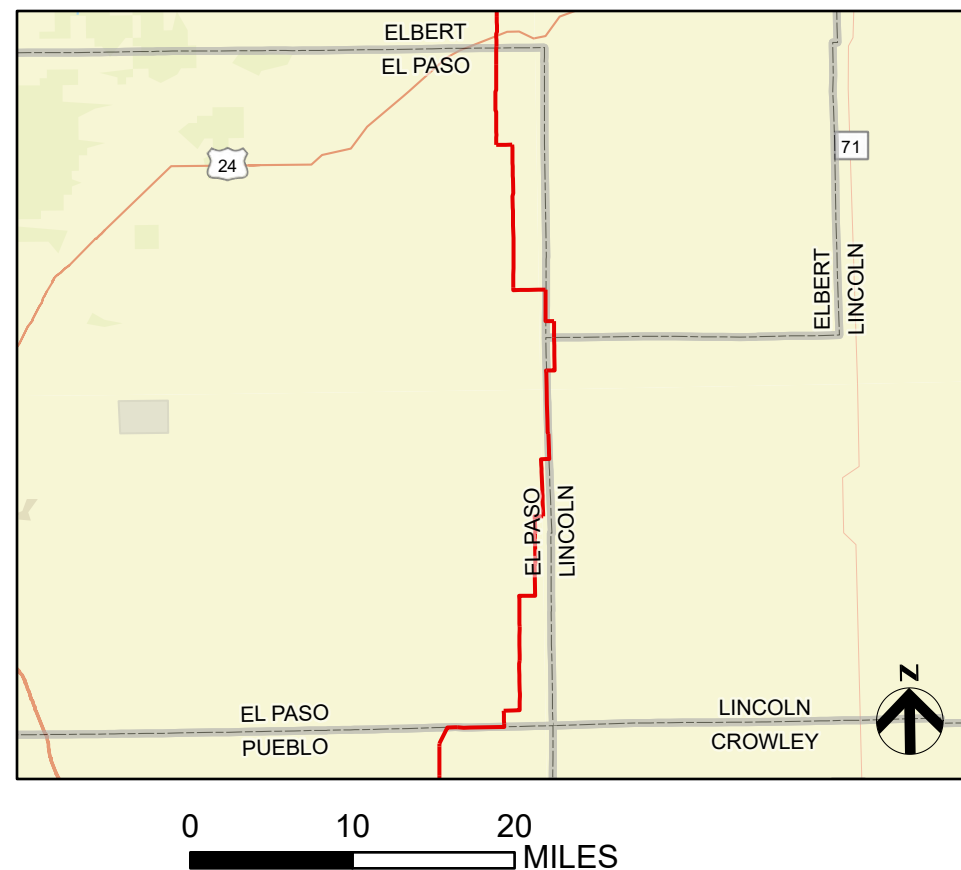




Xcel Energy
3500 Blake Street
Denver, CO 80205
Project Manager: John Geiger
(303) 437-4110

[illegible]

GENERAL NOTES: *GRADING AND EROSION CONTROL PLAN (GEC) TO BE USED INTERCHANGEABLE WITH STORMWATER MANAGEMENT PLAN (SWMP).

1. THIS STORMWATER MANAGEMENT PLAN (SWMP) HAS BEEN DEVELOPED IN ACCORDANCE WITH GOOD ENGINEERING, HYDROLOGIC, AND POLLUTION CONTROL PRACTICES TO MEET STANDARDS SET FORTH IN THE COLORADO DISCHARGE PERMIT SYSTEM (CDPS) GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY – PERMIT CERTIFICATION COR400000, EFFECTIVE APRIL 1, 2024 AND EXPIRING MARCH 31, 2029. THIS SWMP WAS ALSO DEVELOPED TO MEET EL PASO COUNTY REQUIREMENTS. EL PASO COUNTY REGULATES STORMWATER THROUGH THEIR EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP).
2. THE PERMITTEE AND THEIR CONTRACTORS MUST IMPLEMENT PROVISIONS OF THE SWMP AS WRITTEN AND UPDATED, FROM COMMENCEMENT OF CONSTRUCTION ACTIVITY UNTIL FINAL STABILIZATION IS ACHIEVED.
3. THE PLAN MUST REMAIN ON SITE OR BE ON SITE WHEN CONSTRUCTION ACTIVITIES ARE OCCURRING AT THE SITE UNLESS THE PERMITTEE HAS SPECIFIED AN ALTERNATE LOCATION AND OBTAINED APPROVAL FROM THE WATER QUALITY CONTROL DIVISION (WQCD).
4. THIS SWMP SHOULD BE VIEWED AS A LIVING DOCUMENT CONTINUOUSLY REVIEWED AND MODIFIED AS PART OF THE OVERALL PROCESS OF ASSESSING AND MANAGING STORMWATER QUALITY ISSUES AT THE SITE. THE SWMP MUST BE AMENDED WHEN THE FOLLOWING OCCURS:
 - A. CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE OF THE SITE REQUIRING IMPLEMENTATION OF NEW OR REVISED CONTROL MEASURES (CMs),
 - B. THE SWMP PROVES INEFFECTIVE IN CONTROLLING POLLUTANTS IN STORMWATER RUNOFF IN COMPLIANCE WITH THE PERMIT CONDITIONS,
 - C. CONTROL MEASURES IDENTIFIED IN THE SWMP ARE NO LONGER NECESSARY AND ARE REMOVED;
 - D. CORRECTIVE ACTIONS ARE TAKEN ON SITE THAT RESULT IN A CHANGE TO THE SWMP; AND
 - E. IF THE SITE, OR AN AREA OF THE SITE, QUALIFIES FOR AND IMPLEMENTS A REDUCED INSPECTION FREQUENCY.
5. SWMP REVISIONS MUST INCLUDE A NOTATION THAT IDENTIFIES: THE DATE OF SITE CHANGE, THE CM(s) REMOVED, OR MODIFIED; LOCATION(S) OF THOSE CMs; AND ANY CHANGES TO THE CMs. UNDOCUMENTED CHANGES AND OUTSTANDING REVISIONS RENDER THE SWMP NON-COMPLIANT WITH THE GENERAL PERMIT.
6. ALL TEMPORARY STRUCTURAL PERIMETER CMs ON THE SWMP SHEETS WILL BE INSTALLED BEFORE ANY CONSTRUCTION ACTIVITIES TAKE PLACE IN THAT AREA.
7. CMs WILL BE FIELD FIT TO ON-SITE CONDITIONS AND CONSTRUCTION DISTURBANCES. DIMENSIONS AND QUANTITIES OF STRUCTURAL CMs MAY DIFFER THAN INDICATED AND SHOULD BE REVISED ON THE PLAN ONCE INSTALLED.
8. UNLESS INFEASIBLE, TOPSOIL WILL BE PRESERVED FOR AREAS OF THE SITE THAT WILL UTILIZE VEGETATIVE COVER FOR FINAL STABILIZATION. SEE SEED MIX IN TAB 14 OF THE SWMP REPORT.
9. CONSTRUCTION CONTRACTOR WILL MINIMIZE TO THE EXTENT FEASIBLE DISTURBANCES TO EXISTING VEGETATION AT THE SITE.
10. TEMPORARY STABILIZATION MUST BE IMPLEMENTED FOR EARTH DISTURBING ACTIVITIES AT ANY PORTION OF THE SITE WHERE SUCH ACTIVITIES HAVE CEASED FOR MORE THAN 14 CALENDAR DAYS UNLESS THE FUNCTION OF THE AREA REQUIRES IT TO REMAIN DISTURBED, OR PHYSICAL CHARACTERISTICS OF THE TERRAIN OR CLIMATE PREVENT STABILIZATION. FOR AREAS WHICH EXCEED THE 14-DAY STABILIZATION TIMELINE, THE SWMP MUST DOCUMENT CONSTRAINTS NECESSITATING THE ALTERNATE SCHEDULES, PROVIDE THE ALTERNATE STABILIZATION SCHEDULE, AND IDENTIFY ALL LOCATIONS WHERE ALTERNATIVE SCHEDULES ARE APPLICABLE ON THE SITE MAP.
11. BULK STORAGE (55 GALLONS OR GREATER) OF PETROLEUM PRODUCTS OR OTHER CHEMICALS WILL HAVE ADEQUATE PROTECTION TO CONTAIN ALL SPILLS AND PREVENT ANY SPILLED MATERIAL FROM LEAVING THE SITE OR ENTERING THE STORMWATER SYSTEM OR SURFACE WATERS.
12. SOLID WASTE, INDUSTRIAL WASTE, YARD WASTE, AND ANY OTHER POLLUTANTS MUST BE CONTROLLED USING CMs.
13. THERE ARE NO STORMWATER INLETS WITHIN THE PROJECT AREA.
14. LIMITS OF DISTURBANCE TO INCLUDE ALL GRADING AND SURFACE DISTURBING WORK (CM INSTALLATION, RUTTING 3 IN. OR DEEPER, ETC.).
15. AGRICULTURALLY MANAGED CROP LAND WILL BE RETURNED TO LANDOWNER IN A SURFACE ROUGHENED CONDITION, WITHOUT SEED AND MULCH, PER AGRICULTURAL LANDOWNER DIRECTIVE. ALL OTHER DISTURBED AREAS THAT WERE PREVIOUSLY VEGETATED WILL USE SEED AND MULCH (SM) AS FORM OF FINAL RESOTRATION. CONTRACTOR TO UTILIZE THE SEED MIX PROVIDED IN TAB 14 OF THE SWMP REPORT. CONTRACTOR TO MARKUP LOCATIONS OF SM IN PLANS ONCE PRESCRIBED IN THE FIELD.
16. LOCATIONS OF WATERBODIES SHOWN ON SWMP MAPS MAY DIFFER FROM TOPOGRAPHY AND ACTUAL LOCATIONS IDENTIFIED IN THE FIELD DUE TO AERIAL IMAGING.
17. PRIMARY LOCATIONS FOR EQUIPMETN AND MATERIAL STAGING TO BE AT STAGING AYRD PERMITTED SEPARATELY FROM THIS TRANSISSION LINE WORK.
18. A CONCRETE WASHOUT (CWA) WILL BE LOCATED AT ANY WORK AREAS WHERE CONCRETE WILL BE POURED. CWAs PLANNED TO BE MOBILE TYPE (ECO-PAN OR SIMILAR) AND NOT TO BE LEFT IN FLOODPLAIN FOR EXTENDED PERIODS OF TIME. ONCE CONCRETE POURING ACTIVITIES FOR STRUCTURES IN FLOODPLAINS CEASES, CWA TO REMOVED FROM FLOODPLAIN AND MAINTAINED PER THE SPEC.
19. REFER TO VEGETATION AND TOPOGRAPHY (VT) DETAIL IN THE SWMP REPORT FOR INFORMATION REGARDING REQUIRED BUFFER DISTANCES FOR USE OF VT IN LIEU OF STRUCTURAL CONTROL MEASURE.
20. SEE TAB 1.E AND TAB 11 OF THE SWMP REPORT FOR DETAILS ON EXISTING VEGETATION ALONG THE PROJECT.
21. LOCATIONS OF PROPOSED PERMANENT AND TEMPORARY CULVERTS INSPECTED AND VERIFIED BY EL PASO COUNTY AS PART OF LOCAL ACCESS AND RIGHT-OF-WAY PERMITTING PROCESS.
22. SEE SWMP REPORT AND NOXIOUS WEEDS MANAGEMENT PLAN FOR DETAILS REGARDING TEMPORARY AND PERMANENT RESTORATION.

[illegible]

EL PASO COUNTY STANDARD NOTES:

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).
16. 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.
18. 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.
19. 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.
20. 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.

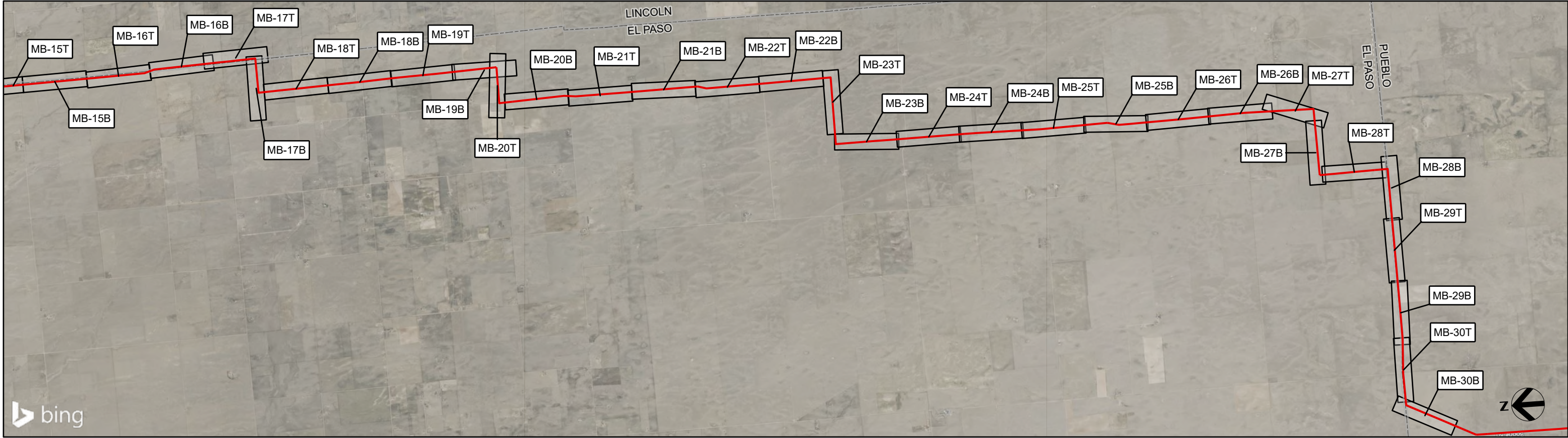
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EL PASO COUNTY STANDARD NOTES:

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 (COR400000 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

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1	7/22/26		County Resubmittal #1						
REV	DATE	PROJ. No.	REVISION DESCRIPTION				DWN	DSN	ENG



