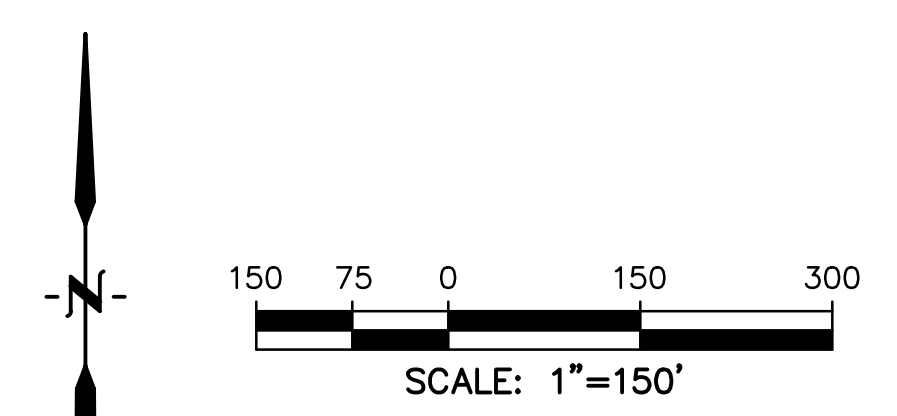


**LEGEND**

PROPOSED INTERMEDIATE CONTOUR.....	5522
PROPOSED INDEX CONTOUR.....	5520
EX. INTERMEDIATE CONTOUR.....	5364
EX. INDEX CONTOUR.....	5365
PROPOSED BOX CULVERT.....	
LIMITS OF DISTURBANCE/ CONSTRUCTION SITE BOUNDARY.....	
EX. 100-YR FLOODPLAIN.....	

- NOTES:**
- OVERLOT GRADING WILL OCCUR ACROSS THE ENTIRETY OF THE SITE.
  - WASTE DISPOSAL BIN LOCATIONS ARE TBD AND WILL BE ADDED TO THE SWMP ONCE DETERMINED BY THE CONTRACTOR.
  - DEWATERING IS LIKELY TO BE NECESSARY DURING CONSTRUCTION. THE CONTRACTOR, WITH INPUT FROM THE COUNTY STORMWATER INSPECTOR, WILL DESIGN THE LOCATIONS OF DIVERSION, PUMP & DISCHARGES.
  - NO BATCH PLANTS WILL BE UTILIZED ONSITE.
  - THE SITE CURRENTLY IS MADE UP OF ROUGHLY 98% NATIVE GRASSES AND VEGETATION.
  - ANY WORK WITHIN THE FLOODPLAIN WILL REQUIRE A FLOODPLAIN DEVELOPMENT PERMIT.



PREPARED BY:  
  
**DREXEL, BARRELL & CO.**  
 Engineers & Surveyors  
 101 SAWATCH ST. #100  
 COLORADO SPGS, COLORADO 80903  
 CONTACT: TIM D. McCONNELL, P.E.  
 (719) 476-0800  
 COLORADO SPRINGS • LAFAYETTE

CLIENT:  
**FALCON FIELD, LLC**  
 1864 WOODMOOR DR, SUITE 100  
 MONUMENT, CO 80132  
 (719) 476-0800  
 CONTACT: STEVE ROSSOLL

GRADING AND EROSION CONTROL PLANS FOR:  
**THE COMMONS AT FALCON**  
**FIELD - FILING NO. 1**  
 12445 RIO LANE, AND VACANT LAND  
 PEYTON, EL PASO COUNTY, COLORADO

ISSUE	DATE
INITIAL ISSUE	12/13/24
RESUBMITTAL	3/13/26

DESIGNED BY: KGV  
 DRAWN BY: CGH  
 CHECKED BY: TDM  
 FILE NAME: 21604-01EC1-4

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF  
**DREXEL, BARRELL & CO.**

DRAWING SCALE:  
 HORIZONTAL: 1" = 150'  
 VERTICAL: N/A

**OVERALL  
 EROSION  
 CONTROL PLAN**

PROJECT NO. 21604-00CSCV  
 DRAWING NO.

**EC-1**

SHEET: 2 OF 19

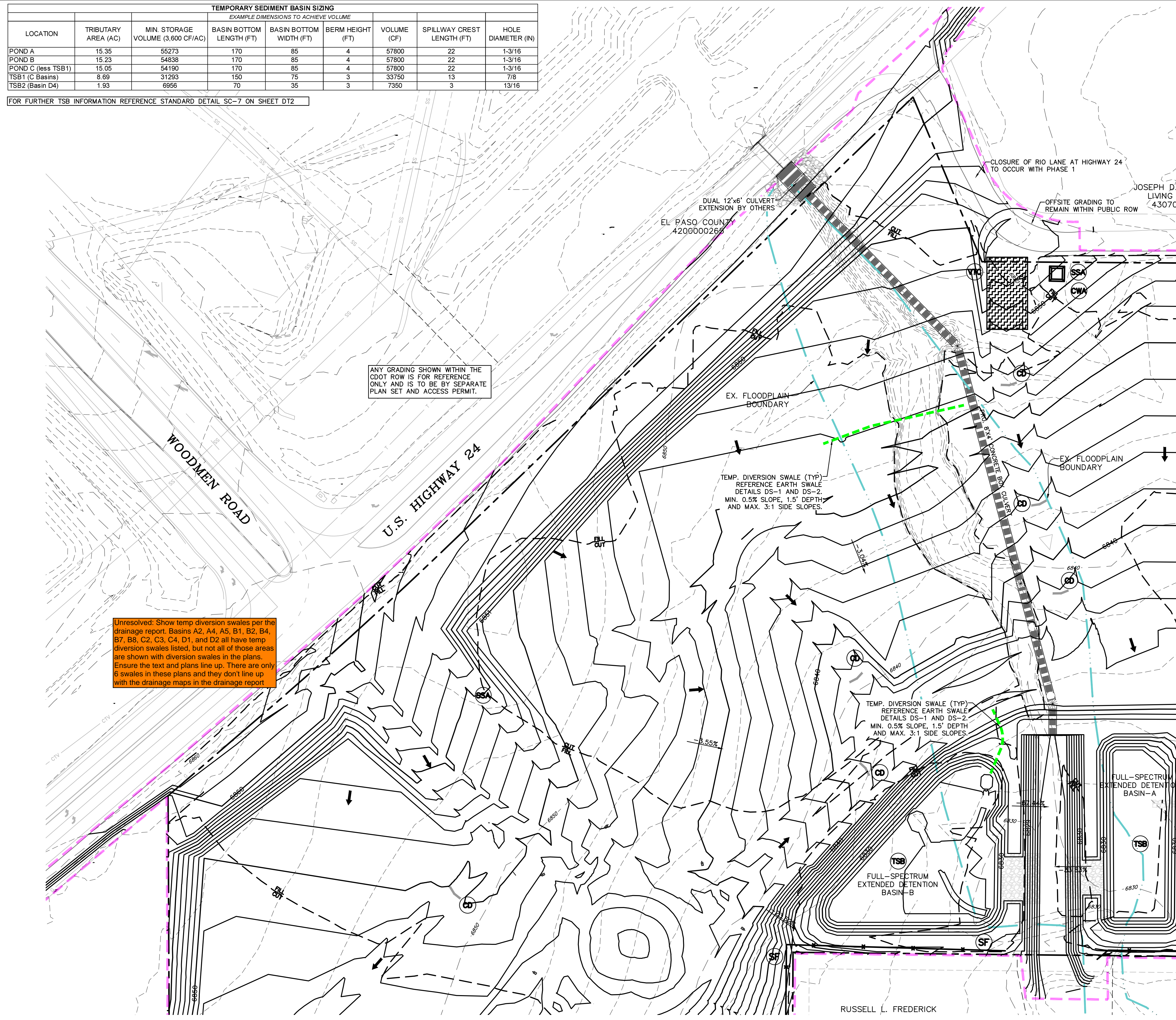


EPC FILE NO.: SF2435



TEMPORARY SEDIMENT BASIN SIZING								
EXAMPLE DIMENSIONS TO ACHIEVE VOLUME								
LOCATION	TRIBUTARY AREA (AC)	MIN. STORAGE VOLUME (3,600 CF/AC)	BASIN BOTTOM LENGTH (FT)	BASIN BOTTOM WIDTH (FT)	BERM HEIGHT (FT)	VOLUME (CF)	SPILLWAY CREST LENGTH (FT)	HOLE DIAMETER (IN)
POND A	15.35	55273	170	85	4	57800	22	1-3/16
POND B	15.23	54838	170	85	4	57800	22	1-3/16
POND C (less TSB1)	15.05	54190	170	85	4	57800	22	1-3/16
TSB1 (C Basins)	8.69	31293	150	75	3	33750	13	7/8
TSB2 (Basin D4)	1.93	6956	70	35	3	7350	3	13/16

FOR FURTHER TSB INFORMATION REFERENCE STANDARD DETAIL SC-7 ON SHEET DT2

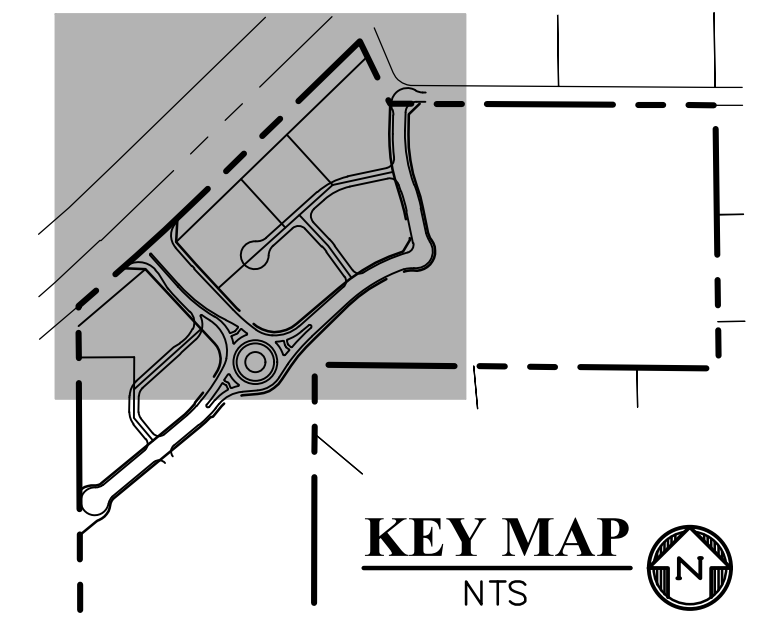


Unresolved: Show temp diversion swales per the drainage report. Basins A2, A4, A5, B1, B2, B4, B7, B8, C2, C3, C4, D1, and D2 all have temp diversion swales listed, but not all of those areas are shown with diversion swales in the plans. Ensure the text and plans line up. There are only 6 swales in these plans and they don't line up with the drainage maps in the drainage report.

### LEGEND

- PROPOSED INTERMEDIATE CONTOUR ..... 5522
- PROPOSED INDEX CONTOUR ..... 5520
- EX. INTERMEDIATE CONTOUR ..... 5364
- EX. INDEX CONTOUR ..... 5365
- DIRECTION OF FLOW ..... ←
- HIGH POINT ..... HP
- LOW POINT ..... LP
- PROPOSED TEMPORARY DIVERSION SWALE ..... ———
- PROPOSED STORM SEWER ..... ———
- PROPOSED INLET ..... ■
- PROPOSED MANHOLE ..... ●
- LIMITS OF DISTURBANCE/ CONSTRUCTION SITE BOUNDARY ..... ———
- CUT/FILL LINE ..... ———
- 100-YR FLOODPLAIN ..... ———
- INITIAL/INTERIM SILT FENCE ..... SF
- INITIAL/INTERIM CONCRETE WASHOUT AREA ..... CWA
- INITIAL/INTERIM TEMPORARY SEDIMENT BASIN ..... TSB
- INITIAL/INTERIM VEHICLE TRACKING CONTROL ..... VTC
- INITIAL/INTERIM ROUGH CUT STREET CONTROL ..... RCS
- INITIAL/INTERIM STABILIZED STAGING AREA ..... SSA
- INITIAL/INTERIM CHECK DAM ..... CD

- NOTES:
- OVERLOT GRADING WILL OCCUR ACROSS THE ENTIRETY OF THE SITE.
  - WASTE DISPOSAL BIN LOCATIONS ARE TBD AND WILL BE ADDED TO THE SWMP ONCE DETERMINED BY THE CONTRACTOR.
  - DEWATERING IS LIKELY TO BE NECESSARY DURING CONSTRUCTION. THE CONTRACTOR, WITH INPUT FROM THE COUNTY STORMWATER INSPECTOR, WILL DESIGN THE LOCATIONS OF DIVERSION, PUMP & DISCHARGES.
  - NO BATCH PLANTS WILL BE UTILIZED ONSITE.
  - THE SITE CURRENTLY IS MADE UP OF ROUGHLY 98% NATIVE GRASSES AND VEGETATION.
  - ANY WORK WITHIN THE FLOODPLAIN WILL REQUIRE A FLOODPLAIN DEVELOPMENT PERMIT.



PREPARED BY:

DREXEL, BARRELL & CO.  
Engineers + Surveyors  
101 SAWATCH ST. #100  
COLORADO SPGS, COLORADO 80903  
CONTACT: TIM D. MCCONNELL, P.E.  
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COLORADO SPRINGS • LAFAYETTE

CLIENT:

FALCON FIELD, LLC

1864 WOODMOOR DR, SUITE 100  
MONUMENT, CO 80132  
(719) 476-0800  
CONTACT: STEVE ROSSOLL

GRADING AND EROSION CONTROL PLANS FOR:  
**THE COMMONS AT FALCON FIELD - FILING NO. 1**  
12445 RIO LANE, AND VACANT LAND  
PEYTON, EL PASO COUNTY, COLORADO

ISSUE	DATE
INITIAL ISSUE	12/13/24
RESUBMITTAL	3/13/26

DESIGNED BY:	KGV
DRAWN BY:	CGH
CHECKED BY:	TDM
FILE NAME:	21604-01EC1-4

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.

DRAWING SCALE:  
HORIZONTAL: 1" = 60'  
VERTICAL: N/A

INITIAL/INTERIM EROSION CONTROL PLAN

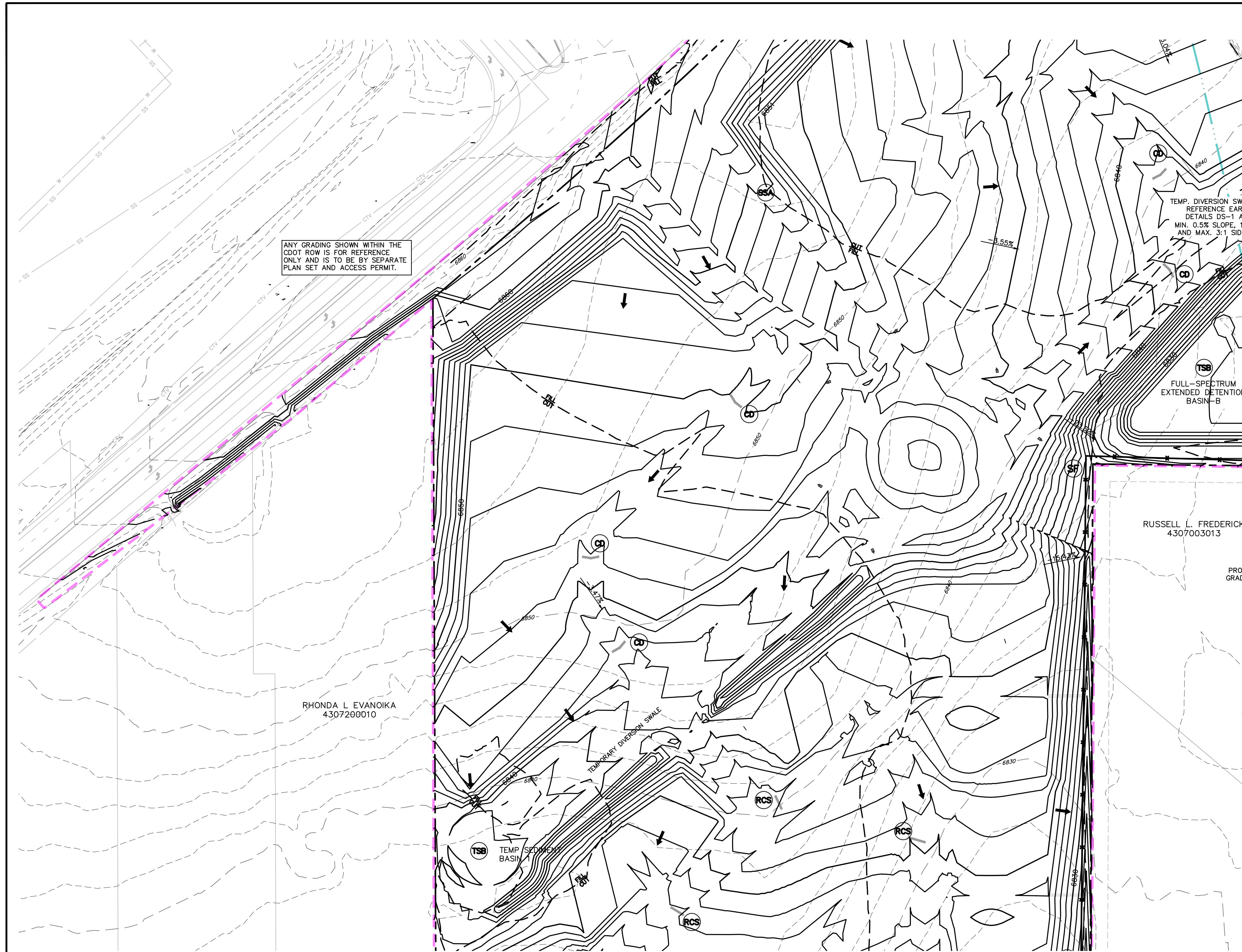
PROJECT NO. 21604-00CSCV  
DRAWING NO.

**EC-3**

SHEET: 4 OF 19

RUSSELL L. FREDERICK

EPC FILE NO.: SF2435



ANY GRADING SHOWN WITHIN THE CDOT ROW IS FOR REFERENCE ONLY AND IS TO BE BY SEPARATE PLAN SET AND ACCESS PERMIT.

TEMP. DIVERSION SWALI  
REFERENCE EARTH  
DETAILS DS-1 AND  
MIN. 0.5% SLOPE, 1:5'  
AND MAX. 3:1 SIDE SLOPE

FULL-SPECTRUM  
EXTENDED DETENTION  
BASIN-B

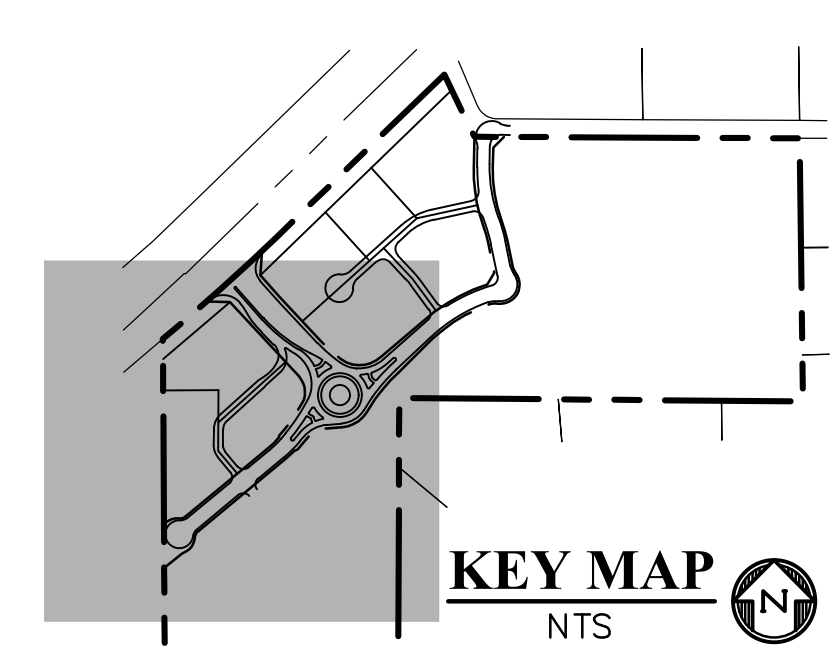
RHONDA L. EVANOIKA  
4307200010

RUSSELL L. FREDERICK  
4307003013

**LEGEND**

PROPOSED INTERMEDIATE CONTOUR	5522
PROPOSED INDEX CONTOUR	5520
EX. INTERMEDIATE CONTOUR	5364
EX. INDEX CONTOUR	5365
DIRECTION OF FLOW	←
HIGH POINT	HP
LOW POINT	LP
PROPOSED TEMPORARY DIVERSION SWALE	—
PROPOSED STORM SEWER	—
PROPOSED INLET	■
PROPOSED MANHOLE	●
LIMITS OF DISTURBANCE/ CONSTRUCTION SITE BOUNDARY	—
CUT/FILL LINE	— CUT — FILL —
100-YR FLOODPLAIN	—
INITIAL/INTERIM SILT FENCE	SF
INITIAL/INTERIM CONCRETE WASHOUT AREA	CWA
INITIAL/INTERIM TEMPORARY SEDIMENT BASIN	TSB
INITIAL/INTERIM VEHICLE TRACKING CONTROL	VTC
INITIAL/INTERIM ROUGH CUT STREET CONTROL	RCS
INITIAL/INTERIM STABILIZED STAGING AREA	SSA
INITIAL/INTERIM CHECK DAM	CD

- NOTES:**
- OVERLOT GRADING WILL OCCUR ACROSS THE ENTIRETY OF THE SITE.
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  - ANY WORK WITHIN THE FLOODPLAIN WILL REQUIRE A FLOODPLAIN DEVELOPMENT PERMIT.



**TEMPORARY SEDIMENT BASIN SIZING**  
EXAMPLE DIMENSIONS TO ACHIEVE VOLUME

LOCATION	TRIBUTARY AREA (AC)	MIN. STORAGE VOLUME (3,600 CF/AC)	BASIN BOTTOM LENGTH (FT)	BASIN BOTTOM WIDTH (FT)	BERM HEIGHT (FT)	VOLUME (CF)	SPILLWAY CREST LENGTH (FT)	HOLE DIAMETER (IN)
POND A	15.35	55273	170	85	4	57800	22	1-3/16
POND B	15.23	54838	170	85	4	57800	22	1-3/16
POND C (less TSB1)	15.05	54190	170	85	4	57900	22	1-3/16
TSB1 (C Basins)	8.89	31293	150	75	3	33750	13	7/8
TSB2 (Basin D4)	1.93	6956	70	35	3	7350	3	13/16

Unresolved: Include basin OSD1 in tributary area

FOR FURTHER TSB INFORMATION REFERENCE STANDARD DETAIL SC-7 ON SHEET D12

PREPARED BY:



CLIENT:

FALCON FIELD, LLC

1864 WOODMOOR DR, SUITE 100  
MONUMENT, CO 80132  
(719) 476-0800  
CONTACT: STEVE ROSSOLL

GRADING AND EROSION CONTROL PLANS FOR:  
**THE COMMONS AT FALCON FIELD - FILING NO. 1**  
12445 RIO LANE, AND VACANT LAND  
PEYTON, EL PASO COUNTY, COLORADO

ISSUE	DATE
INITIAL ISSUE	12/13/24
RESUBMITTAL	3/13/26

DESIGNED BY: KGV  
DRAWN BY: CGH  
CHECKED BY: TDM  
FILE NAME: 21604-01EC1-4

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.

