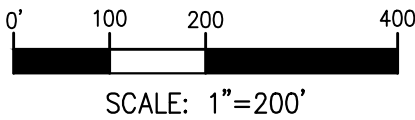


COLORADO SPRINGS AIRPORT POND 705 CIVIL CONSTRUCTION DOCUMENT INDEX			
PLAN SET ID	IMPROVEMENT	CD PACKAGE	PREPARED BY
PLAN SET 1	- PEAK LIFT STATION & WASTEWATER MAIN (PHASE 1)	PEAK LIFT STATION - PHASE 1 WASTEWATER CDS	ENERTIA CONSULTING GROUP LLC (ENERTIA)
PLAN SET 2	- INTEGRATION PHASE 4 ROADWAY EXTENSION	INTEGRATION LOOP PHASE 4 STREET CDS	ENERTIA
PLAN SET 2	- STORM DRAIN - STORM DEMOLITION SHEET	INTEGRATION LOOP PHASE 4 STORM DRAIN CONSTRUCTION PLANS	ENERTIA
PLAN SET 3	- WATER QUALITY & DETENTION POND 705 - INTERIM GRADING	COSA POND 705 PERMANENT CONTROL MEASURE (PCM) PLANS	ENERTIA
PLAN SET 4	- WASTEWATER MAIN (PHASE 2)	INTEGRATION LOOP PHASE 4 WASTEWATER CDS	ENERTIA
PLAN SET 5	- GRADING EROSION & STORMWATER QUALITY CONTROL	INTEGRATION LOOP PHASE 4 GRADING AND EROSION CONTROL PLAN INITIAL & INTERIM PHASE	ENERTIA
PLAN SET 6	- GRADING EROSION & STORMWATER QUALITY CONTROL	INTEGRATION LOOP PHASE 4 GRADING AND EROSION CONTROL PLAN FINAL PHASE	ENERTIA

SOIL TYPE LEGEND

- HYDROLOGIC SOIL GROUP A
- HYDROLOGIC SOIL GROUP B
- PER NRCS WEB SOIL SURVEY. REFER TO APPENDIX IN FINAL DRAINAGE REPORT FOR MORE INFORMATION.



AMENDMENT

NO.

DATE

--	--	--	--	--	--	--	--	--	--

COLORADO SPRINGS AIRPORT  
DETENTION & WATER QUALITY POND 705  
PERMANENT CONTROL MEASURE (PCM) PLANS  
COLORADO SPRINGS, COLORADO

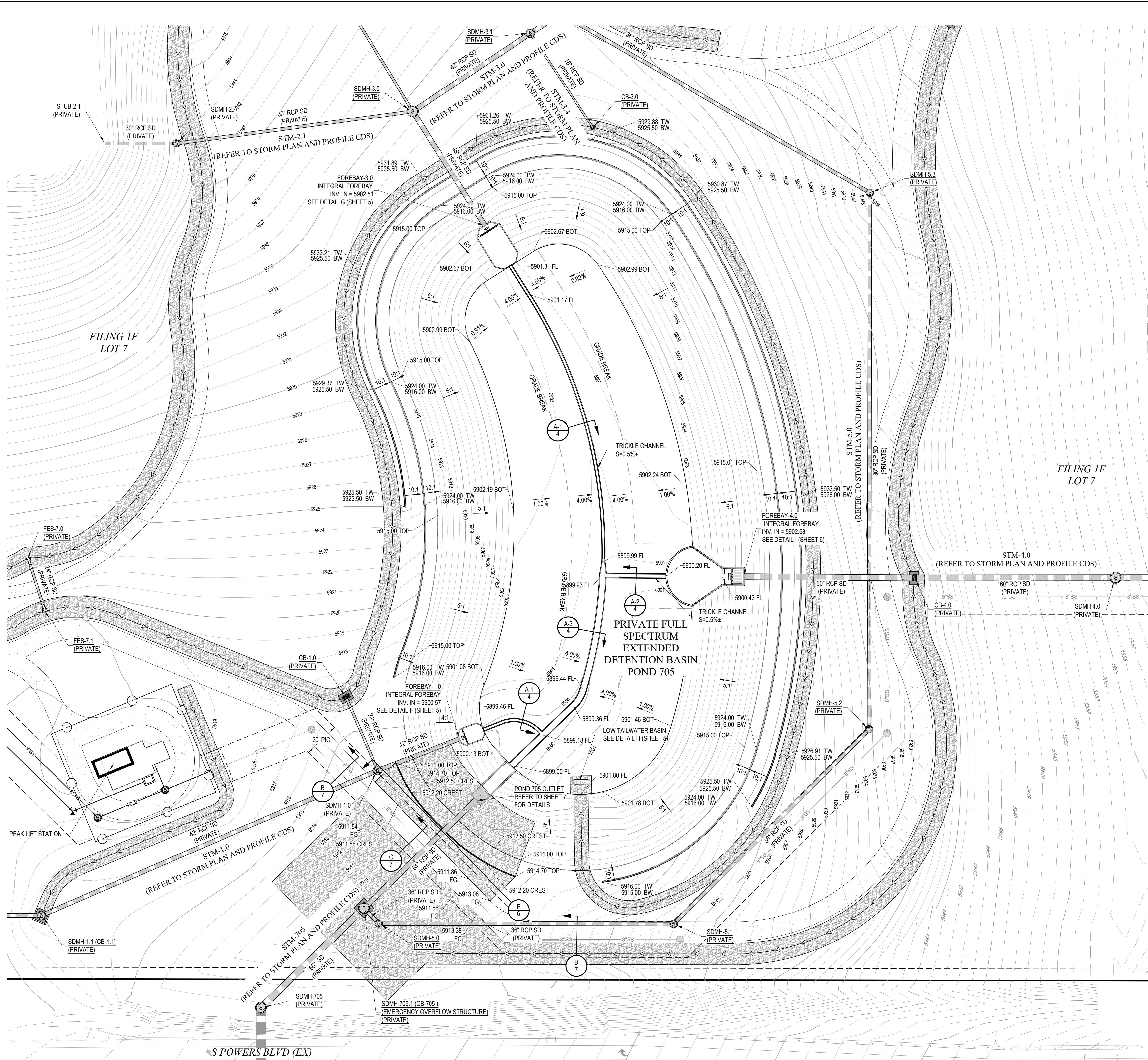
OVERALL SITE PLAN

VERIFY SCALE  
BAR IS ONE INCH ON  
ORIGINAL DRAWING:  
0 1" 2"