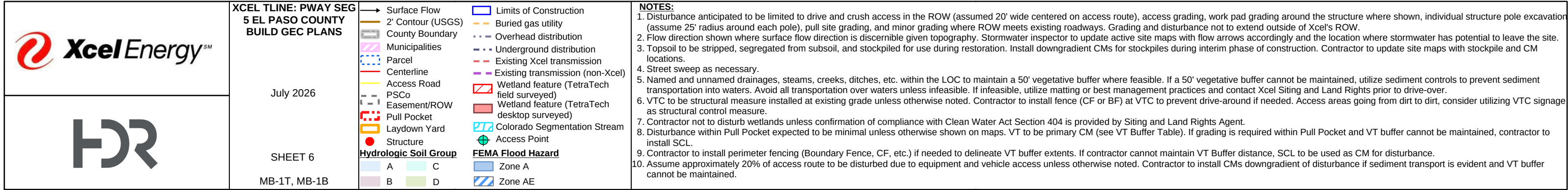
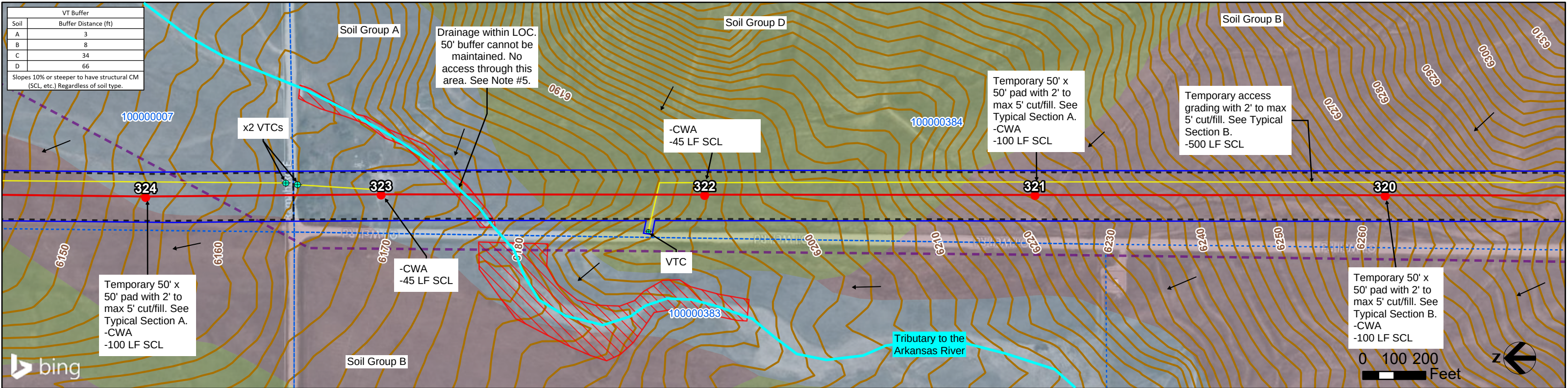
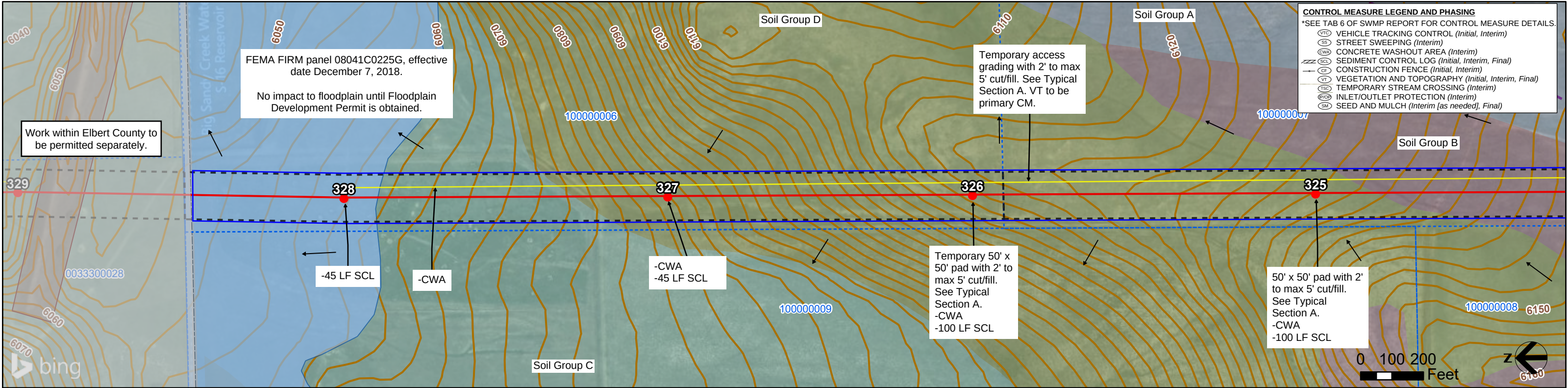
July 2026

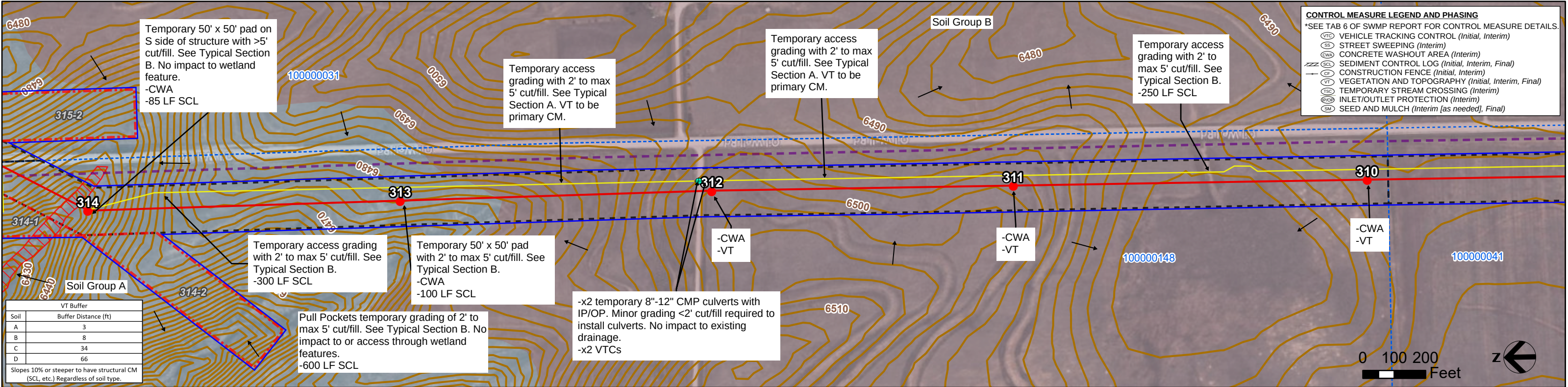
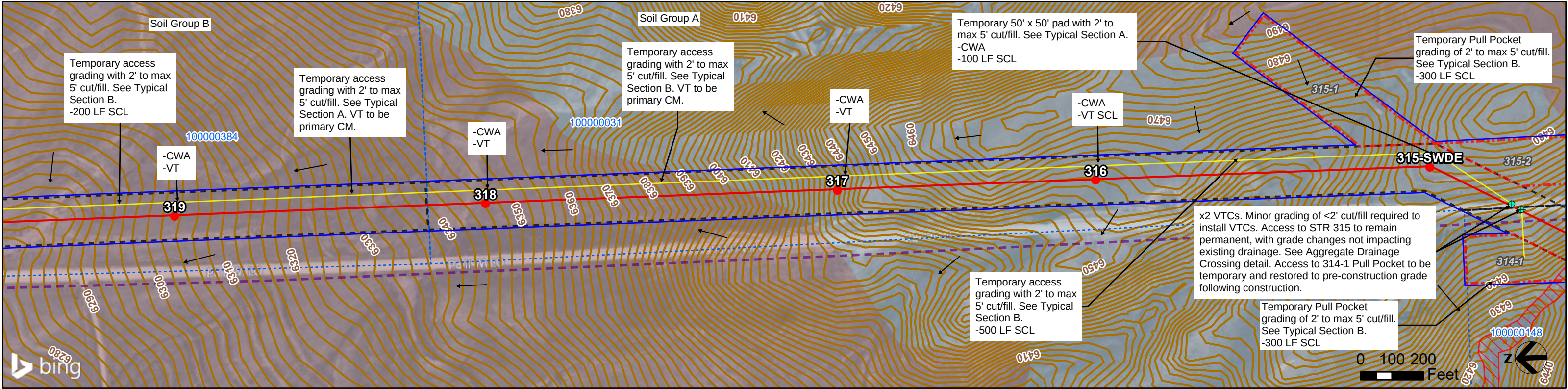


XCEL TLINE: PWAY SEG 5 EL PASO
COUNTY BUILD GEC PLANS

KEY MAP

FILE NAME PWAY Seg 5 El Paso County Build		SCALE N/A	
SHEET No. 5		MICROFILM No.	
SIZE	DWG No.	REV	







**XCEL TLIN: PWAY SEG
5 EL PASO COUNTY
BUILD GEC PLANS**

July 2026

SHEET 7

MB-2T, MB-2B

→ Surface Flow

2' Contour (USGS)

County Boundary

Municipalities

Parcel

Centerline

Access Road

PSCo

Easement/ROW

Pull Pocket

Laydown Yard

Structure

Hydrologic Soil Group

A

B

C

D

□ Limits of Construction

— Buried gas utility

--- Overhead distribution

--- Underground distribution

--- Existing Xcel transmission

--- Existing transmission (non-Xcel)

▨ Wetland feature (TetraTech field surveyed)

▨ Wetland feature (TetraTech desktop surveyed)

▨ Colorado Segmentation Stream

● Access Point

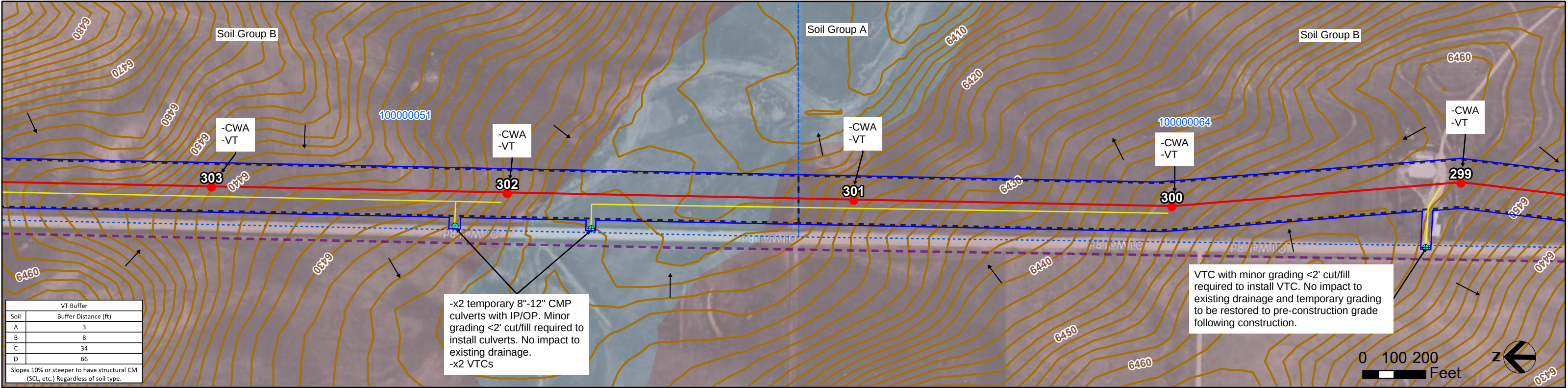
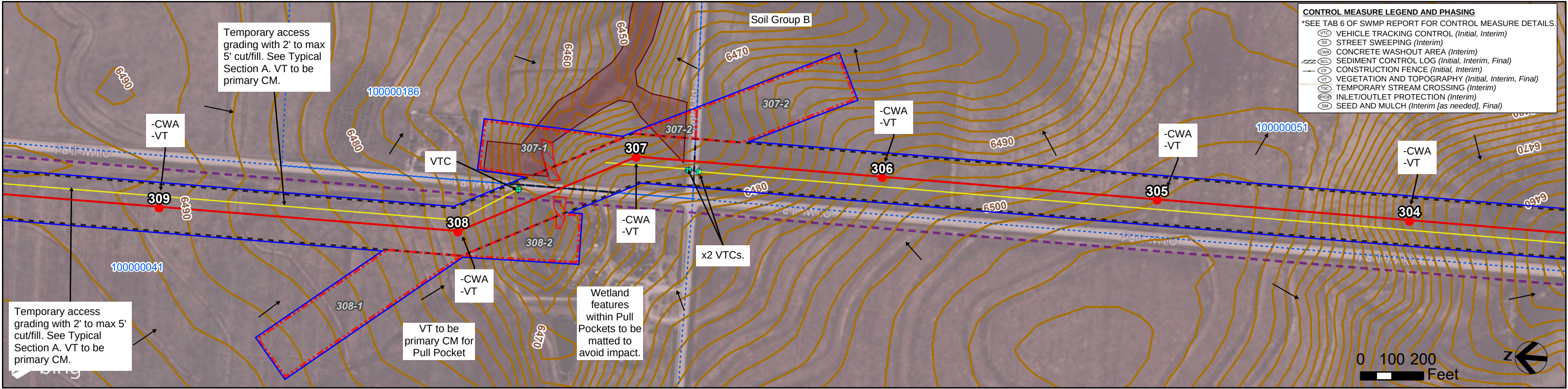
FEMA Flood Hazard

Zone A

Zone AE

NOTES:

- Disturbance anticipated to be limited to drive and crush access in the ROW (assumed 20' wide centered on access route), access grading, work pad grading around the structure where shown, individual structure pole excavation (assume 25' radius around each pole), pull site grading, and minor grading where ROW meets existing roadways. Grading and disturbance not to extend outside of Xcel's ROW.
- Flow direction shown where surface flow direction is discernible given topography. Stormwater inspector to update active site maps with flow arrows accordingly and the location where stormwater has potential to leave the site.
- Topsoil to be stripped, segregated from subsoil, and stockpiled for use during restoration. Install downgradient CMs for stockpiles during interim phase of construction. Contractor to update site maps with stockpile and CM locations.
- Street sweep as necessary.
- Named and unnamed drainages, steams, creeks, ditches, etc. within the LOC to maintain a 50' vegetative buffer where feasible. If a 50' vegetative buffer cannot be maintained, utilize sediment controls to prevent sediment transportation into waters. Avoid all transportation over waters unless infeasible. If infeasible, utilize matting or best management practices and contact Xcel Siting and Land Rights prior to drive-over.
- VTC to be structural measure installed at existing grade unless otherwise noted. Contractor to install fence (CF or BF) at VTC to prevent drive-around if needed. Access areas going from dirt to dirt, consider utilizing VTC signage as structural control measure.
- Contractor not to disturb wetlands unless confirmation of compliance with Clean Water Act Section 404 is provided by Siting and Land Rights Agent.
- Disturbance within Pull Pocket expected to be minimal unless otherwise shown on maps. VT to be primary CM (see VT Buffer Table). If grading is required within Pull Pocket and VT buffer cannot be maintained, contractor to install SCL.
- Contractor to install perimeter fencing (Boundary Fence, CF, etc.) if needed to delineate VT buffer extents. If contractor cannot maintain VT Buffer distance, SCL to be used as CM for disturbance.
- Assume approximately 20% of access route to be disturbed due to equipment and vehicle access unless otherwise noted. Contractor to install CMs downgradient of disturbance if sediment transport is evident and VT buffer cannot be maintained.