DRAWING SCALE:  
HORIZONTAL: 1" = 60'  
VERTICAL: N/A

INITIAL/INTERIM EROSION CONTROL PLAN

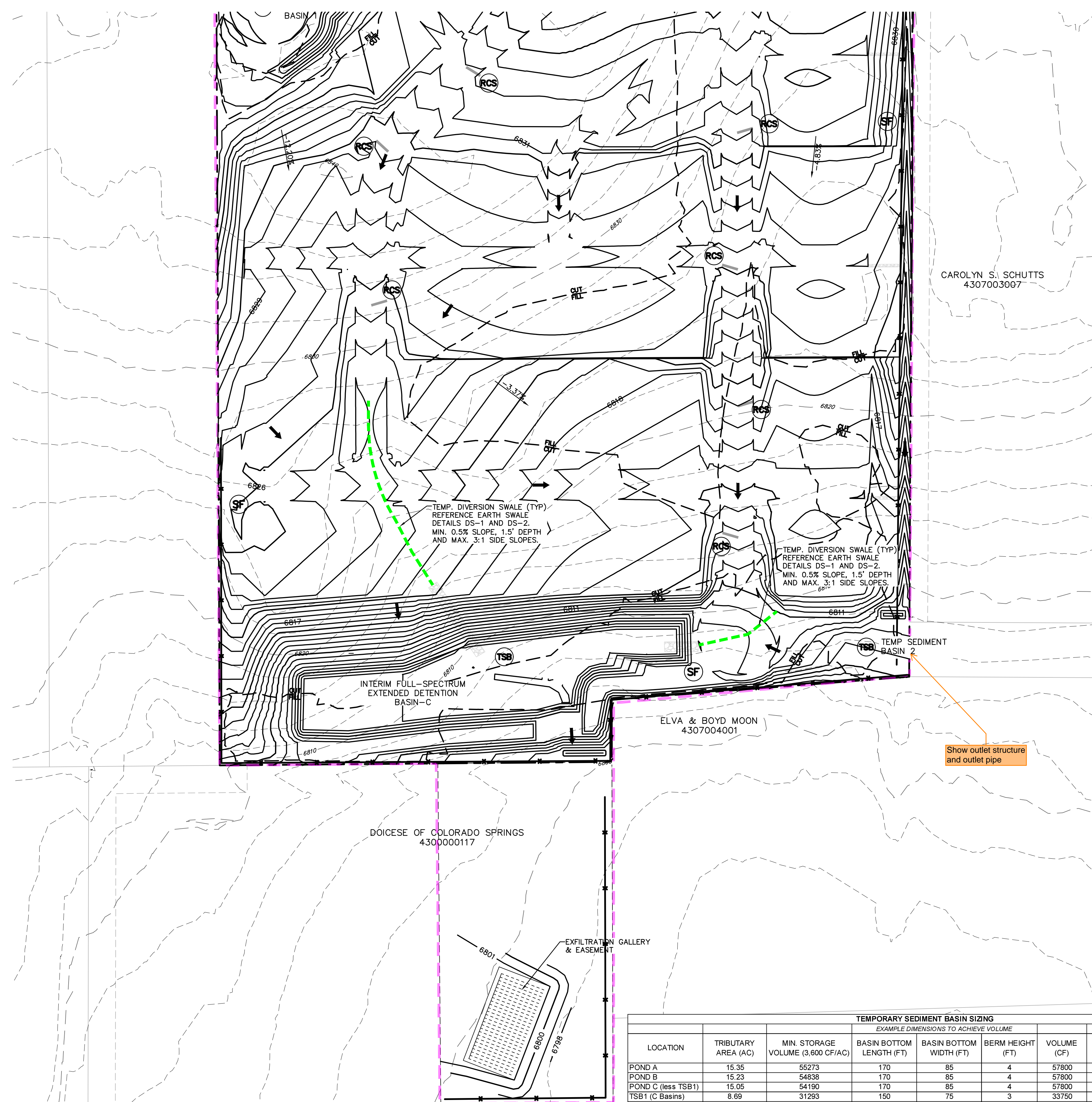
PROJECT NO. 21604-00CSCV  
DRAWING NO.

**EC-4**

SHEET: 5 OF 19



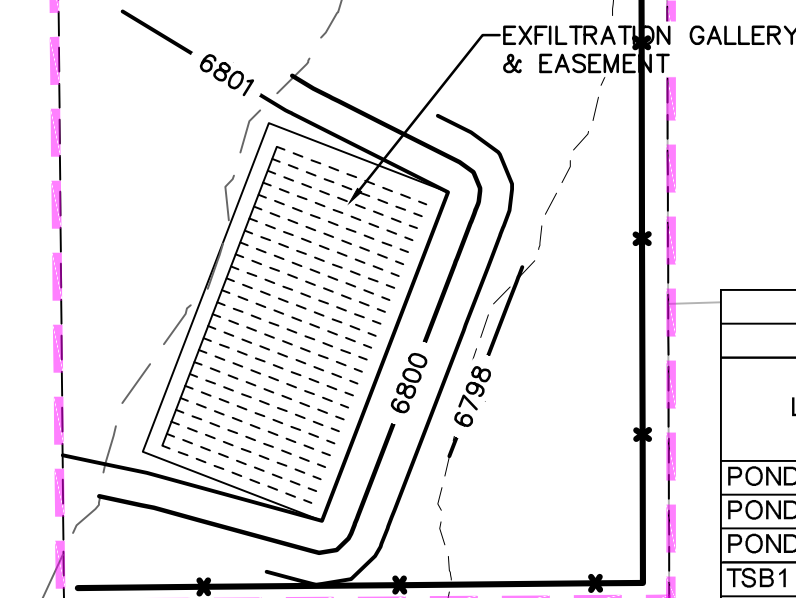
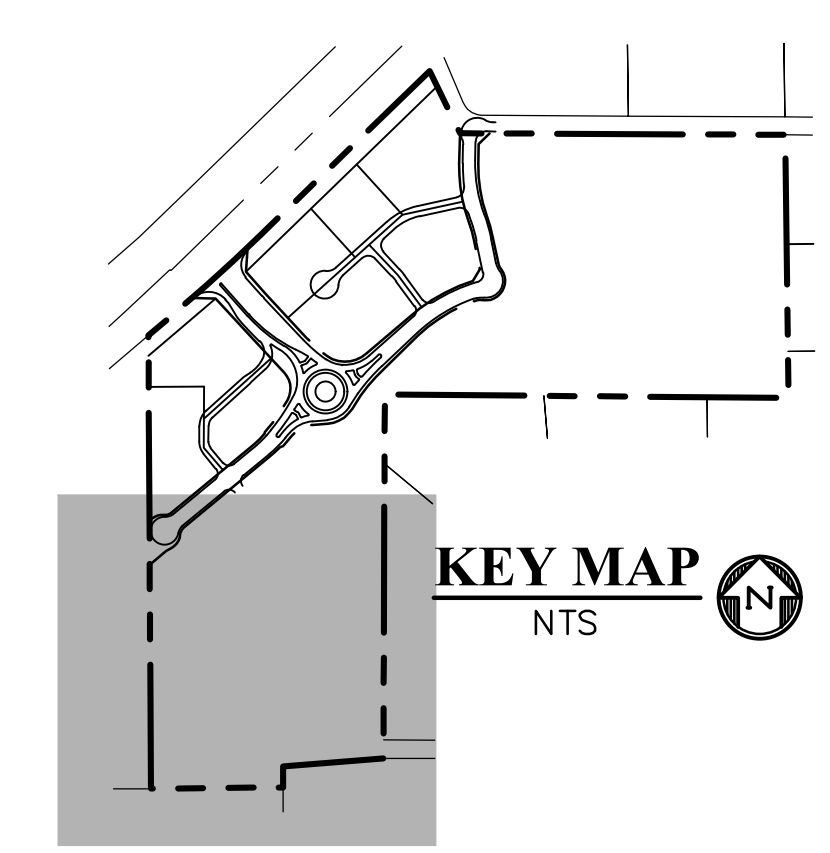
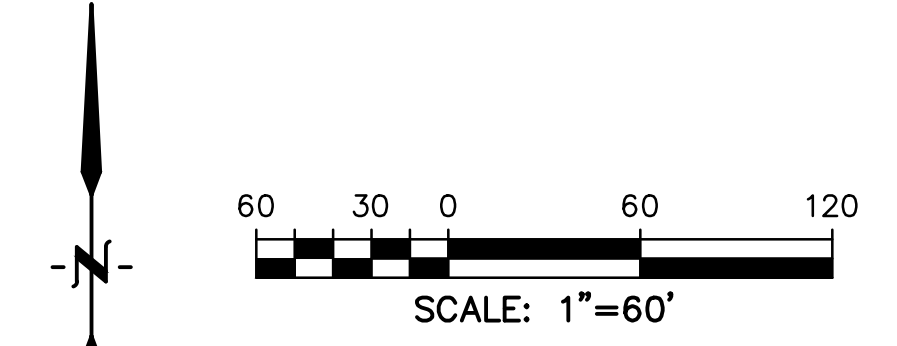
EPC FILE NO.: SF2435



**LEGEND**

PROPOSED INTERMEDIATE CONTOUR	..... 5522
PROPOSED INDEX CONTOUR	..... 5520
EX. INTERMEDIATE CONTOUR	..... 5364
EX. INDEX CONTOUR	..... 5365
DIRECTION OF FLOW	←
HIGH POINT	HP
LOW POINT	LP
PROPOSED TEMPORARY DIVERSION SWALE	———
PROPOSED STORM SEWER	———
PROPOSED INLET	■
PROPOSED MANHOLE	●
LIMITS OF DISTURBANCE/ CONSTRUCTION SITE BOUNDARY	———
CUT/FILL LINE	——— CUT FILL
100-YR FLOODPLAIN	.....
INITIAL/INTERIM SILT FENCE	(SF) — X
INITIAL/INTERIM CONCRETE WASHOUT AREA	(CWA) □
INITIAL/INTERIM TEMPORARY SEDIMENT BASIN	(TSB) □
INITIAL/INTERIM VEHICLE TRACKING CONTROL	(VTC) [Pattern]
INITIAL/INTERIM ROUGH CUT STREET CONTROL	(RCS) —
INITIAL/INTERIM STABILIZED STAGING AREA	(SSA) —
INITIAL/INTERIM CHECK DAM	(CD) —

- NOTES:**
- OVERLOT GRADING WILL OCCUR ACROSS THE ENTIRETY OF THE SITE.
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**TEMPORARY SEDIMENT BASIN SIZING**  
EXAMPLE DIMENSIONS TO ACHIEVE VOLUME

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POND B	15.23	54838	170	85	4	57800	22	1-3/16
POND C (less TSB1)	15.05	54190	170	85	4	57900	22	1-3/16
TSB1 (C Basins)	8.89	31292	150	75	3	33750	13	7/8
TSB2 (Basin D4)	1.93	6956	70	35	3	7350	3	13/16

FOR FURTHER TSB INFORMATION REFERENCE STANDARD DETAIL SC-7 ON SHEET D12

PREPARED BY:



CLIENT:

FALCON FIELD, LLC

1864 WOODMOOR DR, SUITE 100  
MONUMENT, CO 80132  
(719) 476-0800  
CONTACT: STEVE ROSSOLL

GRADING AND EROSION CONTROL PLANS FOR:  
**THE COMMONS AT FALCON**  
**FIELD - FILING NO. 1**  
12445 RIO LANE, AND VACANT LAND  
PEYTON, EL PASO COUNTY, COLORADO

ISSUE	DATE
INITIAL ISSUE	12/13/24
RESUBMITTAL	3/13/26

DESIGNED BY: KGV  
DRAWN BY: CGH  
CHECKED BY: TDM  
FILE NAME: 21604-01EC1-4

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.

DRAWING SCALE:  
HORIZONTAL: 1" = 60'  
VERTICAL: N/A

INITIAL/INTERIM EROSION CONTROL PLAN

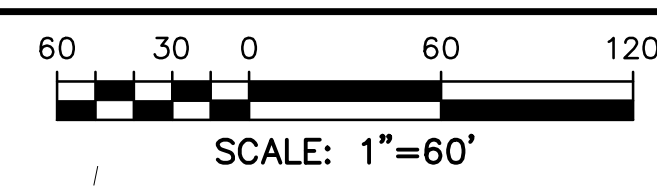
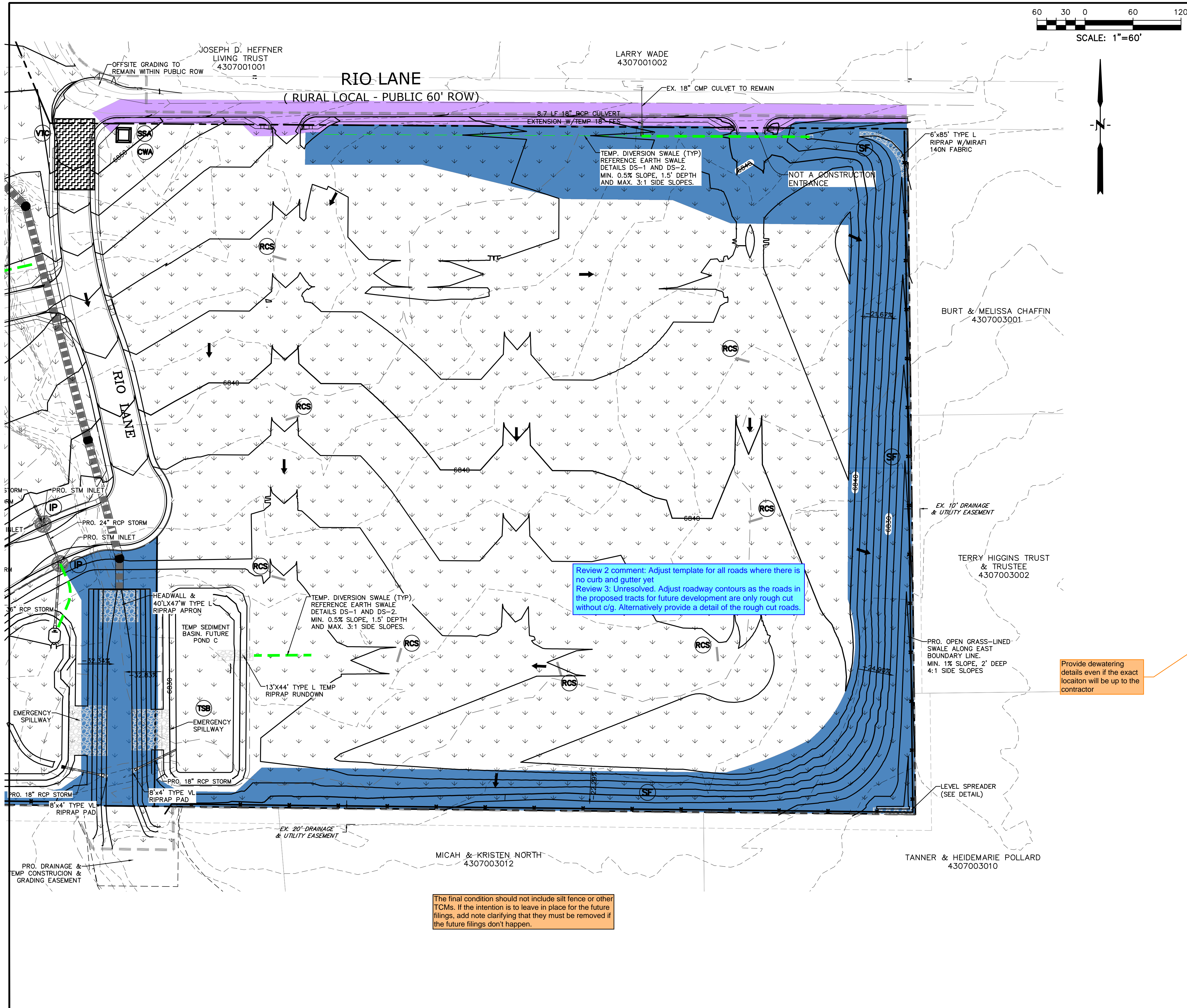
PROJECT NO. 21604-00CSCV  
DRAWING NO.

**EC-5**

SHEET: 6 OF 19



EPC FILE NO.: SF2435



**LEGEND**

- PROPOSED INTERMEDIATE CONTOUR ..... 5522
- PROPOSED INDEX CONTOUR ..... 5520
- EX. INTERMEDIATE CONTOUR ..... 5364
- EX. INDEX CONTOUR ..... 5365
- DIRECTION OF FLOW ..... ←
- HIGH POINT ..... HP
- LOW POINT ..... LP
- PROPOSED TEMPORARY DIVERSION SWALE ..... ————
- PROPOSED STORM SEWER ..... ————
- PROPOSED INLET ..... ■
- PROPOSED MANHOLE ..... ●
- LIMITS OF DISTURBANCE/ CONSTRUCTION SITE BOUNDARY ..... - - - -
- CUT/FILL LINE ..... ————
- 100-YR FLOODPLAIN ..... ————
- INITIAL/INTERIM INLET PROTECTION (SEE DETAIL SHEET 18) ..... IP
- INITIAL/INTERIM SILT FENCE (SEE DETAIL SHEET 18) ..... SF
- INITIAL/INTERIM CONCRETE WASHOUT AREA (SEE DETAIL SHEET 18) ..... CWA
- INITIAL/INTERIM TEMPORARY SEDIMENT BASIN (SEE DETAIL SHEET 17) ..... TSB
- INITIAL/INTERIM VEHICLE TRACKING CONTROL (SEE DETAIL SHEET 16) ..... VTC
- INITIAL/INTERIM ROUGH CUT STREET CONTROL (SEE DETAIL SHEET 17) ..... RCS
- INITIAL/INTERIM STABILIZED STAGING AREA (SEE DETAIL SHEET 18) ..... SSA
- FINAL SEEDING AND MULCHING (SEE DETAIL SHEET 18) ..... SM

PREPARED BY:



CLIENT:

FALCON FIELD, LLC  
1864 WOODMOOR DR, SUITE 100  
MONUMENT, CO 80132  
CONTACT: STEVE ROSSOLL

GRADING AND EROSION CONTROL PLANS FOR:  
**THE COMMONS AT FALCON FIELD - FILING NO. 1**  
12445 RIO LANE, AND VACANT LAND  
PEYTON, EL PASO COUNTY, COLORADO

ISSUE	DATE
INITIAL ISSUE	12/13/24
RESUBMITTAL	3/13/26

DESIGNED BY: KGV  
DRAWN BY: CGH  
CHECKED BY: TDM  
FILE NAME: 21604-01FEC5-8

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.

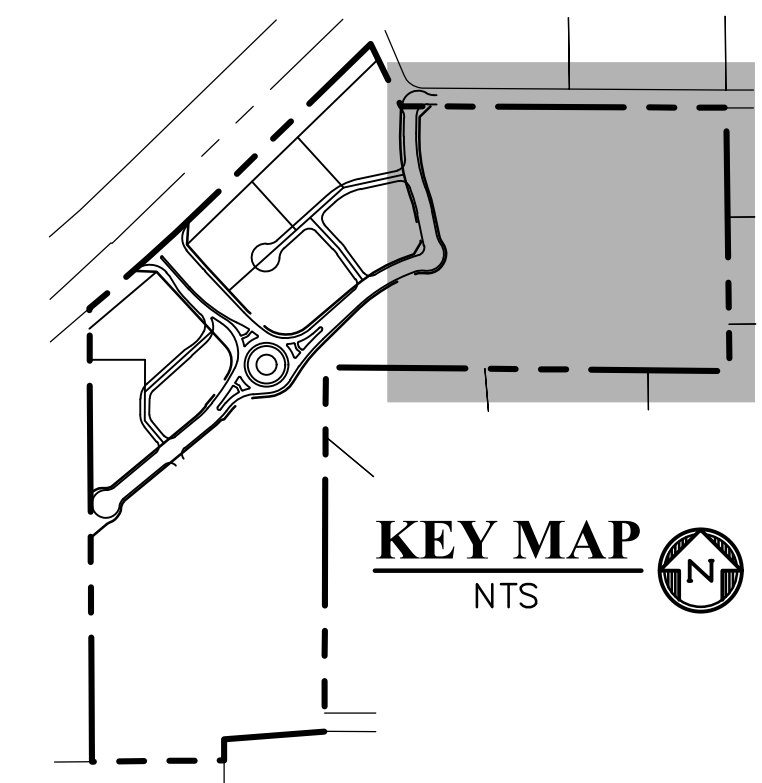
DRAWING SCALE:  
HORIZONTAL: 1" = 60'  
VERTICAL: N/A

FINAL EROSION CONTROL PLAN

PROJECT NO. 21604-00SCV  
DRAWING NO.

