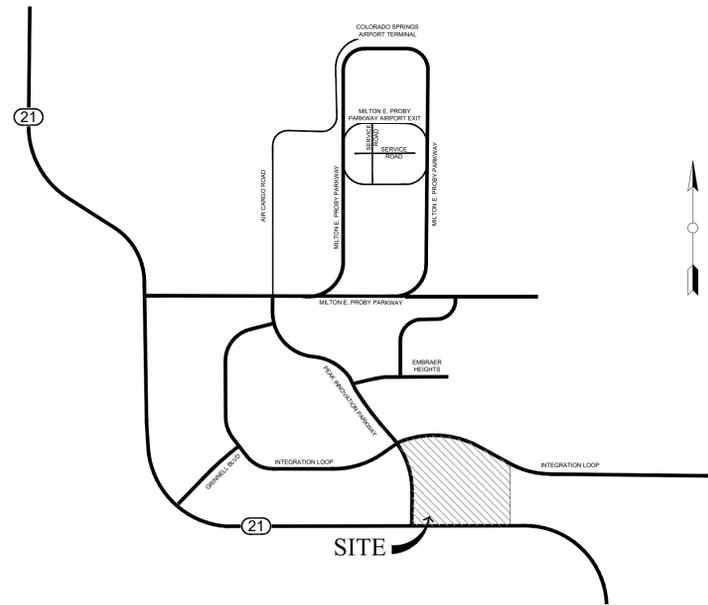


# COLORADO SPRINGS AIRPORT A PORTION OF FILING 1E LOT 4 INTEGRATION LOOP PHASE 4 STORM DRAIN CONSTRUCTION PLANS

LOCATED IN A PORTION OF SECTIONS 4, 5, & 6, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPLE MERIDIAN,  
LOCATED IN THE CITY OF COLORADO SPRINGS, COUNTY OF EL PASO, STATE OF COLORADO.

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**VICINITY MAP**  
SCALE 1" = 2000'

## GENERAL LEGEND

	PROPERTY LINE		WATER LINE
	CATCH CURB & GUTTER		FIRE HYDRANT
	SPILL CURB & GUTTER		MANHOLE
	CENTERLINE		SIGN
	PR. 5' CONTOUR		GATE VALVE
	PR. 1' CONTOUR		CONC. S/W
	EX. 5' CONTOUR		IRRIGATION SLEEVE
	EX. 1' CONTOUR		EASEMENT
	STORM INLET		PHASELINE
	STORM DRAIN		RIP RAP
	SANITARY SEWER		FENCE
	EX. ROAD EDGE		

## ABBREVIATIONS

AD = ANGLE DIFFERENCE	HP = HIGH POINT
BC = BOTTOM OF CURB	LIP = LIP OF CONCRETE
BOP = BOTTOM OF POND	LP = LOW POINT
BVC = BEGIN VERTICAL CURVE	M.E. = MATCH EXISTING
C&G = CURB & GUTTER	PC = POINT OF CURVATURE
CB = CATCHBASIN	PCC = POINT OF COMPOUND CURVATURE
CL = CENTERLINE	PI = POINT OF INFLECTION
EL = ELEVATION	PRC = POINT OF REVERSE CURVATURE
EOA = EDGE OF ASPHALT	ROW = RIGHT OF WAY
EVC = END VERTICAL CURVE	SD = STORM DRAIN
FES = FLARED END SECTION	SS = SANITARY SEWER
FG = FINISHED GRADE	S/W = SIDEWALK
FH = FIRE HYDRANT	TOP = TOP OF POND
FL = FLOWLINE	WL = WATER LINE
GB = GRADE BREAK	

## PROJECT TEAM

<b>OWNER</b> COLORADO SPRINGS AIRPORT 7770 MILTON E. PROBY PARKWAY, SUITE 550 COLORADO SPRINGS, CO 80916 CONTACT: TROY STOVER (719) 550-1967	<b>DEVELOPER</b> URBAN FRONTIER 1515 MARKET STREET DENVER, CO 80202 CONTACT: GARRETT BAUM (303) 864-7300
<b>ENGINEER</b> ENERTIA CONSULTING GROUP, LLC 1515 MARKET STREET DENVER, CO 80202 CONTACT: JEFF MOHR, PE (720) 250-8305	<b>SURVEYOR</b> POLARIS SURVEYING, INC. 1903 LELARAY STREET, SUITE 102 COLORADO SPRINGS, CO 80909 CONTACT: RANDALL HENCY, PLS (719) 448-0844

## BENCHMARK

BENCH MARK: #5 REBAR LOCATED APPROXIMATELY 75' SOUTHEAST OF THE SOUTHEAST CORNER OF THE LIFT STATION BUILDING MARKED WITH 4' CROSS LATH.

NORTHING: 62654.52  
EASTING: 29107.44  
ELEVATION: 5924.01

DATUM: NAVD 88

## REVIEW

STREET DESIGN FOR STORMWATER ENTERPRISES

UTILITY GRADE REVIEW	_____
CURB & GUTTER REVIEW	_____
FINAL REVIEW	_____
DRAINAGE DESIGN	_____
SIGNAGE AND STRIPING REVIEW	_____

THIS IS FILED IN ACCORDANCE WITH SECTION 7.7.906 (DRAINAGE ORDINANCE) OF THE CODE OF THE CITY OF COLORADO SPRINGS, 2001 AS AMENDED.

## ENGINEER'S STATEMENT

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID DETAILED PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE ESTABLISHED CRITERIA FOR DETAILED DRAINAGE PLANS AND SPECIFICATIONS, AND SAID DETAILED PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH THE MASTER PLAN OF THE DRAINAGE BASIN. SAID DETAILED DRAINAGE PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR DRAINAGE FACILITY(S) IS DESIGNED. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THE DETAILED DRAINAGE PLANS AND SPECIFICATIONS.

SIGNATURE: \_\_\_\_\_ DATE: 11/12/2021

PRINTED NAME: JEFFREY M. MOHR

EMAIL ADDRESS: JEFF.MOHR@ENERTIACG.COM

## DEVELOPER'S STATEMENT

COLORADO SPRINGS AIRPORT HEREBY CERTIFIES THAT THE STORM DRAINAGE FOR THE COLORADO SPRINGS AIRPORT INTEGRATION LOOP PHASE 4 PROJECT SHALL BE CONSTRUCTED ACCORDING TO THE DESIGN PRESENTED IN THIS PLAN. I UNDERSTAND THAT THE CITY OF COLORADO SPRINGS DOES NOT AND WILL NOT ASSUME LIABILITY FOR THE FACILITIES DESIGNED AND/OR CERTIFIED BY MY ENGINEER AND THAT ARE SUBMITTED TO THE CITY OF COLORADO SPRINGS PURSUANT TO SECTION 7.7.906 OF THE CITY CODE, AND CANNOT, ON BEHALF OF THE COLORADO SPRINGS AIRPORT, GUARANTEE THAT THE FINAL DESIGN REVIEW WILL ABSOLVE COLORADO SPRINGS AIRPORT AND / OR THEIR SUCCESSORS AND / OR ASSIGNS OF FUTURE LIABILITY FOR IMPROPER DESIGN.

NAME OF DEVELOPER/OWNER: COLORADO SPRINGS AIRPORT

AUTHORIZED SIGNATURE: \_\_\_\_\_ DATE: 11/12/2021

PRINTED NAME: TROY STOVER

TITLE: ASSISTANT DIRECTOR OF AVIATION

EMAIL: TSTOVER@SPRINGSGOV.COM

PHONE: (719) 550-1967

ADDRESS: 7770 MILTON E. PROBY PKWY, SUITE 550  
COLORADO SPRINGS, CO 80916

## CITY OF COLORADO SPRINGS STATEMENT

PLAN REVIEW BY THE CITY OF COLORADO SPRINGS IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH DESIGN CRITERIA. THE CITY OF COLORADO SPRINGS IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE CITY OF COLORADO SPRINGS, THROUGH THE APPROVAL OF THIS DOCUMENT, ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

AMENDMENT									
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NO.	DATE								
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COLORADO SPRINGS AIRPORT  
INTEGRATION LOOP PHASE 4  
STORM DRAIN CONSTRUCTION PLANS  
COLORADO SPRINGS, COLORADO

COVER SHEET

**811** FOR BURIED UTILITY INFORMATION  
**THREE (3) BUSINESS DAYS  
BEFORE YOU DIG  
CALL 811**  
(OR 1-800-922-1987)  
UTILITY NOTIFICATION  
CENTER OF COLORADO (UNCC)  
WWW.UNCC.ORG

VERIFY SCALE  
BAR IS ONE INCH ON  
ORIGINAL DRAWING.  
0 1" 1"