XCEL TLINE: PWAY SEG 5 EL PASO COUNTY BUILD GEC PLANS

July 2026

SHEET 8

MB-3T, MB-3B

— Surface Flow

— 2' Contour (USGS)

— County Boundary

— Municipalities

— Parcel

— Centerline

— Access Road

— PSCo

— Easement/ROW

— Pull Pocket

— Laydown Yard

● Structure

Hydrologic Soil Group

A

B

C

D

— Limits of Construction

— Buried gas utility

— Overhead distribution

— Underground distribution

— Existing Xcel transmission

— Existing transmission (non-Xcel)

— Wetland feature (TetraTech field surveyed)

— Wetland feature (TetraTech desktop surveyed)

— Colorado Segmentation Stream

— Access Point

FEMA Flood Hazard

Zone A

Zone AE

NOTES:

1. Disturbance anticipated to be limited to drive and crush access in the ROW (assumed 20' wide centered on access route), access grading, work pad grading around the structure where shown, individual structure pole excavation (assume 25' radius around each pole), pull site grading, and minor grading where ROW meets existing roadways. Grading and disturbance not to extend outside of Xcel's ROW.

2. Flow direction shown where surface flow direction is discernible given topography. Stormwater inspector to update active site maps with flow arrows accordingly and the location where stormwater has potential to leave the site.

3. Topsoil to be stripped, segregated from subsoil, and stockpiled for use during restoration. Install downgradient CMs for stockpiles during interim phase of construction. Contractor to update site maps with stockpile and CM locations.

4. Street sweep as necessary.

5. Named and unnamed drainages, steams, creeks, ditches, etc. within the LOC to maintain a 50' vegetative buffer where feasible. If a 50' vegetative buffer cannot be maintained, utilize sediment controls to prevent sediment transportation into waters. Avoid all transportation over waters unless infeasible. If infeasible, utilize matting or best management practices and contact Xcel Siting and Land Rights prior to drive-over.

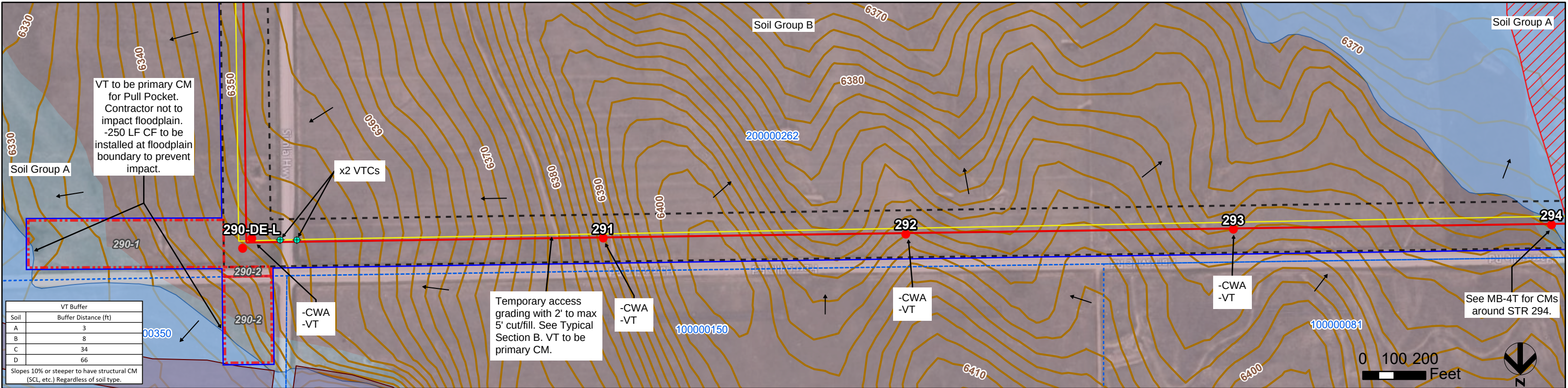
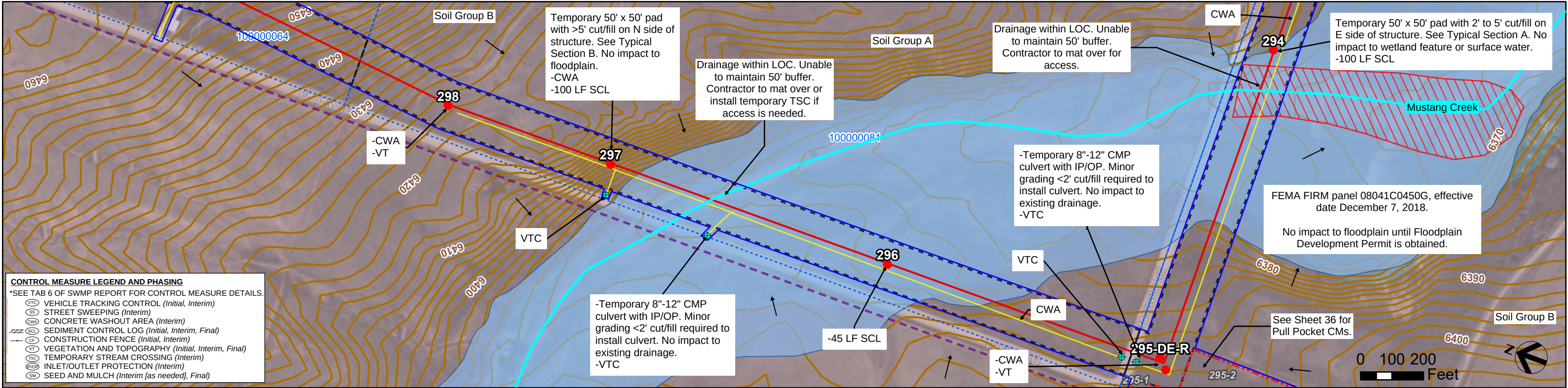
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XCEL TLIN: PWAY SEG 5 EL PASO COUNTY BUILD GEC PLANS

July 2026

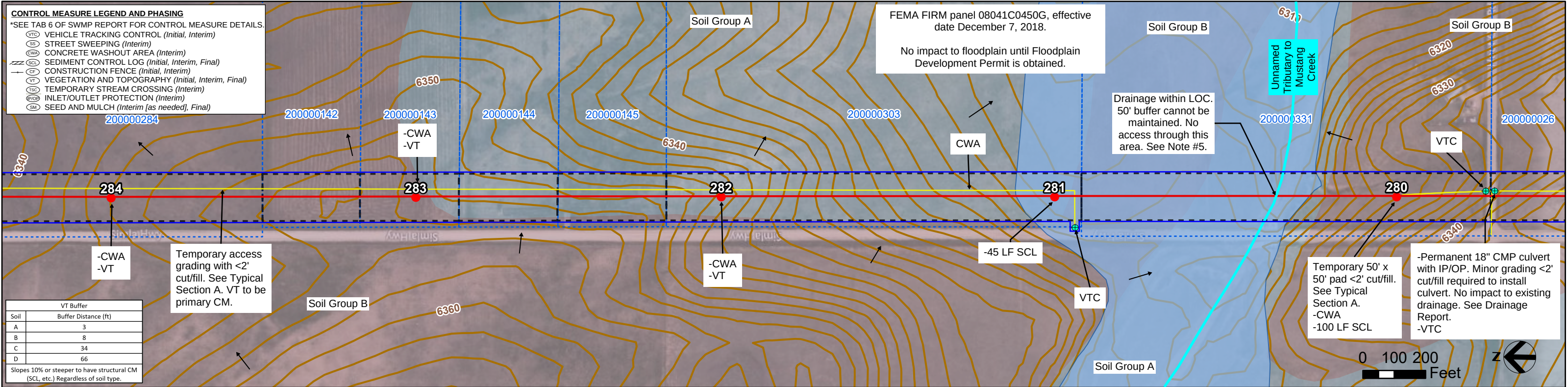
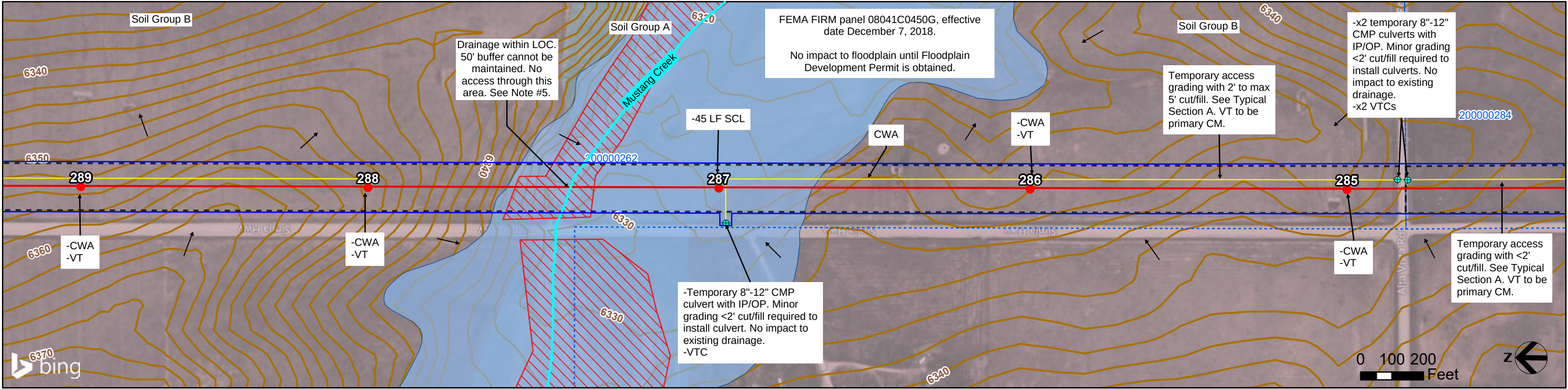
SHEET 9

MB-4T, MB-4B

- Surface Flow
- 2' Contour (USGS)
- County Boundary
- Municipalities
- Parcel
- Centerline
- Access Road
- PSCo
- Easement/ROW
- Pull Pocket
- Laydown Yard
- Structure
- Hydrologic Soil Group
 - A
 - B
 - C
 - D
- Limits of Construction
- Buried gas utility
- Overhead distribution
- Underground distribution
- Existing Xcel transmission
- Existing transmission (non-Xcel)
- Wetland feature (TetraTech field surveyed)
- Wetland feature (TetraTech desktop surveyed)
- Colorado Segmentation Stream
- Access Point
- FEMA Flood Hazard
 - Zone A
 - Zone AE

NOTES:

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XCEL TLIN: PWAY SEG 5 EL PASO COUNTY BUILD GEC PLANS

July 2026

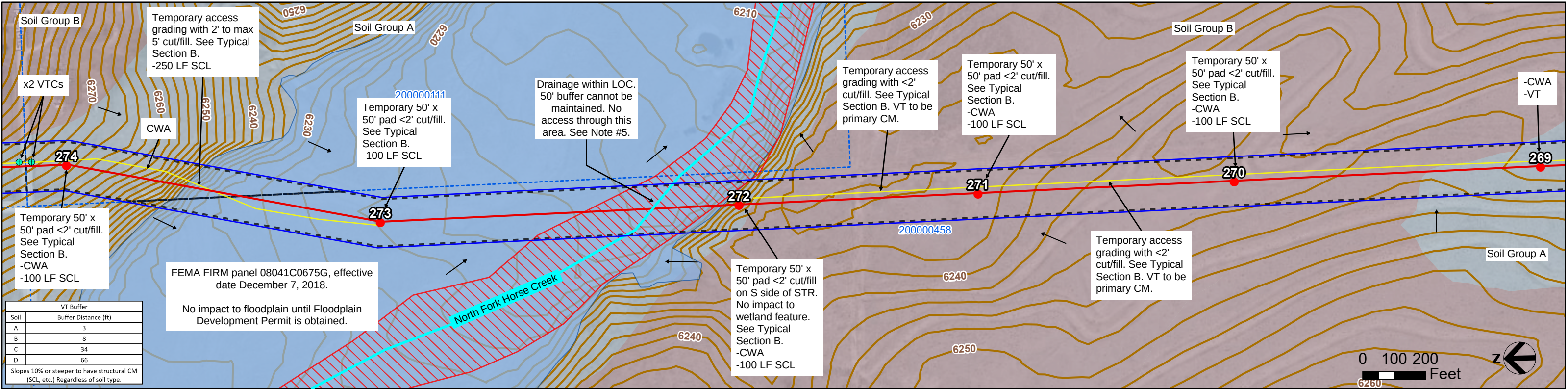
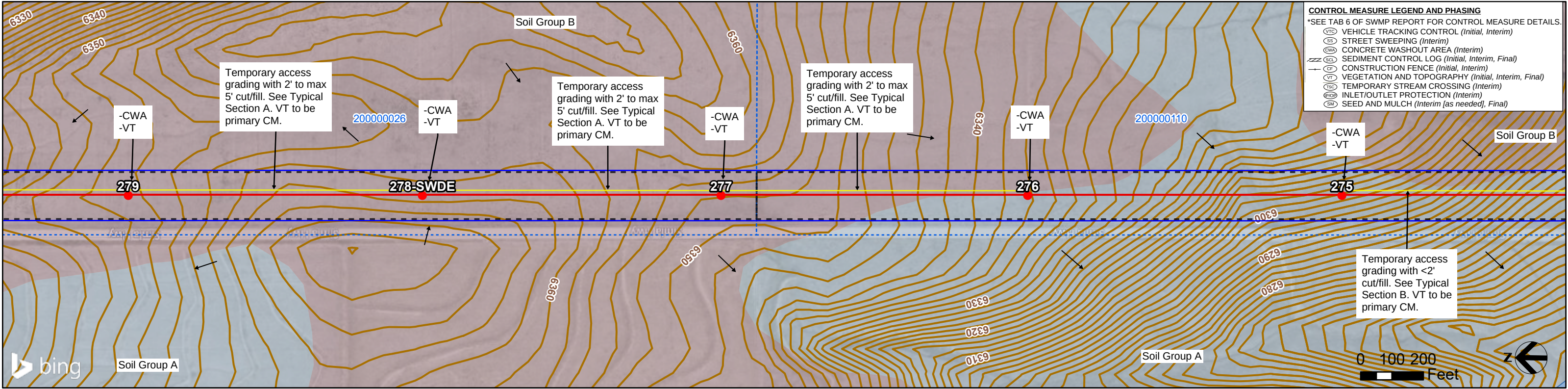
SHEET 10

MB-5T, MB-5B

Surface Flow	Limits of Construction
2' Contour (USGS)	Buried gas utility
County Boundary	Overhead distribution
Municipalities	Underground distribution
Parcel	Existing Xcel transmission
Centerline	Existing transmission (non-Xcel)
Access Road	Wetland feature (TetraTech field surveyed)
PSCo	Wetland feature (TetraTech desktop surveyed)
Easement/ROW	Colorado Segmentation Stream
Pull Pocket	Access Point
Laydown Yard	
Structure	
Hydrologic Soil Group	FEMA Flood Hazard
A	Zone A
C	Zone AE
B	
D	

