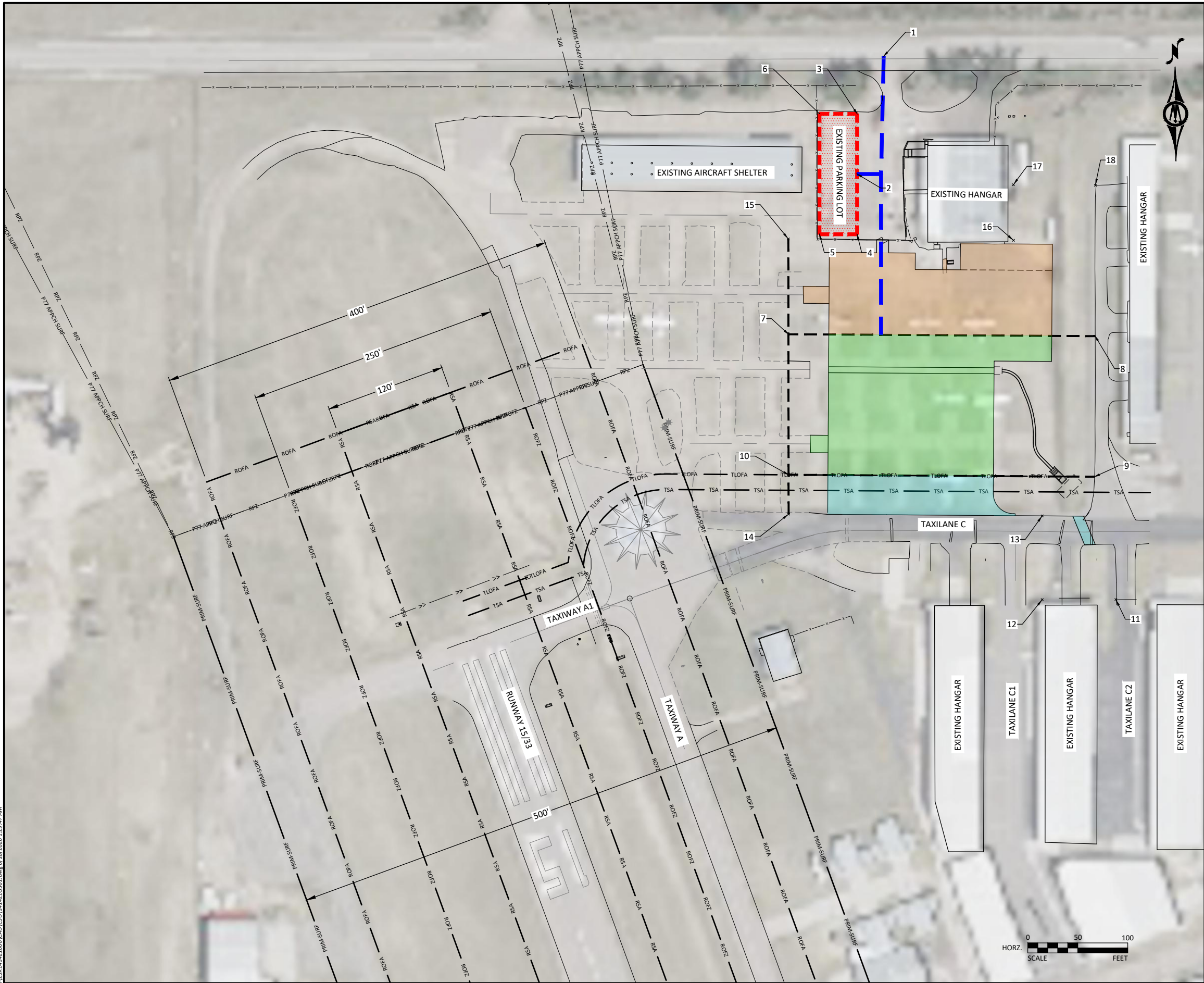
| CONTROL POINT DATA |             |           |            |            |
|--------------------|-------------|-----------|------------|------------|
| POINT NUMBER       | DESCRIPTION | ELEVATION | NORTHING   | EASTING    |
| 103                | 00V A       | 6872.80   | 1409151.09 | 3263298.21 |
| 205                | SET 5 RBR   | 6877.31   | 1409584.74 | 3263275.79 |
| 206                | SET 5 RBR   | 6870.63   | 1409671.76 | 3263590.07 |
| 208                | SET 5 RBR   | 6868.16   | 1409578.78 | 3263702.81 |
| 700083             | BRASS CAP-1 | 6878.11   | 1409290.00 | 3263152.43 |

| TAXILANE C |               |             |        |            |            |            |            |                        |
|------------|---------------|-------------|--------|------------|------------|------------|------------|------------------------|
| NUMBER     | START STATION | END STATION | LENGTH | START N    | START E    | END N      | END E      | LINE / CHORD DIRECTION |
| L1         | 100+00        | 101+23.86   | 123.86 | 1409275.91 | 3263157.59 | 1409318.53 | 3263273.88 | N69° 52' 26"E          |
| C1         | 101+23.86     | 101+70.44   | 46.58  | 1409318.53 | 3263273.88 | 1409354.73 | 3263298.12 | N33° 48' 22"E          |
| C2         | 101+70.44     | 102+39.95   | 69.51  | 1409354.73 | 3263298.12 | 1409399.43 | 3263341.36 | N44° 03' 00"E          |
| L2         | 102+39.95     | 107+74.01   | 534.06 | 1409399.43 | 3263341.36 | 1409396.06 | 3263875.40 | S89° 38' 20"E          |





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MEADOW LAKE AP CONSTRUCTION PLAN 141421.000.dwg 6/18/2026 1:29:47 AM



LEGEND

CONTRACTORS ACCESS ROUTE

LOW-PROFILE BARRICADES

PHASE LINE

CONSTRUCTION STAGING/  
STORAGE/STOCKPILE LOCATION

SCHEDULE I PHASE 1A

SCHEDULE I PHASE 1B

SCHEDULE I PHASE 2

| STAGING AREA, WORK AND HAUL ROUTES |              |           |                |                 |
|------------------------------------|--------------|-----------|----------------|-----------------|
| POINT NUMBER                       | DESCRIPTION  | ELEVATION | LATITUDE       | LONGITUDE       |
| 1                                  | HAUL ROUTE   | 6870.00   | N38°57'18.216" | W104°34'23.389" |
| 2                                  | HAUL ROUTE   | 6871.80   | N38°57'17.054" | W104°34'23.741" |
| 3                                  | STAGING AREA | 6871.24   | N38°57'17.650" | W104°34'23.733" |
| 4                                  | STAGING AREA | 6871.64   | N38°57'16.459" | W104°34'23.749" |
| 5                                  | STAGING AREA | 6872.29   | N38°57'16.463" | W104°34'24.225" |
| 6                                  | STAGING AREA | 6872.06   | N38°57'17.654" | W104°34'24.210" |
| 7                                  | WORK AREA    | 6872.95   | N38°57'15.478" | W104°34'24.632" |
| 8                                  | WORK AREA    | 6866.69   | N38°57'15.428" | W104°34'20.748" |
| 9                                  | WORK AREA    | 6866.45   | N38°57'14.039" | W104°34'20.773" |
| 10                                 | WORK AREA    | 6872.02   | N38°57'14.089" | W104°34'24.648" |
| 11                                 | WORK AREA    | 6862.00   | N38°57'12.823" | W104°34'20.520" |
| 12                                 | WORK AREA    | 6862.00   | N38°57'12.830" | W104°34'21.453" |
| 13                                 | WORK AREA    | 6867.20   | N38°57'13.658" | W104°34'21.443" |
| 14                                 | WORK AREA    | 6871.97   | N38°57'13.700" | W104°34'24.652" |
| 15                                 | WORK AREA    | 6872.99   | N38°57'16.420" | W104°34'24.621" |
| 16                                 | WORK AREA    | 6868.56   | N38°57'16.383" | W104°34'21.771" |
| 17                                 | WORK AREA    | 6869.01   | N38°57'16.933" | W104°34'21.764" |
| 18                                 | WORK AREA    | 6867.28   | N38°57'16.919" | W104°34'20.726" |



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| DESIGNED         | MGT            | REV | DESCRIPTION | DATE |
|------------------|----------------|-----|-------------|------|
| DRAWN            | MGT            |     |             |      |
| CHECKED          | GTJ            |     |             |      |
| CLIENT PROJ. NO. | 25X.141421.000 |     |             |      |

MEADOW LAKE AIRPORT  
TRANSIENT APRON RECONSTRUCTION  
CONSTRUCTION SAFETY & PHASING PLAN

SHEET

G3.00



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SAFETY AND CONSTRUCTION NOTES

(SEE CONSTRUCTION SAFETY AND PHASING PLAN IN SPECIFICATIONS FOR ADDITIONAL DETAIL)

GENERAL CONSTRUCTION SAFETY

1. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS SET FORTH IN FAA AC 150/5370-2G "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION", WHICH IS INCLUDED IN THE PROJECT MANUAL APPENDIX. CONSTRUCTION SAFETY SHALL BE DISCUSSED DURING THE PRE-CONSTRUCTION MEETING AND AT PROJECT MEETINGS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PUBLIC AND PRIVATE UTILITY LOCATIONS DURING CONSTRUCTION.
3. THE RESPONSIBILITY FOR ALL SAFETY SHALL FALL UPON THE CONTRACTOR(S) DURING CONSTRUCTION. THIS SAFETY PLAN SHALL BE REVIEWED BY THE FAA PRIOR TO CONSTRUCTION NOTICES. ANY ATTACHMENT, DEVIATIONS, OMISSIONS, OR CONTRADICTIONS TO THE FAA REGULATIONS DISCOVERED DURING REVIEW SHALL BE MADE PART OF THE SAFETY PLAN PRIOR TO CONSTRUCTION, AND HENCE BECOME PART OF THE CONTRACT CONDITIONS. THE CONTRACTOR SHALL CONFIRM PRIOR TO ENTERING INTO A CONSTRUCTION CONTRACT THAT NO MODIFICATIONS TO THIS SAFETY PLAN HAVE BEEN MADE. AT THE CONTRACTOR'S REQUEST THE ENGINEER SHALL PROVIDE DOCUMENTATION THAT INDICATES NO MODIFICATIONS, REVISIONS OR ADDITIONAL ITEMS BE INCLUDED IN THIS SAFETY PLAN.

CONSTRUCTION EQUIPMENT:

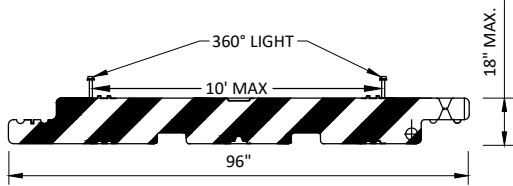
4. ALL CONSTRUCTION EQUIPMENT SHALL BE PARKED IN DESIGNATED STAGING/STORAGE AREAS WHEN NOT IN USE OR OVERNIGHT. ALL BOOMS SHALL BE LOWERED WHEN NOT IN USE.
5. THE EXPECTED MAXIMUM HEIGHT OF CONSTRUCTION EQUIPMENT IS 15 FEET AT ANY LOCATION. THE CONTRACTOR SHALL VERIFY ANY EQUIPMENT HEIGHT MORE THAN 15 FEET AND NOTIFY THE ENGINEER AND OWNER A MINIMUM OF 72 HOURS IN ADVANCE OF ANY CONSTRUCTION THAT REQUIRES EQUIPMENT OF MORE THAN 15 FEET SO THAT THE APPROPRIATE NOTICE TO AIR MISSIONS (NOTAM) MAY BE ISSUED.
6. ALL EQUIPMENT WORKING ON THE AIRPORT CONSTRUCTION SITE MUST HAVE AN AMBER FLASHING BEACON AND/OR WARNING FLAG. THE VEHICLE WARNING FLAGS SHALL BE AS PER DETAIL ON THE CSPP PLAN SHEETS. THE FLAG SHALL BE SECURELY ATTACHED TO THE HIGHEST POINT ON THE CONSTRUCTION EQUIPMENT OR VEHICLE AND BE VISIBLE AT ALL TIMES. VEHICLE WARNING FLAGS ARE THE MINIMUM REQUIREMENT.
7. VEHICULAR TRAFFIC SHALL NOT ENTER ACTIVE AIRCRAFT MOVEMENT AREAS DURING THE PROJECT. SHOULD VEHICULAR TRAFFIC NEED TO ENTER ACTIVE AIRCRAFT MOVEMENT AREAS THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND AIRPORT MANAGER TO ISSUE THE PROPER NOTAM TO PREVENT INCURSIONS.

HAUL ROUTES, TRAFFIC CONTROL & ACCESS CONTROL

8. ALL TEMPORARY ACCESS, STORAGE/STAGING AREAS AND ROADS SHALL BE RESTORED TO ORIGINAL CONDITION, INCLUDING TOPSOILING, RE-SEEDING, IF NECESSARY, AFTER USE BY THE CONTRACTOR. RESTORATION OF THESE AREAS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
9. THE CONTRACTOR SHALL PROVIDE, INSTALL, AND MAINTAIN ALL TRAFFIC CONTROL DEVICES AS NECESSARY.
10. THIS LAYOUT IS A MINIMUM REQUIREMENT NECESSARY TO ASSIST THE CONTRACTOR IN DETERMINING THE COST FOR PROVIDING NECESSARY TRAFFIC CONTROL. THE CONTRACTOR MAY ADD ADDITIONAL WARNING DEVICES UPON APPROVAL OF THE ENGINEER.
11. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE AIRPORT MANAGER A MINIMUM OF 72 HOURS IN ADVANCE OF ANY PROPOSED CONSTRUCTION WITHIN THE APRON OR TAXIWAY SAFETY AREAS, RUNWAY PROTECTION ZONES, APPROACH AREAS OR REQUIRED CLOSURE AREAS SO THAT THE APPROPRIATE NOTAM MAY BE ISSUED. THE AIRPORT MANAGER WILL ALSO ISSUE TIMELY NOTAMS WHICH SPECIFICALLY DETAIL THE CURRENT STATUS OF THE AIRPORT DURING CONSTRUCTION, INCLUDING CLOSURE STATUS. THE NOTAM SHALL INCLUDE THE PROPOSED LOCATION, TIME AND DATE OR COMMENCEMENT OF CONSTRUCTION.
12. INSPECT FOR AND REMOVE FOREIGN OBJECT DEBRIS (FOD) ON OR NEAR ALL AIRCRAFT MOVEMENT AREAS BY SWEEPING DAILY AT TIMES OF CONCURRENT CONSTRUCTION AND AIRCRAFT OPERATIONS. WASTE AND LOOSE MATERIAL MUST NOT BE PLACED IN ACTIVE AIRCRAFT MOVEMENT AREAS. MATERIALS TRACKED ON TO THESE AREAS MUST BE REMOVED CONTINUOUSLY DURING THE PROJECT. THE CONSTRUCTION SITE, INCLUDING THE STAGING AREA, SHALL BE KEPT CLEAN OF ALL PERSONNEL DEBRIS.
13. THERE SHALL BE NO UNAUTHORIZED PERSONNEL ON THE AIRFIELD. CONTRACTOR SHALL USE THE DESIGNATED AIRPORT ACCESS ROUTE IDENTIFIED IN THE CSPP PLAN SHEETS WHEN ENTERING AIRPORT PROPERTY. NO GATES ARE TO BE LEFT OPEN AND UNATTENDED.
14. AT ALL TIMES, WHILE CONSTRUCTION IS IN PROGRESS, THE CONTRACTOR SHALL HAVE A DESIGNATED PERSON MONITORING THE UNICOM FREQUENCY OR CTAF (122.700).
15. PERSONAL VEHICLES SHALL NOT BE ALLOWED ON THE AIRFIELD. ALL PERSONAL VEHICLES SHOULD BE PARKED IN DESIGNATED STAGING/STORAGE AREAS OR ANOTHER AREA AS DESIGNATED BY THE AIRPORT MANAGER.
16. WHEN ACCESS POINTS ARE CREATED IN THE SECURITY FENCING TO PERMIT THE PASSAGE OF CONSTRUCTION VEHICLES OR PERSONNEL, TEMPORARY GATES SHOULD BE EQUIPPED SO THEY CAN BE SECURELY CLOSED AND LOCKED TO PREVENT ACCESS BY ANIMALS AND PEOPLE.
17. LOW PROFILE BARRICADE FLASHERS, AND FLASHERS OR ANY KIND UTILIZED ON THE PROJECT SHALL BE INSPECTED AT DUSK EACH DAY TO ENSURE ALL FLASHERS ARE WORKING PROPERLY.
18. PROMINENTLY MARK OPEN TRENCHES, EXCAVATIONS AND STOCKPILED MATERIALS AND LIGHT THESE OBSTACLES DURING HOURS OF RESTRICTED VISIBILITY AND DARKNESS. CONSTRAIN STOCKPILED MATERIALS TO PREVENT ITS MOVEMENT AS A RESULT OF THE MAXIMUM ANTICIPATED AIRCRAFT BLAST AND FORECASTED WIND CONDITIONS.
19. PRIOR TO RE-OPENING ANY CLOSED PAVEMENT AREA, THE CONTRACTOR, TOGETHER WITH THE AIRPORT MANAGER AND ENGINEER SHALL INSPECT THE PAVEMENT, SAFETY AREAS AND PRIMARY SURFACE FOR ANY OBSTRUCTION OR FOD.
20. WHEN THE AIRFIELD IS CLOSED FOR CONSTRUCTION (RUNWAY CLOSURES IN PLACE), THE BEACON SHALL REMAIN IN OPERATION BUT ALL OTHER AIRFIELD LIGHTING & NAVAID SHALL BE TURNED OFF.
21. ALL AIRFIELD GUIDANCE SIGNS (INCLUDING HOLD SIGNS) SHALL BE COVERED OR OTHERWISE REMOVED FROM SERVICE IF THE SAID GUIDANCE SIGNS ARE IDENTIFYING AREAS THAT ARE CLOSED FOR CONSTRUCTION.
22. THE CONTRACTOR SHALL NOTIFY AIRCRAFT RESCUE AND FIRE FIGHTING (ARFF) PERSONNEL, MUTUAL AID PROVIDERS AND OTHER EMERGENCY SERVICES IF CONSTRUCTION REQUIRES SHUTTING OFF OR OTHERWISE DISRUPTING ANY WATER LINE OR FIRE HYDRANT ON THE AIRPORT OR ADJOINING AREAS AND IF CONTRACTORS WORK WITH HAZARDOUS MATERIAL ON THE AIRFIELD. NOTIFICATION MUST ALSO BE MADE WHEN THE WORK PERFORMED WILL CLOSE OR AFFECT ANY EMERGENCY ROUTES. ALSO MAKE NOTIFICATION WHEN SERVICES ARE RESTORED.

PROJECT NOTES:

23. CONTRACTOR SHALL PROVIDE A SAFETY COMPLIANCE DOCUMENT PRIOR TO ISSUANCE OF NOTICE TO PROCEED.
24. A REPRESENTATIVE SHALL BE PROVIDED BY THE CONTRACTOR ON-CALL 24 HOURS A DAY FOR EMERGENCY MAINTENANCE OF THE AIRPORT TRAFFIC CONTROL DEVICES AND LIGHTING.
25. CONTRACTOR, ENGINEER AND AIRPORT MANAGER SHALL CONDUCT DAILY INSPECTIONS TO ENSURE CONFORMANCE TO CSPP PLAN.
26. CONTRACTOR SHALL HAVE A SWEEPER ON-SITE AT ALL TIMES TO PICK UP DEBRIS FROM ACTIVE AIRCRAFT MOVEMENT AREAS AS IT OCCURS.
27. FOR MORE INFORMATION REGARDING CONTRACT TIME ALLOWED FOR CONSTRUCTION, REFER TO THE NOTICE TO BIDDERS FOR THE PROJECT.



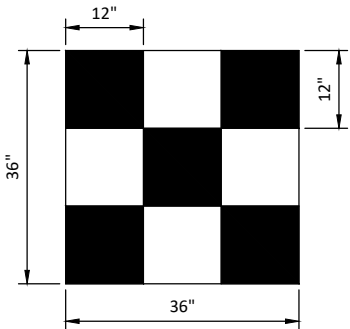
LOW PROFILE BARRICADE NOTES:

- 1) BARRICADES SHALL BE LOW PROFILE AND LOW MASS AS APPROVED BY ENGINEER.
- 2) TWO FLASHING RED LIGHTS ARE REQUIRED. LIGHTS SHALL BE OMNIDIRECTIONAL OR ROTATE ONE LIGHT 90°. SECURELY FASTEN LIGHTS TO BARRICADE.
- 3) REFLECTIVE MEDIA SHALL BE ALTERNATING 6" WIDE BANDS OF INTERNATIONAL ORANGE AND WHITE ANGLED AT 45°.
- 4) BARRICADES SHALL BE SECURELY WEIGHTED TO PREVENT MOVEMENT BY WIND, PROPELLER WASH, OR JET BLAST UP TO 75 MPH.
- 5) SPACE BARRICADES 4' APART OR LESS AND EXTEND ACROSS PAVEMENT, EDGE TO EDGE.
- 6) CONTRACTOR SHALL INSPECT BARRICADES TWICE DAILY - BEFORE CONSTRUCTION STARTS AND PRIOR TO LEAVING THE SITE AT THE END OF DAY.
- 7) DISTANCE BETWEEN LIGHTS SHALL NOT EXCEED 10.'