DATE: OCTOBER 28, 2022  
SHEET

**GENERAL CONSTRUCTION NOTES**

1. DEFINITIONS
  - A. OWNER - COLORADO SPRINGS AIRPORT
  - B. CONTRACTOR - AS DETERMINED BY BID.
  - C. ENGINEER - ENERTIA CONSULTING GROUP, LLC.
  - D. AGENCY OF JURISDICTION - THE CITY OF COLORADO SPRINGS - AUTHORIZED REPRESENTATIVE(S) OF THE CITY ENGINEERING DIVISION AND PUBLIC WORKS DEPARTMENT.
- CONTRACTOR SHALL HAVE IN CONTRACTOR'S POSSESSION AT ALL TIMES ONE (1) COPY OF CONSTRUCTION DOCUMENTS STAMPED AND SIGNED BY ENGINEER AND COLORADO SPRINGS, AND ONE (1) COPY OF THE LATEST EDITION OF THE COLORADO SPRINGS STANDARD SPECIFICATION MANUAL. ALL WORK SHALL COMPLY WITH THE COLORADO SPRINGS STANDARD SPECIFICATIONS, LATEST EDITION. THE ENGINEERING DESIGN AND CONCEPT REMAINS THE RESPONSIBILITY OF THE PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE APPEAR ON THE CONSTRUCTION DOCUMENTS. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO ENGINEER IMMEDIATELY.
2. WORK HOURS
  - A. ALL WORK ON THE PROJECT SHALL BE PERFORMED DURING REGULAR WORK HOURS, 7:00 A.M. UNTIL 7:00 P.M., MONDAY THROUGH FRIDAY, UNLESS OTHERWISE APPROVED BY THE CITY AND AIRPORT.
  - B. CONTRACTOR SHALL NOT PERFORM WORK OUTSIDE REGULAR WORK HOURS OR ON SATURDAY, SUNDAY OR ANY CITY HOLIDAY WITHOUT RECEIVING WRITTEN CONSENT FROM THE CITY AND AIRPORT. OBSERVED HOLIDAYS INCLUDE: NEW YEAR'S DAY, MARTIN LUTHER KING DAY, PRESIDENTS DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, VETERAN'S DAY, THANKSGIVING DAY, CHRISTMAS EVE, CHRISTMAS DAY.
  - C. REQUEST FOR WORK OUTSIDE REGULAR WORK HOURS SHALL BE RECEIVED TWO BUSINESS DAYS PRIOR TO THE PROPOSED DATE OF THE WORK.
3. PRECONSTRUCTION MEETINGS
  - A. CONTRACTOR SHALL SCHEDULE A PRECONSTRUCTION MEETING WITH COLORADO SPRINGS ENGINEERING STAFF AT LEAST 3 BUSINESS DAYS PRIOR TO THE START OF CONSTRUCTION. THOSE IN ATTENDANCE SHALL INCLUDE:
    - CONTRACTOR
    - OWNER
    - ENGINEER
    - COLORADO SPRINGS PUBLIC WORKS
    - CONTRACTOR
    - GEOTECHNICAL ENGINEER
    - ANY OTHER AFFECTED AGENCIES
  - B. CONSTRUCTION DOCUMENTS WITH THE COLORADO SPRINGS REVIEW STAMP AND SIGNATURE SHALL BE DISTRIBUTED AT THE PRECONSTRUCTION MEETING.
4. CONTRACTOR SHALL RESTRICT CONSTRUCTION ACTIVITY TO THE DESIGNATED LIMIT OF CONSTRUCTION AND AREAS DEFINED AS PERMANENT AND/OR TEMPORARY CONSTRUCTION EASEMENTS, AND AREAS UNDER OWNERSHIP OF OWNER, UNLESS OTHERWISE AUTHORIZED BY THE AFFECTED PROPERTY OWNER AND ACKNOWLEDGED BY COLORADO SPRINGS AND THE AIRPORT. PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES, CONTRACTOR SHALL OBTAIN WRITTEN AGREEMENTS FOR INGRESS AND EGRESS TO THE WORK SITE FROM ADJACENT PRIVATE PROPERTY OWNERS. ACCESS TO ANY ADJACENT PRIVATE PROPERTY SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
5. CONTRACTOR SHALL VERIFY ACCURACY BETWEEN WORK SET FORTH ON THESE CONSTRUCTION DOCUMENTS AND WORK REQUIRED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF ENGINEER PRIOR TO START OF CONSTRUCTION.
6. ENGINEER SHALL COORDINATE ANY PROPOSED CHANGES WITH COLORADO SPRINGS PUBLIC WORKS.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING NOTIFICATIONS:
  - A. UTILITY NOTIFICATION CENTER OF COLORADO, 1-800-922-1987. CALL TWO (2) BUSINESS DAYS PRIOR (NOT INCLUDING THE DAY OF THE CALL) TO DIGGING, GRADING OR EXCAVATING FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.
    - I. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION, SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES, WHETHER SHOWN OR NOT SHOWN ON THE APPROVED CONSTRUCTION DOCUMENTS.
    - II. PROVIDING NOTIFICATION AND RECEIVING MARKINGS OF UNDERGROUND MEMBER UTILITIES IN NO WAY CONSTITUTES PERMISSION TO PERFORM CONSTRUCTION.
  - B. COLORADO SPRINGS 24 HOURS IN ADVANCE FOR OBSERVATIONS OF WORK IN PROGRESS. OBSERVATION AND ONSITE VISITS ARE NOT TO BE CONSTRUED AS A GUARANTEE OR APPROVAL BY COLORADO SPRINGS STAFF OF CONTRACTOR'S WORK OR CONTRACTUAL COMMITMENT. IF WORK IS SUSPENDED FOR LONGER THAN 5 DAYS AFTER INITIAL START-UP, CONTRACTOR SHALL NOTIFY THE COLORADO SPRINGS CONSTRUCTION INSPECTION SUPERVISOR ONE (1) BUSINESS DAYS (24 HOURS) PRIOR TO RESTART OF CONSTRUCTION.
  - C. COLORADO SPRINGS, THE OWNER AND FIRE DISTRICT FOR ANY STREET CLOSURES AND EXISTING FIRE HYDRANTS TAKEN OUT OF SERVICE, AT LEAST 2 BUSINESS DAYS (48 HOURS) PRIOR TO THE START OF CONSTRUCTION.
8. FOR DEVELOPMENT WORK, OWNER SHALL OBTAIN AT OWNER'S EXPENSE, ALL PERMITS NECESSARY TO PERFORM THE PROPOSED WORK.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL DURING CONSTRUCTION:
  - A. CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLANS TO COLORADO SPRINGS PUBLIC WORKS FOR APPROVAL PRIOR TO CONSTRUCTION.
  - B. ALL SIGNS, STRIPING AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO AND PLACEMENT SHALL BE PERFORMED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION AND CDOT M45 STANDARDS, LATEST EDITION.
  - C. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND CLEANING OF TRAFFIC CONTROL DEVICES.
  - D. CONTRACTOR SHALL MAINTAIN EXISTING PAVEMENT MARKINGS DURING CONSTRUCTION OPERATIONS, IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS AND COLORADO SPRINGS STANDARDS AND SPECIFICATIONS.
  - E. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY A METHOD THAT DOES NOT MATERIALLY DAMAGE THE SURFACE OR TEXTURE OF THE PAVEMENT OR EXISTING SURFACING. THE PAVEMENT MARKINGS SHALL BE REMOVED TO THE EXTENT THAT THEY ARE NOT VISIBLE UNDER DAY OR NIGHT CONDITIONS.
10. WHEN DISCHARGING GROUNDWATER (IF APPLICABLE), ALL DEWATERING METHODS SHALL BE IN CONFORMANCE WITH ALL LAWS AND REGULATIONS OF THE STATE INCLUDING OBTAINING A COLORADO DISCHARGE PERMIT SYSTEM FOR CONSTRUCTION DEWATERING WASTEWATER DISCHARGE AND SUBJECT TO THE APPROVAL OF COLORADO SPRINGS. CONTRACTOR SHALL TAKE ALL NECESSARY AND PROPER PRECAUTIONS TO PROTECT ADJACENT PROPERTIES FROM ANY AND ALL DAMAGE THAT MAY OCCUR FROM STORMWATER RUNOFF AND/OR DEPOSITION OF DEBRIS RESULTING FROM ANY AND ALL WORK.
11. CONTRACTOR SHALL RESTORE ANY DISTURBED AREAS TO EQUAL OR BETTER CONDITION THAN EXISTED BEFORE CONSTRUCTION. DRAINAGE DITCHES OR WATERCOURSES THAT ARE DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO THE GRADES AND CROSS-SECTIONS THAT EXISTED BEFORE CONSTRUCTION, UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION DOCUMENTS.
12. CONTRACTOR SHALL CAREFULLY PRESERVE BENCHMARKS, PROPERTY CORNERS, REFERENCE POINTS, STAKES AND OTHER SURVEY REFERENCE MONUMENTS OR MARKERS. IN CASES OF WILLFUL OR CARELESS DESTRUCTION, CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATIONS. RESETTling OF MARKERS SHALL BE PERFORMED UNDER THE DIRECTION OF A COLORADO LICENSED PROFESSIONAL LAND SURVEYOR AND AS APPROVED BY COLORADO SPRINGS.
13. CONTRACTOR SHALL IMMEDIATELY REMOVE ANY CONSTRUCTION DEBRIS AND MUD TRACKED ONTO EXISTING ROADWAYS. CONTRACTOR SHALL REPAIR ANY EXCAVATION OR PAVEMENT FAILURES CAUSED BY THE CONSTRUCTION.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL STATE AND COLORADO SPRINGS DUST AND EROSION CONTROL ORDINANCES. CONSTRUCTION VEHICLES SHALL USE TRUCK ROUTES DESIGNATED BY COLORADO SPRINGS.
15. ALL CONCRETE AND ASPHALT MIXTURE DESIGNS SHALL BE APPROVED BY COLORADO SPRINGS PUBLIC WORKS PRIOR TO PLACEMENT OF CONCRETE AND ASPHALT.
16. WORK IN PUBLIC STREETS SHALL BE PERFORMED IN A MANNER THAT PROVIDES MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND THE GENERAL PUBLIC.
17. ALL PAVEMENT CUTS AND EXPLORATORY POTHoles SHALL BE REPAIRED AS REQUIRED BY COLORADO SPRINGS PUBLIC WORKS AND THE OWNER.
18. NO ROADWAY SHALL BE OPEN CUT UNLESS APPROVED BY COLORADO SPRINGS PUBLIC WORKS AND THE OWNER.
19. OWNER SHALL SUBMIT A PAPER COPY OF REDLINED RECORD CONSTRUCTION DOCUMENTS TO COLORADO SPRINGS PRIOR TO THE CONSTRUCTION ACCEPTANCE INSPECTION. REFER TO THE COLORADO SPRINGS STANDARDS AND SPECIFICATIONS FOR ADDITIONAL RECORD DOCUMENT SUBMITTAL REQUIREMENTS.
20. PRIOR TO CONSTRUCTION ACCEPTANCE, ENGINEER SHALL SUBMIT A PLAN OF PROPOSED LOCATIONS FOR INSTALLATION OF RANGE POINTS TO COLORADO SPRINGS FOR APPROVAL. RANGE POINTS SHALL BE SET IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLES 51 AND 53 OF TITLE 38 OF THE COLORADO REVISED STATUTES, AND AS REQUIRED BY THE BYLAWS AND RULES OF PROCEDURE OF THE COLORADO STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND PROFESSIONAL LAND SURVEYORS. RANGE POINTS SHALL BE SET IN VALVE BOXES THAT COMPLY WITH THE COLORADO SPRINGS STANDARDS AND SPECIFICATIONS WITH BOX LIDS MARKED "SURVEY POINT", OR AS OTHERWISE APPROVED BY THE CITY ENGINEER.