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XCEL TLINE: PWAY SEG 5 EL PASO COUNTY BUILD GEC PLANS

July 2026

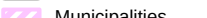
SHEET 11

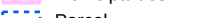
MB-6T, MB-6B

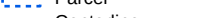
 Surface Flow

 2' Contour (USGS)

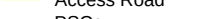
 County Boundary

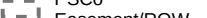
 Municipalities

 Parcel

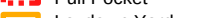
 Centerline

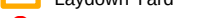
 Access Road

 PSCo

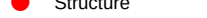
 Easement/ROW

 Pull Pocket

 Laydown Yard

 Structure

Hydrologic Soil Group

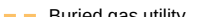
 A

 B

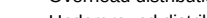
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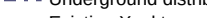
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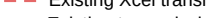
 Limits of Construction

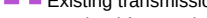
 Buried gas utility

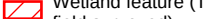
 Overhead distribution

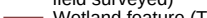
 Underground distribution

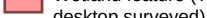
 Existing Xcel transmission

 Existing transmission (non-Xcel)

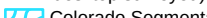
 Wetland feature (TetraTech field surveyed)

 Wetland feature (TetraTech desktop surveyed)

 Colorado Segmentation Stream

 Access Point

FEMA Flood Hazard

 Zone A

 Zone AE

NOTES:

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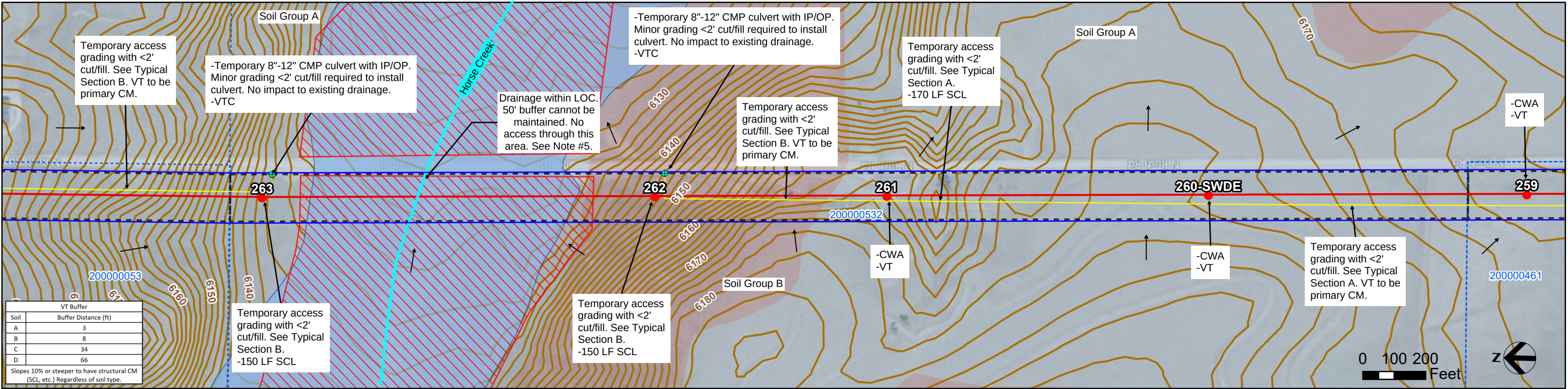
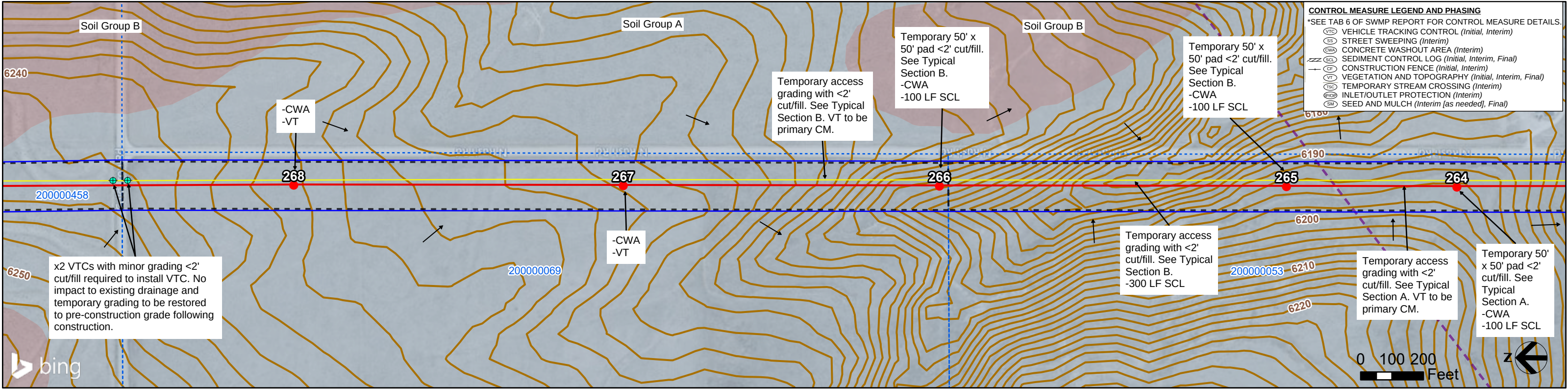
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XCEL TLINE: PWAY SEG 5 EL PASO COUNTY BUILD GEC PLANS

July 2026

SHEET 12

MB-7T, MB-7B

→ Surface Flow

— 2' Contour (USGS)

County Boundary

Municipalities

Parcel

Centerline

Access Road

PSCo

Easement/ROW

Pull Pocket

Laydown Yard

Structure

Hydrologic Soil Group

A

B

C

D

□ Limits of Construction

— Buried gas utility

--- Overhead distribution

--- Underground distribution

--- Existing Xcel transmission

--- Existing transmission (non-Xcel)

Wetland feature (TetraTech field surveyed)

Wetland feature (TetraTech desktop surveyed)

Colorado Segmentation Stream

Access Point

FEMA Flood Hazard

Zone A

Zone AE

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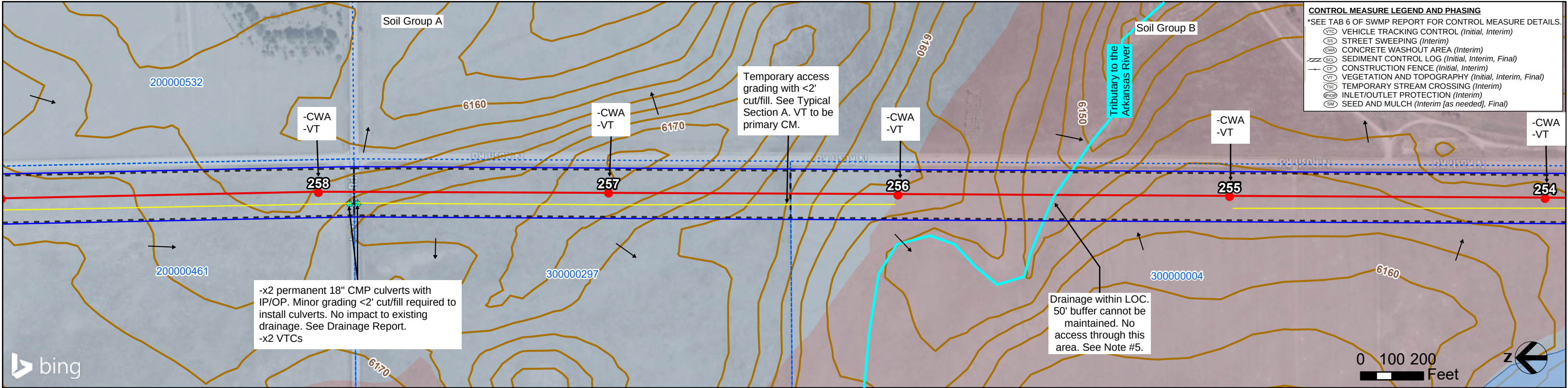
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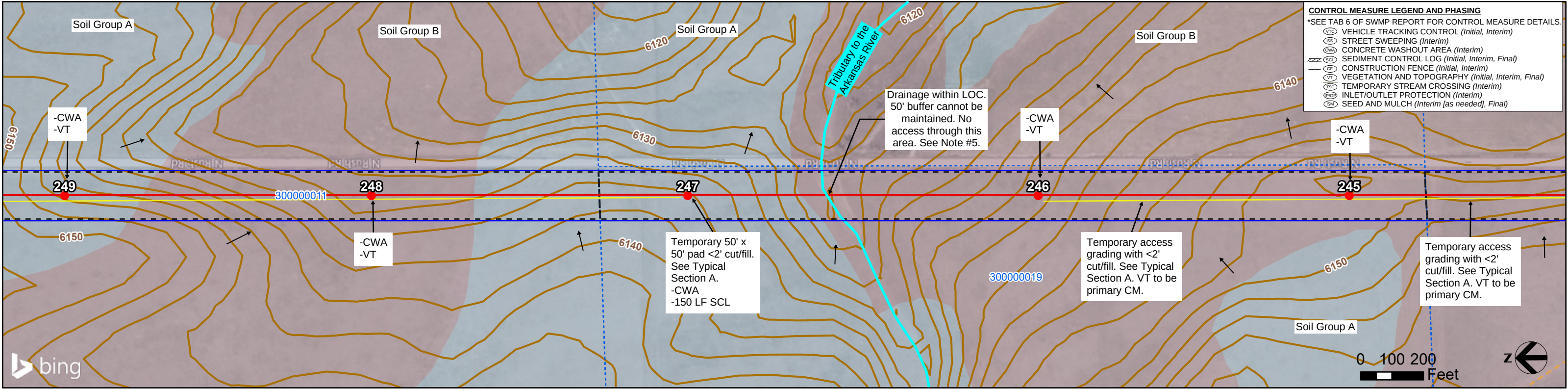
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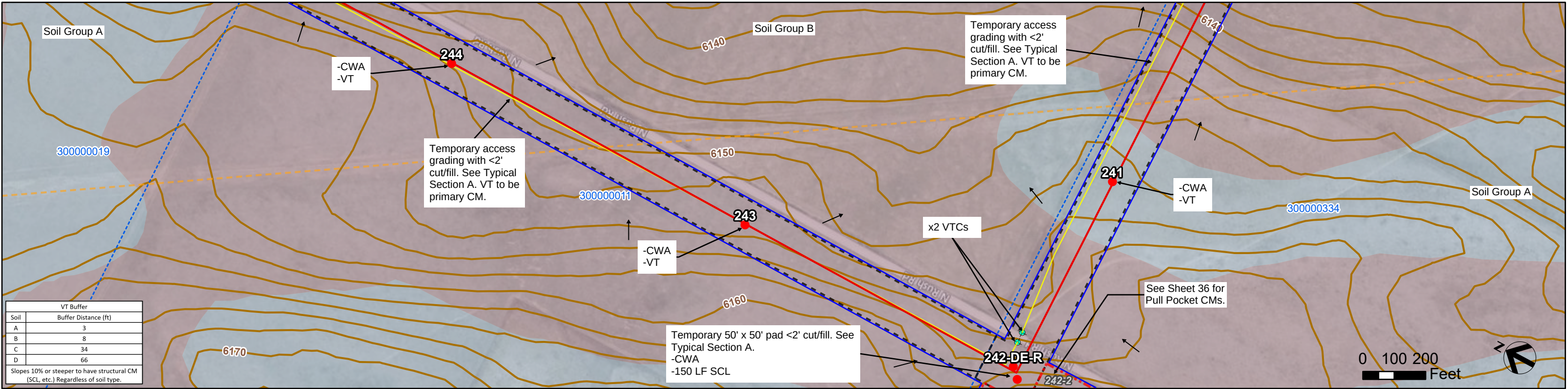
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CONTROL MEASURE LEGEND AND PHASING	
*SEE TAB 6 OF SWMP REPORT FOR CONTROL MEASURE DETAILS.	
	VEHICLE TRACKING CONTROL (Initial, Interim)
	STREET SWEEPING (Interim)
	CONCRETE WASHOUT AREA (Interim)
	SEDIMENT CONTROL LOG (Initial, Interim, Final)
	CONSTRUCTION FENCE (Initial, Interim)
	VEGETATION AND TOPOGRAPHY (Initial, Interim, Final)
	TEMPORARY STREAM CROSSING (Interim)
	INLET/OUTLET PROTECTION (Interim)
	SEED AND MULCH (Interim [as needed], Final)



VT Buffer	
Soil	Buffer Distance (ft)
A	3
B	8
C	34
D	66
Slopes 10% or steeper to have structural CM (SCL, etc.) Regardless of soil type.	

XCEL TLINE: PWAY SEG 5 EL PASO COUNTY BUILD GEC PLANS

July 2026

SHEET 14

MB-9T, MB-9B

Surface Flow

2' Contour (USGS)

County Boundary

Municipalities

Parcel

Centerline

Access Road

PSCo

Easement/ROW

Pull Pocket

Laydown Yard

Structure

Hydrologic Soil Group

A

B

C

D

Limits of Construction

Buried gas utility

Overhead distribution

Underground distribution

Existing Xcel transmission

Existing transmission (non-Xcel)

Wetland feature (TetraTech field surveyed)

Wetland feature (TetraTech desktop surveyed)