LOW PROFILE BARRICADE DETAIL

NOT TO SCALE



NOTES:

1. FLAG SHALL HAVE A CHECKERED PATTERN OF INTERNATIONAL ORANGE AND WHITE SQUARES



VEHICLE WARNING FLAG

NOT TO SCALE



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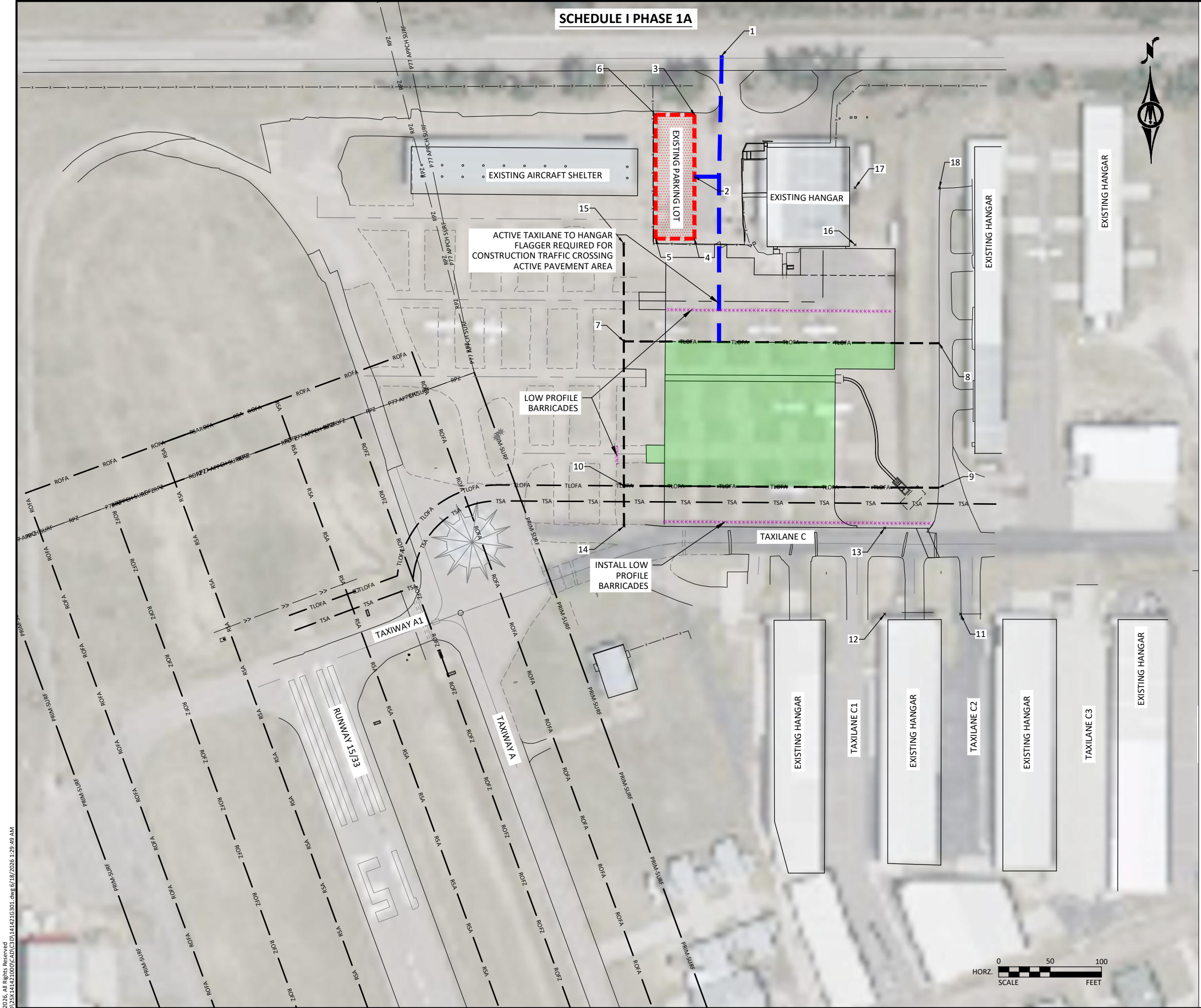
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| MGT              |     |             |      |
| DRAWN            |     |             |      |
| MGT              |     |             |      |
| CHECKED          |     |             |      |
| GTJ              |     |             |      |
| CLIENT PROJ. NO. |     |             |      |
| 25X.141421.000   |     |             |      |

MEADOW LAKE AIRPORT  
TRANSIENT APRON RECONSTRUCTION  
CONSTRUCTION SAFETY & PHASING PLAN

SHEET

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| CLIENT PROJ. NO. | 25X.141421.000 |     |             |      |

| LEGEND |                                                     |
|--------|-----------------------------------------------------|
|        | CONTRACTORS ACCESS ROUTE                            |
|        | LOW-PROFILE BARRICADES                              |
|        | PHASE LINE                                          |
|        | CONSTRUCTION STAGING/<br>STORAGE/STOCKPILE LOCATION |
|        | SCHEDULE I PHASE 1A                                 |
|        | SCHEDULE I PHASE 1B                                 |
|        | SCHEDULE I PHASE 2                                  |

| STAGING AREA, WORK AND HAUL ROUTES |              |           |                |                 |
|------------------------------------|--------------|-----------|----------------|-----------------|
| POINT NUMBER                       | DESCRIPTION  | ELEVATION | LATITUDE       | LONGITUDE       |
| 1                                  | HAUL ROUTE   | 6870.00   | N38°57'18.216" | W104°34'23.389" |
| 2                                  | HAUL ROUTE   | 6871.80   | N38°57'17.054" | W104°34'23.741" |
| 3                                  | STAGING AREA | 6871.24   | N38°57'17.650" | W104°34'23.733" |
| 4                                  | STAGING AREA | 6871.64   | N38°57'16.459" | W104°34'23.749" |
| 5                                  | STAGING AREA | 6872.29   | N38°57'16.463" | W104°34'24.225" |
| 6                                  | STAGING AREA | 6872.06   | N38°57'17.654" | W104°34'24.210" |
| 7                                  | WORK AREA    | 6872.95   | N38°57'15.478" | W104°34'24.632" |
| 8                                  | WORK AREA    | 6866.69   | N38°57'15.428" | W104°34'20.748" |
| 9                                  | WORK AREA    | 6866.45   | N38°57'14.039" | W104°34'20.773" |
| 10                                 | WORK AREA    | 6872.02   | N38°57'14.089" | W104°34'24.648" |
| 11                                 | WORK AREA    | 6862.00   | N38°57'12.823" | W104°34'20.520" |
| 12                                 | WORK AREA    | 6862.00   | N38°57'12.830" | W104°34'21.453" |
| 13                                 | WORK AREA    | 6867.20   | N38°57'13.658" | W104°34'21.443" |
| 14                                 | WORK AREA    | 6871.97   | N38°57'13.700" | W104°34'24.652" |
| 15                                 | WORK AREA    | 6872.99   | N38°57'16.420" | W104°34'24.621" |
| 16                                 | WORK AREA    | 6868.56   | N38°57'16.383" | W104°34'21.771" |
| 17                                 | WORK AREA    | 6869.01   | N38°57'16.933" | W104°34'21.764" |
| 18                                 | WORK AREA    | 6867.28   | N38°57'16.919" | W104°34'20.726" |

**SCHEDULE I PHASE 1A CONSTRUCTION NOTES:**

- WORK ELEMENTS:**
- PAVEMENT REMOVALS, EXCAVATION, PAVING, GRADING AND SEEDING.

- ACTIVE AREAS AFFECTED:**
- TRANSIENT APRON TO BE CLOSED WITHIN THE WORK AREA.

- DURATION:**
- REFER TO SECTION 00 52 00 AGREEMENT FORMS, 4.04 MILESTONES INCLUDED IN THE PROJECT MANUAL FOR PHASE DURATION.

- NOTAMS:**
- SEE CSPP FOR MORE INFORMATION.
  - CONTRACTOR TO COORDINATE WITH OWNER FOR ISSUANCE OF NOTAMS.

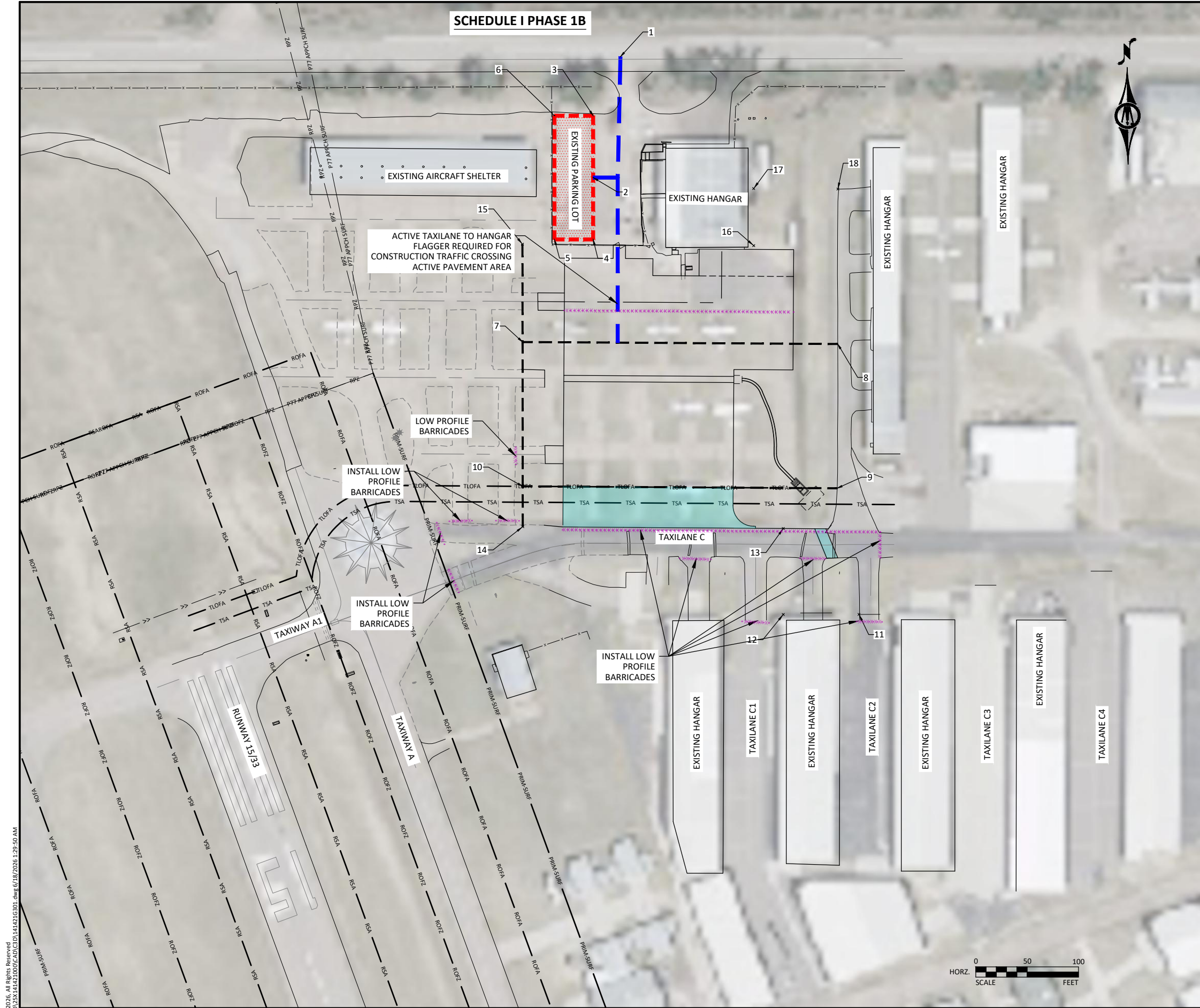
- NOTES:**
- PLACE LOW PROFILE BARRICADES AT THE NORTHERN AND WESTERN EXTENTS OF SCHEDULE I PHASE 1A WORK AREA.
  - PLACE LOW PROFILE BARRICADES ALONG THE NORTH EDGE OF TAXILANE C. THE NORTHERN APRON TAXILANE WILL REMAIN ACTIVE FOR PHASE 1A.
  - A FLAGGER SHALL BE PROVIDED BY THE CONTRACTOR TO FACILITATE CONSTRUCTION TRAFFIC CROSSING TAXILANE C.
  - CONTRACTOR SHALL COORDINATE WITH AIRPORT MANAGER FOR ISSUANCE OF NOTAMS.
  - CONTRACTOR SHALL REFER TO THE CONSTRUCTION SAFETY & PHASING PLAN (CSPP) FOR ADDITIONAL INFORMATION.



MEADOW LAKE AIRPORT  
TRANSIENT APRON RECONSTRUCTION  
CONSTRUCTION SAFETY & PHASING PLAN

SHEET  
**G3.02**





LEGEND

CONTRACTORS ACCESS ROUTE

LOW-PROFILE BARRICADES

| STAGING AREA, WORK AND HAUL ROUTES |              |           |                |                 |
|------------------------------------|--------------|-----------|----------------|-----------------|
| POINT NUMBER                       | DESCRIPTION  | ELEVATION | LATITUDE       | LONGITUDE       |
| 1                                  | HAUL ROUTE   | 6870.00   | N38°57'18.216" | W104°34'23.389" |
| 2                                  | HAUL ROUTE   | 6871.80   | N38°57'17.054" | W104°34'23.741" |
| 3                                  | STAGING AREA | 6871.24   | N38°57'17.650" | W104°34'23.733" |
| 4                                  | STAGING AREA | 6871.64   | N38°57'16.459" | W104°34'23.749" |
| 5                                  | STAGING AREA | 6872.29   | N38°57'16.463" | W104°34'24.225" |
| 6                                  | STAGING AREA | 6872.06   | N38°57'17.654" | W104°34'24.210" |
| 7                                  | WORK AREA    | 6872.95   | N38°57'15.478" | W104°34'24.632" |
| 8                                  | WORK AREA    | 6866.69   | N38°57'15.428" | W104°34'20.748" |
| 9                                  | WORK AREA    | 6866.45   | N38°57'14.039" | W104°34'20.773" |
| 10                                 | WORK AREA    | 6872.02   | N38°57'14.089" | W104°34'24.648" |
| 11                                 | WORK AREA    | 6862.00   | N38°57'12.823" | W104°34'20.520" |
| 12                                 | WORK AREA    | 6862.00   | N38°57'12.830" | W104°34'21.453" |
| 13                                 | WORK AREA    | 6867.20   | N38°57'13.658" | W104°34'21.443" |
| 14                                 | WORK AREA    | 6871.97   | N38°57'13.700" | W104°34'24.652" |
| 15                                 | WORK AREA    | 6872.99   | N38°57'16.420" | W104°34'24.621" |
| 16                                 | WORK AREA    | 6868.56   | N38°57'16.383" | W104°34'21.771" |
| 17                                 | WORK AREA    | 6869.01   | N38°57'16.933" | W104°34'21.764" |
| 18                                 | WORK AREA    | 6867.28   | N38°57'16.919" | W104°34'20.726" |

SCHEDULE I PHASE 1B CONSTRUCTION NOTES:

- WORK ELEMENTS:
- PAVEMENT REMOVALS, EXCAVATION, PAVING, GRADING AND SEEDING.

- ACTIVE AREAS AFFECTED:
- TAXILANE C TO BE CLOSED WEST OF THE COMPASS ROSE APRON/TAXIWAY A.
  - TRANSIENT APRON TO BE CLOSED WITHIN THE WORK AREA.

- DURATION:
- REFER TO SECTION 00 52 00 AGREEMENT FORMS, 4.04 MILESTONES INCLUDED IN THE PROJECT MANUAL FOR PHASE DURATION.

- NOTAMS:
- SEE CSPP FOR MORE INFORMATION.
  - CONTRACTOR TO COORDINATE WITH OWNER FOR ISSUANCE OF NOTAMS.

- NOTES:
- PLACE LOW PROFILE BARRICADES AT THE ENTRANCE TO TAXILANE C.
  - A FLAGGER SHALL BE PROVIDED BY THE CONTRACTOR TO FACILITATE CONSTRUCTION TRAFFIC CROSSING TAXILANE C.
  - ALL PHASE 1A LOW-PROFILE BARRICADES SHALL REMAIN FOR PHASE 1B.
  - CONTRACTOR SHALL COORDINATE WITH AIRPORT MANAGER FOR ISSUANCE OF NOTAMS.
  - CONTRACTOR SHALL REFER TO THE CONSTRUCTION SAFETY & PHASING PLAN (CSPP) FOR ADDITIONAL INFORMATION.



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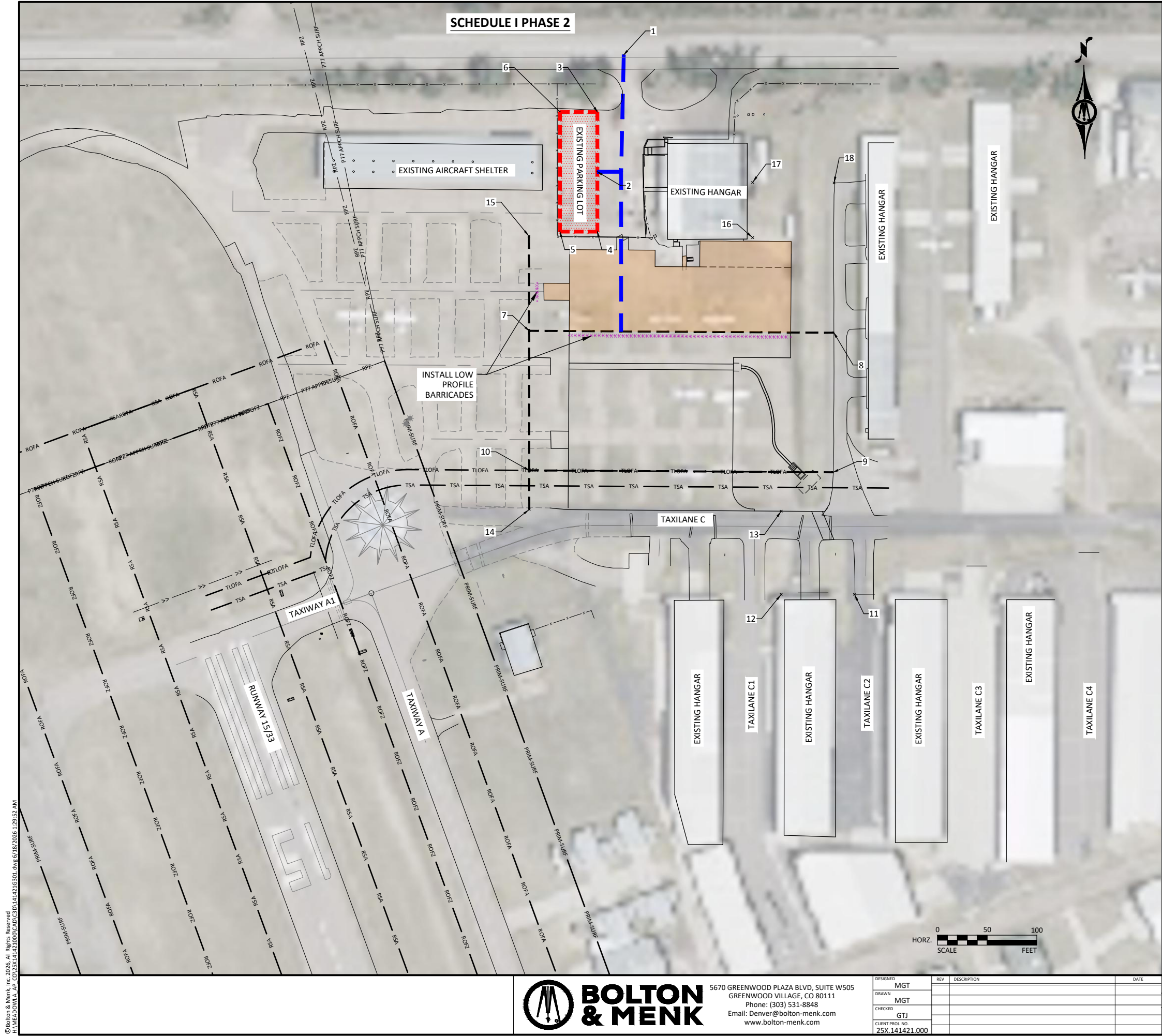
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| DRAWN            |     |             |      |
| MGT              |     |             |      |
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| GTJ              |     |             |      |
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MEADOW LAKE AIRPORT  
TRANSIENT APRON RECONSTRUCTION  
CONSTRUCTION SAFETY & PHASING PLAN

SHEET

G3.03





LEGEND

CONTRACTORS ACCESS ROUTE

LOW-PROFILE BARRICADES

| STAGING AREA, WORK AND HAUL ROUTES |              |           |                |                 |
|------------------------------------|--------------|-----------|----------------|-----------------|
| POINT NUMBER                       | DESCRIPTION  | ELEVATION | LATITUDE       | LONGITUDE       |
| 1                                  | HAUL ROUTE   | 6870.00   | N38°57'18.216" | W104°34'23.389" |
| 2                                  | HAUL ROUTE   | 6871.80   | N38°57'17.054" | W104°34'23.741" |
| 3                                  | STAGING AREA | 6871.24   | N38°57'17.650" | W104°34'23.733" |
| 4                                  | STAGING AREA | 6871.64   | N38°57'16.459" | W104°34'23.749" |
| 5                                  | STAGING AREA | 6872.29   | N38°57'16.463" | W104°34'24.225" |
| 6                                  | STAGING AREA | 6872.06   | N38°57'17.654" | W104°34'24.210" |
| 7                                  | WORK AREA    | 6872.95   | N38°57'15.478" | W104°34'24.632" |
| 8                                  | WORK AREA    | 6866.69   | N38°57'15.428" | W104°34'20.748" |
| 9                                  | WORK AREA    | 6866.45   | N38°57'14.039" | W104°34'20.773" |
| 10                                 | WORK AREA    | 6872.02   | N38°57'14.089" | W104°34'24.648" |
| 11                                 | WORK AREA    | 6862.00   | N38°57'12.823" | W104°34'20.520" |
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| 14                                 | WORK AREA    | 6871.97   | N38°57'13.700" | W104°34'24.652" |
| 15                                 | WORK AREA    | 6872.99   | N38°57'16.420" | W104°34'24.621" |
| 16                                 | WORK AREA    | 6868.56   | N38°57'16.383" | W104°34'21.771" |
| 17                                 | WORK AREA    | 6869.01   | N38°57'16.933" | W104°34'21.764" |
| 18                                 | WORK AREA    | 6867.28   | N38°57'16.919" | W104°34'20.726" |

SCHEDULE I PHASE 2 CONSTRUCTION NOTES:

- WORK ELEMENTS:
- PAVEMENT REMOVALS, EXCAVATION, PAVING, GRADING AND SEEDING.

- ACTIVE AREAS AFFECTED:
- TRANSIENT APRON TO BE CLOSED WITHIN THE WORK AREA.

- DURATION:
- REFER TO SECTION 00 52 00 AGREEMENT FORMS, 4.04 MILESTONES INCLUDED IN THE PROJECT MANUAL FOR PHASE DURATION.

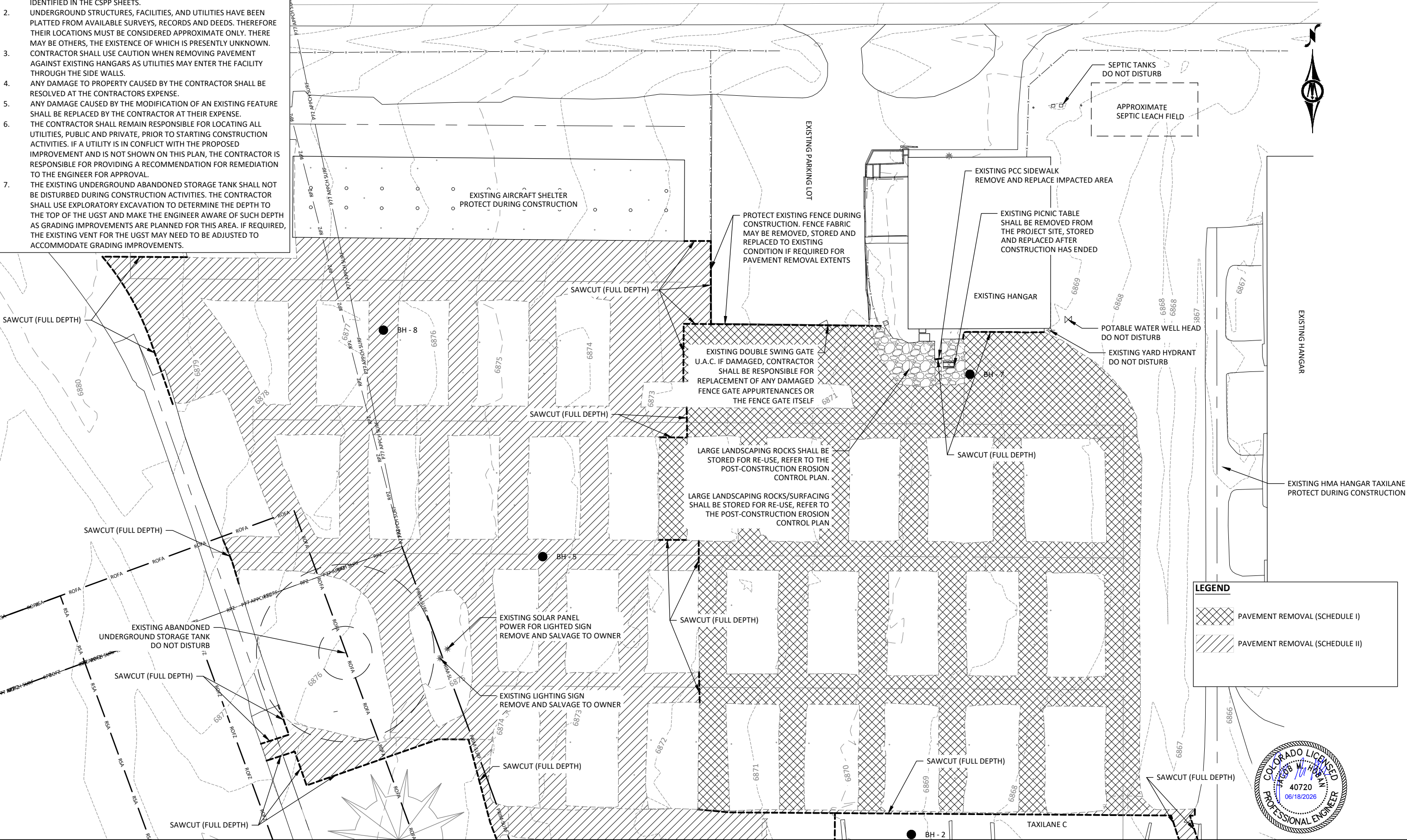
- NOTAMS:
- SEE CSPP FOR MORE INFORMATION.
  - CONTRACTOR TO COORDINATE WITH OWNER FOR ISSUANCE OF NOTAMS.

- NOTES:
- PLACE LOW PROFILE BARRICADES AT THE SOUTHERN AND WESTERN EXTENTS OF SCHEDULE I PHASE 2 WORK AREA.
  - A FLAGGER SHALL BE PROVIDED BY THE CONTRACTOR TO FACILITATE CONSTRUCTION TRAFFIC CROSSING TAXILANE C.
  - CONTRACTOR SHALL COORDINATE WITH AIRPORT MANAGER FOR ISSUANCE OF NOTAMS.
  - CONTRACTOR SHALL REFER TO THE CONSTRUCTION SAFETY & PHASING PLAN (CSPP) FOR ADDITIONAL INFORMATION.