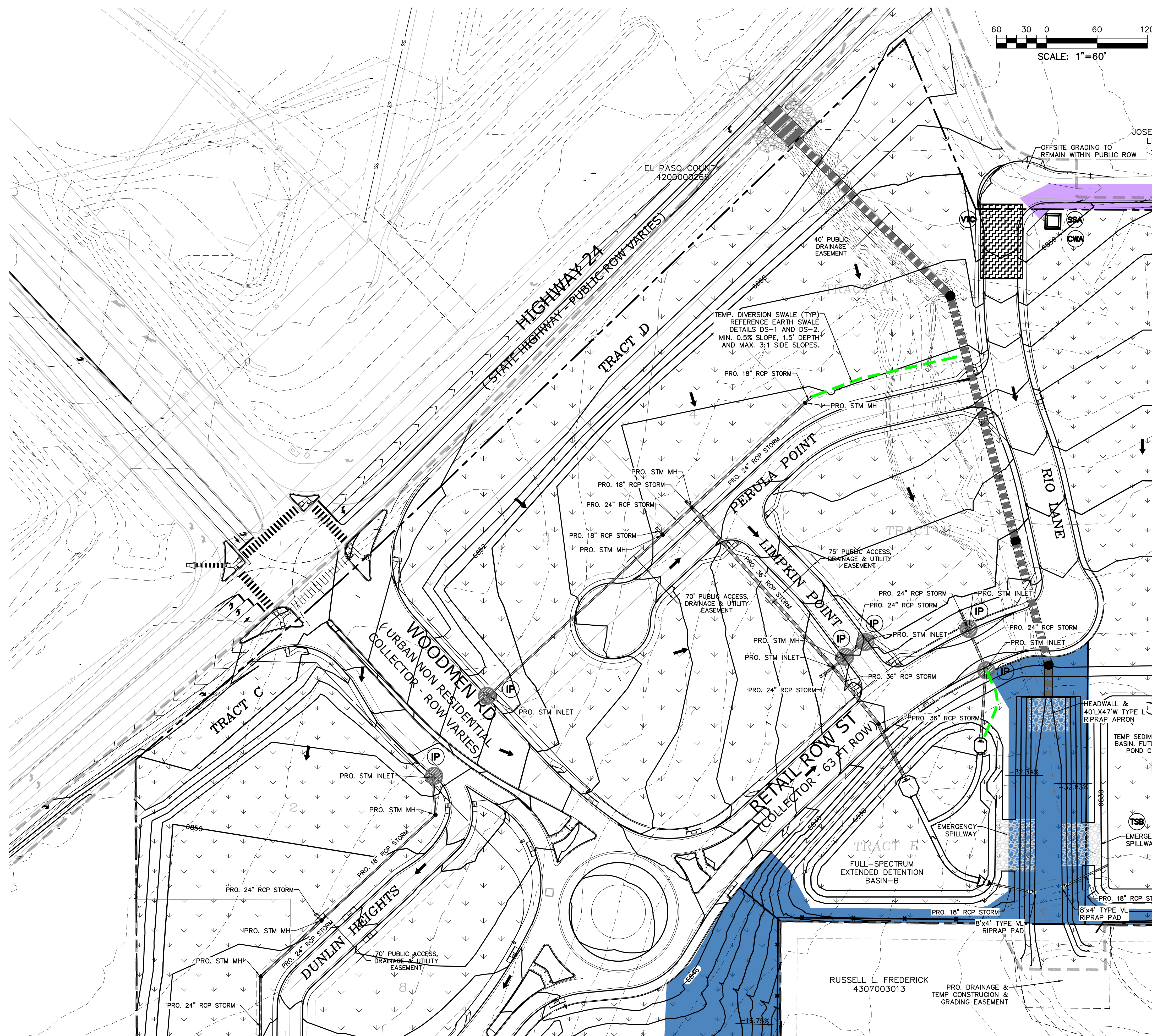
**EC-6**

SHEET: 7 OF 19



Know what's below.  
Call before you dig.  
CALL 3-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

EPC FILE NO.: SF2435

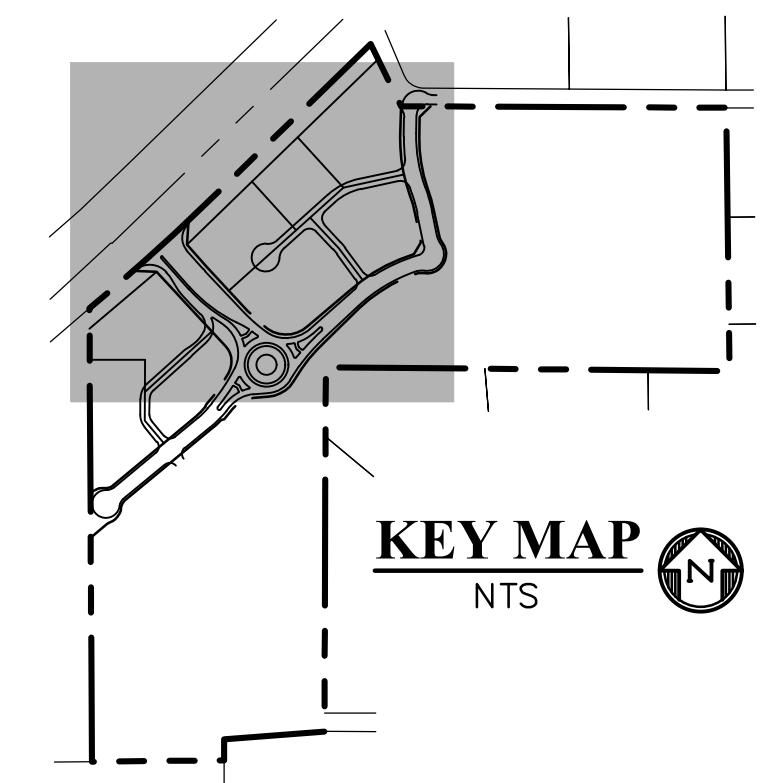


**LEGEND**

- PROPOSED INTERMEDIATE CONTOUR ..... 5522
- PROPOSED INDEX CONTOUR ..... 5520
- EX. INTERMEDIATE CONTOUR ..... 5364
- EX. INDEX CONTOUR ..... 5365
- DIRECTION OF FLOW ..... ←
- HIGH POINT ..... HP
- LOW POINT ..... LP
- PROPOSED TEMPORARY DIVERSION SWALE ..... [Symbol]
- PROPOSED STORM SEWER ..... [Symbol]
- PROPOSED INLET ..... [Symbol]
- PROPOSED MANHOLE ..... [Symbol]
- LIMITS OF DISTURBANCE/ CONSTRUCTION SITE BOUNDARY ..... [Symbol]
- CUT/FILL LINE ..... [Symbol]
- 100-YR FLOODPLAIN ..... [Symbol]
- INITIAL/INTERIM INLET PROTECTION (SEE DETAIL SHEET 18) ..... [Symbol] IP
- INITIAL/INTERIM SILT FENCE (SEE DETAIL SHEET 18) ..... [Symbol] SF
- INITIAL/INTERIM CONCRETE WASHOUT AREA (SEE DETAIL SHEET 18) ..... [Symbol] CWA
- INITIAL/INTERIM TEMPORARY SEDIMENT BASIN (SEE DETAIL SHEET 17) ..... [Symbol] TSB
- INITIAL/INTERIM VEHICLE TRACKING CONTROL (SEE DETAIL SHEET 16) ..... [Symbol] VTC
- INITIAL/INTERIM ROUGH CUT STREET CONTROL (SEE DETAIL SHEET 17) ..... [Symbol] RCS
- INITIAL/INTERIM STABILIZED STAGING AREA (SEE DETAIL SHEET 18) ..... [Symbol] SSA
- FINAL SEEDING AND MULCHING (SEE DETAIL SHEET 18) ..... [Symbol] SM
- [Symbol] EXCLUSION 1.7.1.C.1
- [Symbol] SELF TREATING SPA IN INTERIM CONDITION

**NOTES:**

1. OVERLOT GRADING WILL OCCUR ACROSS THE ENTIRETY OF THE SITE.
2. WASTE DISPOSAL BIN LOCATIONS ARE TBD AND WILL BE ADDED TO THE SWMP ONCE DETERMINED BY THE CONTRACTOR.
3. DEWATERING IS LIKELY TO BE NECESSARY DURING CONSTRUCTION. THE CONTRACTOR, WITH INPUT FROM THE COUNTY STORMWATER INSPECTOR, WILL DESIGN THE LOCATIONS OF DIVERSION, PUMP & DISCHARGES.
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5. THE SITE CURRENTLY IS MADE UP OF ROUGHLY 98% NATIVE GRASSES AND VEGETATION.
6. ANY WORK WITHIN THE FLOODPLAIN WILL REQUIRE A FLOODPLAIN DEVELOPMENT PERMIT.



**811** Know what's below. Call before you dig.  
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PREPARED BY:

DREXEL, BARRELL & CO.  
 Engineers & Surveyors  
 101 SAWATCH ST. #100  
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GRADING AND EROSION CONTROL PLANS FOR:  
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 12445 RIO LANE, AND VACANT LAND  
 PEYTON, EL PASO COUNTY, COLORADO

ISSUE	DATE
INITIAL ISSUE	12/13/24
RESUBMITTAL	3/13/26

DESIGNED BY: KGV  
 DRAWN BY: CGH  
 CHECKED BY: TDM  
 FILE NAME: 21604-01FEC5-B

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.

DRAWING SCALE:  
 HORIZONTAL: 1" = 60'  
 VERTICAL: N/A

**FINAL EROSION CONTROL PLAN**

PROJECT NO. 21604-00CSV  
 DRAWING NO.

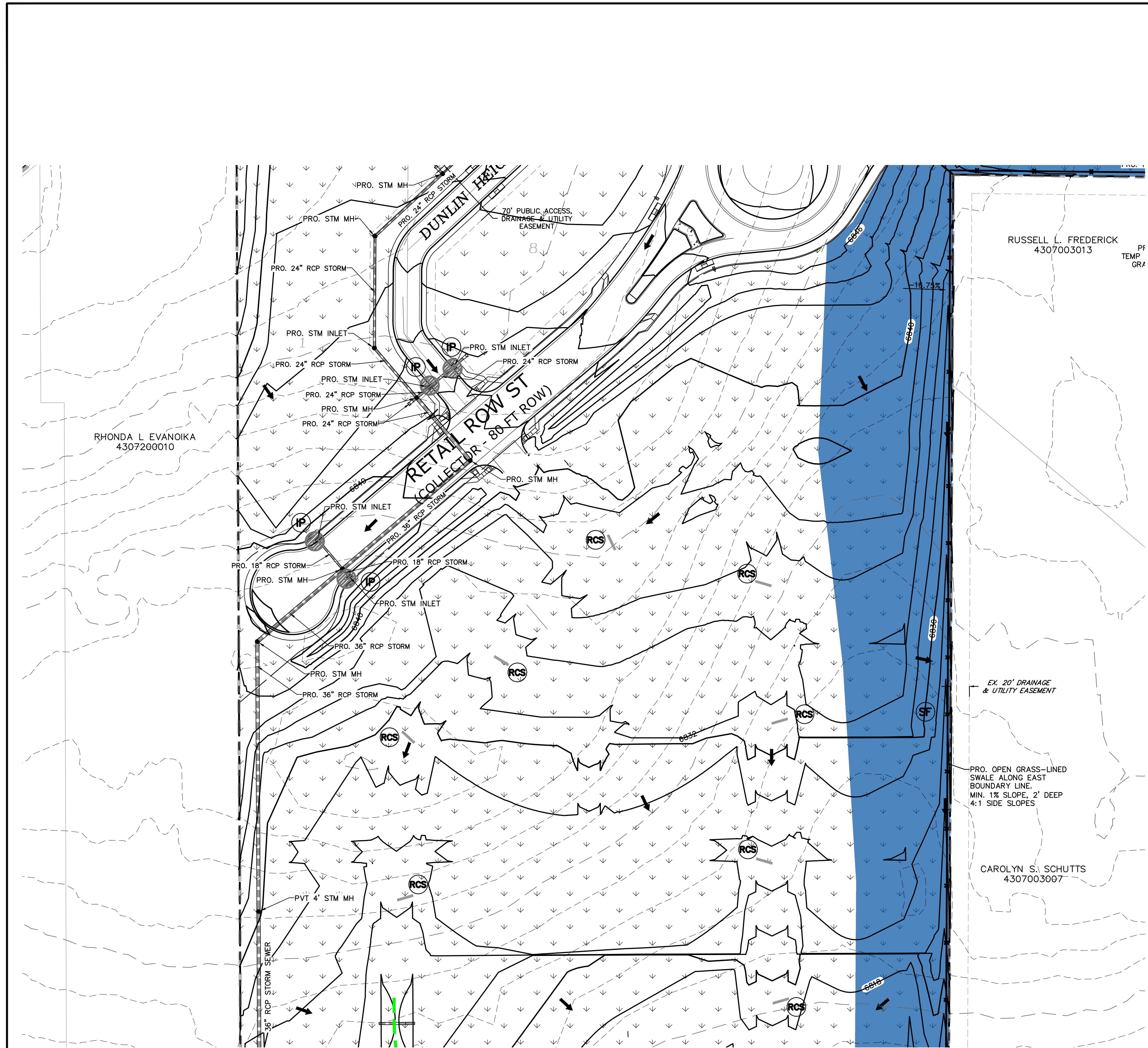
**EC-7**

SHEET: 8 OF 19

RUSSELL L. FREDERICK  
 4307003013

PRO. DRAINAGE & TEMP CONSTRUCTION & GRADING EASEMENT

EPC FILE NO.: SF2435



**LEGEND**

PROPOSED INTERMEDIATE CONTOUR ..... 5522

PROPOSED INDEX CONTOUR ..... 5520

EX. INTERMEDIATE CONTOUR ..... 5364

EX. INDEX CONTOUR ..... 5365

DIRECTION OF FLOW ..... ←

HIGH POINT ..... HP

LOW POINT ..... LP

PROPOSED TEMPORARY DIVERSION SWALE ..... [Symbol]

PROPOSED STORM SEWER ..... [Symbol]

PROPOSED INLET ..... [Symbol]

PROPOSED MANHOLE ..... [Symbol]

LIMITS OF DISTURBANCE/ CONSTRUCTION SITE BOUNDARY ..... [Symbol]

CUT/FILL LINE ..... [Symbol]

100-YR FLOODPLAIN ..... [Symbol]

INITIAL/INTERIM INLET PROTECTION (SEE DETAIL SHEET 18) ..... IP

INITIAL/INTERIM SILT FENCE (SEE DETAIL SHEET 18) ..... SF

INITIAL/INTERIM CONCRETE WASHOUT AREA (SEE DETAIL SHEET 18) ..... CWA

INITIAL/INTERIM TEMPORARY SEDIMENT BASIN (SEE DETAIL SHEET 17) ..... TSB

INITIAL/INTERIM VEHICLE TRACKING CONTROL (SEE DETAIL SHEET 16) ..... VTC

INITIAL/INTERIM ROUGH CUT STREET CONTROL (SEE DETAIL SHEET 17) ..... RCS

INITIAL/INTERIM STABILIZED STAGING AREA (SEE DETAIL SHEET 18) ..... SSA

FINAL SEEDING AND MULCHING (SEE DETAIL SHEET 18) ..... SM

[Symbol] EXCLUSION 1.7.1.C.1

[Symbol] SELF TREATING SPA IN INTERIM CONDITION



PREPARED BY:

DREXEL, BARRELL & CO.  
Engineers & Surveyors  
101 SAWATCH ST. #100  
COLORADO SPGS, COLORADO 80903  
CONTACT: TIM D. MCCONNELL, P.E.  
(719) 476-0800  
COLORADO SPRINGS • LAFAYETTE

CLIENT:

FALCON FIELD, LLC

1864 WOODMOOR DR, SUITE 100  
MONUMENT, CO 80132  
CONTACT: STEVE ROSSOLL

GRADING AND EROSION CONTROL PLANS FOR:  
**THE COMMONS AT FALCON FIELD - FILING NO. 1**  
12445 RIO LANE, AND VACANT LAND  
PEYTON, EL PASO COUNTY, COLORADO

ISSUE	DATE
INITIAL ISSUE	12/13/24
RESUBMITTAL	3/13/26

DESIGNED BY: KGV  
DRAWN BY: CGH  
CHECKED BY: TDM  
FILE NAME: 21604-01FEC5-8

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.

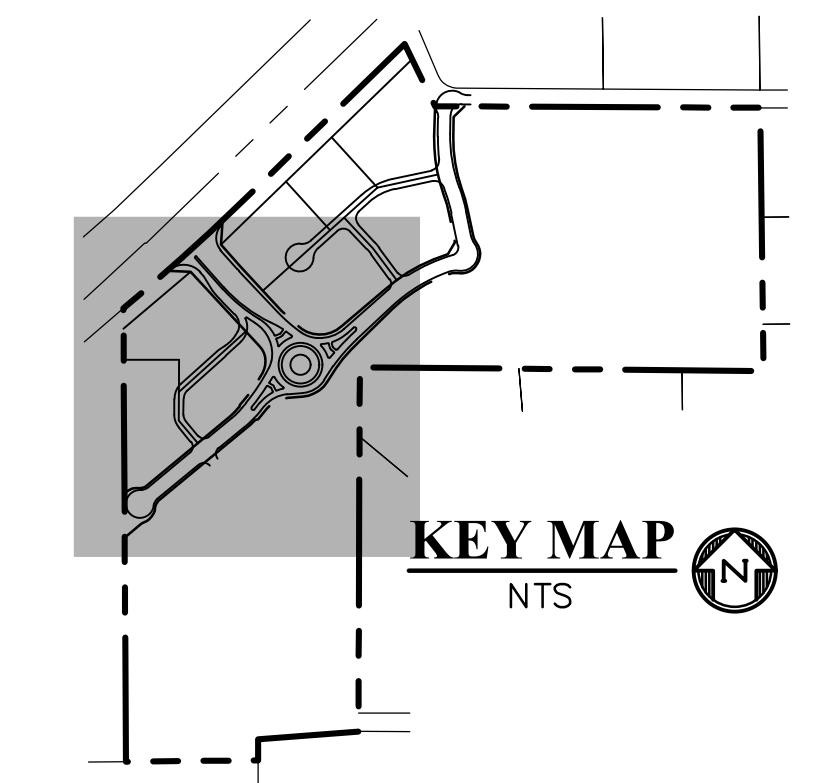
DRAWING SCALE:  
HORIZONTAL: 1" = 60'  
VERTICAL: N/A

FINAL EROSION CONTROL PLAN

PROJECT NO. 21604-00CSCV  
DRAWING NO.

**EC-8**

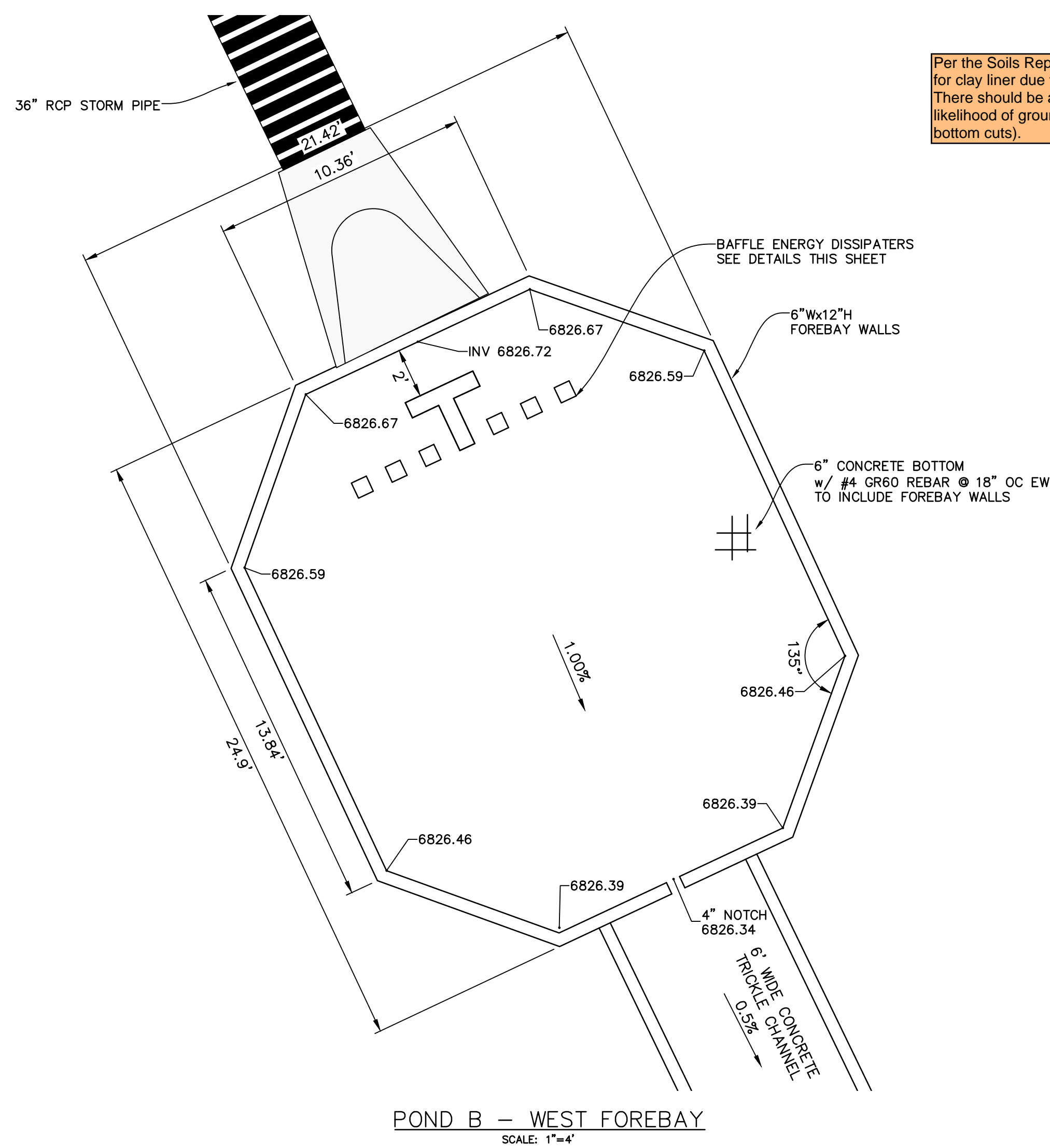
SHEET: 9 OF 19



Know what's below.  
Call before you dig.  
CALL 3-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

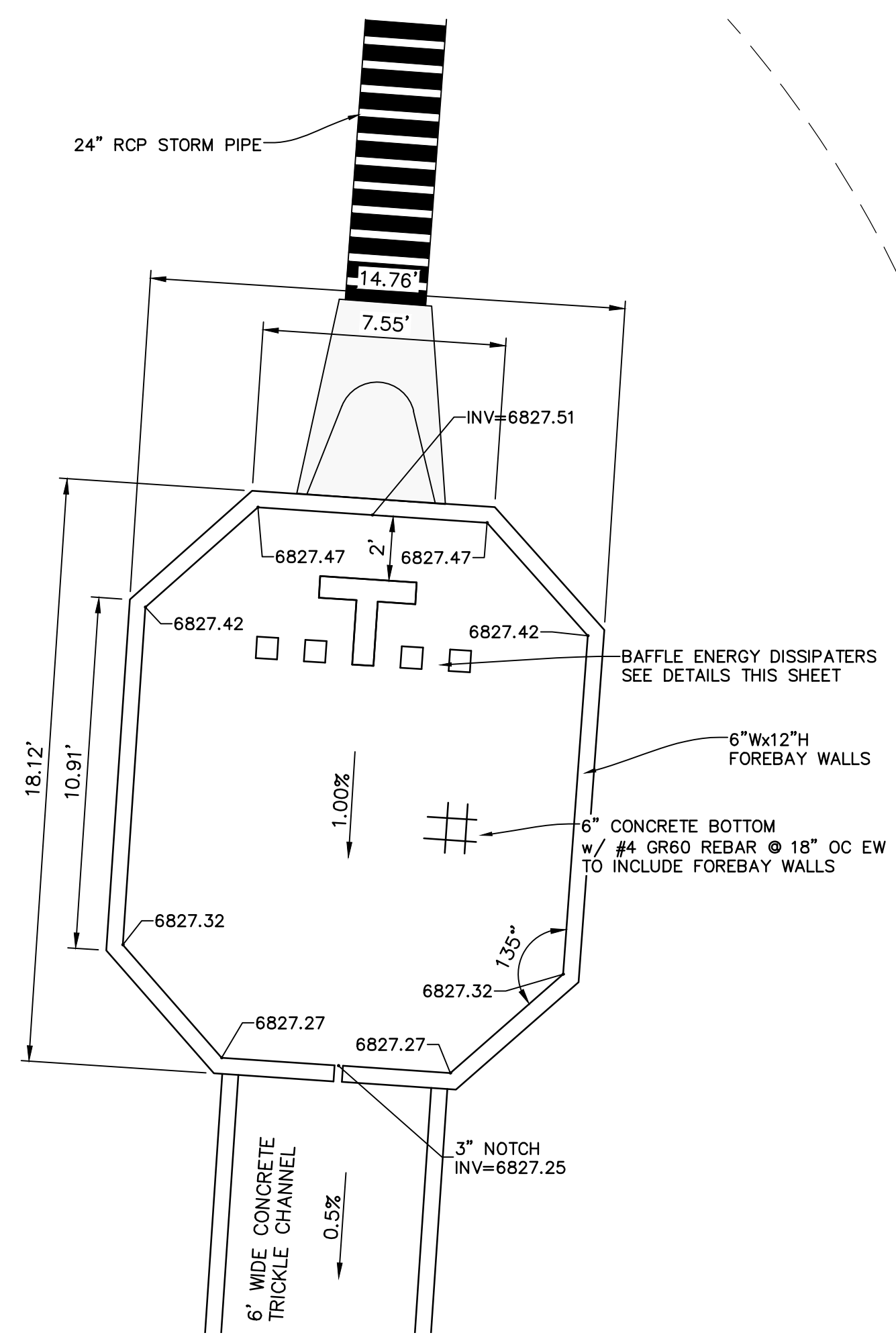
EPC FILE NO.: SF2435



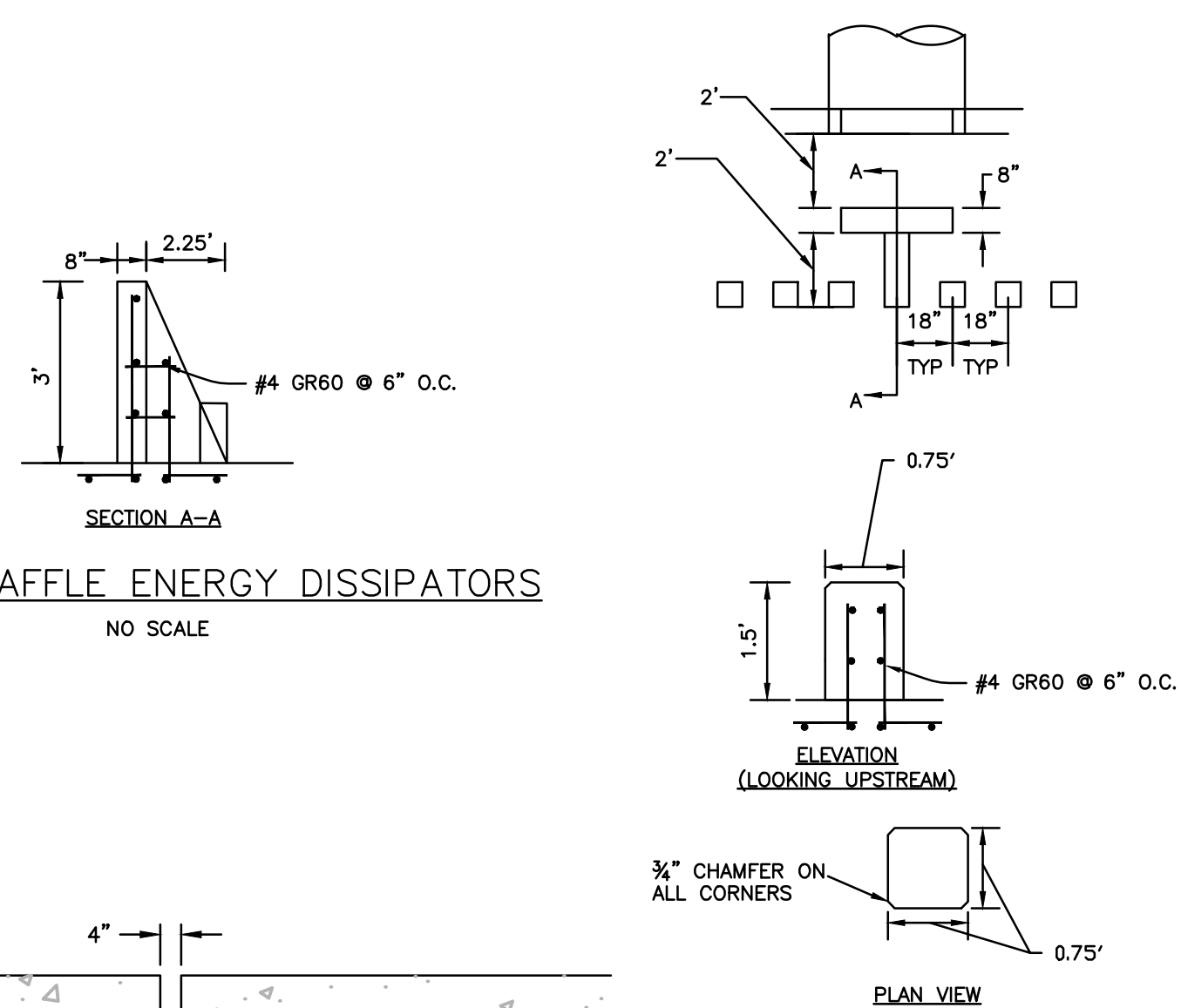


POND B - WEST FOREBAY  
SCALE: 1"=4'

Per the Soils Report groundwater still seems like a high potential. Provide detail for clay liner due to high risk for groundwater as still indicated in the Soils Report. There should be at minimum an optional detail in preparation for the high likelihood of groundwater in the ponds (groundwater is about 1' above the pond bottom cuts).