**GENERAL ENGINEERING NOTES**

1. CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING NOTIFICATIONS AND VERIFICATIONS:
  - a. UTILITY NOTIFICATION CENTER OF COLORADO, 1-800-922-1987. CALL TWO (2) BUSINESS DAYS PRIOR TO AND ALL DIGGING, GRADING OR EXCAVATING FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.
  - b. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION, SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES, WHETHER SHOWN OR NOT SHOWN ON THE APPROVED CONSTRUCTION DOCUMENTS.
  - c. PROVIDING NOTIFICATION AND RECEIVING MARKINGS OF UNDERGROUND MEMBER UTILITIES IN NO WAY CONSTITUTES PERMISSION TO PERFORM CONSTRUCTION.
  - d. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION, PROTECTION, AND REPAIR OF ALL UTILITIES ENCOUNTERED DURING CONSTRUCTION, WHETHER SHOWN ON THESE PLANS OR NOT. THE CONTRACTOR SHALL CONTACT ALL RESPECTIVE UTILITIES AND HAVE ALL UTILITIES FIELD LOCATED PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING STRUCTURES AND UTILITIES SHOWN ON THE DRAWINGS, TO ASCERTAIN WHETHER ANY STRUCTURES AND UTILITIES THAT MIGHT BE DAMAGED.
  - e. LOCATIONS OF UTILITIES REPRESENT THE BEST KNOWN LOCATIONS AT THE TIME OF PREPARATION OF DRAWINGS. THE CONTRACTOR SHALL FIELD LOCATE ALL UTILITIES IN ADVANCE OF EXCAVATION. RELOCATION OF UTILITIES IS ANTICIPATED FOR THIS PROJECT. WHERE REQUIRED, THE CONTRACTOR SHALL COOPERATE WITH COMPANIES TRYING TO COORDINATE THE RELOCATION EFFORT. LINES NOT RELOCATED SHALL BE PROTECTED BY THE CONTRACTOR. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THE MINOR ADJUSTMENT OF STRUCTURES IN ORDER TO CLEAR A CONFLICTING UTILITY.
2. THE CONTRACTOR SHALL NOTIFY CITY OF COLORADO SPRINGS PUBLIC WORKS AT LEAST 48 HOURS PRIOR TO STARTING CONSTRUCTION WITHIN THE RIGHT-OF-WAY.
3. THE CONTRACTOR SHALL PROVIDE ALL SIGNS, BARRICADES, FLAGMEN, LIGHTS OR OTHER DEVICES NECESSARY FOR SAFE TRAFFIC CONTROL IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND AS MODIFIED BY THE COLORADO SUPPLEMENT TO THE MUTCD. A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO AND APPROVED BY THE CITY OF COLORADO SPRINGS PUBLIC WORKS PRIOR TO THE ISSUANCE OF ANY CONSTRUCTION PERMIT FOR WORK WITHIN RIGHT-OF-WAY.
4. EXISTING ASPHALT PAVEMENT SHALL BE STRAIGHT SAWCUT OR BLADECUT WHEN ADJOINING WITH NEW ASPHALT PAVEMENT. EXISTING PAVEMENT THAT IS TO REMAIN IN PLACE SHALL BE SAW CUT TO A NEAT VERTICAL LINE WITH A CONCRETE PAVEMENT SAW OR OTHER METHOD AS APPROVED BY THE ENGINEER AND GOVERNING MUNICIPALITY. REMOVED PAVEMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF-SITE. ANY AND ALL WORK ASSOCIATED WITH ASPHALT PAVEMENT SAWING AND/OR DISPOSAL SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCIDENTAL TO THE ITEM OF WORK. WHERE EXISTING BITUMINOUS PAVEMENT IS SAWCUT TO ABUT THE NEW BITUMINOUS PAVEMENT, THE SAWCUT VERTICAL EDGE SHALL BE PAINTED WITH EMULSIFIED ASPHALT (SLOW-SETTING).
5. STRUCTURAL SECTION SHALL BE PER THE FINAL PAVEMENT DESIGN REPORT BY THE GEOTECHNICAL ENGINEER AND APPROVED BY THE CITY OF COLORADO SPRINGS PUBLIC WORKS WITH PAVEMENT DESIGN IN ACCORDANCE WITH THE CITY OF COLORADO SPRINGS ROADWAY DESIGN AND CONSTRUCTION MANUAL.
6. CONCRETE MAY BE PLACED BY MACHINE METHODS PROVIDED THAT ALL FINISH LINES ARE WITHIN 1/8" +/- TOLERANCE OF THE LINES SHOWN ON THE PLANS. THE FLOWLINE MUST BE FREE DRAINING.
7. CONTRACTOR SHALL HAVE IN CONTRACTOR'S POSSESSION AT ALL TIMES ONE (1) COPY OF THE GEOTECHNICAL REPORT.
8. PROOF ROLLING WILL NOT BE MEASURED AND PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE WORK. PROOF ROLLING MUST OCCUR PRIOR TO PAVING.
9. ANY LAYER OF BITUMINOUS PAVEMENT THAT IS TO HAVE A SUCCEEDING LAYER PLACED THEREON SHALL BE COMPLETED FULL WIDTH BEFORE THE SUCCEEDING LAYER IS PLACED.
10. A TACK COAT IS REQUIRED PRIOR TO THE PLACEMENT OF SUBSEQUENT LIFTS OF HOT BITUMINOUS PAVEMENT (HBP).
11. BEFORE PLACEMENT OF THE TACK COAT, THE CONTRACTOR SHALL CLEAN THE ROADWAY AS DIRECTED BY ENGINEER. CLEANING SHALL NOT BE MEASURED AND PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL TO THE HBP.
12. IF NECESSARY, A PICK-UP TYPE BROOM SHALL PERFORM ALL SWEEPING OPERATIONS. SWEEPING OPERATIONS NOT BE MEASURED AND PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE WORK.
13. ALL EXCESS PAVING MATERIAL WILL BECOME THE PROPERTY OF THE CONTRACTOR AND WILL BE DISPOSED PROPERLY BY THE CONTRACTOR.
14. ALL STRIPING SHALL MEET THE REQUIREMENTS OUTLINED IN THE MUTCD AND BY THE CITY OF COLORADO SPRINGS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PLACEMENT AND MAINTENANCE OF ALL NECESSARY TEMPORARY AND PERMANENT PAVEMENT MARKINGS UNTIL CONSTRUCTION ACCEPTANCE IS ISSUED.
15. ALL ASPHALT MIXTURE DESIGNS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF CONCRETE AND ASPHALT.

**SUPPLEMENTAL CONSTRUCTION NOTES**

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION, PROTECTION, AND REPAIR OF ALL UTILITIES ENCOUNTERED DURING CONSTRUCTION, WHETHER SHOWN ON THESE PLANS OR NOT. THE CONTRACTOR SHALL CONTACT ALL RESPECTIVE UTILITIES AND HAVE ALL UTILITIES FIELD LOCATED PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING STRUCTURES AND UTILITIES SHOWN ON THE DRAWINGS, TO ASCERTAIN WHETHER ANY STRUCTURES AND UTILITIES MAY EXIST, AND TO REPAIR OR REPLACE ANY STRUCTURES AND UTILITIES THAT MIGHT BE DAMAGED.
2. ALL OFFSITE WORK (IF APPLICABLE) WILL REQUIRE A WRITTEN AUTHORIZATION OR TEMPORARY CONSTRUCTION EASEMENT FROM THE PROPERTY OWNER PRIOR TO THE COMMENCEMENT OF WORK.
3. SEE LANDSCAPING CONSTRUCTION DOCUMENTS FOR DETAILS AND SPECIFICATIONS FOR LANDSCAPING AND WALLS (IF APPLICABLE).
4. THE PROPOSED TYPE R INLETS SET IN THE CURB ARE LABELED TO THE PROJECTED GUTTER FLOWLINE ELEVATION AT THE INLET AND DOES NOT INCLUDE GUTTER DEPRESSION.
5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF COLORADO SPRINGS STANDARDS.
6. VERIFY EXISTING UTILITY LOCATIONS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER IF ANY CONFLICTS WITH THE DRAWINGS OCCUR.
7. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT EXISTING UTILITY LINES WHICH MAY NOT BE SHOWN.
8. ADA ACCESSIBLE ROUTES SHALL NOT HAVE A CROSS SLOPE GREATER THAN 2% AND A LONGITUDINAL SLOPE GREATER THAN 5% UNLESS OTHERWISE NOTED ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF THESE CRITERIA ARE NOT MET.

AMENDMENT									

DATE									

NO.									