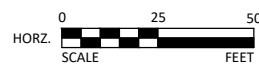
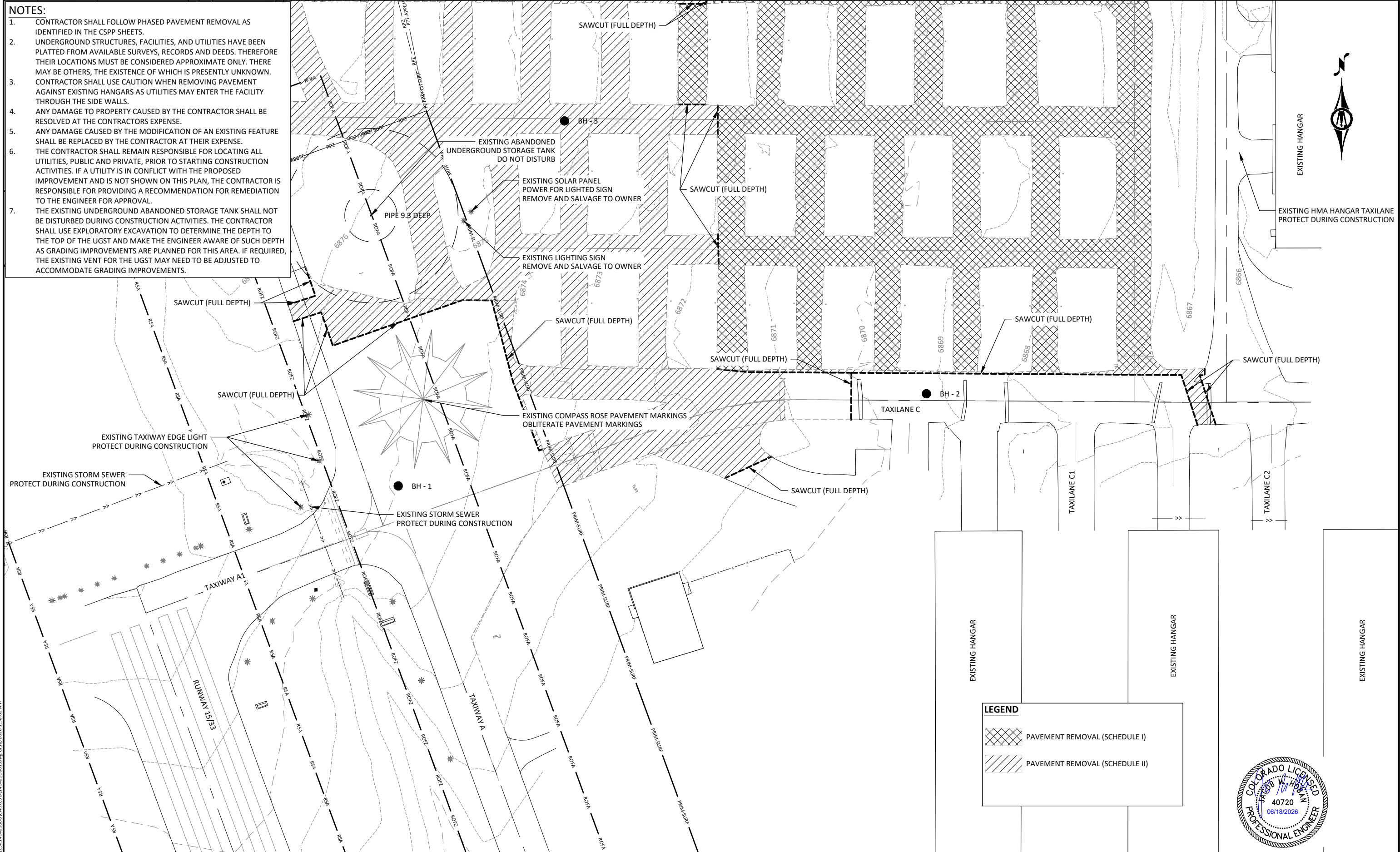


- NOTES:**
1. CONTRACTOR SHALL FOLLOW PHASED PAVEMENT REMOVAL AS IDENTIFIED IN THE CSPP SHEETS.
  2. UNDERGROUND STRUCTURES, FACILITIES, AND UTILITIES HAVE BEEN PLATTED FROM AVAILABLE SURVEYS, RECORDS AND DEEDS. THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY UNKNOWN.
  3. CONTRACTOR SHALL USE CAUTION WHEN REMOVING PAVEMENT AGAINST EXISTING HANGARS AS UTILITIES MAY ENTER THE FACILITY THROUGH THE SIDE WALLS.
  4. ANY DAMAGE TO PROPERTY CAUSED BY THE CONTRACTOR SHALL BE RESOLVED AT THE CONTRACTORS EXPENSE.
  5. ANY DAMAGE CAUSED BY THE MODIFICATION OF AN EXISTING FEATURE SHALL BE REPLACED BY THE CONTRACTOR AT THEIR EXPENSE.
  6. THE CONTRACTOR SHALL REMAIN RESPONSIBLE FOR LOCATING ALL UTILITIES, PUBLIC AND PRIVATE, PRIOR TO STARTING CONSTRUCTION ACTIVITIES. IF A UTILITY IS IN CONFLICT WITH THE PROPOSED IMPROVEMENT AND IS NOT SHOWN ON THIS PLAN, THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A RECOMMENDATION FOR REMEDIATION TO THE ENGINEER FOR APPROVAL.
  7. THE EXISTING UNDERGROUND ABANDONED STORAGE TANK SHALL NOT BE DISTURBED DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL USE EXPLORATORY EXCAVATION TO DETERMINE THE DEPTH TO THE TOP OF THE UGST AND MAKE THE ENGINEER AWARE OF SUCH DEPTH AS GRADING IMPROVEMENTS ARE PLANNED FOR THIS AREA. IF REQUIRED, THE EXISTING VENT FOR THE UGST MAY NEED TO BE ADJUSTED TO ACCOMMODATE GRADING IMPROVEMENTS.





1. CONTRACTOR SHALL FOLLOW PHASED PAVEMENT REMOVAL AS IDENTIFIED IN THE CSPP SHEETS.
2. UNDERGROUND STRUCTURES, FACILITIES, AND UTILITIES HAVE BEEN PLATTED FROM AVAILABLE SURVEYS, RECORDS AND DEEDS. THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY UNKNOWN.
3. CONTRACTOR SHALL USE CAUTION WHEN REMOVING PAVEMENT AGAINST EXISTING HANGARS AS UTILITIES MAY ENTER THE FACILITY THROUGH THE SIDE WALLS.
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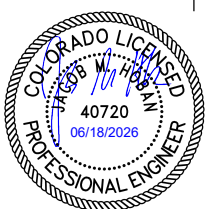
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| DESIGNED                           | REV | DESCRIPTION | DATE |
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| MGT                                |     |             |      |
| DRAWN                              |     |             |      |
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| GTJ                                |     |             |      |
| CLIENT PROJ. NO.<br>25X.141421.000 |     |             |      |

MEADOW LAKE AIRPORT  
TRANSIENT APRON RECONSTRUCTION  
EXISTING CONDITIONS & DEMOLITION PLAN

SHEET

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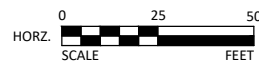
SCHEDULE I HMA

SCHEDULE I PCC

SCHEDULE II HMA

SCHEDULE II PCC

GRADE BREAK



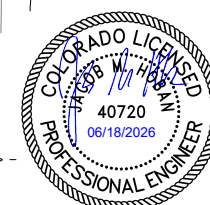
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MEADOW LAKE AIRPORT  
TRANSIENT APRON RECONSTRUCTION  
SITE LAYOUT & GEOMETRY PLAN

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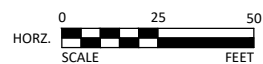
SCHEDULE I HMA

SCHEDULE I PCC

SCHEDULE II HMA

SCHEDULE II PCC

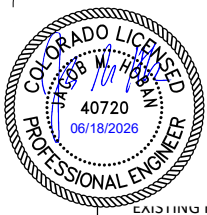
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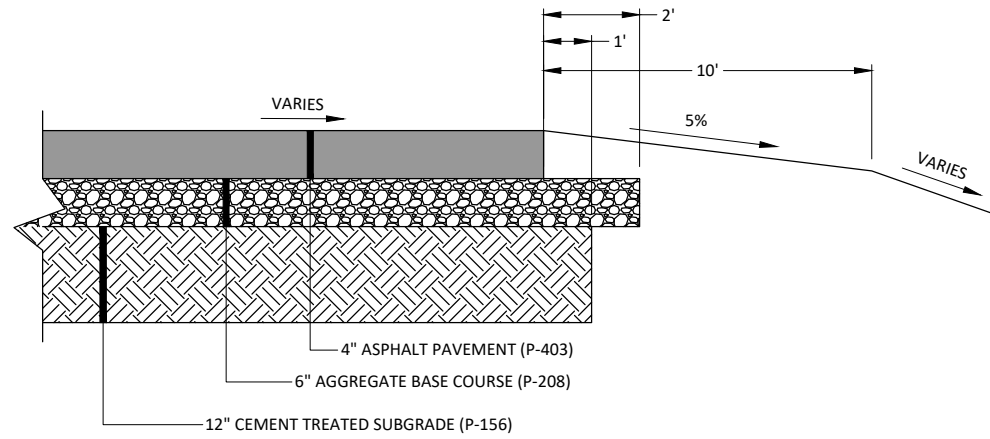
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| DESIGNED         | MGT            | REV | DESCRIPTION | DATE |
|------------------|----------------|-----|-------------|------|
| DRAWN            | MGT            |     |             |      |
| CHECKED          | GTJ            |     |             |      |
| CLIENT PROJ. NO. | 25X.141421.000 |     |             |      |

MEADOW LAKE AIRPORT  
TRANSIENT APRON RECONSTRUCTION  
SITE LAYOUT & GEOMETRY PLAN

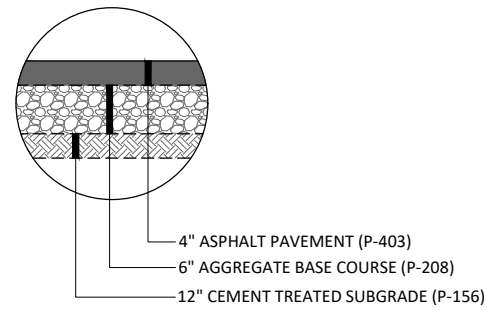


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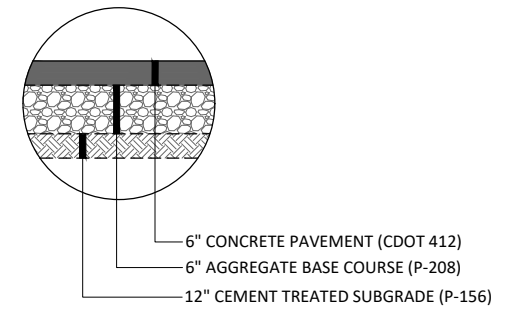
1 PROPOSED TAXILANE HMA PAVEMENT CROSS SECTION  
NOT TO SCALE

NOTE:  
REFER TO JOINTING PLAN & DETAILS FOR INFORMATION REGARDING HMA & PCC JOINTING.

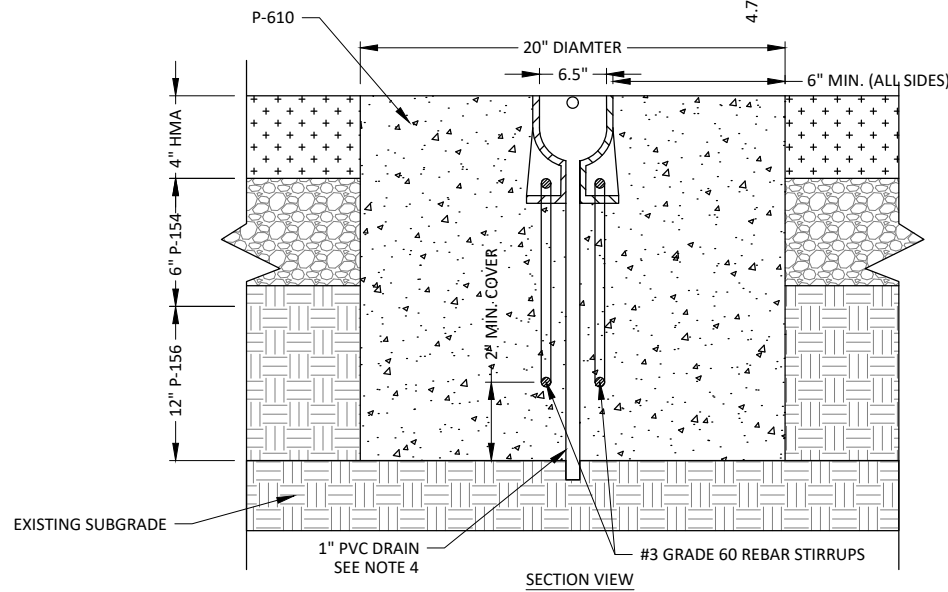
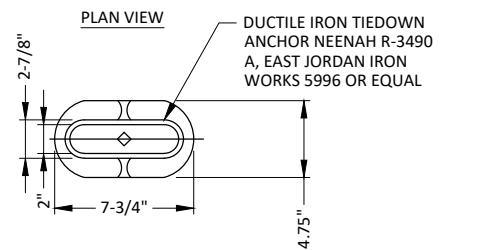


2 PROPOSED APRON HMA PAVEMENT SECTION  
NOT TO SCALE

NOTE:  
REFER TO JOINTING PLAN & DETAILS FOR INFORMATION REGARDING HMA & PCC JOINTING.

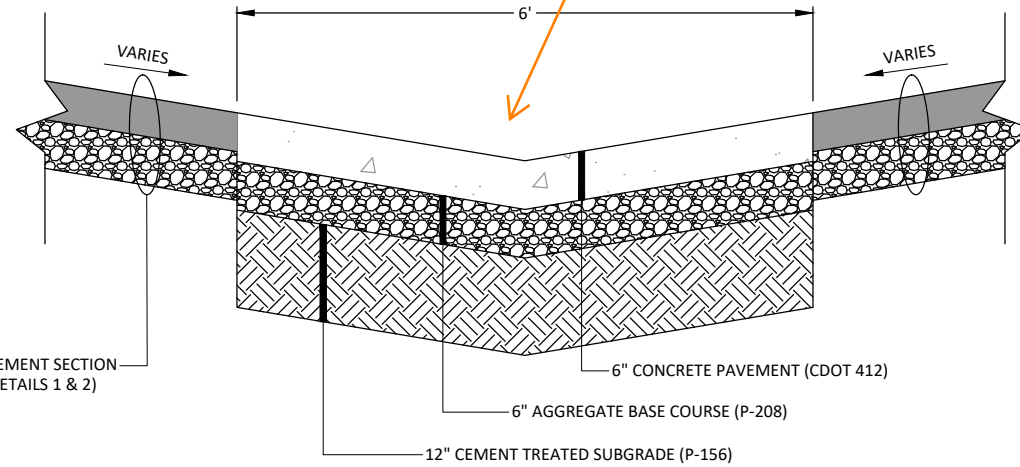


3 PCC PAVEMENT SECTION  
NOT TO SCALE



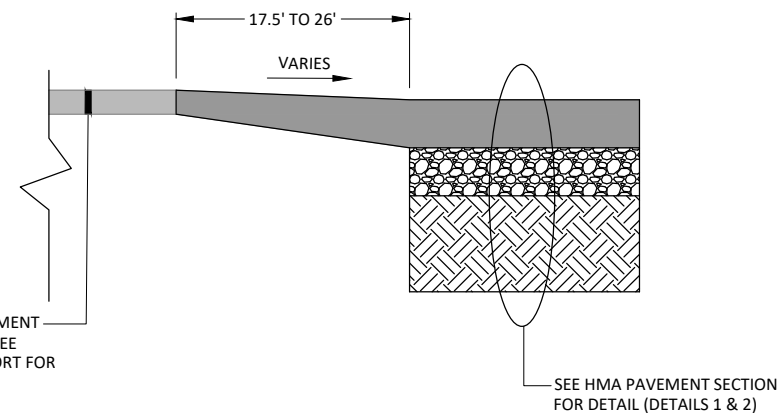
- NOTES:
1. COORDINATE WITH ENGINEER TO CONFIRM LOCATION OF TIE DOWNS IN THE FIELD.
  2. TIE DOWN ANCHORS SHALL BE CAST-IN-PLACE AND STAKED TO ELEVATION PRIOR TO PAVING, WITHIN MINIMAL ADJUSTMENT AFTER.
  3. THE ORIENTATION OF THE MOORING EYE SHALL BE SET SUCH THAT WHEN AN AIRCRAFT IS PARKED, NEITHER THE ROPES FOR THE WINGS NOR THE TAIL WOULD BECOME FRAYED BY RUBBING AGAINST THE SIDE OF THE MOORING EYE CASTING.
  4. IF SUBGRADE IS CHEMICALLY TREATED, TIE DOWN MOORING EYE DRAINAGE PIPE MUST BE DRAINED TO (AT A MINIMUM) THE NATURAL SUBGRADE, HOWEVER, MAY BE CONNECTED TO THE SUBDRAIN SYSTEM (IF AVAILABLE).

4 AIRCRAFT TIE DOWN DETAIL  
NOT TO SCALE



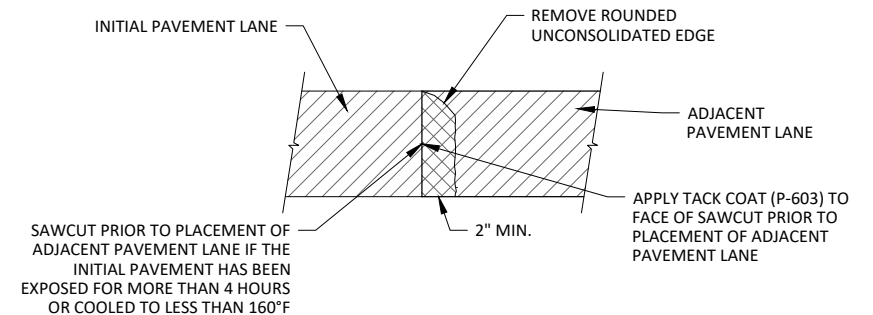
5 VALLEY GUTTER DETAIL (V-PAN)  
NOT TO SCALE

EXISTING HMA PAVEMENT THICKNESS VARIES (SEE GEOTECHNICAL REPORT FOR MORE DETAILS)



6 PROPOSED PAVEMENT TIE-IN DETAIL  
NOT TO SCALE

I get that the slopes coming into the pan will vary, but need to show the depth and slopes of the pan itself.



7 ASPHALT LONGITUDINAL CONSTRUCTION JOINT DETAIL  
NOT TO SCALE



MEADOW LAKE AIRPORT  
GEC PLANS FOR  
TRANSIENT APRON RECONSTRUCTION

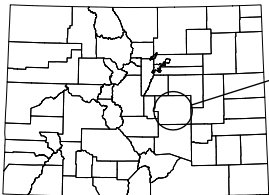
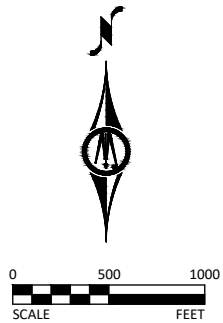
AIP 3-08-0063-030-2026  
MEADOW LAKE AIRPORT ASSOCIATION  
JUNE 2026

You can remove these signature blocks because you are going to add similar signature blocks to page 1 above.

EL PASO COUNTY:  
COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT. FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL, AS AMENDED. IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTOR'S DISCRETION.

COUNTY ENGINEER/ECM ADMINISTRATOR      DATE

MAP OF THE  
MEADOW LAKE AIRPORT  
EL PASO COUNTY, CO



CITY: PEYTON  
COUNTY: EL PASO

PROJECT LOCATION



EROSION CONTROL SHEET INDEX

| SHEET NUMBER | SHEET TITLE                                |
|--------------|--------------------------------------------|
| C2.00        | GEC TITLE SHEET                            |
| C2.01        | EROSION CONTROL PLAN - PRE-CONSTRUCTION    |
| C2.02        | EROSION CONTROL PLAN - DURING CONSTRUCTION |
| C2.03        | EROSION CONTROL PLAN - POST-CONSTRUCTION   |
| C2.04        | EROSION CONTROL DETAILS                    |
| C2.05        | EROSION CONTROL DETAILS                    |
| C2.06        | EROSION CONTROL DETAILS                    |
| C2.07        | EROSION CONTROL DETAILS                    |

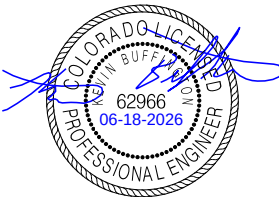
ENGINEER'S STATEMENT (FOR GEC PLAN WITHIN CONSTRUCTION DRAWING SET):  
THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

ENGINEER OF RECORD SIGNATURE      06/18/2026  
DATE

OWNER'S STATEMENT (FOR GEC PLAN WITHIN CONSTRUCTION DRAWING SET):  
I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN AND ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

OWNER SIGNATURE      DATE

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF COLORADO.



\*DISCLAIMER: THIS PLAN SET IS INTENDED TO BE PRINTED IN COLOR. IF USER DOES NOT PRINT IN COLOR THEY ASSUME ALL ASSOCIATED RISKS.



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| MGT              |     |             |      |
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| GTJ              |     |             |      |
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MEADOW LAKE AIRPORT  
TRANSIENT APRON RECONSTRUCTION  
EROSION CONTROL TITLE SHEET

SHEET  
C2.00



GEC Checklist Item K - add a note about condition and % coverage of the existing vegetation.

GEC Checklist Item O - add a note about general cut/fill requirements for this site. Like amount of each and/or that the site doesn't need much of either.

NOTES:

- 1. REMOVAL OF CONTROL MEASURES SHALL NOT OCCUR WITHOUT THE APPROVAL OF THE STORMWATER INSPECTOR.
- 2. ALL PAVED SURFACES MUST REMAIN FREE OF ALL SEDIMENT. ADDITIONAL SWEEPING MAY BE REQUIRED AT THE DISCRETION OF THE STORMWATER INSPECTOR.
- 3. ANY DEFICIENT CONTROL MEASURES SHALL BE REPORTED TO THE SWMP ADMINISTRATOR FOR CONSTRUCTION. THE SWMP ADMINISTRATOR FOR CONSTRUCTION IS RESPONSIBLE FOR ADDRESSING EACH FINDING BY THE END OF THE NEXT BUSINESS DAY.

write out what RRB and RRC stands for.

LEGEND

- (CWA) CONCRETE WASH AREA
- (CM) CONSTRUCTION MARKERS
- (CF) CONSTRUCTION FENCE
- (ECB) EROSION CONTROL BLANKETS
- (IP) INLET PROTECTION
- (RRB) RRB FOR CULVERT PROTECTION
- (SB) SEDIMENT BASIN
- (SCL) SEDIMENT CONTROL LOG
- (ST) SEDIMENT TRAP
- (SM) SEEDING AND MULCHING
- (SF) SILT FENCE
- (SSA) STABILIZED STAGING AREA
- (VTC) VEHICLE TRACKING CONTROL
- (LOC) LIMITS OF CONSTRUCTION
- FLOW ARROW
- XXXX EXISTING CONTOUR
- XXXX PROPOSED CONTOUR

GEC Checklist Items H and M (old checklist) and Item L (new checklist). If "limits of disturbance" and "construction boundary" are the same, change to "limits of construction/disturbance" or otherwise show as separate line types for each on the legend and figure.

Add these to all 3 GEC plan drawings



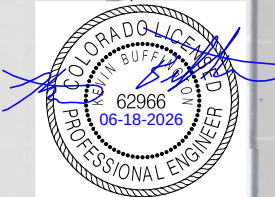
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MEADOW LAKE AIRPORT  
TRANSIENT APRON RECONSTRUCTION  
EROSION CONTROL PLAN - PRE-CONSTRUCTION

SHEET

C2.01





label Judge Orr Rd

show property line

Please clarify this callout. It is pointing to a box, not a line. Preference to make the phasing line a much thicker and colorful line to really show the delineation of the phases.

Also clarify the names of the phases across all docs for consistency. Is it Phase 1 and Phase 2?

What happens here where the pan terminates at the pond? I see a box on this plan but no detail anywhere to explain what that box represents. Is it a forebay? Area inlet?

Label as a TSB on this during construction plan. You have already accounted for a TSB on the FAE Form. See my note at the bottom of this page about TSBs.

Label detention pond appropriately. See my associated comment on PDF page 9 of the FDR.

We really need a sheet that is just a zoomed in version of the pond in plan view. That is pretty standard in all CDs with a pond. You can have some pond details on the same sheet if they will fit. But we aren't getting all the pond detail we need from this scale in plan view, like callouts pointing to inflows, outlet structure, and the spillway.

show outlet pipe

For TSBs:  
Provide details of temporary sediment basin including riser pipe diameter and perforation sizing, number of rows of holes, required volume, location of outlet pipe and spillway, and tributary area to the sediment basin. And provide contours for sediment basin.