Colorado Segmentation Stream

Access Point

FEMA Flood Hazard

Zone A

Zone AE

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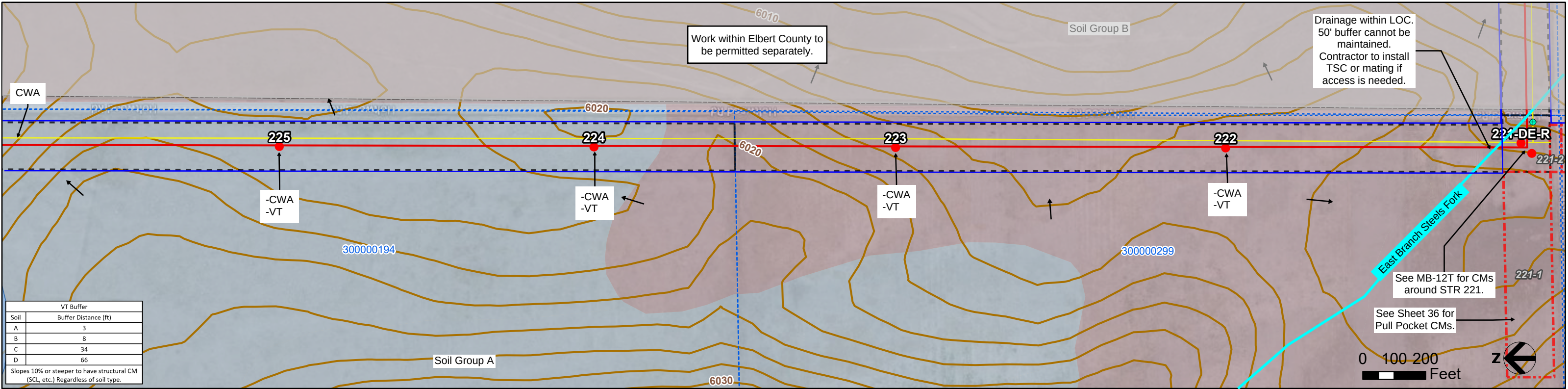
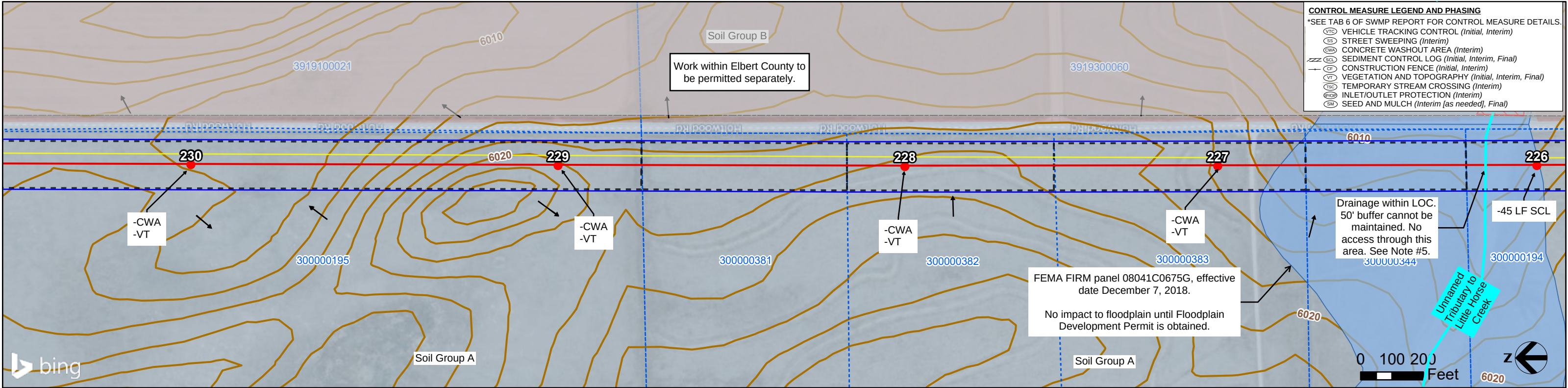
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XCEL TLINE: PWAY SEG 5 EL PASO COUNTY BUILD GEC PLANS

July 2026

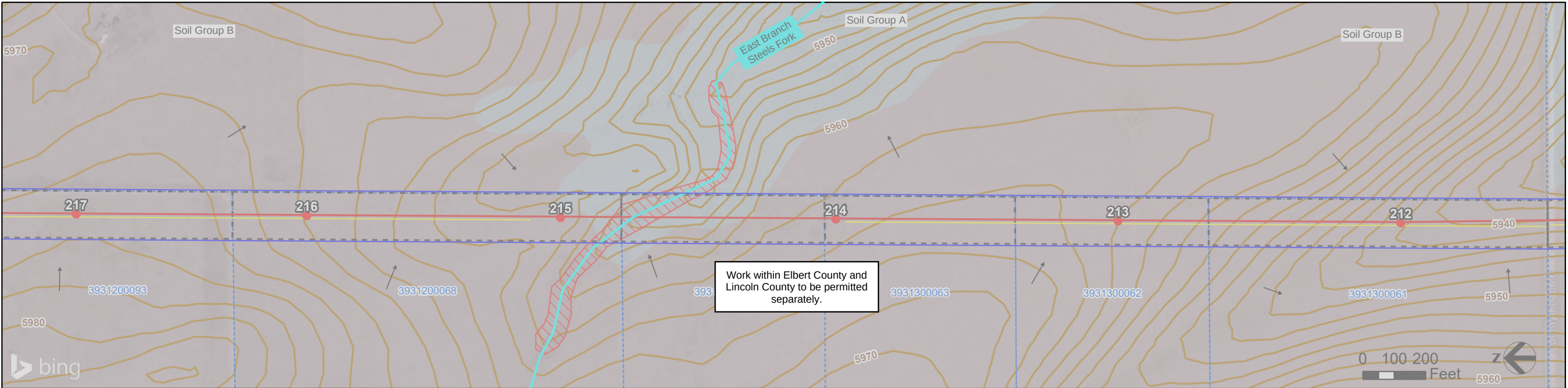
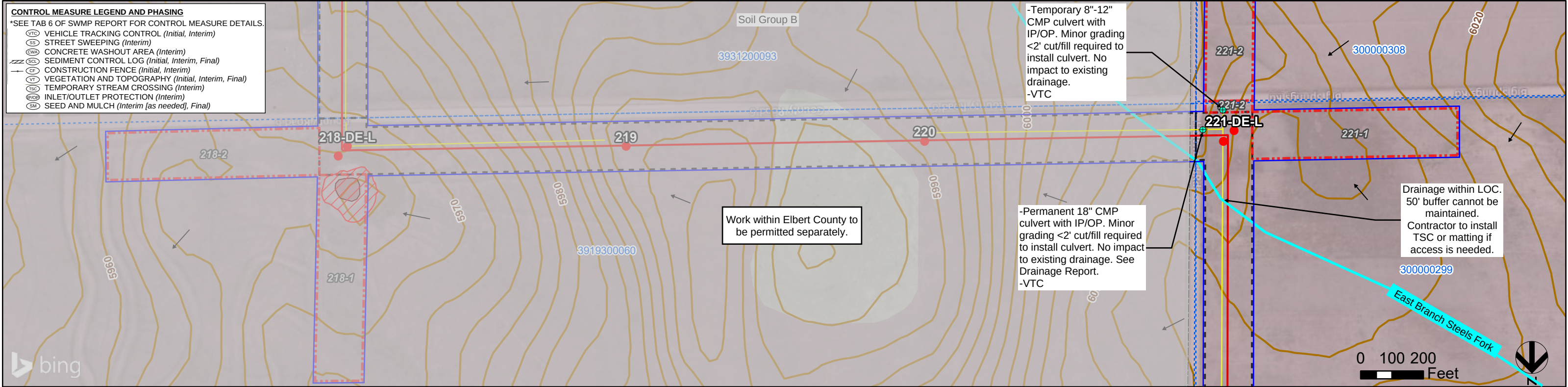
SHEET 16

MB-11T, MB-11B

- Surface Flow
- 2' Contour (USGS)
- County Boundary
- Municipalities
- Parcel
- Centerline
- Access Road
- PSCo
- Easement/ROW
- Pull Pocket
- Laydown Yard
- Structure
- Hydrologic Soil Group
 - A
 - B
 - C
 - D
- Limits of Construction
- Buried gas utility
- Overhead distribution
- Underground distribution
- Existing Xcel transmission
- Existing transmission (non-Xcel)
- Wetland feature (TetraTech field surveyed)
- Wetland feature (TetraTech desktop surveyed)
- Colorado Segmentation Stream
- Access Point
- FEMA Flood Hazard
 - Zone A
 - Zone AE

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XCEL TLINE: PWAY SEG 5 EL PASO COUNTY BUILD GEC PLANS

July 2026

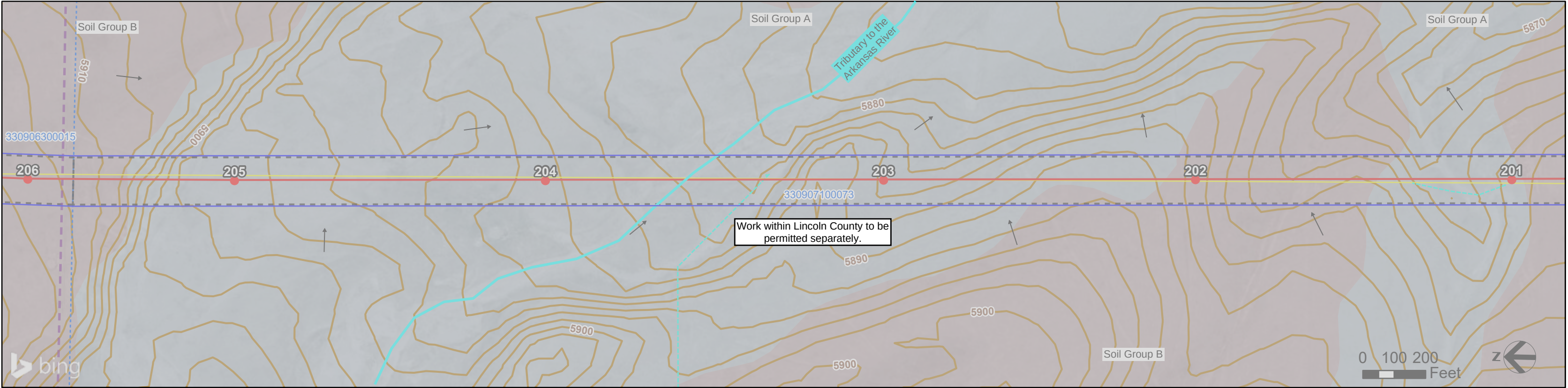
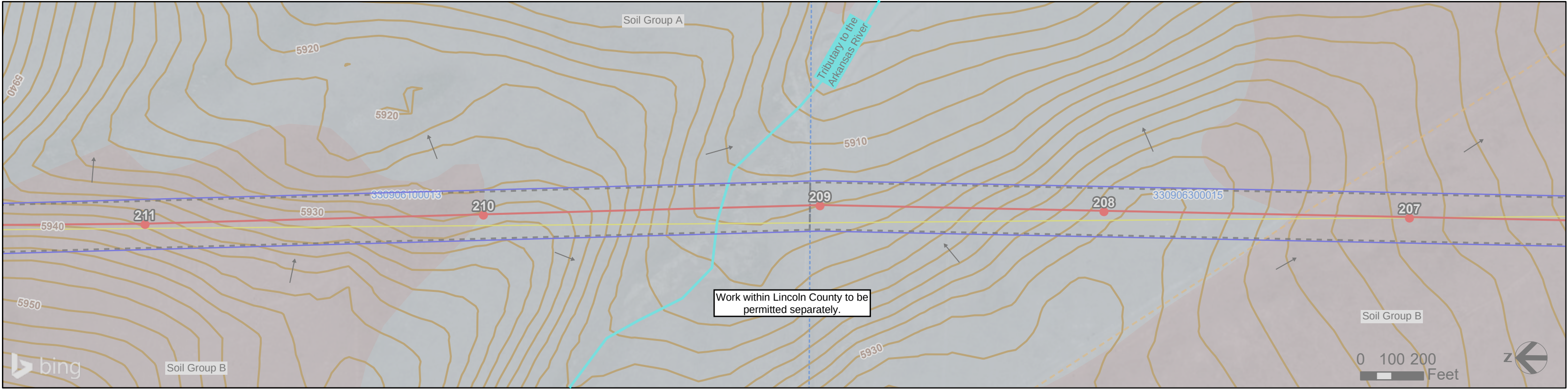
SHEET 17

MB-12T, MB-12B

Surface Flow	Limits of Construction
2' Contour (USGS)	Buried gas utility
County Boundary	Overhead distribution
Municipalities	Underground distribution
Parcel	Existing Xcel transmission
Centerline	Existing transmission (non-Xcel)
Access Road	Wetland feature (TetraTech field surveyed)
PSCo	Wetland feature (TetraTech desktop surveyed)
Easement/ROW	Colorado Segmentation Stream
Pull Pocket	Access Point
Laydown Yard	
Structure	
Hydrologic Soil Group	FEMA Flood Hazard
A	Zone A
C	Zone AE
B	
D	

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XCEL TLINE: PWAY SEG
5 EL PASO COUNTY
BUILD GEC PLANS

July 2026

SHEET 18

MB-13T, MB-13B

 Surface Flow

 2' Contour (USGS)

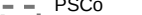
 County Boundary

 Municipalities

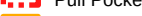
 Parcel

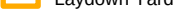
 Centerline

 Access Road

 PSCo

 Easement/ROW

 Pull Pocket

 Laydown Yard

 Structure

Hydrologic Soil Group

 A

 B

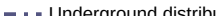
 C

 D

 Limits of Construction

 Buried gas utility

 Overhead distribution

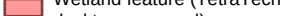
 Underground distribution

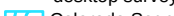
 Existing Xcel transmission

 Existing transmission (non-Xcel)

 Wetland feature (TetraTech field surveyed)

 Wetland feature (TetraTech desktop surveyed)

 Colorado Segmentation Stream

 Access Point

FEMA Flood Hazard

 Zone A

 Zone AE

NOTES:

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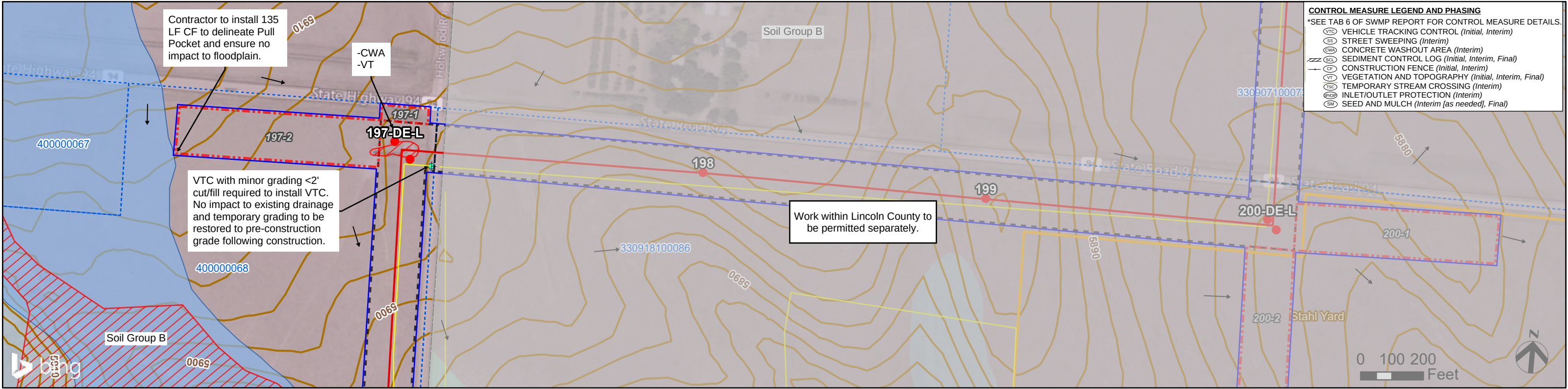
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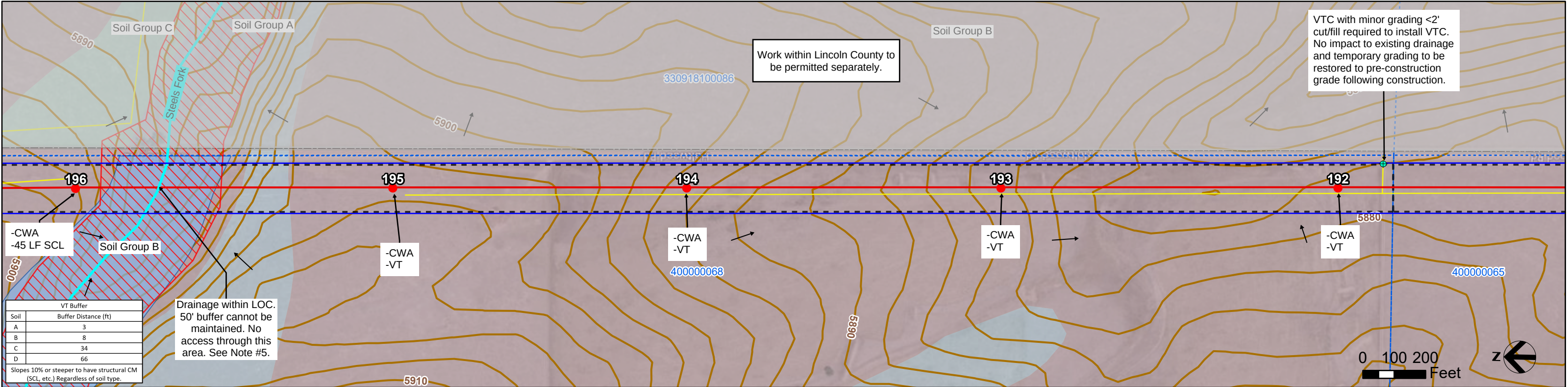
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CONTROL MEASURE LEGEND AND PHASING	
*SEE TAB 6 OF SWMP REPORT FOR CONTROL MEASURE DETAILS.	
(VTC)	VEHICLE TRACKING CONTROL (Initial, Interim)
(SS)	STREET SWEEPING (Interim)
(CWA)	CONCRETE WASHOUT AREA (Interim)
(SCL)	SEDIMENT CONTROL LOG (Initial, Interim, Final)
(CF)	CONSTRUCTION FENCE (Initial, Interim)
(VT)	VEGETATION AND TOPOGRAPHY (Initial, Interim, Final)
(TSC)	TEMPORARY STREAM CROSSING (Interim)
(IPOP)	INLET/OUTLET PROTECTION (Interim)
(SM)	SEED AND MULCH (Interim [as needed], Final)