**COLORADO SPRINGS AIRPORT**  
 INTEGRATION LOOP PHASE 4  
 STORM DRAIN CONSTRUCTION PLANS  
 COLORADO SPRINGS, COLORADO  
**GENERAL NOTES**

**REVIEW**

- STREET DESIGN FOR STORMWATER ENTERPRISES \_\_\_\_\_
- UTILITY GRADE REVIEW \_\_\_\_\_
- CURB & GUTTER REVIEW \_\_\_\_\_
- FINAL REVIEW \_\_\_\_\_
- DRAINAGE DESIGN \_\_\_\_\_
- SIGNAGE AND STRIPING REVIEW \_\_\_\_\_

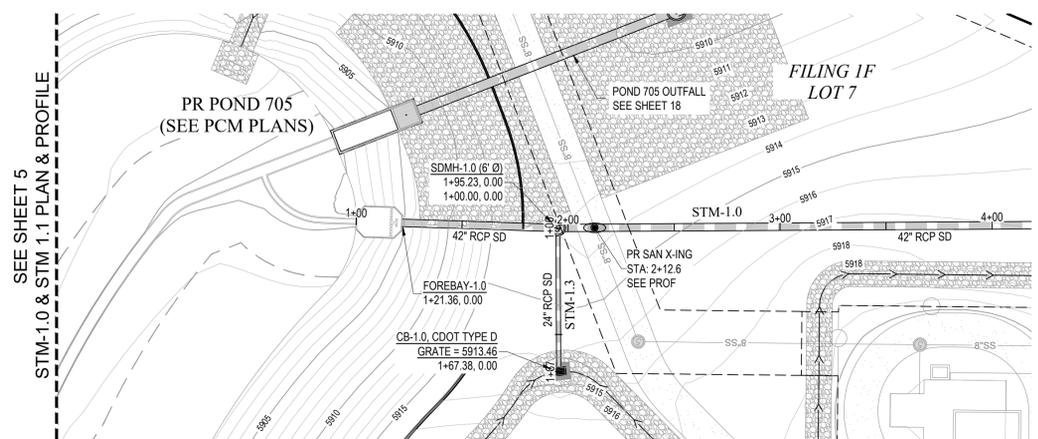
THIS IS FILED IN ACCORDANCE WITH SECTION 7.7.906 (DRAINAGE ORDINANCE) OF THE CODE OF THE CITY OF COLORADO SPRINGS, 2001 AS AMENDED.

FOR BURIED UTILITY INFORMATION  
**THREE (3) BUSINESS DAYS**  
**BEFORE YOU DIG**  
**CALL 811**  
(OR 1-800-922-1987)  
 UTILITY NOTIFICATION  
 CENTER OF COLORADO (UNCC)  
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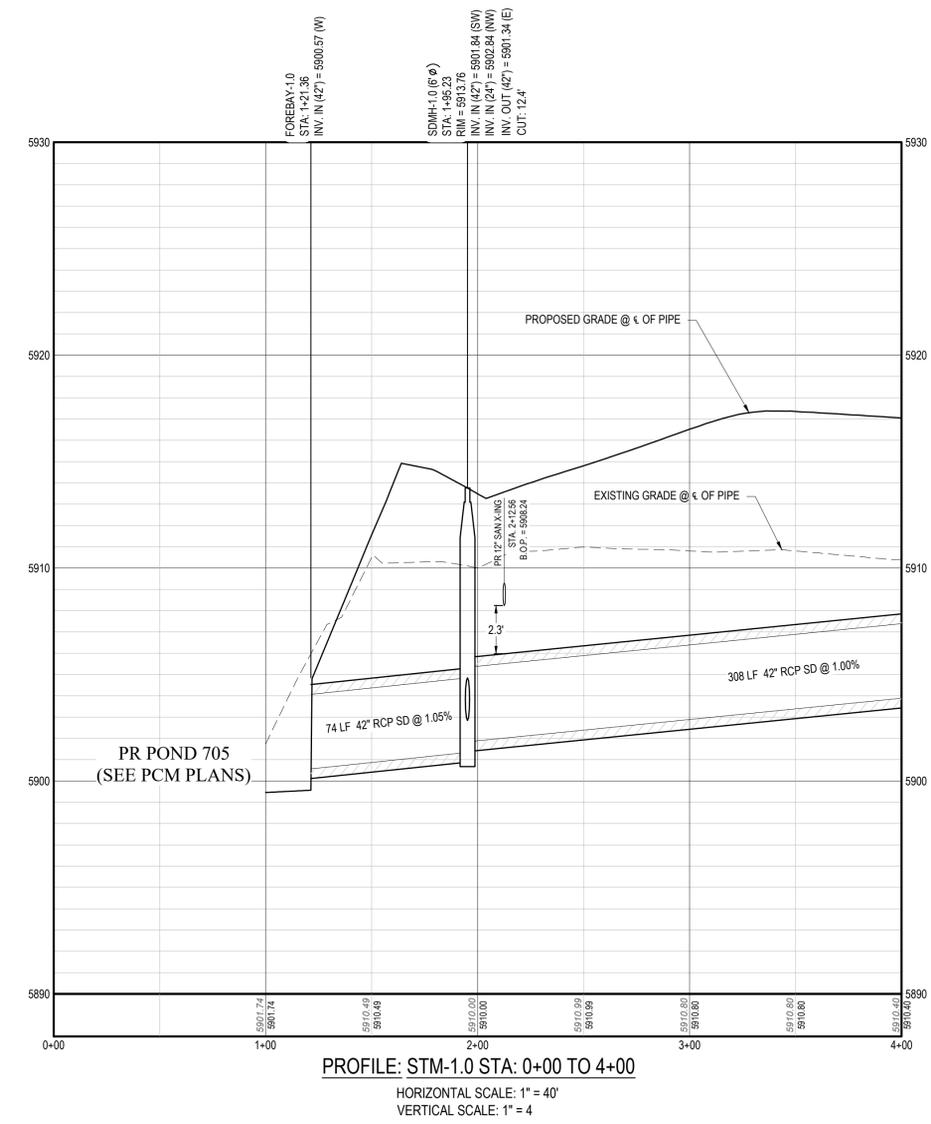
VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1" 1"

DATE: OCTOBER 28, 2022  
SHEET

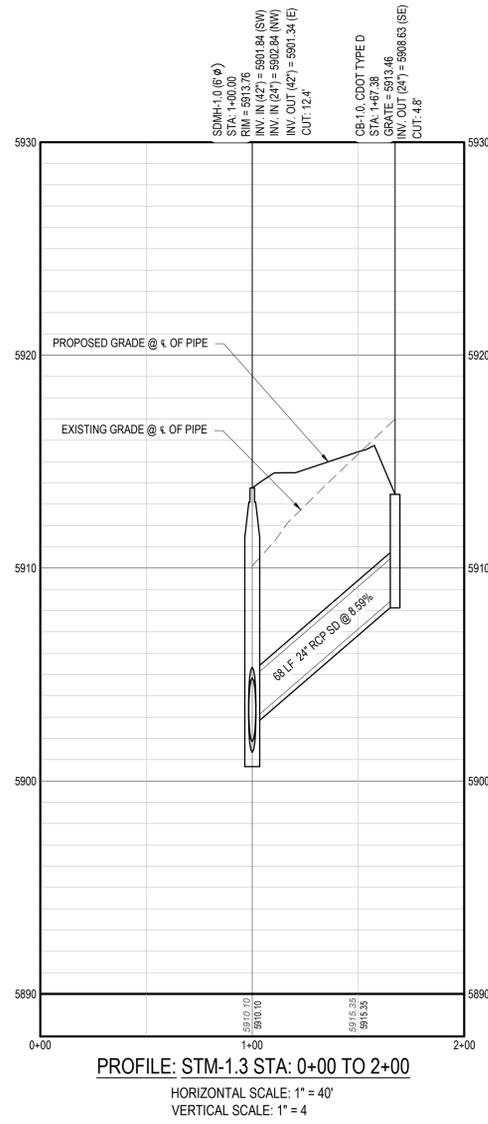




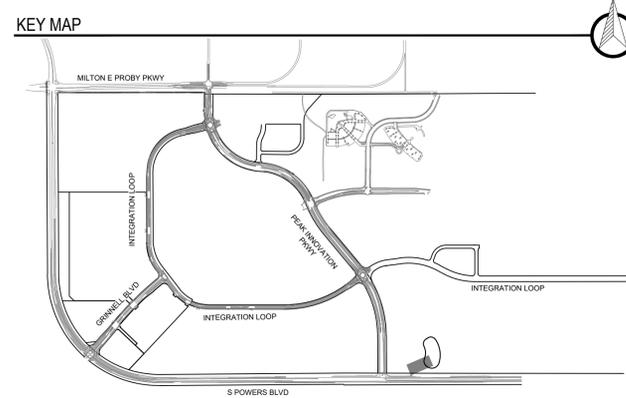
**PLAN: STM-1.0 & STM 1.3 PLAN & PROFILE**  
HORIZONTAL SCALE: 1" = 40'



**PROFILE: STM-1.0 STA: 0+00 TO 4+00**  
HORIZONTAL SCALE: 1" = 40'  
VERTICAL SCALE: 1" = 4'



**PROFILE: STM-1.3 STA: 0+00 TO 2+00**  
HORIZONTAL SCALE: 1" = 40'  
VERTICAL SCALE: 1" = 4'

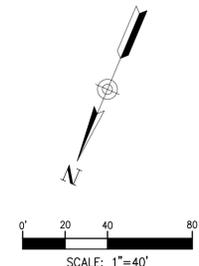


**STORM DRAIN NOTES**

1. ALL DRAINAGE IMPROVEMENTS ARE PRIVATE AND NON-REIMBURSABLE.
2. ALL REINFORCED CONCRETE PIPE IS CLASS III.
3. ALL CURB & GUTTER IS COCS TYPE 2 UNLESS OTHERWISE NOTED.
4. ALL INLETS SHOULD BE CONSTRUCTED PER CDOT STANDARDS & SPECIFICATIONS.
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11. ALL STUBS SHALL BE AS-BUILT SURVEYED AND MARKED WITH A 2X4 POST.
12. FLARED END SECTIONS ARE LABELED AT THE JOINT OF THE DRAIN PIPE AND FLARED END SECTION.