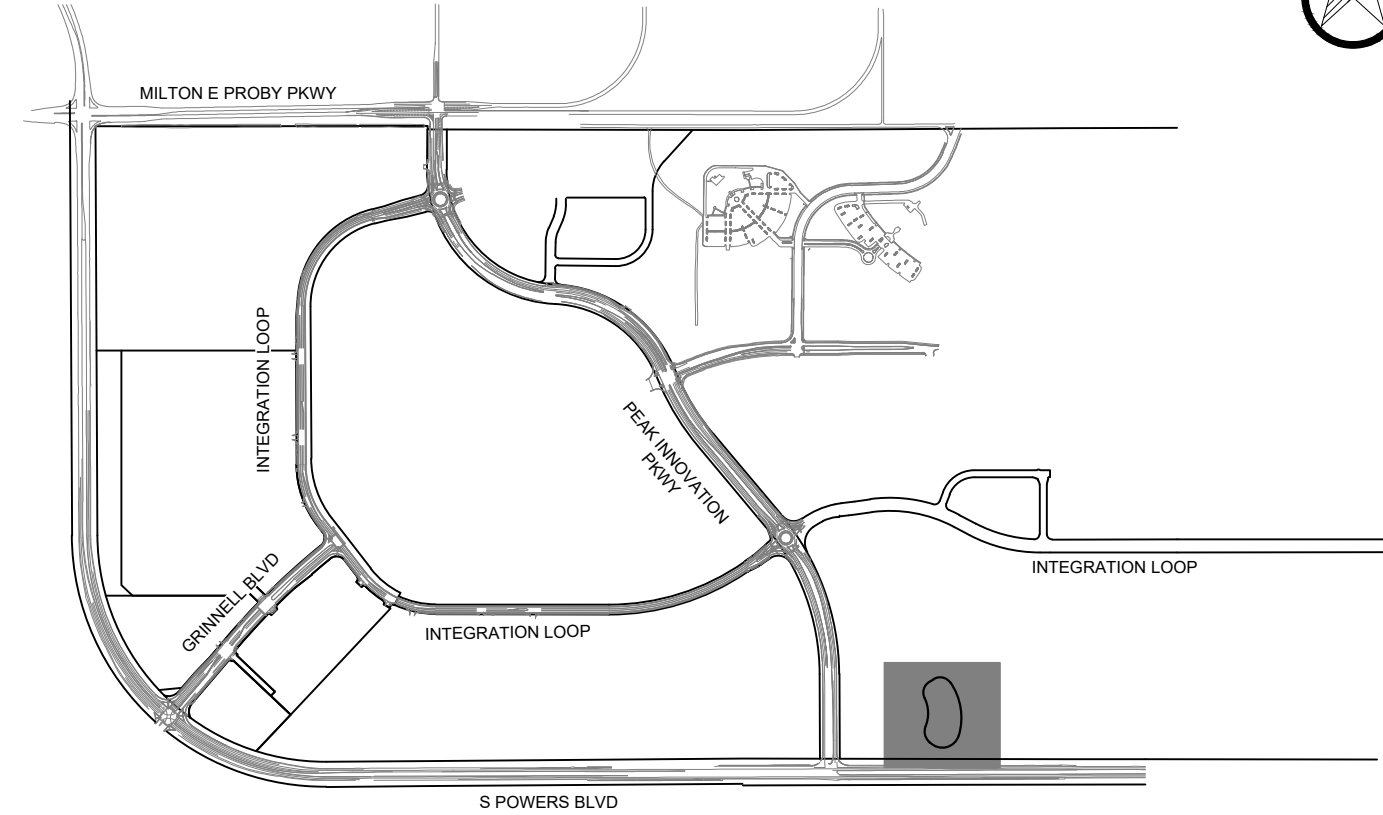
DATE: OCTOBER 28, 2022  
SHEET

2 OF 6





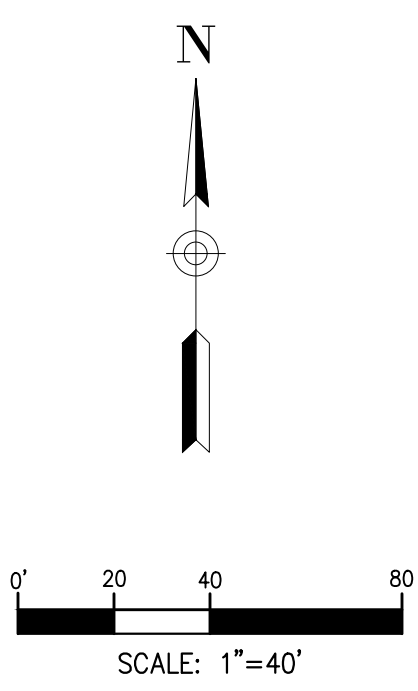
KEY MAP



POND 705 SUMMARY TABLE		
ITEM	REQ'D	PROV'D
WQCV	152,199	152,896
EURV	443,659	444,617
100-YR	844,367	896,552
100-YR INFLOW FROM STM-1.0 TO POND 705		75.7
100-YR INFLOW FROM STM-3.0 TO POND 706		127.2
100-YR INFLOW FROM STM-4.0 TO POND 705		242
100-YR SHEET FLOW TO POND 705		14
100-YR UNDETAINED FLOW		14
100-YR ALLOWABLE RELEASE RATE	616.2	233.4

STAGE STORAGE TABLE		
ELEV	DEPTH (FT)	TOTAL VOL (CF)
5897.4	0.0	0
5899.0	1.6	464
5903.6	6.2	152,896
5907.0	9.6	444,617
5911.2	13.8	896,552
5912.5	15.1	1,274,910
5915.0	17.6	1,417,520

MICROPOOL  
-BOTOM OF POND/ISV  
-WQCV WSE  
-EURV WSE  
-100-YR WSE  
-SPILLWAY  
-TOP OF POND



AMENDMENT

NO.

DATE

COLORADO SPRINGS AIRPORT  
DETENTION & WATER QUALITY POND 705  
PERMANENT CONTROL MEASURE (PCM) PLANS  
COLORADO SPRINGS, COLORADO

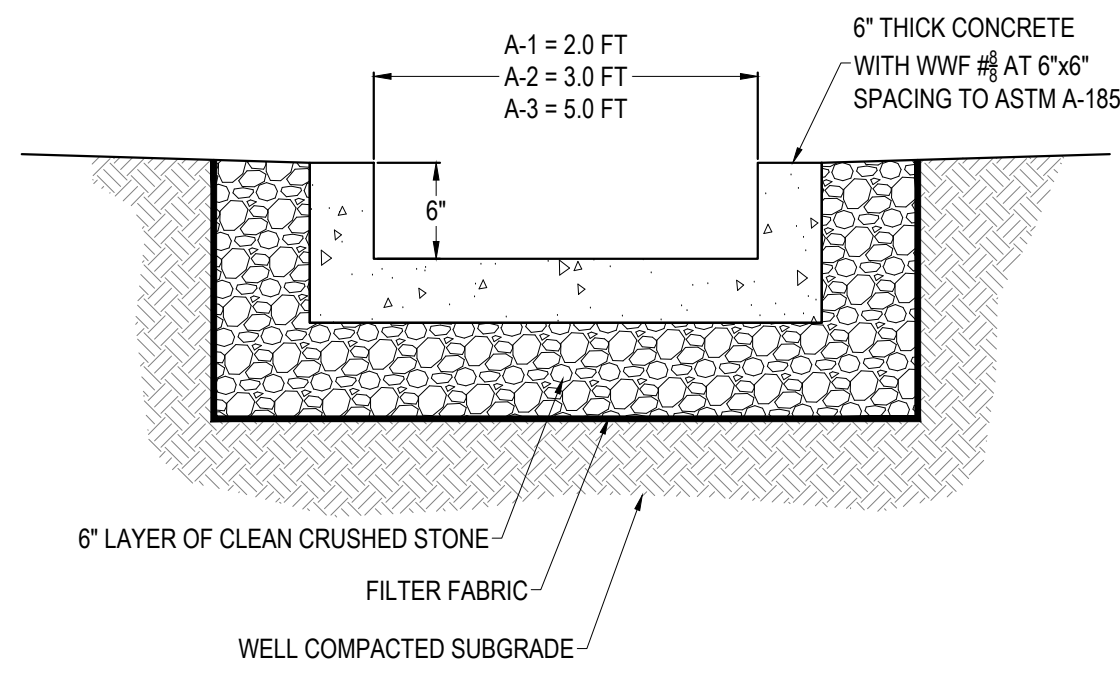
POND 705 PLAN

VERIFY SCALE  
BAR IS ONE INCH ON  
ORIGINAL DRAWING  
1"

