

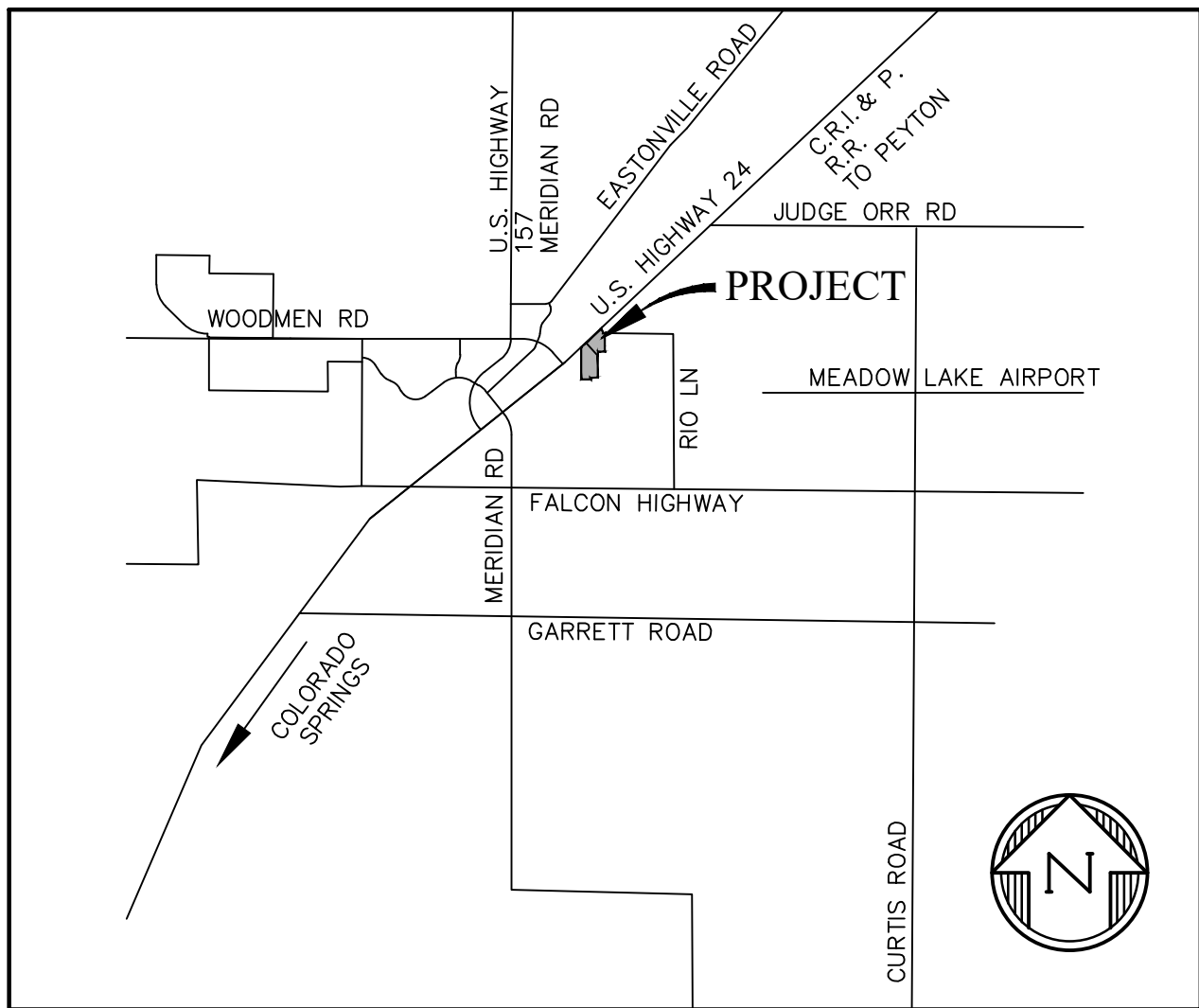
GRADING AND EROSION CONTROL PLANS

THE COMMONS AT FALCON FIELD - FILING NO. 1

SECTION 7, TOWNSHIP 13 SOUTH, RANGE 64 WEST OF THE 6TH P.M.
PEYTON, EL PASO COUNTY, COLORADO

STANDARD NOTES FOR EL PASO COUNTY GRADING AND EROSION CONTROL PLANS

1. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE, AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY (EPC) STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE (LDC), THE ENGINEERING CRITERIA MANUAL (ECM), THE DRAINAGE CRITERIA MANUAL (DCM) VOLUME 1 AND 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.
2. A PRECONSTRUCTION MEETING BETWEEN THE PERMIT HOLDER(S) AND EL PASO COUNTY SHALL BE HELD PRIOR TO ANY CONSTRUCTION ACTIVITIES. IT IS THE RESPONSIBILITY OF THE PERMIT HOLDER(S) TO COORDINATE THE MEETING TIME AND PLACE WITH COUNTY STAFF. NO LAND DISTURBANCE OR CONSTRUCTION ACTIVITIES BEYOND THE INSTALLATION OF THE INITIAL CONSTRUCTION CONTROL MEASURES (CCMS), AS INDICATED ON THE APPROVED GEC PLAN OR CDS WITH GEC PLANS, MAY OCCUR PRIOR TO RECEIVING A NOTICE TO PROCEED (NTP) ISSUED BY THE ECM ADMINISTRATOR. FAILURE TO OBTAIN A NOTICE TO PROCEED PRIOR TO BEGINNING LAND DISTURBING ACTIVITIES MAY RESULT IN AN IMMEDIATE STOP WORK ORDER (SWO).
3. CONSTRUCTION CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF ACTIVITIES THAT COULD CONTRIBUTE POLLUTANTS TO STORMWATER. STORMWATER RUNOFF FROM ALL DISTURBED AREAS AND SOIL STORAGE AREAS MUST UTILIZE OR FLOW TO ONE OR MORE CCM(S) TO MINIMIZE EROSION OR SEDIMENT IN THE DISCHARGE. THE CCM(S) MUST CONTAIN OR FILTER FLOWS IN ORDER TO PREVENT THE BYPASS OF FLOWS WITHOUT TREATMENT AND MUST BE APPROPRIATE FOR STORMWATER RUNOFF FROM DISTURBED AREAS AND FOR THE EXPECTED FLOW RATE, DURATION, AND FLOW CONDITIONS (E.G., SHEET OR CONCENTRATED FLOW).
4. ALL CCMs SHALL BE MAINTAINED AND REMAIN IN EFFECTIVE OPERATING CONDITION UNTIL FINAL STABILIZATION IS ACHIEVED. THE QUALIFIED STORMWATER MANAGER (QSM) SHALL ASSESS THE ADEQUACY OF CCMs AT THE SITE AND IDENTIFY IF CHANGES TO THOSE CCMs ARE NEEDED TO ENSURE THE CONTINUED EFFECTIVE PERFORMANCE OF THE CCMs.
5. PRIOR TO CONSTRUCTION THE PERMIT HOLDER(S) SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
6. MANAGEMENT OF THE STORMWATER MANAGEMENT PLAN (SWMP) DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE DESIGNATED QSM. THE SWMP SHALL BE LOCATED ON-SITE OR DIGITALLY ACCESSIBLE AT ALL TIMES DURING CONSTRUCTION ACTIVITIES AND MUST BE IMPLEMENTED AS WRITTEN FROM THE START OF CONSTRUCTION ACTIVITY UNTIL FINAL STABILIZATION IS ACHIEVED. THE QSM SHALL AMEND THE SWMP WHEN THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE OF THE SITE WHICH WOULD REQUIRE THE IMPLEMENTATION OF NEW OR REVISED CCMs OR IF THE SWMP PROVES TO BE INEFFECTIVE IN CONTROLLING POLLUTANTS IN STORMWATER RUNOFF ASSOCIATED WITH CONSTRUCTION ACTIVITY OR WHEN CCMs ARE NO LONGER NECESSARY AND ARE REMOVED. THE QSM SHALL MAINTAIN A RECORD OF AMENDMENTS MADE TO THE SWMP THAT INCLUDES THE DATE AND IDENTIFICATION OF THE CHANGES.
7. EARTH DISTURBANCES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY MINIMIZE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION. ALL DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME. PRE-EXISTING VEGETATION SHALL BE PROTECTED AND MAINTAINED WITHIN 50 HORIZONTAL FEET OF A RECEIVING WATER UNLESS SHOWN TO BE INFEASIBLE AND SPECIFICALLY REQUESTED AND APPROVED. IN ADDITION TO MAINTAINING 50 HORIZONTAL FEET OF PRE-EXISTING VEGETATION UPGRADIENT OF A RECEIVING WATER (UNLESS INFEASIBLE AND APPROVED), THE PERMIT HOLDER(S) MUST INSTALL CCMs UPGRADIENT OF THE VEGETATIVE BUFFER.
8. TEMPORARY STABILIZATION MEASURES SHALL BE IMPLEMENTED ON DISTURBED AREAS AND STOCKPILES WHERE GROUND DISTURBING CONSTRUCTION ACTIVITY HAS PERMANENTLY CEASED OR TEMPORARILY CEASED FOR LONGER THAN 14 DAYS.
9. EROSION CONTROL BLANKET (ECB) OR OTHER APPROVED CONTROL MEASURE(S) SHALL BE USED ON SLOPES STEEPER THAN 3:1.
10. VEHICLE TRACKING CONTROLS (VTC) MUST BE IMPLEMENTED TO MINIMIZE VEHICLE TRACKING OF SEDIMENT FROM DISTURBED AREAS. VTCs MUST INCLUDE A STRUCTURE CONTROL MEASURE (E.G., TRACKING PAD) AND MAY INCLUDE A NON-STRUCTURAL CONTROL MEASURE (E.G., SWEEPING). MATERIAL TRACKED OFF-SITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
11. ANY TEMPORARY OR PERMANENT CONTROL MEASURE DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE A STABILIZED CONVEYANCE DESIGNED TO MINIMIZE EROSION AND THE DISCHARGE OF SEDIMENT OFF-SITE.
12. NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER, PERMANENT CONTROL MEASURES (PCMS), OR DITCHES EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.
13. ALL PCMS SHALL BE INSTALLED AS DESIGNED IN THE APPROVED PLANS. ANY PROPOSED CHANGES THAT AFFECT THE DESIGN OR FUNCTION OF PCMS MUST BE APPROVED BY THE ECM ADMINISTRATOR PRIOR TO IMPLEMENTATION.
14. SOIL COMPACTION MUST BE MINIMIZED IN AREAS WHERE INFILTRATION PCMS WILL BE INSTALLED OR IN AREAS WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER. AREAS DESIGNATED FOR INFILTRATION PCMS SHALL ALSO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED. IF SOIL COMPACTION DOES OCCUR IN AREAS WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER OR IN AREAS WHERE INFILTRATION PCMS WILL BE INSTALLED, DECOMPACTION OF THE SOIL MUST BE COMPLETED PRIOR TO PLANTING OR INSTALLATION OF THE PCM(S). AN INFILTRATION TEST MUST BE CONDUCTED FOR ALL INFILTRATION PCMS AND THE INFILTRATION TEST RESULTS SUBMITTED TO EL PASO COUNTY PRIOR TO PRELIMINARY ACCEPTANCE (PA).
15. FINAL STABILIZATION MUST BE IMPLEMENTED AT ALL APPLICABLE CONSTRUCTION SITES. FINAL STABILIZATION IS ACHIEVED WHEN ALL GROUND DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED AND PERMANENT STABILIZATION METHODS ARE COMPLETE. WHEN USING VEGETATIVE COVER AS A PERMANENT STABILIZATION METHOD, THE VEGETATION SHALL BE EVENLY DISTRIBUTED PERENNIAL VEGETATION AND OF THE VARIETY AND SPECIES FOUND IN THE COUNTY-APPROVED SEED MIXES OR IN THE APPROVED GEC PLAN. VEGETATION COVERAGE SHALL BE, AT A MINIMUM, EQUAL TO 70% OF WHAT WOULD HAVE BEEN PROVIDED BY NATIVE VEGETATION IN A LOCAL, UNDISTURBED AREA OR ADEQUATE REFERENCE SITE. ALL TEMPORARY CCMs SHALL BE REMOVED UPON FINAL STABILIZATION AND PRIOR TO STORMWATER PERMIT TERMINATION.
16. STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS. ALL WORK AND EARTH DISTURBANCE SHALL BE DONE IN A MANNER THAT MINIMIZES POLLUTION OF ANY ON-SITE OR OFF-SITE WATERS, INCLUDING WETLANDS.
17. CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO BE DISCHARGED OFFSITE OR TO ENTER STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR CONTROL MEASURES. CONCRETE WASHOUT AREAS SHALL NOT BE LOCATED IN AN AREA WHERE SHALLOW GROUNDWATER MAY BE PRESENT, OR WITHIN 50 FEET OF A SURFACE WATER BODY, CREEK, OR STREAM.
18. DURING CONSTRUCTION DEWATERING OPERATIONS, UNCONTAMINATED GROUNDWATER MAY BE DISCHARGED ON-SITE IN ACCORDANCE WITH THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT'S (CDPHE) LOW RISK DISCHARGE GUIDANCE POLICY FOR DISCHARGES OF UNCONTAMINATED GROUNDWATER TO LAND. IF CONSTRUCTION DEWATERING OPERATIONS ARE UNABLE TO MEET ALL CRITERIA, CONDITIONS, AND CONTROL MEASURE REQUIREMENTS OF THE LOW RISK DISCHARGE GUIDANCE POLICY, A COLORADO DISCHARGE PERMIT SYSTEM (CDPS) GENERAL PERMIT COG080000 WILL BE REQUIRED.



VICINITY MAP
NTS

18. DURING CONSTRUCTION DEWATERING OPERATIONS, UNCONTAMINATED GROUNDWATER MAY BE DISCHARGED ON-SITE IN ACCORDANCE WITH THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT'S (CDPHE) LOW RISK DISCHARGE GUIDANCE POLICY FOR DISCHARGES OF UNCONTAMINATED GROUNDWATER TO LAND. IF CONSTRUCTION DEWATERING OPERATIONS ARE UNABLE TO MEET ALL CRITERIA, CONDITIONS, AND CONTROL MEASURE REQUIREMENTS OF THE LOW RISK DISCHARGE GUIDANCE POLICY, A COLORADO DISCHARGE PERMIT SYSTEM (CDPS) GENERAL PERMIT COG080000 WILL BE REQUIRED.
19. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTE FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO CONSTRUCTION DEBRIS, TREE SLASH, BUILDING MATERIAL WASTES, OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.
20. THE PERMIT HOLDER(S) SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, SOIL, AND SAND THAT MAY ACCUMULATE IN ROADS, STORM DRAINS AND OTHER DRAINAGE CONVEYANCE SYSTEMS AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.
21. THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM THE WORK IN AN ORDERLY SEQUENCE. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABELS.
22. MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY, OR OTHER PUBLIC WAY, UNLESS IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL PLAN. APPROPRIATE CMS SHALL BE UTILIZED BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
23. BULK STORAGE (I.E., INDIVIDUAL CONTAINERS OF 55 GALLONS OR GREATER) OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID SHALL REQUIRE ADEQUATE SECONDARY CONTAINMENT, OR EQUIVALENT PROTECTION, TO CONTAIN ALL SPILLS ON-SITE AND TO PREVENT ANY SPILLED MATERIALS FROM ENTERING STATE WATERS, ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM, OR OTHER FACILITIES.
24. NO CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ON-SITE UNLESS PERMISSION FOR THE USE OF SUCH CHEMICAL(S) IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN GRANTING APPROVAL FOR THE USE OF SUCH CHEMICAL(S), SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
25. ON AREAS OF EXPOSED SOIL, MINIMIZE DUST THROUGH THE APPROPRIATE APPLICATION OF WATER OR OTHER DUST SUPPRESSION TECHNIQUES. WATER APPLICATION MUST BE CONDUCTED IN A MANNER TO PREVENT DISCHARGE OFFSITE UNLESS AUTHORIZED BY A CDPS OR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT.
26. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS.
27. FOR SITES WHERE A SOILS REPORT IS REQUIRED, THE APPROVED SOILS REPORT FOR THIS SITE SHALL BE CONSIDERED A PART OF THESE PLANS.
28. PERMIT HOLDER(S) AND THEIR AGENTS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 8, CRS), AND THE "CLEAN WATER ACT" (33 USC 1344), IN ADDITION TO THE REQUIREMENTS OF THE LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL VOLUME 2, AND ENGINEERING CRITERIA MANUAL. ALL APPLICABLE LOCAL, STATE, AND FEDERAL PERMITS MUST BE OBTAINED PRIOR TO CONSTRUCTION. IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND OTHER LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, LOCAL, OR COUNTY AGENCIES, THE MOST RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
29. AT LEAST TEN (10) DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB ONE (1) ACRE OR MORE OR LESS THAN 1 ACRE AND PART OF A LARGER COMMON PLAN OF DEVELOPMENT OR SALE THAT WOULD DISTURB 1 OR MORE ACRES, THE PERMIT HOLDER(S) SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE (COR4000000 PERMIT) TO THE CDPHE WATER QUALITY DIVISION. THE APPLICATION CONTAINS CERTIFICATION OF COMPLETION OF A SWMP, OF WHICH THIS GEC PLAN MAY BE A PART. FOR INFORMATION OR APPLICATION MATERIALS CONTACT:
COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL DIVISION
WQCD – PERMITS
4300 CHERRY CREEK DRIVE SOUTH
DENVER, CO 80246-1530
ATTN: PERMITS UNIT

SHEET INDEX

- CVR – GRADING AND EROSION CONTROL COVER SHEET
EC1-5 – INITIAL/INTERIM EROSION CONTROL PLAN
EC6-9 – FINAL EROSION CONTROL PLAN
PD1-5 – POND INLET/OUTLET DETAILS
DT1-4 – EROSION CONTROL DETAILS

BENCHMARK:

ELEVATIONS ARE BASED ON A 2" ALUMINUM CAP STAMPED "DREXEL BARRELL CONTROL POINT". LOCATED 59-FT OF SOUTH ANGLE POINT OF RIO LANE SOUTH RIGHT-OF-WAY.
N: 1404005.87, E: 3256504.201, ELEVATION: 6849.06, NAVD88.

ENGINEER'S STATEMENT

THIS EROSION CONTROL/GRADING PLAN WAS PREPARED UNDER MY DIRECTION AND SUPERVISION AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. SAID PLAN HAS BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR GRADING AND EROSION CONTROL PLANS. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARING THIS REPORT.

TIM D. McCONNELL, P.E.

DATE

OWNER'S STATEMENT

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN.

OWNER/DEVELOPER

DATE

EL PASO COUNTY

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

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA, AND ENGINEERING CRITERIA MANUAL AS AMENDED.

IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTOR'S DISCRETION.

JOSHUA PALMER, P.E.

COUNTY ENGINEER/ECM ADMINISTRATOR

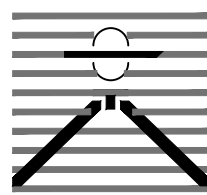
DATE



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:



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

CLIENT:

PT 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:	TDM
DRAWN BY:	GES
CHECKED BY:	TDM
FILE NAME:	21604-01ECCV

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

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

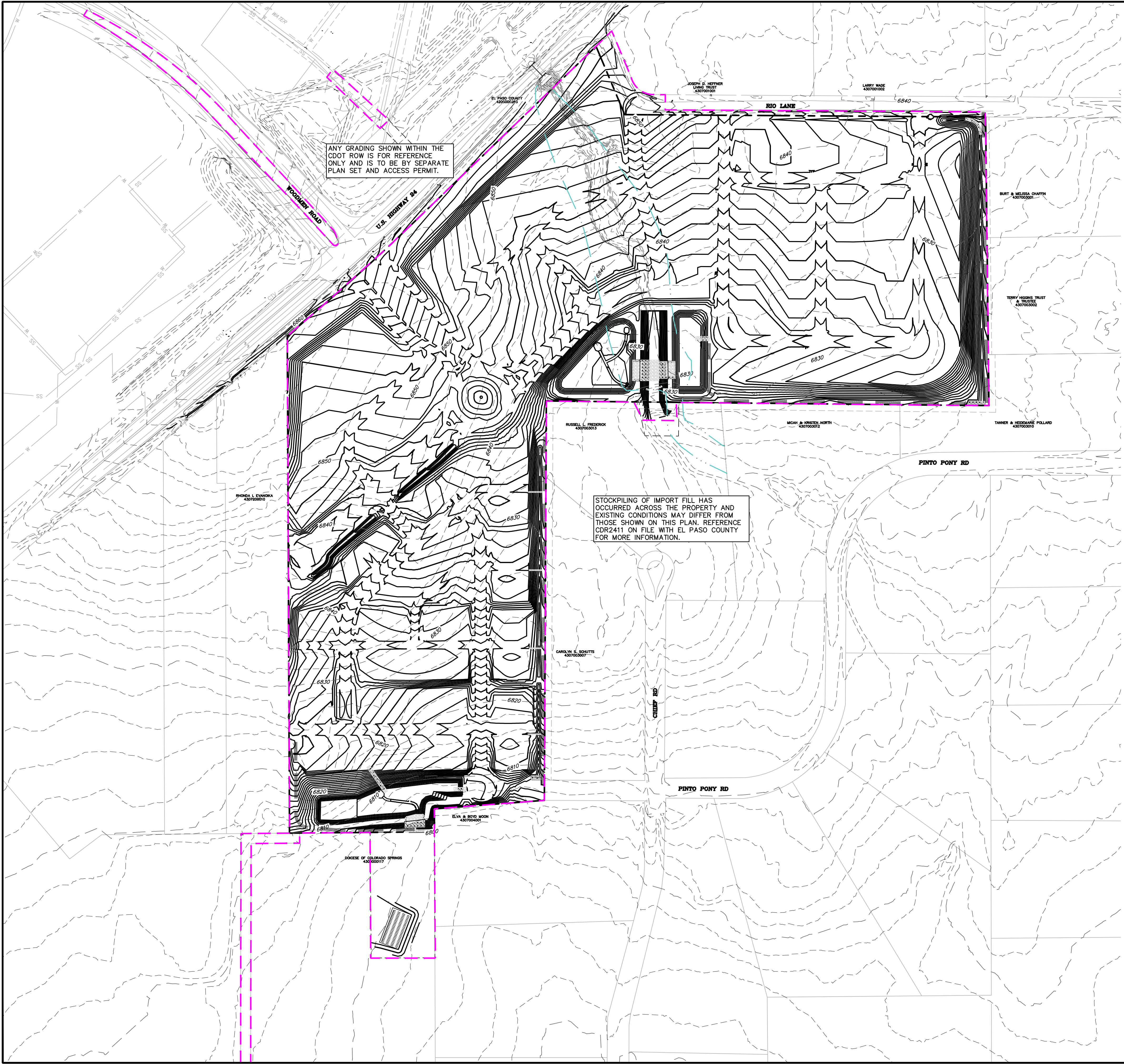
GRADING AND
EROSION CONTROL
COVER SHEET

PROJECT NO. 21604-00CSCV

DRAWING NO.

CVR

SHEET: 1 OF 19



LEGEND

PROPOSED INTERMEDIATE CONTOUR..... 5522

PROPOSED INDEX CONTOUR 5520

EX. INTERMEDIATE CONTOUR 5364

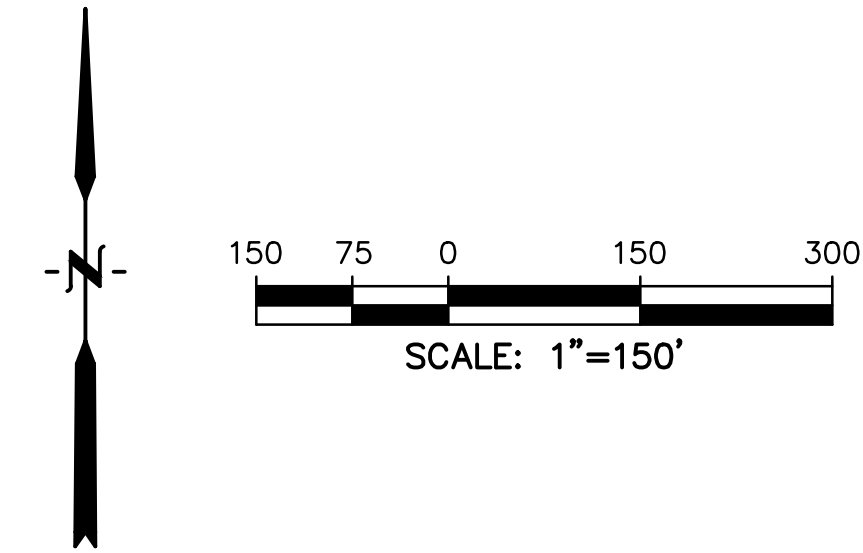
EX. INDEX CONTOUR 5365

PROPOSED BOX CULVERT.....

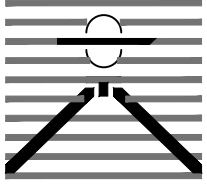
LIMITS OF DISTURBANCE/
CONSTRUCTION SITE BOUNDARY.....

EX. 100-YR FLOODPLAIN.....

- NOTES:
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.
 4. NO BATCH PLANTS WILL BE UTILIZED ONSITE.
 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.