VT Buffer	
Soil	Buffer Distance (ft)
A	3
B	8
C	34
D	66

Slopes 10% or steeper to have structural CM (SCL, etc.) Regardless of soil type.



XCEL TLINE: PWAY SEG 5 EL PASO COUNTY BUILD GEC PLANS

July 2026

SHEET 19

MB-14T, MB-14B

→ Surface Flow

2' Contour (USGS)

County Boundary

Municipalities

Parcel

Centerline

Access Road

PSCo

Easement/ROW

Pull Pocket

Laydown Yard

Structure

Hydrologic Soil Group

A

B

C

D

Limits of Construction

Buried gas utility

Overhead distribution

Underground distribution

Existing Xcel transmission

Existing transmission (non-Xcel)

Wetland feature (TetraTech field surveyed)

Wetland feature (TetraTech desktop surveyed)

Colorado Segmentation Stream

Access Point

FEMA Flood Hazard

Zone A

Zone AE

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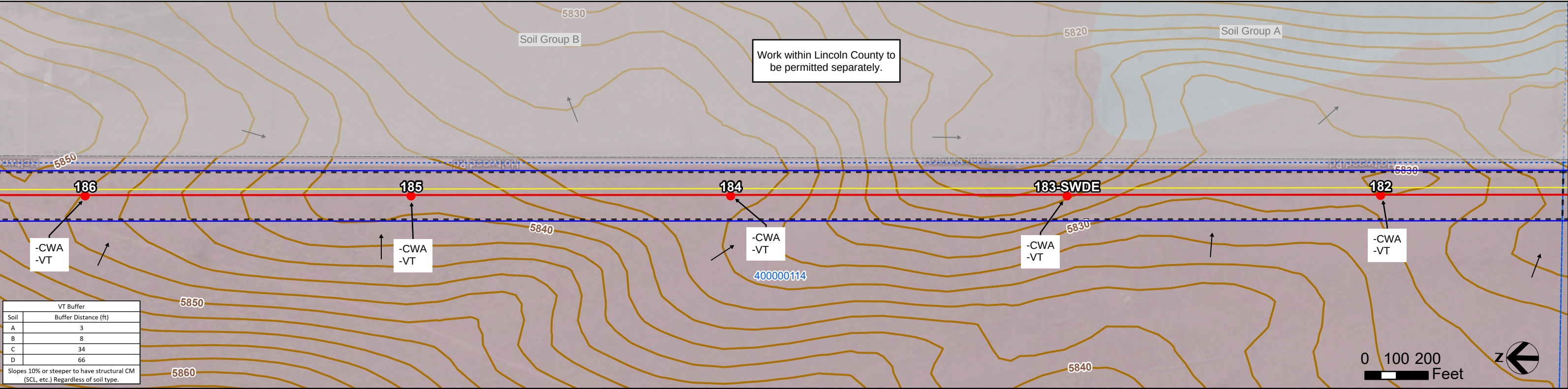
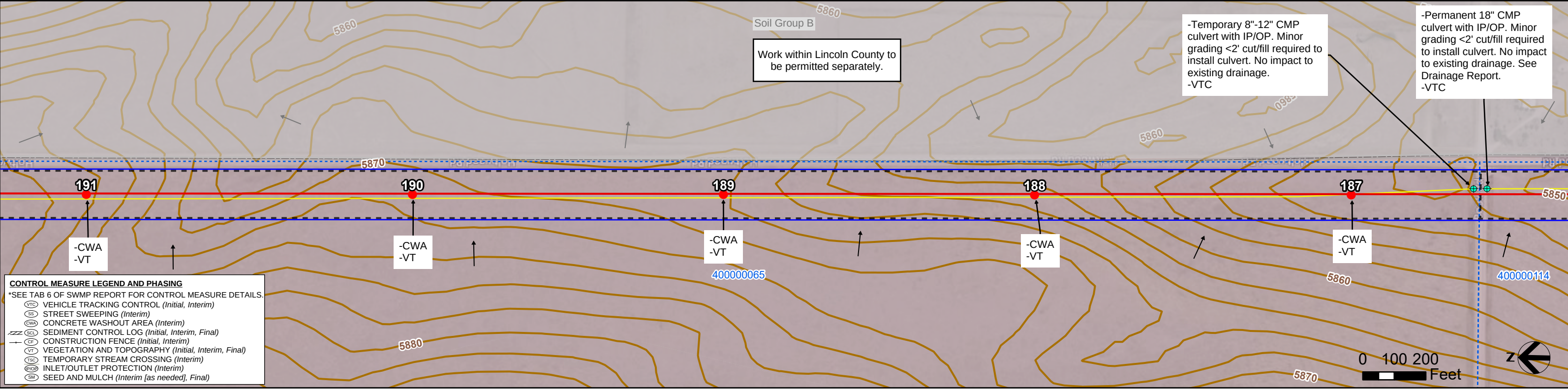
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XCEL TLINE: PWAY SEG 5 EL PASO COUNTY BUILD GEC PLANS

July 2026

SHEET 20

MB-15T, MB-15B

→ Surface Flow

— 2' Contour (USGS)

▬ County Boundary

▨ Municipalities

▨ Parcel

— Centerline

— Access Road

▨ PSCo

▨ Easement/ROW

▨ Pull Pocket

▨ Laydown Yard

● Structure

Hydrologic Soil Group

A B C D

▭ Limits of Construction

▭ Buried gas utility

▭ Overhead distribution

▭ Underground distribution

▭ Existing Xcel transmission

▭ Existing transmission (non-Xcel)

▨ Wetland feature (TetraTech field surveyed)

▨ Wetland feature (TetraTech desktop surveyed)

▨ Colorado Segmentation Stream

● Access Point

FEMA Flood Hazard

Zone A Zone AE

NOTES:

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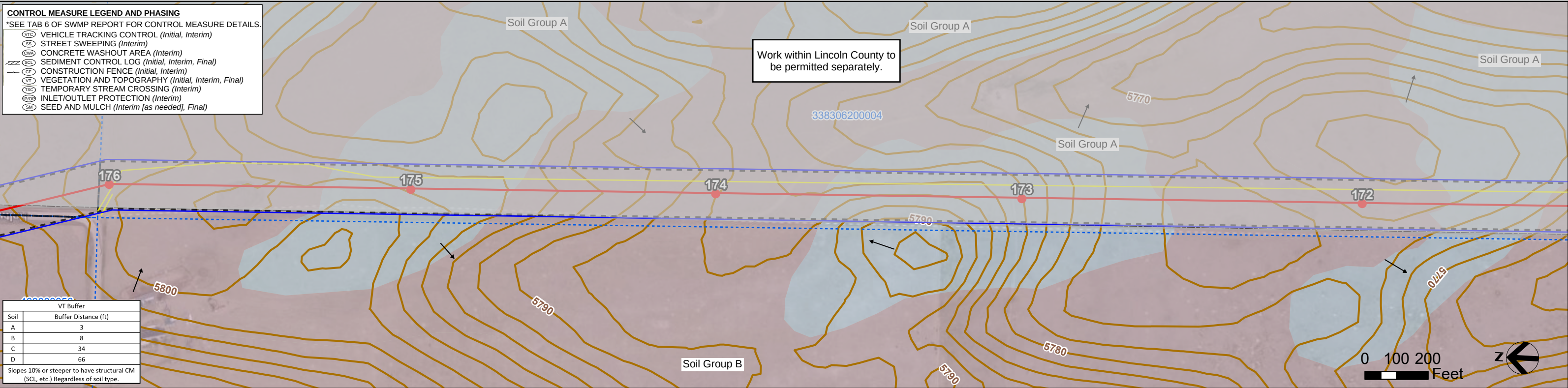
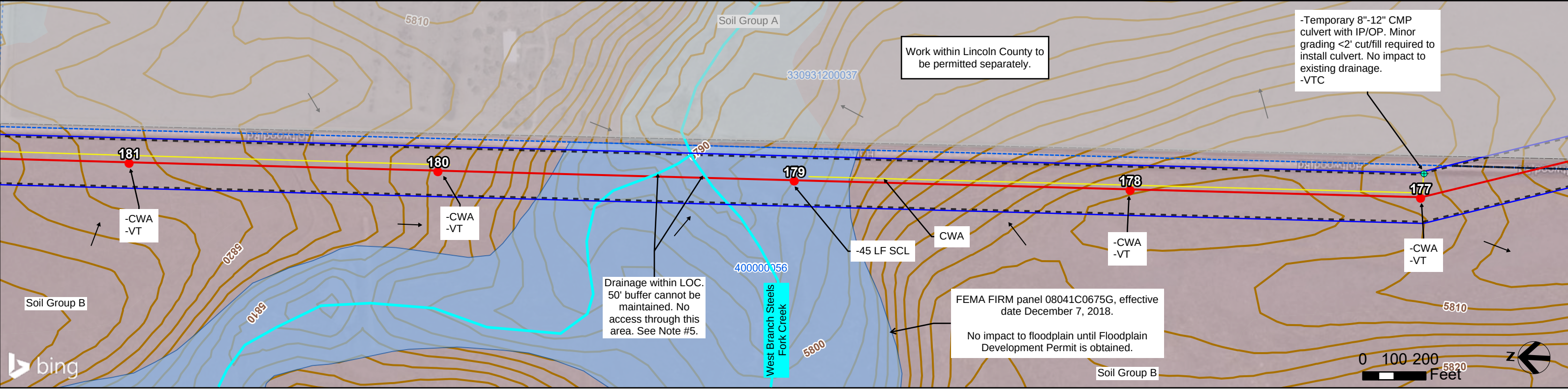
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XCEL TLINE: PWAY SEG 5 EL PASO COUNTY BUILD GEC PLANS

July 2026

SHEET 21

MB-16T, MB-16B

→ Surface Flow

— 2' Contour (USGS)

▬ County Boundary

▨ Municipalities

▨ Parcel

— Centerline

— Access Road

▨ PSCo

▨ Easement/ROW

▨ Pull Pocket

▨ Laydown Yard

● Structure

Hydrologic Soil Group

A

B

C

D

▭ Limits of Construction

— Buried gas utility

--- Overhead distribution

--- Underground distribution

--- Existing Xcel transmission

--- Existing transmission (non-Xcel)

▨ Wetland feature (TetraTech field surveyed)

▨ Wetland feature (TetraTech desktop surveyed)

▨ Colorado Segmentation Stream

● Access Point

FEMA Flood Hazard

Zone A

Zone AE

NOTES:

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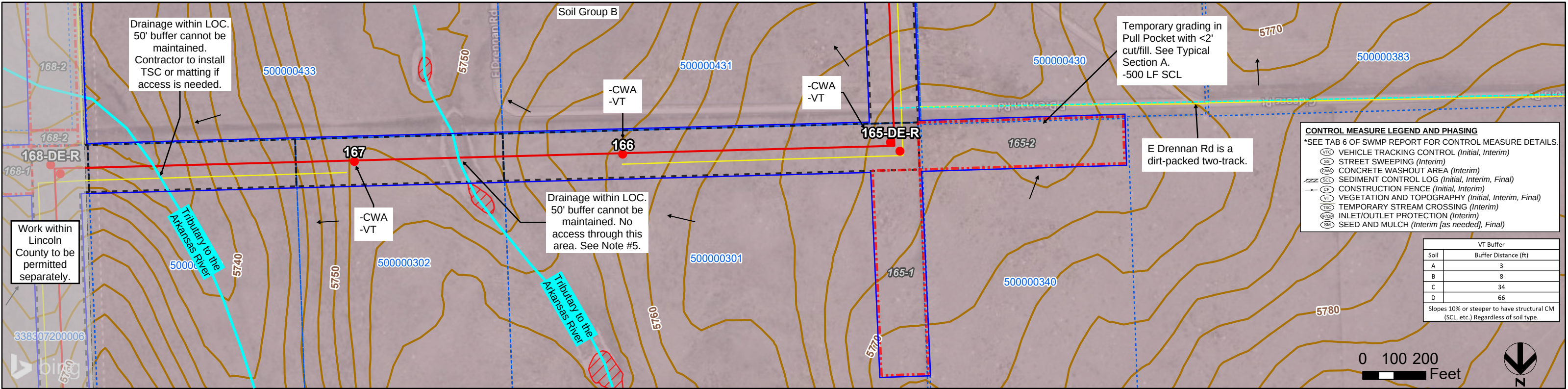
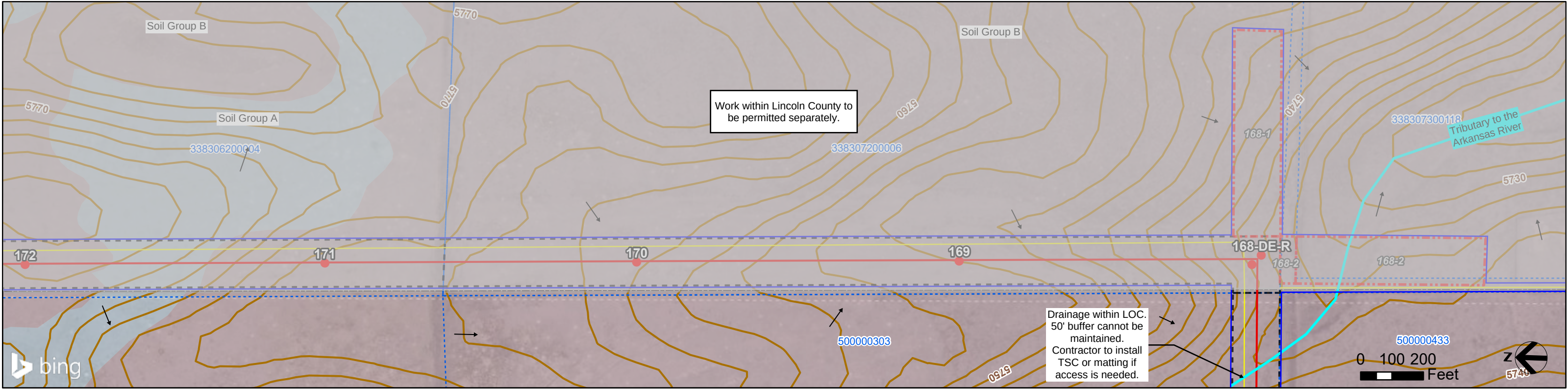
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XCEL TLINE: PWAY SEG 5 EL PASO COUNTY BUILD GEC PLANS