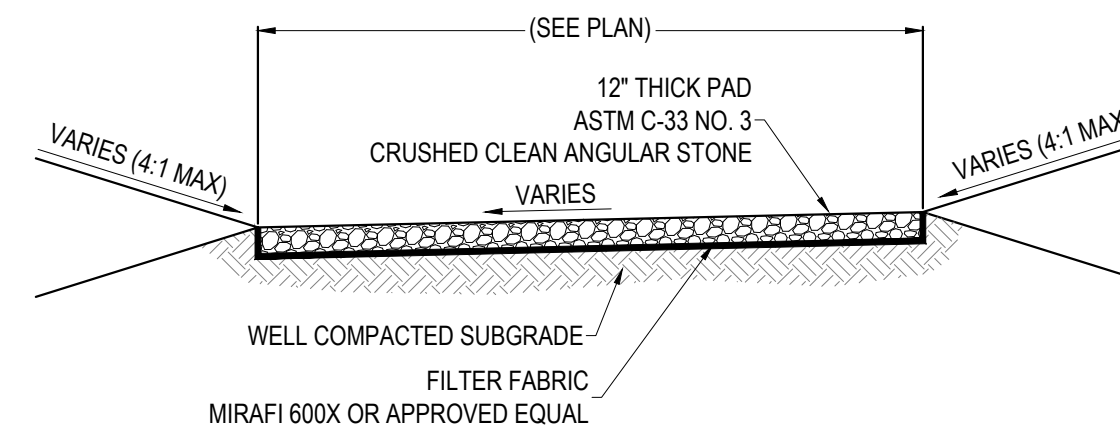
DATE OCTOBER 28, 2022  
SHEET

3 OF 6

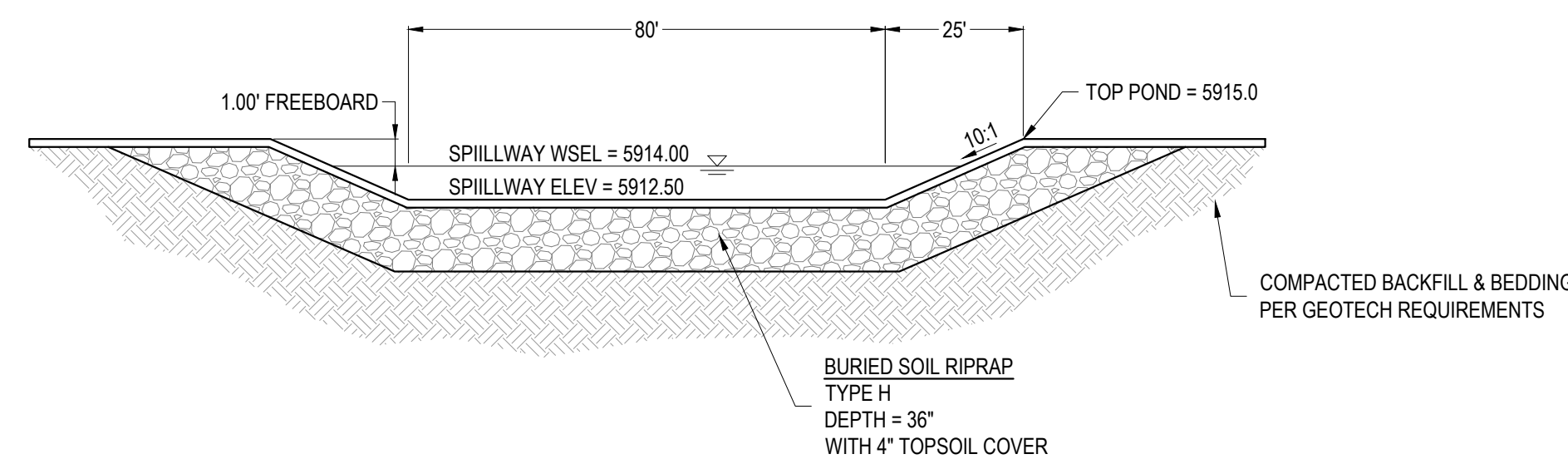




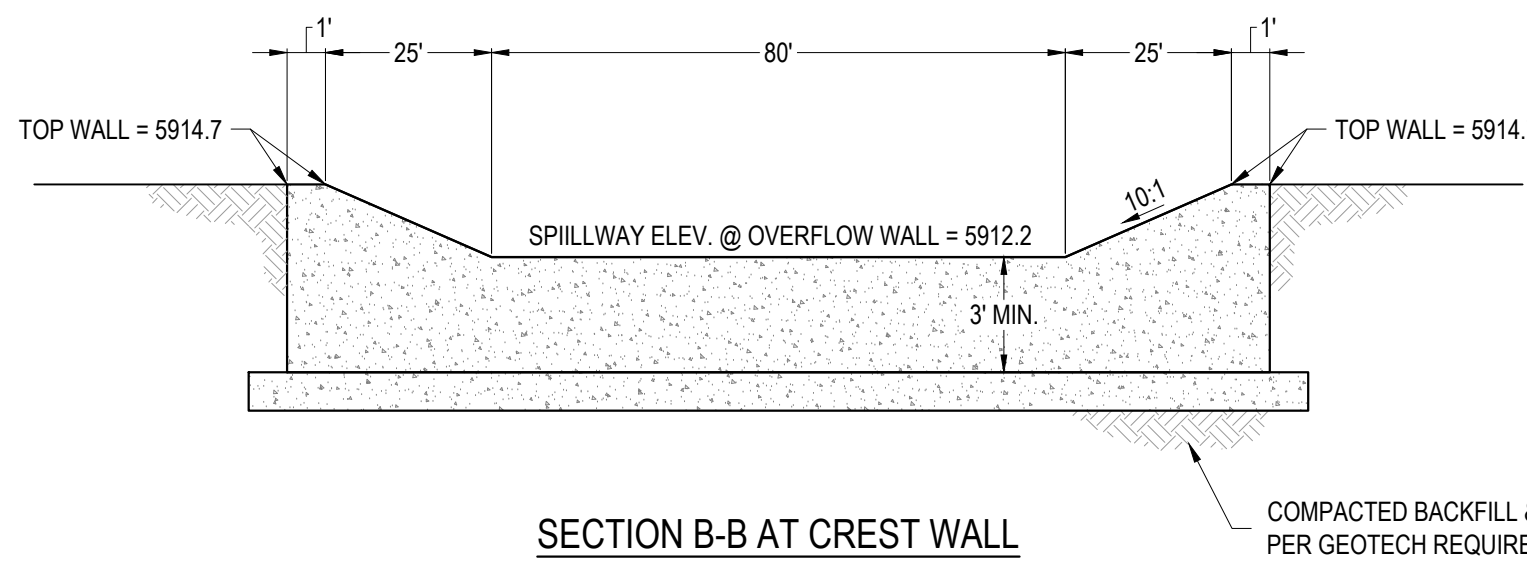
A CONCRETE TRICKLE CHANNEL  
TYPICAL SECTION  
NTS



B MAINTENANCE TRAIL  
TYPICAL SECTION  
NTS

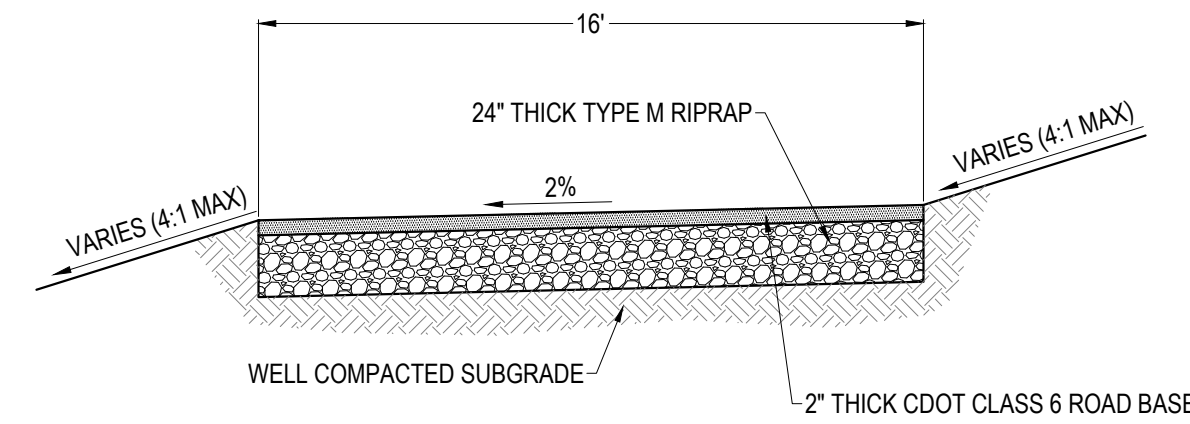


SECTION A-A - SPILLWAY CREST



SECTION B-B AT CREST WALL

E EMERGENCY SPILLWAY  
TYPICAL SECTION  
NTS

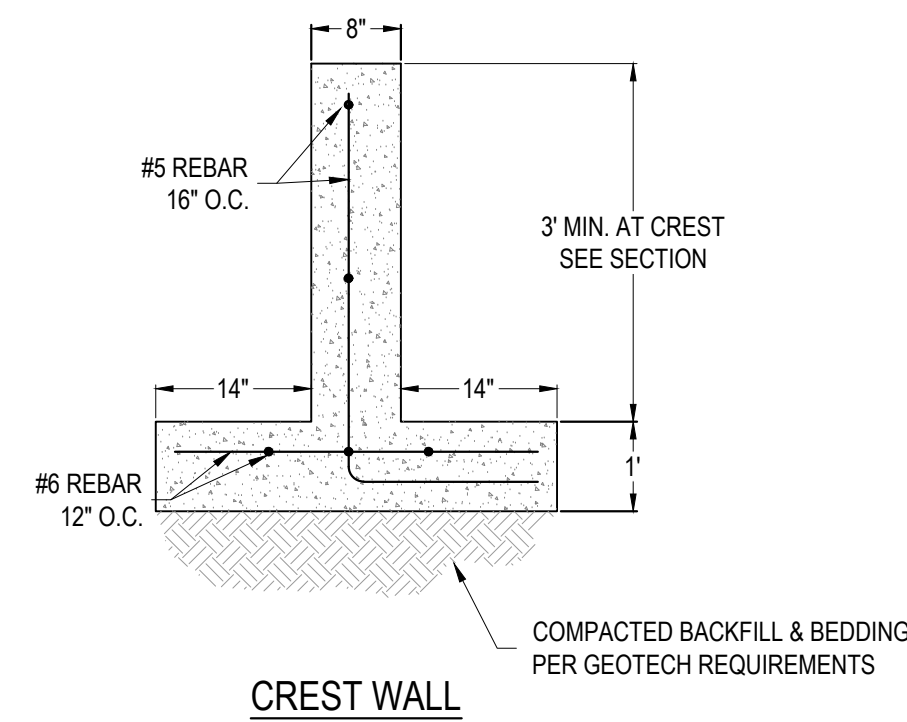


C MAINTENANCE TRAIL @ SPILLWAY  
TYPICAL SECTION  
NTS

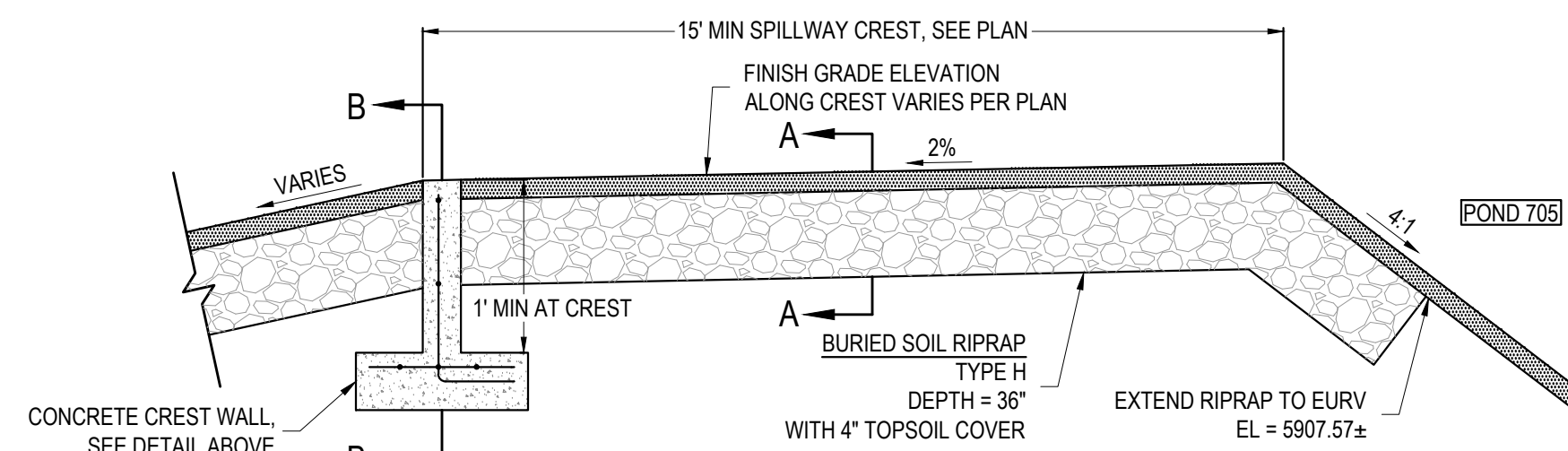
WARNING  
THIS AREA IS A STORMWATER  
FACILITY AND IS SUBJECT TO  
PERIODIC FLOODING

- NOTES:
1. REFER TO PLAN VIEW FOR SIGN LOCATION
  2. SIGN MUST CONTAIN RED LETTERING WITH WHITE BACKGROUND
  3. SIGN SHALL BE FABRICATED FROM ALUMINUM SHEET METAL
  4. MINIMUM SIGN AREA = 3 FT<sup>2</sup>
  5. CONTRACTOR TO SUBMIT SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION

D DETENTION POND SIGNAGE  
TYPICAL DETAIL  
NTS



CREST WALL

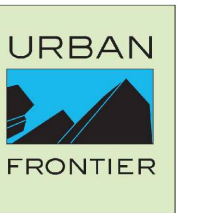


LONGITUDINAL SECTION

AMENDMENT

DATE

NO.