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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**

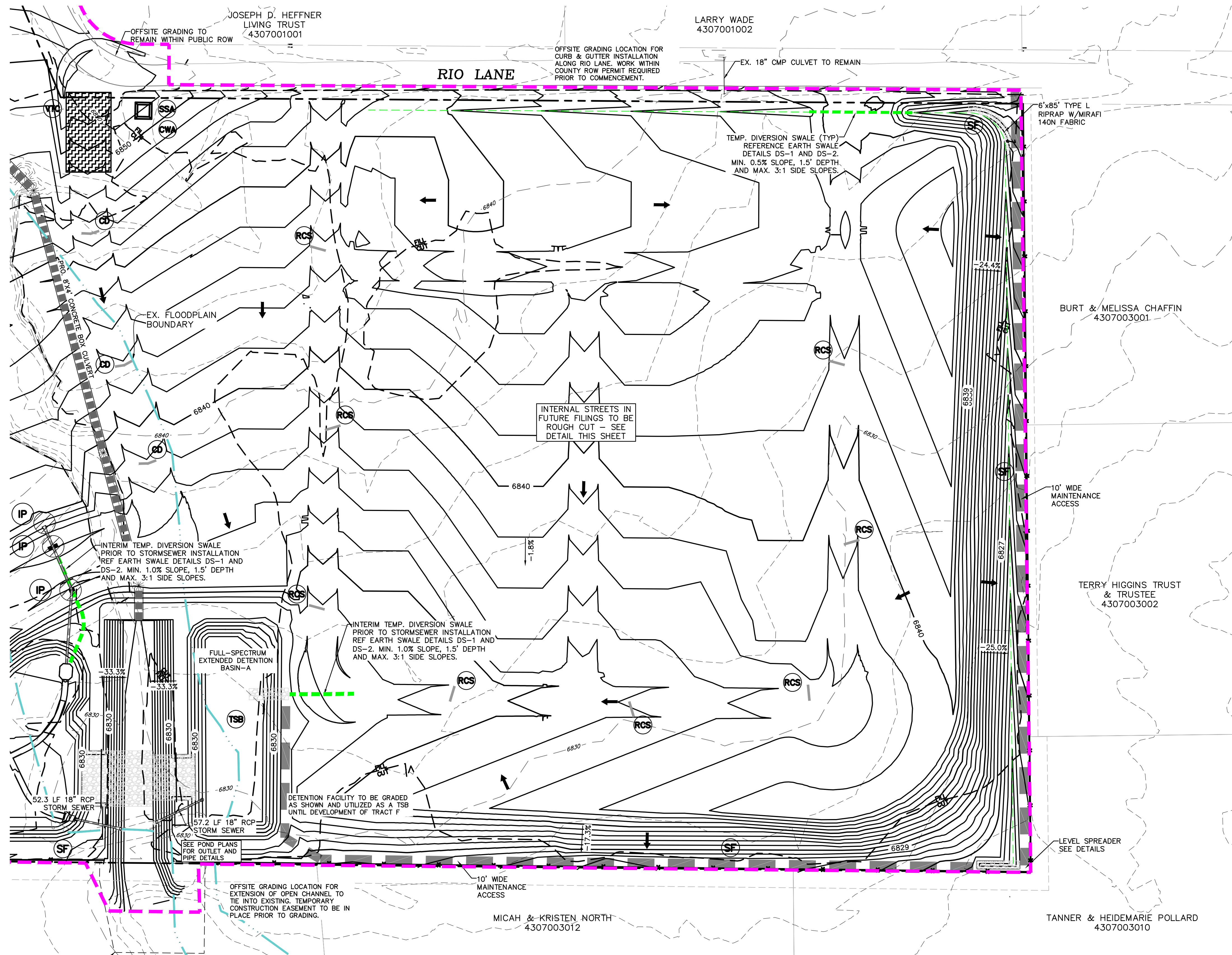
PROJECT NO. 21604-00CSCV
DRAWING NO.

EC-1

SHEET: 2 OF 19

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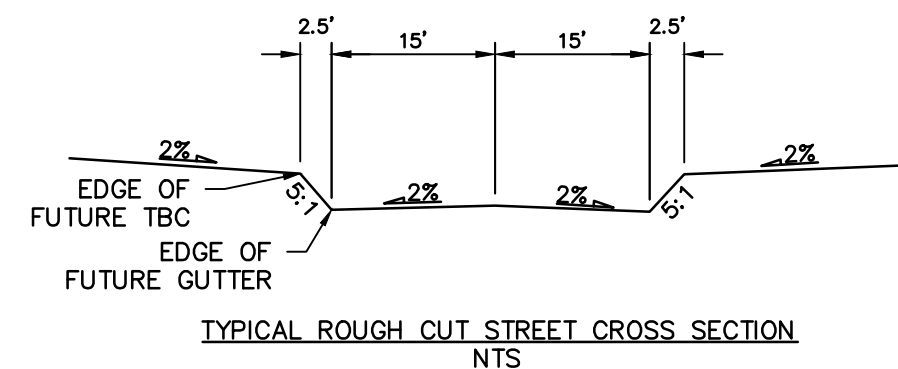
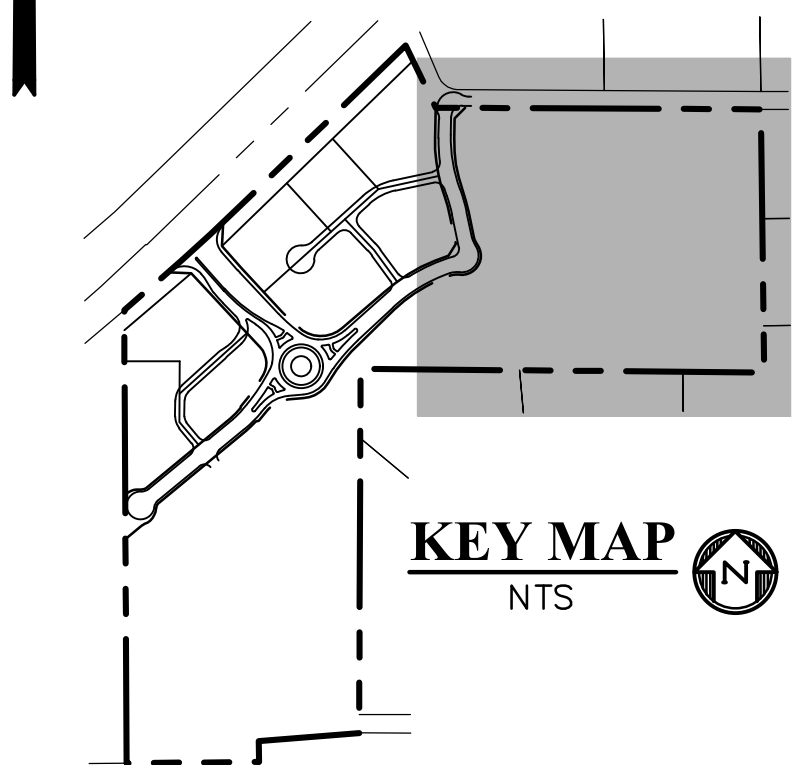
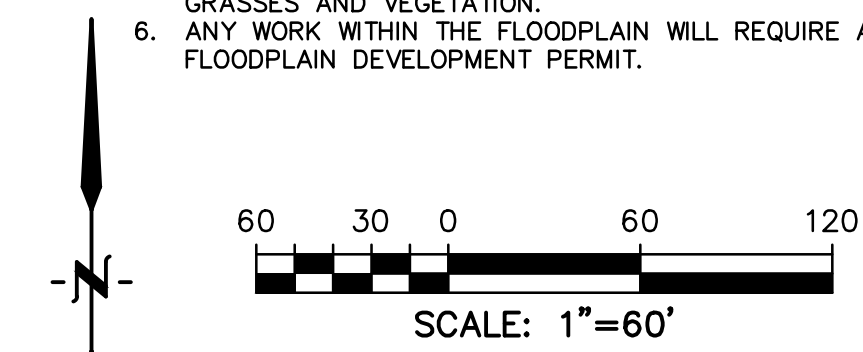


LEGEND

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
INITIAL/INTERIM CONCRETE WASHOUT AREA
INITIAL/INTERIM TEMPORARY SEDIMENT BASIN
INITIAL/INTERIM INLET PROTECTION
INITIAL/INTERIM VEHICLE TRACKING CONTROL
INITIAL/INTERIM ROUGH CUT STREET CONTROL
INITIAL/INTERIM STABILIZED STAGING AREA
INITIAL/INTERIM CHECK DAM

- NOTES:
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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)	HOLE DIAMETER (IN)
POND A	15.24	54866	170	85	4	57800	22
POND B	14.96	53855	170	85	4	57800	22
POND C (less TSB1)	13.90	50042	170	85	4	57800	22
TSB1 (C Basins)	8.69	31272	110	55	3	18150	13
TSB2 (Basins OSD1+D4)	5.96	21466	86	43	3	11094	9

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

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DREXEL, BARRELL & CO.

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

INITIAL/INTERIM
EROSION
CONTROL PLAN

PROJECT NO. 21604-00CSCV
DRAWING NO.

EC-2

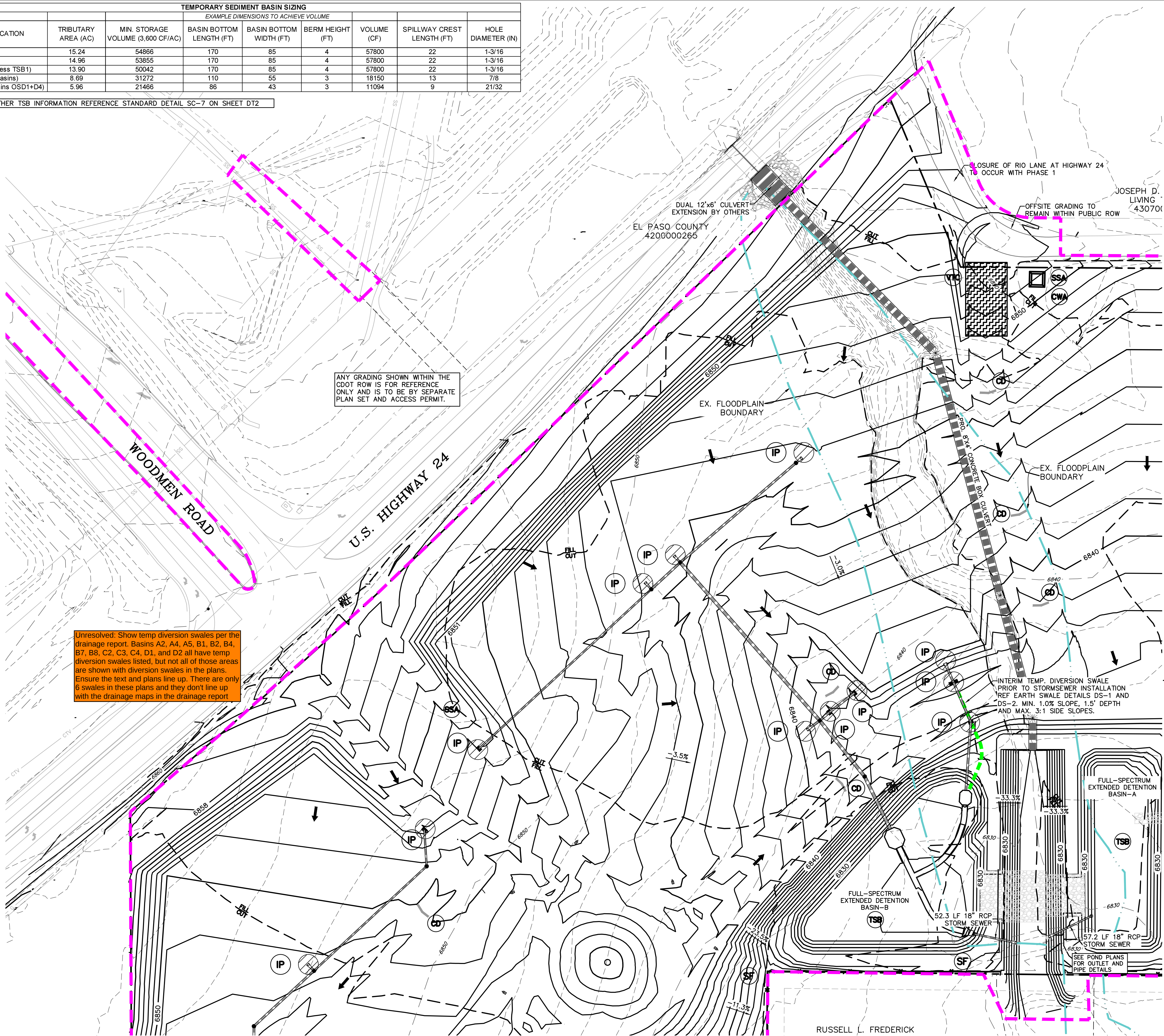
SHEET: 3 OF 19

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

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)
POND A	15.24	54866	170	85	4	57800	22
POND B	14.96	53855	170	85	4	57800	22
POND C (less TSB1)	13.90	50042	170	85	4	57800	22
TSB1 (C Basins)	8.69	31272	110	55	3	18150	13
TSB2 (Basins OSD1+D4)	5.96	21466	86	43	3	11094	9

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..... CUT FILL

100-YR FLOODPLAIN.....

INITIAL/INTERIM SILT FENCE..... SF

INITIAL/INTERIM CONCRETE WASHOUT AREA..... CWA

INITIAL/INTERIM TEMPORARY SEDIMENT BASIN..... TSB

INITIAL/INTERIM INLET PROTECTION..... IP

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:
1. OVERLOT GRADING WILL OCCUR ACROSS THE ENTIRETY OF THE SITE.

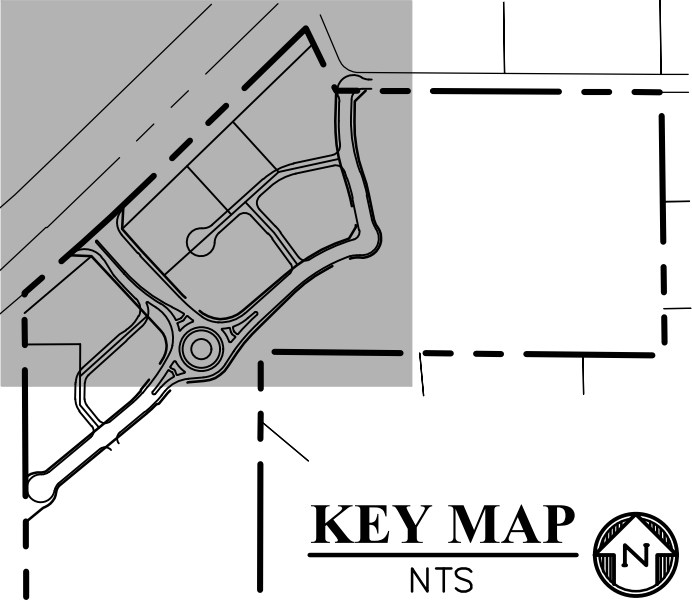
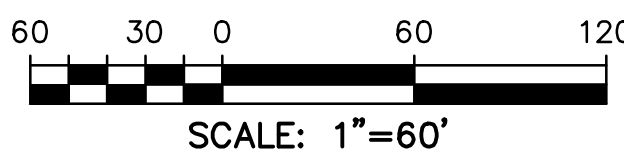
2. WASTE DISPOSAL BIN LOCATIONS ARE TBD AND WILL BE ADDED TO THE SWMP ONCE DETERMINED BY THE CONTRACTOR.

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. SEE STANDARD DETAIL SHEETS IN THIS SET.

4. NO BATCH PLANTS WILL BE UTILIZED ONSITE.

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.



Know what's below.

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CALL 3-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

PREPARED BY:

DREXEL, BARRELL & CO.
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101 SAWATCH ST. #100
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CLIENT:

PT FALCON FIELD, LLC

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MONUMENT, CO 80132
(719) 476-0800
CONTACT: STEVE ROSSOLL

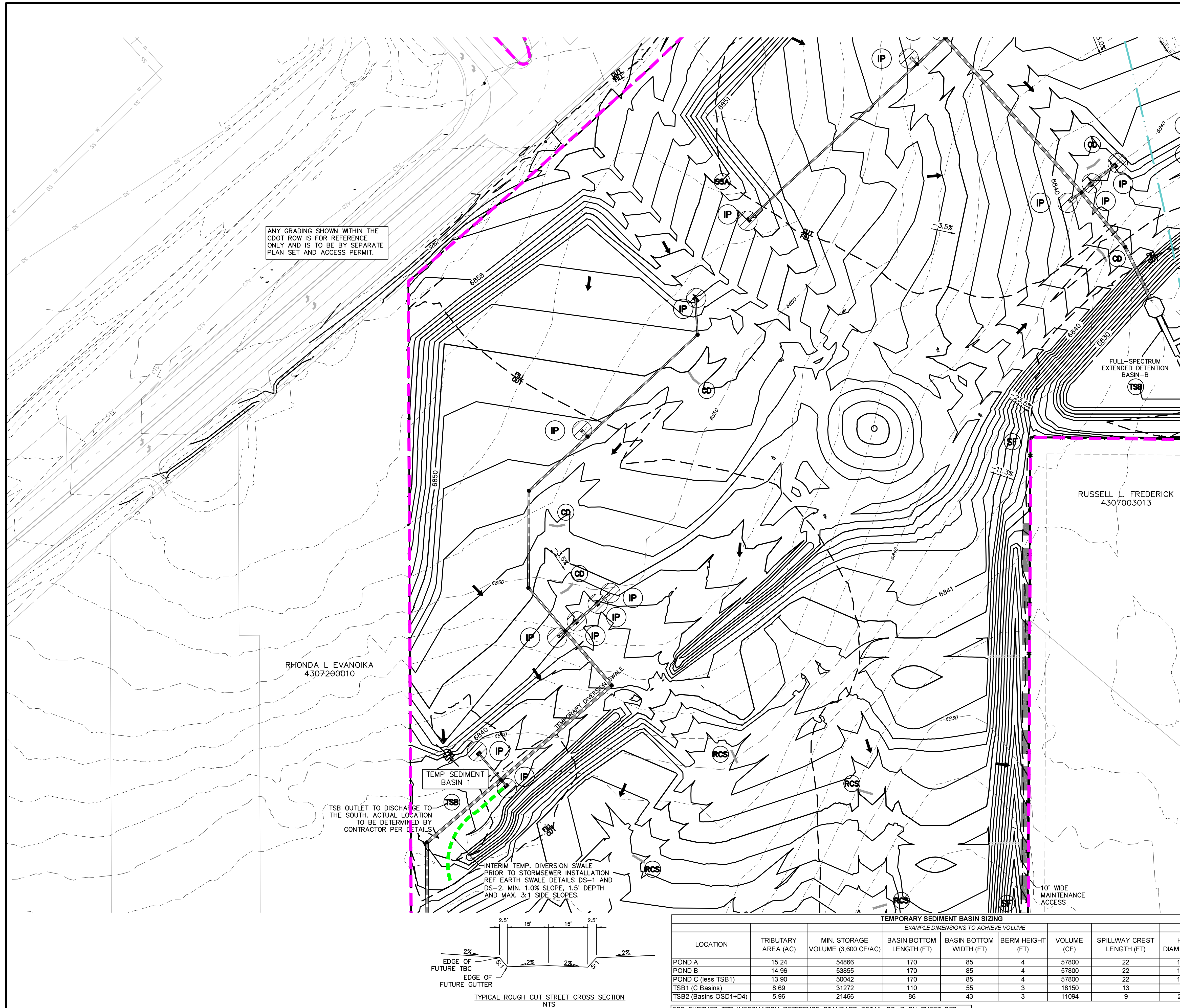
GRADING AND EROSION CONTROL PLANS FOR:

THE COMMONS AT FALCON

FIELD - FILING NO. 1

12445 RIO LANE, AND VACANT LAND
PEYTON, EL PASO COUNTY, COLORADO

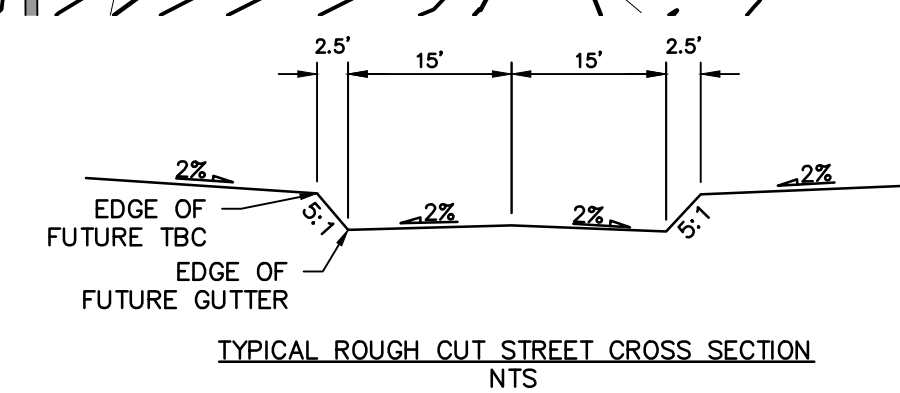
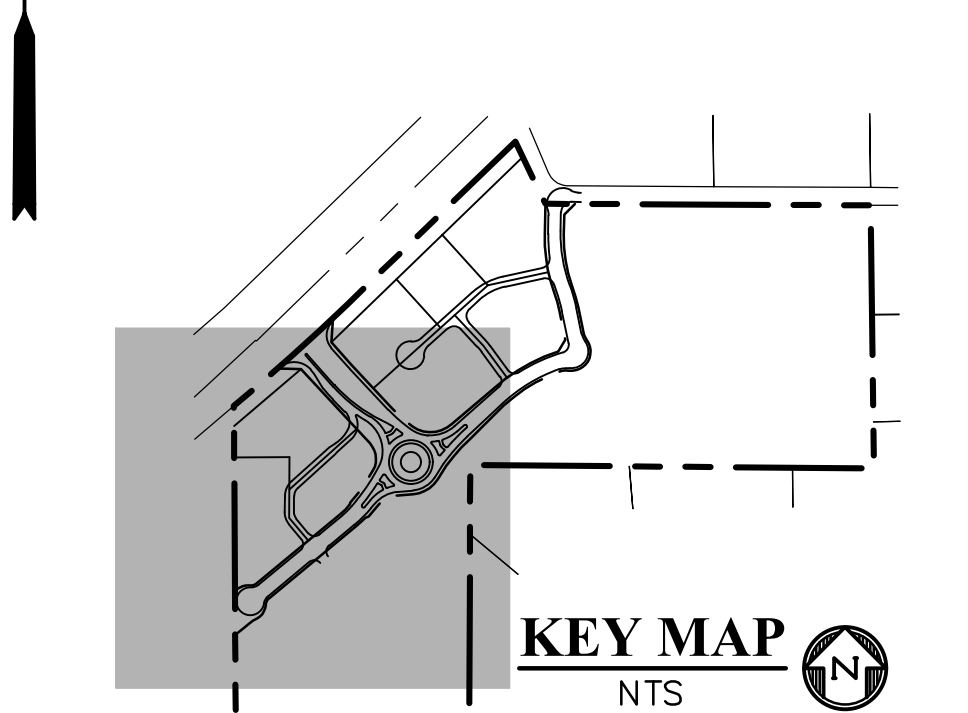
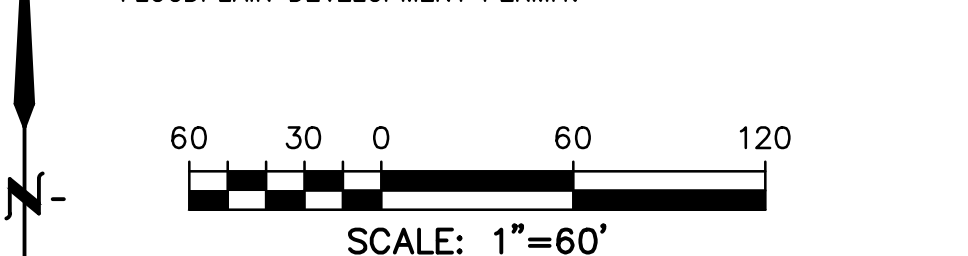
ISSUE	DATE
INITIAL ISSUE	12/13/24
RESUBMITTAL	3/13/26
DESIGNED BY:	KGV
DRAWN BY:	CGH
CHECKED BY:	TDM
FILE NAME:	21604-01EC1-4
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.	
DRAWING SCALE: HORIZONTAL: 1" = 60' VERTICAL: N/A	
INITIAL/INTERIM EROSION CONTROL PLAN	
PROJECT NO. 21604-00CSCV	
DRAWING NO.	
EC-3	
SHEET: 4 OF 19	



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 INLET PROTECTION..... IP
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:
1. OVERLOT GRADING WILL OCCUR ACROSS THE ENTIRETY OF THE SITE.
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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	15.24	54866	170	85	4	57800	22	1-3/16
POND B	14.96	53855	170	85	4	57800	22	1-3/16
POND C (less TSB1)	13.90	50042	170	85	4	57800	22	1-3/16
TSB1 (C Basins)	8.69	31272	110	55	3	18150	13	7/8
TSB2 (Basins OSD1+D4)	5.96	21466	86	43	3	11094	9	21/32

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

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COLORADO SPRINGS • LAFAYETTE

CLIENT:

PT 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

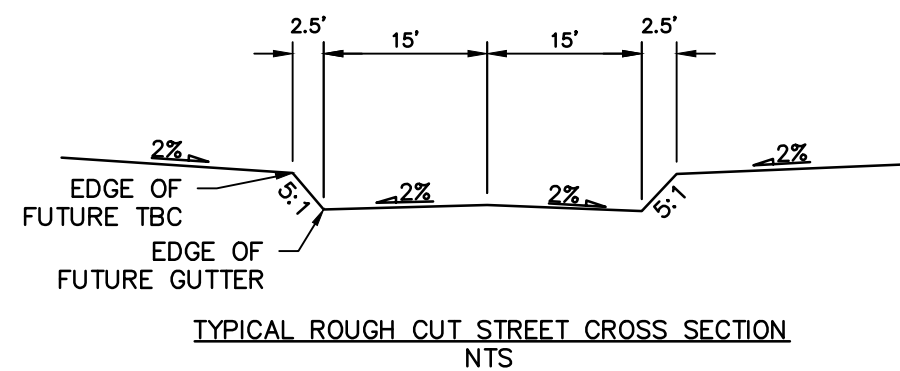
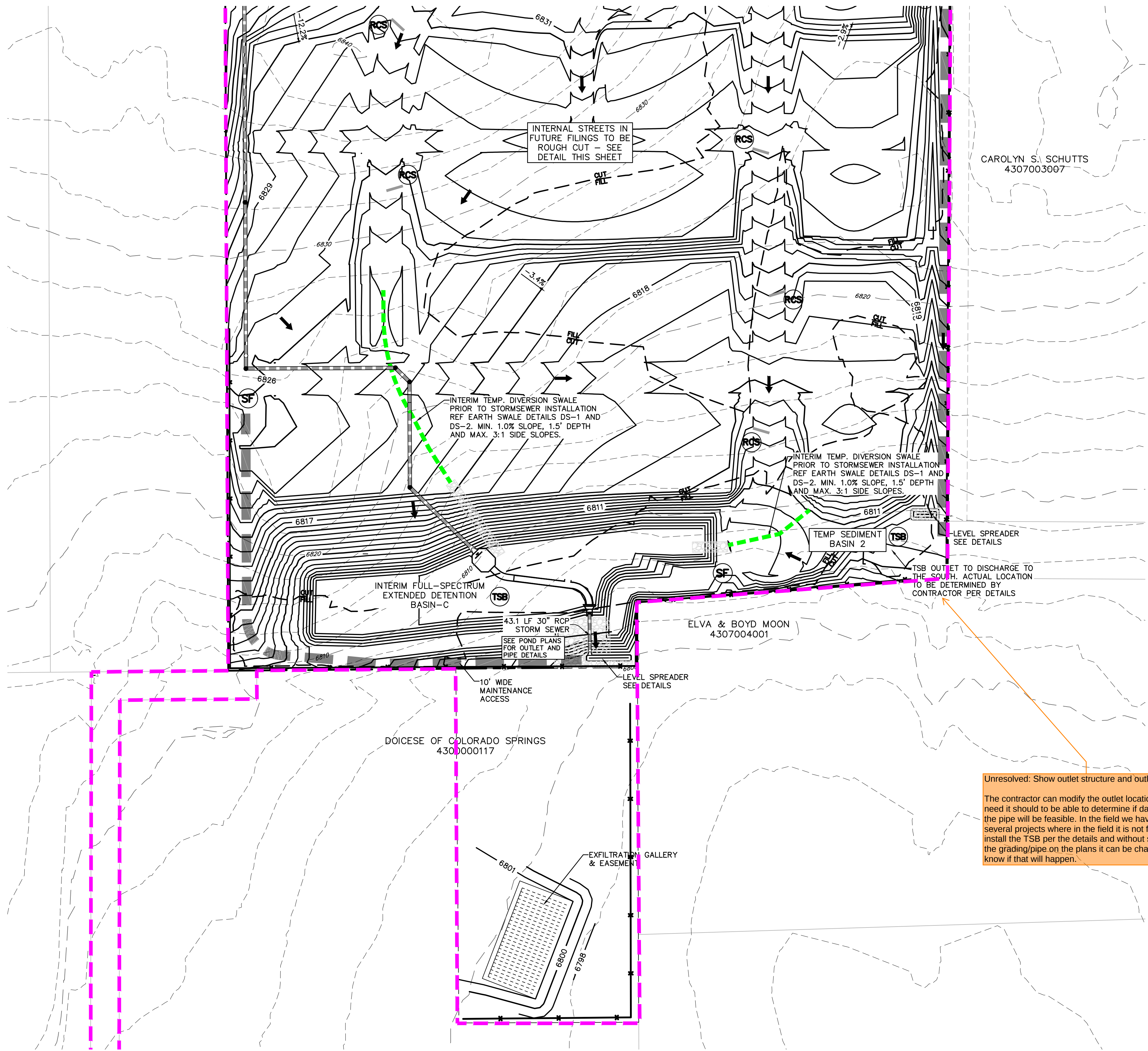
PROJECT NO. 21604-00CSCV
DRAWING NO.