**LEGEND**

- PR. 5' CONTOUR
- PR. 1' CONTOUR
- EX. 5' CONTOUR
- EX. 1' CONTOUR
- PR. STORM DRAIN
- EX. STORM DRAIN



**REVIEW**

STREET DESIGN FOR STORMWATER ENTERPRISES	_____
UTILITY GRADE REVIEW	_____
CURB & GUTTER REVIEW	_____
FINAL REVIEW	_____
DRAINAGE DESIGN	_____
SIGNAGE AND STRIPING REVIEW	_____

THIS IS FILED IN ACCORDANCE WITH SECTION 7.7.906 (DRAINAGE ORDINANCE) OF THE CODE OF THE CITY OF COLORADO SPRINGS, 2001 AS AMENDED.

**FOR BURIED UTILITY INFORMATION  
THREE (3) BUSINESS DAYS  
BEFORE YOU DIG  
CALL 811**  
(OR 1-800-922-1987)  
UTILITY NOTIFICATION  
CENTER OF COLORADO (UNCC)  
WWW.UNCC.ORG

NO.	DATE	AMENDMENT

**COLORADO SPRINGS AIRPORT**

INTEGRATION LOOP PHASE 4  
STORM DRAIN CONSTRUCTION PLANS  
COLORADO SPRINGS, COLORADO

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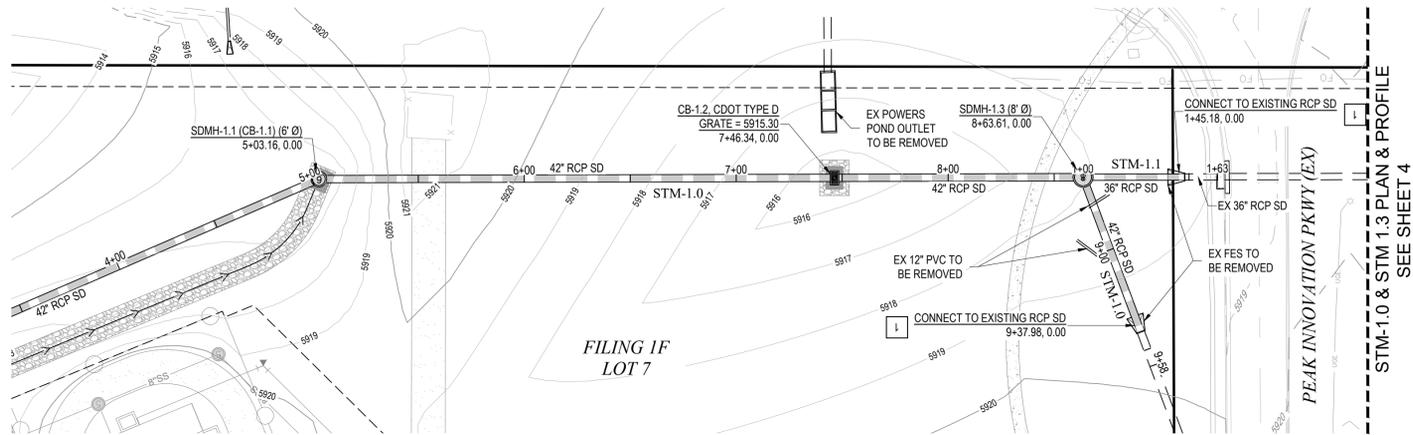
**STM-1.0 & STM 1.3 PLAN & PROFILE**

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VERIFY SCALE  
BAR IS ONE INCH ON  
ORIGINAL DRAWING  
0" = 1"

DATE: OCTOBER 28, 2022  
SHEET

**4 OF 19**



**PLAN: STM-1.0 & STM 1.1 PLAN & PROFILE**  
 HORIZONTAL SCALE: 1" = 40'

**KEY MAP**



**STORM DRAIN NOTES**

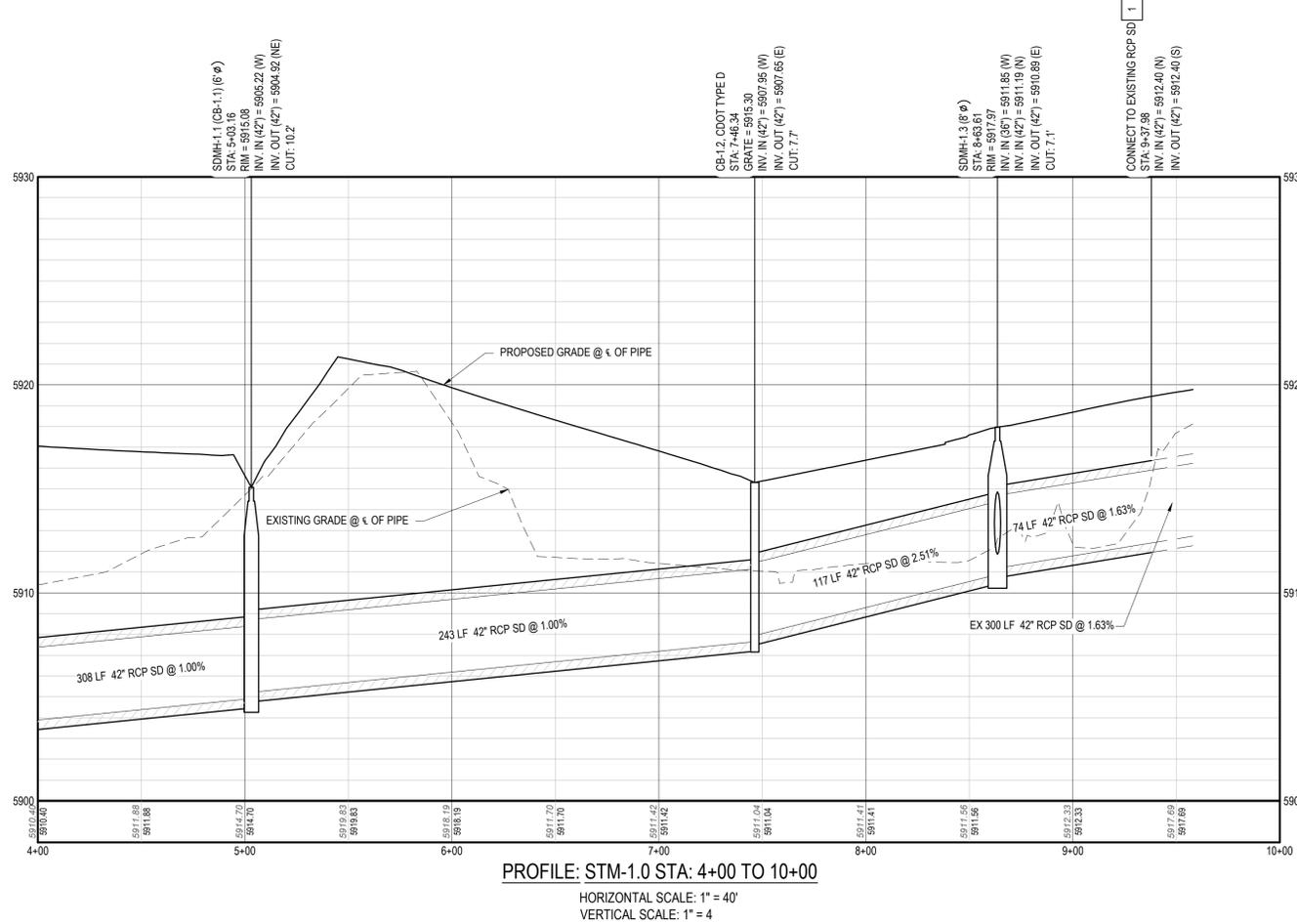
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**LEGEND**

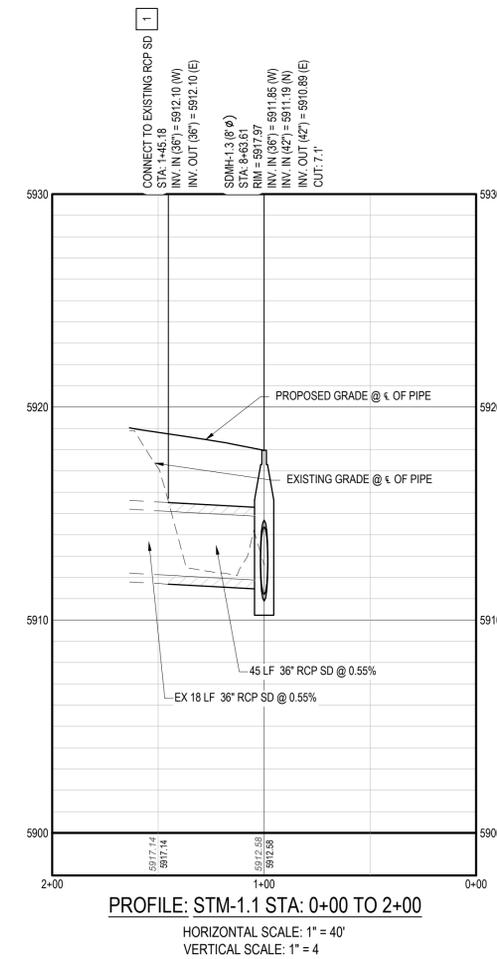
- PR. 5' CONTOUR
- PR. 1' CONTOUR
- EX. 5' CONTOUR
- EX. 1' CONTOUR
- PR. STORM DRAIN
- EX. STORM DRAIN

**PLAN NOTES**

1. AS THE FIRST ORDER OF WORK FOLLOWING RCP DEMILITION, CONTRACTOR SHALL VERIFY TIE-IN ELEVATION IS PER PLAN AND IMMEDIATELY REPORT ANY DISCREPANCIES TO ENGINEER.