POND B - EAST FOREBAY  
SCALE: 1"=4'



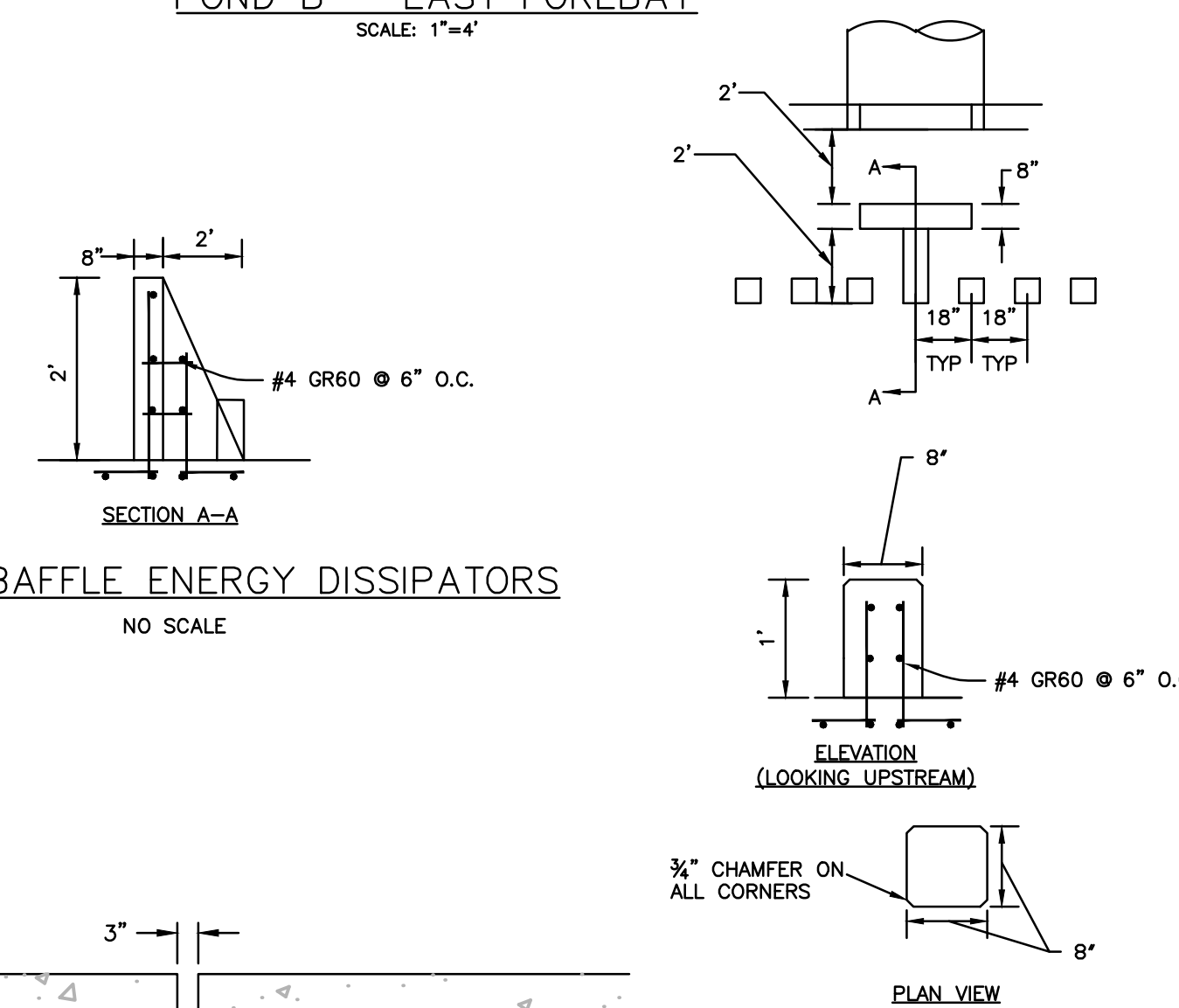
FOREBAY BAFFLE ENERGY DISSIPATORS

NO SCALE

FOREBAY NOTCH

NO SCALE

WESTERN FOREBAY DETAILS



FOREBAY BAFFLE ENERGY DISSIPATORS

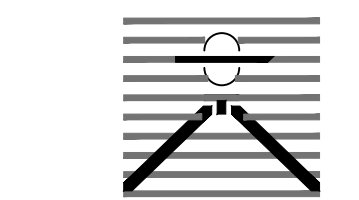
NO SCALE

FOREBAY NOTCH

NO SCALE

EASTERN FOREBAY DETAILS

PREPARED BY:



DREXEL, BARRELL & CO.  
Engineers & Surveyors  
101 SAWATCH ST. #100  
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GRADING AND EROSION CONTROL PLANS FOR:  
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DRAWN BY: CGH  
CHECKED BY: KGV  
FILE NAME: 21604-01PND1

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.

DRAWING SCALE:  
HORIZONTAL: 1"=4'  
VERTICAL: N/A

POND B  
FOREBAY DETAILS

PROJECT NO. 21604-00CSCV  
DRAWING NO.

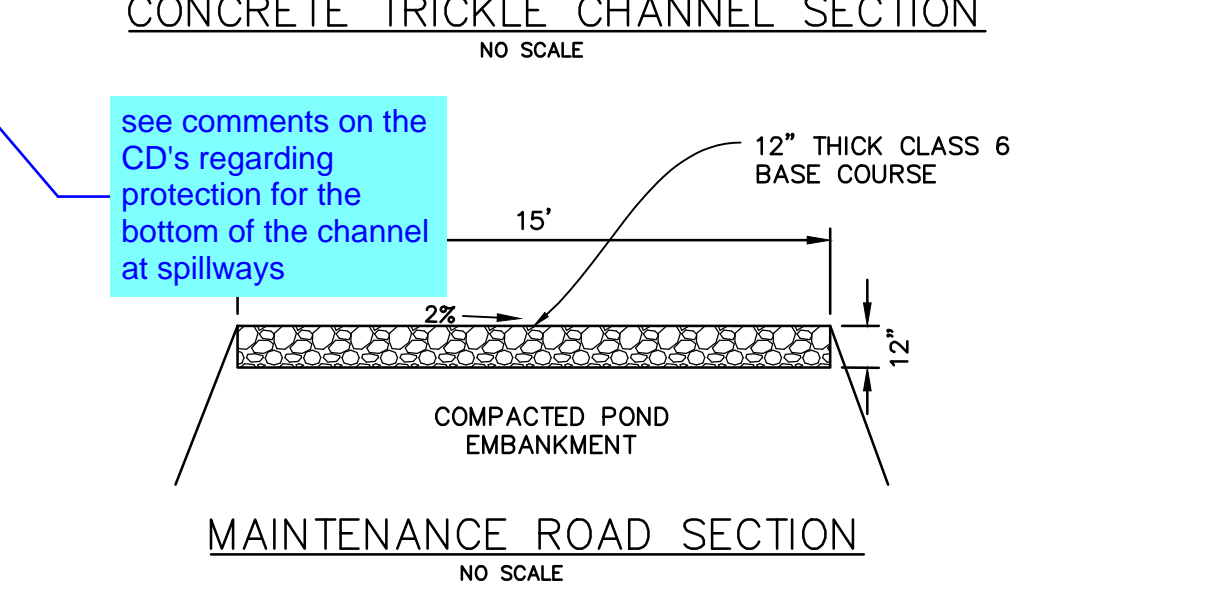
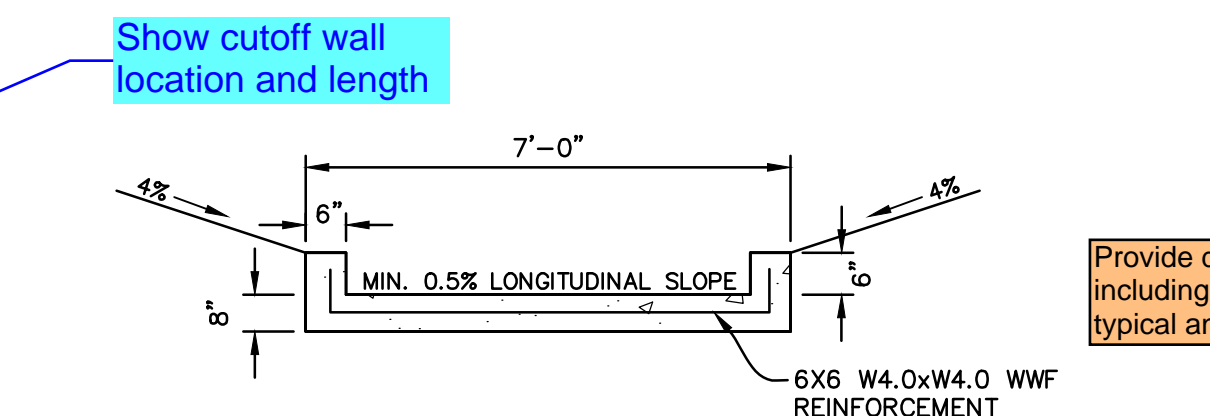
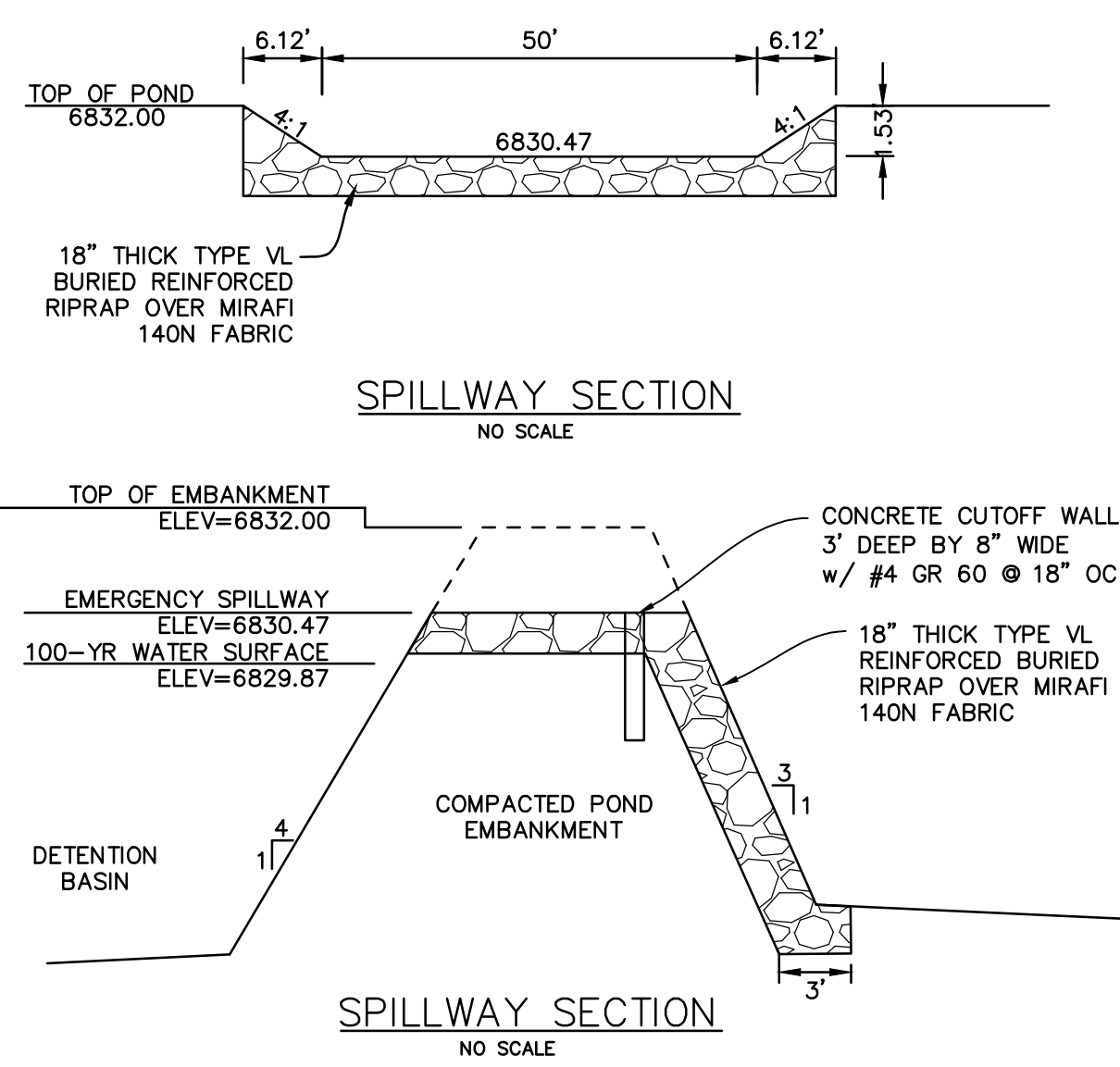
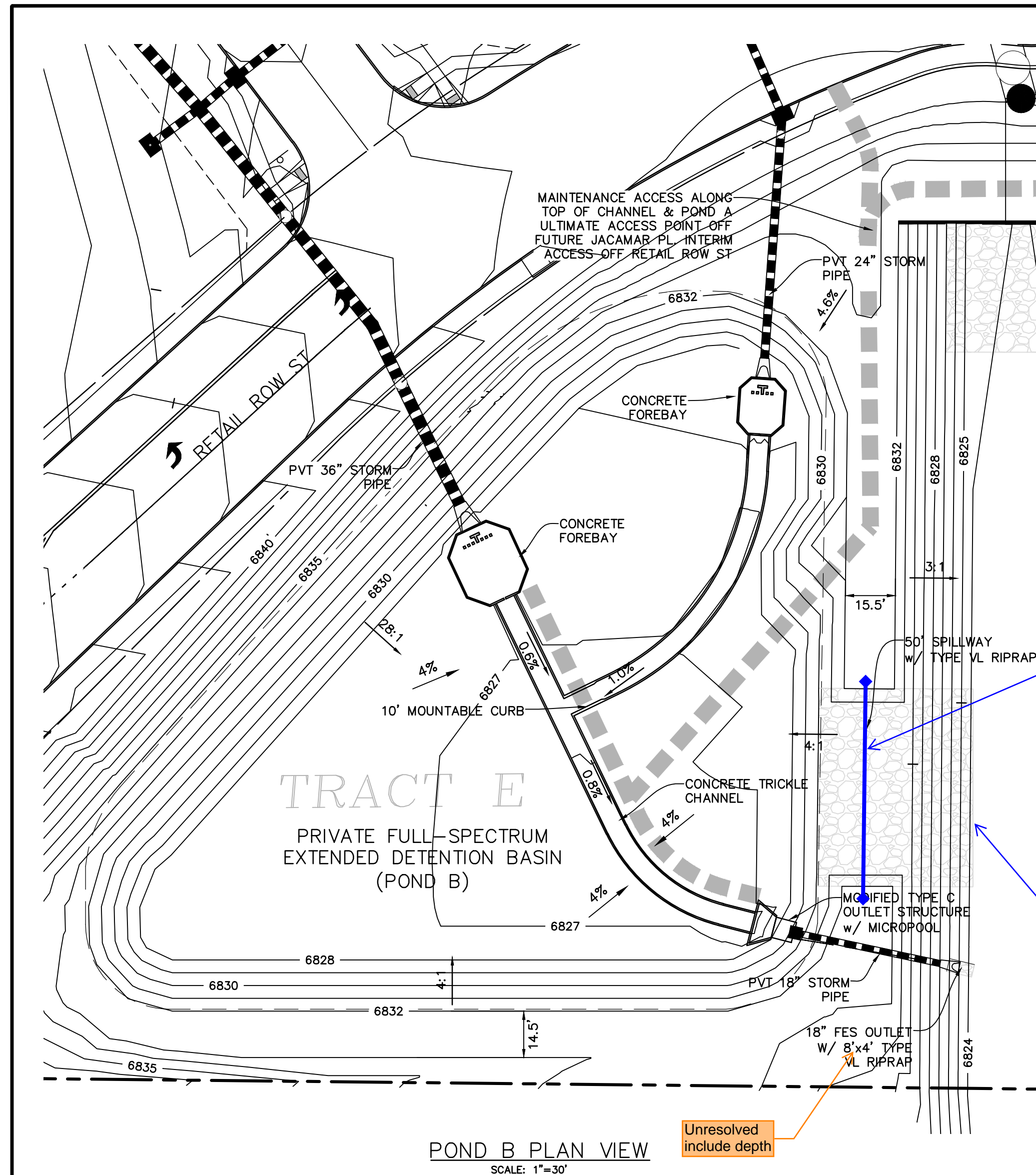
**PD-1**

SHEET: 11 OF 19



Know what's below.  
**Call before you dig.**  
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EPC FILE NO.: SF2435



EPC DPW Stormwater may have additional comments on the ponds once the pond calcs have been updated per the drainage report comments.

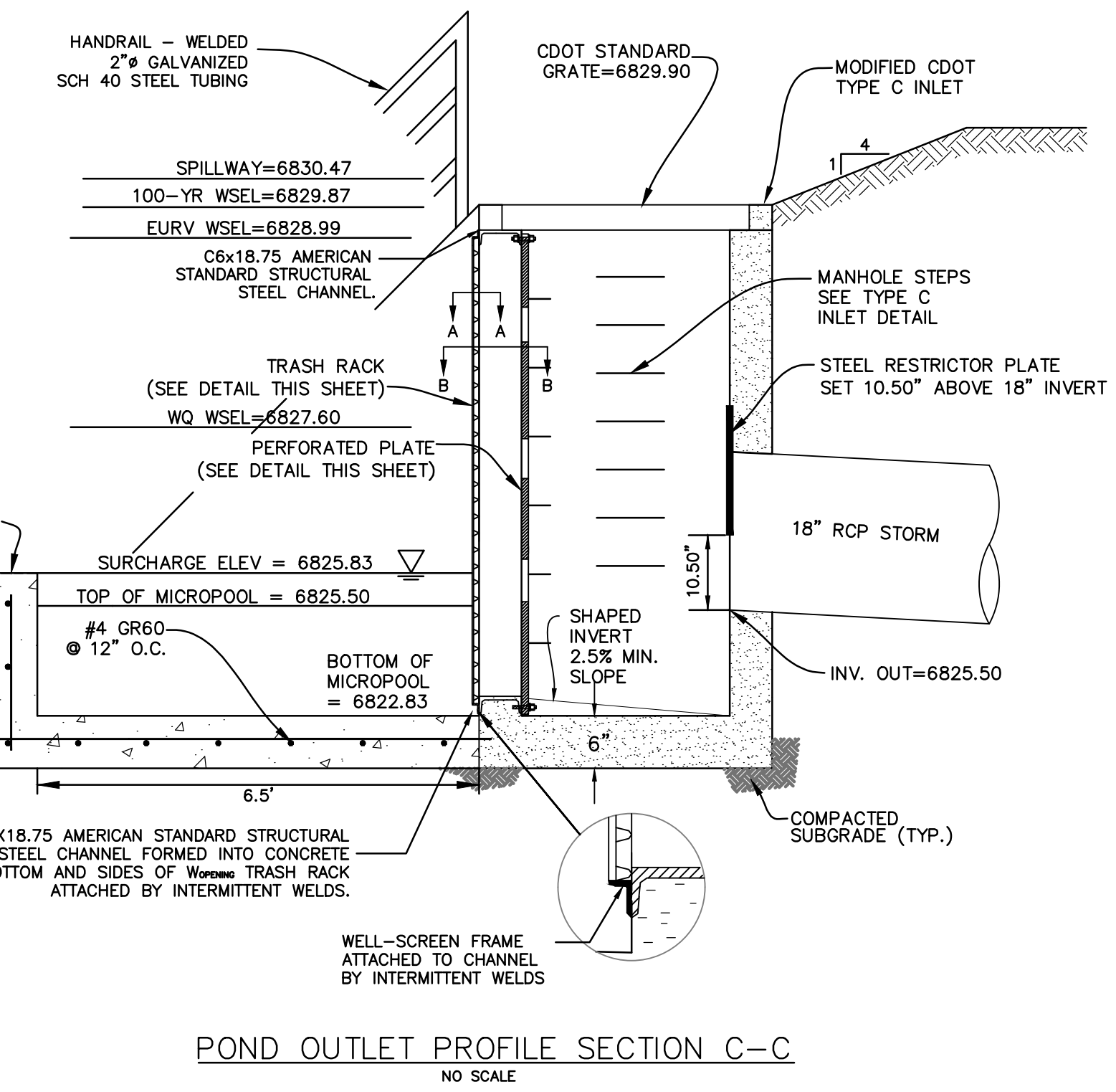
Show cutoff wall location and length

Provide detail for mountable curb including transition distance between typical and mountable sections

see comments on the CD's regarding protection for the bottom of the channel at spillways