EC-4

SHEET: 5 OF 19

Know what's below.
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EPC FILE NO.: SF2435

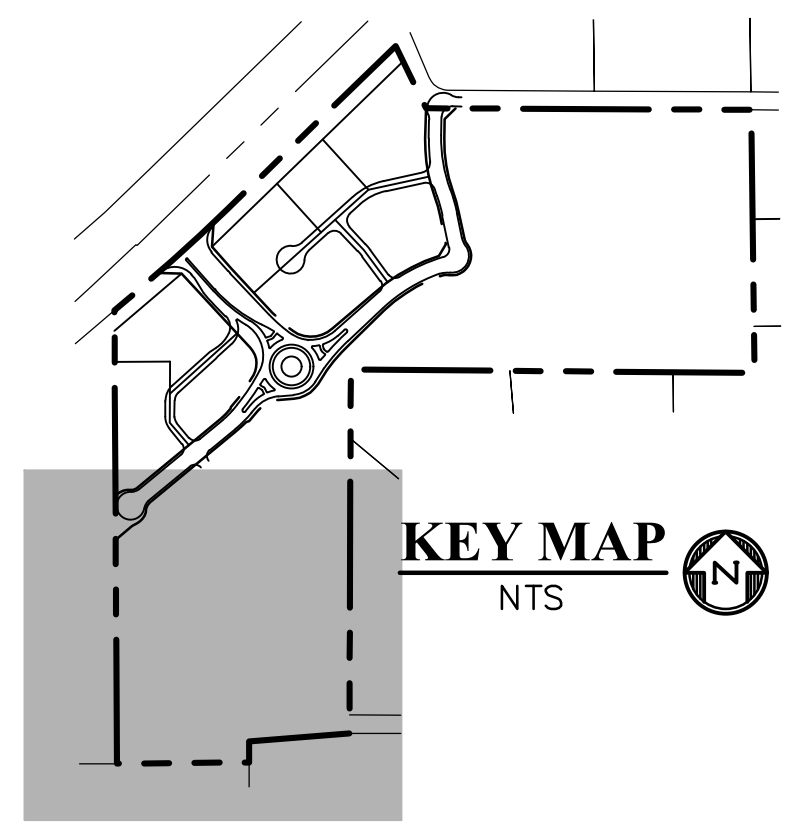
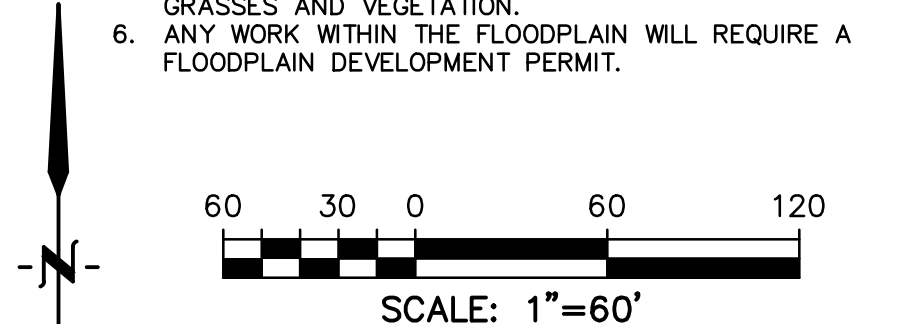


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FOR FURTHER TSB INFORMATION REFERENCE STANDARD DETAIL SC-7 ON SHEET DT2

- 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 INLET PROTECTION..... IP
- 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:
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Unresolved: Show outlet structure and outlet pipe.

The contractor can modify the outlet location but we need it should be able to determine if daylighting the pipe will be feasible. In the field we have had several projects where in the field it is not feasible to install the TSB per the details and without showing the grading/pipe on the plans it can be challenging to know if that will happen.

PREPARED BY:

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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:	21604-01EC1-4

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

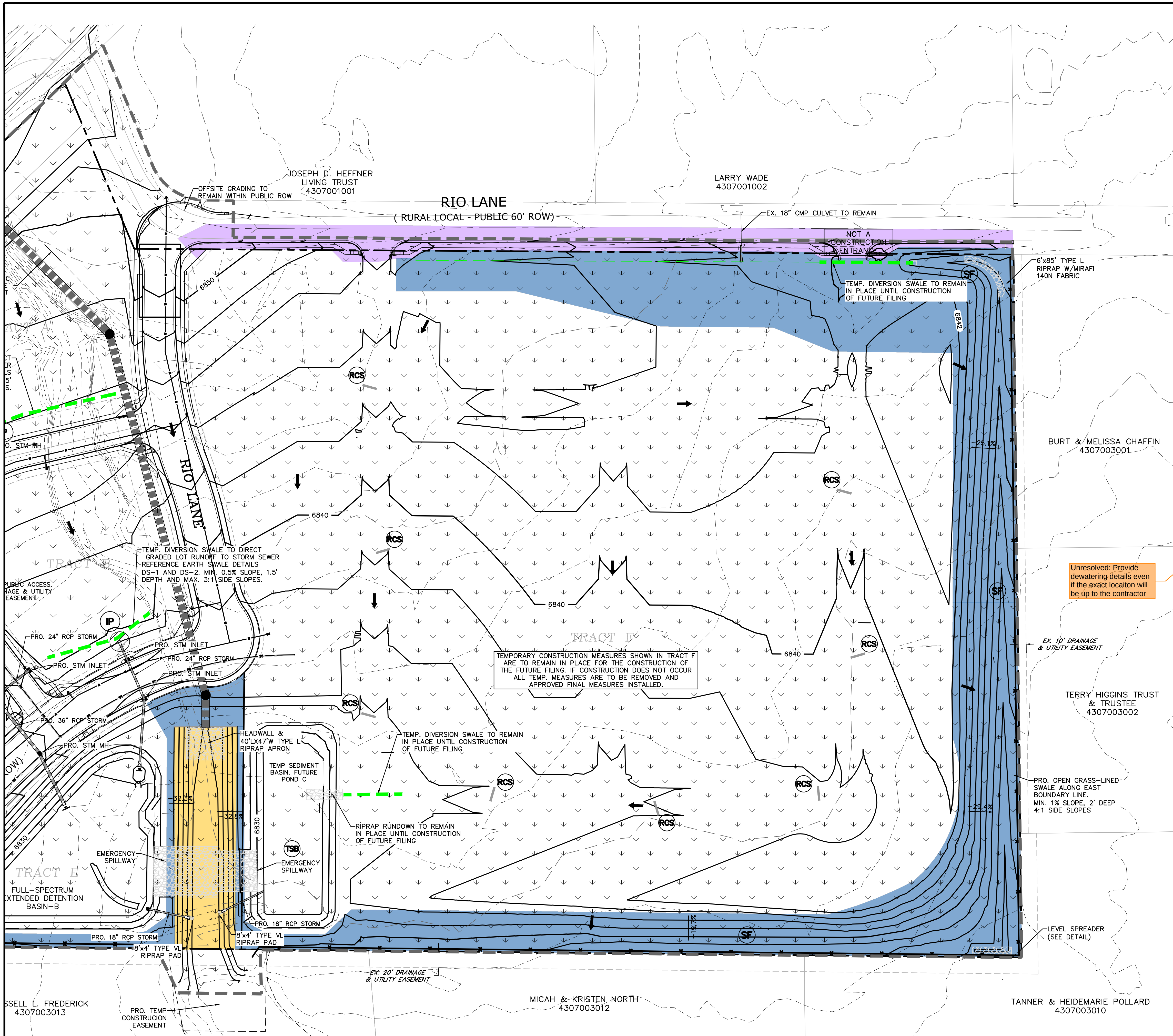
SHEET: 6 OF 19

811

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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 - - - -

INITIAL/INTERIM SILT FENCE (TO REMAIN ON FUTURE LOTS/FILINGS) (SF) ×

INITIAL/INTERIM INLET PROTECTION (TO REMAIN ON FUTURE LOTS/FILINGS) (IP) /

INITIAL/INTERIM TEMPORARY SEDIMENT BASIN (TO REMAIN ON FUTURE FILINGS) (TSB)

INITIAL/INTERIM ROUGH CUT STREET CONTROL (TO REMAIN ON FUTURE FILINGS) (RCS)

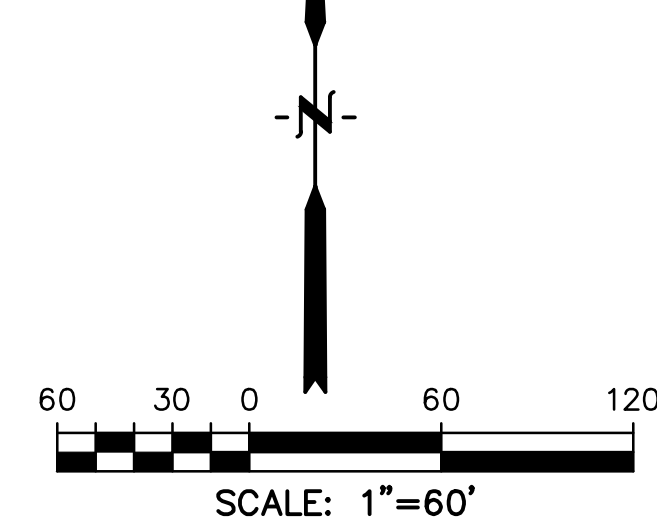
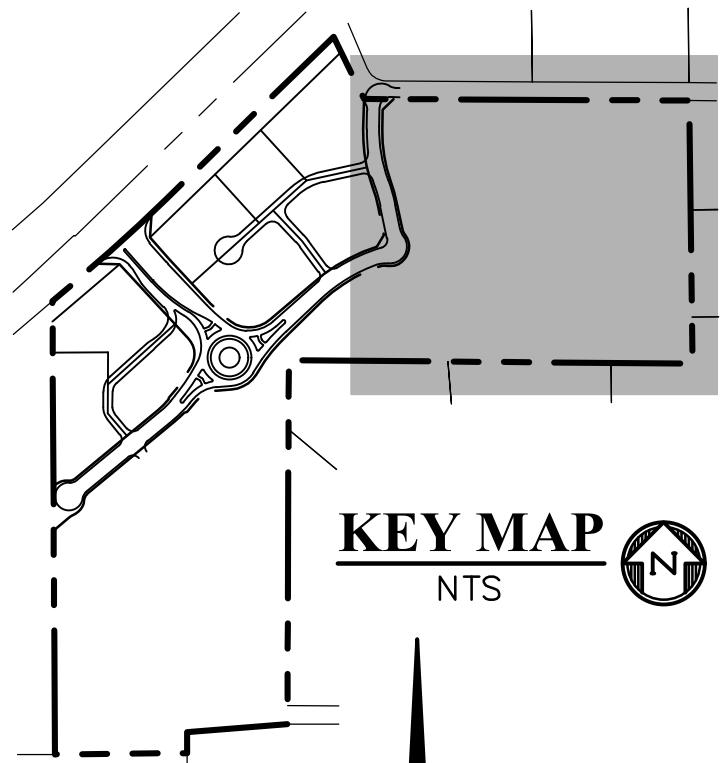
FINAL SEEDING AND MULCHING (SM)

ECM EXCLUSION I.6.1.B.2 (2) EXCLUDED ROADWAY DEVELOPMENT

ECM EXCLUSION I.6.1.B.8 STREAM STABILIZATION

SELF TREATING SPA

- NOTES:
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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

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

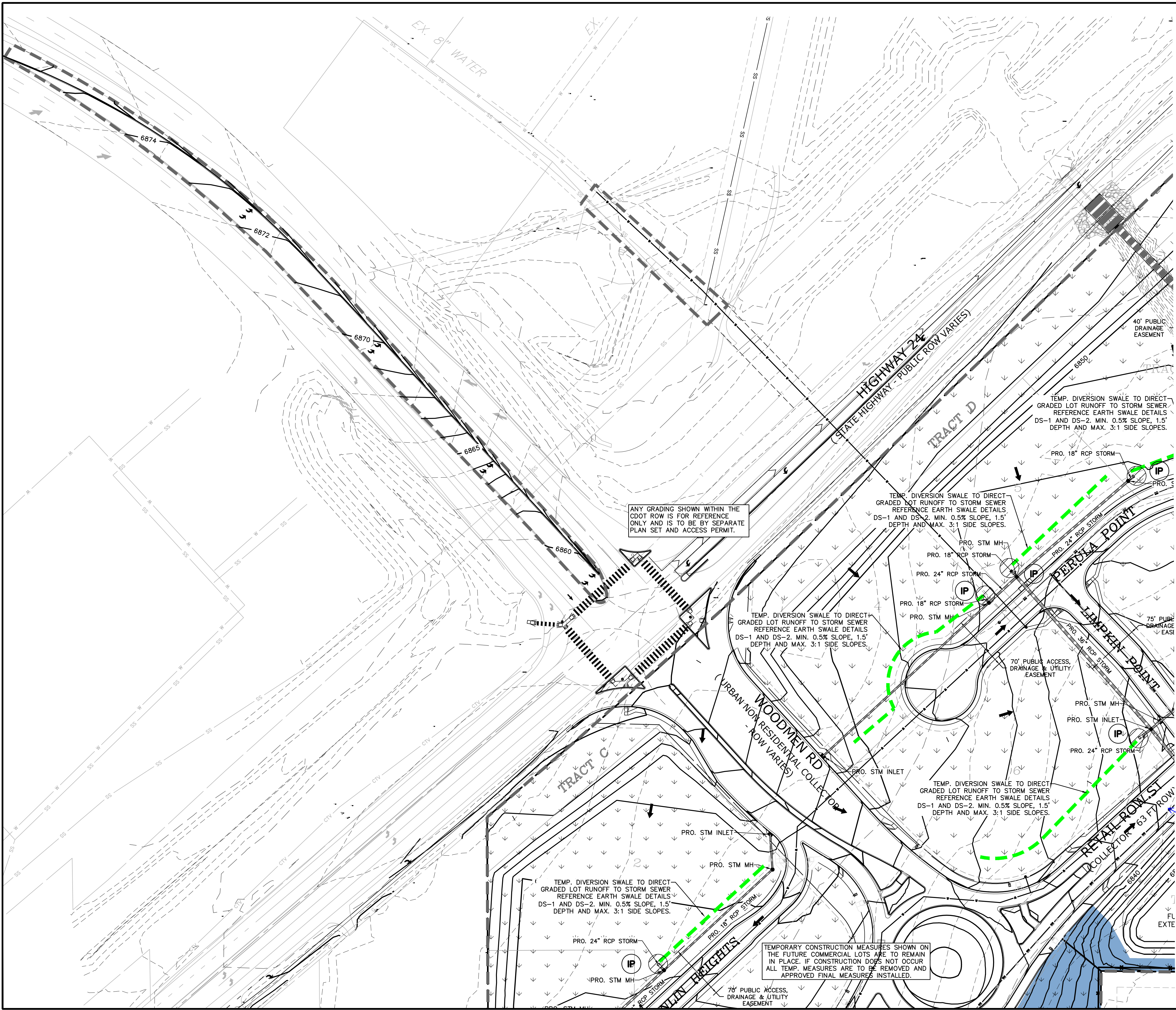
FINAL EROSION CONTROL PLAN

PROJECT NO. 21604-00SCV
DRAWING NO.

EC-6

SHEET: 7 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.....

INITIAL/INTERIM SILT FENCE..... (TO REMAIN ON FUTURE LOTS/FILINGS)

INITIAL/INTERIM INLET PROTECTION..... (TO REMAIN ON FUTURE LOTS/FILINGS)

INITIAL/INTERIM TEMPORARY SEDIMENT BASIN..... (TO REMAIN ON FUTURE FILINGS)

INITIAL/INTERIM ROUGH CUT STREET CONTROL..... (TO REMAIN ON FUTURE FILINGS)

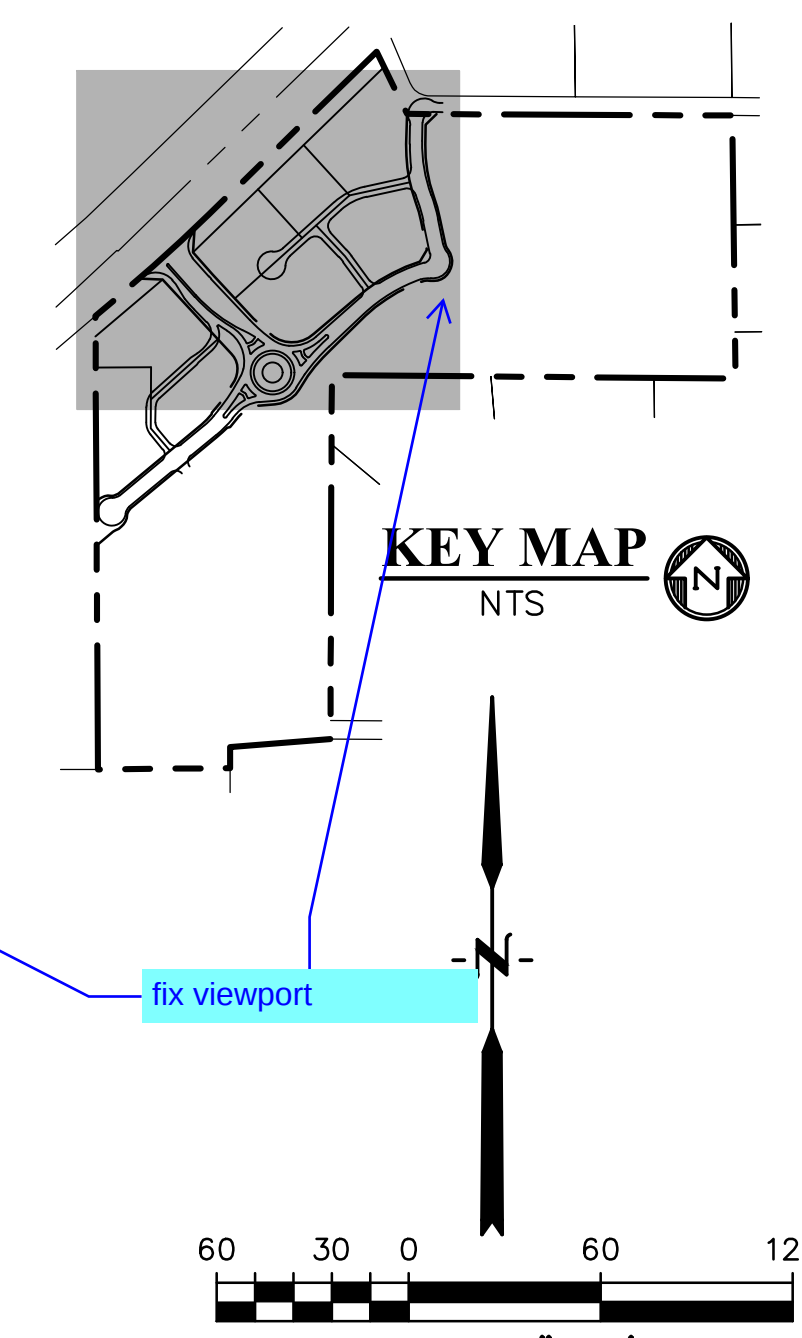
FINAL SEEDING AND MULCHING.....

ECM EXCLUSION I.6.1.B.2 (2) EXCLUDED ROADWAY DEVELOPMENT

ECM EXCLUSION I.6.1.B.8 STREAM STABILIZATION

SELF TREATING SPA

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EPC FILE NO.: SF2435

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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

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.

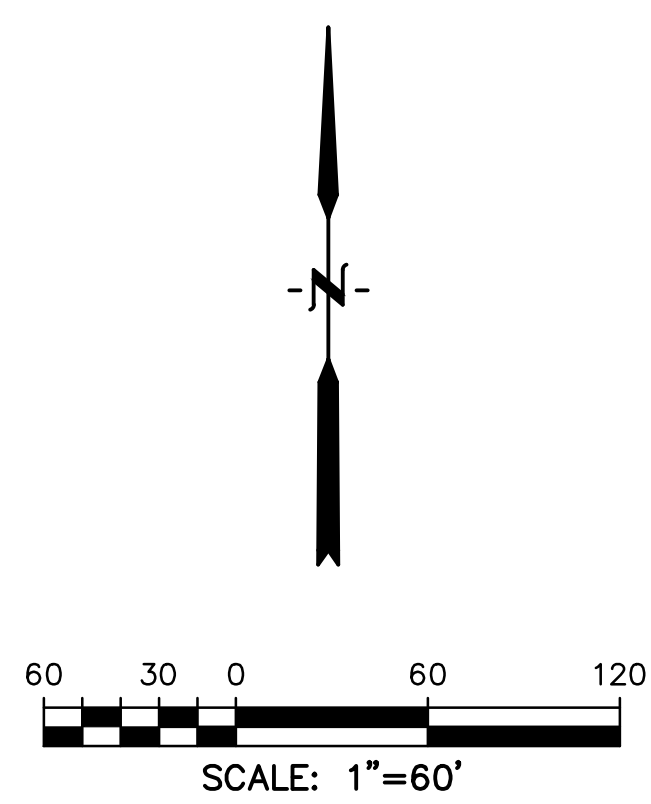
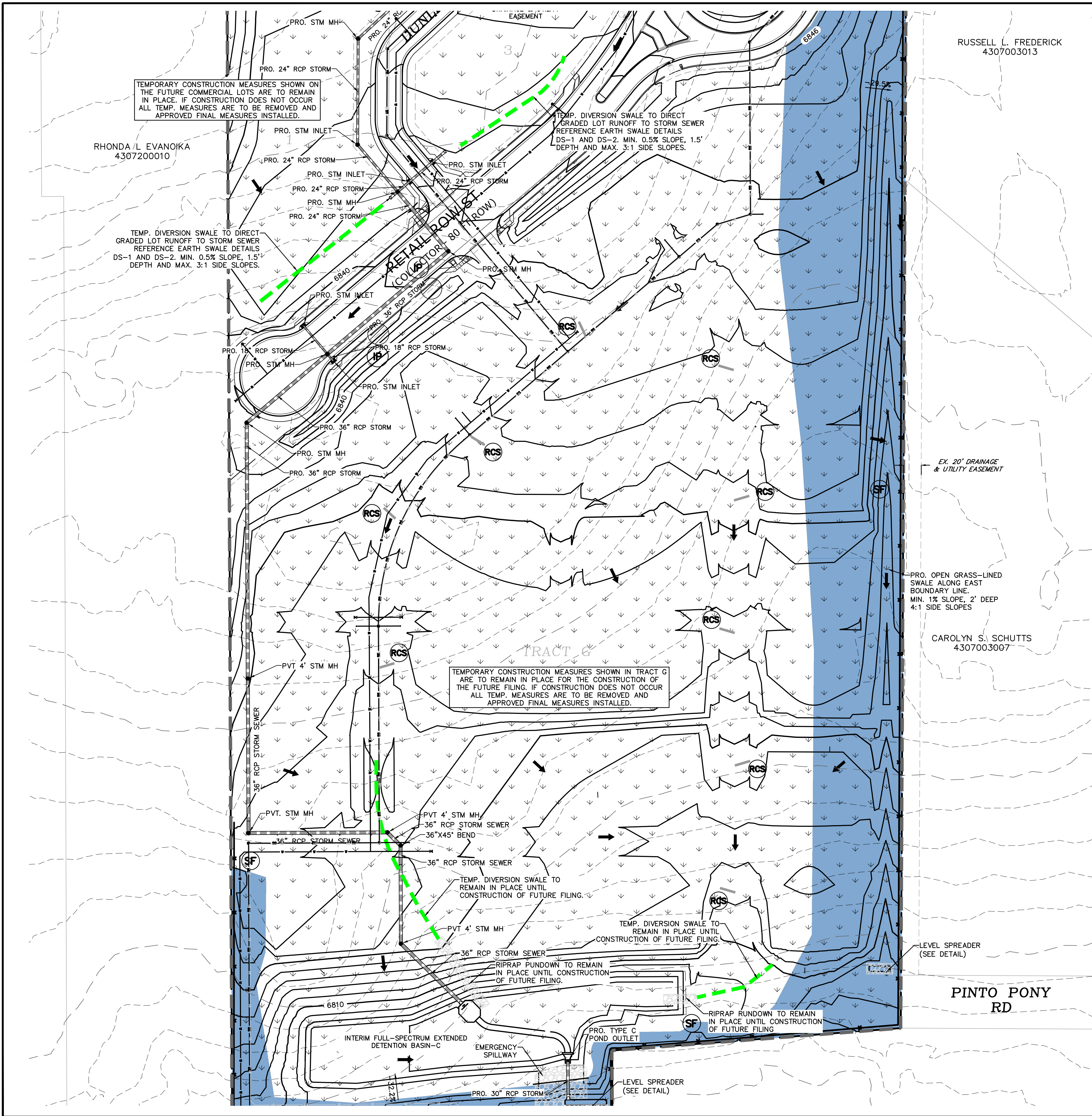
DRAWING SCALE:
HORIZONTAL: 1" = 60'
VERTICAL: N/A

FINAL EROSION CONTROL PLAN

PROJECT NO. 21604-00CCSV
DRAWING NO.