July 2026

SHEET 22

MB-17T, MB-17B



Surface Flow



2' Contour (USGS)



County Boundary



Municipalities



Parcel



Centerline



Access Road



PSCo



Easement/ROW



Pull Pocket



Laydown Yard



Structure



A



B



C



D



Limits of Construction



Buried gas utility



Overhead distribution



Underground distribution



Existing Xcel transmission



Existing transmission (non-Xcel)



Wetland feature (TetraTech field surveyed)



Wetland feature (TetraTech desktop surveyed)



Colorado Segmentation Stream



Access Point



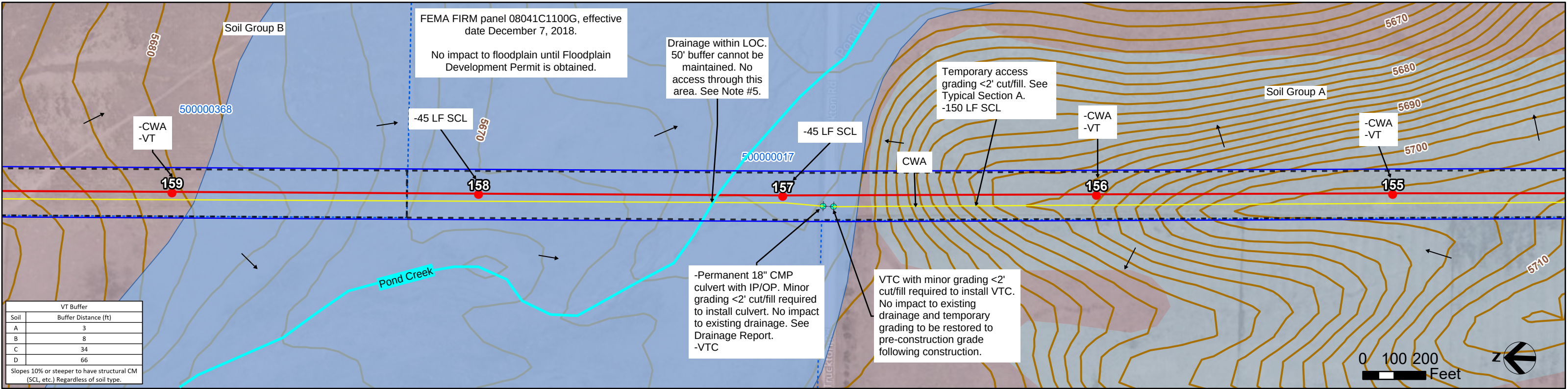
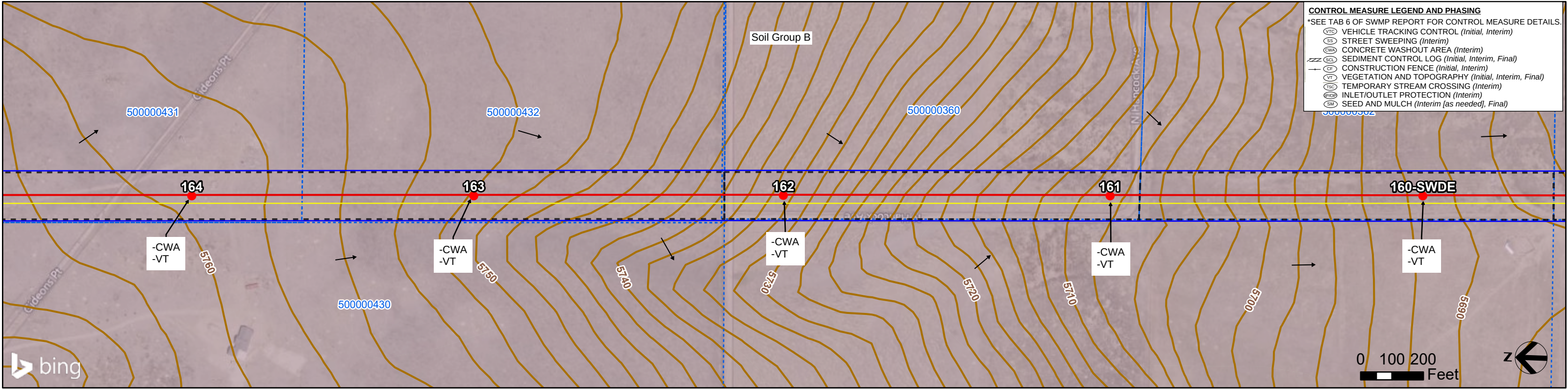
Zone A



Zone AE

NOTES:

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XCEL TLINE: PWAY SEG 5 EL PASO COUNTY BUILD GEC PLANS

July 2026

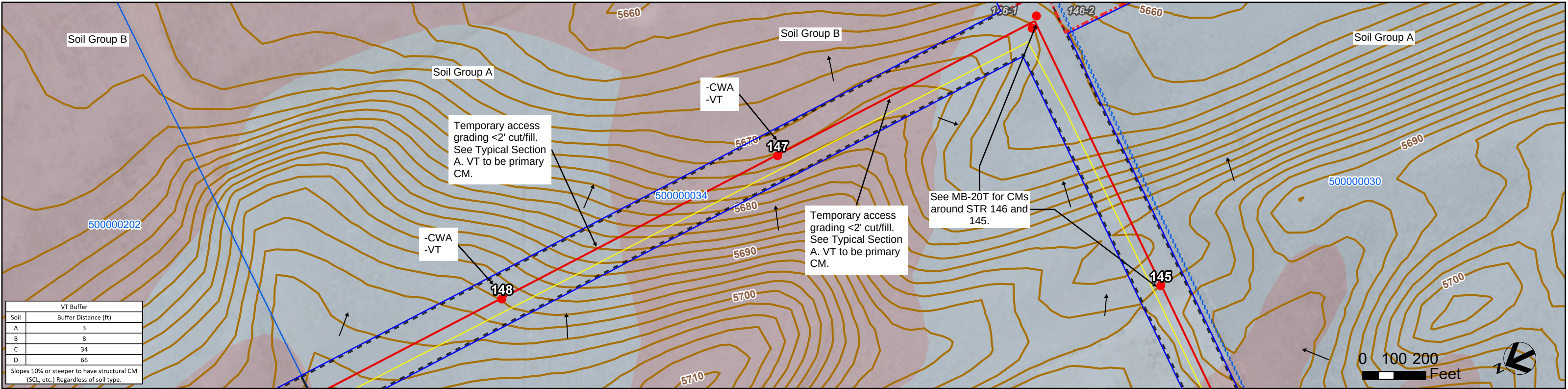
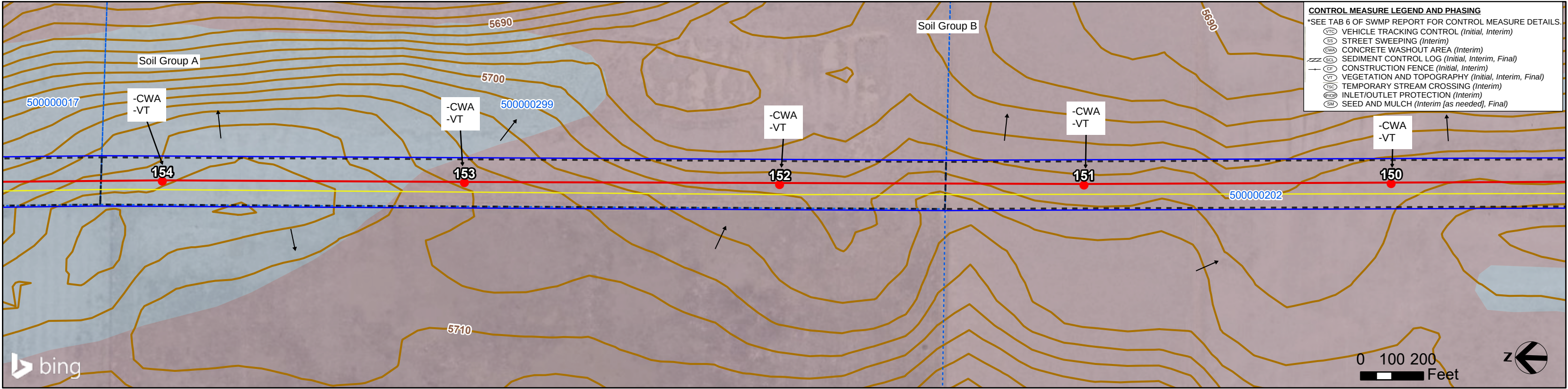
SHEET 23

MB-18T, MB-18B

- Surface Flow
- 2' Contour (USGS)
- County Boundary
- Municipalities
- Parcel
- Centerline
- Access Road
- PSCo
- Easement/ROW
- Pull Pocket
- Laydown Yard
- Structure
- Hydrologic Soil Group
 - A
 - B
 - C
 - D
- Limits of Construction
- Buried gas utility
- Overhead distribution
- Underground distribution
- Existing Xcel transmission
- Existing transmission (non-Xcel)
- Wetland feature (TetraTech field surveyed)
- Wetland feature (TetraTech desktop surveyed)
- Colorado Segmentation Stream
- Access Point
- FEMA Flood Hazard
 - Zone A
 - Zone AE

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XCEL TLINE: PWAY SEG 5 EL PASO COUNTY BUILD GEC PLANS

July 2026

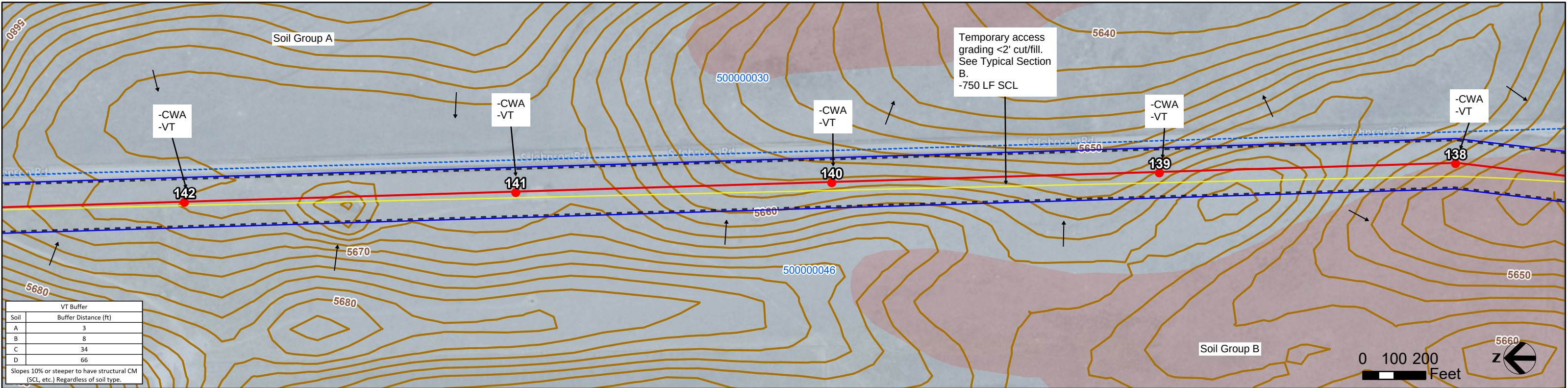
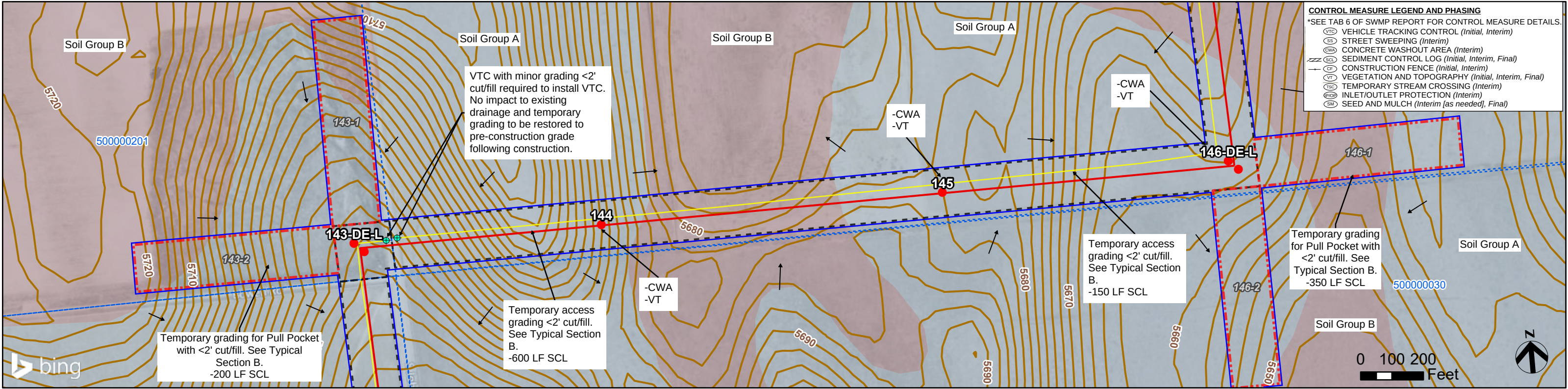
SHEET 24