Unresolved include depth

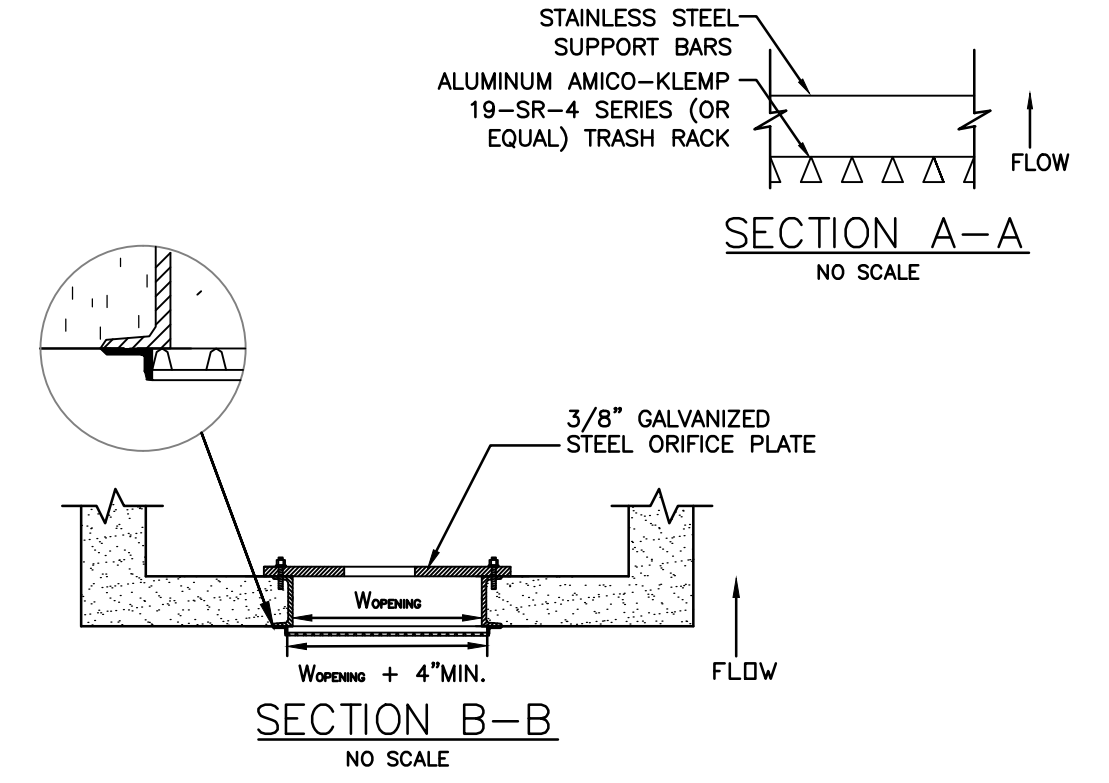
Clarify what will cover this opening, concrete? Steel plate? There shouldn't be an open gap at the top of the outlet structure



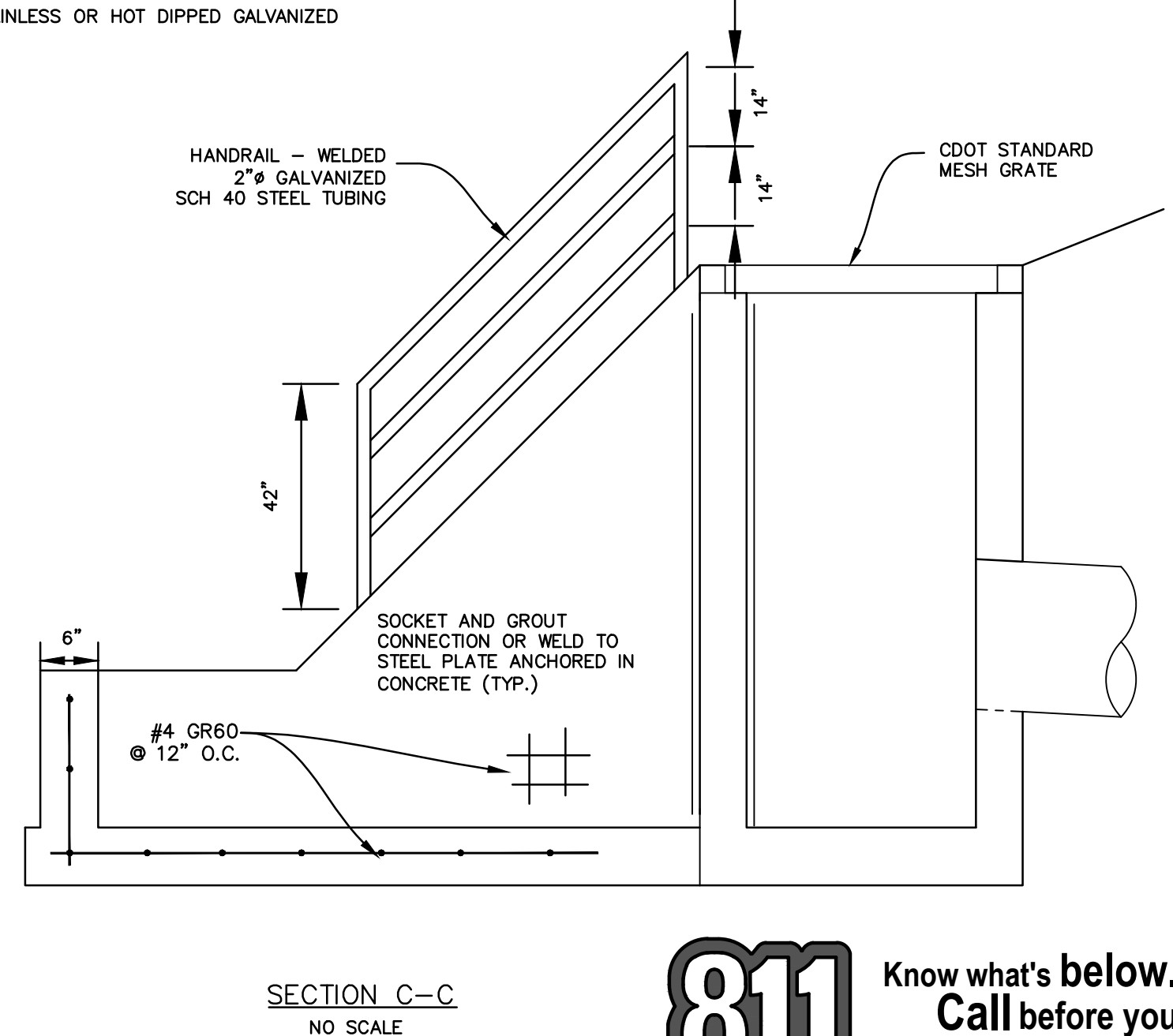
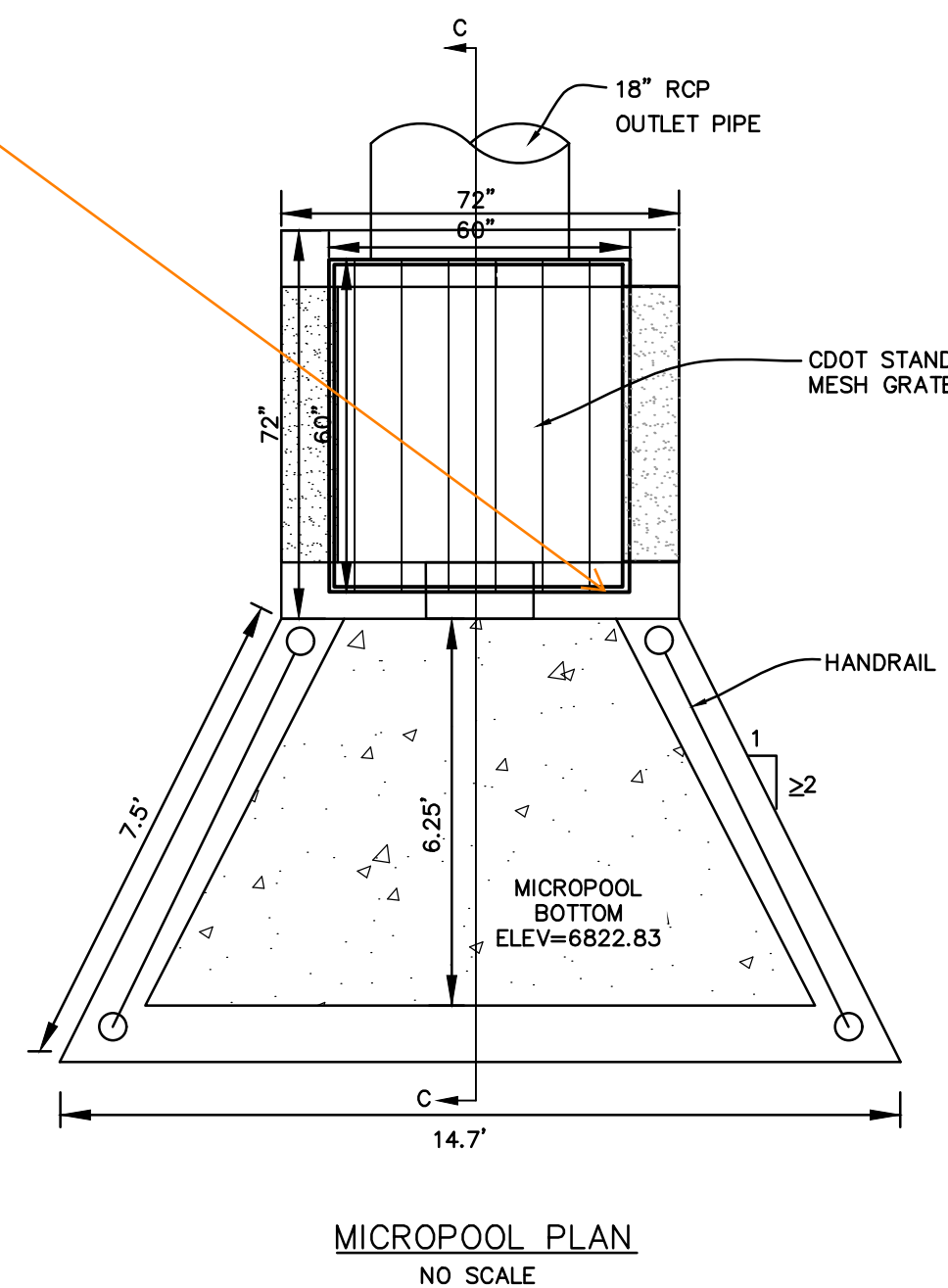
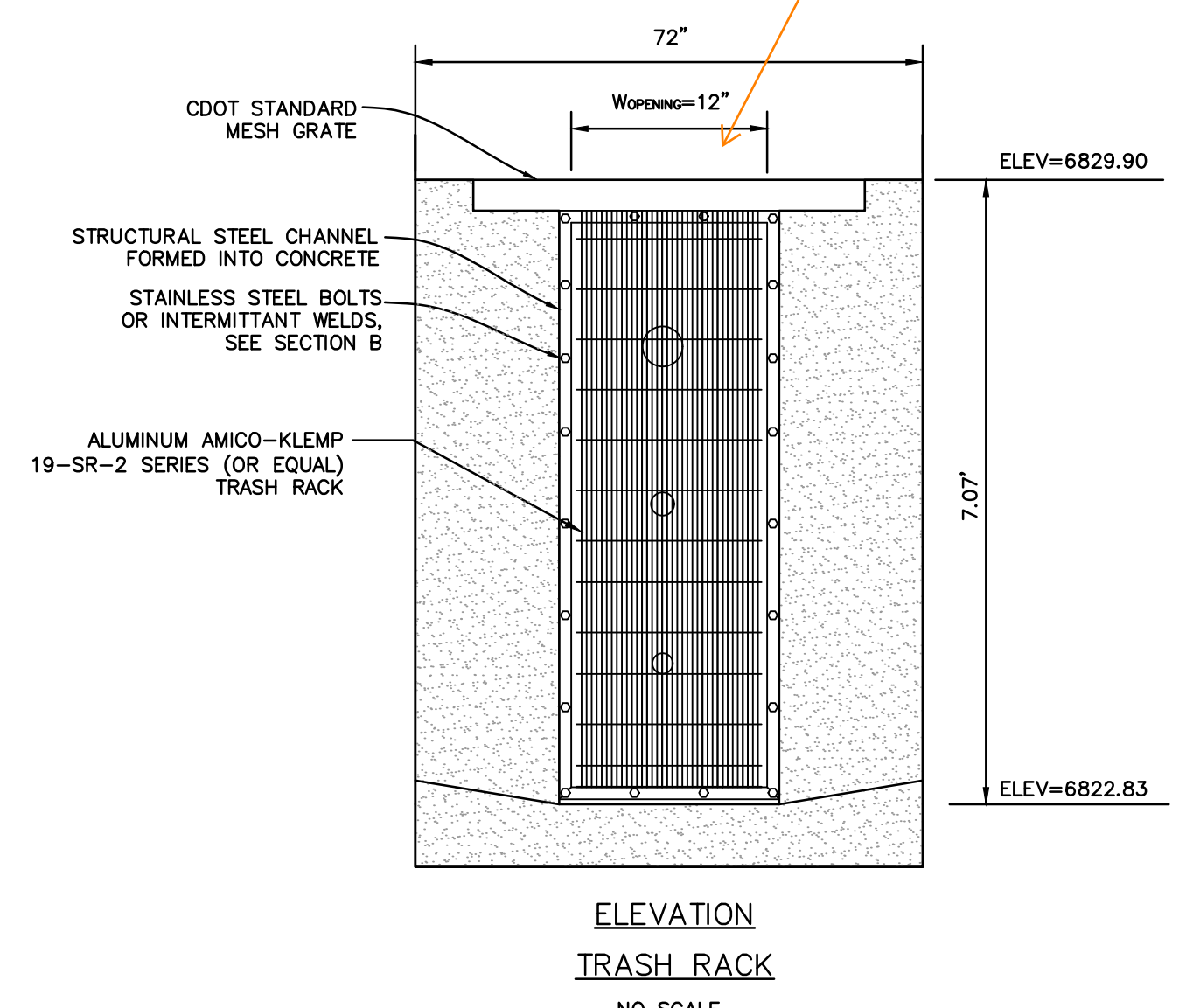
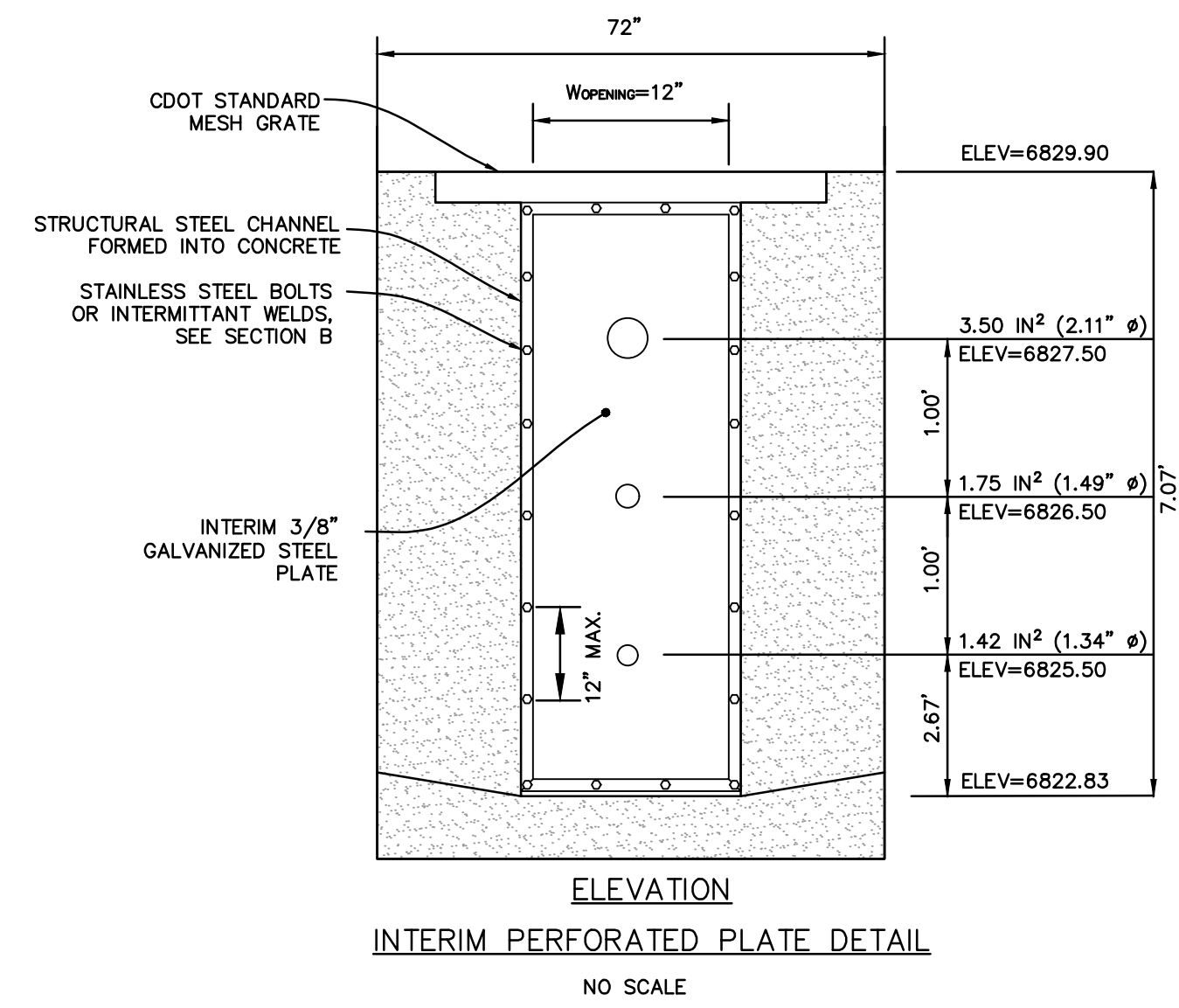
POND OUTLET PROFILE SECTION C-C

PERFORATED PLATE NOTES:

1. THE GASKET SHALL BE MADE OF 1/4" 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.
  2. BOLT PLATE TO CONCRETE @ 12" MAX. ON CENTER. ORIFICE PLATE IS TO BE REMOVABLE.
  3. ALL STEEL SURFACES ARE TO BE COATED WITH ZRC COLD GALVANIZING COMPOUND.
- WQC TRASH RACKS:
1. TRASH RACKS SHALL BE STAINLESS STEEL OR ALUMINUM AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
- GENERAL NOTES:
1. ALL EXTERIOR STEEL SHALL BE EITHER STAINLESS OR HOT DIPPED GALVANIZED



INTERIM OUTLET PLATE TO REMAIN UNTIL FINAL DESIGN FOR FUTURE TRACTS A & B



SECTION C-C



Know what's below. Call before you dig. CALL 3-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

PREPARED BY:



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Engineers + Surveyors  
101 SAWATCH ST. #100  
COLORADO SPGS, COLORADO 80903  
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CLIENT:

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CONTACT: STEVE ROSSOLL

GRADING AND EROSION CONTROL PLANS FOR:  
**THE COMMONS AT FALCON FIELD - FILING NO. 1**  
12445 RIO LANE, AND VACANT LAND  
PEYTON, EL PASO COUNTY, COLORADO

ISSUE	DATE
INITIAL ISSUE	12/13/24
RESUBMITTAL	3/13/26

DESIGNED BY: KGV  
DRAWN BY: CGH  
CHECKED BY: TDM  
FILE NAME: 21604-01PND1

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.

DRAWING SCALE:  
HORIZONTAL: N/A  
VERTICAL: N/A

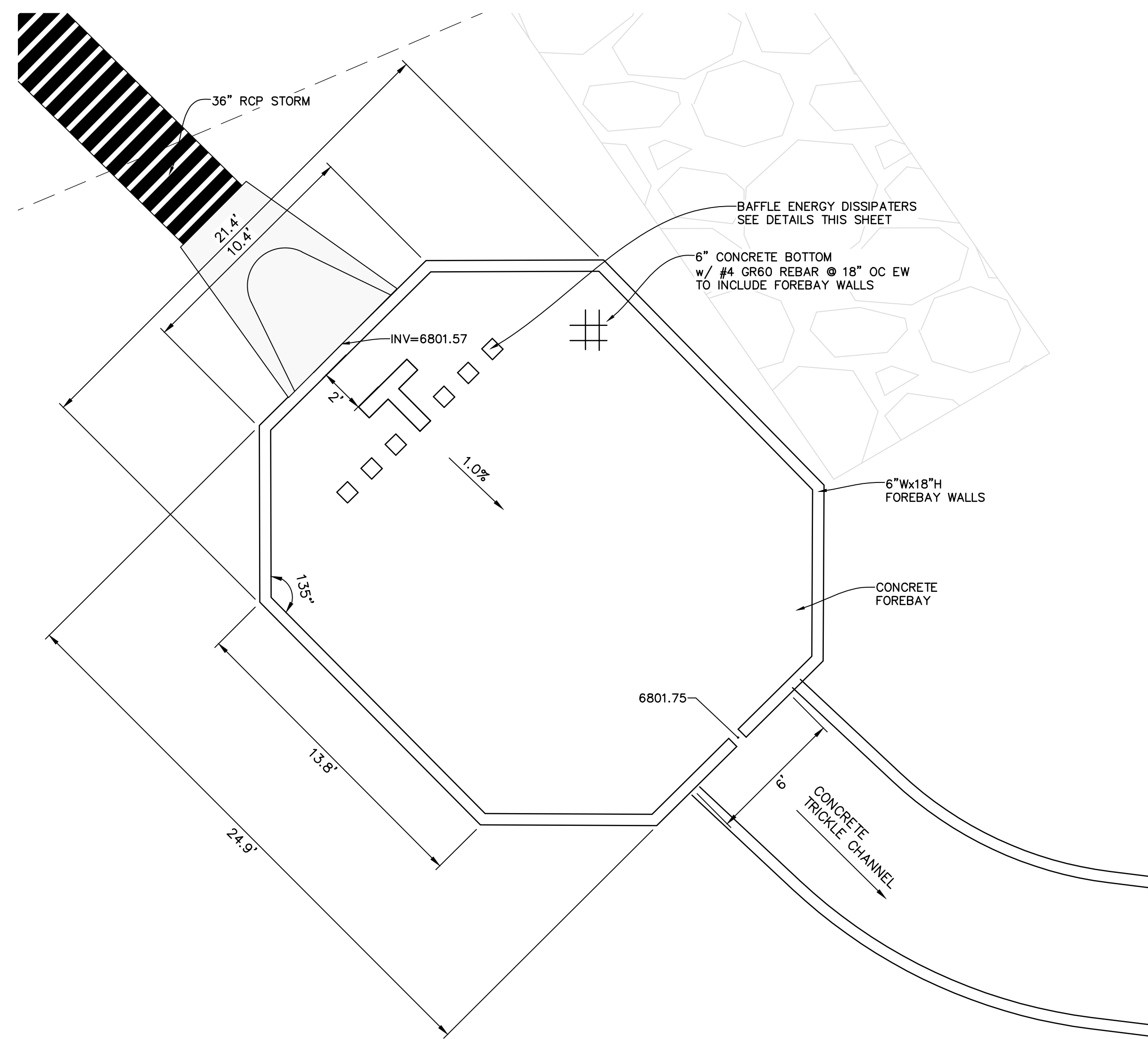
INTERIM POND B OUTLET DETAILS

PROJECT NO. 21604-00CSCV  
DRAWING NO.