NOTES:

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LEGEND

- |  |      |                            |
|--|------|----------------------------|
|  | CWA  | CONCRETE WASH AREA         |
|  | CM   | CONSTRUCTION MARKERS       |
|  | CF   | CONSTRUCTION FENCE         |
|  | ECB  | EROSION CONTROL BLANKETS   |
|  | IP   | INLET PROTECTION           |
|  | RRB  | RRB FOR CULVERT PROTECTION |
|  | SB   | SEDIMENT BASIN             |
|  | SCL  | SEDIMENT CONTROL LOG       |
|  | ST   | SEDIMENT TRAP              |
|  | SM   | SEEDING AND MULCHING       |
|  | SF   | SILT FENCE                 |
|  | SSA  | STABILIZED STAGING AREA    |
|  | VTC  | VEHICLE TRACKING CONTROL   |
|  | LOC  | LIMITS OF CONSTRUCTION     |
|  |      | FLOW ARROW                 |
|  | XXXX | EXISTING CONTOUR           |
|  | XXXX | PROPOSED CONTOUR           |

0 40 80  
HORIZ. SCALE FEET

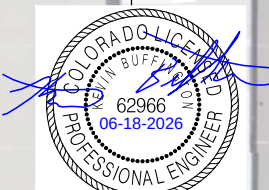


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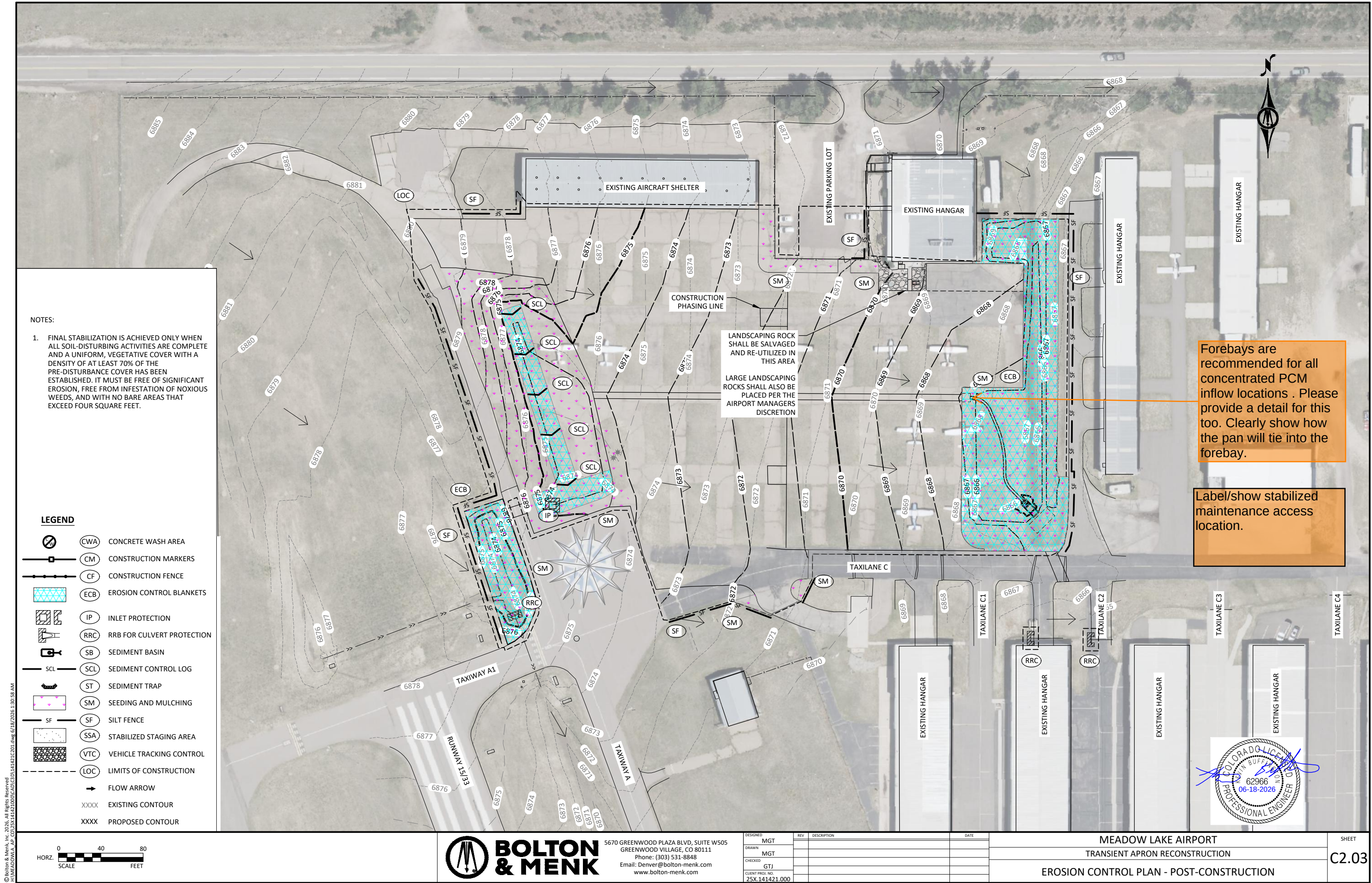
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MEADOW LAKE AIRPORT  
TRANSIENT APRON RECONSTRUCTION  
EROSION CONTROL PLAN - DURING CONSTRUCTION

SHEET  
C2.02







NOTES:

1. FINAL STABILIZATION IS ACHIEVED ONLY WHEN ALL SOIL-DISTURBING ACTIVITIES ARE COMPLETE AND A UNIFORM, VEGETATIVE COVER WITH A DENSITY OF AT LEAST 70% OF THE PRE-DISTURBANCE COVER HAS BEEN ESTABLISHED. IT MUST BE FREE OF SIGNIFICANT EROSION, FREE FROM INFESTATION OF NOXIOUS WEEDS, AND WITH NO BARE AREAS THAT EXCEED FOUR SQUARE FEET.

LEGEND

- (CWA) CONCRETE WASH AREA
- (CM) CONSTRUCTION MARKERS
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- (ECB) EROSION CONTROL BLANKETS
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- (LOC) LIMITS OF CONSTRUCTION
- FLOW ARROW
- XXXX EXISTING CONTOUR
- XXXX PROPOSED CONTOUR

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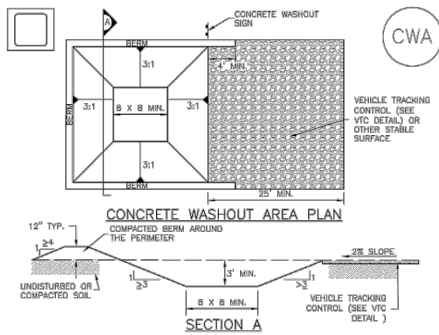
MEADOW LAKE AIRPORT  
TRANSIENT APRON RECONSTRUCTION  
EROSION CONTROL PLAN - POST-CONSTRUCTION

SHEET  
C2.03





Concrete Washout Area (CWA) MM-1



CWA-1. CONCRETE WASHOUT AREA

- CWA INSTALLATION NOTES**
1. SEE PLAN VIEW FOR CWA INSTALLATION LOCATION.
  2. DO NOT LOCATE AN UNLINED CWA WITHIN 400' OF ANY NATURAL DRAINAGE PATHWAY OR WATERBODY. DO NOT LOCATE WITHIN 1,000' OF ANY WELLS OR DRINKING WATER SOURCES. IF SITE CONSTRAINTS MAKE THIS INFERABLE, OR IF HIGHLY PERMEABLE SOILS EXIST ON SITE, THE CWA MUST BE INSTALLED WITH AN IMPERMEABLE LINER (16 MIL MIN. THICKNESS) OR SURFACE STORAGE ALTERNATIVES USING PREFABRICATED CONCRETE WASHOUT DEVICES OR A LINED ABOVE GROUND STORAGE ARE SHOULD BE USED.
  3. THE CWA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
  4. CWA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8' BY 8' SLOPES LEADING OUT OF THE SUBSURFACE PIT SHALL BE 3:1 OR FLATTER. THE PIT SHALL BE AT LEAST 3' DEEP.
  5. BERM SURROUNDING SIDES AND BACK OF THE CWA SHALL HAVE MINIMUM HEIGHT OF 1'.
  6. VEHICLE TRACKING PAD SHALL BE SLOPED 2% TOWARDS THE CWA.
  7. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CWA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CWA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
  8. USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.

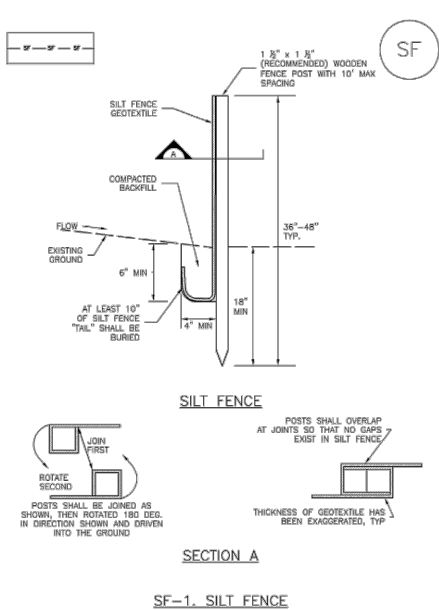
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 CWA-3

Concrete Washout Area (CWA) MM-1

- CWA MAINTENANCE NOTES**
1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
  2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
  3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
  4. THE CWA SHALL BE REPAIRED, CLEANED, OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR CONCRETE WASTE. CONCRETE MATERIALS ACCUMULATED IN PIT SHALL BE REMOVED ONCE THE MATERIALS HAVE REACHED A DEPTH OF 2'.
  5. CONCRETE WASHOUT WATER, WASTED PIECES OF CONCRETE AND ALL OTHER DEBRIS IN THE SUBSURFACE PIT SHALL BE TRANSPORTED FROM THE JOB SITE IN A WATER-TIGHT CONTAINER AND DISPOSED OF PROPERLY.
  6. THE CWA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
  7. WHEN THE CWA IS REMOVED, COVER THE DISTURBED AREA WITH TOP SOIL, SEED AND MULCH OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.
- (DETAIL ADAPTED FROM DOUGLAS COUNTY, COLORADO AND THE CITY OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

CWA-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

Silt Fence (SF) SC-1



SF-1. SILT FENCE

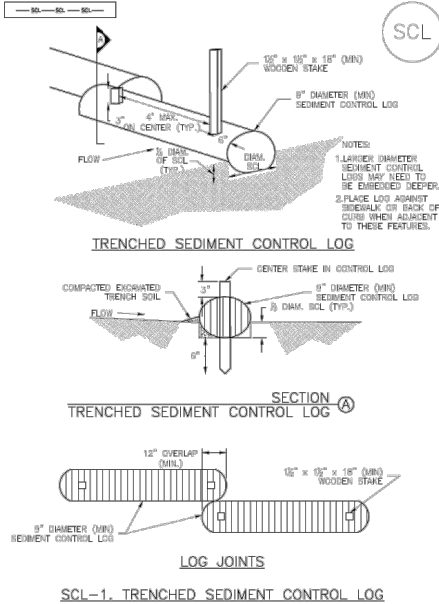
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SF-3

Silt Fence (SF) SC-1

- SILT FENCE INSTALLATION NOTES**
1. SILT FENCE MUST BE PLACED AWAY FROM THE TOE OF THE SLOPE TO ALLOW FOR WATER PONDING. SILT FENCE AT THE TOE OF A SLOPE SHOULD BE INSTALLED IN A FLAT LOCATION AT LEAST SEVERAL FEET (2-3 FT) FROM THE TOE OF THE SLOPE TO ALLOW ROOM FOR PONDING AND DEPOSITION.
  2. A UNIFORM 6" X 4" ANCHOR TRENCH SHALL BE EXCAVATED USING TRENCHER OR SILT FENCE INSTALLATION DEVICE. NO ROAD GRADERS, BACKHOES, OR SIMILAR EQUIPMENT SHALL BE USED.
  3. COMPACT ANCHOR TRENCH BY HAND WITH A "JUMPING JACK" OR BY WHEEL ROLLING. COMPACTION SHALL BE SUCH THAT SILT FENCE RESISTS BEING PULLED OUT OF ANCHOR TRENCH BY HAND.
  4. SILT FENCE SHALL BE PULLED TIGHT AS IT IS ANCHORED TO THE STAKES. THERE SHOULD BE NO NOTICEABLE BAG BETWEEN STAKES AFTER IT HAS BEEN ANCHORED TO THE STAKES.
  5. SILT FENCE FABRIC SHALL BE ANCHORED TO THE STAKES USING 1" HEAVY DUTY STAPLES OR NAILS WITH 1" HEADS. STAPLES AND NAILS SHOULD BE PLACED 3" ALONG THE FABRIC DOWN THE STAKE.
  6. AT THE END OF A RUN OF SILT FENCE ALONG A CONTOUR, THE SILT FENCE SHOULD BE TURNED PERPENDICULAR TO THE CONTOUR TO CREATE A "J-HOOK." THE "J-HOOK" EXTENDING PERPENDICULAR TO THE CONTOUR SHOULD BE OF SUFFICIENT LENGTH TO KEEP RUNOFF FROM FLOWING AROUND THE END OF THE SILT FENCE (TYPICALLY 10' - 20').
  7. SILT FENCE SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
- SILT FENCE MAINTENANCE NOTES**
1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
  2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
  3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
  4. SEDIMENT ACCUMULATED UPSTREAM OF THE SILT FENCE SHALL BE REMOVED AS NEEDED TO MAINTAIN THE FUNCTIONALITY OF THE BMP. TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 6".
  5. REPAIR OR REPLACE SILT FENCE WHEN THERE ARE SIGNS OF WEAR, SUCH AS SAGGING, TEARING, OR COLLAPSE.
  6. SILT FENCE IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION, OR IS REPLACED BY AN EQUIVALENT PERIMETER SEDIMENT CONTROL BMP.
  7. WHEN SILT FENCE IS REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEED, AND MULCH OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.
- (DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO AND CITY OF AURORA, NOT AVAILABLE IN AUTOCAD)
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

SF-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

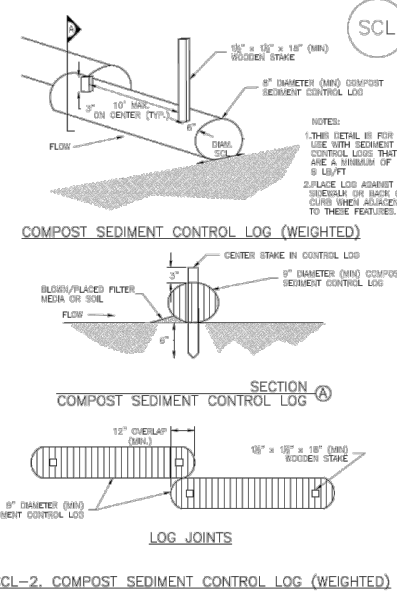
Sediment Control Log (SCL) SC-2



SCL-1. TRENCHED SEDIMENT CONTROL LOG

November 2015 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SCL-3

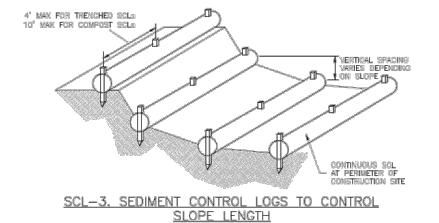
Sediment Control Log (SCL) SC-2



SCL-2. COMPOST SEDIMENT CONTROL LOG (WEIGHTED)

SCL-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2015

Sediment Control Log (SCL) SC-2



SCL-3. SEDIMENT CONTROL LOGS TO CONTROL SLOPE LENGTH

November 2015 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SCL-5

Sediment Control Log (SCL) SC-2

- SEDIMENT CONTROL LOG INSTALLATION NOTES**
1. SEE PLAN VIEW FOR LOCATION AND LENGTH OF SEDIMENT CONTROL LOGS.
  2. SEDIMENT CONTROL LOGS THAT ACT AS A PERIMETER CONTROL SHALL BE INSTALLED PRIOR TO ANY UPGRADE/REPAIR LAND-DISTURBING ACTIVITIES.
  3. SEDIMENT CONTROL LOGS SHALL CONSIST OF STRAW, COMPOST, EXCELISOR OR COCONUT FIBER, AND SHALL BE FREE OF ANY NOXIOUS WEED SEEDS OR DEFECTS INCLUDING RIPS, HOLES AND CRACKS WEAR.
  4. SEDIMENT CONTROL LOGS MAY BE USED AS SMALL CHECK DAMS IN DITCHES AND SNALES. HOWEVER, THEY SHOULD NOT BE USED IN PERENNIAL STREAMS.
  5. IT IS RECOMMENDED THAT SEDIMENT CONTROL LOGS BE TRENCHED INTO THE GROUND TO A DEPTH OF APPROXIMATELY 1/3 OF THE DIAMETER OF THE LOG. IF TRENCHING TO THIS DEPTH IS NOT FEASIBLE AND/OR DESIRABLE (SHORT TERM INSTALLATION WITH DESIRE NOT TO DAMAGE LANDSCAPE) A LESSER TRENCHING DEPTH MAY BE ACCEPTABLE WITH MORE ROBUST STAKING. COMPOST LOGS THAT ARE 8 LB/FT DO NOT NEED TO BE TRENCHED.
  6. THE UPWIND SIDE OF THE SEDIMENT CONTROL LOG SHALL BE BACKFILLED WITH SOIL OR FILTER MATERIAL THAT IS FREE OF ROCKS AND DEBRIS. THE SOIL SHALL BE TIGHTLY COMPACTED INTO THE SHAPE OF A RIGHT TRIANGLE USING A SHOVEL OR WEIGHTED LAWN ROLLER OR BLOWN IN PLACE.
  7. FOLLOW MANUFACTURERS' GUIDANCE FOR STAKING. IF MANUFACTURERS' INSTRUCTIONS DO NOT SPECIFY STAKING, STAKES SHALL BE PLACED ON 4' CENTERS AND EXCEEDED A MINIMUM OF 6" INTO THE GROUND. 3" OF THE STAKE SHALL PROTRUDE FROM THE TOP OF THE LOG. STAKES THAT ARE BROKEN PRIOR TO INSTALLATION SHALL BE REPLACED. COMPOST LOGS SHOULD BE STAKED 10' ON CENTER.
- SEDIMENT CONTROL LOG MAINTENANCE NOTES**
1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
  2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
  3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
  4. SEDIMENT ACCUMULATED UPSTREAM OF SEDIMENT CONTROL LOG SHALL BE REMOVED AS NEEDED TO MAINTAIN FUNCTIONALITY OF THE BMP. TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 1/3 OF THE HEIGHT OF THE SEDIMENT CONTROL LOG.
  5. SEDIMENT CONTROL LOG SHALL BE REMOVED AT THE END OF CONSTRUCTION. COMPOST FROM COMPOST LOGS MAY BE LEFT IN PLACE AS LONG AS BAGS ARE REMOVED AND THE AREA SEED, SEED, AND MULCH OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.
- (DETAILS ADAPTED FROM TOWN OF PARKER, COLORADO, JEFFERSON COUNTY, COLORADO, DOUGLAS COUNTY, COLORADO, AND CITY OF AURORA, COLORADO, NOT AVAILABLE IN AUTOCAD)
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

SCL-6 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual V November 2010



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MEADOW LAKE AIRPORT  
TRANSIENT APRON RECONSTRUCTION  
EROSION CONTROL DETAILS

SHEET

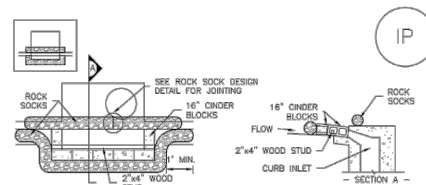
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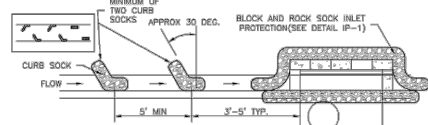
SC-6 Inlet Protection (IP)



IP-1. BLOCK AND ROCK SOCK SUMP OR ON GRADE INLET PROTECTION

BLOCK AND ROCK SOCK INLET PROTECTION INSTALLATION NOTES

1. SEE ROCK SOCK DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.
2. CONCRETE "CHERRY" BLOCKS SHALL BE LAID ON THEIR SIDES AROUND THE INLET IN A SINGLE ROW, ABUTTING ONE ANOTHER WITH THE OPEN END FACING AWAY FROM THE CURB.
3. GRAVEL BAGS SHALL BE PLACED AROUND CONCRETE BLOCKS, CLOSELY ABUTTING ONE ANOTHER AND JOINTED TOGETHER IN ACCORDANCE WITH ROCK SOCK DESIGN DETAIL.



IP-2. CURB ROCK SOCKS UPSTREAM OF INLET PROTECTION

CURB ROCK SOCK INLET PROTECTION INSTALLATION NOTES

1. SEE ROCK SOCK DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.
2. PLACEMENT OF THE SOCK SHALL BE APPROXIMATELY 30 DEGREES FROM PERPENDICULAR IN THE OPPOSITE DIRECTION OF FLOW.
3. SOCKS ARE TO BE FLUSH WITH THE CURB AND SPACED A MINIMUM OF 5 FEET APART.
4. AT LEAST TWO CURB SOCKS IN SERIES ARE REQUIRED UPSTREAM OF ON-GRADE INLETS.

IP-4

Are you intending to install a TSB? You technically need one since the proposed disturbance is >1ac, but not sure where you will daylight the outlet pipe, especially since you didn't yet show the permanent pond's outlet pipe on the plans, I don't where you plan to daylight/tie-in that. So I'll be able to comment on the TSB more with the next review.

SC-6

GENERAL INLET PROTECTION INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
  - LOCATION OF INLET PROTECTION.
  - TYPE OF INLET PROTECTION (IP-1, IP-2, IP-3, IP-4, IP-5, IP-6)
2. INLET PROTECTION SHALL BE INSTALLED PROMPTLY AFTER INLET CONSTRUCTION OR PAVING IS COMPLETE (TYPICALLY WITHIN 48 HOURS). IF A RAINFALL/RUNOFF EVENT IS FORECAST, INSTALL INLET PROTECTION PRIOR TO ONSET OF EVENT.

3. MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDPCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

INLET PROTECTION MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. SEDIMENT ACCUMULATED UPSTREAM OF INLET PROTECTION SHALL BE REMOVED AS NECESSARY TO MAINTAIN BMP EFFECTIVENESS, TYPICALLY WHEN STORAGE VOLUME REACHES 50% OF CAPACITY. A DEPTH OF 6" WHEN SILT FENCE IS USED, OR 1/4 OF THE HEIGHT FOR STRAW BALES.

5. INLET PROTECTION IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS PERMANENTLY STABILIZED, UNLESS THE LOCAL JURISDICTION APPROVES EARLIER REMOVAL OF INLET PROTECTION IN STREETS.
6. WHEN INLET PROTECTION AT AREA INLETS IS REMOVED, THE DISTURBED AREA SHALL BE COVERED WITH TOP SOIL, SEEDED AND MULCHED, OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

(DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO AND CITY OF AURORA, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDPCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

NOTE: THE DETAILS INCLUDED WITH THIS FACT SHEET SHOW COMMONLY USED, CONVENTIONAL METHODS OF INLET PROTECTION IN THE DENVER METROPOLITAN AREA. THERE ARE MANY PROPRIETARY INLET PROTECTION METHODS ON THE MARKET. UDPCD NEITHER ENDORSES NOR DISCOURAGES USE OF PROPRIETARY INLET PROTECTION; HOWEVER, IN THE EVENT PROPRIETARY METHODS ARE USED, THE APPROPRIATE DETAIL FROM THE MANUFACTURER MUST BE INCLUDED IN THE SWMP AND THE BMP MUST BE INSTALLED AND MAINTAINED AS SHOWN IN THE MANUFACTURER'S DETAILS.

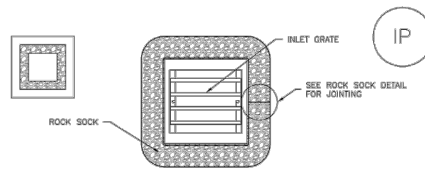
NOTE: SOME MUNICIPALITIES DISCOURAGE OR PROHIBIT THE USE OF STRAW BALES FOR INLET PROTECTION. CHECK WITH LOCAL JURISDICTION TO DETERMINE IF STRAW BALE INLET PROTECTION IS ACCEPTABLE.