EC-7

SHEET: 8 OF 19



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.....

INITIAL/INTERIM SILT FENCE..... (TO REMAIN ON FUTURE LOTS/FILINGS)

INITIAL/INTERIM INLET PROTECTION..... (TO REMAIN ON FUTURE LOTS/FILINGS)

INITIAL/INTERIM TEMPORARY SEDIMENT BASIN . (TO REMAIN ON FUTURE FILINGS)

INITIAL/INTERIM ROUGH CUT STREET CONTROL. (TO REMAIN ON FUTURE FILINGS)

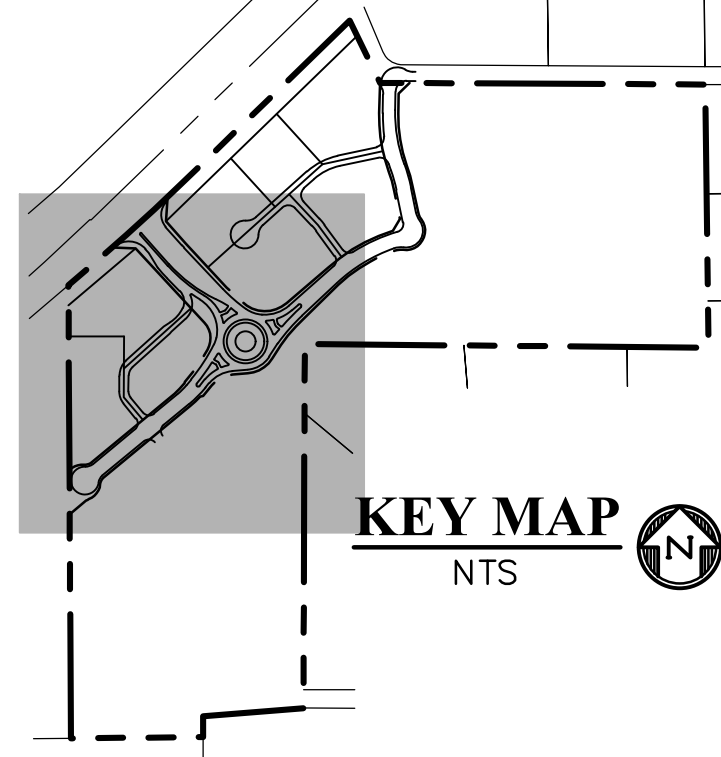
FINAL SEEDING AND MULCHING.....

ECM EXCLUSION 1.6.1.B.2 (2) EXCLUDED ROADWAY DEVELOPMENT

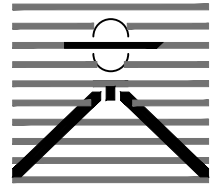
ECM EXCLUSION 1.6.1.B.8 STREAM STABILIZATION

SELF TREATING SPA

- 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 SAIWATCH ST. #100
COLORADO SPGS, COLORADO 80903
CONTACT: TIM D. McCONNELL, P.E.
(719) 476-0800
COLORADO SPRINGS • LAFAYETTE

CLIENT:

PT 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: 21604-01FEC5-8

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

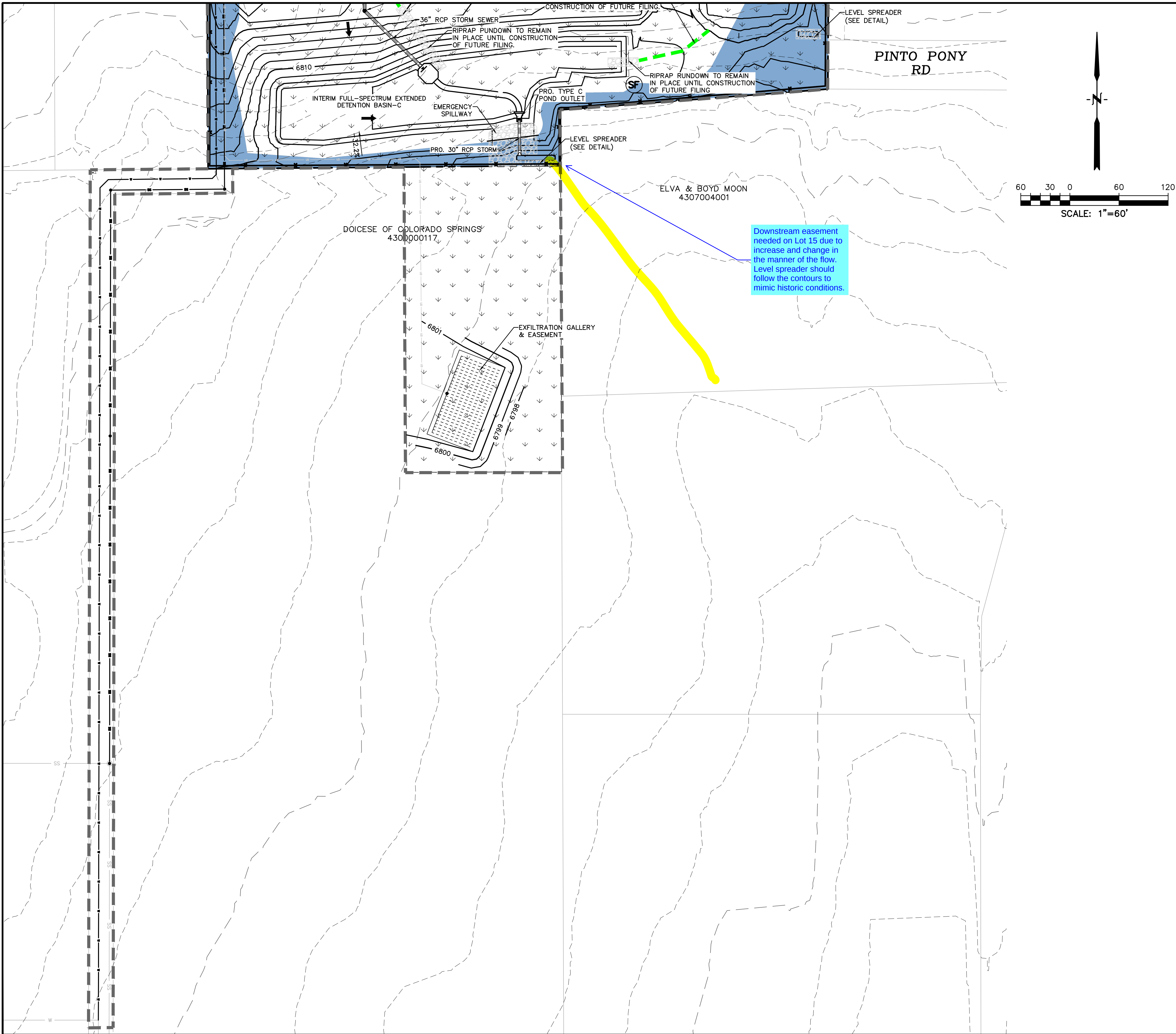
PROJECT NO. 21604-00SCV
DRAWING NO.

EC-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



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.....

INITIAL/INTERIM SILT FENCE.....(TO REMAIN ON FUTURE LOTS/FILINGS)

INITIAL/INTERIM INLET PROTECTION.....(TO REMAIN ON FUTURE LOTS/FILINGS)

INITIAL/INTERIM TEMPORARY SEDIMENT BASIN.....(TO REMAIN ON FUTURE FILINGS)

INITIAL/INTERIM ROUGH OUT STREET CONTROL.....(TO REMAIN ON FUTURE FILINGS)

FINAL SEEDING AND MULCHING.....

ECM EXCLUSION I.6.1.B.2 (2) EXCLUDED ROADWAY DEVELOPMENT

ECM EXCLUSION I.6.1.B.8 STREAM STABILIZATION

SELF TREATING SPA

- NOTES:
1. OVERLOT GRADING WILL OCCUR ACROSS THE ENTIRETY OF THE SITE.

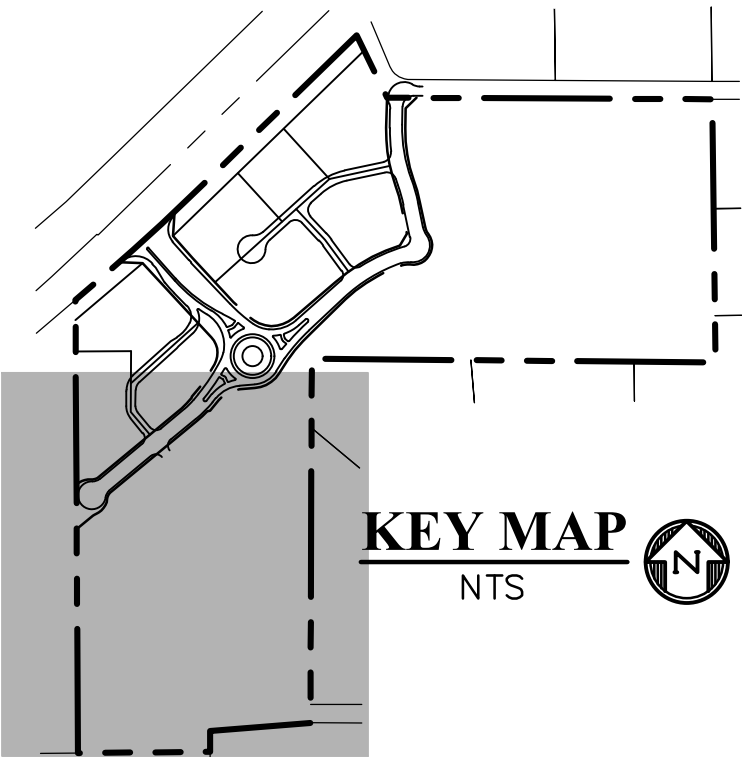
2. WASTE DISPOSAL BIN LOCATIONS ARE TBD AND WILL BE ADDED TO THE SWMP ONCE DETERMINED BY THE CONTRACTOR.

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.

4. NO BATCH PLANTS WILL BE UTILIZED ONSITE.

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

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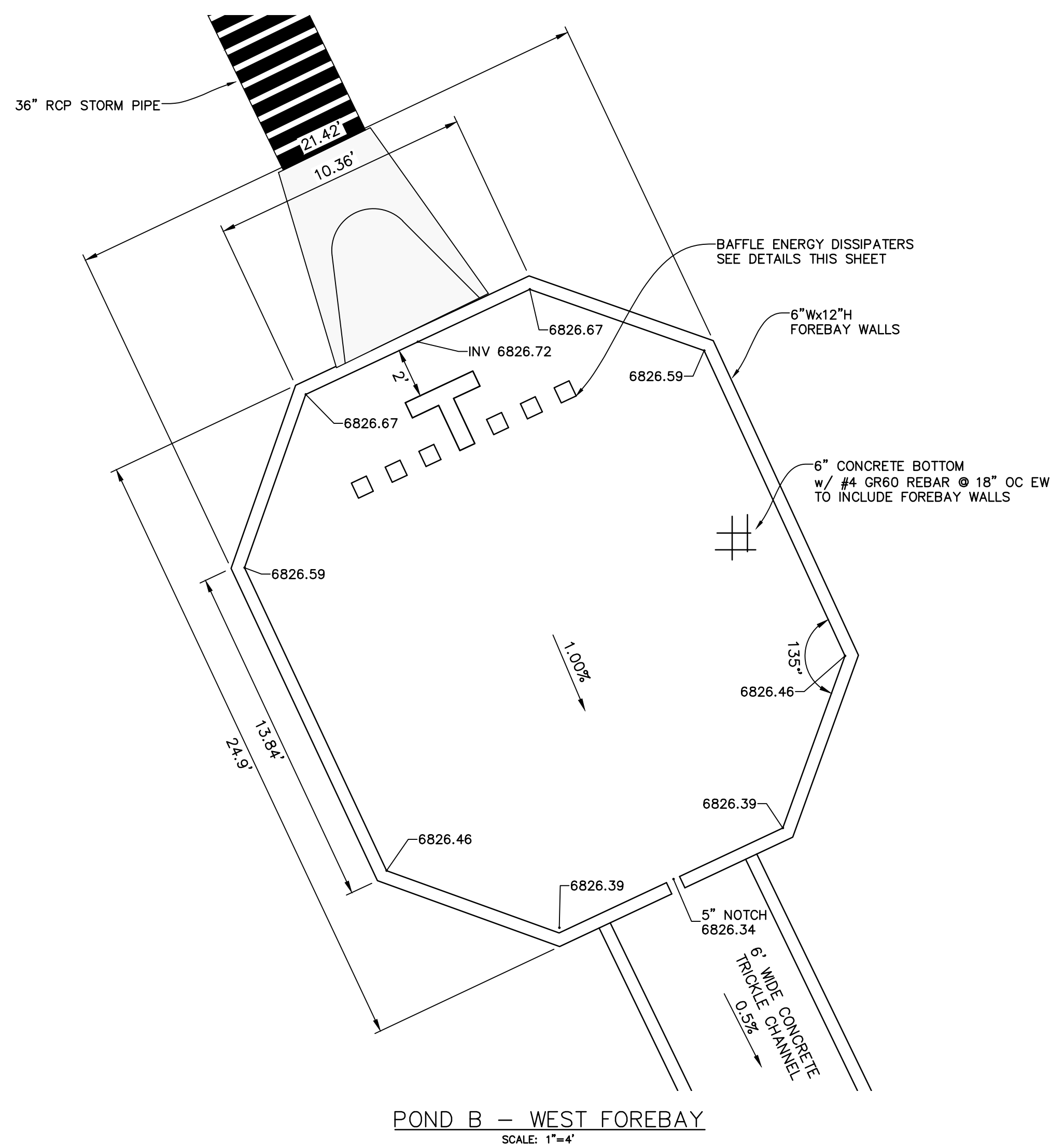
GRADING AND EROSION CONTROL PLANS FOR:

THE COMMONS AT FALCON

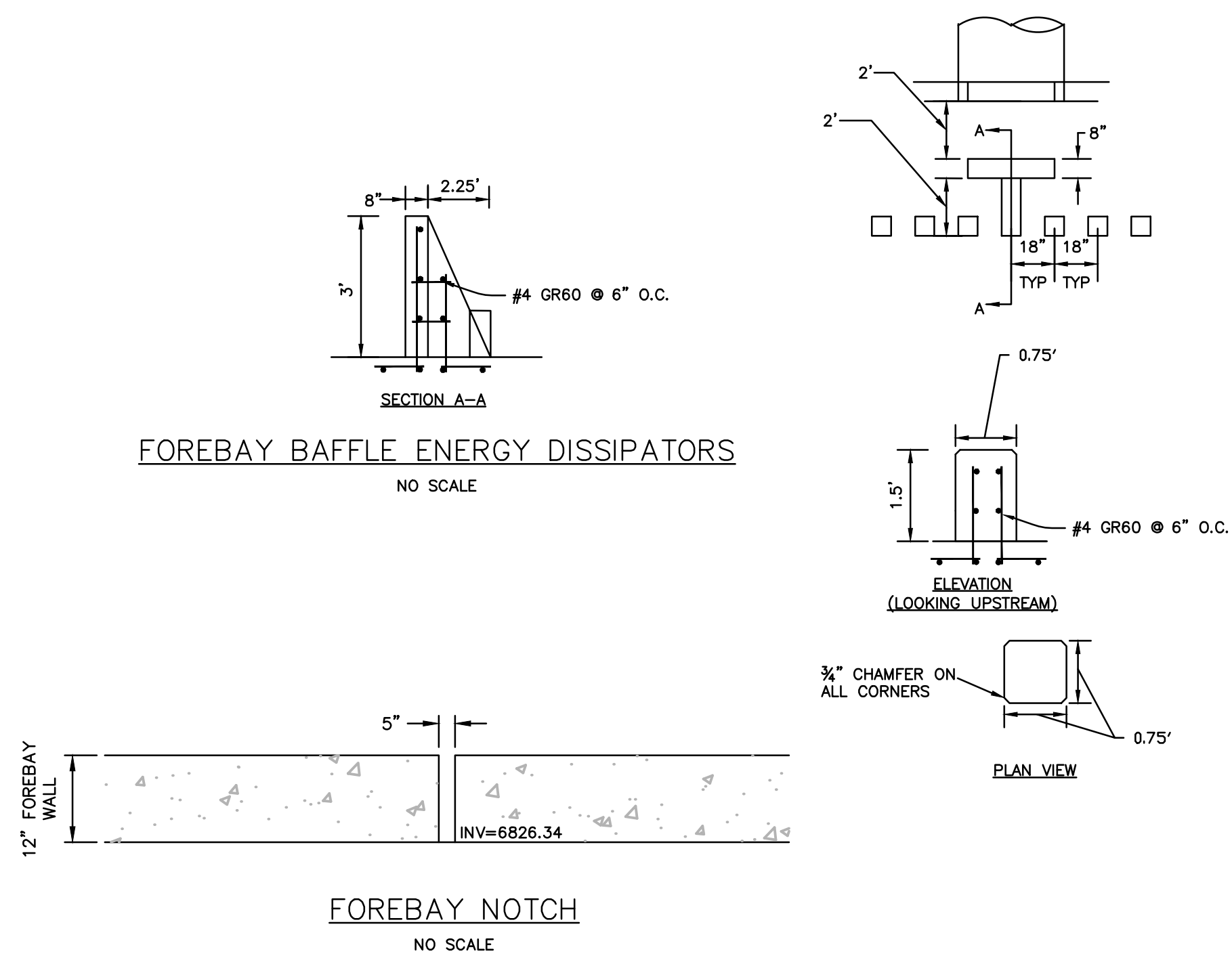
FIELD - FILING NO. 1

12445 RIO LANE, AND VACANT LAND
PEYTON, EL PASO COUNTY, COLORADO

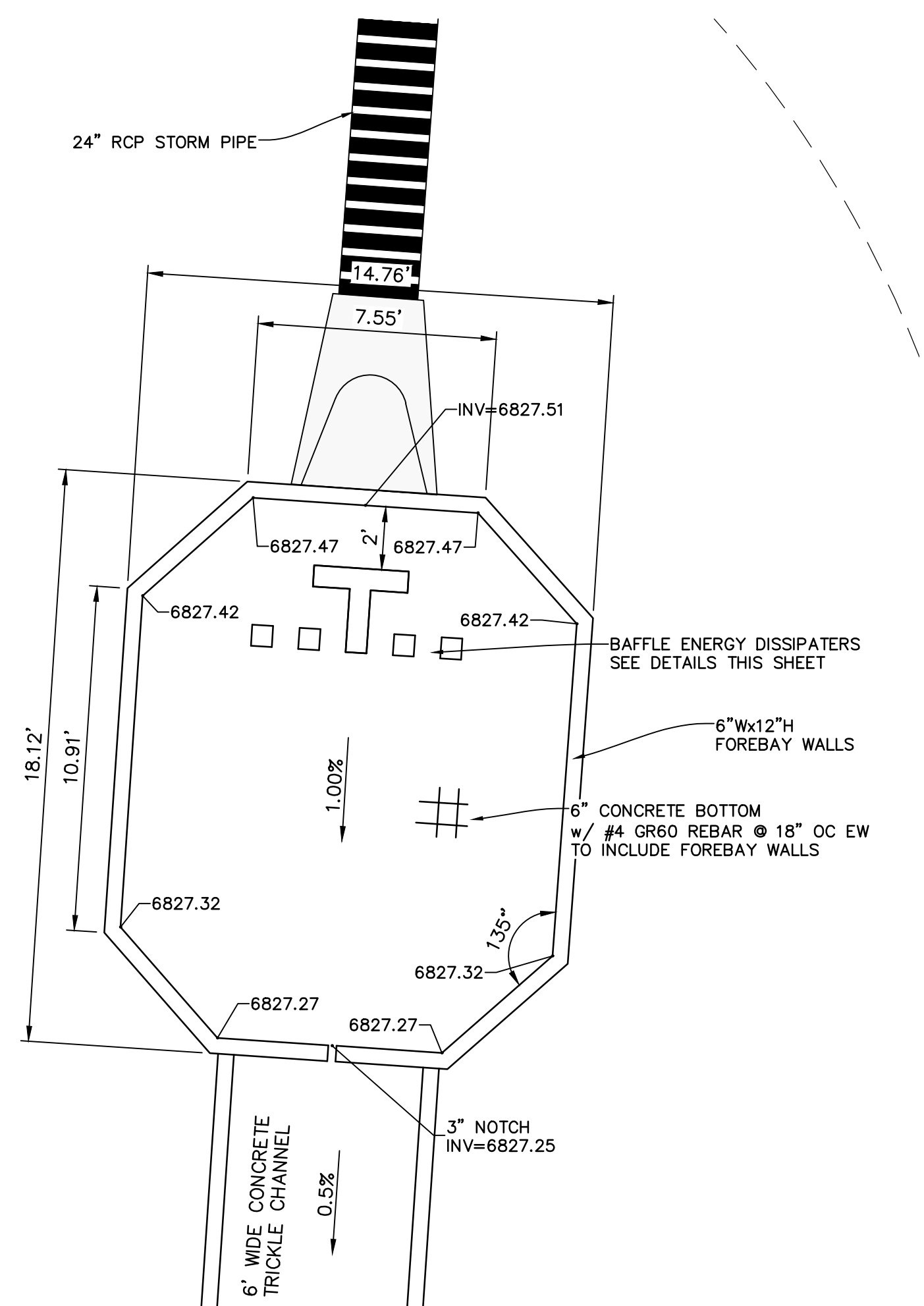
ISSUE	DATE
INITIAL ISSUE	12/13/24
RESUBMITTAL	3/13/26
DESIGNED BY:	KGV
DRAWN BY:	CGH
CHECKED BY:	TDM
FILE NAME:	21604-01FEC5-B
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.	
DRAWING SCALE: HORIZONTAL: 1" = 60' VERTICAL: N/A	
FINAL EROSION CONTROL PLAN	
PROJECT NO. 21604-00CSCV	
DRAWING NO.	
EC-9	
SHEET:10 OF 19	



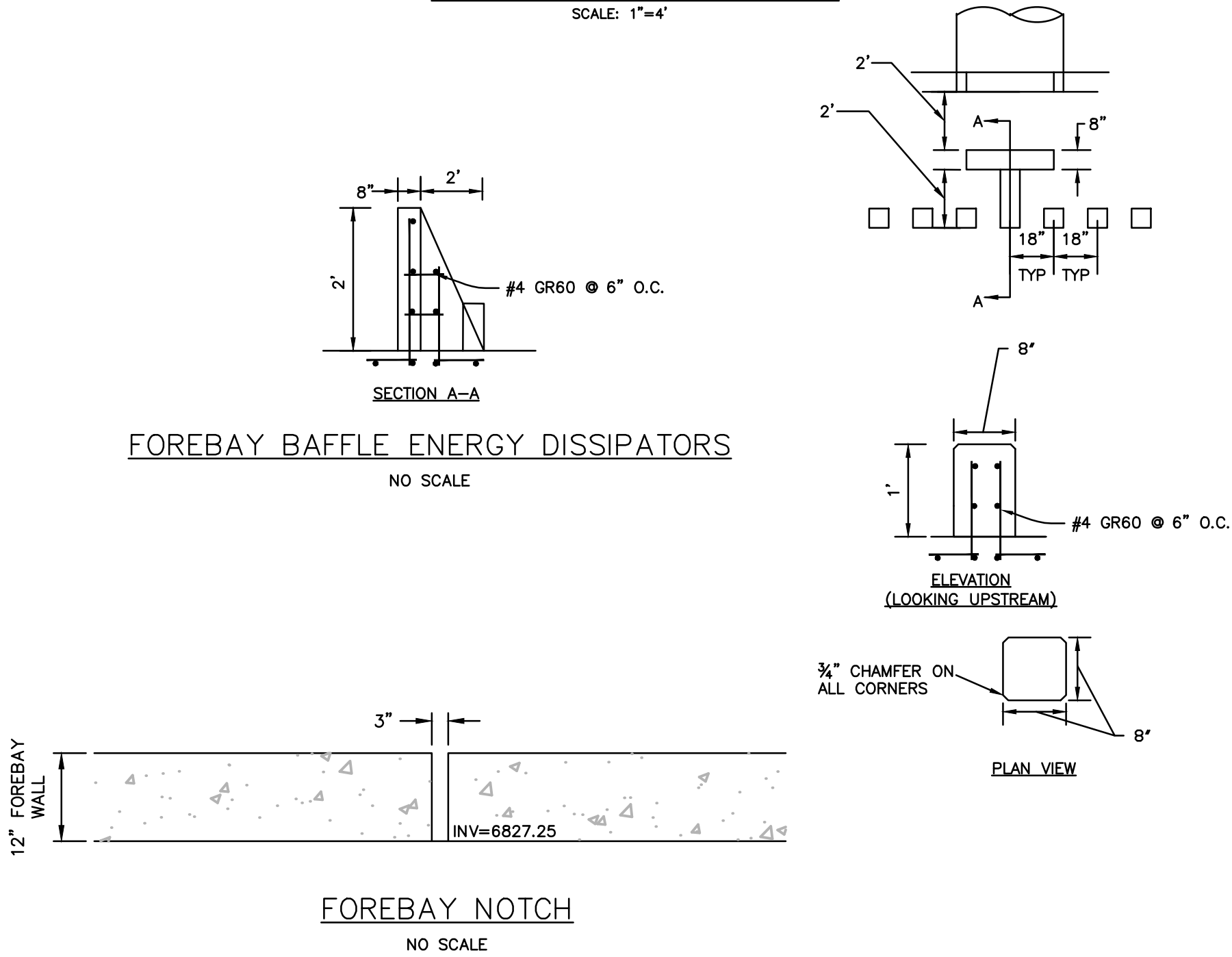
POND B - WEST FOREBAY
SCALE: 1"=4'



WESTERN FOREBAY DETAILS



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



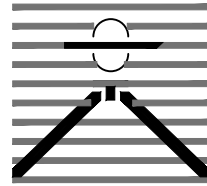
EASTERN FOREBAY DETAILS



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EXCAVATE FOR THE MARKING OF
UNDERGROUND MEMBER UTILITIES.