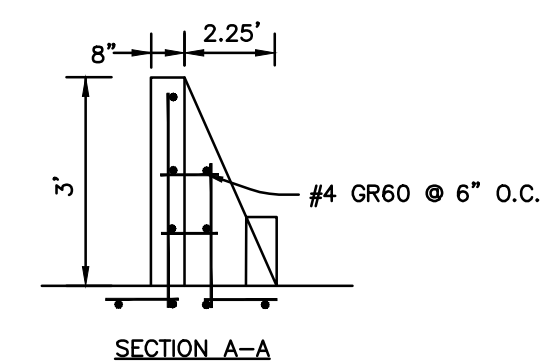
**PD-2**

SHEET: 12 OF 19

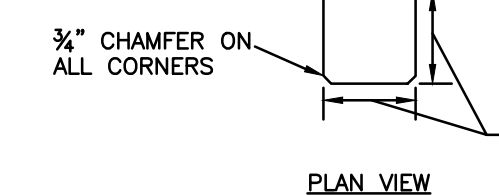
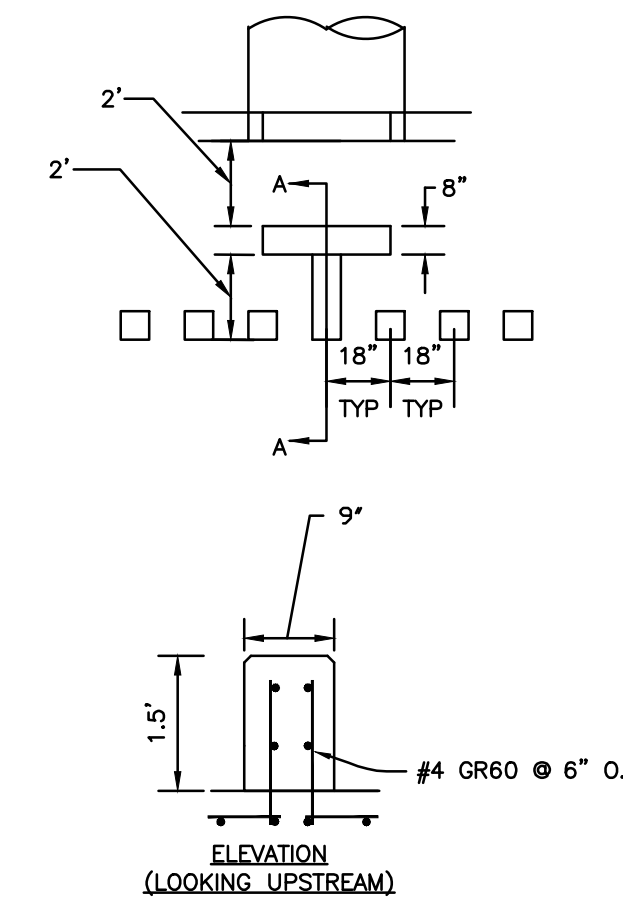
EPC FILE NO.: SF2435



NORTH FOREBAY PLAN VIEW  
SCALE: 1"=4'



FOREBAY BAFFLE ENERGY DISSIPATORS  
NO SCALE



FOREBAY NOTCH  
NO SCALE

NORTH FOREBAY DETAILS

PREPARED BY:



CLIENT:

FALCON FIELD, LLC  
1864 WOODMOOR DR, SUITE 100  
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(719) 476-0800  
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GRADING AND EROSION CONTROL PLANS FOR:  
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DESIGNED BY:	KGV
DRAWN BY:	CGH
CHECKED BY:	KGV
FILE NAME:	21604-01PND1

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.

DRAWING SCALE:  
HORIZONTAL: 1"=4'  
VERTICAL: N/A

POND C  
FOREBAY DETAILS

PROJECT NO. 21604-00CSCV  
DRAWING NO.

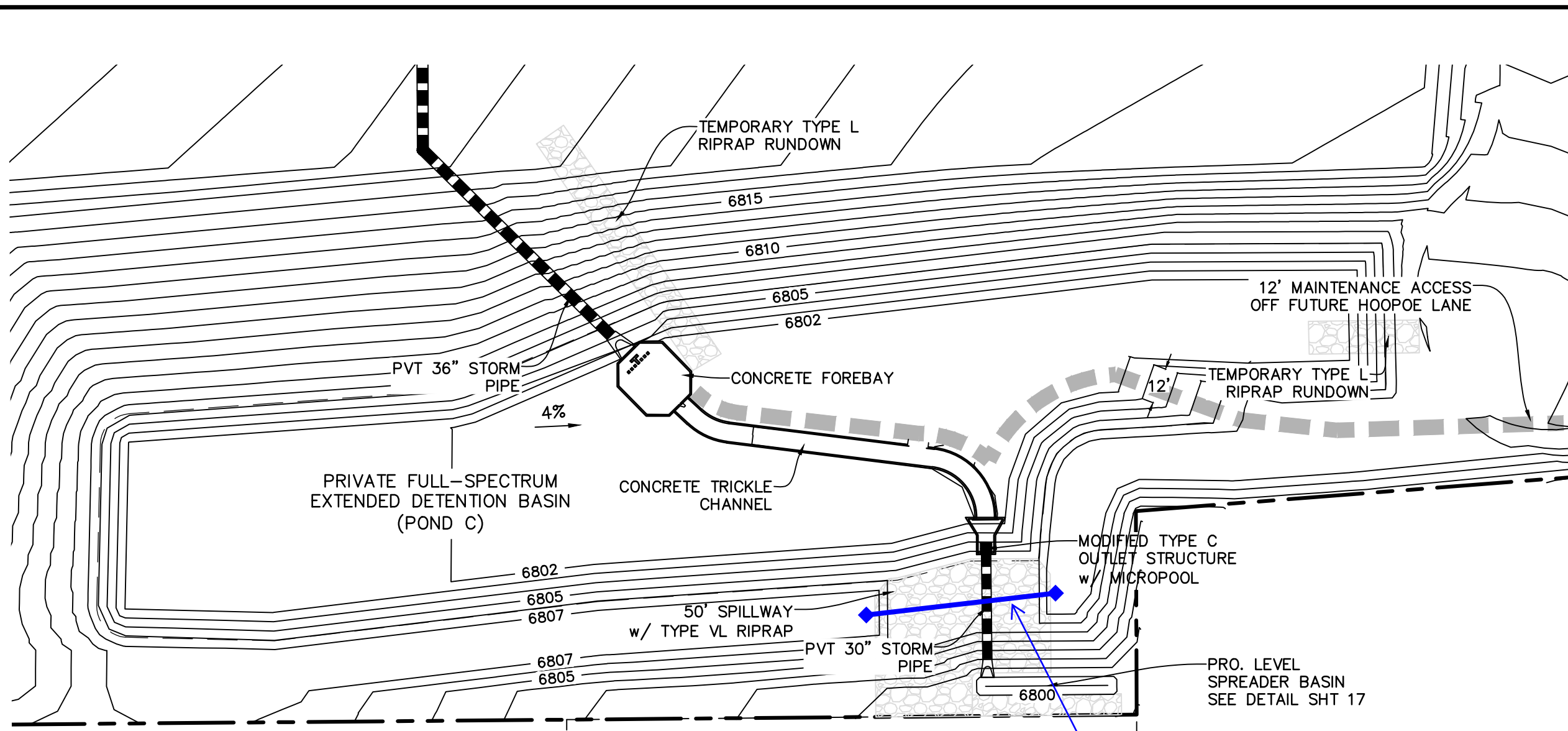
**PD-3**

SHEET: 13 OF 19

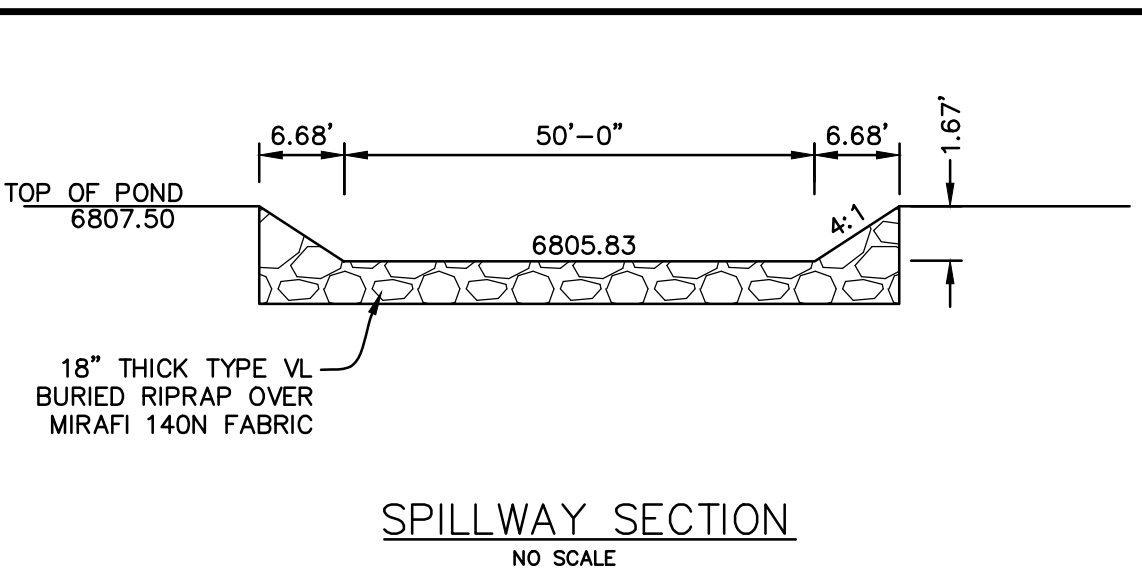


EPC FILE NO.: SF2435

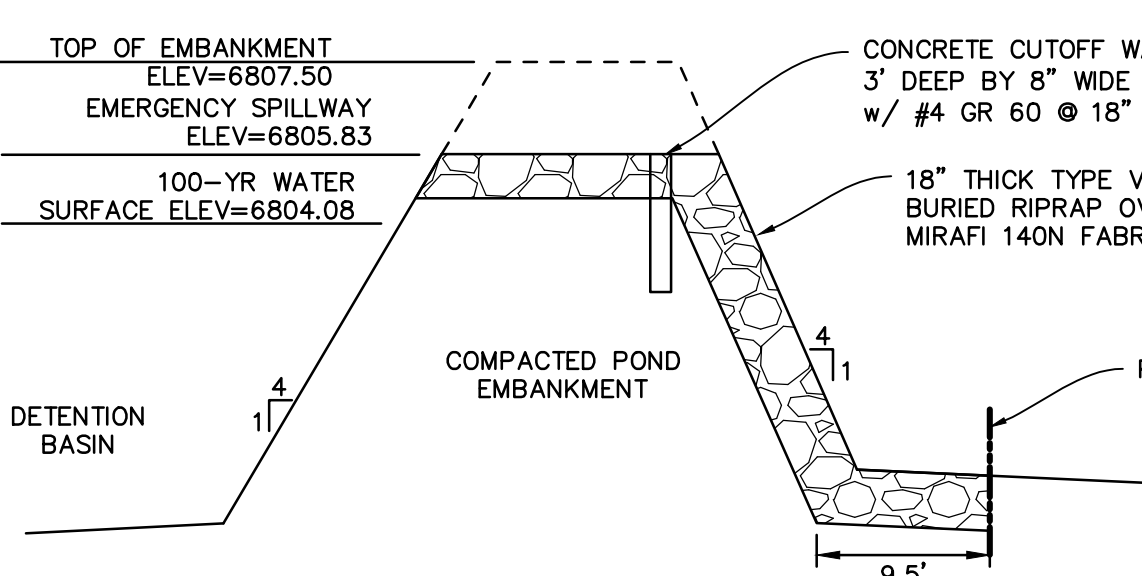
EPC DPW Stormwater may have additional comments on the ponds once the pond calcs have been updated per the drainage report comments.



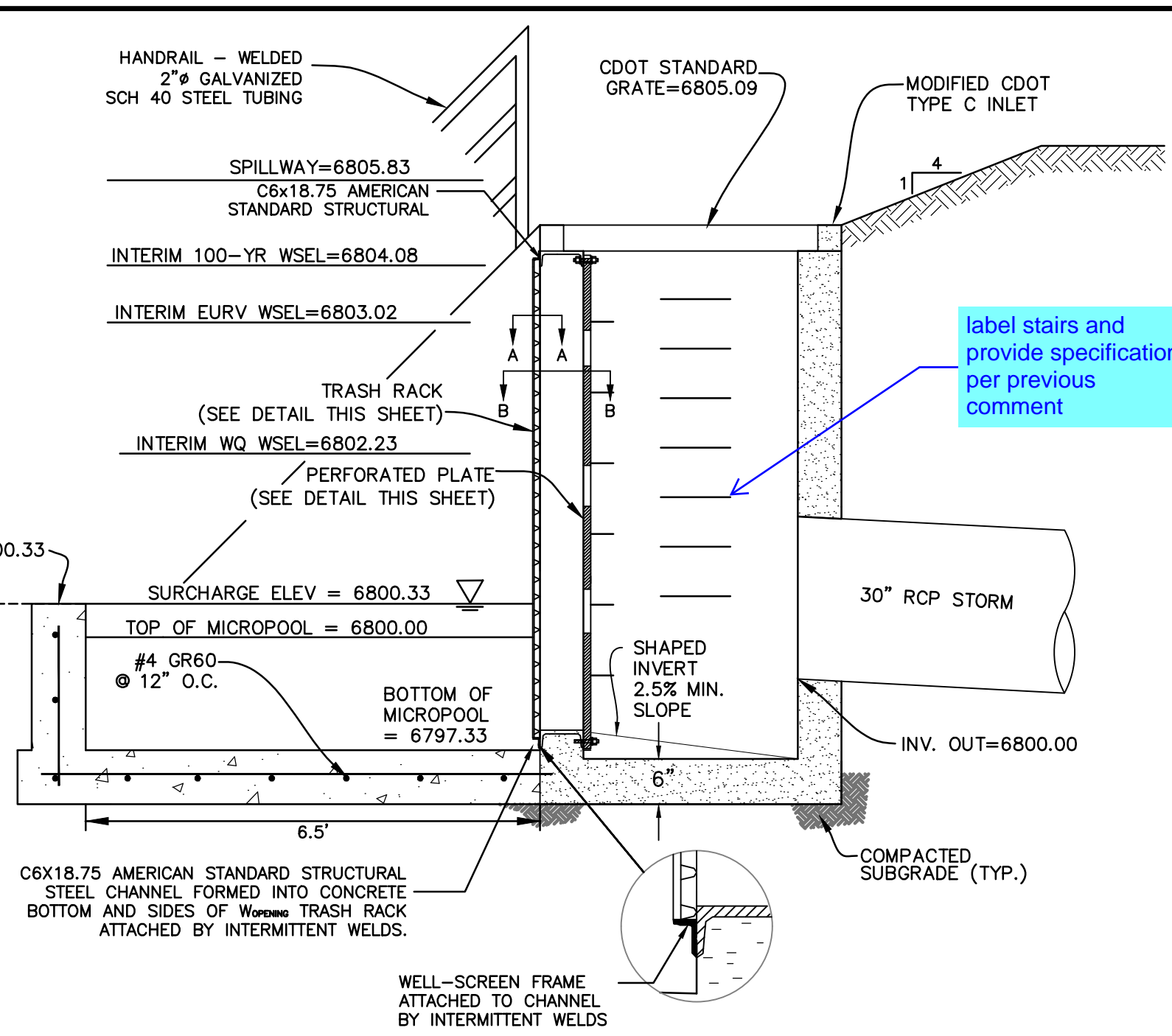
SOUTH POND PLAN VIEW  
SCALE: 1"=40'



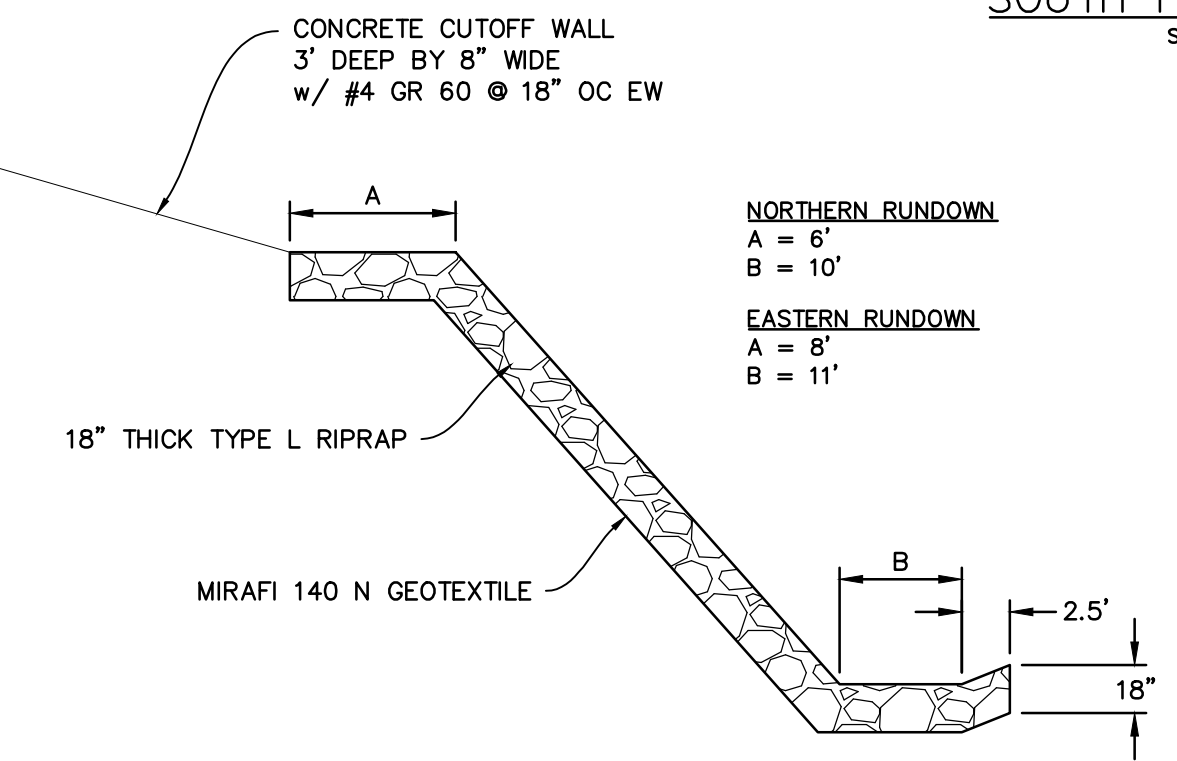
SPILLWAY SECTION  
NO SCALE



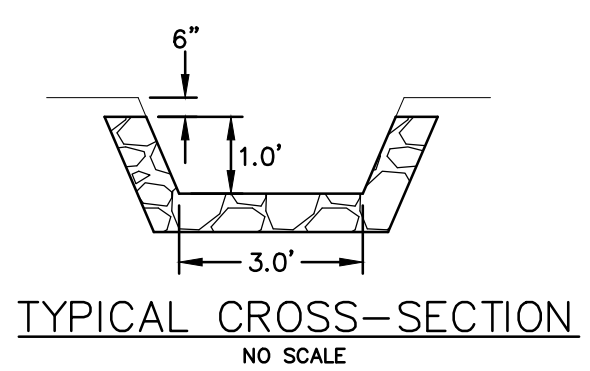
SPILLWAY SECTION  
NO SCALE



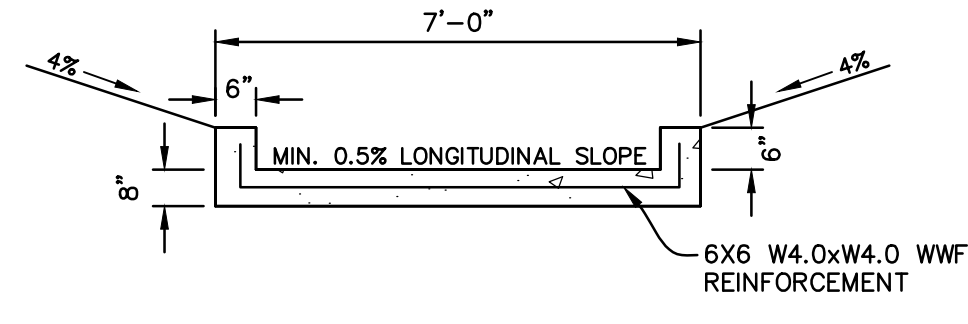
POND OUTLET PROFILE SECTION C-C  
NO SCALE



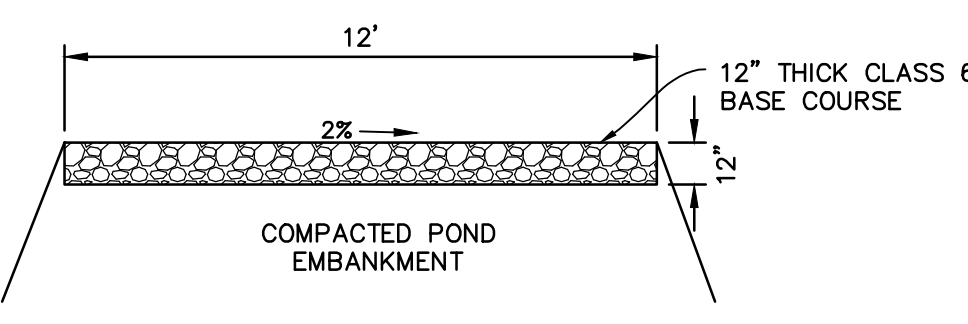
TEMP. RIPRAP RUNDOWN CENTERLINE PROFILE  
NO SCALE



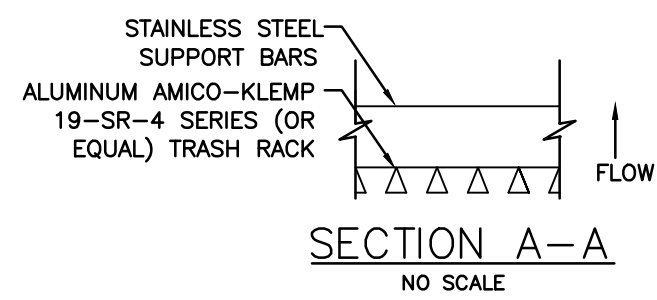
TYPICAL CROSS-SECTION  
NO SCALE



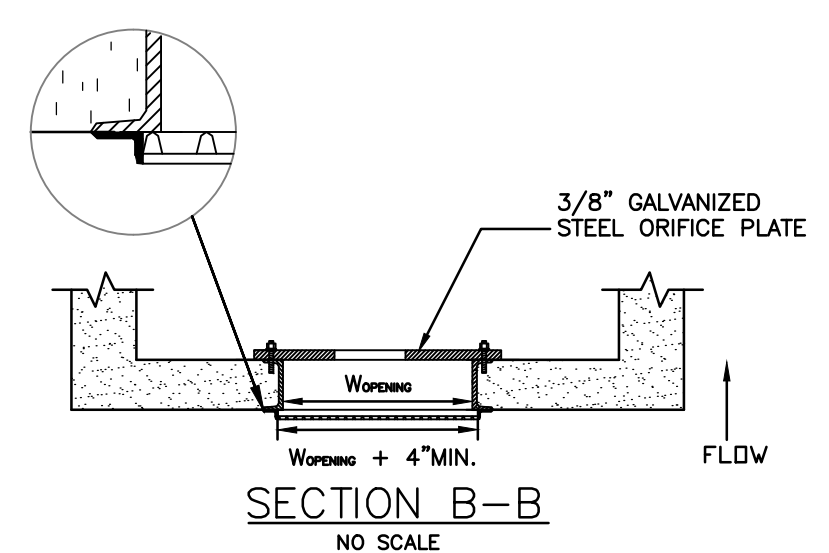
CONCRETE TRICKLE CHANNEL SECTION  
NO SCALE