IP-8

Urban Drainage and Flood Control District  
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August 2013

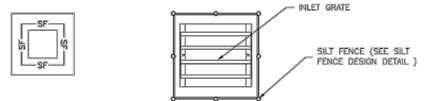
Inlet Protection (IP) SC-6



IP-3. ROCK SOCK SUMP/AREA INLET PROTECTION

ROCK SOCK SUMP/AREA INLET PROTECTION INSTALLATION NOTES

1. SEE ROCK SOCK DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.
2. STRAW WATTLES/SEDIMENT CONTROL LOGS MAY BE USED IN PLACE OF ROCK SOCKS FOR INLETS IN PERVIOUS AREAS. INSTALL PER SEDIMENT CONTROL LOG DETAIL.



IP-4. SILT FENCE FOR SUMP INLET PROTECTION

SILT FENCE INLET PROTECTION INSTALLATION NOTES

1. SEE SILT FENCE DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.
2. POSTS SHALL BE PLACED AT EACH CORNER OF THE INLET AND AROUND THE EDGES AT A MAXIMUM SPACING OF 3 FEET.
3. STRAW WATTLES/SEDIMENT CONTROL LOGS MAY BE USED IN PLACE OF SILT FENCE FOR INLETS IN PERVIOUS AREAS. INSTALL PER SEDIMENT CONTROL LOG DETAIL.

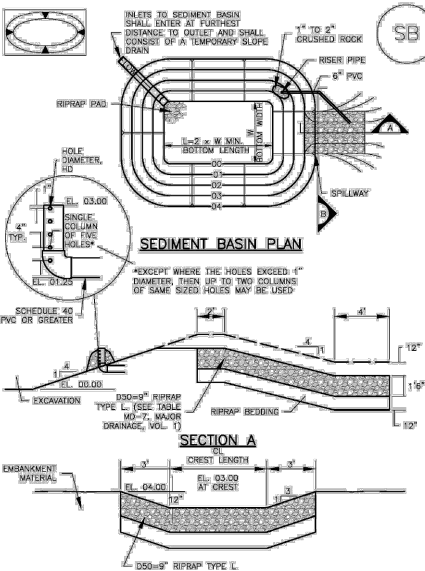
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Urban Storm Drainage Criteria Manual Volume 3

IP-5

Sediment Basin (SB)

SC-7

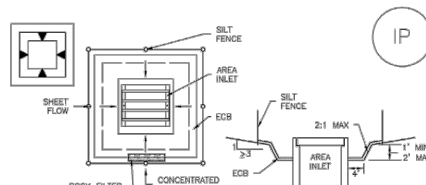


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SC-6 Inlet Protection (IP)



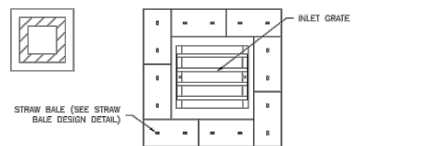
IP-5. OVEREXCAVATION INLET PROTECTION

OVEREXCAVATION INLET PROTECTION INSTALLATION NOTES

1. THIS FORM OF INLET PROTECTION IS PRIMARILY APPLICABLE FOR SITES THAT HAVE NOT YET REACHED FINAL GRADE AND SHOULD BE USED ONLY FOR INLETS WITH A RELATIVELY SMALL CONTRIBUTING DRAINAGE AREA.

2. WHEN USING FOR CONCENTRATED FLOWS, SHAPE BASIN IN 2:1 RATIO WITH LENGTH ORIENTED TOWARDS DIRECTION OF FLOW.

3. SEDIMENT MUST BE PERIODICALLY REMOVED FROM THE OVEREXCAVATED AREA.



IP-6. STRAW BALE FOR SUMP INLET PROTECTION

STRAW BALE BARRIER INLET PROTECTION INSTALLATION NOTES

1. SEE STRAW BALE DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.
2. BALES SHALL BE PLACED IN A SINGLE ROW AROUND THE INLET WITH ENDS OF BALES TIGHTLY ABUTTING ONE ANOTHER.

IP-6

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SC-7

Sediment Basin (SB)

| TABLE SB-1. SIZING INFORMATION FOR STANDARD SEDIMENT BASIN |                              |                                  |                          |  |
|------------------------------------------------------------|------------------------------|----------------------------------|--------------------------|--|
| Upstream Drainage Area (rounded to nearest acre), (ac)     | Basin Bottom Width (W), (ft) | Spillway Crest Length (CL), (ft) | Hole Diameter (HD), (in) |  |
| 1                                                          | 12 1/2                       | 2                                | 9 1/2                    |  |
| 2                                                          | 21                           | 3                                | 12 1/2                   |  |
| 3                                                          | 29                           | 4                                | 15                       |  |
| 4                                                          | 33 1/2                       | 5                                | 16 1/2                   |  |
| 5                                                          | 38 1/2                       | 6                                | 18                       |  |
| 6                                                          | 43                           | 7                                | 19 1/2                   |  |
| 7                                                          | 47 1/2                       | 8                                | 21                       |  |
| 8                                                          | 51                           | 9                                | 22 1/2                   |  |
| 9                                                          | 55 1/2                       | 10                               | 24                       |  |
| 10                                                         | 59 1/2                       | 11                               | 25 1/2                   |  |
| 11                                                         | 61                           | 12                               | 26 1/2                   |  |
| 12                                                         | 64                           | 13                               | 28                       |  |
| 13                                                         | 67 1/2                       | 14                               | 29 1/2                   |  |
| 14                                                         | 70 1/2                       | 15                               | 31                       |  |
| 15                                                         | 73 1/2                       | 16                               | 32 1/2                   |  |

SEDIMENT BASIN INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
  - LOCATION OF SEDIMENT BASIN.
  - TYPE OF BASIN (STANDARD BASIN OR NONSTANDARD BASIN).
  - FOR STANDARD BASIN, BOTTOM WIDTH W, CREST LENGTH CL, AND HOLE DIAMETER, HD.
  - FOR NONSTANDARD BASIN, SEE CONSTRUCTION DRAWINGS FOR DESIGN OF BASIN INCLUDING RISSER HEIGHT H, NUMBER OF COLLARS N, HOLE DIAMETER HD AND PIPE DIAMETER D.
2. FOR STANDARD BASIN, BOTTOM DIMENSION MAY BE MODIFIED AS LONG AS BOTTOM AREA IS NOT REDUCED.

3. SEDIMENT BASINS SHALL BE INSTALLED PRIOR TO ANY OTHER LAND-DISTURBING ACTIVITY THAT RELIES ON OR BURNS AS A STORMWATER CONTROL.

4. EMBANKMENT MATERIAL SHALL CONSIST OF SOIL FREE OF DEBRIS, ORGANIC MATERIAL, AND ROCKS OR CONCRETE GREATER THAN 3 INCHES AND SHALL HAVE A MINIMUM OF 15 PERCENT BY WEIGHT PASSING THE NO. 200 SIEVE.

5. EMBANKMENT MATERIAL SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D698.

6. PIPE SCH 40 OR GREATER SHALL BE USED.

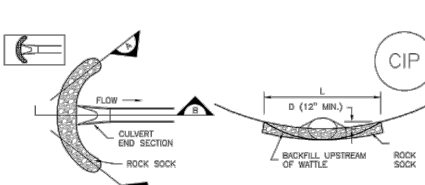
7. THE DETAILS SHOWN ON THESE SHEETS PERTAIN TO STANDARD SEDIMENT BASIN(S) FOR DRAINAGE AREAS LESS THAN 15 ACRES. SEE CONSTRUCTION DRAWINGS FOR EMBANKMENT, STORAGE VOLUME, SPILLWAY, OUTLET, AND OUTLET PROTECTION DETAILS FOR ANY SEDIMENT BASIN(S) THAT HAVE BEEN INDIVIDUALLY DESIGNED FOR DRAINAGE AREAS LARGER THAN 15 ACRES.

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Inlet Protection (IP) SC-6



CIP-1. CULVERT INLET PROTECTION

CULVERT INLET PROTECTION INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
  - LOCATION OF CULVERT INLET PROTECTION.
2. SEE ROCK SOCK DESIGN DETAIL FOR ROCK GRADATION REQUIREMENTS AND JOINTING DETAIL.

CULVERT INLET PROTECTION MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. SEDIMENT ACCUMULATED UPSTREAM OF THE CULVERT SHALL BE REMOVED WHEN THE SEDIMENT DEPTH IS 1/2 THE HEIGHT OF THE ROCK SOCK.

5. CULVERT INLET PROTECTION SHALL REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS PERMANENTLY STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.

(DETAILS ADAPTED FROM AURORA, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDPCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

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IP-7

Sediment Basin (SB)

SC-7

SEDIMENT BASIN MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. SEDIMENT ACCUMULATED IN BASIN SHALL BE REMOVED AS NEEDED TO MAINTAIN BMP EFFECTIVENESS, TYPICALLY WHEN SEDIMENT DEPTH REACHES ONE FOOT (I.E., TWO FEET BELOW THE SPILLWAY CREST).

5. SEDIMENT BASINS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND GRASS COVER IS ACCEPTED BY THE LOCAL JURISDICTION.

6. WHEN SEDIMENT BASINS ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED, OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDPCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

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Urban Drainage and Flood Control District  
Urban Storm Drainage Criteria Manual V



MEADOW LAKE AIRPORT  
TRANSIENT APRON RECONSTRUCTION  
EROSION CONTROL DETAILS

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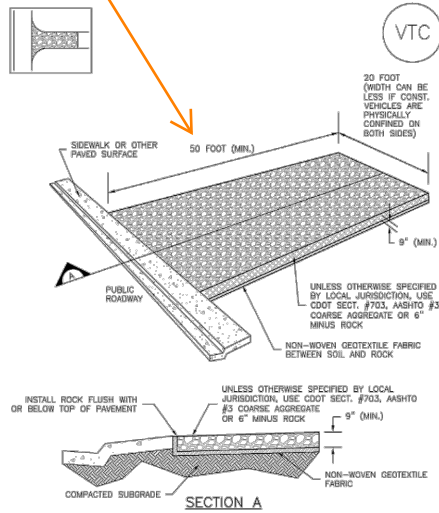
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| DESIGNED         | MGT            | REV | DESCRIPTION | DATE |
|------------------|----------------|-----|-------------|------|
| DRAWN            | MGT            |     |             |      |
| CHECKED          | GTJ            |     |             |      |
| CLIENT PROJ. NO. | 25X.141421.000 |     |             |      |



VTC Detail: Replace with EPC approved VTC detail (VT-1 and VT-2 in DCMv2, Chap 3.3) or revise to be 75ft min length.

Vehicle Tracking Control (VTC) SM-4



VTC-1. AGGREGATE VEHICLE TRACKING CONTROL

November 2010 Urban Drainage and Flood Control District  
Urban Storm Drainage Criteria Manual Volume 3 VTC-3

Temporary and Permanent Seeding (TS/PS) EC-2

Seeding dates for the highest success probability of perennial species along the Front Range are generally in the spring from April through early May and in the fall after the first of September until the ground freezes. If the area is irrigated, seeding may occur in summer months, as well. See Table TS/PS-3 for appropriate seeding dates.

Table TS/PS-1. Minimum Drill Seeding Rates for Various Temporary Annual Grasses

| Species*<br>(Common name)                                                                                                                                                                                                                                                                            | Growth<br>Season* | Pounds of<br>Pure Live Seed<br>(PLS)/acre | Planting<br>Depth<br>(inches) |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------------------|-------------------------------|
| 1. Oats                                                                                                                                                                                                                                                                                              | Cool              | 35 - 50                                   | 1 - 2                         |
| 2. Spring wheat                                                                                                                                                                                                                                                                                      | Cool              | 25 - 35                                   | 1 - 2                         |
| 3. Spring barley                                                                                                                                                                                                                                                                                     | Cool              | 25 - 35                                   | 1 - 2                         |
| 4. Annual ryegrass                                                                                                                                                                                                                                                                                   | Cool              | 10 - 15                                   | ½                             |
| 5. Millet                                                                                                                                                                                                                                                                                            | Warm              | 3 - 15                                    | ½ - ¾                         |
| 6. Sudangrass                                                                                                                                                                                                                                                                                        | Warm              | 5 - 10                                    | ½ - ¾                         |
| 7. Sorghum                                                                                                                                                                                                                                                                                           | Warm              | 5 - 10                                    | ½ - ¾                         |
| 8. Winter wheat                                                                                                                                                                                                                                                                                      | Cool              | 20 - 35                                   | 1 - 2                         |
| 9. Winter barley                                                                                                                                                                                                                                                                                     | Cool              | 20 - 35                                   | 1 - 2                         |
| 10. Winter rye                                                                                                                                                                                                                                                                                       | Cool              | 20 - 35                                   | 1 - 2                         |
| 11. Triticale                                                                                                                                                                                                                                                                                        | Cool              | 25 - 40                                   | 1 - 2                         |
| * Successful seeding of annual grass resulting in adequate plant growth will usually produce enough dead-plant residue to provide protection from wind and water erosion for an additional year. This assumes that the cover is not disturbed or mowed closer than 8 inches.                         |                   |                                           |                               |
| Hydraulic seeding may be substituted for drilling only where slopes are steeper than 3:1 or where access limitations exist. When hydraulic seeding is used, hydraulic mulching should be applied as a separate operation, when practical, to prevent the seeds from being encapsulated in the mulch. |                   |                                           |                               |
| b See Table TS/PS-3 for seeding dates. Irrigation, if consistently applied, may extend the use of cool season species during the summer months.                                                                                                                                                      |                   |                                           |                               |
| c Seeding rates should be doubled if seed is broadcast, or increased by 50 percent if done using a Brillion Drill or by hydraulic seeding.                                                                                                                                                           |                   |                                           |                               |

June 2012 Urban Drainage and Flood Control District  
Urban Storm Drainage Criteria Manual Volume 3 TS/PS-3

SM-4 Vehicle Tracking Control (VTC)

STABILIZED CONSTRUCTION ENTRANCE/EXIT INSTALLATION NOTES

1. SEE PLAN VIEW FOR  
-LOCATION OF CONSTRUCTION ENTRANCE(S)/EXIT(S).  
-TYPE OF CONSTRUCTION ENTRANCE(S)/EXIT(S) (WITH/WITHOUT WHEEL WASH, CONSTRUCTION MAT OR TRM).
2. CONSTRUCTION MAT OR TRM STABILIZED CONSTRUCTION ENTRANCES ARE ONLY TO BE USED ON SHORT DURATION PROJECTS (TYPICALLY RANGING FROM A WEEK TO A MONTH) WHERE THERE WILL BE LIMITED VEHICULAR ACCESS.
3. A STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE LOCATED AT ALL ACCESS POINTS WHERE VEHICLES ACCESS THE CONSTRUCTION SITE FROM PAVED RIGHT-OF-WAYS.
4. STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
5. A NON-WOVEN GEOTEXTILE FABRIC SHALL BE PLACED UNDER THE STABILIZED CONSTRUCTION ENTRANCE/EXIT PRIOR TO THE PLACEMENT OF ROCK.
6. UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, AASHTO #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.

STABILIZED CONSTRUCTION ENTRANCE/EXIT MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY TO THE STABILIZED ENTRANCE/EXIT TO MAINTAIN A CONSISTENT DEPTH.
5. SEDIMENT TRACKED ONTO PAVED ROADS IS TO BE REMOVED THROUGHOUT THE DAY AND AT THE END OF THE DAY BY SHOVELING OR SWEEPING. SEDIMENT MAY NOT BE WASHED DOWN STORM SEWER DRAINS.

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM USPOD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAILS ADAPTED FROM CITY OF BROOMFIELD, COLORADO, NOT AVAILABLE IN AUTOCAD)

VTC-6 Urban Drainage and Flood Control District  
Urban Storm Drainage Criteria Manual Volume 3 November 2010

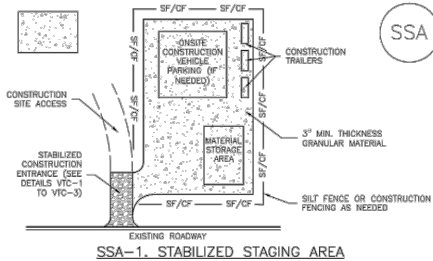
EC-2 Temporary and Permanent Seeding (TS/PS)

Table TS/PS-2. Minimum Drill Seeding Rates for Perennial Grasses

| Common <sup>a</sup><br>Name                 | Botanical<br>Name                     | Growth<br>Season <sup>a</sup> | Growth<br>Form | Seeds/<br>Pound | Pounds of<br>PLS/acre |
|---------------------------------------------|---------------------------------------|-------------------------------|----------------|-----------------|-----------------------|
| <b>Alkalali Soil Seed Mix</b>               |                                       |                               |                |                 |                       |
| Alkali sacaton                              | <i>Sporobolus airoides</i>            | Cool                          | Bunch          | 1,750,000       | 0.25                  |
| Basin wildrye                               | <i>Elymus cinereus</i>                | Cool                          | Bunch          | 165,000         | 2.5                   |
| Sodier streambank wheatgrass                | <i>Agropyron riparium 'Sodier'</i>    | Cool                          | Sod            | 170,000         | 2.5                   |
| Jose tall wheatgrass                        | <i>Agropyron elongatum 'Jose'</i>     | Cool                          | Bunch          | 79,000          | 7.0                   |
| Ariha western wheatgrass                    | <i>Agropyron smithii 'Ariha'</i>      | Cool                          | Sod            | 110,000         | 5.5                   |
| <b>Total</b>                                |                                       |                               |                |                 | <b>17.75</b>          |
| <b>Fertile Loamy Soil Seed Mix</b>          |                                       |                               |                |                 |                       |
| Ephrium crested wheatgrass                  | <i>Agropyron cristatum 'Ephrium'</i>  | Cool                          | Sod            | 175,000         | 2.0                   |
| Dural land fescue                           | <i>Festuca ovina 'duraculula'</i>     | Cool                          | Bunch          | 565,000         | 1.0                   |
| Lincoln smooth brome                        | <i>Bromus inermis layns 'Lincoln'</i> | Cool                          | Sod            | 130,000         | 3.0                   |
| Sodier streambank wheatgrass                | <i>Agropyron riparium 'Sodier'</i>    | Cool                          | Sod            | 170,000         | 2.5                   |
| Ariha western wheatgrass                    | <i>Agropyron smithii 'Ariha'</i>      | Cool                          | Sod            | 110,000         | 7.0                   |
| <b>Total</b>                                |                                       |                               |                |                 | <b>18.5</b>           |
| <b>High Water Table Soil Seed Mix</b>       |                                       |                               |                |                 |                       |
| Meadow fescue                               | <i>Alpecurus pratensis</i>            | Cool                          | Sod            | 900,000         | 0.5                   |
| Redtop                                      | <i>Agrostis alba</i>                  | Warm                          | Open sod       | 5,000,000       | 0.25                  |
| Reed canarygrass                            | <i>Phalaris arundinacea</i>           | Cool                          | Sod            | 68,000          | 0.5                   |
| Lincoln smooth brome                        | <i>Bromus inermis layns 'Lincoln'</i> | Cool                          | Sod            | 130,000         | 3.0                   |
| Pathfinder switchgrass                      | <i>Panicum virgatum 'Pathfinder'</i>  | Warm                          | Sod            | 389,000         | 1.0                   |
| Alkar tall wheatgrass                       | <i>Agropyron elongatum 'Alkar'</i>    | Cool                          | Bunch          | 79,000          | 5.5                   |
| <b>Total</b>                                |                                       |                               |                |                 | <b>10.75</b>          |
| <b>Transition Turf Seed Mix<sup>c</sup></b> |                                       |                               |                |                 |                       |
| Roadside Canadian bluegrass                 | <i>Poa compressa 'Roadside'</i>       | Cool                          | Sod            | 3,500,000       | 0.5                   |
| Dural land fescue                           | <i>Festuca ovina 'duraculula'</i>     | Cool                          | Bunch          | 565,000         | 1.0                   |
| Citation perennial ryegrass                 | <i>Lolium perenne 'Citation'</i>      | Cool                          | Sod            | 247,000         | 3.0                   |
| Lincoln smooth brome                        | <i>Bromus inermis layns 'Lincoln'</i> | Cool                          | Sod            | 130,000         | 3.0                   |
| <b>Total</b>                                |                                       |                               |                |                 | <b>7.5</b>            |

TS/PS-4 Urban Drainage and Flood Control District  
Urban Storm Drainage Criteria Manual Volume 3 June 2012

Stabilized Staging Area (SSA) SM-6



SSA-1. STABILIZED STAGING AREA

STABILIZED STAGING AREA INSTALLATION NOTES

1. SEE PLAN VIEW FOR  
-LOCATION OF STAGING AREA(S).  
-CONTRACTOR MAY ADJUST LOCATION AND SIZE OF STAGING AREA WITH APPROVAL FROM THE LOCAL JURISDICTION.
2. STABILIZED STAGING AREA SHOULD BE APPROPRIATE FOR THE NEEDS OF THE SITE. OVERSIZING RESULTS IN A LARGER AREA TO STABILIZE FOLLOWING CONSTRUCTION.
3. STAGING AREA SHALL BE STABILIZED PRIOR TO OTHER OPERATIONS ON THE SITE.
4. THE STABILIZED STAGING AREA SHALL CONSIST OF A MINIMUM 3" THICK GRANULAR MATERIAL.
5. UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, AASHTO #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.
6. ADDITIONAL PERIMETER BMPs MAY BE REQUIRED INCLUDING BUT NOT LIMITED TO SILT FENCE AND CONSTRUCTION FENCING.

STABILIZED STAGING AREA MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY IF RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.

November 2010 Urban Drainage and Flood Control District  
Urban Storm Drainage Criteria Manual Volume 3 SSA-3

SM-6 Stabilized Staging Area (SSA)

STABILIZED STAGING AREA MAINTENANCE NOTES

5. STABILIZED STAGING AREA SHALL BE ENLARGED IF NECESSARY TO CONTAIN PARKING, STORAGE, AND UNLOADING/LOADING OPERATIONS.
  6. THE STABILIZED STAGING AREA SHALL BE REMOVED AT THE END OF CONSTRUCTION. THE GRANULAR MATERIAL SHALL BE REMOVED OR, IF APPROVED BY THE LOCAL JURISDICTION, USED ON SITE, AND THE AREA COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY LOCAL JURISDICTION.
- NOTE: MANY MUNICIPALITIES PROHIBIT THE USE OF RECYCLED CONCRETE AS GRANULAR MATERIAL FOR STABILIZED STAGING AREAS DUE TO DIFFICULTIES WITH RE-ESTABLISHMENT OF VEGETATION IN AREAS WHERE RECYCLED CONCRETE WAS PLACED.
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM USPOD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD)

SSA-4 Urban Drainage and Flood Control District  
Urban Storm Drainage Criteria Manual Volume 3 November 2010

EC-2 Temporary and Permanent Seeding (TS/PS)

Table TS/PS-3. Seeding Dates for Annual and Perennial Grasses

| Seeding Dates            | Annual Grasses<br>(Numbers in table reference<br>species in Table TS/PS-1) |           | Perennial Grasses |      |
|--------------------------|----------------------------------------------------------------------------|-----------|-------------------|------|
|                          | Warm                                                                       | Cool      | Warm              | Cool |
| January 1-March 15       |                                                                            |           | ✓                 | ✓    |
| March 16-April 30        | 4                                                                          | 1,2,3     | ✓                 | ✓    |
| May 1-May 15             | 4                                                                          |           | ✓                 |      |
| May 16-June 30           | 4,5,6,7                                                                    |           |                   |      |
| July 1-July 15           | 5,6,7                                                                      |           |                   |      |
| July 16-August 31        |                                                                            |           |                   |      |
| September 1-September 30 |                                                                            | 8,9,10,11 |                   |      |
| October 1-December 31    |                                                                            |           | ✓                 | ✓    |

Mulch

Cover seeded areas with mulch or an appropriate rolled erosion control product to promote establishment of vegetation. Anchor mulch by crimping, netting or use of a non-toxic tackifier. See the Mulching BMP Fact Sheet for additional guidance.

Maintenance and Removal

Monitor and observe seeded areas to identify areas of poor growth or areas that fail to germinate. Reseed and mulch these areas, as needed.

An area that has been permanently seeded should have a good stand of vegetation within one growing season if irrigated and within three growing seasons without irrigation in Colorado. Reseed portions of the site that fail to germinate or remain bare after the first growing season.

Seeded areas may require irrigation, particularly during extended dry periods. Targeted weed control may also be necessary.

Protect seeded areas from construction equipment and vehicle access.