EPC FILE NO.: SF2435

PREPARED BY:



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CLIENT:

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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

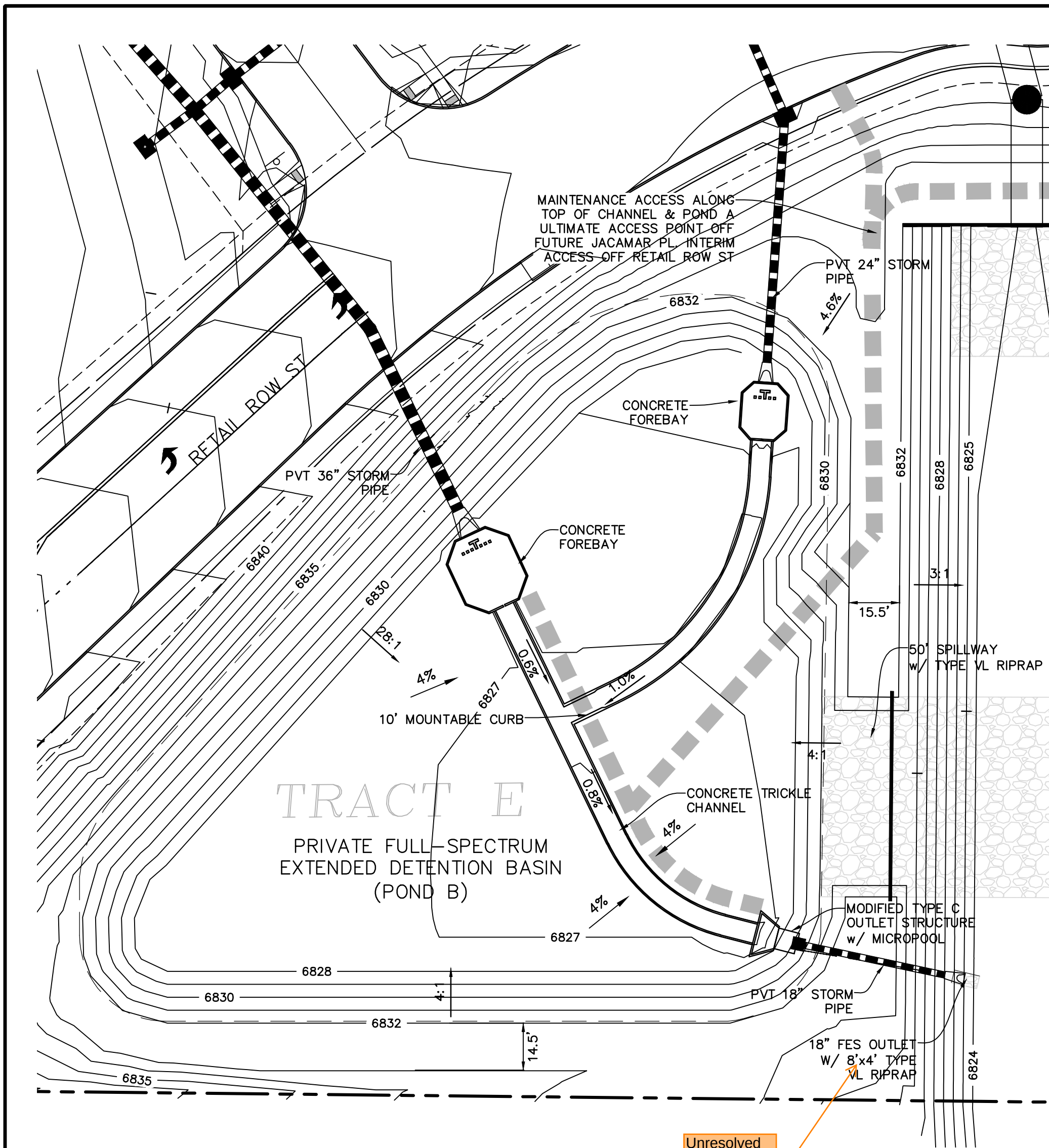
POND B FOREBAY DETAILS

PROJECT NO. 21604-00CSCV

DRAWING NO.

PD-1

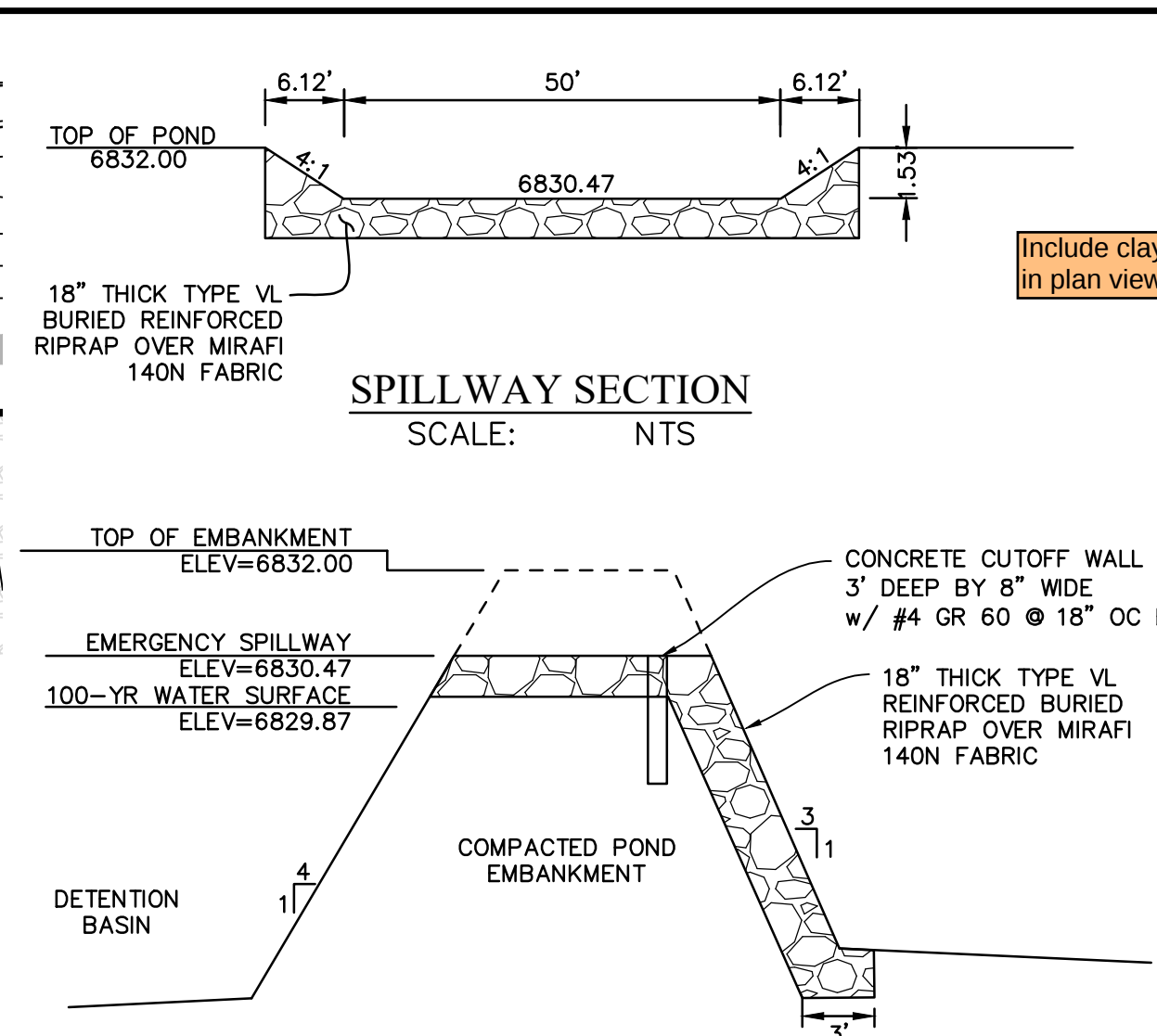
SHEET: 11 OF 19



Please provide details for the incorporation of the clay liner at the proposed ponds as it is not certain the underdrain system will mitigate the ground water issues.

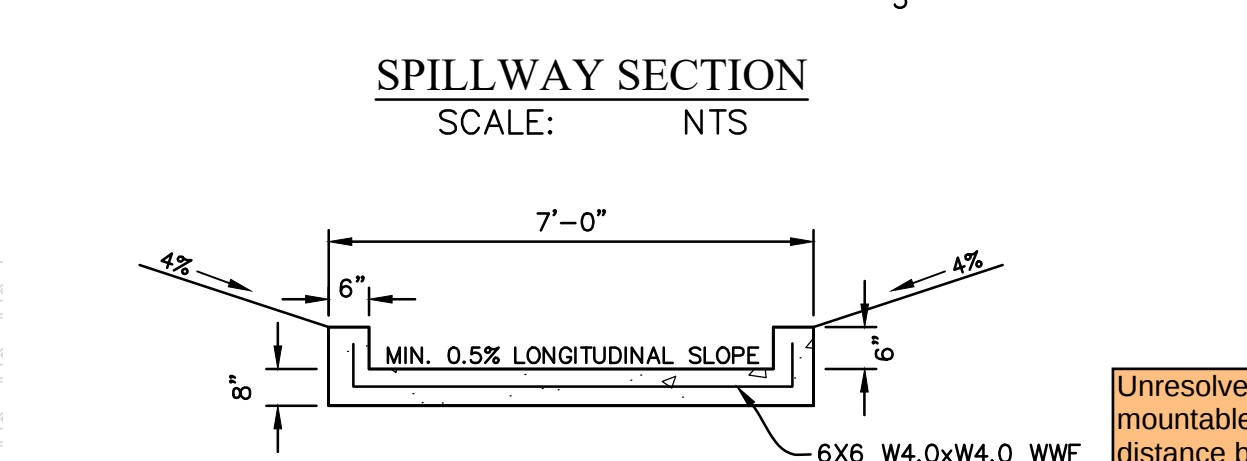
POND B PLAN VIEW
SCALE: 1"=30'

Unresolved include depth

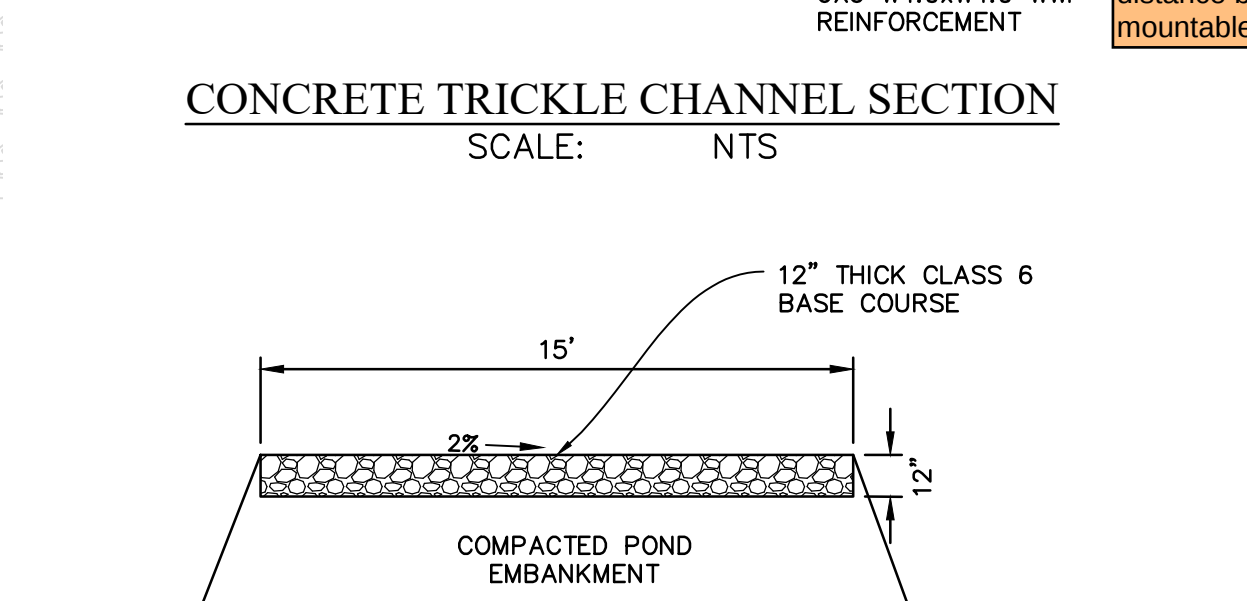


SPILLWAY SECTION
SCALE: NTS

Include clay liner details for both ponds in plan view and the details.



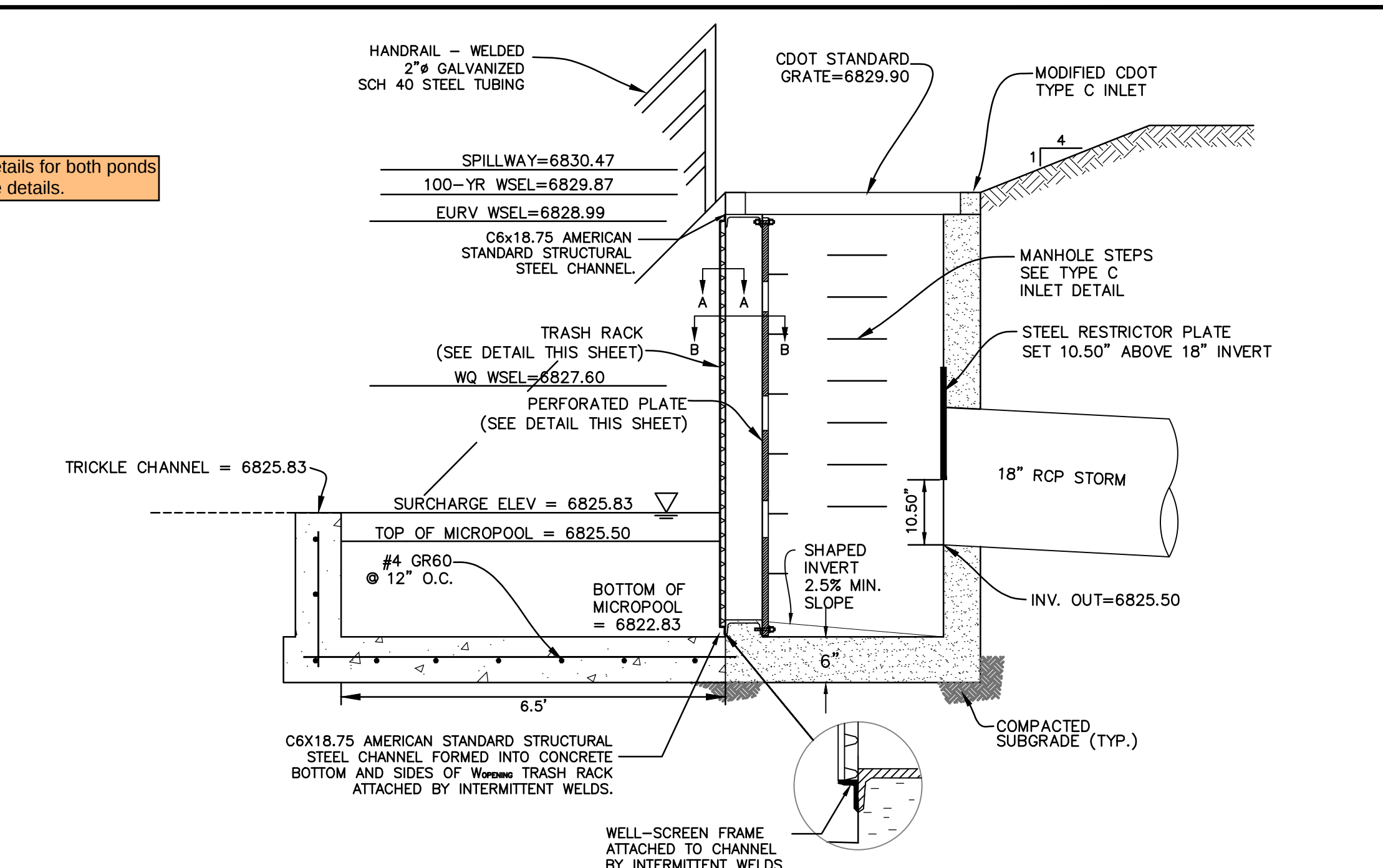
SPILLWAY SECTION
SCALE: NTS



CONCRETE TRICKLE CHANNEL SECTION
SCALE: NTS



MAINTENANCE ROAD SECTION
SCALE: NTS



POND OUTLET PROFILE SECTION C-C
SCALE: NTS

PERFORATED PLATE NOTES:

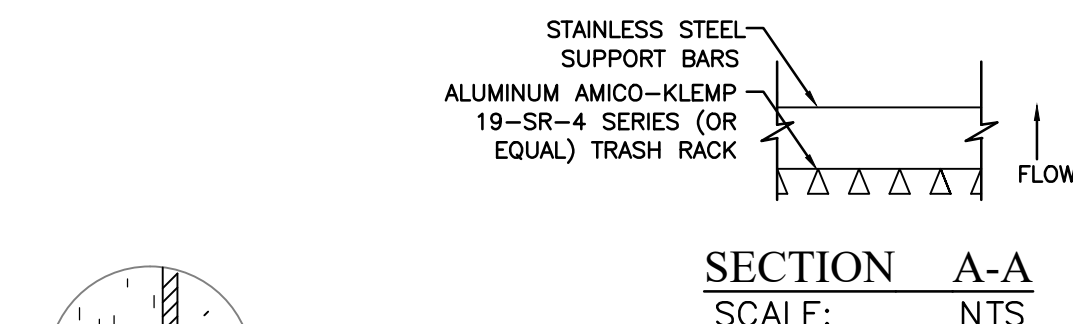
1. THE GASKET SHALL BE MADE OF 1/2" THICK, 60 DUROMETER EPDM RUBBER IN A CONTINUOUS SHEET THE SIZE OF THE ORIFICE PLATE. THE SHEET SHALL BE PLACED BETWEEN THE ORIFICE PLATE AND THE CONCRETE WALL, WITH THE WIDTH OF THE OVERLAP BETWEEN THE PLATE AND THE CONCRETE. OPENINGS SHALL BE CUT INTO THE SHEET CORRESPONDING 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.

WQCV TRASH RACKS:

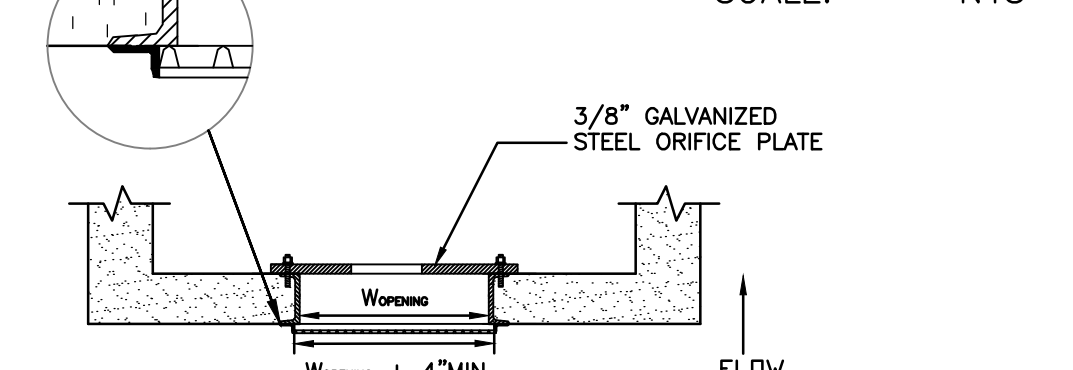
1. TRASH RACKS SHALL BE STAINLESS STEEL OR ALUMINUM AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.

GENERAL NOTES:

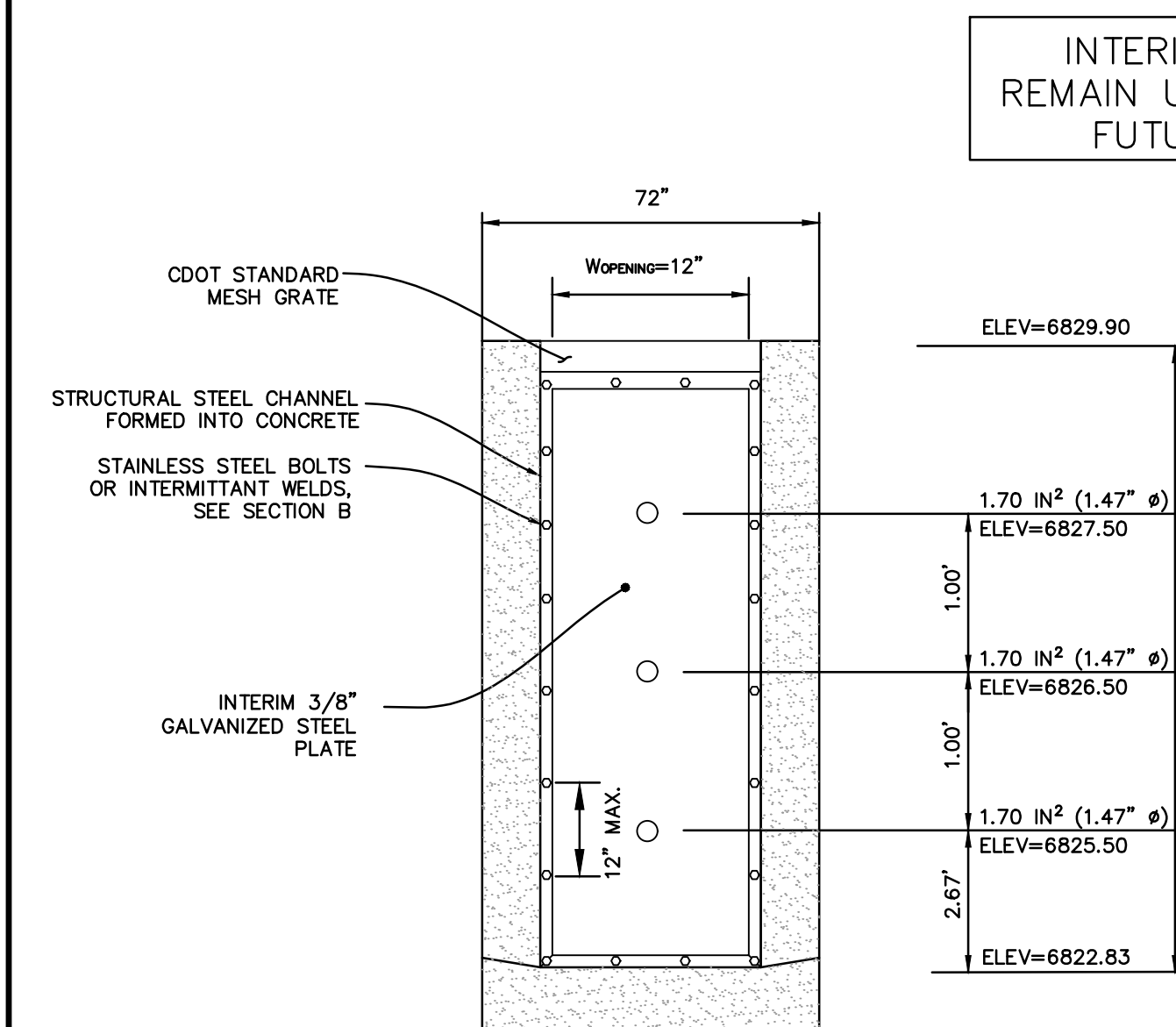
1. ALL EXTERIOR STEEL SHALL BE EITHER STAINLESS OR HOT DIPPED GALVANIZED



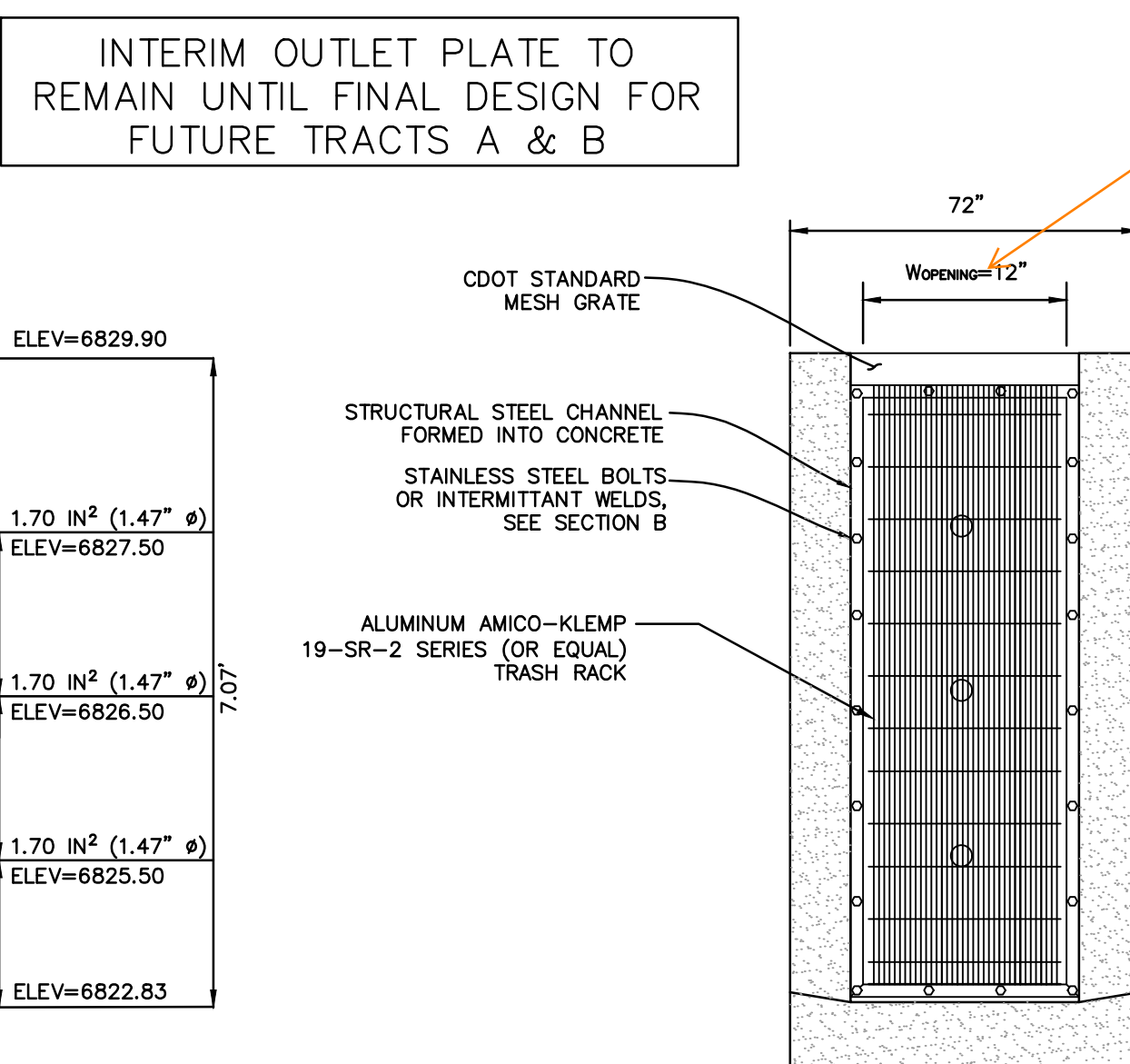
SECTION A-A
SCALE: NTS



SECTION B-B
SCALE: NTS

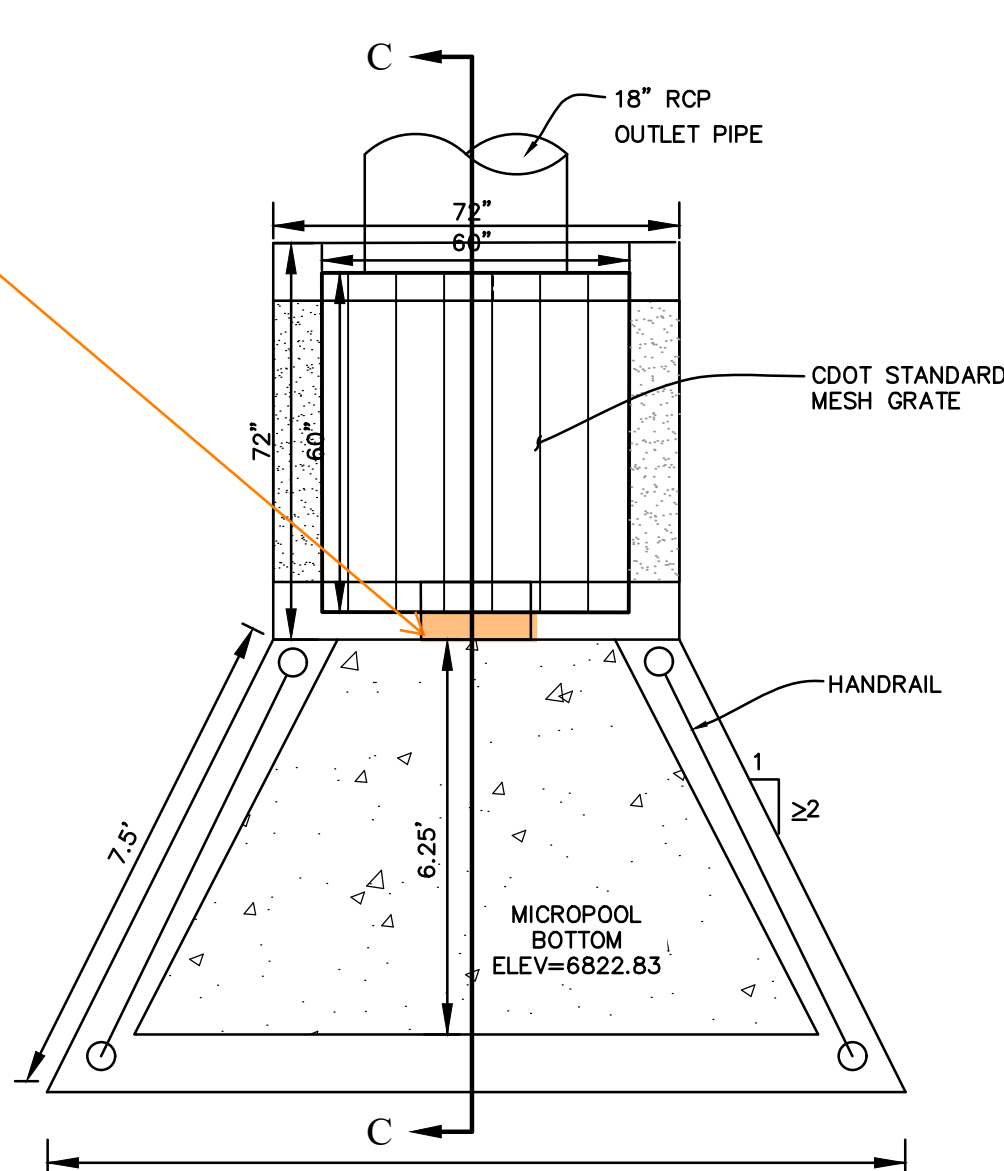


ELEVATION INTERIM PERFORATED PLATE DETAIL
SCALE: NTS

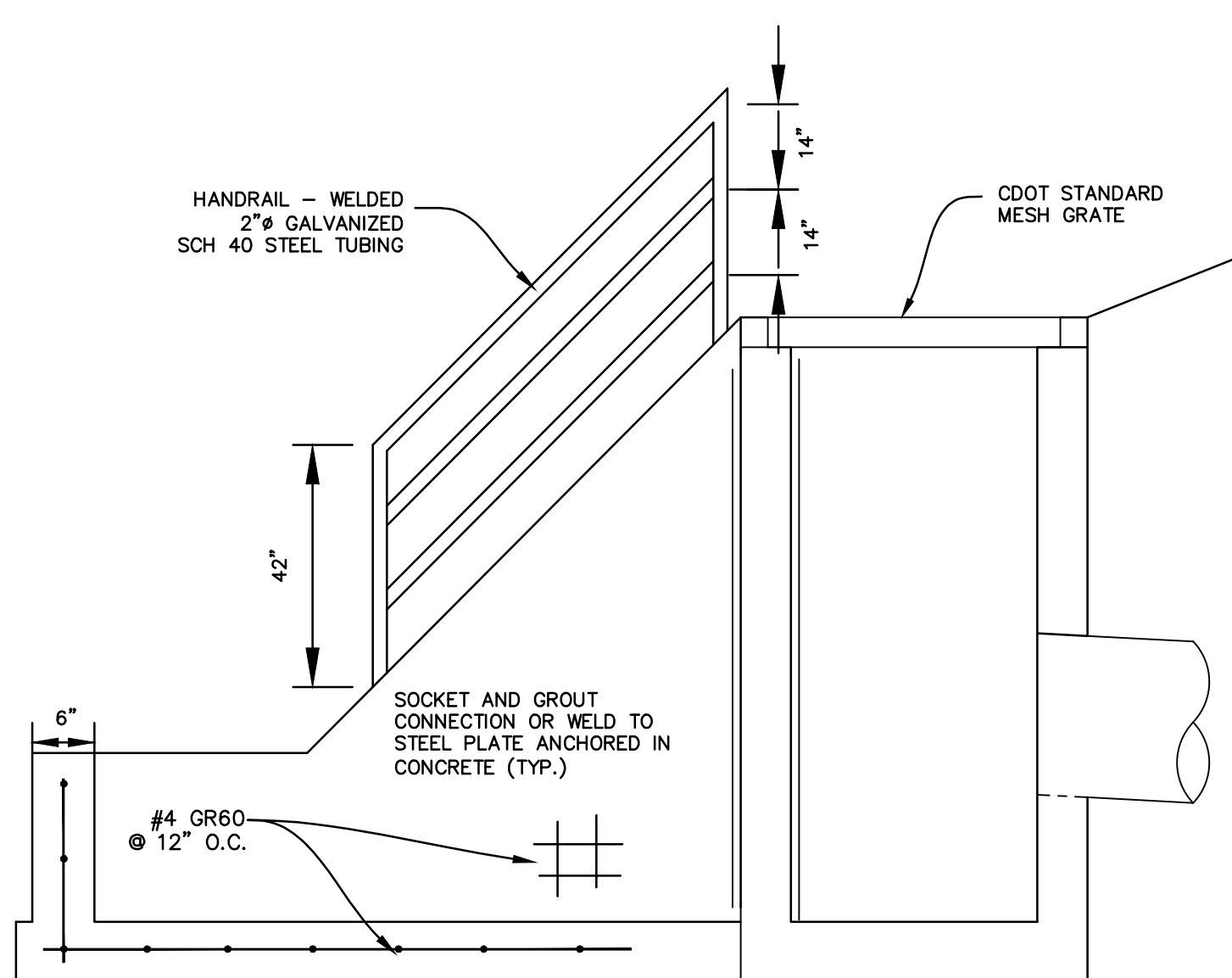


ELEVATION TRASH RACK
SCALE: NTS

Unresolved: Clarify what will cover this opening, concrete? Steel plate? There shouldn't be an open gap at the top of the outlet structure
The grate will cover some of the opening but not all



MICROPOOL PLAN
SCALE: NTS



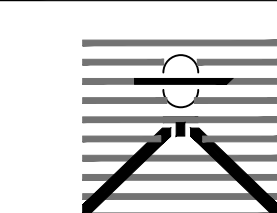
SECTION C-C
SCALE: NTS



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EPC FILE NO.: SF2435

PREPARED BY:



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CONTACT: TIM D. MCCONNELL, P.E.
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CLIENT:

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GRADING AND EROSION CONTROL PLANS FOR:
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RESUBMITTAL	3/13/26

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

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DREXEL, BARRELL & CO.

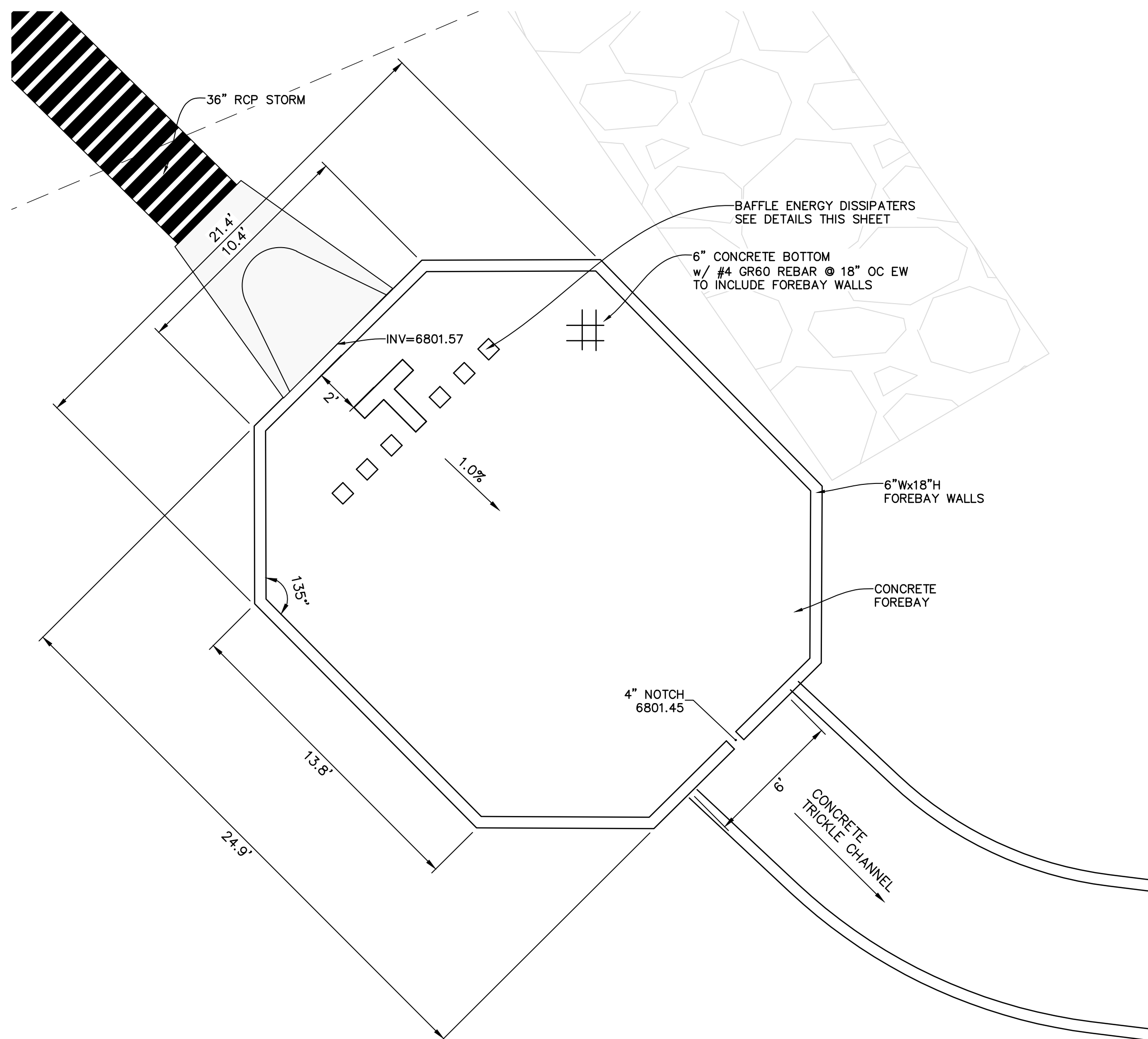
DRAWING SCALE:
HORIZONTAL: N/A
VERTICAL: N/A

INTERIM
POND B
OUTLET DETAILS

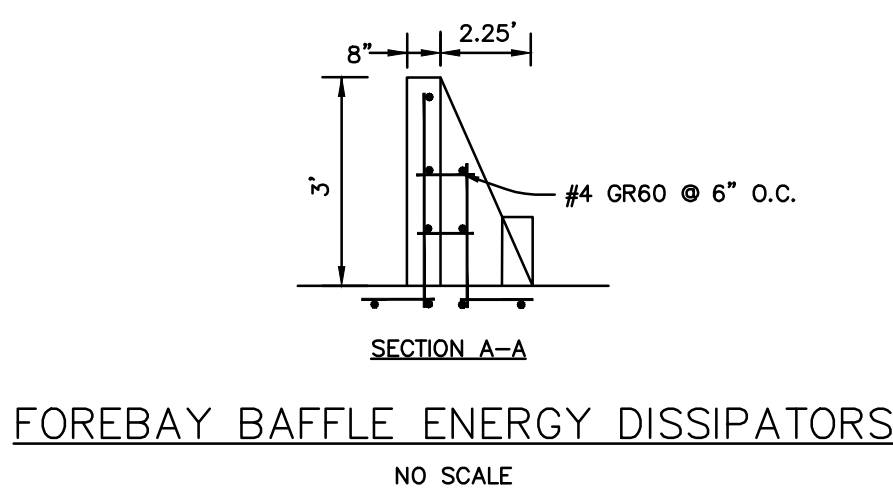
PROJECT NO. 21604-00CSCV
DRAWING NO.

PD-2

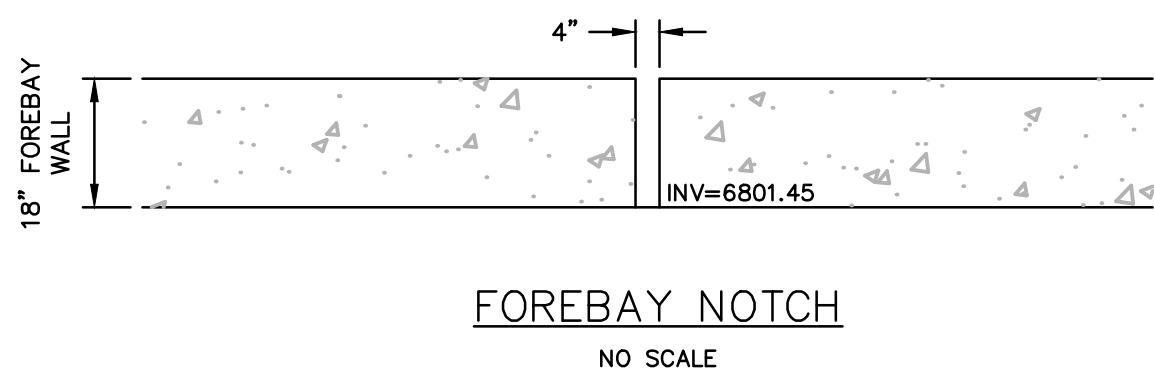
SHEET:12 OF 19



NORTH FOREBAY PLAN VIEW
SCALE: 1"=4'

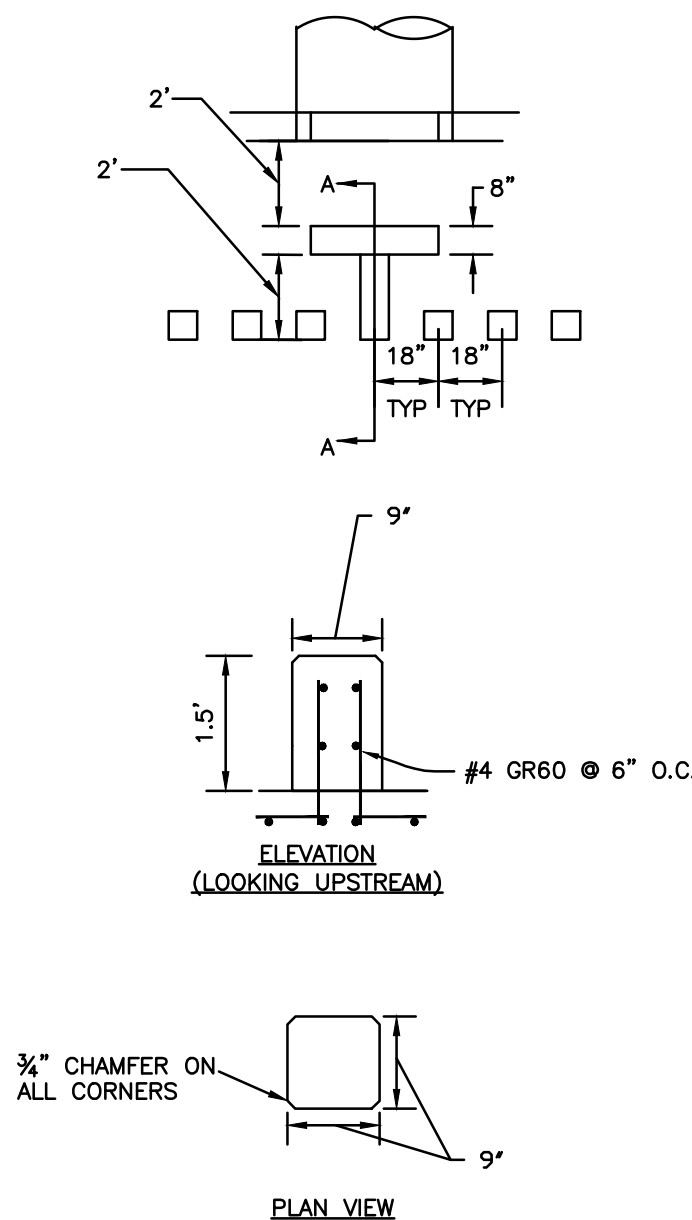


FOREBAY BAFFLE ENERGY DISSIPATORS
NO SCALE



FOREBAY NOTCH
NO SCALE

NORTH FOREBAY DETAILS



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EPC FILE NO.: SF2435

PREPARED BY:

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SUPERVISION FOR AND ON
BEHALF OF
DREXEL, BARRELL & CO.

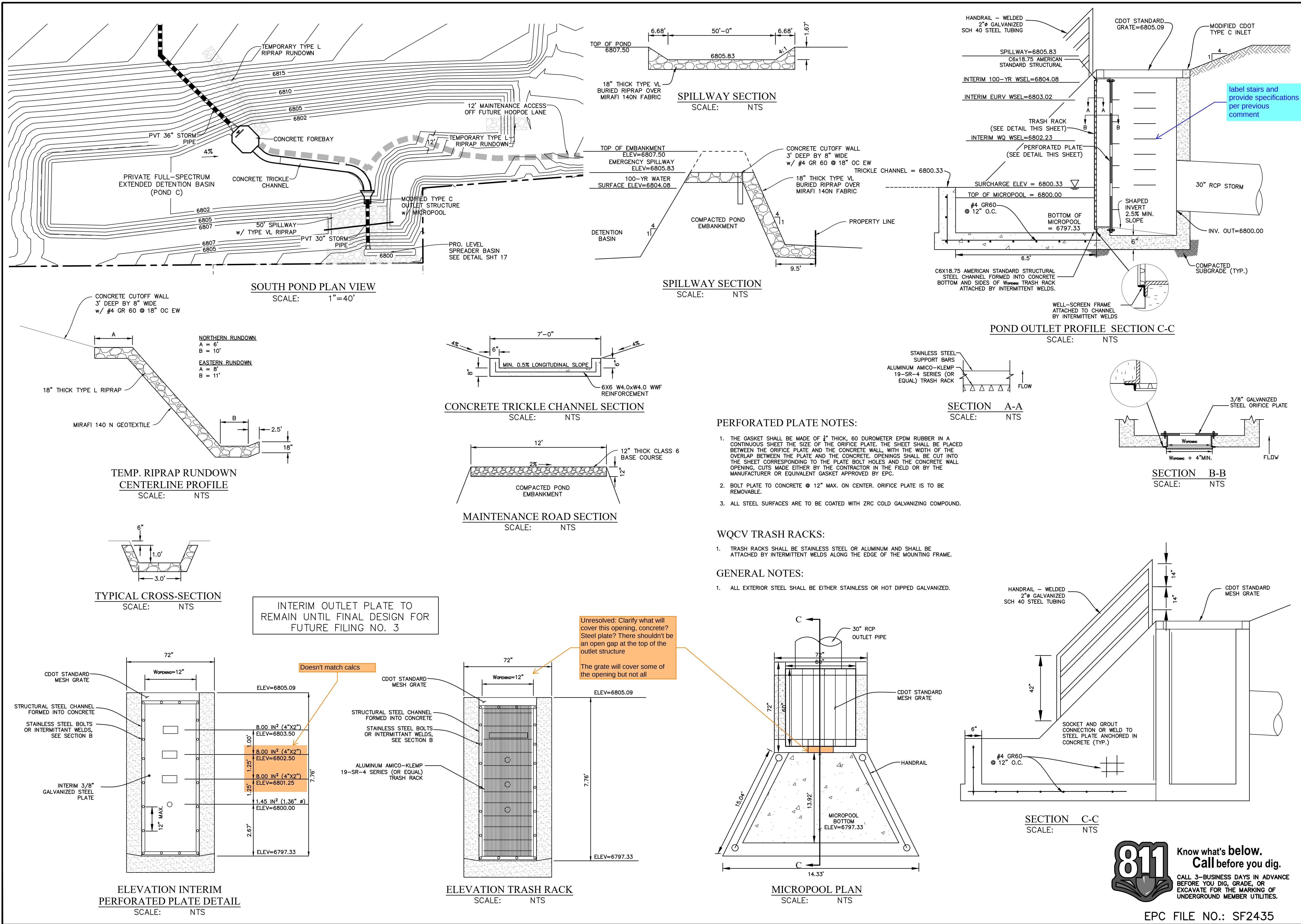
DRAWING SCALE:
HORIZONTAL: 1"=4'
VERTICAL: N/A

POND C
FOREBAY DETAILS

PROJECT NO. 21604-00CSCV
DRAWING NO.

PD-3

SHEET:13 OF 19



PREPARED BY:

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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 C OUTLET DETAILS

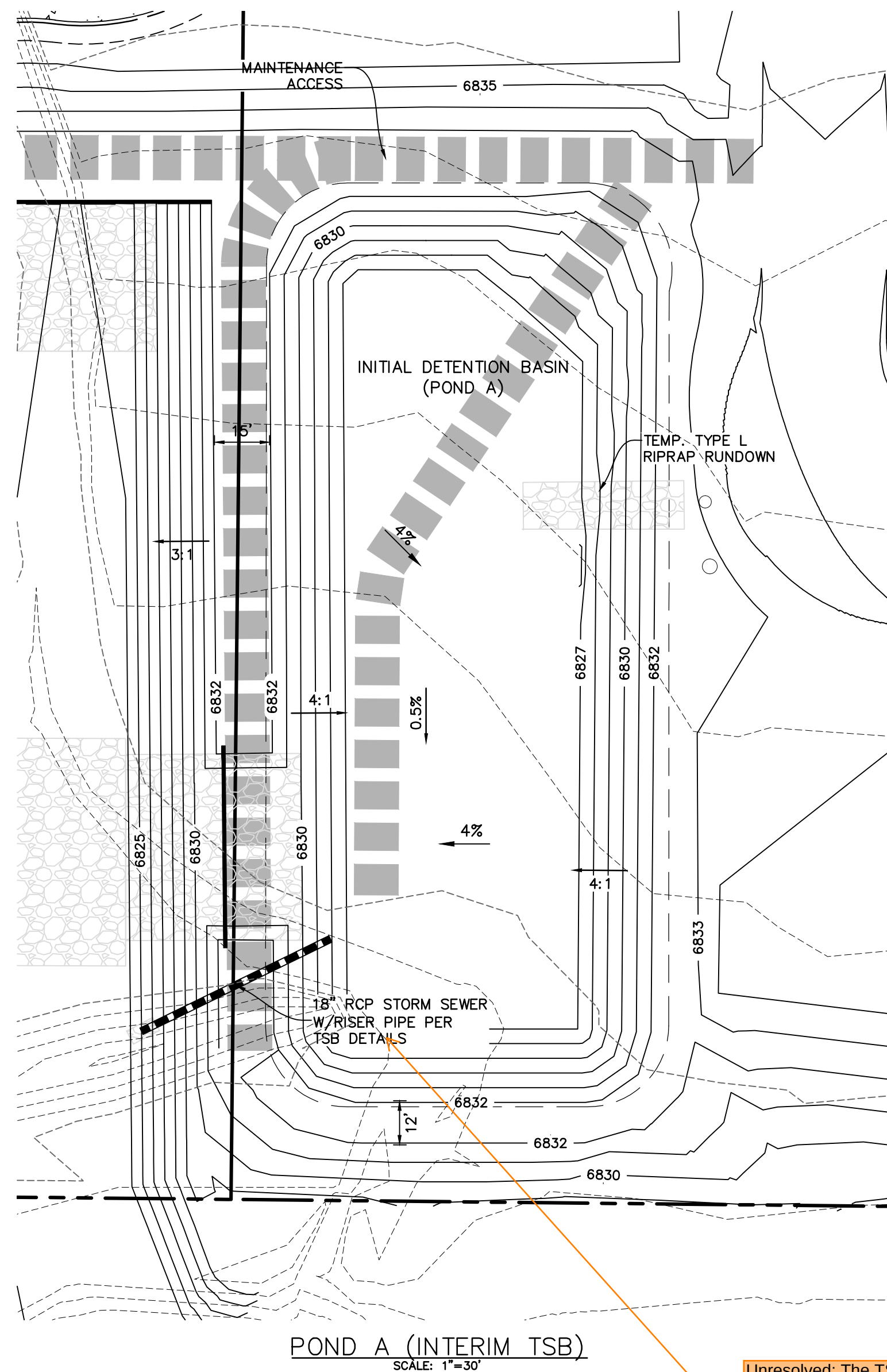
PROJECT NO. 21604-00CSCV
DRAWING NO.