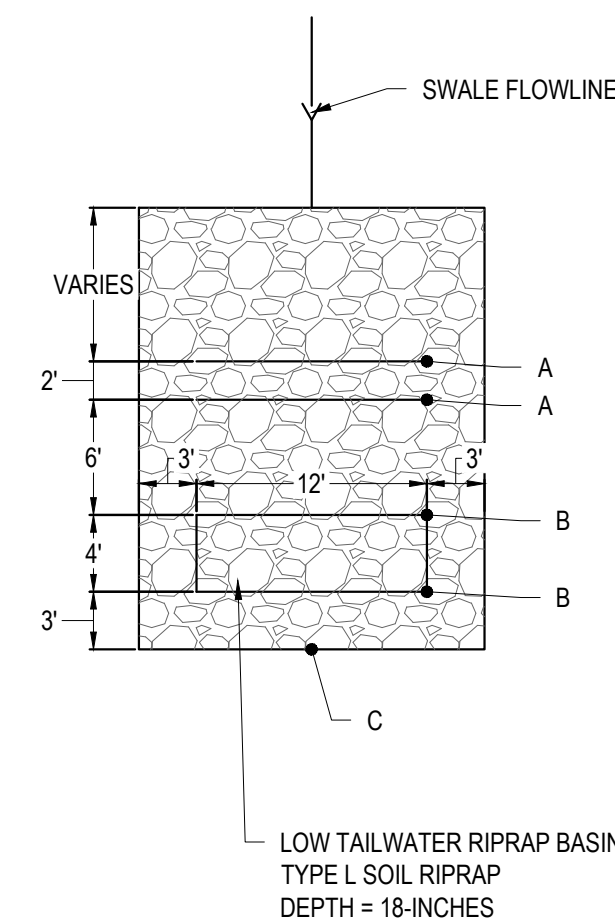
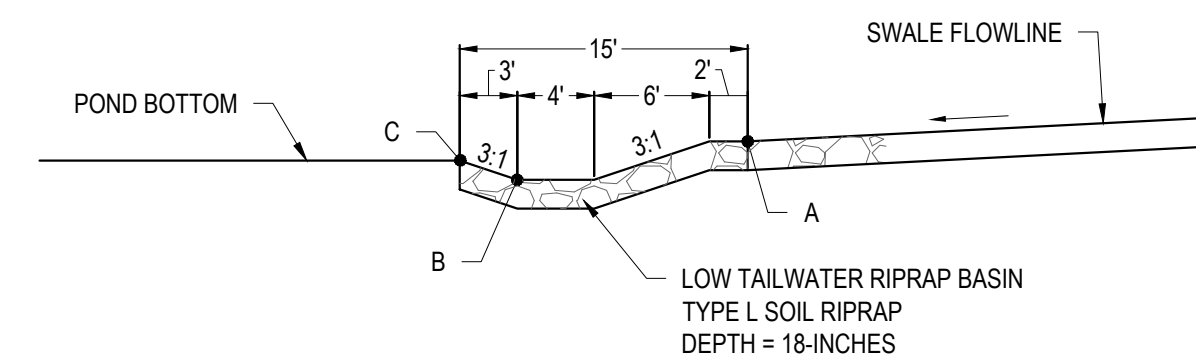
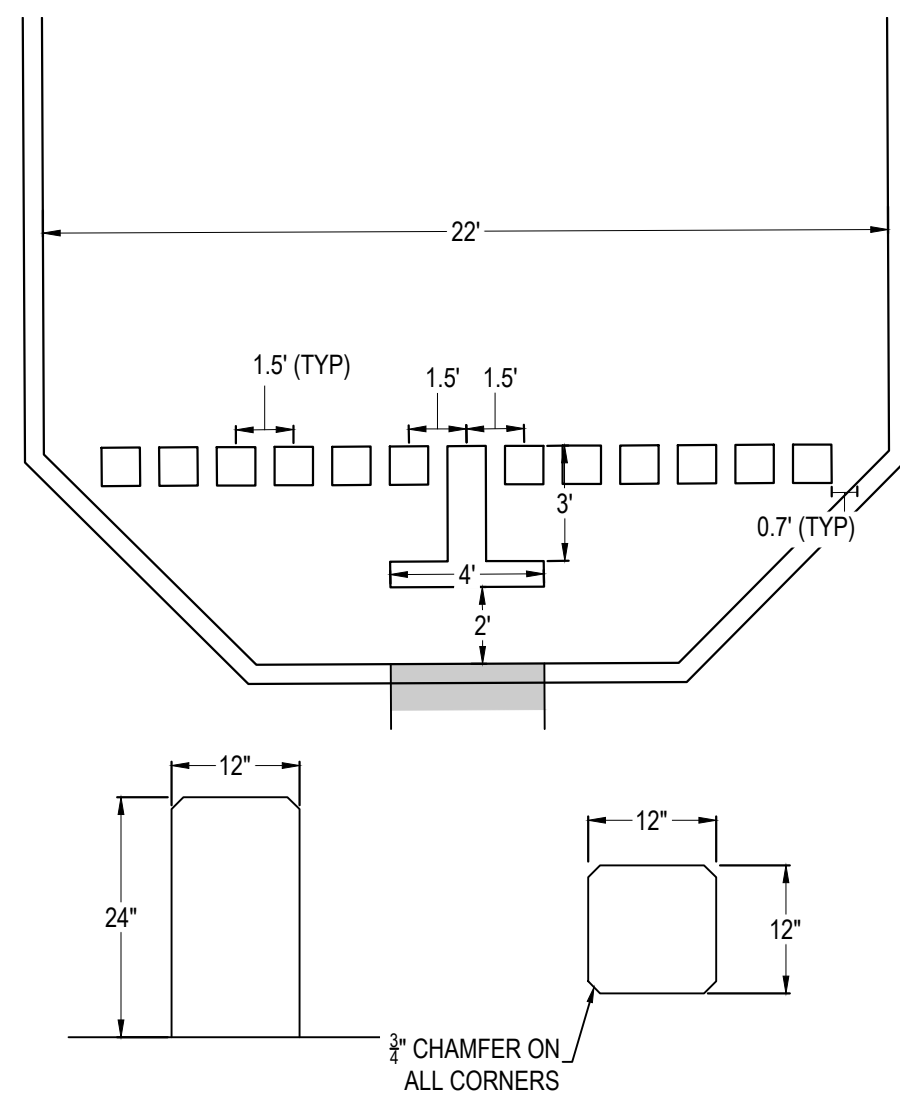