TS/PS-6 Urban Drainage and Flood Control Dist  
Urban Storm Drainage Criteria Manual V



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| DESIGNED         | MGT            | REV | DESCRIPTION | DATE |
|------------------|----------------|-----|-------------|------|
| DRAWN            | MGT            |     |             |      |
| CHECKED          | GTJ            |     |             |      |
| CLIENT PROJ. NO. | 25X.141421.000 |     |             |      |

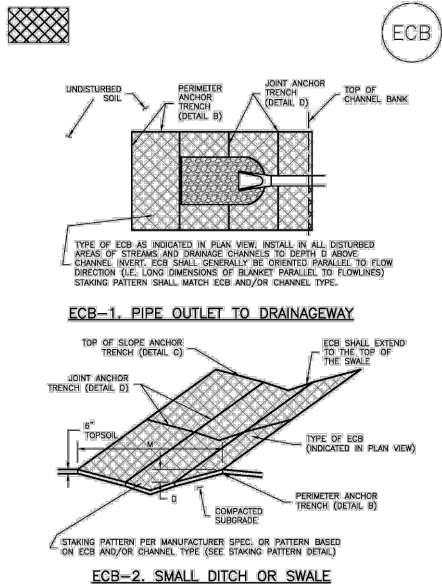
MEADOW LAKE AIRPORT  
TRANSIENT APRON RECONSTRUCTION  
EROSION CONTROL DETAILS

SHEET

C2.06



Rolled Erosion Control Products (RECP) EC-6

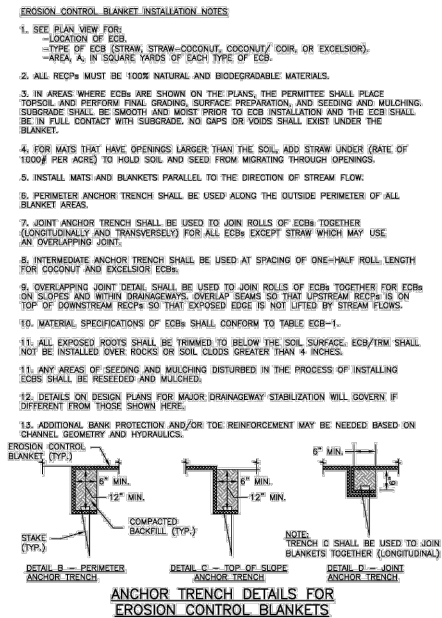


December 2022 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 RECP-5

Revise per latest GEC Notes from 2026:

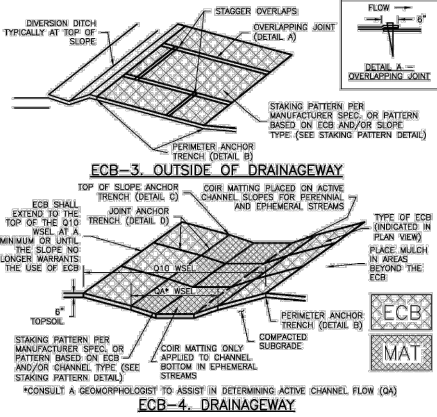


Rolled Erosion Control Products (RECP) EC-6



December 2022 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 RECP-9

EC-6 Rolled Erosion Control Products (RECP)

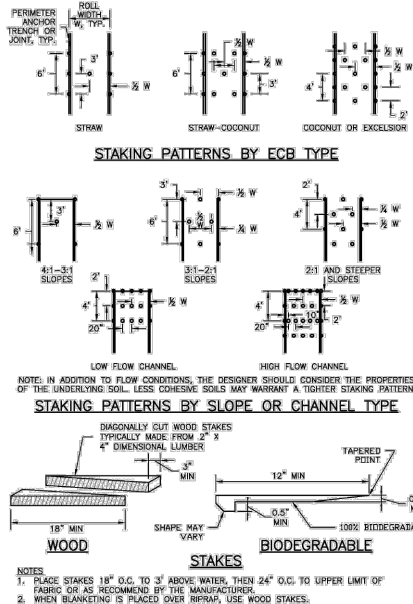


| TABLE ECB-1, ECB MATERIAL SPECIFICATIONS |                 |               |                   |                      |
|------------------------------------------|-----------------|---------------|-------------------|----------------------|
| TYPE                                     | COCONUT CONTENT | STRAW CONTENT | EXCELSIOR CONTENT | RECOMMENDED NETTING* |
| STRAW*                                   | —               | 100%          | —                 | DOUBLE/ NATURAL      |
| STRAW-COCONUT                            | 30% MIN.        | 70% MAX.      | —                 | DOUBLE/ NATURAL      |
| COIR MAT*                                | 100%            | —             | —                 | DOUBLE/ NATURAL      |
| EXCELSIOR                                | —               | —             | 100%              | DOUBLE/ NATURAL      |

\*STRAW ECBs MAY ONLY BE USED OUTSIDE OF STREAMS AND DRAINAGE CHANNELS.  
\*NATURAL NETTING INCLUDING SINGLE NETTING AND SYNTHETIC PHOTODEGRADABLE NETTING MAY BE ACCEPTABLE IN SOME JURISDICTIONS.

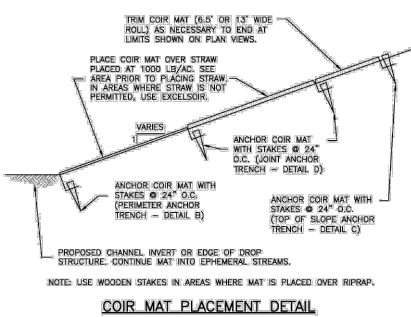
RECP-6 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 December 2022

Rolled Erosion Control Products (RECP) EC-6



December 2022 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 RECP-7

EC-6 Rolled Erosion Control Products (RECP)



**EROSION CONTROL BLANKET MAINTENANCE NOTES**

1. INSPECT BMPs EACH MORNING, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE. REPEATED FAILURE WARRANTS THE NEED FOR REDESIGN OF THE EROSION CONTROL PROTECTION.
4. ECBs SHALL BE LEFT IN PLACE TO BIODEGRADE UNLESS REQUESTED TO BE REMOVED BY THE LOCAL JURISDICTION.
5. ANY ECB PULLED OUT, TORN, OR OTHERWISE DAMAGED SHALL BE REPAIRED OR REPLACED. ANY SUBGRADE AREAS BELOW THE GEOTEXTILE THAT HAVE ERODED TO CREATED A VOID UNDER THE BLANKET, OR THAT REMAIN BEYOND OF GRASS SHALL BE REPAIRED, RESEDED AND MULCHED AND THE ECB REINSTALLED.

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM USDOF STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO AND TOWN OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)

RECP-8 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 December 2022

APPROVED PLANS. ANY PROPOSED CHANGES THAT EFFECT THE DESIGN OR FUNCTION OF PERMANENT STORMWATER MANAGEMENT STRUCTURES MUST BE APPROVED BY THE ECM ADMINISTRATOR PRIOR TO IMPLEMENTATION.

10. EARTH DISTURBANCES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY MINIMIZE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION. ALL DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME. PRE-EXISTING VEGETATION SHALL BE PROTECTED AND MAINTAINED WITHIN 50 HORIZONTAL FEET OF A WATERS OF THE STATE UNLESS SHOWN TO BE INFEASIBLE AND SPECIFICALLY REQUESTED AND APPROVED.

11. COMPACTION OF SOIL MUST BE PREVENTED IN AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES OR WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER. AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES SHALL ALSO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED. IF COMPACTION PREVENTION IS NOT FEASIBLE DUE TO SITE CONSTRAINTS, ALL AREAS DESIGNATED FOR INFILTRATION AND VEGETATION CONTROL MEASURES MUST BE LOOSENEED PRIOR TO INSTALLATION OF THE CONTROL MEASURE(S).

12. ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE A STABILIZED CONVEYANCE DESIGNED TO MINIMIZE EROSION AND THE DISCHARGE OF SEDIMENT OFF-SITE.

13. CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO ENTER STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES. CONCRETE WASHOUTS SHALL NOT BE LOCATED IN AN AREA WHERE SHALLOW GROUNDWATER MAY BE PRESENT, OR WITHIN 50 FEET OF A SURFACE WATER BODY, CREEK OR STREAM.

14. DURING DEWATERING OPERATIONS, UNCONTAMINATED GROUNDWATER MAY BE DISCHARGED ON-SITE, BUT SHALL NOT LEAVE THE SITE IN THE FORM OF SURFACE RUNOFF UNLESS AN APPROVED STATE DEWATERING PERMIT IS IN PLACE.

15. EROSION CONTROL BLANKETING OR OTHER PROTECTIVE COVERING SHALL BE USED ON SLOPES STEEPER THAN 3:1.

16. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTES FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO CONSTRUCTION DEBRIS, TREE SLASH, BUILDING MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.

17. WASTE MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY, OR OTHER PUBLIC WAY, UNLESS IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL PLAN. CONTROL MEASURES MAY BE REQUIRED BY EL PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.

18. TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFF-SITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.

19. THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, SOIL, AND SAND THAT MAY ACCUMULATE IN ROADS, STORM DRAINS AND OTHER DRAINAGE CONVEYANCE SYSTEMS AND STORMWATER APPURTENANCES AS A RESULT OF SITE

DEVELOPMENT.

20. THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM THE WORK IN AN ORDERLY SEQUENCE. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABELS.

21. NO CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ON-SITE UNLESS PERMISSION FOR THE USE OF SUCH CHEMICAL(S) IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN GRANTING APPROVAL FOR THE USE OF SUCH CHEMICAL(S), SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.

22. BULK STORAGE OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID CHEMICALS IN EXCESS OF 55 GALLONS SHALL REQUIRE ADEQUATE SECONDARY CONTAINMENT PROTECTION TO CONTAIN ALL SPILLS ON-SITE AND TO PREVENT ANY SPILLED MATERIALS FROM ENTERING STATE WATERS, ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR OTHER FACILITIES.

23. NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER OR DITCH EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.

24. OWNER/DEVELOPER AND THEIR AGENTS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 8, CRS), AND THE "CLEAN WATER ACT" (33 USC 1344), IN ADDITION TO THE REQUIREMENTS OF THE LAND DEVELOPMENT CODE, DCM VOLUME II AND THE ECM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (1041, NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.). IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND OTHER LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, LOCAL, OR COUNTY AGENCIES, THE MOST RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.

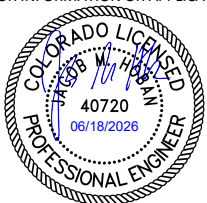
25. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS.

26. PRIOR TO CONSTRUCTION THE PERMITTEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.

27. A WATER SOURCE SHALL BE AVAILABLE ON-SITE DURING EARTHWORK OPERATIONS AND SHALL BE UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.

28. AT LEAST TEN (10) DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB ONE (1) ACRE OR MORE, THE OWNER OR OPERATOR OF CONSTRUCTION ACTIVITY SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE TO THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY DIVISION. THE APPLICATION CONTAINS CERTIFICATION OF COMPLETION OF A STORMWATER MANAGEMENT PLAN (SWMP), OF WHICH THIS GRADING AND EROSION CONTROL PLAN MAY BE A PART. FOR INFORMATION OR APPLICATION MATERIALS CONTACT:

COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT  
WATER QUALITY CONTROL DIVISION  
WQCD – PERMITS  
4300 CHERRY CREEK DRIVE SOUTH  
DENVER, CO 80246-1530  
ATTN:PERMITS UNIT



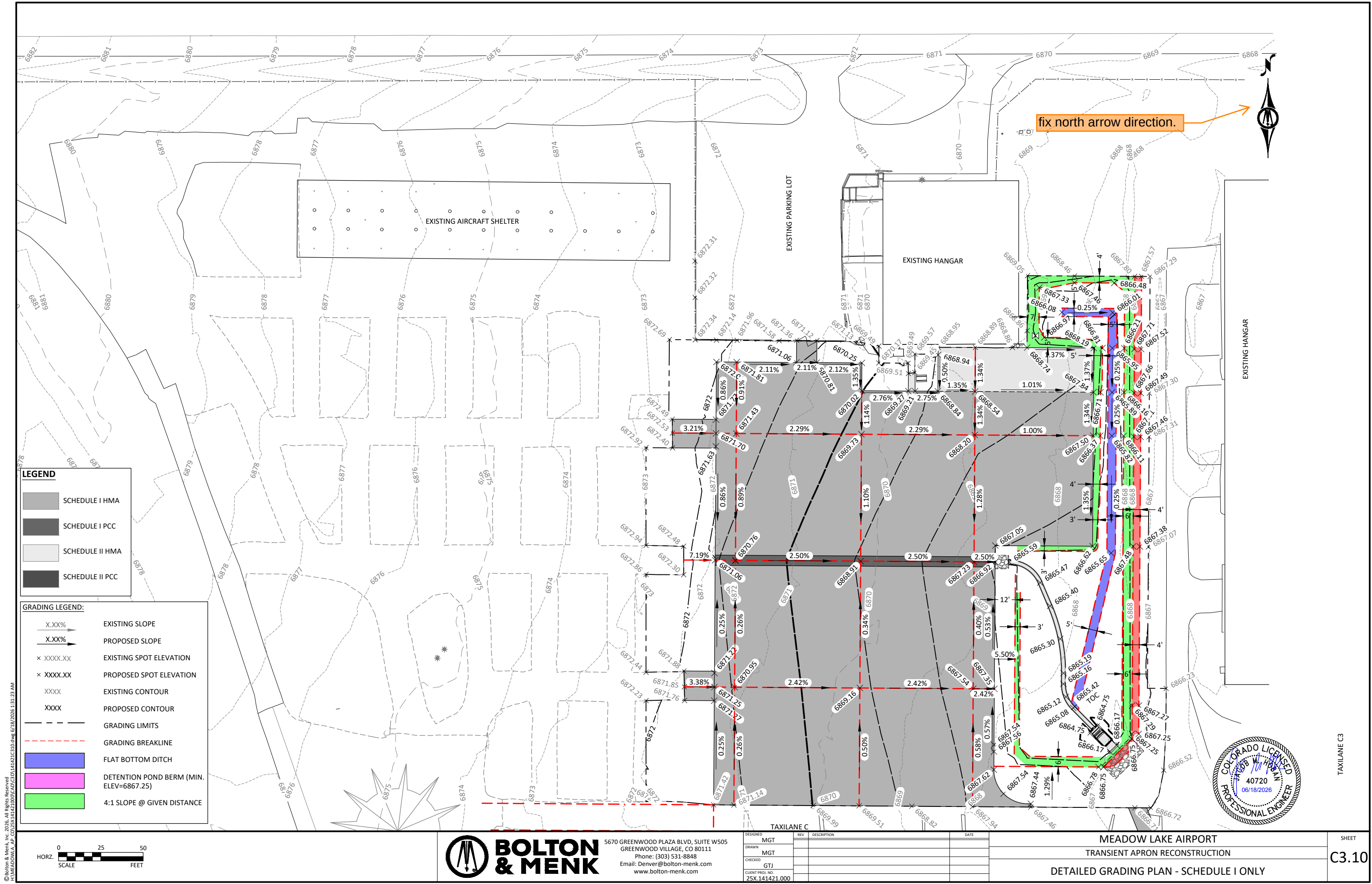
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MEADOW LAKE AIRPORT  
TRANSIENT APRON RECONSTRUCTION  
EROSION CONTROL DETAILS

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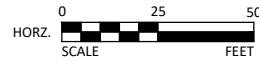
**LEGEND**

|  |                 |
|--|-----------------|
|  | SCHEDULE I HMA  |
|  | SCHEDULE I PCC  |
|  | SCHEDULE II HMA |
|  | SCHEDULE II PCC |

**GRADING LEGEND:**

|  |                                         |
|--|-----------------------------------------|
|  | EXISTING SLOPE                          |
|  | PROPOSED SLOPE                          |
|  | EXISTING SPOT ELEVATION                 |
|  | PROPOSED SPOT ELEVATION                 |
|  | EXISTING CONTOUR                        |
|  | PROPOSED CONTOUR                        |
|  | GRADING LIMITS                          |
|  | GRADING BREAKLINE                       |
|  | FLAT BOTTOM DITCH                       |
|  | DETENTION POND BERM (MIN. ELEV=6867.25) |
|  | 4:1 SLOPE @ GIVEN DISTANCE              |

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M:\MEADOW LAKE AP CO\25X141421\25X141421.dwg 6/18/2026 1:11:23 AM



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| MGT              |     |             |      |
| GTJ              |     |             |      |
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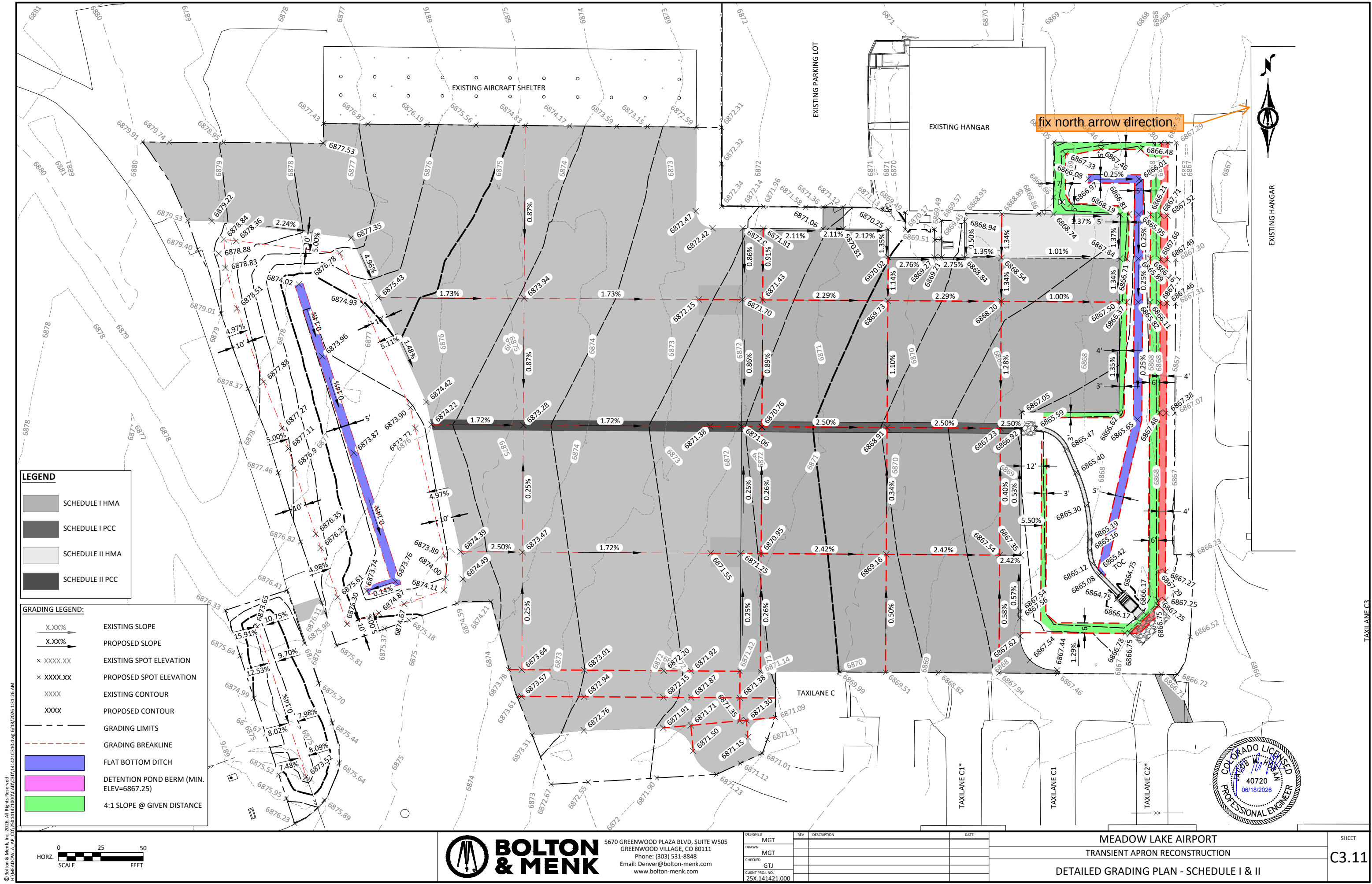
MEADOW LAKE AIRPORT  
TRANSIENT APRON RECONSTRUCTION  
DETAILED GRADING PLAN - SCHEDULE I ONLY



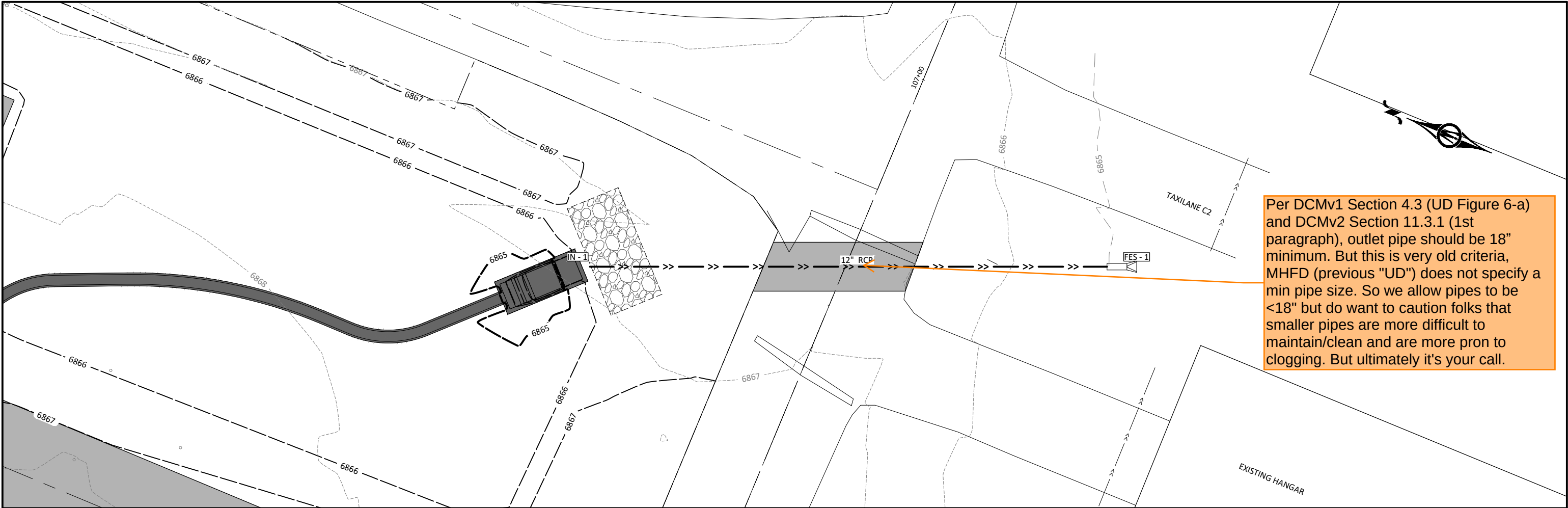
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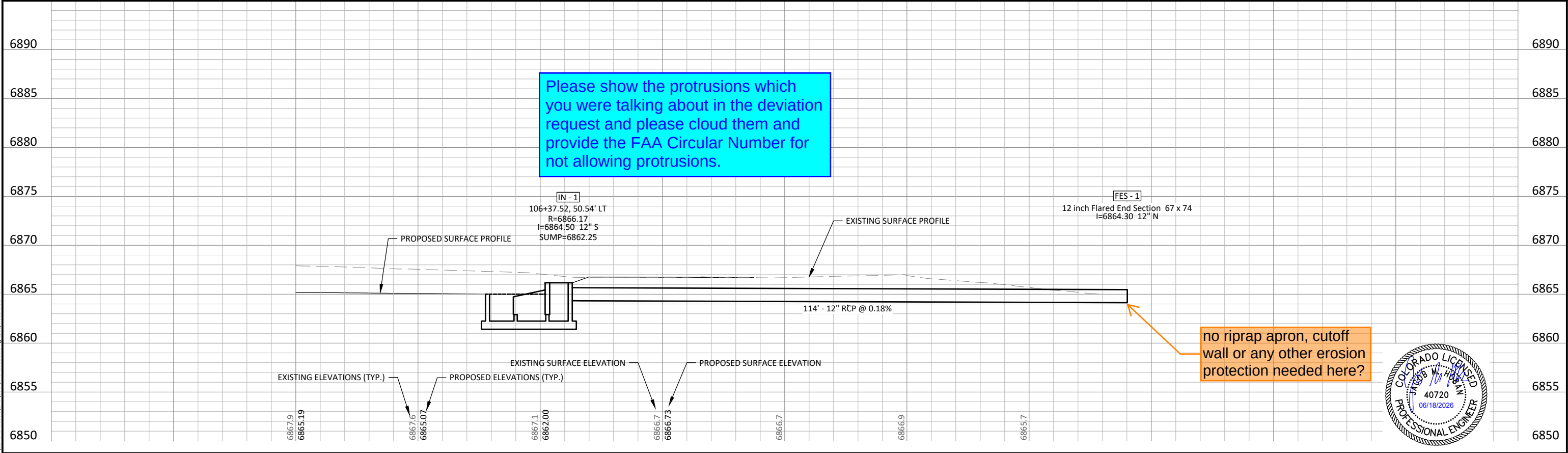






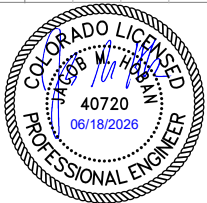


Per DCMv1 Section 4.3 (UD Figure 6-a) and DCMv2 Section 11.3.1 (1st paragraph), outlet pipe should be 18" minimum. But this is very old criteria, MHFD (previous "UD") does not specify a min pipe size. So we allow pipes to be <18" but do want to caution folks that smaller pipes are more difficult to maintain/clean and are more prone to clogging. But ultimately it's your call.