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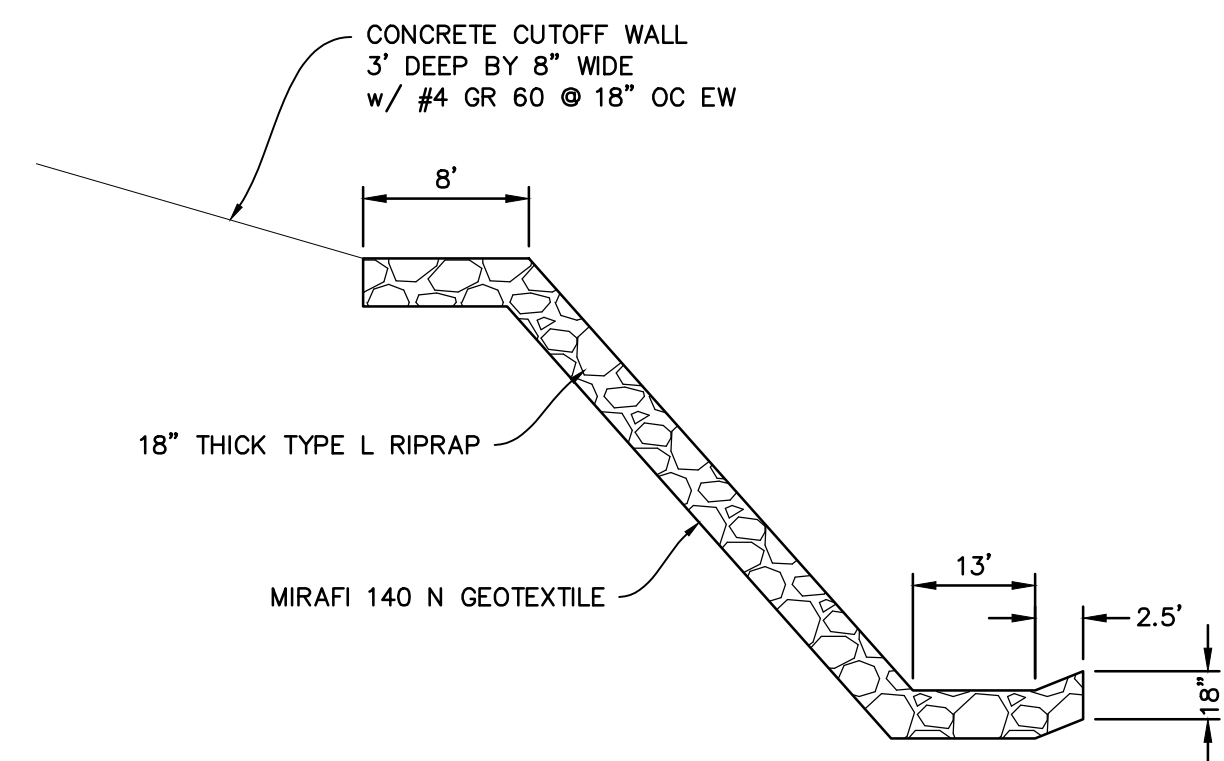
PD-4

SHEET:14 OF 19

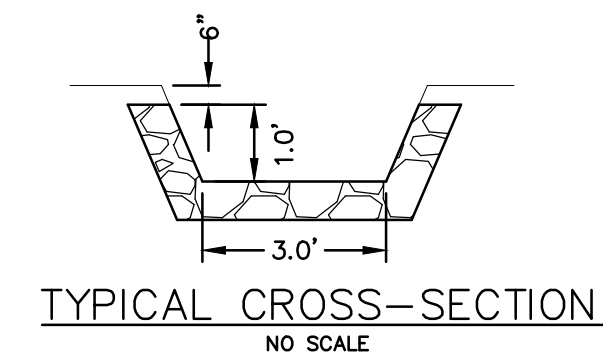
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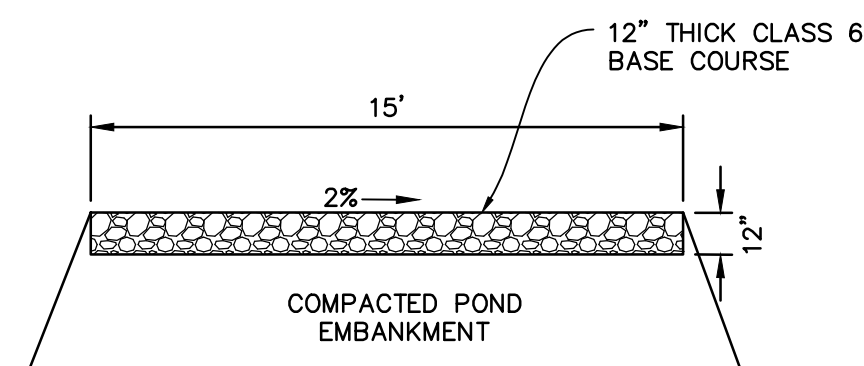
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TEMP. RIPRAP RUNDOWN
CENTERLINE PROFILE
NO SCALE

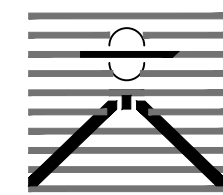


TYPICAL CROSS-SECTION
NO SCALE



MAINTENANCE ROAD SECTION
NO SCALE

PREPARED BY:



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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

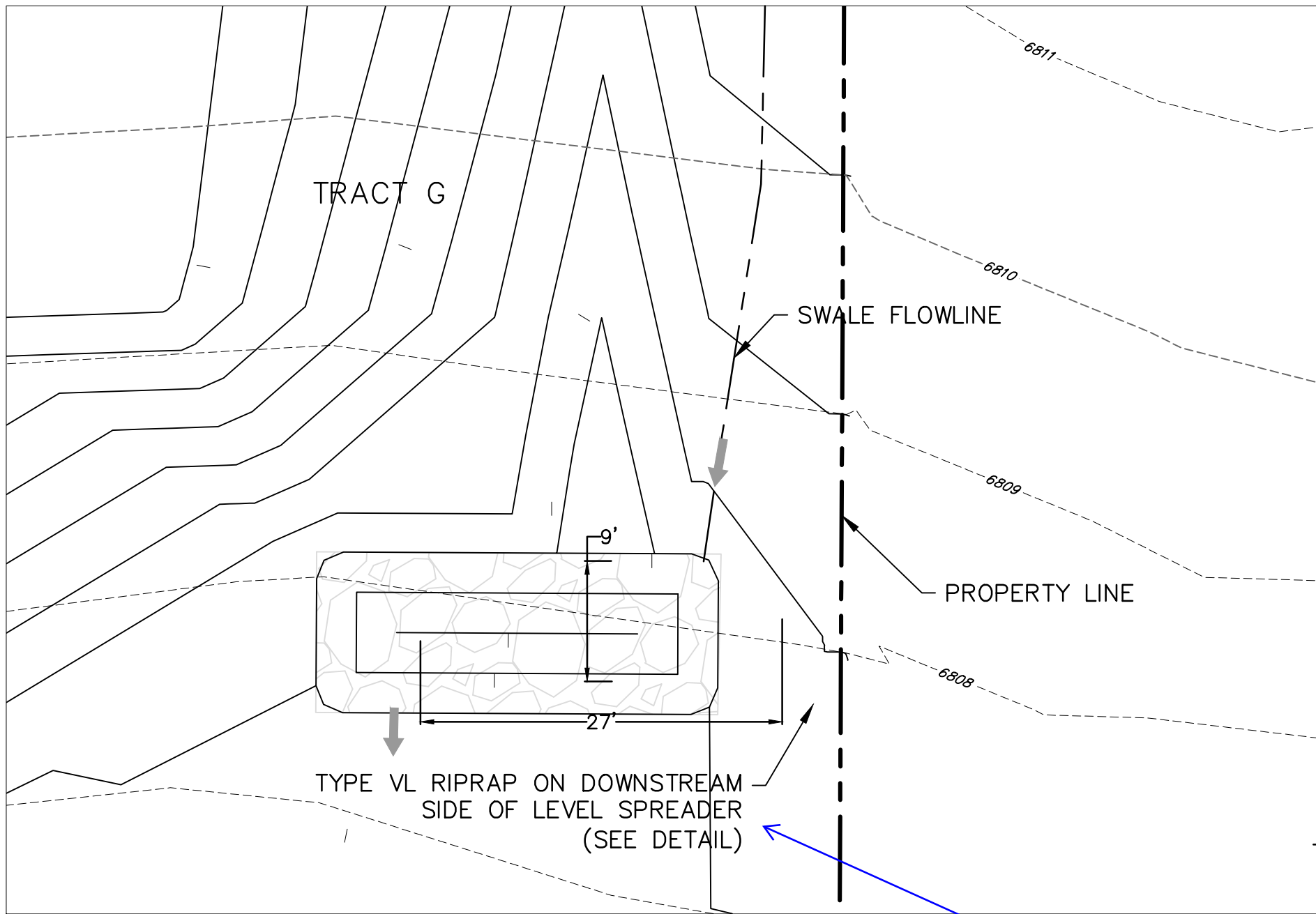
SHEET:15 OF 19



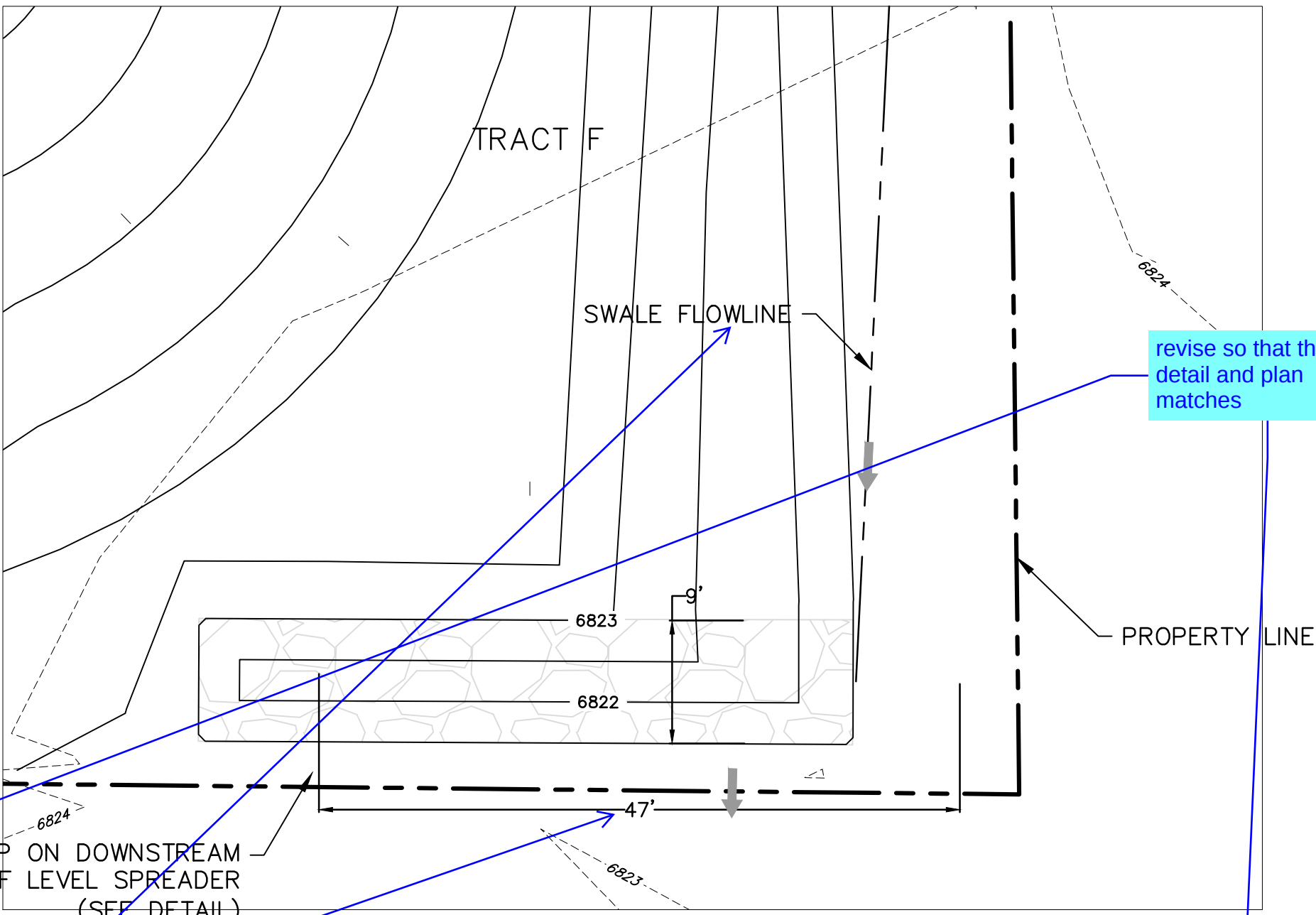
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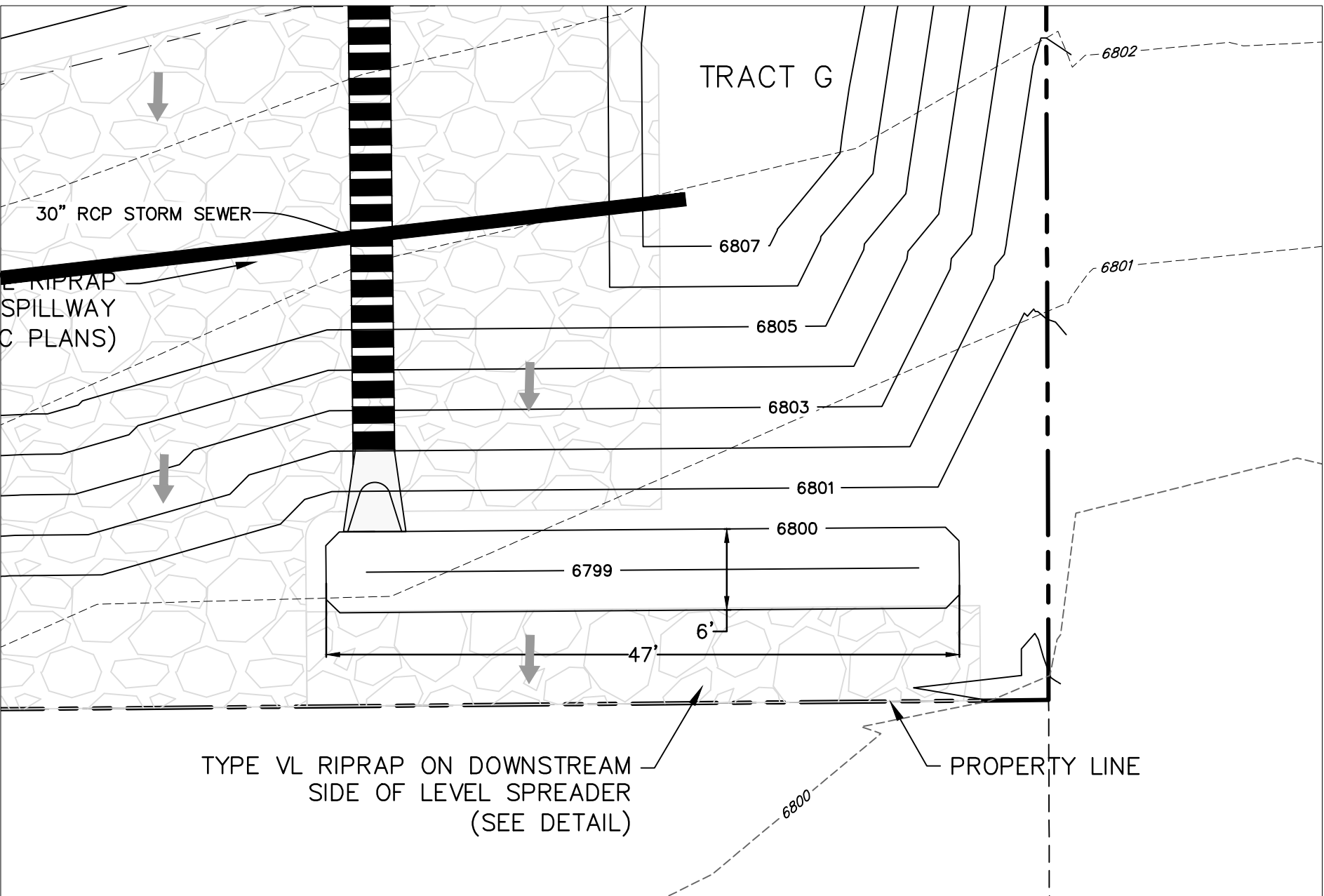
EPC FILE NO.: SF2435



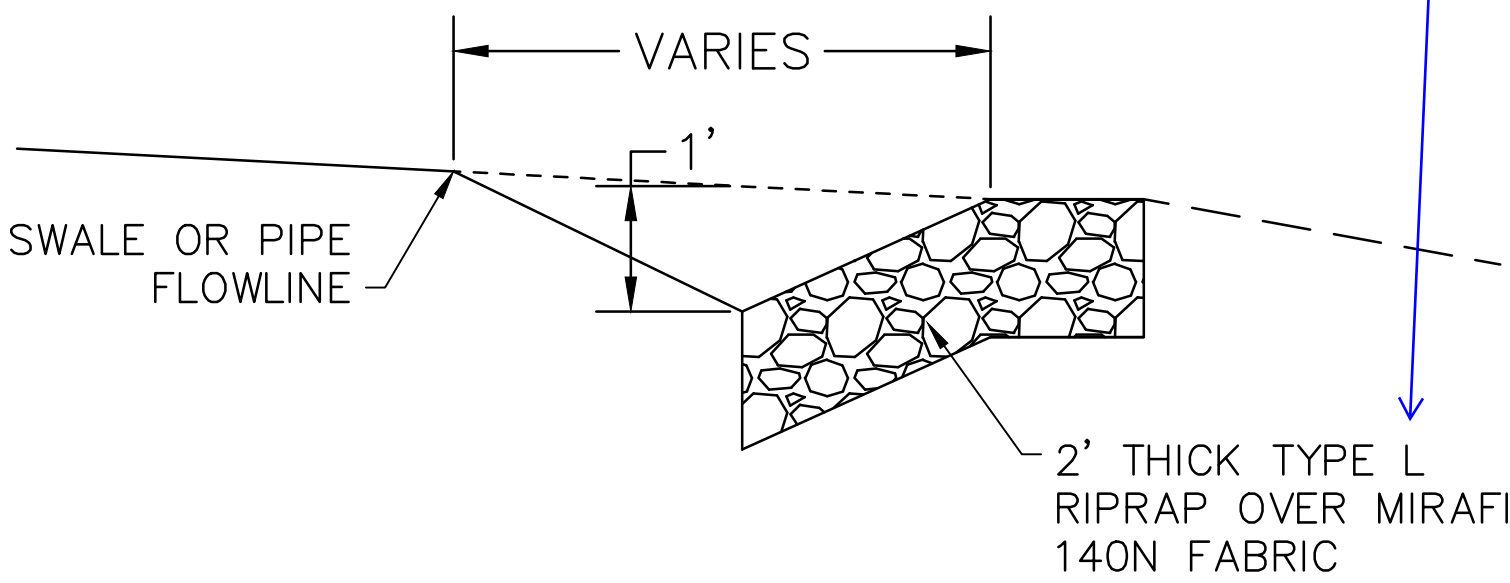
TRACT G EAST SWALE - LEVEL SPREADER
SCALE: 1"=10'



TRACT F EAST SWALE - LEVEL SPREADER
SCALE: 1"=10'

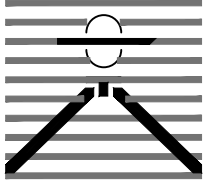


POND C OUTFALL - LEVEL SPREADER
SCALE: 1"=10'



LEVEL SPREADER SECTION
NTS

PREPARED BY:



DREXEL, BARRELL & CO.
Engineers • Surveyors
101 SAIWATCH ST. #100
COLORADO SPGS, COLORADO 80903
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PT FALCON FIELD, LLC

1864 WOODMOOR DR, SUITE 100
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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:	21604-01PND2

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

DRAWING SCALE:

HORIZONTAL: N/A
VERTICAL: N/A

LEVEL
SPREADER
DETAILS

PROJECT NO. 21604-00CSCV

DRAWING NO.

DT1

SHEET:16 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

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INITIAL ISSUE	12/13/24
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DESIGNED BY:	TDM
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CHECKED BY:	TDM
FILE NAME:	21604-01ECDT1-2
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.	
DRAWING SCALE: HORIZONTAL: N/A VERTICAL: N/A	
EROSION CONTROL DETAILS	
PROJECT NO.	21604-00CCSV
DRAWING NO.	
DT2	
SHEET: 17 OF 19	

SC-6 Inlet Protection (IP)

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

BLOCK AND CURB SOCK INLET PROTECTION INSTALLATION NOTES

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

IP-2. CURB ROCK SOCKS UPSTREAM OF INLET PROTECTION

CURB ROCK SOCK INLET PROTECTION INSTALLATION NOTES

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

IP-4 Urban Drainage and Flood Control District
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Inlet Protection (IP) SC-6

IP-3. ROCK SOCK SUMP/AREA INLET PROTECTION

ROCK SOCK SUMP/AREA INLET PROTECTION INSTALLATION NOTES

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

IP-4. SILT FENCE FOR SUMP INLET PROTECTION

SILT FENCE INLET PROTECTION INSTALLATION NOTES

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

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SC-6 Inlet Protection (IP)

IP-5. OVEREXCAVATION INLET PROTECTION

OVEREXCAVATION INLET PROTECTION INSTALLATION NOTES

- THIS FORM OF INLET PROTECTION IS PRIMARILY APPLICABLE FOR SITES THAT HAVE NOT YET REACHED FINAL GRADE AND SHOULD BE USED ONLY FOR INLETS WITH A RELATIVELY SMALL CONTRIBUTING DRAINAGE AREA.
- WHEN USING FOR CONCENTRATED FLOWS, SHAPE BASIN IN 2:1 RATIO WITH LENGTH ORIENTED TOWARD DIRECTION OF FLOW.
- SEDIMENT MUST BE PERIODICALLY REMOVED FROM THE OVEREXCAVATED AREA.

IP-6. STRAW BALE FOR SUMP INLET PROTECTION

STRAW BALE BARRIER INLET PROTECTION INSTALLATION NOTES

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

IP-6 Urban Drainage and Flood Control District
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Inlet Protection (IP) SC-6

CIP-1. CULVERT INLET PROTECTION

CULVERT INLET PROTECTION INSTALLATION NOTES

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

CULVERT INLET PROTECTION MAINTENANCE NOTES

- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- SEDIMENT ACCUMULATED UPSTREAM OF THE CULVERT SHALL BE REMOVED WHEN THE SEDIMENT DEPTH IS 8\"/>

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SC-6 Inlet Protection (IP)

GENERAL INLET PROTECTION INSTALLATION NOTES

- SEE PLAN VIEW FOR -LOCATION OF INLET PROTECTION. -TYPE OF INLET PROTECTION (IP-1, IP-2, IP-3, IP-4, IP-5, IP-6)
- INLET PROTECTION SHALL BE INSTALLED PROMPTLY AFTER INLET CONSTRUCTION OR PAVING IS COMPLETE (TYPICALLY WITHIN 48 HOURS). IF A RAINFALL/RUNOFF EVENT IS FORECAST, INSTALL INLET PROTECTION PRIOR TO ONSET OF EVENT.
- MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UFGCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

INLET PROTECTION MAINTENANCE NOTES

- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- SEDIMENT ACCUMULATED UPSTREAM OF INLET PROTECTION SHALL BE REMOVED AS NECESSARY TO MAINTAIN BMP EFFECTIVENESS. TYPICALLY WHEN STORAGE VOLUME REACHES 50% OF CAPACITY, A DEPTH OF 6\"/>

IP-8 Urban Drainage and Flood Control District
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Vehicle Tracking Control (VTC) SM-4

VTC-1. AGGREGATE VEHICLE TRACKING CONTROL

INSTALLATION REQUIREMENTS

- STRAW BALES USED AS CHECK DAMS ARE TO MEET THE REQUIREMENTS STATED IN FIGURE SM-2.
- THE 14\"/>

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

Vehicle Tracking Control (VTC) SM-4

STABILIZED CONSTRUCTION ENTRANCE/EXIT INSTALLATION NOTES

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

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

Check Dams (CD) EC-12

A. ROCK DAM

B. STRAW BALE CHECK DAM (SEE STRAW BALE BARRIER INSTALLATION)

C. SPACING CHECK DAMS

INSTALLATION REQUIREMENTS

- STRAW BALES USED AS CHECK DAMS ARE TO MEET THE REQUIREMENTS STATED IN FIGURE SM-2.
- THE 14\"/>

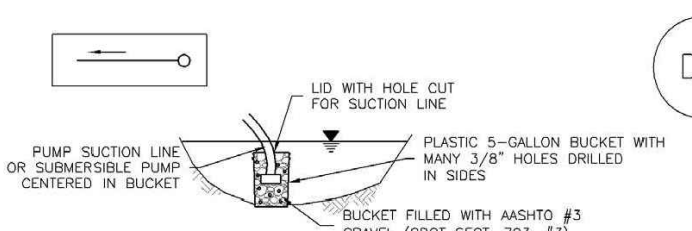
City of Colorado Springs
Stormwater Quality Figure CD-1
Check Dam Construction Detail and Maintenance Requirements

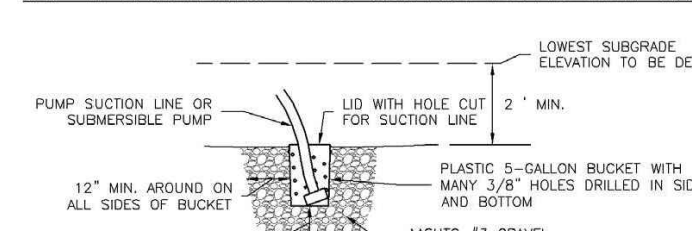
CD-4 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3 November 2010