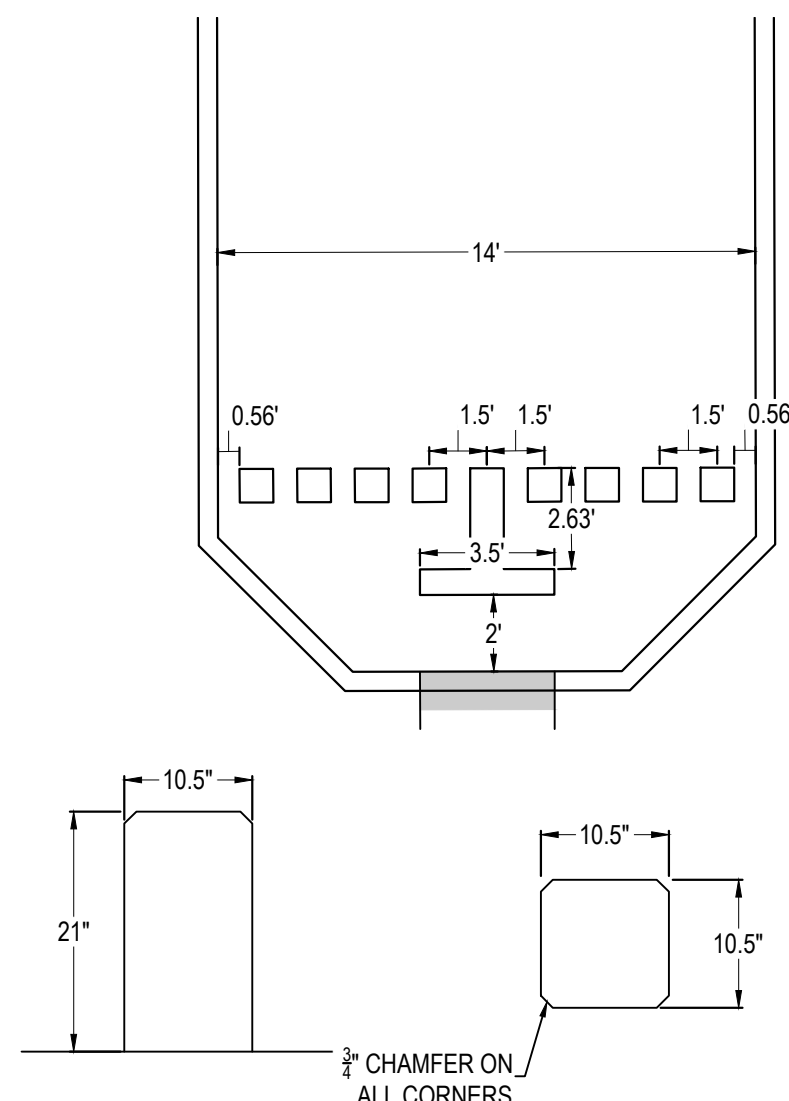
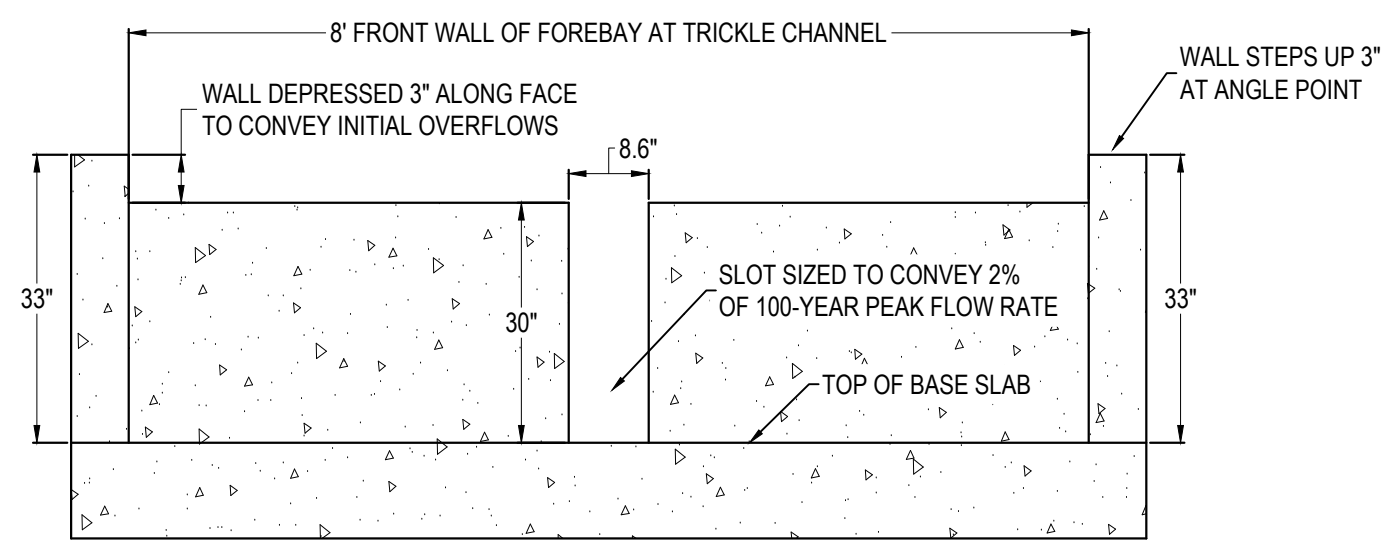
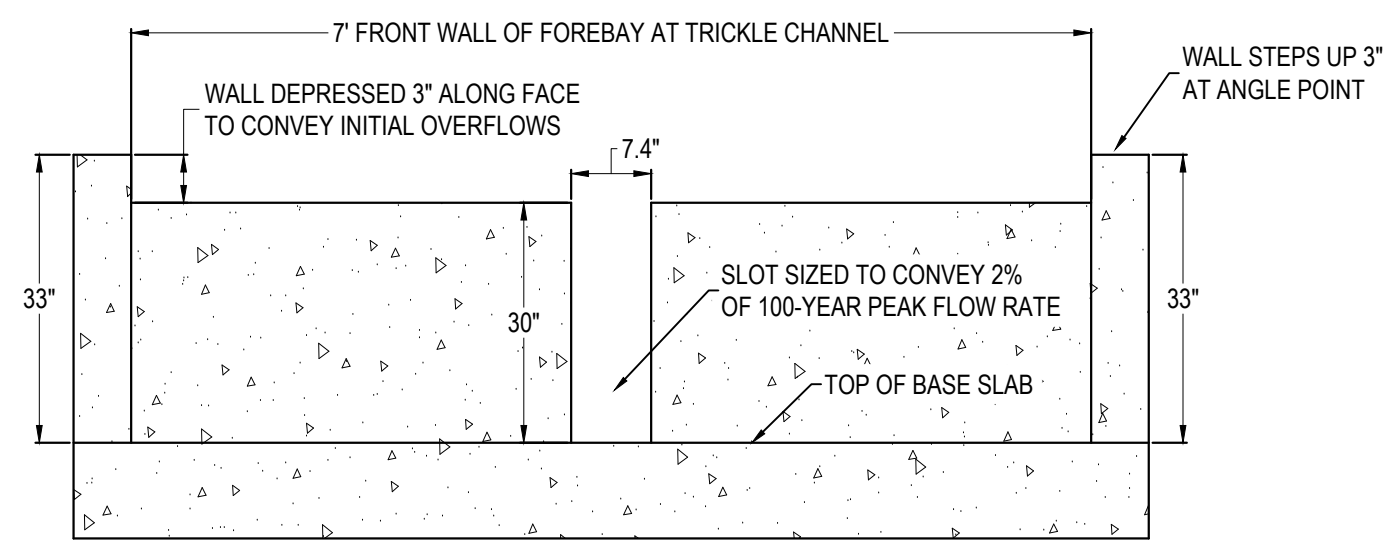
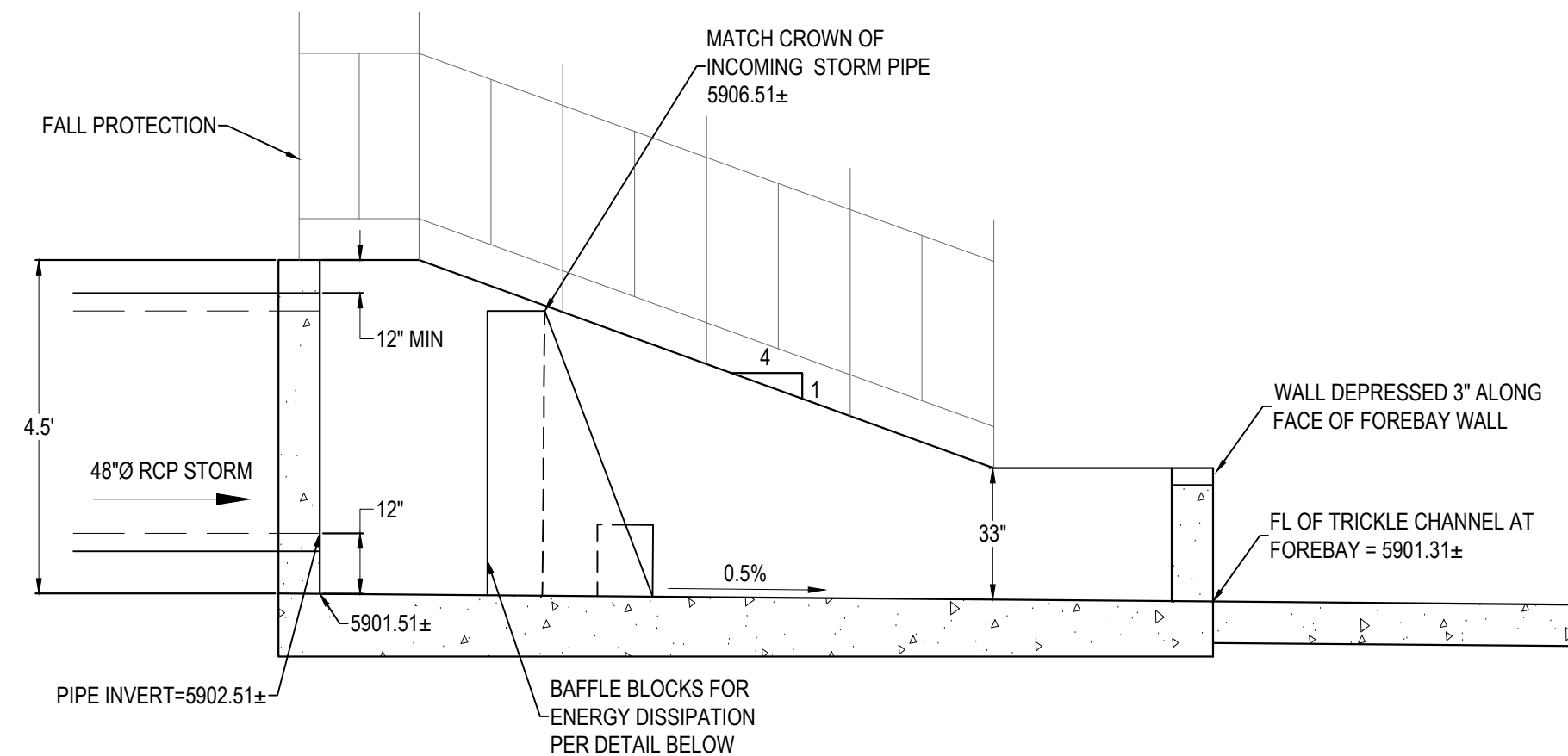