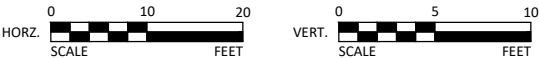


Please show the protrusions which you were talking about in the deviation request and please cloud them and provide the FAA Circular Number for not allowing protrusions.

no riprap apron, cutoff wall or any other erosion protection needed here?



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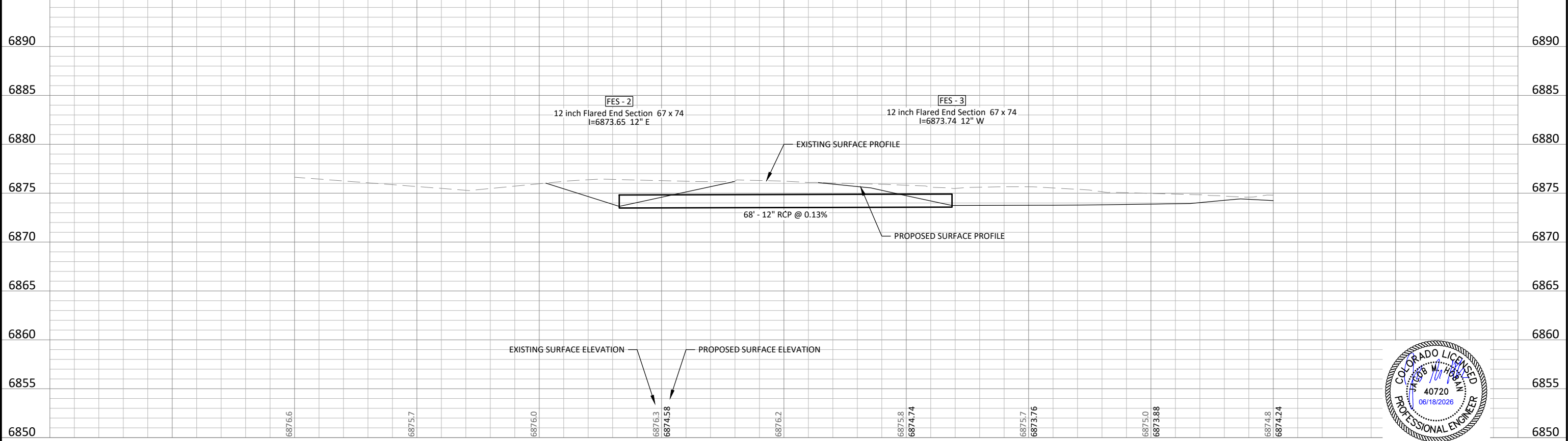
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| CLIENT PROJ. NO. | 25X.141421.000 |     |             |      |

MEADOW LAKE AIRPORT  
TRANSIENT APRON RECONSTRUCTION  
STORM SEWER PLAN & PROFILE

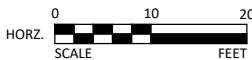
SHEET  
C5.01



where is this pipe? Need a map key,  
a pipe name/number/label, or  
something to identify what/where this  
is.



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M:\MEADOW LAKE AP\25X141421\000\CADD\CD\141421C501.dwg 6/18/2026 1:31:42 AM

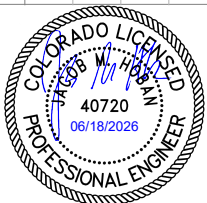


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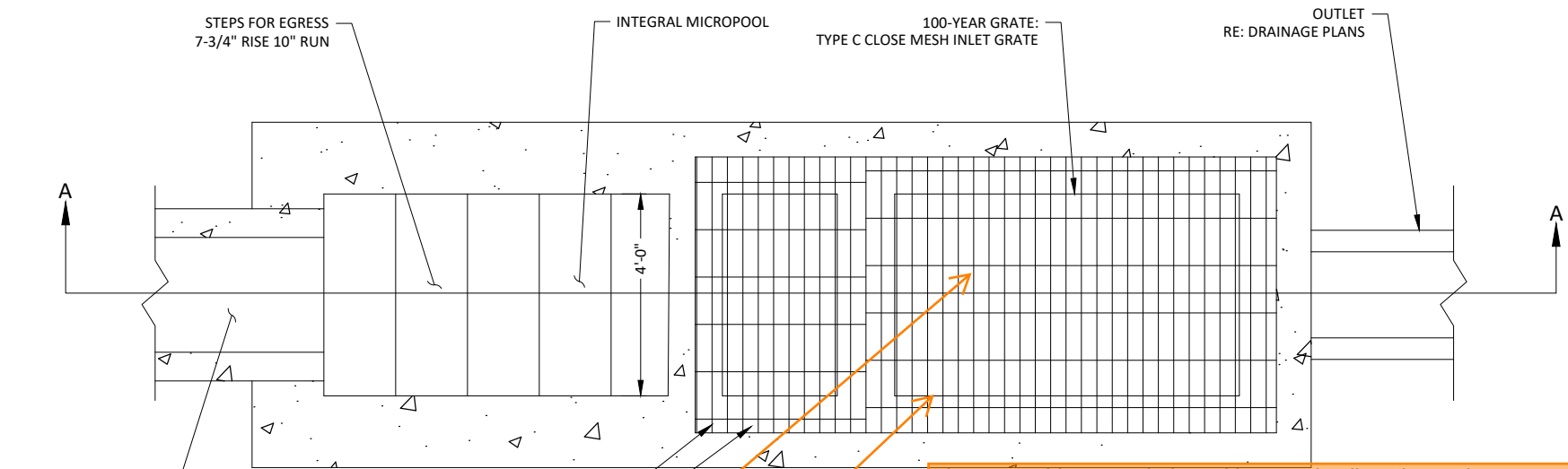
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MEADOW LAKE AIRPORT  
TRANSIENT APRON RECONSTRUCTION  
STORM SEWER PLAN & PROFILE



SHEET  
C5.02

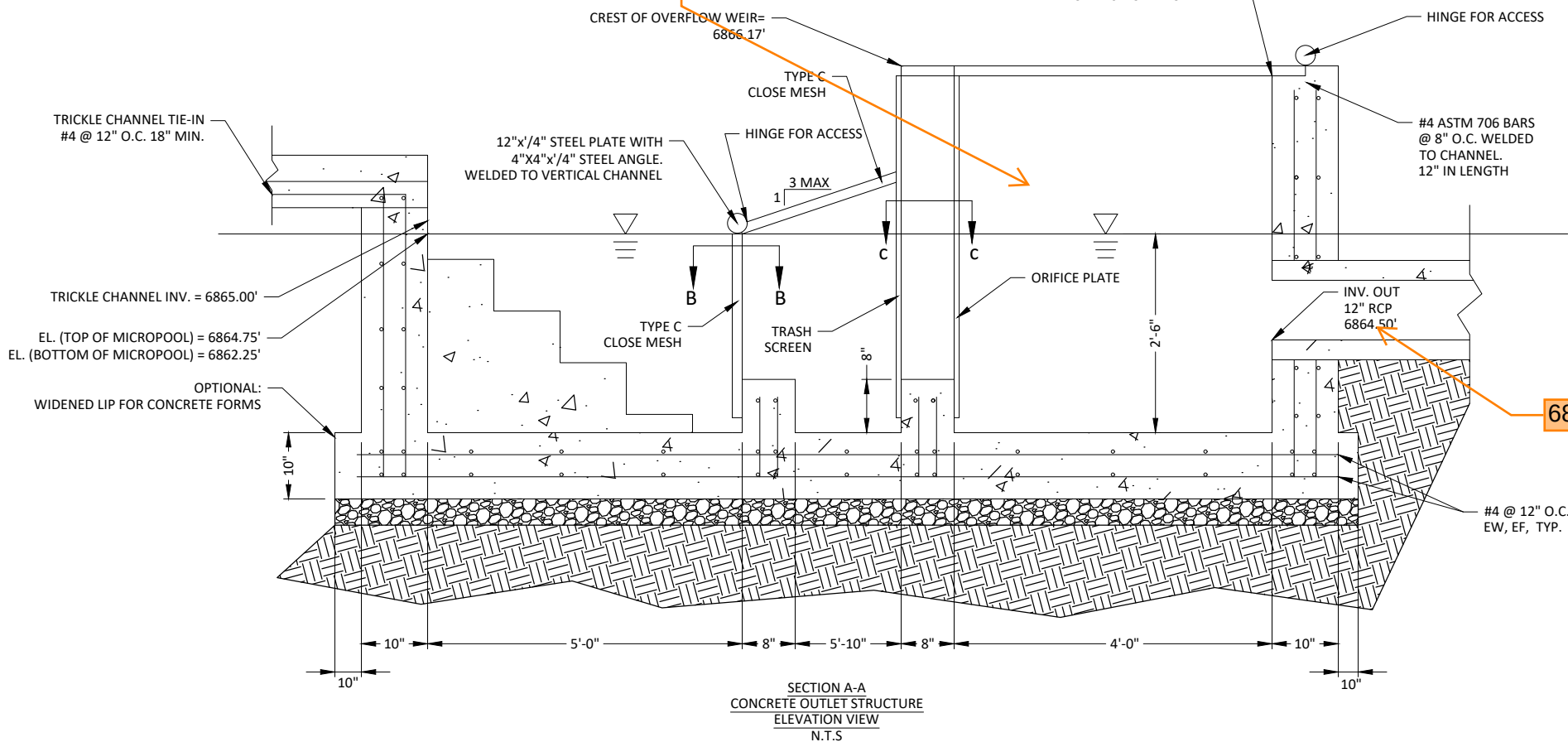




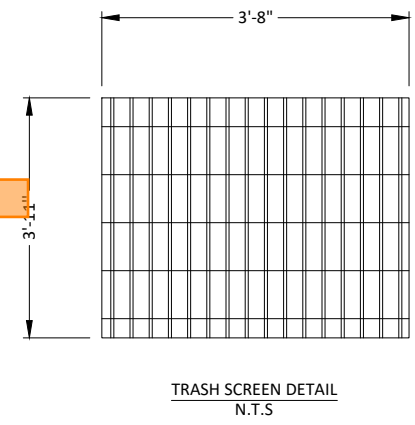
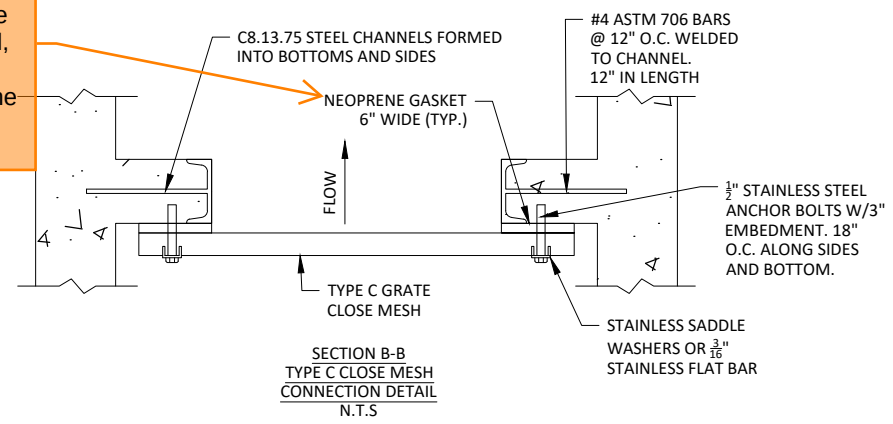
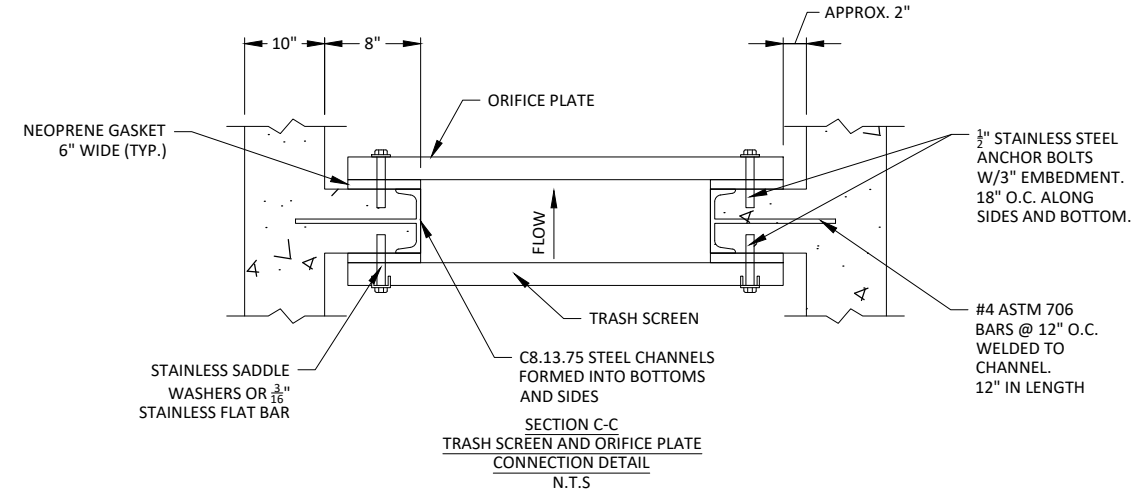
Show inside LxW dimensions of this area so I can compare to the calcs. The calcs show 4x4

show ladder steps for access/safety

Please provide a note below with more detail on the gasket spec. Based on input gathered from industry experts, below is the recommended gasket spec:  
  
The gasket shall be made of 1/4-inch thick, 60 durometer EPDM rubber in a continuous sheet the size of the orifice plate. The sheet shall be placed between the orifice plate and the concrete wall, with the width of the overlap between the plate and the concrete. Openings shall be cut into the sheet corresponding to the plate bolt holes and the concrete wall opening, cuts made either by the contractor in the field or by the manufacturer. Or equivalent gasket approved by EPC. Note that caulk is not an approved equivalent and will not be accepted by EPC.



6864.42 per calcs



Add a note that this should be manufactured with exterior bars in the vertical orientation.

- NOTES:
1. ALL STEEL, GRATES, CONCRETE (P-610), SCREENS, REBAR, STRUCTURAL EXCAVATION, BACKFILL, HINGES AND FASTENERS REQUIRED TO CONSTRUCT THE OUTLET STRUCTURE SHALL BE INCIDENTAL TO THE "STORMWATER QUALITY AND DETENTION POND OUTLET STRUCTURE" BID ITEM.
  2. CONCRETE REINFORCING BAR FOR THE OUTLET STRUCTURE SHALL BE EPOXY COATED.
  3. OUTLET STRUCTURE SHALL BE PLACED ON 4" OF CONDITIONED AND COMPACTED CDOT CLASS 6 OR P-208 AGGREGATE BASE COURSE.

Revise to "pond details"

- NOTES:
1. TRASH SCREEN IS JONHSON #93 STAINLESS STEEL VEE WIRE SCREEN WITH TE.074x0.75" STRIP SUPPORT RODS ON 1" CENTER AND SLOT OPENINGS OF 0.139", OR APPROVED EQUAL.
  2. ALL GRATES SHALL BE ORIENTED SO THE SWAGES OR SUPPORT RODS FACE UPSTREAM.



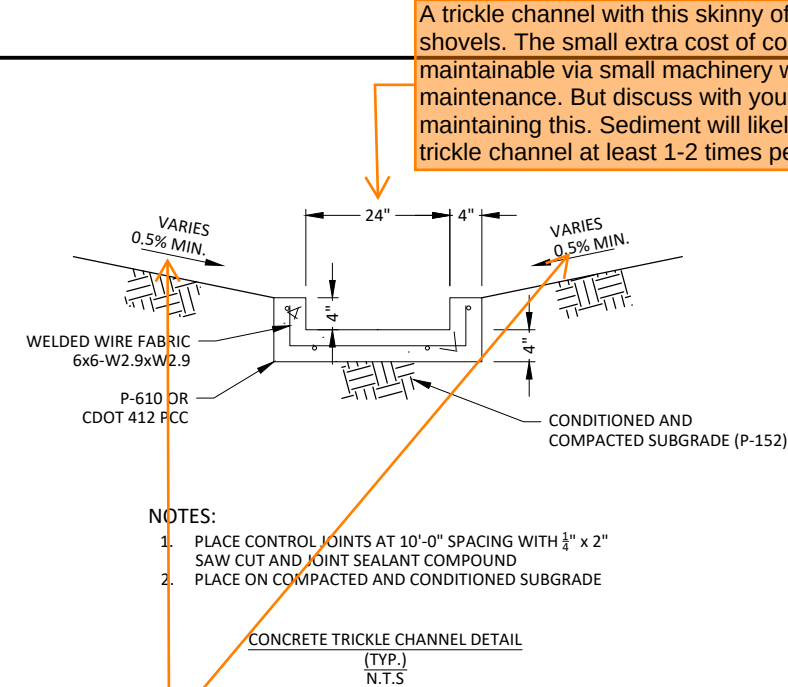
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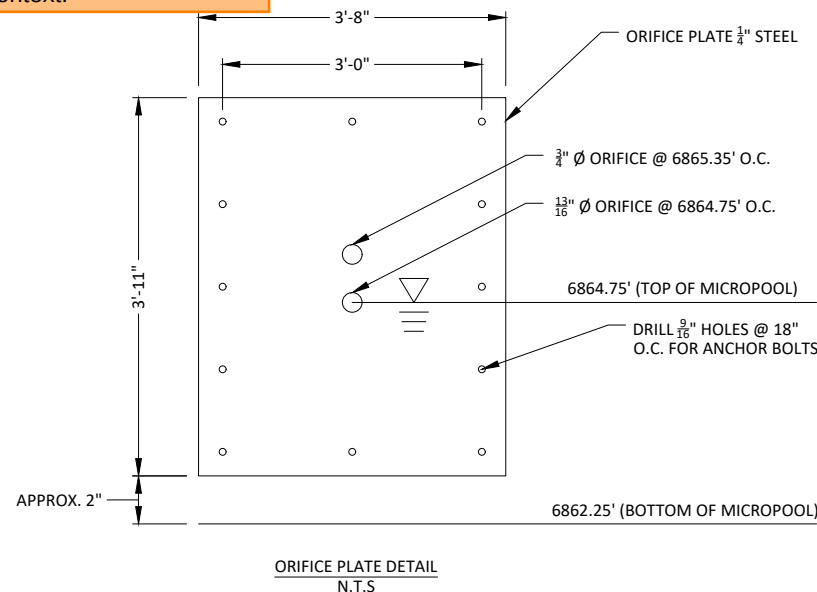
MEADOW LAKE AIRPORT  
TRANSIENT APRON RECONSTRUCTION  
DRAINAGE DETAILS

SHEET  
C5.03

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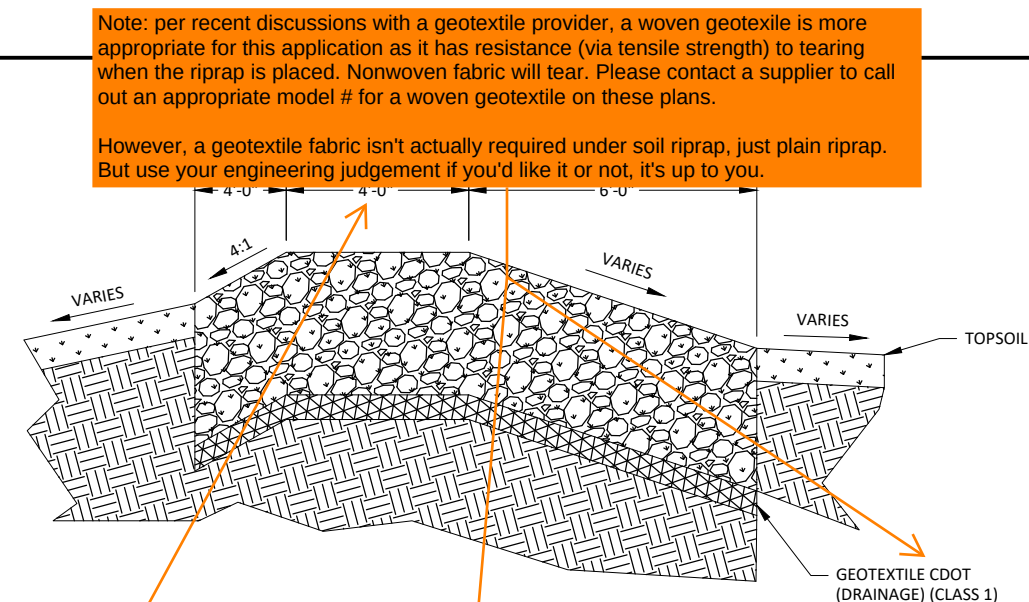
A trickle channel with this skinny of a width will only be maintainable via shovels. The small extra cost of concrete to make it wider and maintainable via small machinery will make it easier for long term maintenance. But discuss with your client on how they anticipate maintaining this. Sediment will likely need to be removed from the trickle channel at least 1-2 times per year for context.



ORIFICE PLATE DETAIL  
N.T.S.

There is an input on the MHFD-Detention calcs for "Spillway Crest Length" which you inputted as 4 and is 4 on the detail above. It's counterintuitive by MHFD actually defines the Spillway Crest Length as: *"the bottom length of the spillway and is measured perpendicular to the flow direction."* So the 4ft dimension should actually be in the bottom detail here where you show 23'-6". So please make that revision.

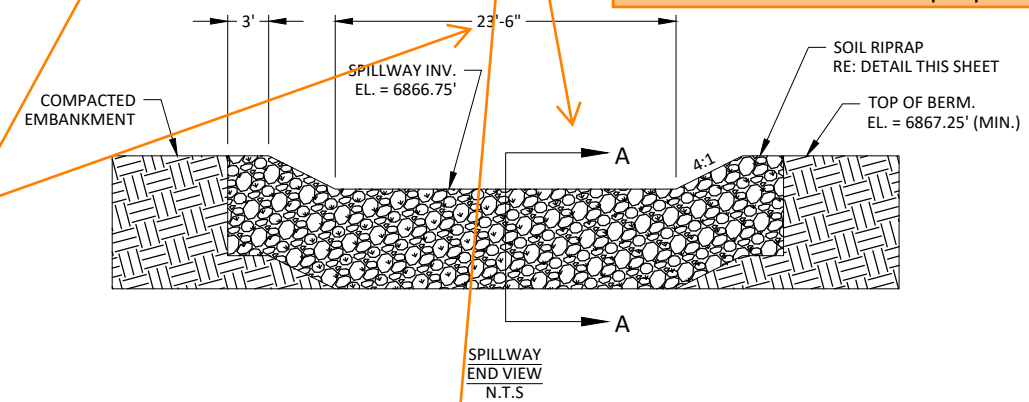
Per our criteria (DCMv1 Chap 11.3.3) the min top of embankment width is 12ft. But that is not necessary for a pond this small, we would accept a 4ft width if you want to leave it as-is.



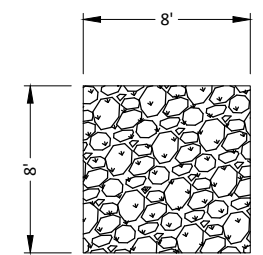
Note: per recent discussions with a geotextile provider, a woven geotextile is more appropriate for this application as it has resistance (via tensile strength) to tearing when the riprap is placed. Nonwoven fabric will tear. Please contact a supplier to call out an appropriate model # for a woven geotextile on these plans.

However, a geotextile fabric isn't actually required under soil riprap, just plain riprap. But use your engineering judgement if you'd like it or not, it's up to you.

See my comment on the MHFD-Det calcs in the FDR about showing Freeboard and Spillway Design Flow Depth. Make a note next to (or below) the freeboard callout that this was an approved deviation per talks with EPC. Just so it's documented in multiple places.