**PROFILE: STM-1.0 STA: 4+00 TO 10+00**  
 HORIZONTAL SCALE: 1" = 40'  
 VERTICAL SCALE: 1" = 4'



**PROFILE: STM-1.1 STA: 0+00 TO 2+00**  
 HORIZONTAL SCALE: 1" = 40'  
 VERTICAL SCALE: 1" = 4'

**REVIEW**

- STREET DESIGN FOR STORMWATER ENTERPRISES
- UTILITY GRADE REVIEW
- CURB & GUTTER REVIEW
- FINAL REVIEW
- DRAINAGE DESIGN
- SIGNAGE AND STRIPING REVIEW

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COLORADO SPRINGS AIRPORT  
 INTEGRATION LOOP PHASE 4  
 STORM DRAIN CONSTRUCTION PLANS  
 COLORADO SPRINGS, COLORADO

STM-1.0 & STM 1.1 PLAN & PROFILE

VERIFY SCALE  
 BAR IS ONE INCH ON  
 ORIGINAL DRAWING  
 DATE: OCTOBER 28, 2022  
 SHEET



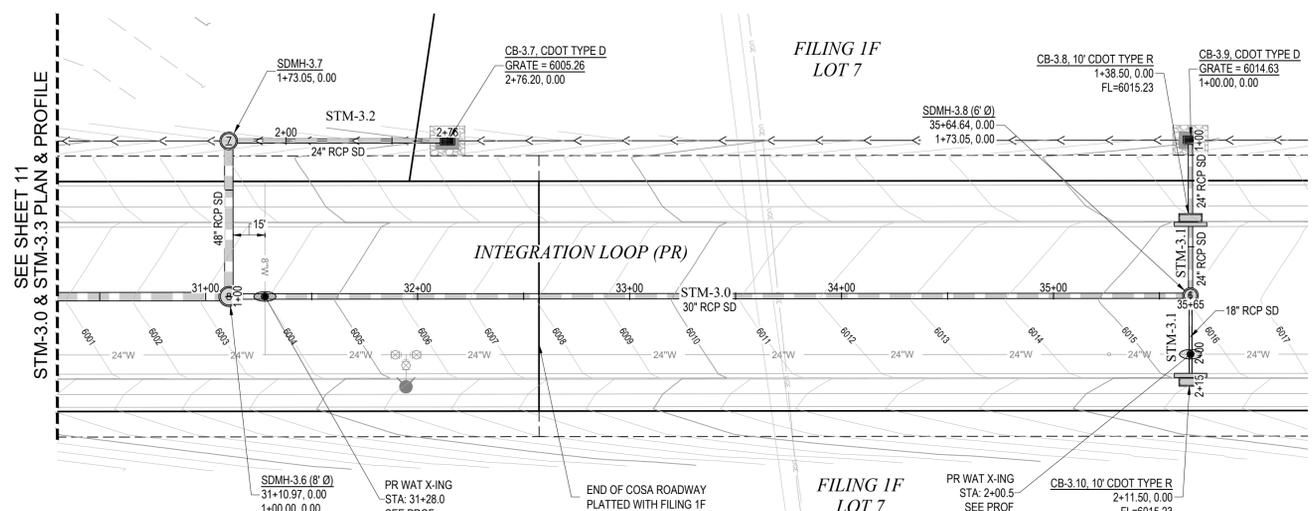




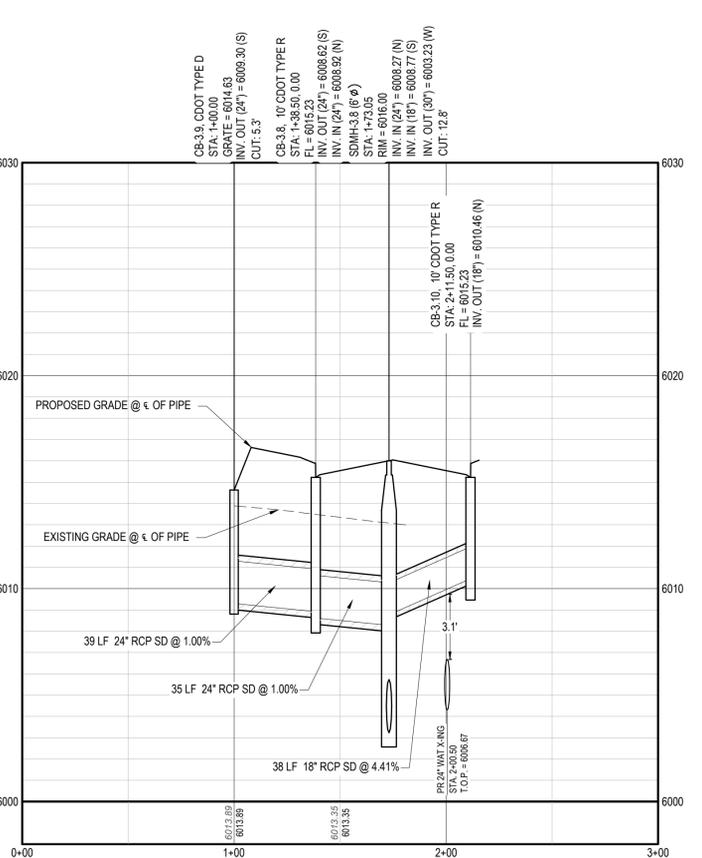




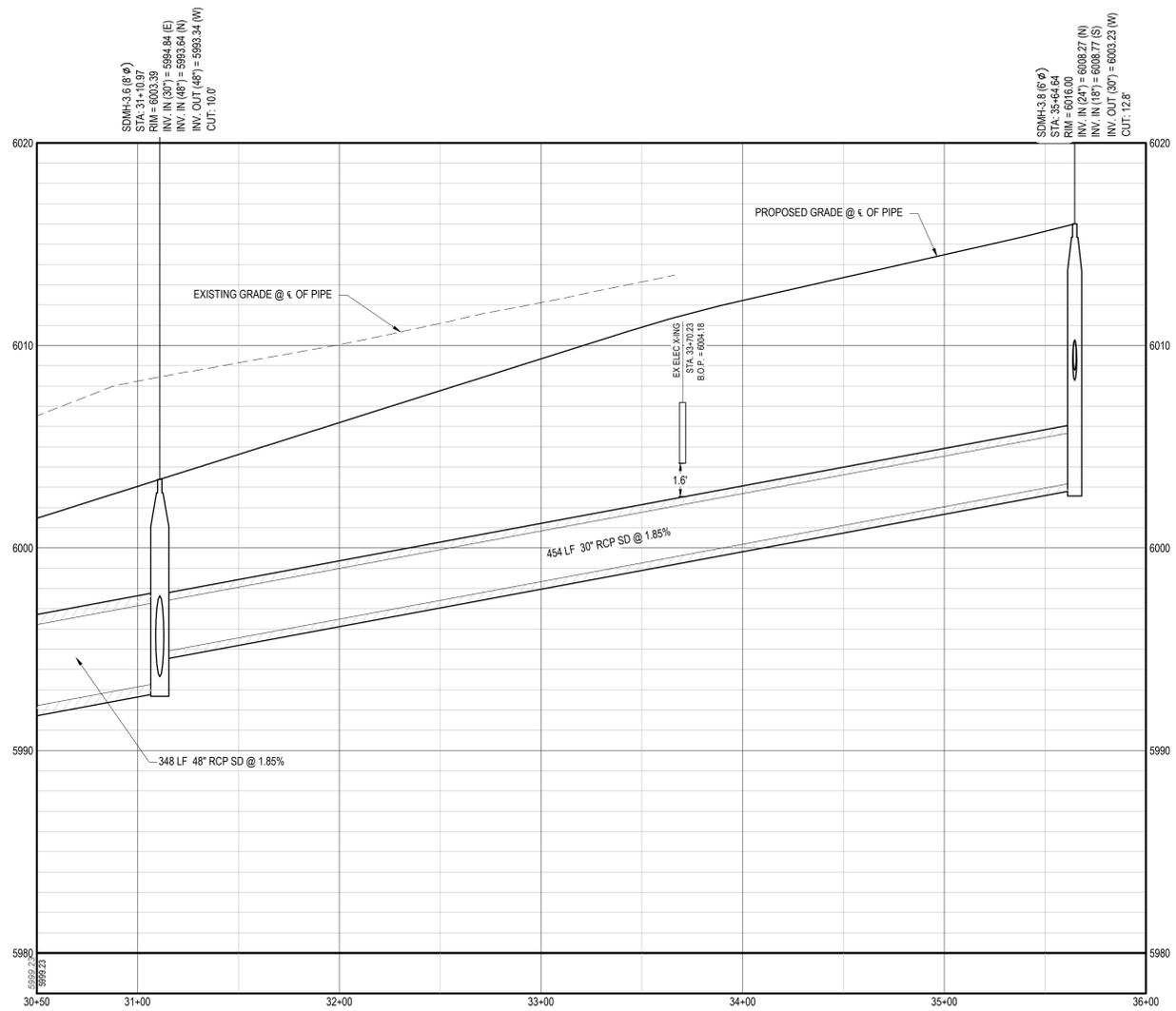




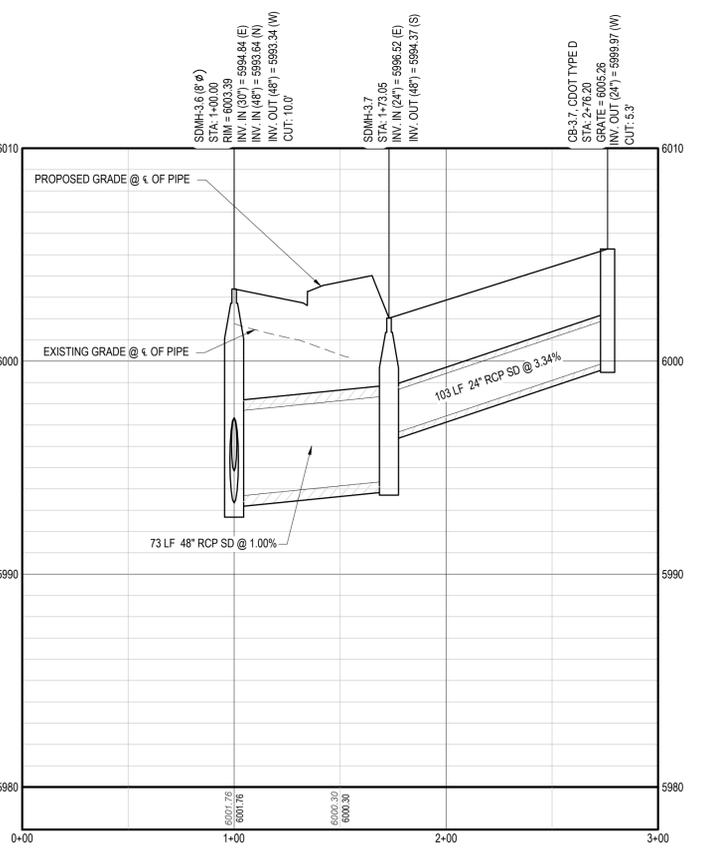
PLAN: STM-3.0, STM-3.1, & STM-3.2  
HORIZONTAL SCALE: 1" = 40'



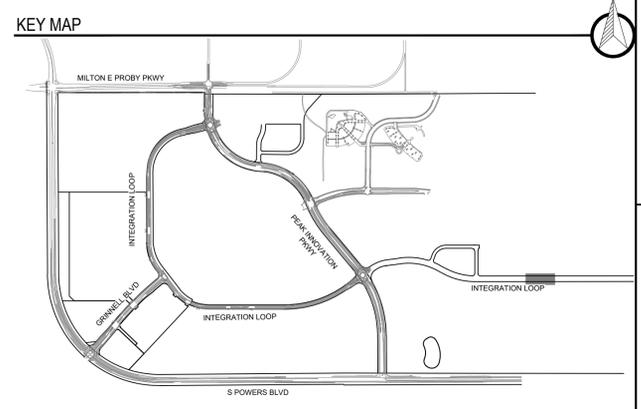
PROFILE: STM-3.1 STA: 0+00 TO 3+00  
HORIZONTAL SCALE: 1" = 40'  
VERTICAL SCALE: 1" = 4'



PROFILE: STM-3.0 STA: 30+50 TO 36+00  
HORIZONTAL SCALE: 1" = 40'  
VERTICAL SCALE: 1" = 4'