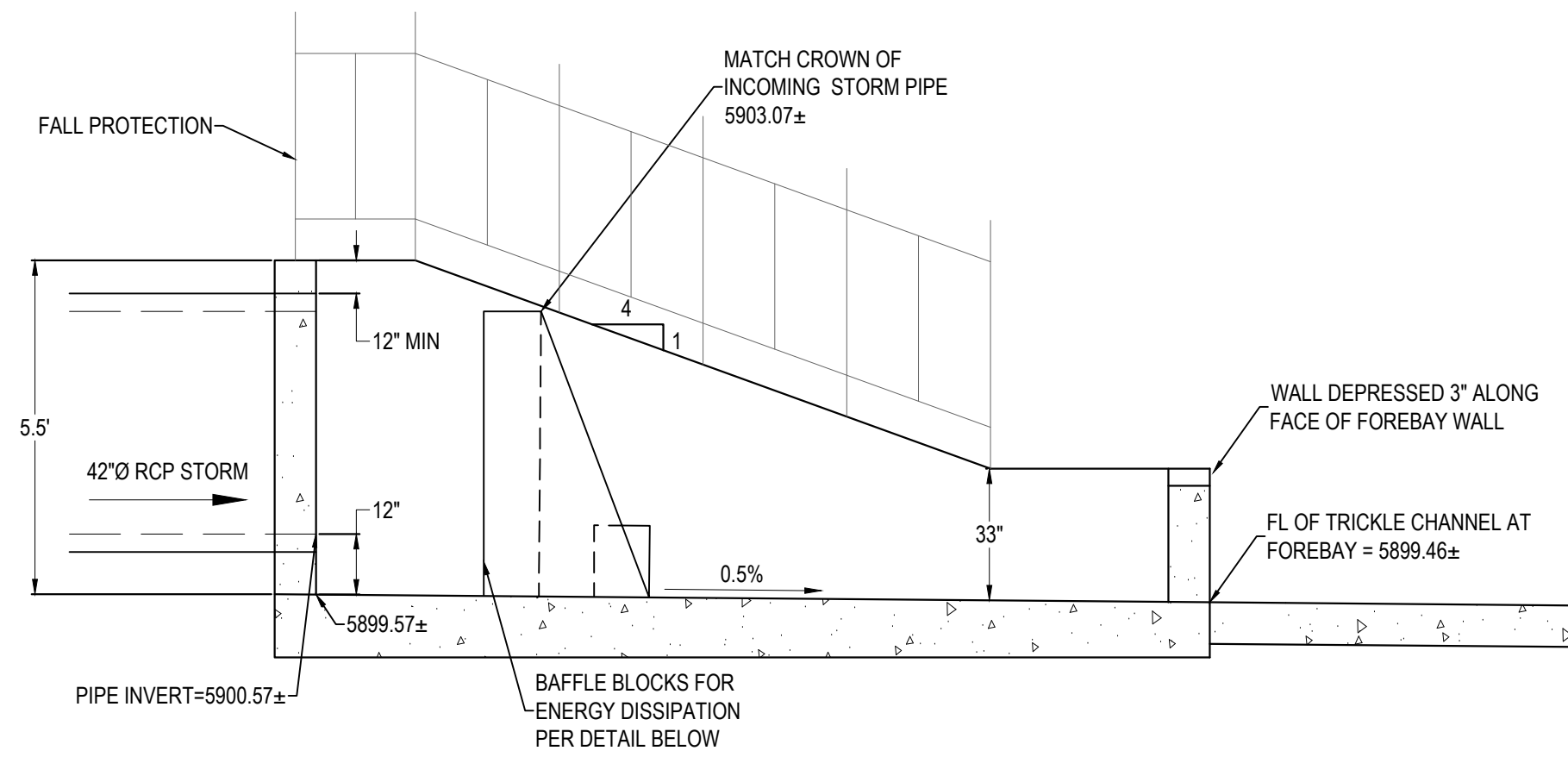
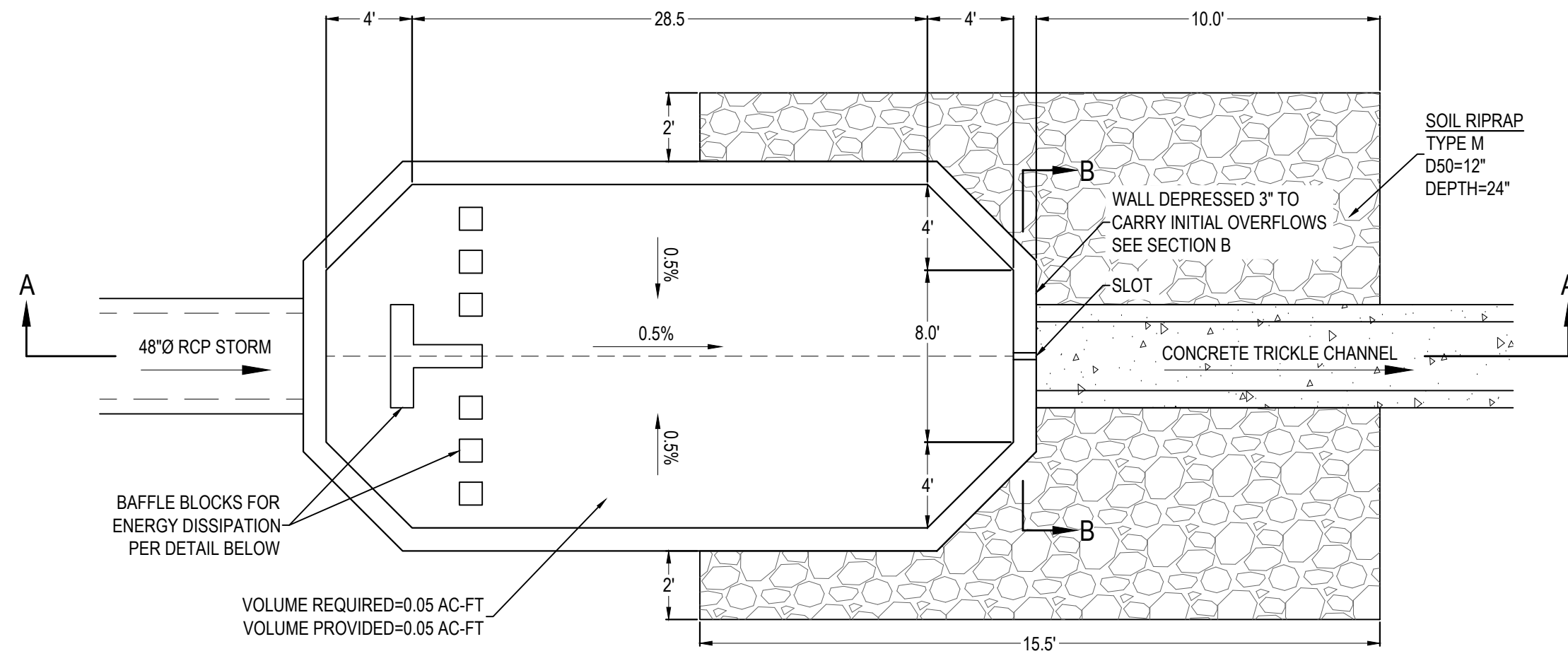
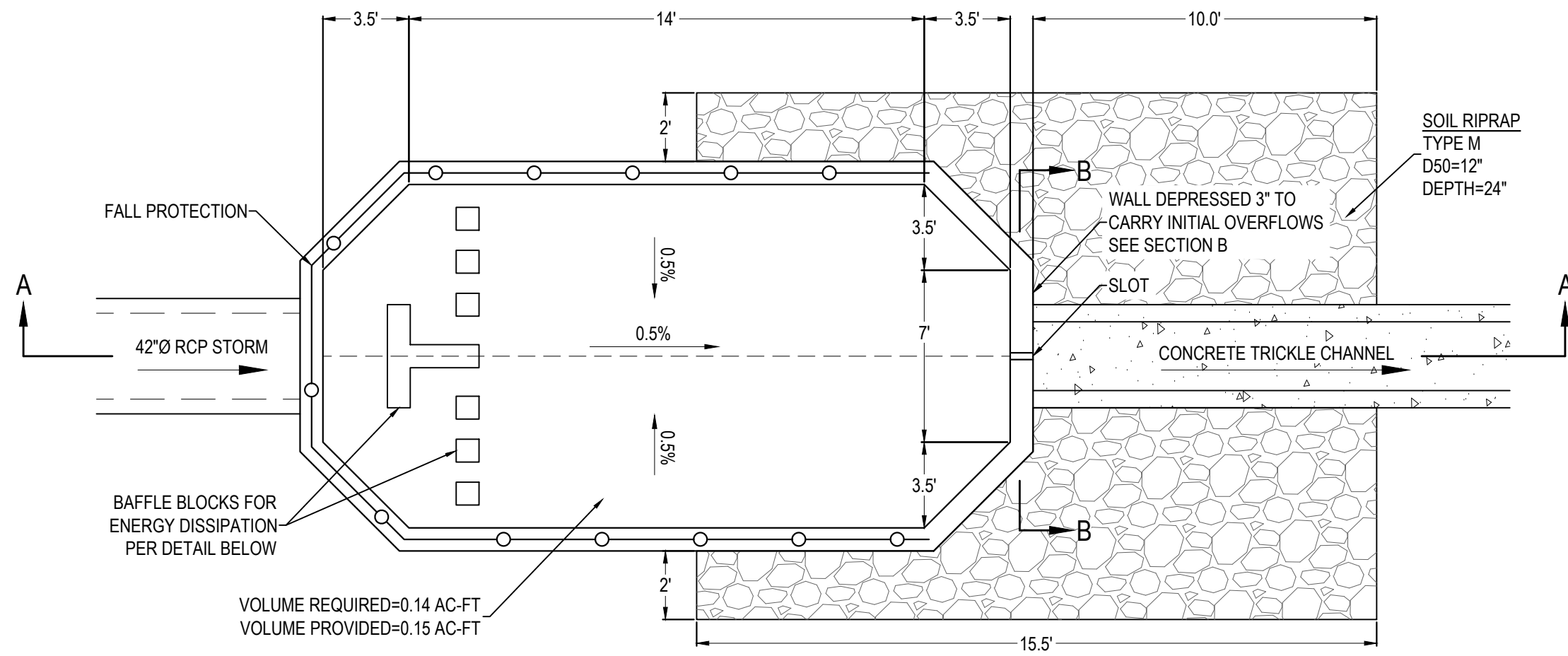