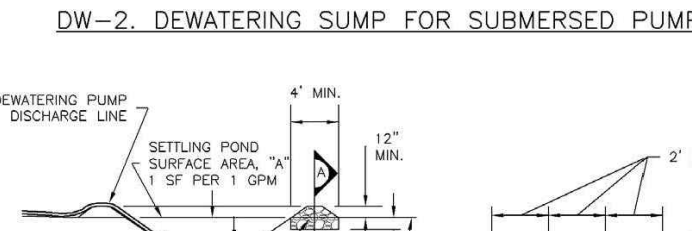


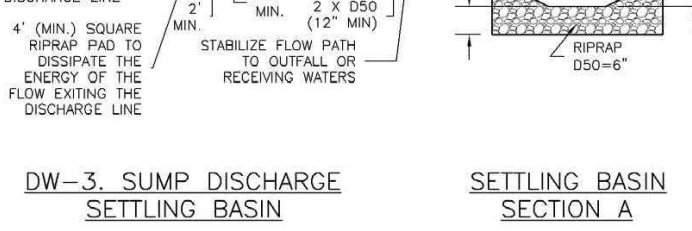
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Dewatering Operations (DW) **SM-9**


DW-1. DEWATERING POND ALREADY FILLED WITH WATER

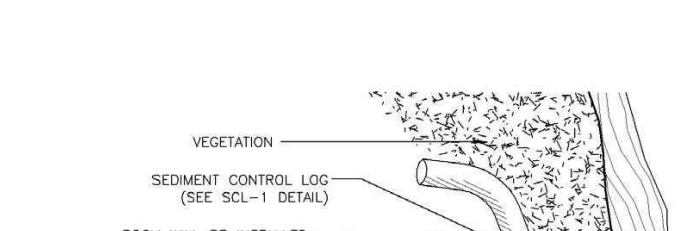

DW-2. DEWATERING SUMP FOR SUBMERSED PUMP

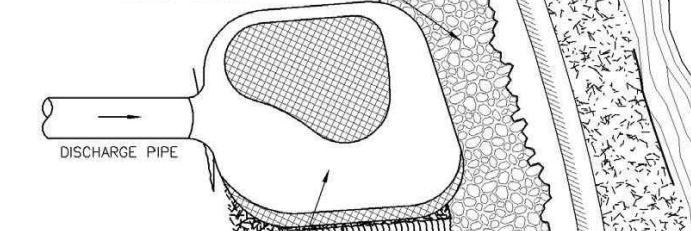

DW-3. SUMP DISCHARGE SETTLING BASIN


DW-4. DEWATERING FILTER BAG

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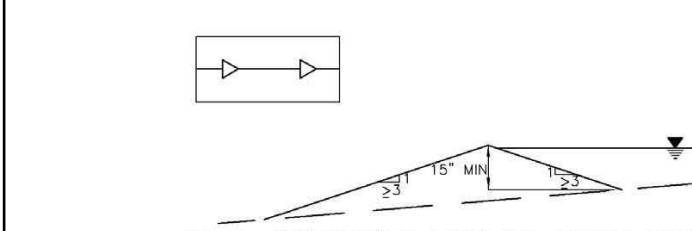
Sediment Basin (SB) **SC-7**

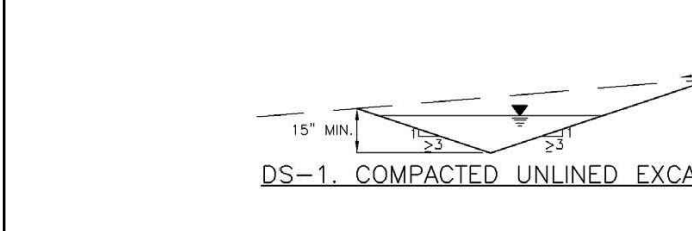

SB-1. SEDIMENT BASIN PLAN

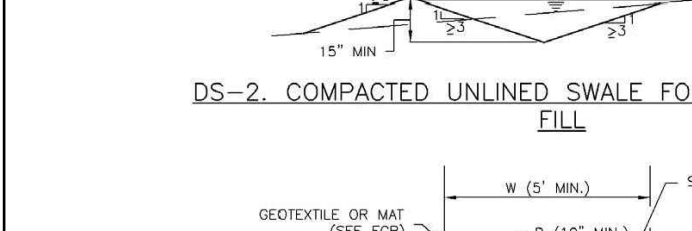

SB-2. SEDIMENT BASIN SECTION

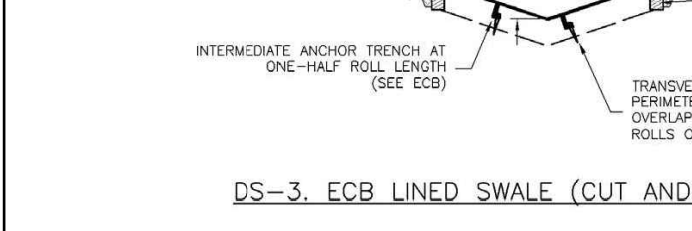
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SB-3

Earth Dikes and Drainage Swales (ED/DS) **EC-10**


ED-1. COMPACTED UNLINED EARTH DIKE FORMED BY BERM


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)

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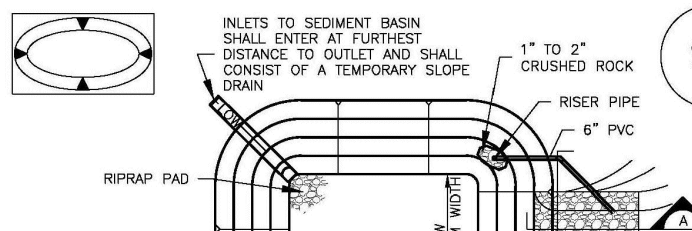
Rough Cut Street Control (RCS) **EC-9**

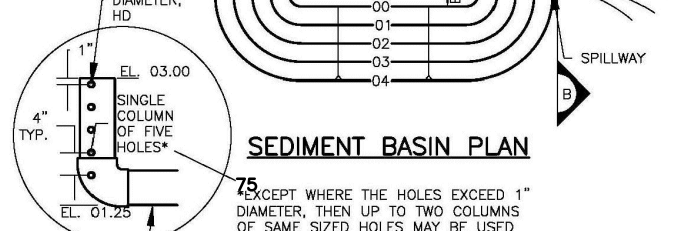

RCS-1. ROUGH CUT STREET CONTROL


RCS-2. ROUGH CUT STREET CONTROL SECTION

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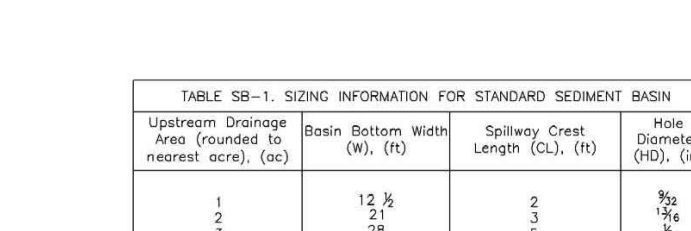
Sediment Basin (SB) **SC-7**

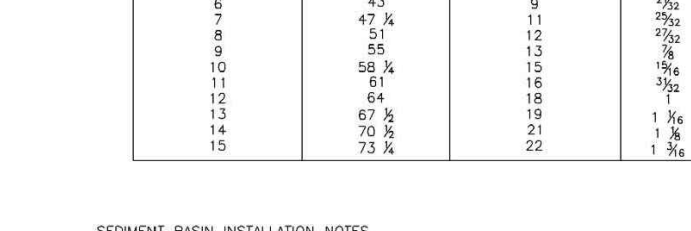

SB-1. SEDIMENT BASIN PLAN


SB-2. SEDIMENT BASIN SECTION

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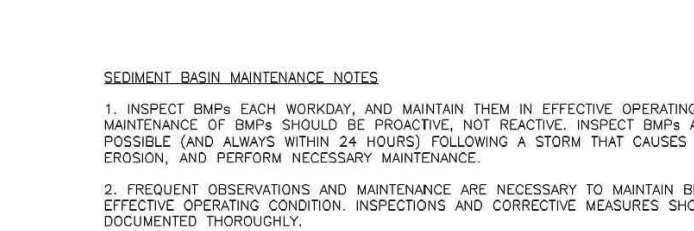
Sediment Basin (SB) **SC-7**

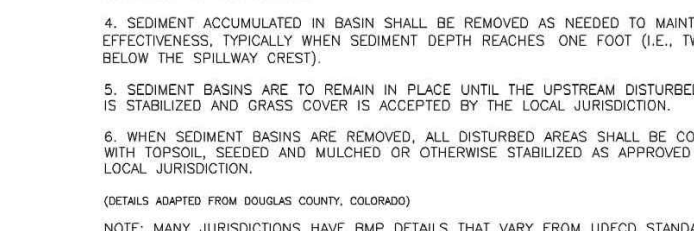

SB-1. SEDIMENT BASIN PLAN


SB-2. SEDIMENT BASIN SECTION

August 2013 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SB-3

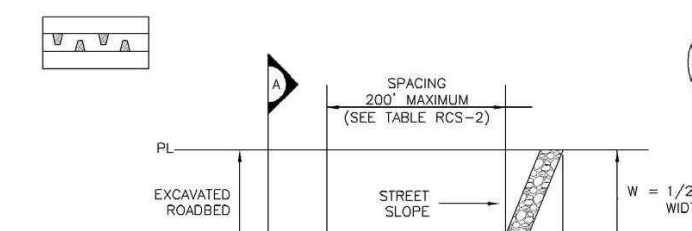
Sediment Basin (SB) **SC-7**

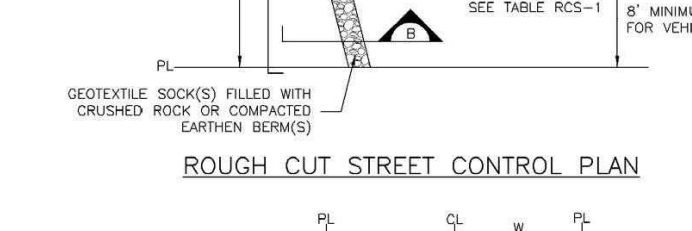

SB-1. SEDIMENT BASIN PLAN


SB-2. SEDIMENT BASIN SECTION

August 2013 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SB-3

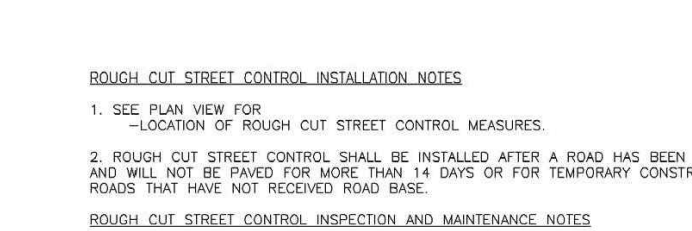
Rough Cut Street Control (RCS) **EC-9**

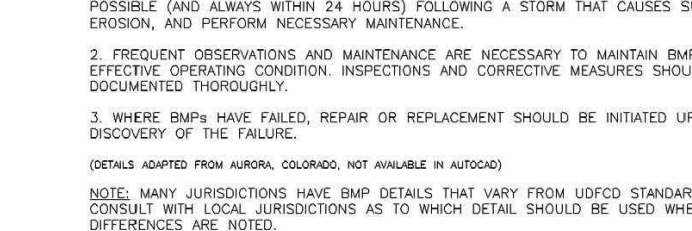

RCS-1. ROUGH CUT STREET CONTROL


RCS-2. ROUGH CUT STREET CONTROL SECTION

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

Rough Cut Street Control (RCS) **EC-9**


RCS-1. ROUGH CUT STREET CONTROL


RCS-2. ROUGH CUT STREET CONTROL SECTION

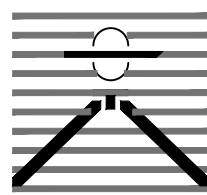
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EPC FILE NO.: SF2435

PREPARED BY:



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

EROSION
CONTROL
DETAILS

PROJECT NO. 21604-00CSCV
DRAWING NO.

DT4

SHEET: 19 OF 19

TEMPORARY SEEDING NOTES

- SOIL IS TO BE CONDITIONED FOR PLANT GROWTH BY APPLYING TOPSOIL, FERTILIZER OR LIME.
- SOIL IS TO BE TILLED IMMEDIATELY PRIOR TO APPLYING SEEDS. COMPACT SOILS ESPECIALLY NEED TO BE LOOSENEED.
- SEEDBED DEPTH IS TO BE 4 INCHES FOR SLOPES FLATTER THAN 2:1 AND 1 INCH FOR SLOPES STEEPER THAN 2:1.
- 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.
- THE TABLE BELOW ALSO PROVIDES REQUIREMENTS FOR SEEDING RATES, SEEDING DATES, AND PLANTING DEPTHS FOR THE APPROVED TYPES OF ANNUAL GRASSES.
- SEEDING IS TO BE APPLIED USING MECHANICAL TYPE DRILLS EXCEPT WHERE SLOPES ARE STEEP OR ACCESS IS LIMITED THEN HYDRAULIC SEEDING MAY BE USED.
- ALL SEEDED AREAS ARE TO BE MULCHED.
- IF HYDRAULIC SEEDING IS USED THEN HYDRAULIC MULCHING SHALL BE DONE SEPARATELY TO AVOID SEEDS BECOMING ENCAPSULATED IN THE MULCH.

MULCHING NOTES

INSTALLATION REQUIREMENTS

- 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.
- 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.
- MULCH IS TO BE APPLIED EVENLY AT A RATE OF 2 TONS PER ACRE.
- 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.
- HYDRAULIC MULCHING AND TACKIFIERS ARE NOT TO BE USED IN THE PRESENCE OF FREE SURFACE WATER.

MAINTENANCE REQUIREMENTS

- REGULAR INSPECTIONS ARE TO BE MADE OF ALL MULCHED AREAS.
- 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:

COMMON NAME	SCIENTIFIC NAME	LBS PLS/ACRE
SAND BLUESTEM V. ELIDA	ANDROPOGON HALLII	2.0
WESTERN WHEATGRASS V. ARRIBA	PASCOPIRUM SMITHII	7.0
SIDEOTS GRAMA V. VAUGHN	BOUTELOUA CURTIPENDULA	4.0
GALLETA V. VIVA (CARYOPSIS)	HILARIA JAMESII	1.0
LITTLE BLUESTEM V. PASTURA	SCHIZACHYRIUM SCOPARIUM	3.0
PRARIE SANDREED V. GASHEN	CALAMOVILFA LONGIFOLIA	2.0
BLANKETFLOWER	PANICUM VIRGATUM	1.0
PRARIE CONEFLOWER	GAILLARDIA ARISTATA	0.5
BLUE FLAX	RATIBIDA COLUMNIFERA	1.0
OATS	LINUM LEWISII	3.0
WINTER WHEAT	AVENA SATIVA	3.0
TOTAL/POUNDS/ACRE	TRITICUM AESTIVUM	28.5

FERTILIZER	RATE PER ACRE
NITROGEN	27
PHOSPHORUS (P205)	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.

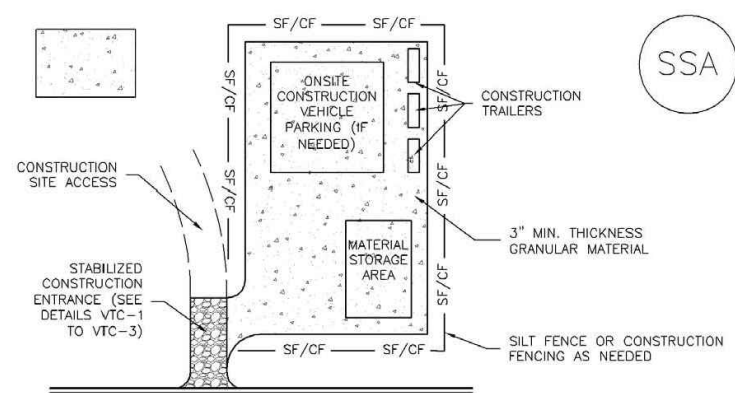


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EPC FILE NO.: SF2435

Stabilized Staging Area (SSA)

SM-6



SSA-1. STABILIZED STAGING AREA

STABILIZED STAGING AREA INSTALLATION NOTES

- SEE PLAN VIEW FOR LOCATION OF STAGING AREAS.
- CONTRACTOR MAY ADJUST LOCATION AND SIZE OF STAGING AREA WITH APPROVAL FROM THE LOCAL JURISDICTION.
- STABILIZED STAGING AREA SHOULD BE APPROPRIATE FOR THE NEEDS OF THE SITE. EXISTING RESULTS IN A LARGER AREA TO STABILIZE FOLLOWING CONSTRUCTION.
- STAGING AREA SHALL BE STABILIZED PRIOR TO OTHER OPERATIONS ON THE SITE.
- THE STABILIZED STAGING AREA SHALL CONSIST OF A MINIMUM 3" THICK GRANULAR MATERIAL.
- UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703.4 ASDH# 3# COARSE AGGREGATE OR 6" (RADIUS) ROCK.
- ADDITIONAL PERIMETER BMPs MAY BE REQUIRED INCLUDING BUT NOT LIMITED TO SILT FENCE AND CONSTRUCTION FENCING.

STABILIZED STAGING AREA MAINTENANCE NOTES

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

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SM-6

Stabilized Staging Area (SSA)

STABILIZED STAGING AREA MAINTENANCE NOTES

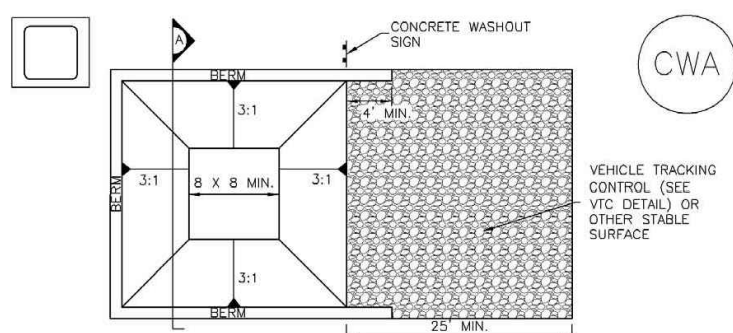
- STABILIZED STAGING AREA SHALL BE ENLARGED IF NECESSARY TO CONTAIN PARKING, STORAGE, AND UNLOADING/LOADING OPERATIONS.
- THE STABILIZED STAGING AREA SHALL BE REMOVED AT THE END OF CONSTRUCTION. THE GRANULAR MATERIAL SHALL BE REMOVED OR, IF APPROVED BY THE LOCAL JURISDICTION, USED ON SITE AND THE AREA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

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

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Concrete Washout Area (CWA)

MM-1



CWA-1. CONCRETE WASHOUT AREA

CWA INSTALLATION NOTES

- SEE PLAN VIEW FOR CWA INSTALLATION LOCATION.
- DO NOT LOCATE AN UNSEED CWA WITHIN 400' OF ANY NATURAL DRAINAGE PATHWAY OR WATERBODY. DO NOT LOCATE WITHIN 1,000' OF ANY WELLS OR DRINKING WATER SOURCES. IF SITE CONDITIONS MAKE THIS FEASIBLE, OR IF HEAVY PERMEABLE SOILS EXIST ON SITE, THE CWA MUST BE INSTALLED WITH AN IMPERMEABLE LINER (16 MIL MIN. THICKNESS) OR SURFACE STORAGE ALTERNATIVES USING IMPERMEABLE CONCRETE WASHOUT TUBES OR A LINED ABOVE GROUND STORAGE ARE SHOULD BE USED.
- THE CWA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
- 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.
- BERM SURROUNDING SIDES AND BACK OF THE CWA SHALL HAVE MINIMUM HEIGHT OF 1'.
- VEHICLE TRACKING PAD SHALL BE SLOPED 2% TOWARDS THE CWA.
- SOILS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CWA, AND ELSEWHERE AS NECESSARY TO CLARIFY INDICATE THE LOCATION OF THE CWA TO OPERATORS OF CONCRETE TRUCKS AND PUMP TRUCKS.
- USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.

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Concrete Washout Area (CWA)

CWA MAINTENANCE NOTES

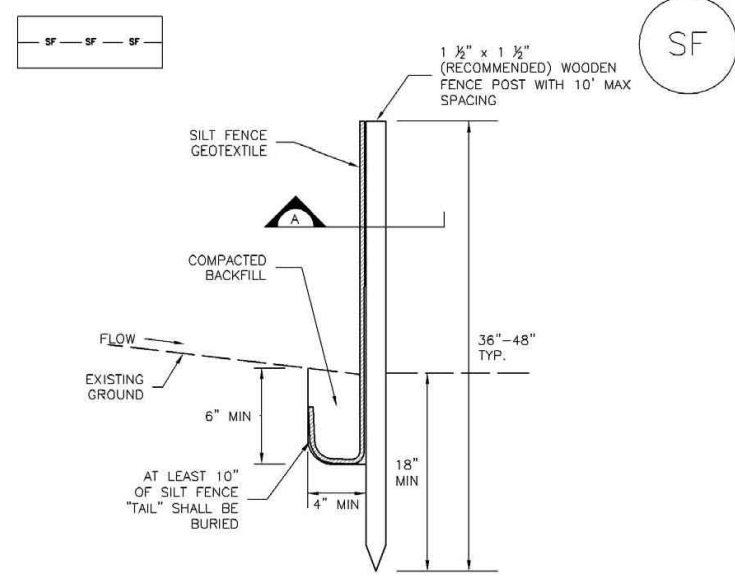
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- 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'.
- 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.
- THE CWA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
- 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.

(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO AND THE CITY OF PUEBLO, COLORADO, NOT AVAILABLE IN AUTOCAD)

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Silt Fence (SF)

SC-1



SF-1. SILT FENCE

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SC-1

Silt Fence (SF)

SILT FENCE INSTALLATION NOTES

- 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 DISPOSITION.
- A UNIFORM 6" X 4" ANCHOR TRENCH SHALL BE EXCAVATED USING TRENCHER OR SILT FENCE INSTALLATION DEVICE, NO ROAD GRIDDERS, BACKHOES, OR SIMILAR EQUIPMENT SHALL BE USED.
- COMPACT ANCHOR TRENCH BY HAND WITH A "JUMPING JACK" OR BY WHEEL ROLLING. COMPACTION SHALL BE SUCH THAT SILT FENCE RESISTS BEING PULLED OUT OF ANCHOR TRENCH BY HAND.
- 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.
- 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.
- 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 FLOODING AROUND THE END OF THE SILT FENCE (TYPICALLY 10' - 20').
- SILT FENCE SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.

SILT FENCE MAINTENANCE NOTES

- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- SEDIMENT ACCUMULATED UPSTREAM OF THE SILT FENCE SHALL BE REMOVED AS NEEDED TO MAINTAIN THE FUNCTIONALITY OF THE BMP. TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 6".
- REPAIR OR REPLACE SILT FENCE WHEN THERE ARE SIGNS OF WEAR, SUCH AS SAGGING, TEARING, OR COLLAPSE.
- 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 SEGMENT CONTROL BMP.
- WHEN SILT FENCE IS REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

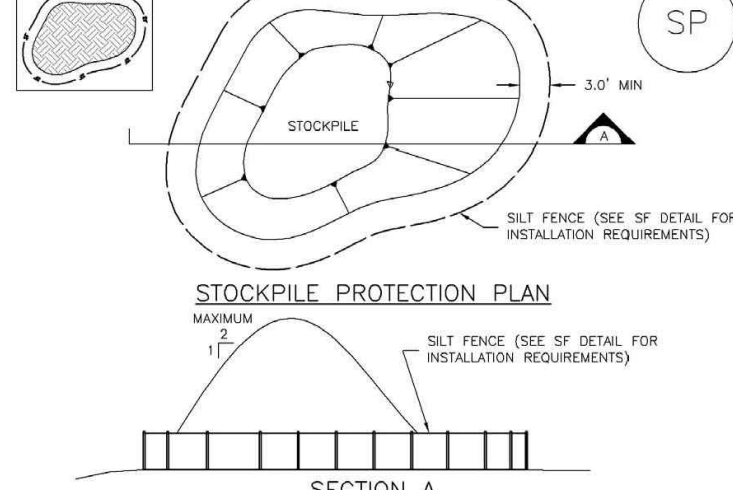
(DETAILS ADAPTED FROM TOWN OF PUEBLO, COLORADO AND CITY OF JARVIS, NOT AVAILABLE IN AUTOCAD)

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

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Stockpile Management (SP)

MM-2



SP-1. STOCKPILE PROTECTION

STOCKPILE PROTECTION INSTALLATION NOTES

- SEE PLAN VIEW FOR LOCATION OF STOCKPILES.
- INSTALL PERIMETER CONTROLS IN ACCORDANCE WITH THEIR RESPECTIVE DESIGN DETAILS. SILT FENCE IS SHOWN IN THE STOCKPILE PROTECTION DETAILS. HOWEVER, OTHER TYPES OF PERIMETER CONTROLS INCLUDING SEGMENT CONTROL, LOGS OR ROCK SOCKS MAY BE USED. IN SOME CIRCUMSTANCES, CONSIDERATIONS FOR OBTAINING THE APPROPRIATE TYPE OF PERIMETER CONTROL FOR A STOCKPILE INCLUDE WHETHER THE STOCKPILE IS LOCATED ON A PERMANENT OR TEMPORARY SURFACE, THE RELATIVE HEIGHTS OF THE PERIMETER CONTROL AND STOCKPILE, THE ABILITY OF THE PERIMETER CONTROL TO CONFIN THE STOCKPILE WITHOUT FAILING IN THE EVENT THAT MATERIAL FROM THE STOCKPILE SHIFTS OR SLIPS AGAINST THE PERIMETER, AND OTHER FACTORS.
- STABILIZE THE STOCKPILE SURFACE WITH SURFACE ROUGHENING, TEMPORARY SEEDING AND MULCHING, EROSION CONTROL, BLANKETS, OR SOIL BINDERS. SOILS 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 OR A SOIL BINDER IS ACCEPTABLE IF THE STOCKPILE WILL BE IN PLACE FOR A SHORT, LIMITED TIME PERIOD (TYPICALLY 30-60 DAYS).
- FOR TEMPORARY STOCKPILES ON THE INTERIOR PORTION OF A CONSTRUCTION SITE, WHERE OTHER DOWNSTREAM CONTROLS, INCLUDING PERIMETER CONTROL, ARE IN PLACE, STOCKPILE PERIMETER CONTROLS MAY NOT BE REQUIRED.

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Stockpile Management (SM)

STOCKPILE PROTECTION MAINTENANCE NOTES

- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- IF PERIMETER PROTECTION MUST BE MOVED TO ACCESS SOIL STOCKPILE, REPLACE PERIMETER CONTROLS BY THE END OF THE WORKDAY.
- STOCKPILE PERIMETER CONTROLS CAN BE REMOVED ONCE ALL THE MATERIAL FROM THE STOCKPILE HAS BEEN USED.

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

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

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