MAINTENANCE ROAD SECTION  
NO SCALE



SECTION A-A  
NO SCALE

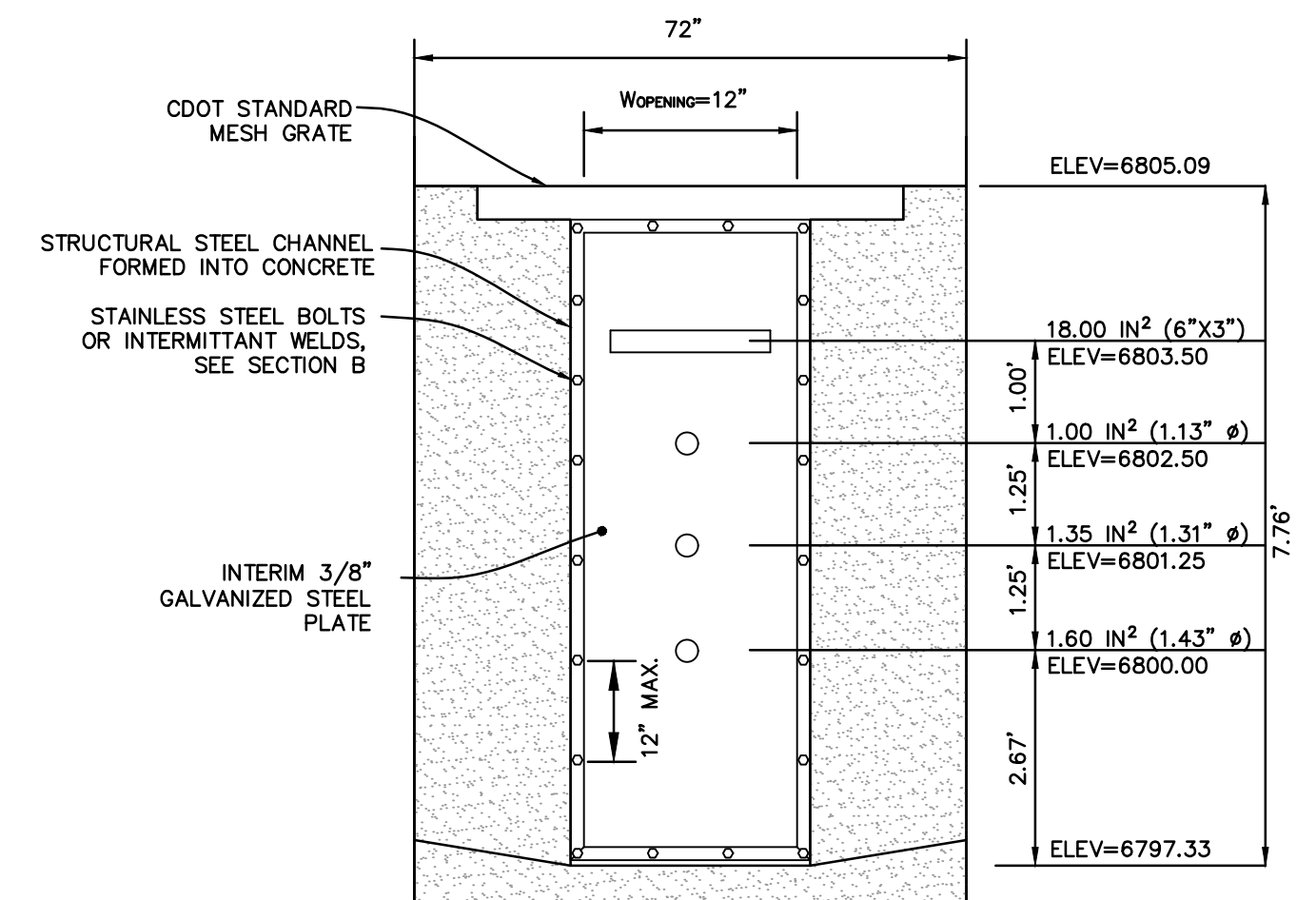


SECTION B-B  
NO SCALE

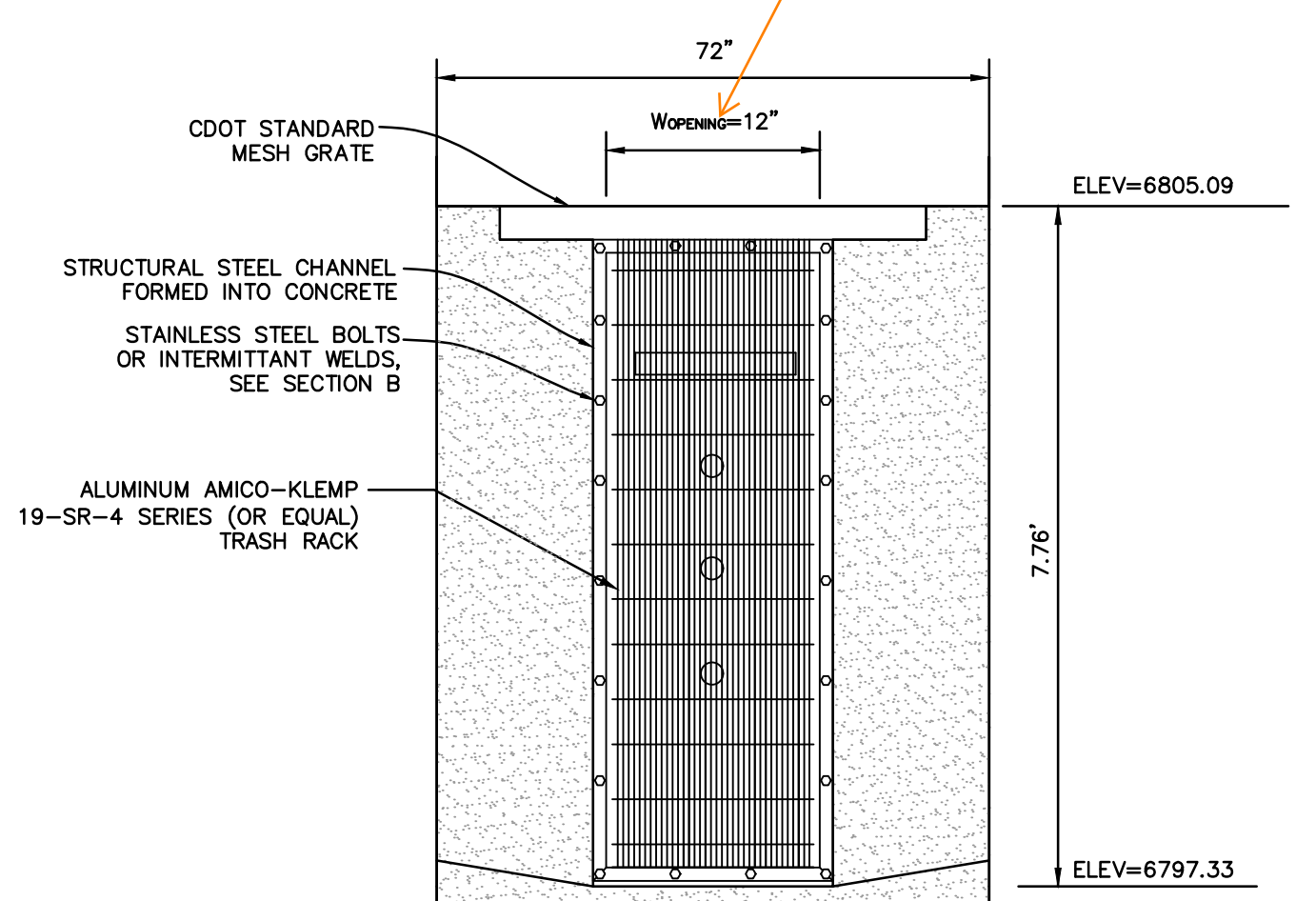
- PERFORATED PLATE NOTES:
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- GENERAL NOTES:
1. ALL EXTERIOR STEEL SHALL BE EITHER STAINLESS OR HOT DIPPED GALVANIZED

INTERIM OUTLET PLATE TO REMAIN UNTIL FINAL DESIGN FOR FUTURE FILING NO. 3

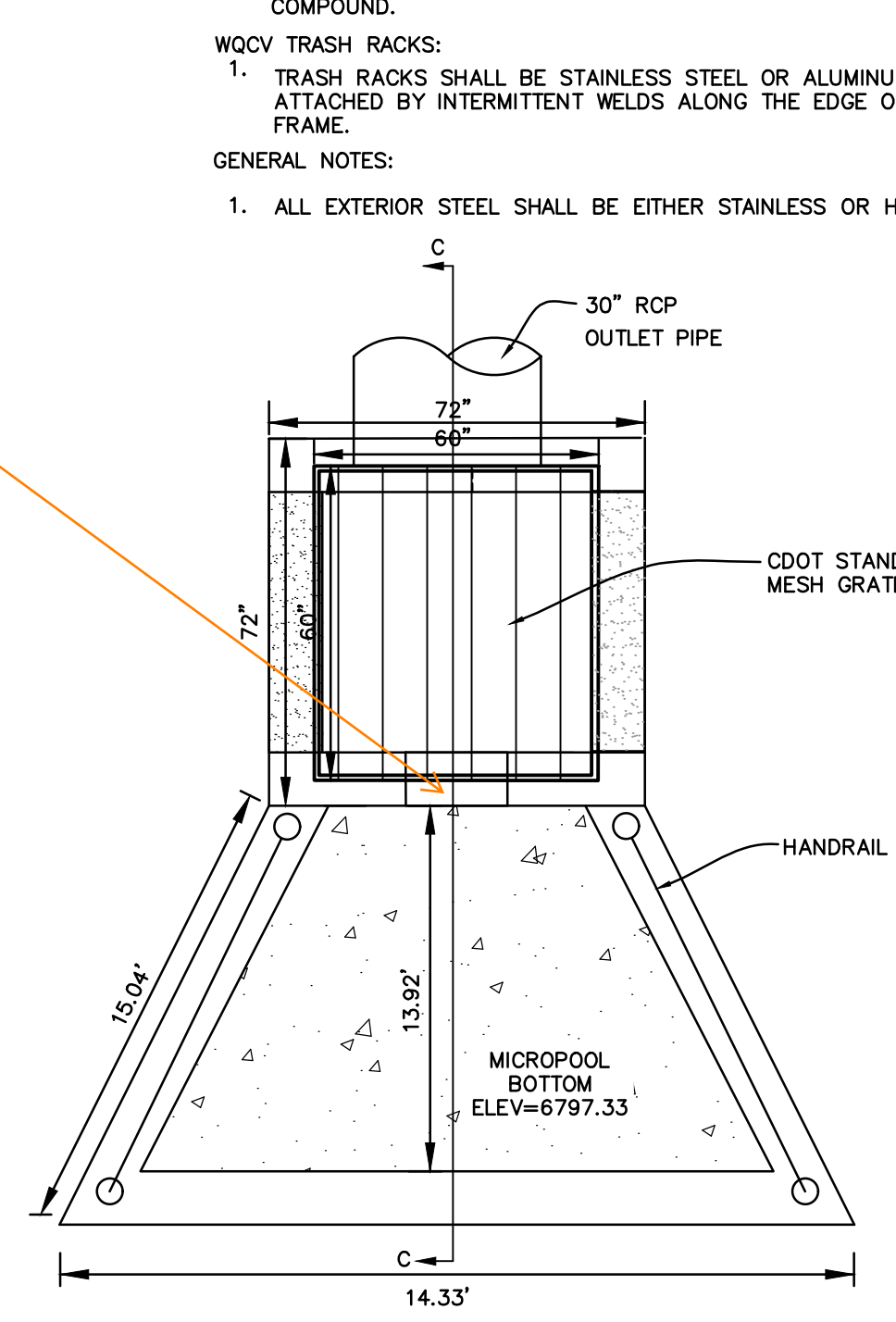
Clarify what will cover this opening, concrete? Steel plate? There shouldn't be an open gap at the top of the outlet structure



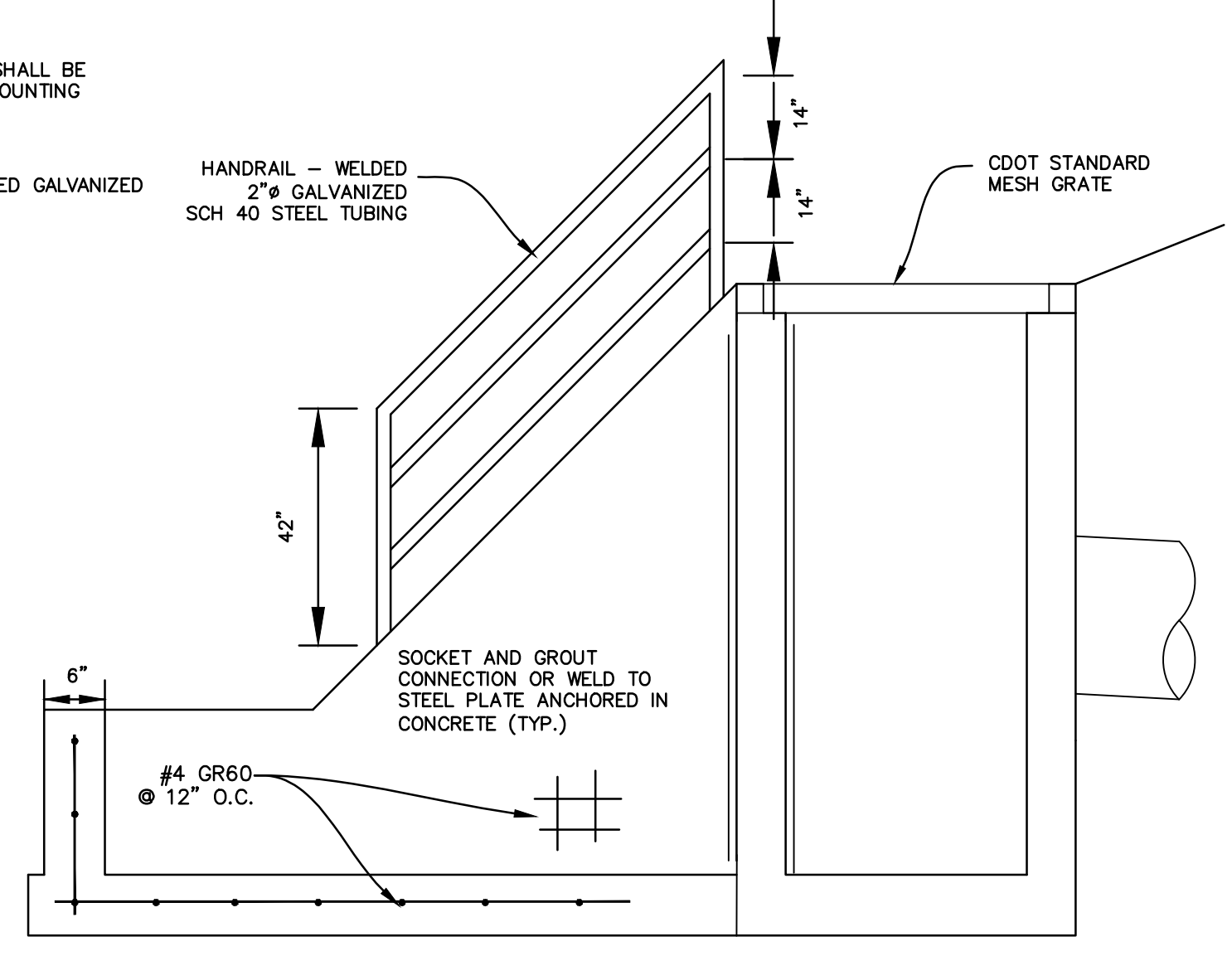
ELEVATION INTERIM PERFORATED PLATE DETAIL  
NO SCALE



ELEVATION TRASH RACK  
NO SCALE



MICROPOOL PLAN  
NO SCALE



SECTION C-C  
NO SCALE

PREPARED BY:  
  
DREXEL, BARRELL & CO.  
Engineers & Surveyors  
101 SAWATCH ST. #100  
COLORADO SPGS, COLORADO 80903  
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GRADING AND EROSION CONTROL PLANS FOR:  
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DRAWN BY: CGH  
CHECKED BY: TDM  
FILE NAME: 21604-01PND1

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.

DRAWING SCALE:  
HORIZONTAL: N/A  
VERTICAL: N/A

INTERIM POND C OUTLET DETAILS

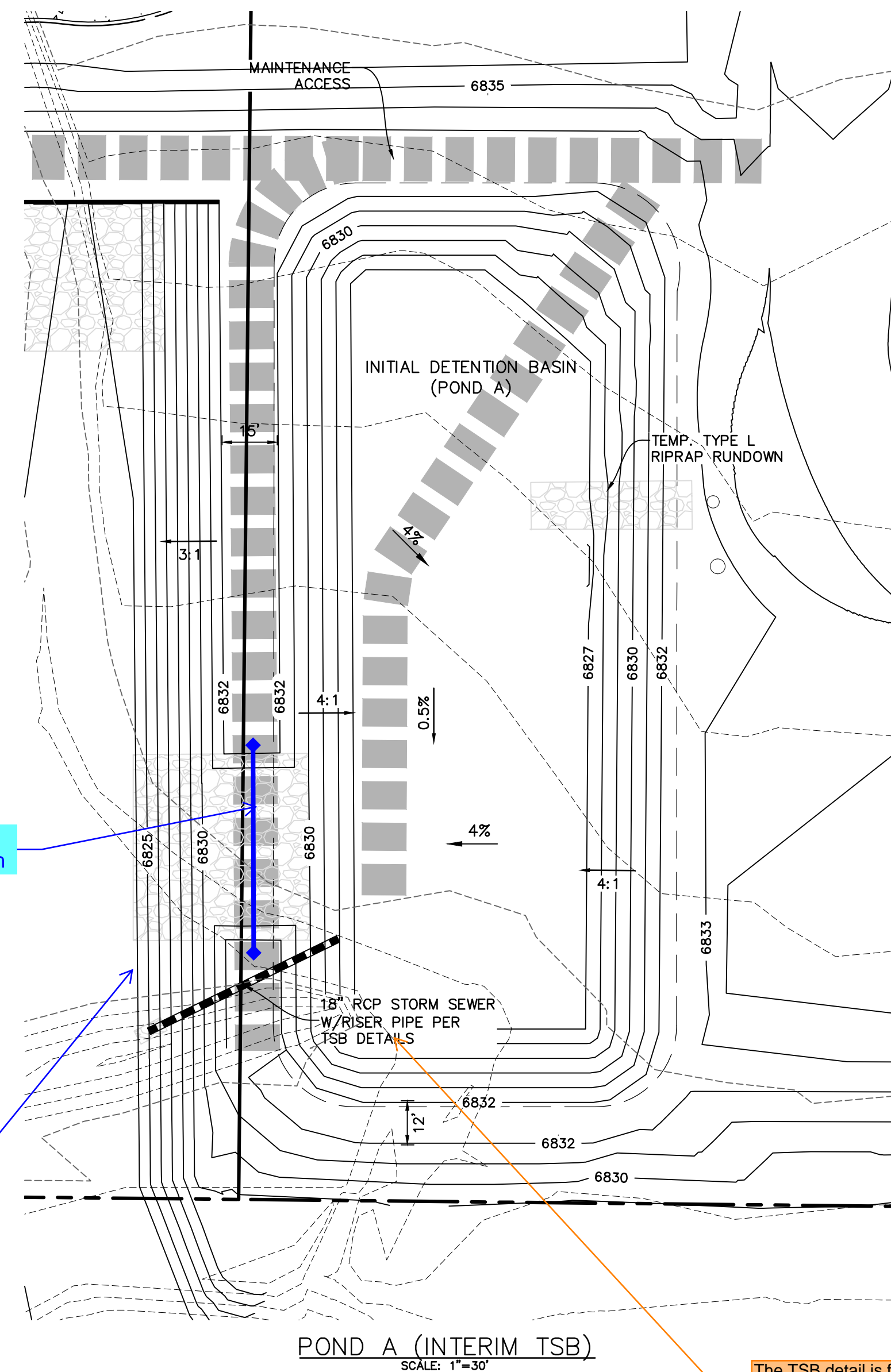
PROJECT NO. 21604-00CSCV  
DRAWING NO.

**PD-4**

SHEET: 14 OF 19



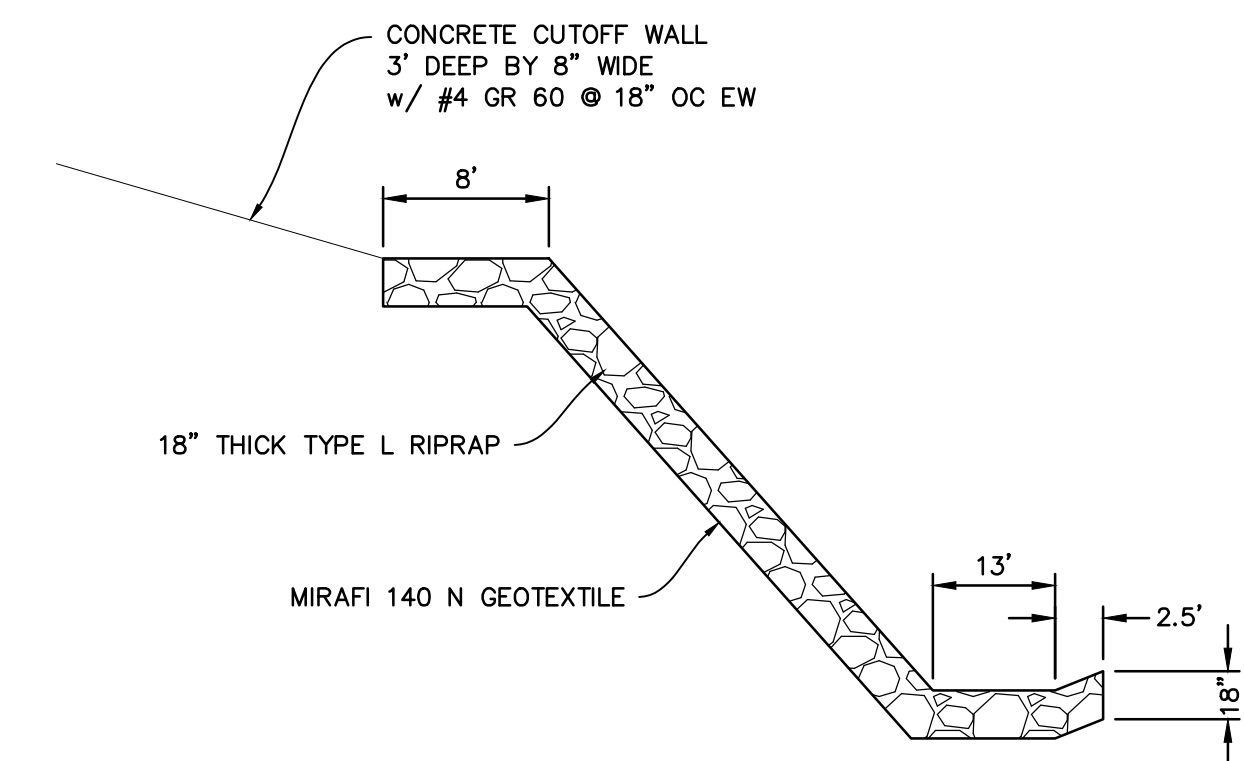
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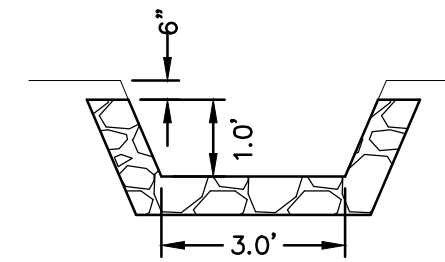
Show cutoff wall location and length

see comments on the CD's regarding protection for the bottom of the channel at spillways

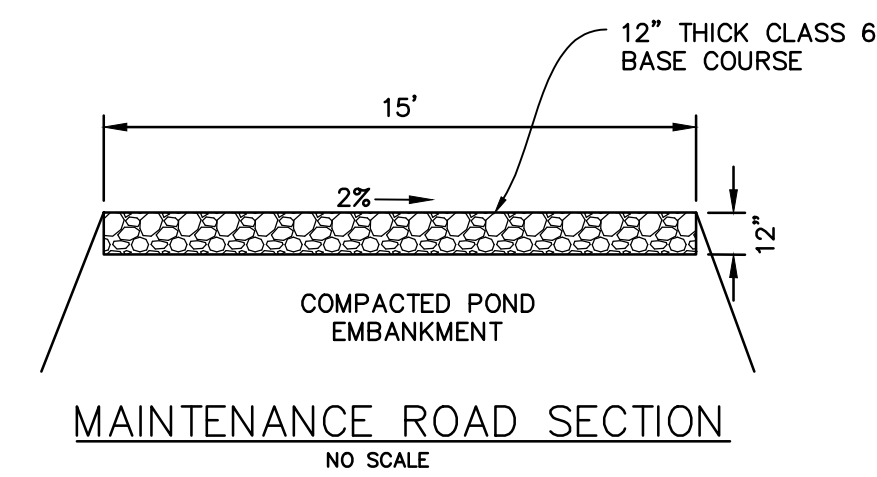
The TSB detail is for a 6" pipe, provide detail for 18" storm sewer and how it ties into the riser



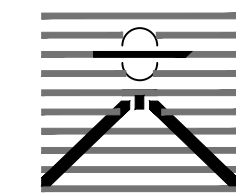
TEMP. RIPRAP RUNDOWN CENTERLINE PROFILE  
NO SCALE



TYPICAL CROSS-SECTION  
NO SCALE



PREPARED BY:



DREXEL, BARRELL & CO.  
Engineers • Surveyors  
101 SAWWATCH ST. #100  
COLORADO SPGS, COLORADO 80903  
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DESIGNED BY:	KGV
DRAWN BY:	CGH
CHECKED BY:	TDM
FILE NAME:	21604-01PND2

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF  
DREXEL, BARRELL & CO.