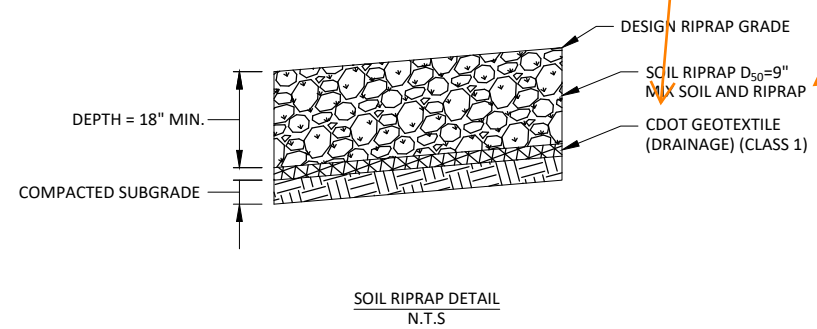


SPILLWAY  
END VIEW  
N.T.S.



SOIL RIPRAP OUTLET PAD DETAIL  
N.T.S.

- NOTES:
1. TOTAL THICKNESS FOR RIPRAP OF D<sub>50</sub>=9" IS 18"
  2. TOTAL THICKNESS FOR RIPRAP OF D<sub>50</sub>=12" IS 24"
  3. SOIL RIPRAP SHALL BE PLACED ON CDOT (DRAINAGE) (CLASS 1) GEOTEXTILE FABRIC.



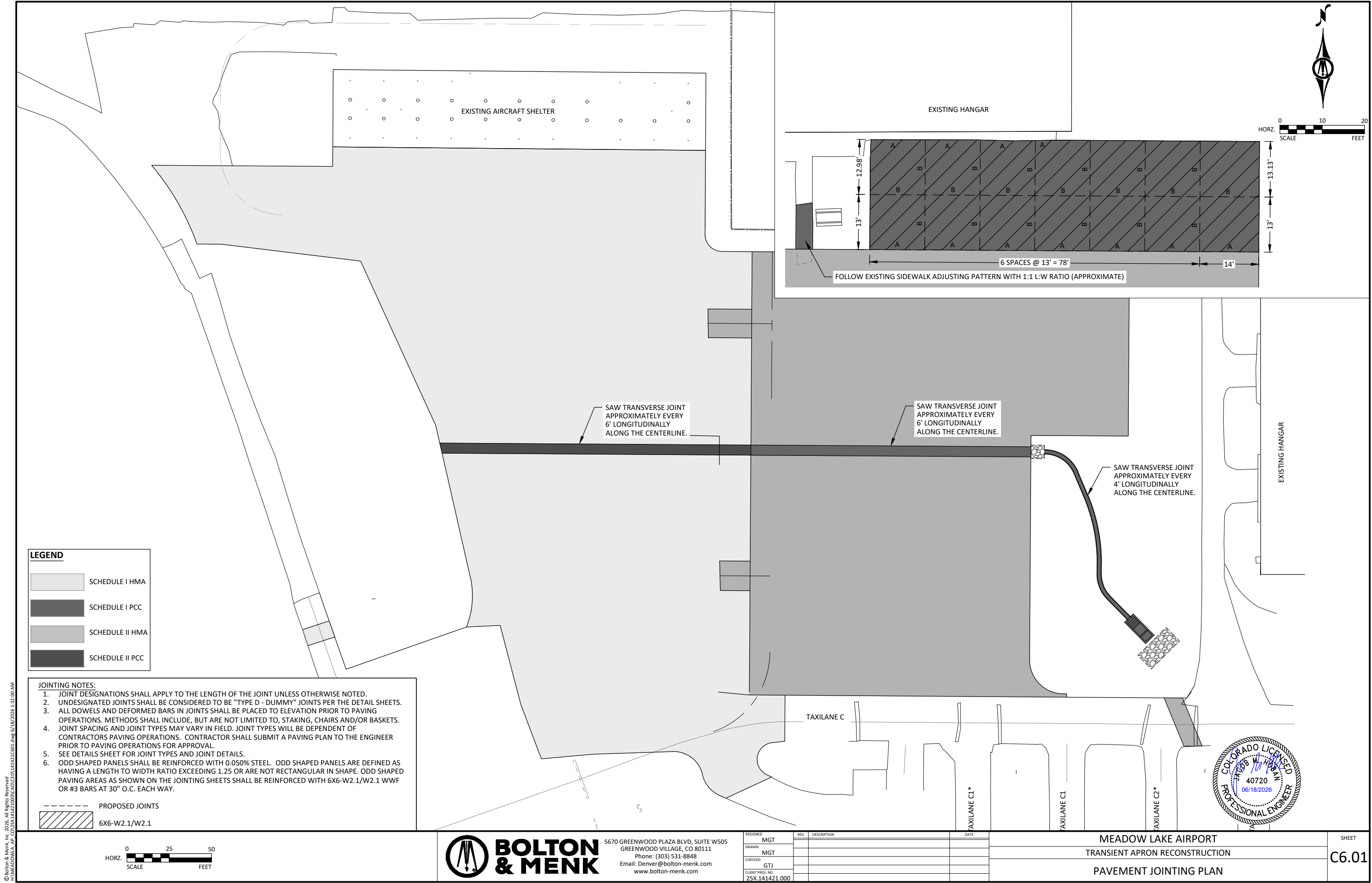
SOIL RIPRAP DETAIL  
N.T.S.

Specify installation instructions and mix ratio for soil riprap. As an example, note: "Per MHFD Spec Section 31-37-00, the soil material shall be native or topsoil and mixed with 65% riprap and 35% soil by volume. And soil riprap shall consist of uniform mixture of soil and riprap without voids."

Revise to "pond details"







**LEGEND**

|  |                 |
|--|-----------------|
|  | SCHEDULE I HMA  |
|  | SCHEDULE I PCC  |
|  | SCHEDULE II HMA |
|  | SCHEDULE II PCC |

**JOINTING NOTES:**

- JOINT DESIGNATIONS SHALL APPLY TO THE LENGTH OF THE JOINT UNLESS OTHERWISE NOTED.
- UNDESIGNATED JOINTS SHALL BE CONSIDERED TO BE "TYPE D - DUMMY" JOINTS PER THE DETAIL SHEETS.
- ALL DOWELS AND DEFORMED BARS IN JOINTS SHALL BE PLACED TO ELEVATION PRIOR TO PAVING OPERATIONS. METHODS SHALL INCLUDE, BUT ARE NOT LIMITED TO, STAKING, CHAIRS AND/OR BASKETS.
- JOINT SPACING AND JOINT TYPES MAY VARY IN FIELD. JOINT TYPES WILL BE DEPENDENT OF CONTRACTORS PAVING OPERATIONS. CONTRACTOR SHALL SUBMIT A PAVING PLAN TO THE ENGINEER PRIOR TO PAVING OPERATIONS FOR APPROVAL.
- SEE DETAILS SHEET FOR JOINT TYPES AND JOINT DETAILS.
- ODD SHAPED PANELS SHALL BE REINFORCED WITH 0.050% STEEL. ODD SHAPED PANELS ARE DEFINED AS HAVING A LENGTH TO WIDTH RATIO EXCEEDING 1.25 OR ARE NOT RECTANGULAR IN SHAPE. ODD SHAPED PAVING AREAS AS SHOWN ON THE JOINTING SHEETS SHALL BE REINFORCED WITH 6X6-W2.1/W2.1 WWF OR #3 BARS AT 30" O.C. EACH WAY.

PROPOSED JOINTS  
 6X6-W2.1/W2.1

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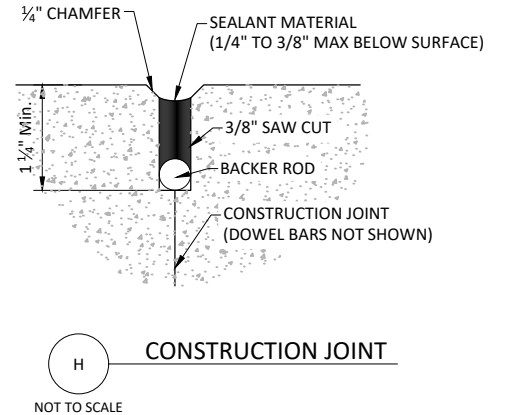
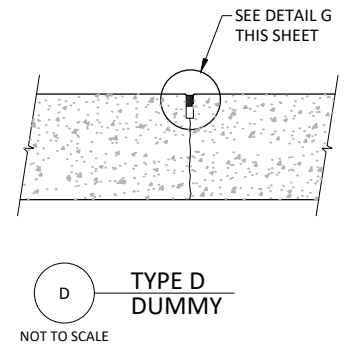
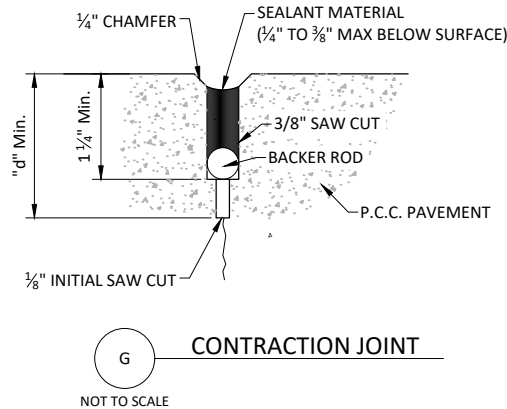
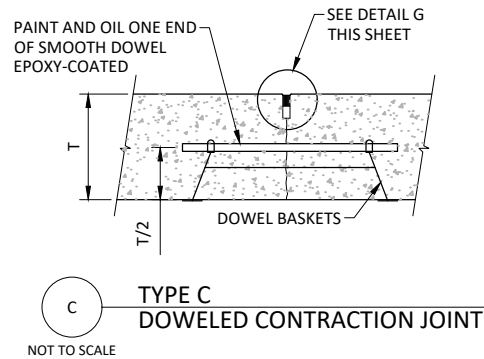
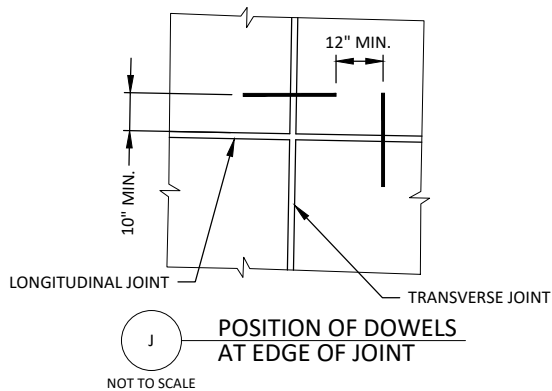
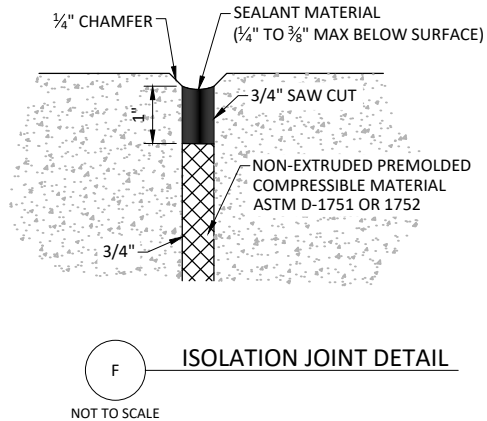
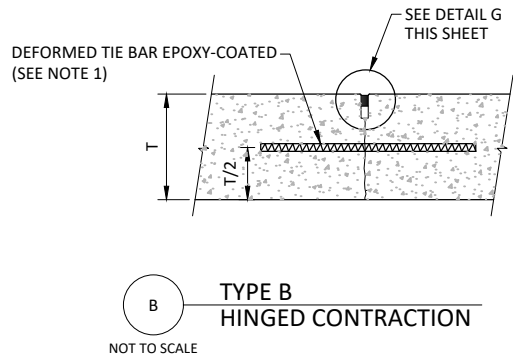
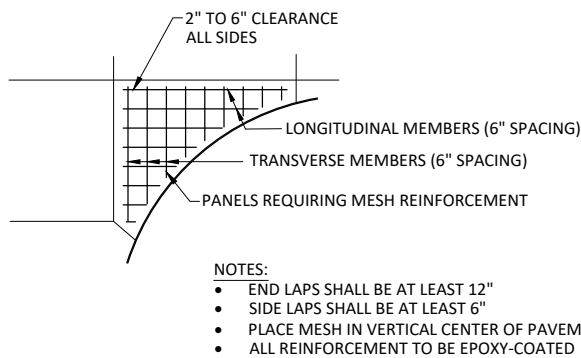
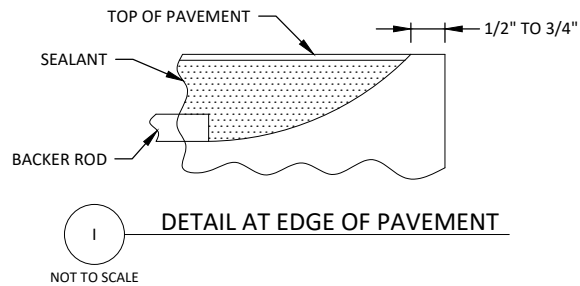
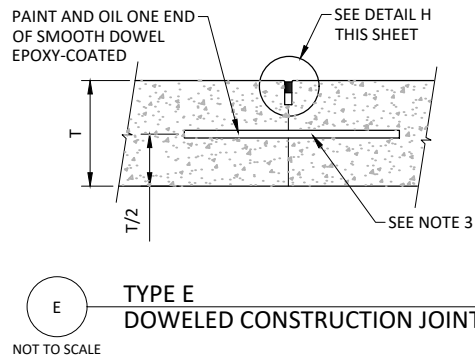
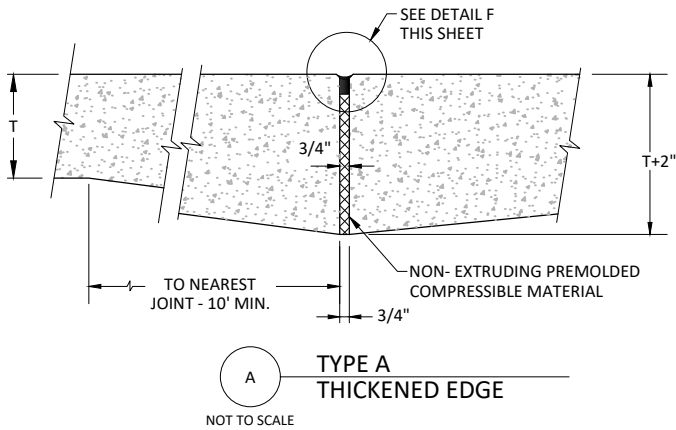
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MEADOW LAKE AIRPORT  
TRANSIENT APRON RECONSTRUCTION  
PAVEMENT JOINTING PLAN



SHEET  
**C6.01**



#### NOTES:

- WIRE MESH SHALL BE FURNISHED IN FLAT SHEETS AND EPOXY COATED. IN LIEU OF WIRE MESH AS SPECIFIED, CONTRACTOR MAY USE EPOXY COATED DEFORMED BARS MEETING 0.050% OF THE PANEL CROSS-SECTIONAL AREA IN REINFORCEMENT IN BOTH DIRECTIONS. STEEL MESH SHALL BE W6xW6 AS DETAILED ON THIS SHEET AND PLACED ON WIRE MESH SUPPORTS.
- CONTRACTOR SHALL DRILL AND EPOXY ALL DOWEL BARS INTO EXISTING PAVEMENT OR INSTALL IN BASKETS. REFER TO DOWEL BAR DIMENSIONS AND SPACING TABLE THIS SHEET FOR DOWEL BAR SIZE AND SPACING.
- "d" = MINIMUM T/4 ( $\pm 1/4$ ") FOR ALL JOINTS.
- W/D FACTOR SHALL BE 1:1 UNLESS OTHERWISE SPECIFIED BY JOINT MATERIAL MANUFACTURER.
- OUTSIDE LONGITUDINAL JOINTS TO BE TYPE 'B' HINGED
- INNER LONGITUDINAL JOINTS BETWEEN PAVING PASSES (CONSTRUCTION JOINT) SHALL BE TYPE 'E'. IF WITHIN SLAB (NOT AT EDGE OF PAVING PASS), INNER LONGITUDINAL JOINTS MAY BE TYPE 'B'
- IF PCC IS NOT PAVED CONTINUOUSLY, DOWELED CONSTRUCTION JOINT WILL BE REQUIRED.
- TRAVERSE JOINTS SHALL BE TYPE 'B' OR 'C' FOR PAVEMENTS <8" OR 'C' FOR PAVEMENTS  $\geq 8$ " FOR FIRST 3 JOINTS EITHER SIDE OF AN EXPANSION JOINT OR FREE END, OR WHEN SHOWN ON PLANS.
- ANY CONSTRUCTION JOINT (TRANSVERSE OR LONGITUDINAL) AT THE EDGE OR END OF A PAVING PASS SHALL BE TYPE 'E' UNLESS SHOWN OTHERWISE.
- ALL IRREGULAR SHAPED SLABS OR PANELS WITH LENGTH TO WIDTH RATIOS OF 1.25 OR GREATER SHALL BE REINFORCED.

| TIE BAR DIMENSION AND SPACING TABLE |     |        |         |
|-------------------------------------|-----|--------|---------|
| THICKNESS OF SLAB                   | NO. | LENGTH | SPACING |
| 6"                                  | 4   | 20"    | 36"     |

| DOWEL BAR DIMENSION AND SPACING TABLE |          |        |         |
|---------------------------------------|----------|--------|---------|
| THICKNESS OF SLAB                     | DIAMETER | LENGTH | SPACING |
| 6" - 7"                               | 3/4"     | 18"    | 12"     |



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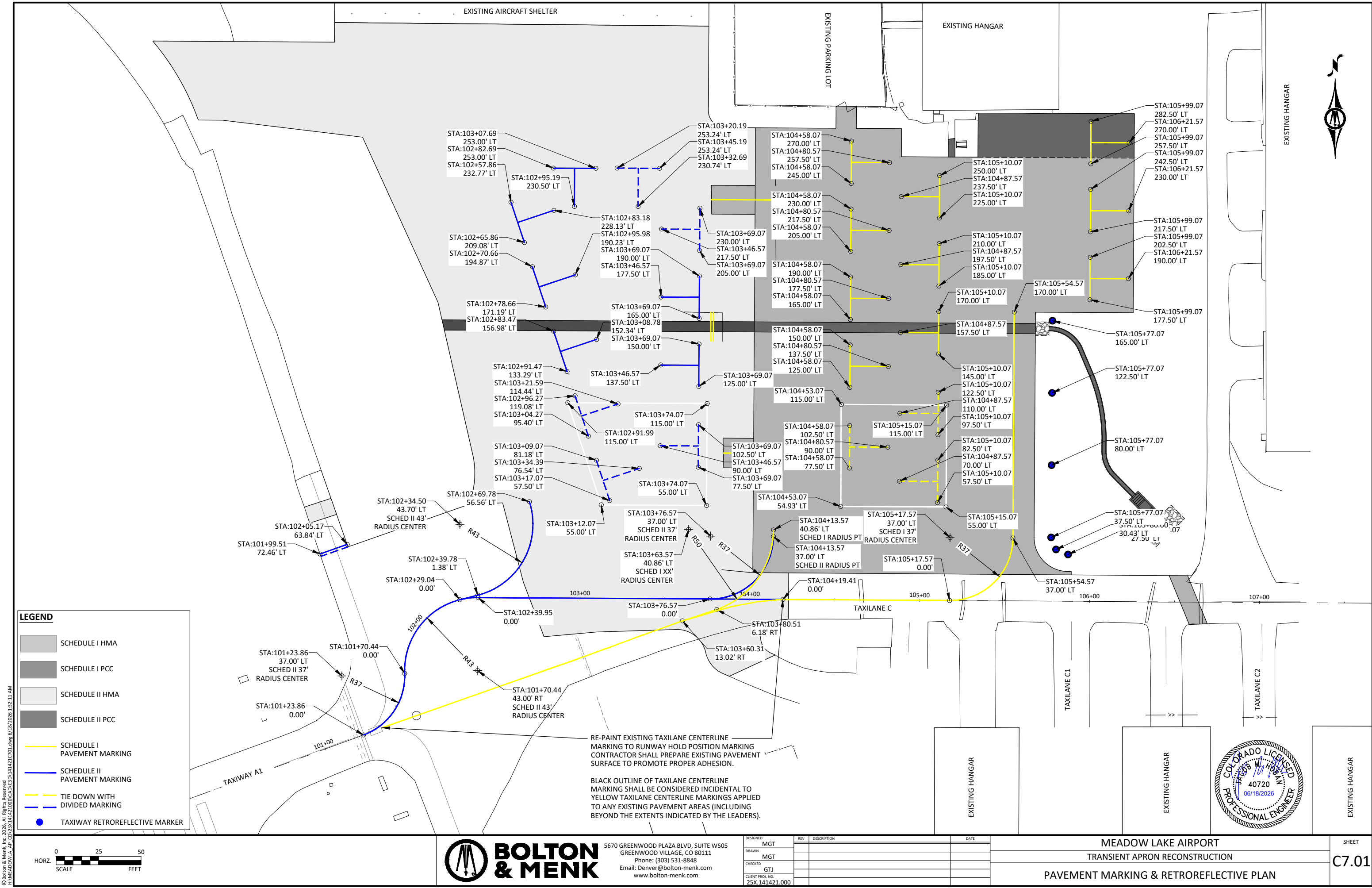
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MEADOW LAKE AIRPORT  
TRANSIENT APRON RECONSTRUCTION  
PAVEMENT JOINTING DETAILS

SHEET

C6.10





**LEGEND**

- SCHEDULE I HMA
- SCHEDULE I PCC
- SCHEDULE II HMA
- SCHEDULE II PCC
- SCHEDULE I PAVEMENT MARKING
- SCHEDULE II PAVEMENT MARKING
- TIE DOWN WITH DIVIDED MARKING
- TAXIWAY RETROREFLECTIVE MARKER



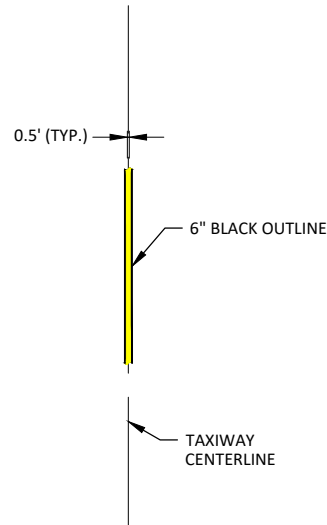
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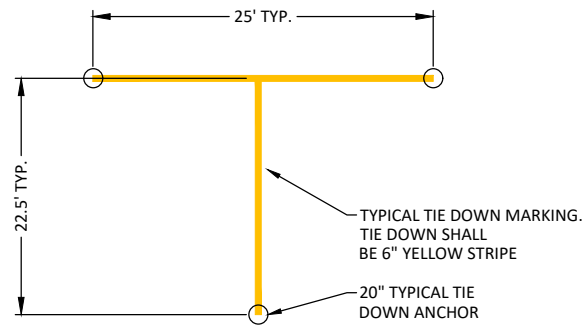
MEADOW LAKE AIRPORT  
TRANSIENT APRON RECONSTRUCTION  
PAVEMENT MARKING & RETROREFLECTIVE PLAN

SHEET  
C7.01

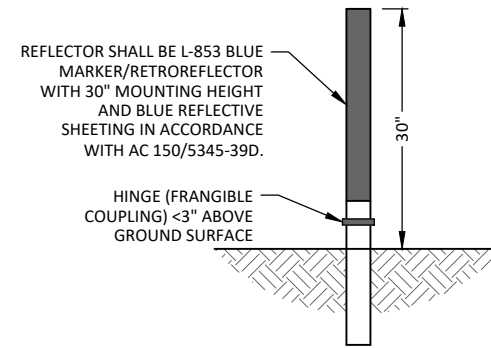




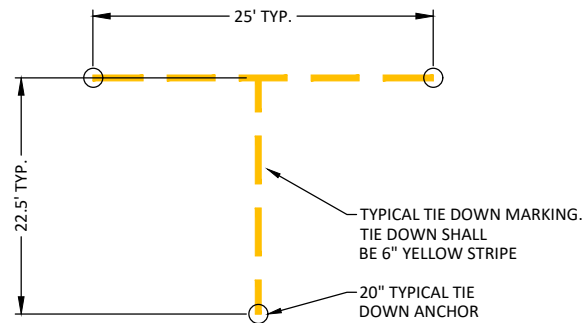
1 TAXIWAY CENTERLINE PAVEMENT MARKING DETAIL  
PLAN VIEW  
NOT TO SCALE



5 TIE DOWN PAVEMENT MARKING DETAIL  
PLAN VIEW  
NOT TO SCALE



1 RETROREFLECTIVE MARKER DETAIL  
NOT TO SCALE



5 DASHED TIE DOWN PAVEMENT MARKING DETAIL  
PLAN VIEW  
NOT TO SCALE



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