COLORADO SPRINGS AIRPORT  
DETENTION & WATER QUALITY POND 705  
PERMANENT CONTROL MEASURE (PCM) PLANS  
COLORADO SPRINGS, COLORADO

POND 705 DETAILS (1)

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

DATE OCTOBER 28, 2022  
SHEET



POND 705 LOW TAILWATER BASIN ELEVATIONS TABLE		
A	B	C
5901.80	5899.80	5900.80

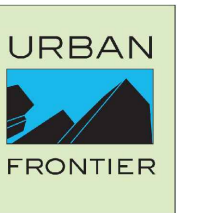
F FOREBAY 1.0  
INTEGRAL FOREBAY  
NTS

G FOREBAY 3.0  
INTEGRAL FOREBAY  
NTS

H LOW TAILWATER RIPRAP BASIN  
NTS

AMENDMENT

NO. DATE

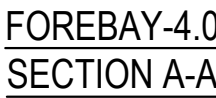


COLORADO SPRINGS AIRPORT  
DETENTION & WATER QUALITY POND 705  
PERMANENT CONTROL MEASURE (PCM) PLANS  
COLORADO SPRINGS, COLORADO

POND 705 DETAILS (2)

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



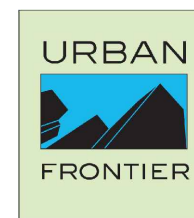


DETAILS ARE PROVIDED FOR INFORMATION ON  
ELEVATIONS & MINIMUM DIMENSIONS ONLY.  
REFER TO SHEETS X-X FOR STRUCTURAL  
LEVEL CONSTRUCTION DETAILS. STRUCTURAL  
LEVEL DETAILS TAKE PRECEDENCE OVER  
MINIMUM DIMENSIONS SHOWN.

DETAILS ARE PROVIDED FOR INFORMATION ON  
ELEVATIONS & MINIMUM DIMENSIONS ONLY.  
REFER TO SHEETS X-X FOR STRUCTURAL  
LEVEL CONSTRUCTION DETAILS. STRUCTURAL  
LEVEL DETAILS TAKE PRECEDENCE OVER  
MINIMUM DIMENSIONS SHOWN.

AMENDMENT

NO.	DATE
-----	------



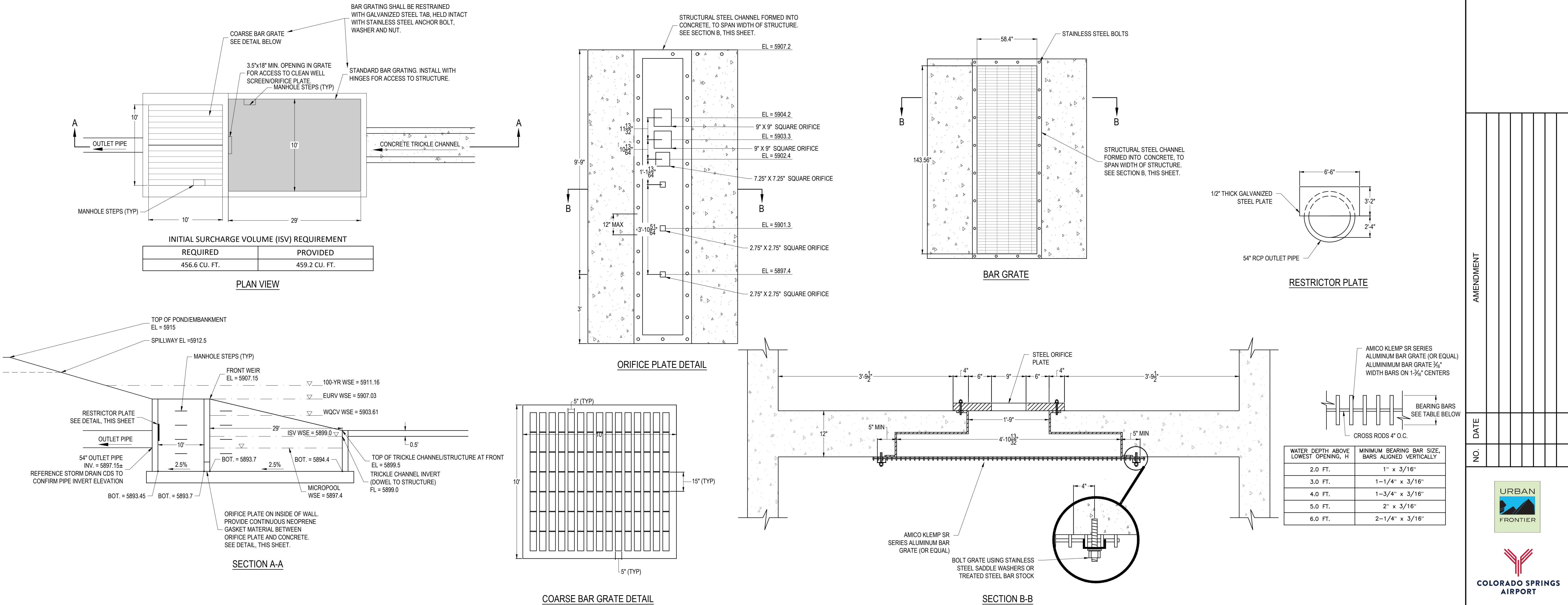
COLORADO SPRINGS AIRPORT  
DETENTION & WATER QUALITY POND 705  
PERMANENT CONTROL MEASURE (PCM) PLANS  
COLORADO SPRINGS, COLORADO

### POND 705 DETAILS (3)

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

DATE	OCTOBER 28, 2022
SHEET	

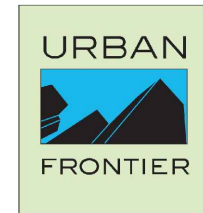
6 OF 6



J POND 705 OUTLET STRUCTURE  
DETAIL  
NTS

AMENDMENT

NO. DATE



COLORADO SPRINGS AIRPORT  
DETENTION & WATER QUALITY POND 705  
PERMANENT CONTROL MEASURE (PCM) PLANS  
COLORADO SPRINGS, COLORADO

POND 705 DETAILS (4)

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

DATE OCTOBER 28, 2022  
SHEET