PROFILE: STM-3.2 STA: 0+00 TO 3+00  
HORIZONTAL SCALE: 1" = 40'  
VERTICAL SCALE: 1" = 4'

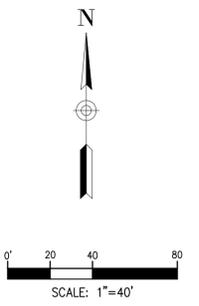


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**LEGEND**

- PR. 5' CONTOUR
- PR. 1' CONTOUR
- EX. 5' CONTOUR
- EX. 1' CONTOUR
- PR. STORM DRAIN
- EX. STORM DRAIN



**REVIEW**

STREET DESIGN FOR STORMWATER ENTERPRISES	_____
UTILITY GRADE REVIEW	_____
CURB & GUTTER REVIEW	_____
FINAL REVIEW	_____
DRAINAGE DESIGN	_____
SIGNAGE AND STRIPING REVIEW	_____

THIS IS FILED IN ACCORDANCE WITH SECTION 7.7.906 (DRAINAGE ORDINANCE) OF THE CODE OF THE CITY OF COLORADO SPRINGS, 2001 AS AMENDED.

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 WWW.UNCC.ORG

NO.	DATE	AMENDMENT

**URBAN FRONTIER**

**COLORADO SPRINGS AIRPORT**

**ENERTIA CONSULTING GROUP**

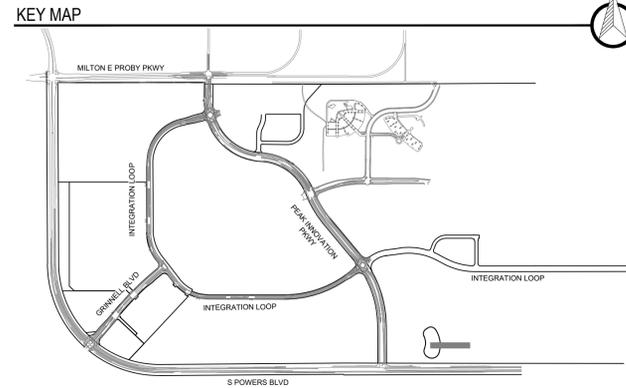
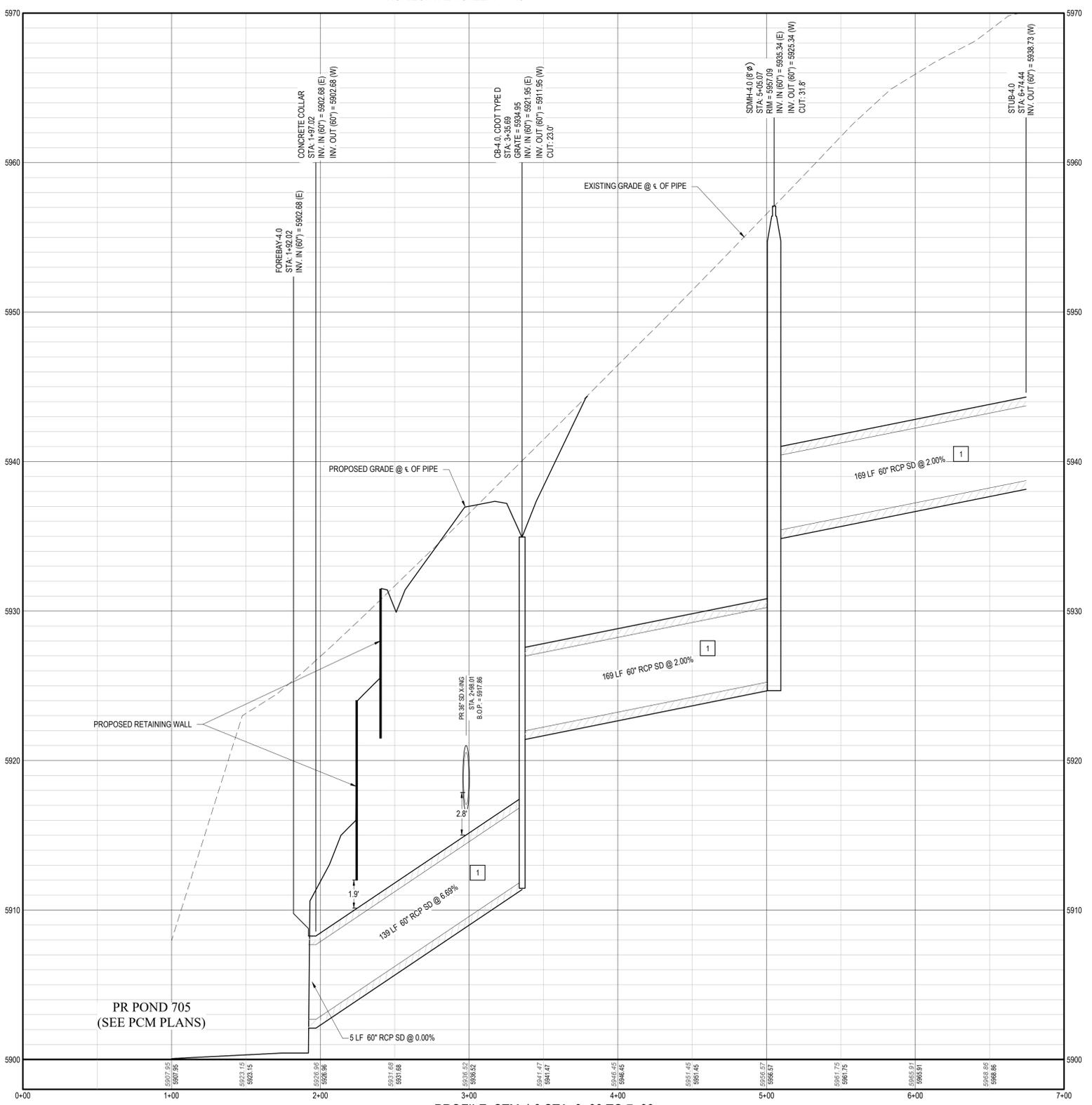
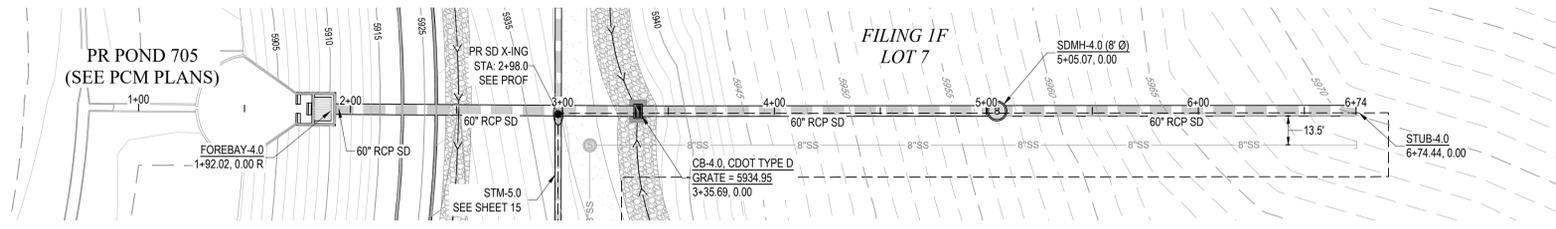
**COLORADO SPRINGS AIRPORT**  
 INTEGRATION LOOP PHASE 4  
 STORM DRAIN CONSTRUCTION PLANS  
 COLORADO SPRINGS, COLORADO

**STM-3.0, 3.1, & 3.2 PLAN & PROFILE**

VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING.