DRAWING SCALE:  
HORIZONTAL: N/A  
VERTICAL: N/A

POND A  
(INTERIM TSB)

PROJECT NO. 21604-00CSCV  
DRAWING NO.

**PD-5**

SHEET: 15 OF 19

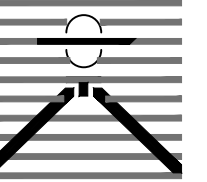


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BEFORE YOU DIG, GRADE, OR  
EXCAVATE FOR THE MARKING OF  
UNDERGROUND MEMBER UTILITIES.

EPC FILE NO.: SF2435



PREPARED BY:



DREXEL, BARRELL & CO.
Engineers-Surveyors
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COLORADO SPGS, COLORADO 80903
CONTACT: TIM D. MCCONNELL, P.E.
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GRADING AND EROSION CONTROL PLANS FOR:
THE COMMONS AT FALCON
FIELD - FILING NO. 1
12445 RIO LANE, AND VACANT LAND
PEYTON, EL PASO COUNTY, COLORADO

Table with 2 columns: ISSUE, DATE. Rows: INITIAL ISSUE 12/13/24, RESUBMITTAL 3/13/26

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DRAWING SCALE:
HORIZONTAL: N/A
VERTICAL: N/A

EROSION CONTROL DETAILS

PROJECT NO. 21604-00CSCV
DRAWING NO.

DT2

SHEET 17 OF 19

SC-6 Inlet Protection (IP)

General Inlet Protection Installation Notes. 1. SEE PLAN VIEW FOR... 2. INLET PROTECTION SHALL BE INSTALLED... 3. MANY JURISDICTIONS HAVE BMP DETAILS... INLET PROTECTION MAINTENANCE NOTES...

Inlet Protection (IP) SC-6

CIP-1. CULVERT INLET PROTECTION. SEE PLAN VIEW FOR... SEE ROCK SOCK DESIGN DETAIL... CULVERT INLET PROTECTION MAINTENANCE NOTES...

SC-6 Inlet Protection (IP)

IP-5. OVEREXCAVATION INLET PROTECTION. SEE PLAN VIEW FOR... SEE ROCK SOCK DESIGN DETAIL... OVEREXCAVATION INLET PROTECTION MAINTENANCE NOTES...

Inlet Protection (IP) SC-6

IP-3. ROCK SOCK SUMP/AREA INLET PROTECTION. SEE ROCK SOCK DESIGN DETAIL... ROCK SOCK SUMP/AREA INLET PROTECTION INSTALLATION NOTES...

SC-6 Inlet Protection (IP)

IP-1. BLOCK AND ROCK SOCK SUMP OR ON GRADE INLET PROTECTION. SEE ROCK SOCK DESIGN DETAIL... BLOCK AND CURB SOCK INLET PROTECTION INSTALLATION NOTES...

EC-12 Check Dams (CD)

CHECK DAM INSTALLATION NOTES. 1. SEE PLAN VIEW FOR... CHECK DAM TYPE (CHECK DAM OR REINFORCED CHECK DAM)... CHECK DAM MAINTENANCE NOTES...

SM-4 Vehicle Tracking Control (VTC)

STABILIZED CONSTRUCTION ENTRANCE/EXIT INSTALLATION NOTES. 1. SEE PLAN VIEW FOR... STABILIZED CONSTRUCTION ENTRANCE/EXIT MAINTENANCE NOTES...

SM-4 Vehicle Tracking Control (VTC)

STABILIZED CONSTRUCTION ENTRANCE/EXIT INSTALLATION NOTES. 1. SEE PLAN VIEW FOR... STABILIZED CONSTRUCTION ENTRANCE/EXIT MAINTENANCE NOTES...

SM-4 Vehicle Tracking Control (VTC)

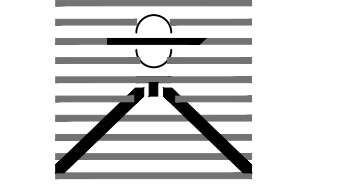
VTC-1. AGGREGATE VEHICLE TRACKING CONTROL. SEE PLAN VIEW FOR... AGGREGATE VEHICLE TRACKING CONTROL INSTALLATION NOTES...



Know what's below. Call before you dig. CALL 3-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

EPC FILE NO.: SF2435

PREPARED BY:



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GRADING AND EROSION CONTROL PLANS FOR:
THE COMMONS AT FALCON
FIELD - FILING NO. 1
12445 RIO LANE, AND VACANT LAND
PEYTON, EL PASO COUNTY, COLORADO

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VERTICAL: N/A

EROSION CONTROL DETAILS

PROJECT NO. 21604-00CSCV
DRAWING NO.

DT3

SHEET: 18 OF 19



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EPC FILE NO.: SF2435

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DW-2. DEWATERING SUMP FOR SUBMERSED PUMP
DW-3. SUMP DISCHARGE SETTLING BASIN
DW-4. DEWATERING FILTER BAG

Sediment Basin (SB) SC-7
TABLE SB-1. SIZING INFORMATION FOR STANDARD SEDIMENT BASIN
TABLE SB-2. SIZING INFORMATION FOR NONSTANDARD SEDIMENT BASIN

Dewatering Operations (DW) SM-9
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DEWATERING MAINTENANCE NOTES

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DS-1. COMPACTED UNLINED EXCAVATED SWALE
DS-2. COMPACTED UNLINED SWALE FORMED BY CUT AND FILL
DS-3. ECB LINED SWALE (CUT AND FILL OR BERM)

Rough Cut Street Control (RCS) EC-9
ROUGH CUT STREET CONTROL INSTALLATION NOTES
ROUGH CUT STREET CONTROL INSPECTION AND MAINTENANCE NOTES

Sediment Basin (SB) SC-7
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SECTION A

Sediment Basin (SB) SC-7
SEDIMENT BASIN MAINTENANCE NOTES
DETAILED NOTES FOR SEDIMENT BASIN OPERATION

Sediment Basin (SB) SC-7
SEDIMENT BASIN MAINTENANCE NOTES
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Rough Cut Street Control (RCS) EC-9
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SECTION A
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TABLE RCS-1
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Rough Cut Street Control (RCS) EC-9
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Sediment Basin (SB) SC-7
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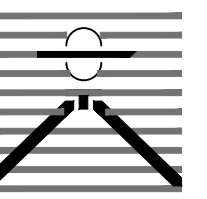
Sediment Basin (SB) SC-7
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Sediment Basin (SB) SC-7
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Rough Cut Street Control (RCS) EC-9
RCS-2 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3

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HORIZONTAL: N/A
VERTICAL: N/A

EROSION CONTROL DETAILS

PROJECT NO. 21604-00CSCV
DRAWING NO.

DT4

SHEET: 19 OF 19

TEMPORARY SEEDING NOTES

- 1. SOIL IS TO BE CONDITIONED FOR PLANT GROWTH BY APPLYING TOPSOIL, FERTILIZER OR LIME.
2. SOIL IS TO BE TILLED IMMEDIATELY PRIOR TO APPLYING SEEDS. COMPACT SOILS ESPECIALLY NEED TO BE LOOSENED.
3. SEEDBED DEPTH IS TO BE 4 INCHES FOR SLOPES FLATTER THAN 2:1 AND 1 INCH FOR SLOPES STEEPER THAN 2:1.
4. ANNUAL GRASSES LISTED IN THE TABLE BELOW ARE TO BE USED FOR TEMPORARY SEEDING. SEED MIXES ARE NOT TO CONTAIN ANY NOXIOUS WEED SEEDS INCLUDING RUSSIAN OR CANADIAN THISTLE, KNAPWEED, PURPLE LOOSESTRIPE, EUROPEAN BINDWEED, JOHNSON GRASS, AND LEAFY SPURGE.

MULCHING NOTES

- INSTALLATION REQUIREMENTS
1. MATERIAL USED FOR MULCH CAN BE CERTIFIED CLEAN, WEED-AND SEED-FREE LONG STEMMED FIELD OR MARSH HAY, OR STRAW OF OATS, BARLEY, WHEAT, RYE, OR TRITICALE CERTIFIED BY THE COLORADO DEPARTMENT OF AGRICULTURE WEED FREE FORAGE CERTIFICATION PROGRAM.
2. HYDRAULIC MULCHING MATERIAL SHALL CONSIST OF VIRGIN WOOD FIBER MANUFACTURED FROM CLEAN WHOLE WOOD CHIPS. WOOD CHIPS CANNOT CONTAIN ANY GROWTH OR GERMINATION INHIBITORS OR BE PRODUCED FROM RECYCLED MATERIAL.
3. MULCH IS TO BE APPLIED EVENLY AT A RATE OF 2 TONS PER ACRE.
4. MULCH IS TO BE ANCHORED EITHER BY CRIMPING (TUCKING MULCH FIBERS 4 INCHES INTO THE SOIL), USING NETTING (USED ON SMALL AREAS WITH STEEP SLOPES) OR WITH A TACKIFIER.
5. HYDRAULIC MULCHING AND TACKIFIERS ARE NOT TO BE USED IN THE PRESENCE OF FREE SURFACE WATER.

MAINTENANCE REQUIREMENTS

- 1. REGULAR INSPECTIONS ARE TO BE MADE OF ALL MULCHED AREAS.
2. MULCH IS TO BE REPLACED IMMEDIATELY IN THOSE AREAS IT HAS BEEN REMOVED, AND IF NECESSARY THE AREA SHOULD BE RESEDED.

SEEDING PLAN

NATIVE SEEDING MIX

SOIL PREPARATION, FERTILIZER, SEEDING, MULCHING AND MULCH TACKIFIER WILL BE REQUIRED FOR DISTURBED AREAS EXCLUDING THE RIGHT-OF-WAYS.

THE FOLLOWING TYPES AND RATES SHALL BE USED:

Table with 3 columns: COMMON NAME, SCIENTIFIC NAME, LBS PLS/ACRE. Lists various native grasses and their rates.

Table with 2 columns: FERTILIZER, RATE PER ACRE. Lists Nitrogen (27) and Phosphorus (69).

SEEDING APPLICATION: DRILL SEED 0.25"-0.5" INTO TOPSOIL. AREA NOT ACCESSIBLE TO A DRILL SEEDER AND SLOPES STEEPER THAN 2:1 SHALL BE HAND BROADCAST AT DOUBLE THE ABOVE SEED RATE AND RAKED AT 1/4 TO 1/2 INTO THE TOPSOIL.

MULCHING APPLICATION: 1 1/2 TONS CERTIFIED WEED FREE NATIVE HAY PER ACRE MECHANICALLY CRIMED IN TOPSOIL IN COMBINATION WITH AN ORGANIC MULCH TACKIFIER.

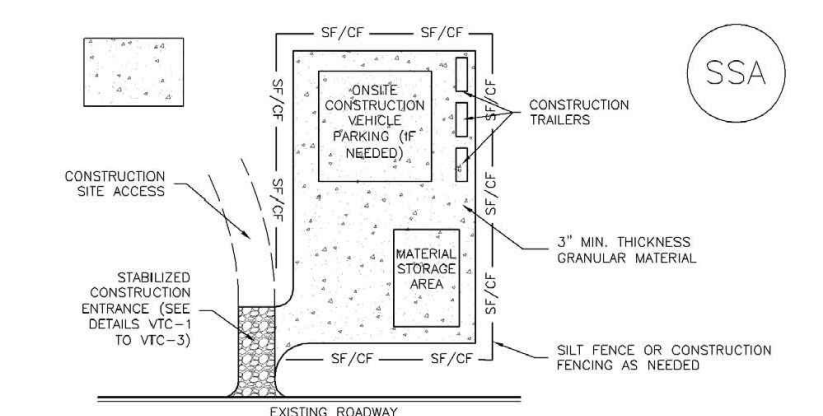


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EPC FILE NO.: SF2435

Stabilized Staging Area (SSA)

SM-6



SSA-1 STABILIZED STAGING AREA
STABILIZED STAGING AREA INSTALLATION NOTES
1. SEE PLAN VIEW FOR LOCATION OF STAGING AREAS.
2. STABILIZED STAGING AREA SHOULD BE APPROPRIATE FOR THE NEEDS OF THE SITE.
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. #703A ARSHTD #3 COURSE AGGREGATE OR #1 (MANS) 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.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. ROCK SHALL BE REPLACED OR RECONSTRUCTED AS NECESSARY IF RUTTING OCCURS OR UNDERLYING SUBSTRATE BECOMES EXPOSED.

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Stabilized Staging Area (SSA)

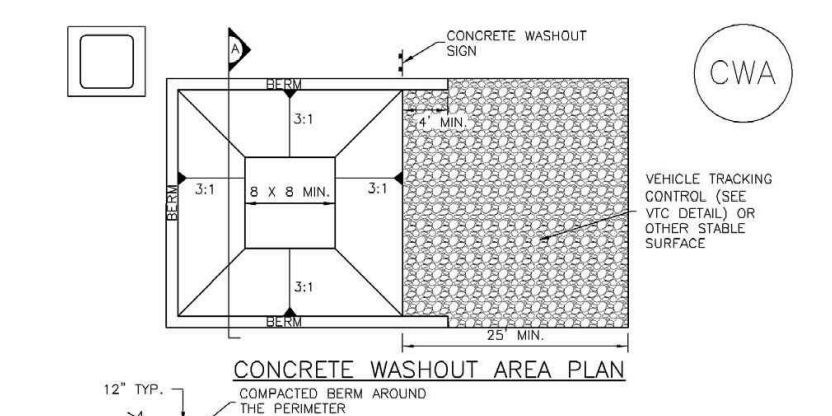
SM-6

STABILIZED STAGING AREA MAINTENANCE NOTES
3. 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 JURISDICTIONS PROHIBIT THE USE OF RECYCLED CONCRETES AS GRANULAR MATERIAL FOR STABILIZED STAGING AREAS DUE TO DIFFICULTIES WITH RE-ESTABLISHMENT OF VEGETATION IN AREAS WHERE RECYCLED CONCRETES WERE PLACED.
NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM USFC STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.
(DETAILS ADAPTED FROM SMOGAS COUNTY, COLORADO, NOT AVAILABLE IN AUSTRIAN)

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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.
3. THE CWA MUST BE INSTALLED WITH AN IMPERMEABLE LINER (14 MIL MIN. THICKNESS) OR SURFACE STABILIZATION USING PREPARED CONCRETE WASHOUT DEVICES ON A UNLINED AREAS.
4. THE 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 1' DEEP.
5. BERMS 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 ENLARGED AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CWA TO OPERATORS OF TRUCKS AND PUMP TRUCKS.
8. USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.

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Concrete Washout Area (CWA)

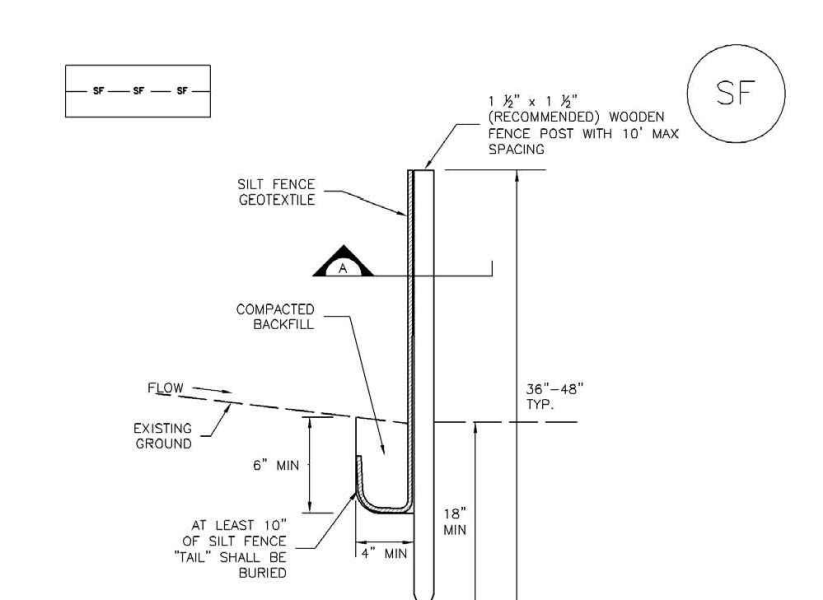
MM-1

CWA MAINTENANCE NOTES
1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION.
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.
NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM USFC STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

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

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 (2-5 FT) FROM THE TOE OF THE SLOPE TO ALLOW ROOM FOR PONDING AND SEEPAGE.
2. A UNIFORM 8" 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 "RAMMING JACK" OR BY WHEEL ROLLING. COMPACTOR SHALL BE SURE THAT SILT FENCE ANCHORS 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 SAG 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 "U-HOOK". THE "U-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.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION.
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 4".
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, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.
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Silt Fence (SF)

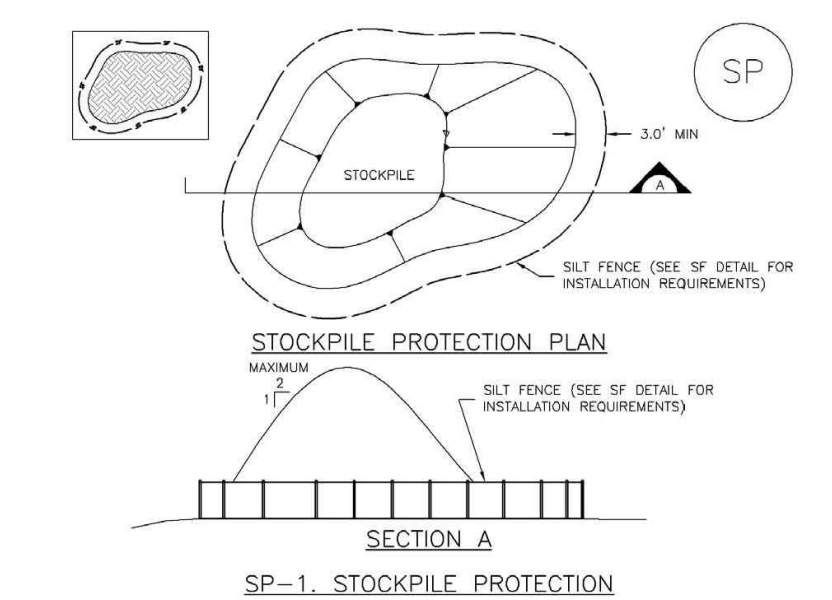
SC-1

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7. WHEN SILT FENCE IS REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.
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November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SF-4

Stockpile Management (SP)

MM-2



STOCKPILE PROTECTION PLAN
SECTION A
SP-1 STOCKPILE PROTECTION
STOCKPILE PROTECTION INSTALLATION NOTES
1. SEE PLAN VIEW FOR LOCATION OF STOCKPILES.
2. INSTALL PERIMETER CONTROLS IN ACCORDANCE WITH THEIR RESPECTIVE DESIGN DETAILS. SILT FENCE IS SHOWN IN THIS STOCKPILE PROTECTION DETAILS; HOWEVER, OTHER TYPES OF PERIMETER CONTROLS INCLUDING SEGMENT CONTROL, LOSS OF ROCK SOCKS MAY BE USED IN SOME CIRCUMSTANCES. CONSIDERATIONS FOR DETERMINING THE APPROPRIATE TYPE OF PERIMETER CONTROL FOR A STOCKPILE INCLUDE WHETHER THE STOCKPILE IS LOCATED ON A TRENCH OR AN ELEVATED SURFACE, THE RELATIVE RESULTS OF THE PERIMETER CONTROL, AND STOCKPILE. THE RESULT OF THE PERIMETER CONTROL, TO CONTAIN THE STOCKPILE WITHOUT FAILING IN THE EVENT THAT MATERIAL FROM THE STOCKPILE SLIPS OR SLURPS AGAINST THE PERIMETER, AND OTHER FACTORS.
3. STABILIZE THE STOCKPILE SURFACE WITH SURFACE MOULDING, TEMPORARY SEEDING AND MULCHING. EROSION CONTROL, BLANKETS, OR SOIL BINDERS, SOIL STOCKPILED FOR AN EXTENDED PERIOD (TYPICALLY FOR MORE THAN 60 DAYS) SHOULD BE SEEDED AND MULCHED WITH A TEMPORARY GRASS COVER ONCE THE STOCKPILE IS PLACED (TYPICALLY WITHIN 14 DAYS). USE OF MULCH ONLY ON A SOIL BINDER IS ACCEPTABLE IF THE STOCKPILE WILL BE IN PLACE FOR A LONG DURATION. THE FENCE (TYPICALLY 30-40 DAY).
4. FOR TEMPORARY STOCKPILES ON THE INTERIOR PORTION OF A CONSTRUCTION SITE, WHERE OTHER DISTURBED AREAS INCLUDING PERIMETER CONTROL, ARE IN PLACE, STOCKPILE PERIMETER CONTROLS MAY NOT BE REQUIRED.

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Stockpile Management (SM)

MM-2

STOCKPILE PROTECTION MAINTENANCE NOTES
1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. IF PERIMETER PROTECTION MUST BE MOVED TO ACCESS SOIL STOCKPILE, REPLACE PERIMETER CONTROLS BY THE END OF THE WORKDAY.
5. STOCKPILE PERIMETER CONTROLS CAN BE REMOVED ONCE ALL THE MATERIAL FROM THE STOCKPILE HAS BEEN USED.
NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM USFC STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

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