DATE: OCTOBER 28, 2022  
 SHEET

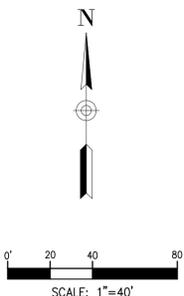
**12 OF 19**



- STORM DRAIN NOTES**
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- LEGEND**
- PR. 5' CONTOUR
  - PR. 1' CONTOUR
  - EX. 5' CONTOUR
  - EX. 1' CONTOUR
  - PR. STORM DRAIN
  - EX. STORM DRAIN

- PLAN NOTES**
1. DO TO INSTALLATION DEPTH, STM-4.0 SHALL BE CONSTRUCTED WITH CLASS IV RCP AND TYPE 2 BEDDING. SEE SHEET 19 FOR TYPE 2 MINIMUM BEDDING REQUIREMENTS.



**REVIEW**

STREET DESIGN FOR STORMWATER ENTERPRISES	_____
UTILITY GRADE REVIEW	_____
CURB & GUTTER REVIEW	_____
FINAL REVIEW	_____
DRAINAGE DESIGN	_____
SIGNAGE AND STRIPING REVIEW	_____

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URBAN FRONTIER

COLORADO SPRINGS AIRPORT

ENERTIA CONSULTING GROUP

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 COLORADO SPRINGS, COLORADO

STM-4.0 PLAN & PROFILE

VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING @ 1"

DATE: OCTOBER 28, 2022  
 SHEET

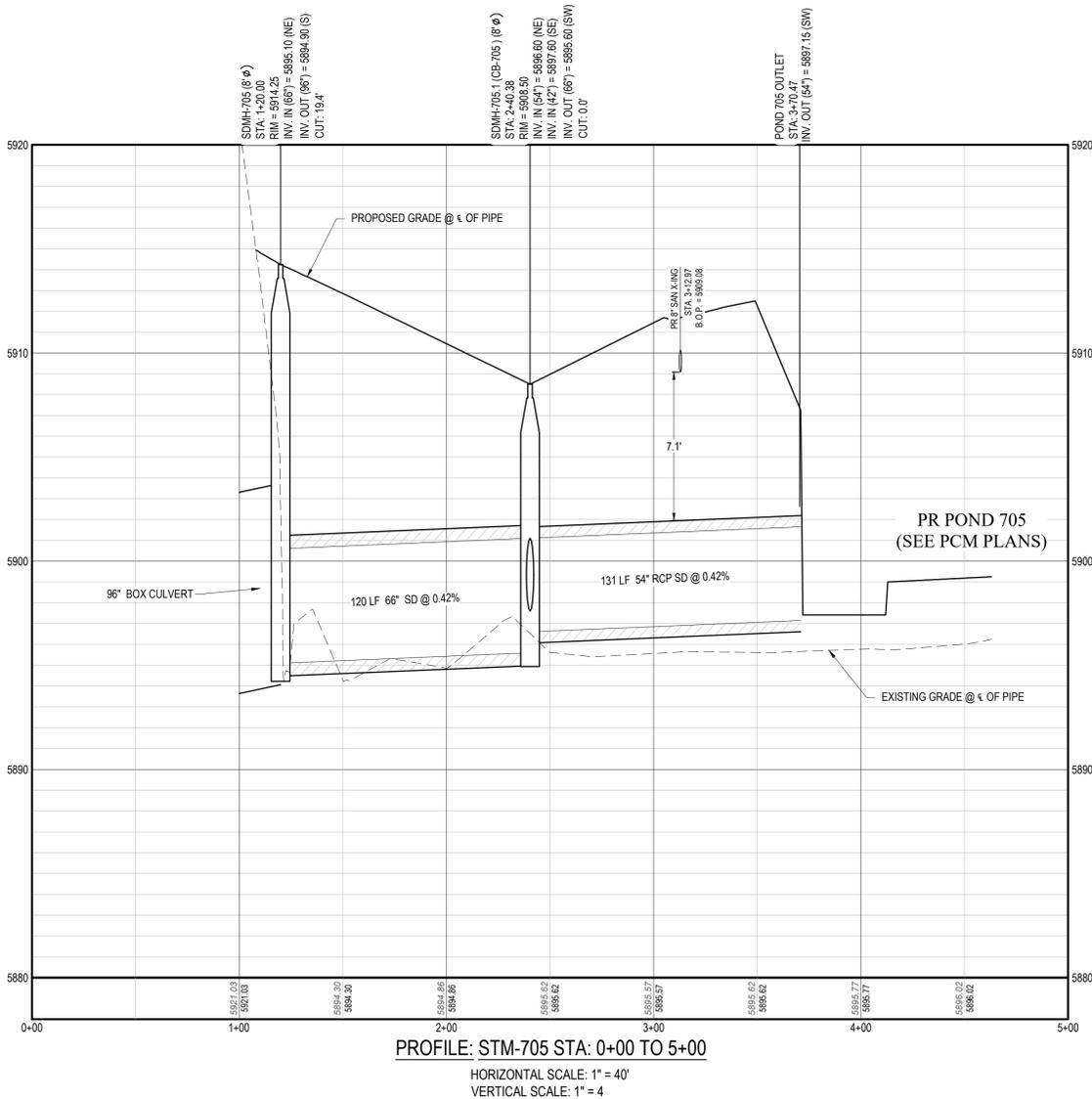
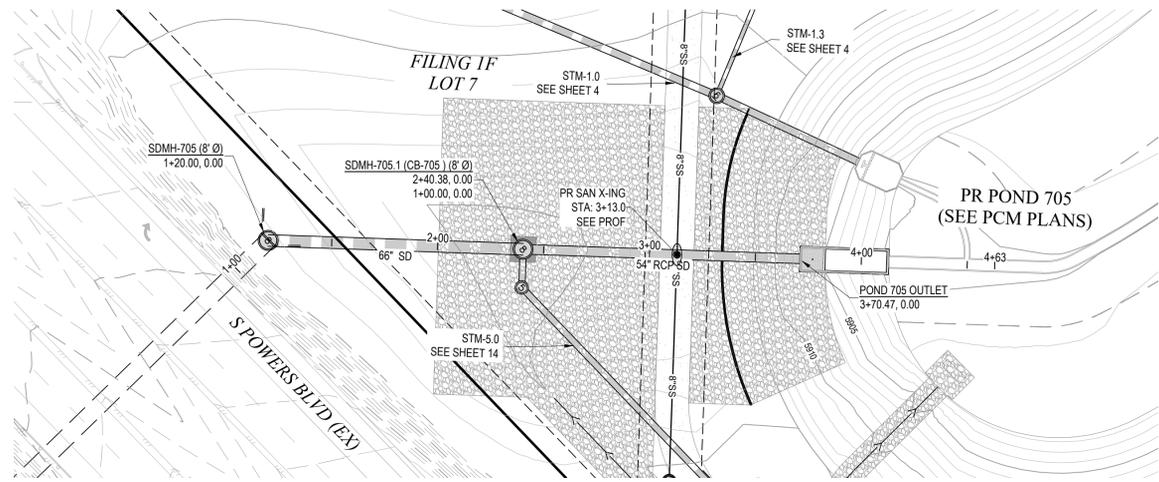
13 OF 19



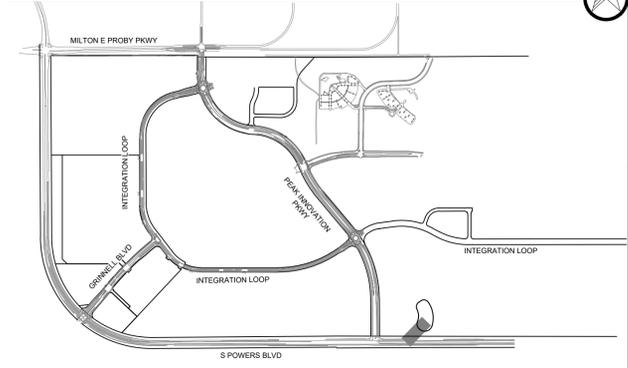








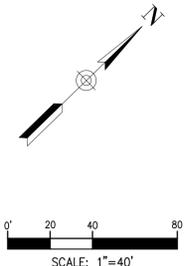
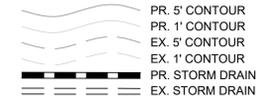
KEY MAP



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LEGEND



REVIEW

STREET DESIGN FOR STORMWATER ENTERPRISES	_____
UTILITY GRADE REVIEW	_____
CURB & GUTTER REVIEW	_____
FINAL REVIEW	_____
DRAINAGE DESIGN	_____
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AMENDMENT

NO. DATE



COLORADO SPRINGS AIRPORT  
 INTEGRATION LOOP PHASE 4  
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 COLORADO SPRINGS, COLORADO

POND 705 OUTLET

VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING.  
 DATE: OCTOBER 28, 2022  
 SHEET