MB-19T, MB-19B

- Surface Flow
- 2' Contour (USGS)
- County Boundary
- Municipalities
- Parcel
- Centerline
- Access Road
- PSCo
- Easement/ROW
- Pull Pocket
- Laydown Yard
- Structure
- Hydrologic Soil Group
 - A
 - B
 - C
 - D
- Limits of Construction
- Buried gas utility
- Overhead distribution
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- Access Point
- FEMA Flood Hazard
 - Zone A
 - Zone AE

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XCEL TLINE: PWAY SEG 5 EL PASO COUNTY BUILD GEC PLANS

July 2026

SHEET 25

MB-20T, MB-20B



Surface Flow



2' Contour (USGS)



County Boundary



Municipalities



Parcel



Centerline



Access Road



PSCo



Easement/ROW



Pull Pocket



Laydown Yard



Structure



Hydrologic Soil Group



A



B



C



D



Limits of Construction



Buried gas utility



Overhead distribution



Underground distribution



Existing Xcel transmission



Existing transmission (non-Xcel)



Wetland feature (TetraTech field surveyed)



Wetland feature (TetraTech desktop surveyed)



Colorado Segmentation Stream



Access Point



FEMA Flood Hazard



Zone A



Zone AE

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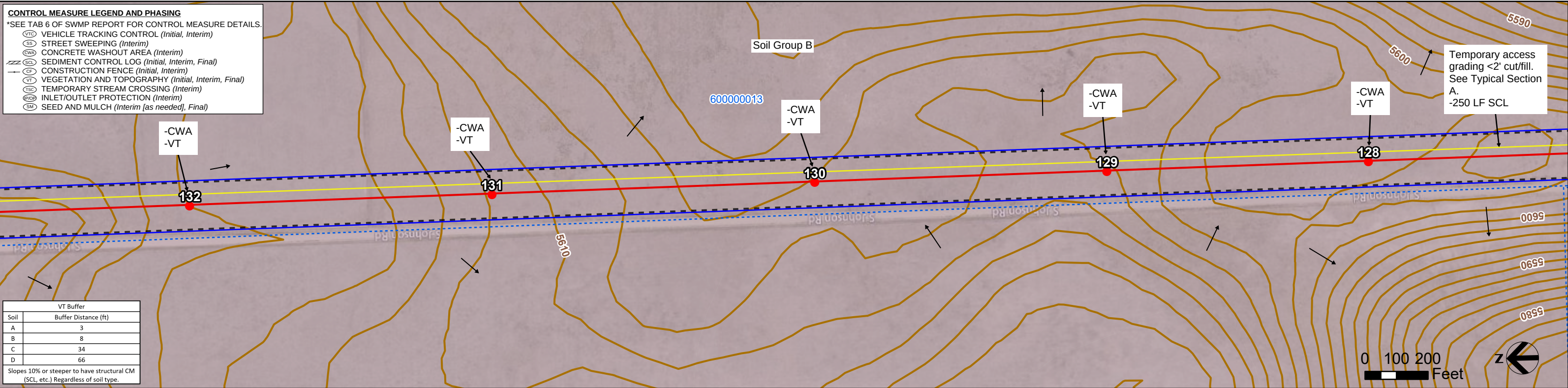
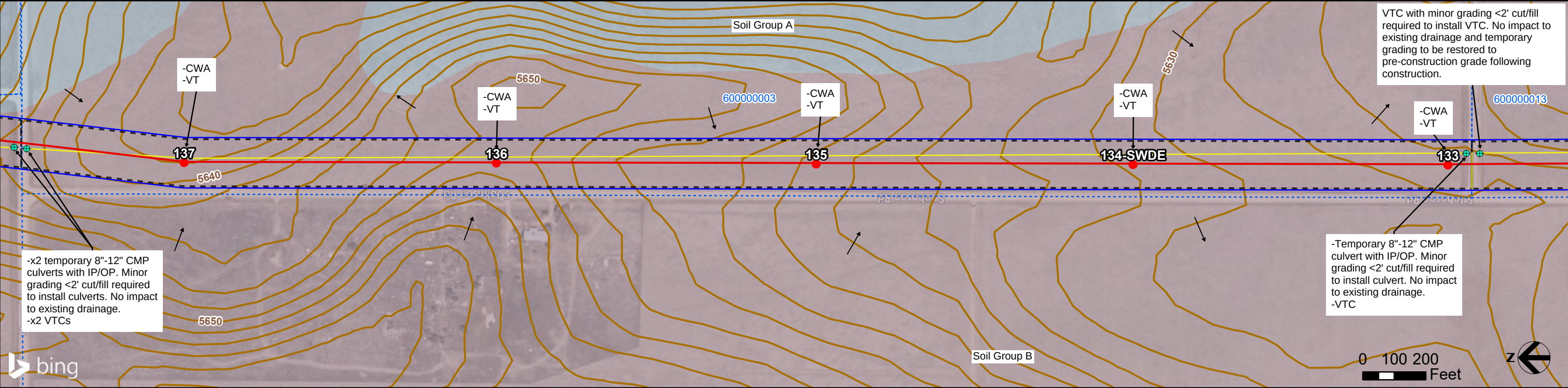
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XCEL TLINE: PWAY SEG 5 EL PASO COUNTY BUILD GEC PLANS

July 2026

SHEET 26

MB-21T, MB-21B

Surface Flow

2' Contour (USGS)

County Boundary

Municipalities

Parcel

Centerline

Access Road

PSCo

Easement/ROW

Pull Pocket

Laydown Yard

Structure

Hydrologic Soil Group

A

B

C

D

Limits of Construction

Buried gas utility

Overhead distribution

Underground distribution

Existing Xcel transmission

Existing transmission (non-Xcel)

Wetland feature (TetraTech field surveyed)

Wetland feature (TetraTech desktop surveyed)

Colorado Segmentation Stream

Access Point

FEMA Flood Hazard

Zone A

Zone AE

NOTES:

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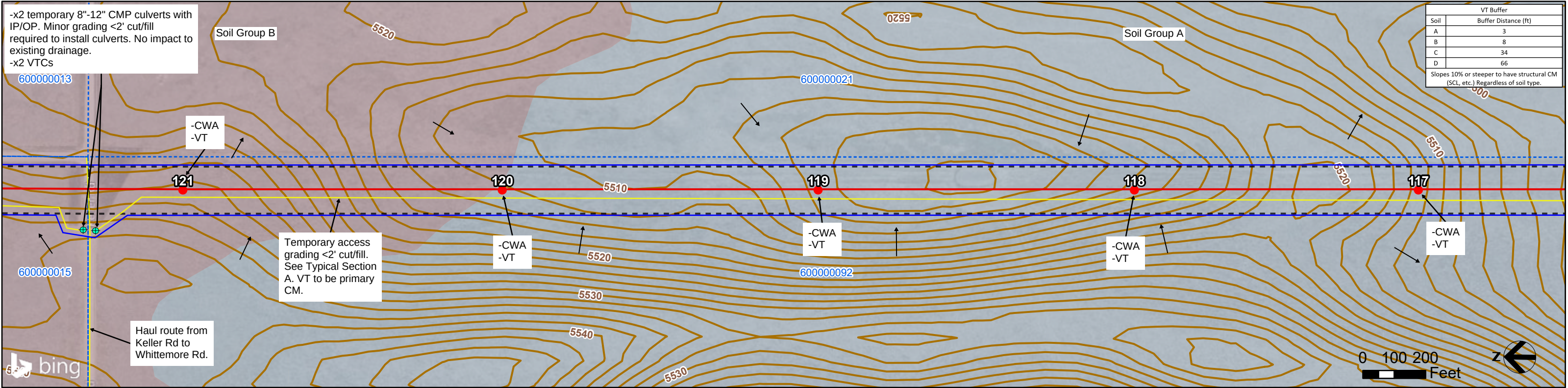
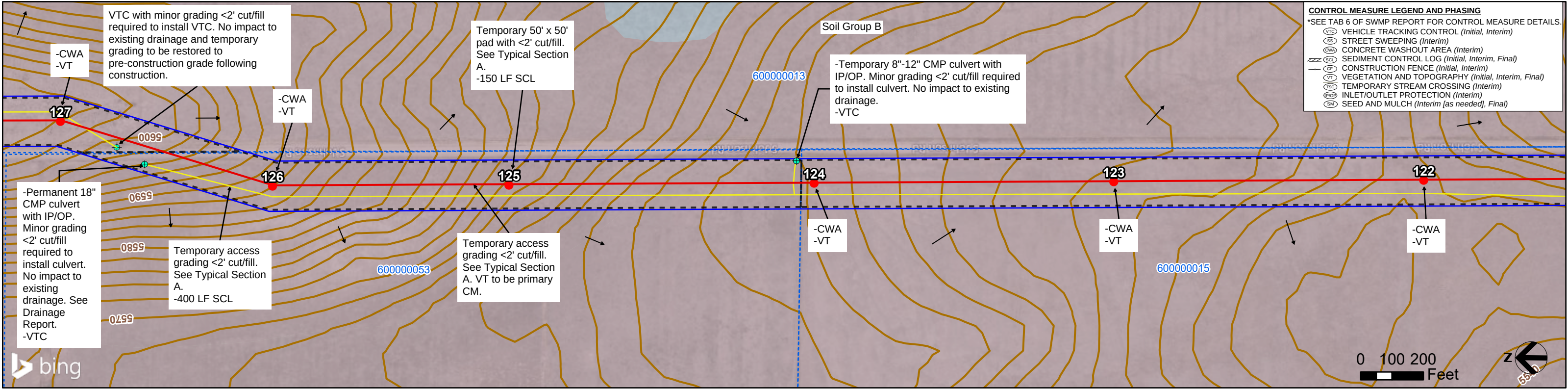
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XCEL TLINE: PWAY SEG 5 EL PASO COUNTY BUILD GEC PLANS

July 2026

SHEET 27

MB-22T, MB-22B

→ Surface Flow

— 2' Contour (USGS)

County Boundary

Municipalities

Parcel

Centerline

Access Road

PSCo

Easement/ROW

Pull Pocket

Laydown Yard

Structure

Hydrologic Soil Group

A

B

C

D

□ Limits of Construction

— Buried gas utility

— Overhead distribution

— Underground distribution

— Existing Xcel transmission

— Existing transmission (non-Xcel)

Wetland feature (TetraTech field surveyed)

Wetland feature (TetraTech desktop surveyed)

Colorado Segmentation Stream

Access Point

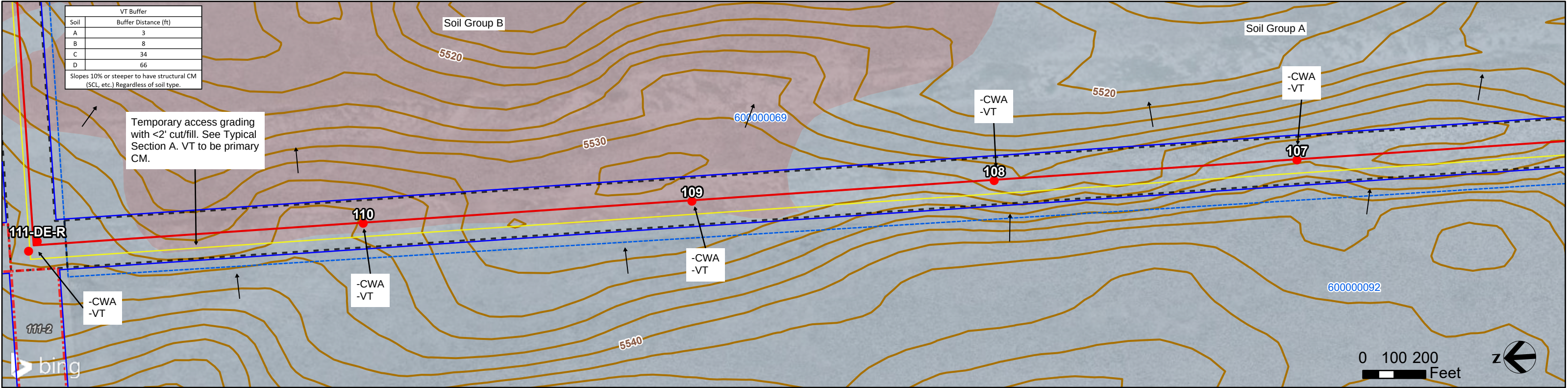
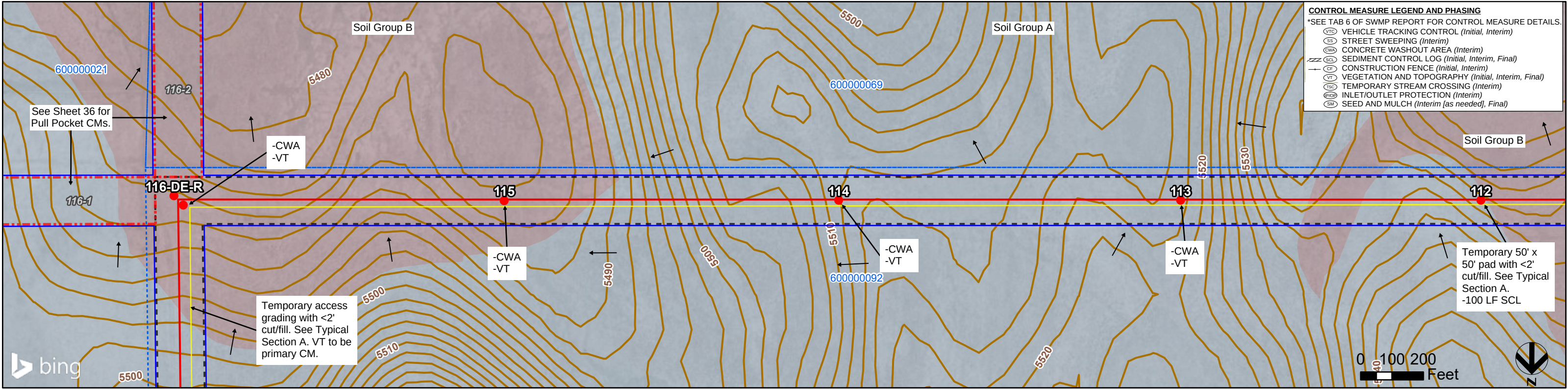
FEMA Flood Hazard

Zone A

Zone AE

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XCEL TLINE: PWAY SEG 5 EL PASO COUNTY BUILD GEC PLANS

July 2026

SHEET 28

MB-23T, MB-23B

→ Surface Flow

2' Contour (USGS)

County Boundary

Municipalities

Parcel

Centerline

Access Road

PSCo

Easement/ROW

Pull Pocket

Laydown Yard

Structure

Hydrologic Soil Group

A

B

C

D

Limits of Construction

Buried gas utility

Overhead distribution

Underground distribution

Existing Xcel transmission

Existing transmission (non-Xcel)

Wetland feature (TetraTech field surveyed)

Wetland feature (TetraTech desktop surveyed)

Colorado Segmentation Stream

Access Point

FEMA Flood Hazard

Zone A

Zone AE

NOTES:

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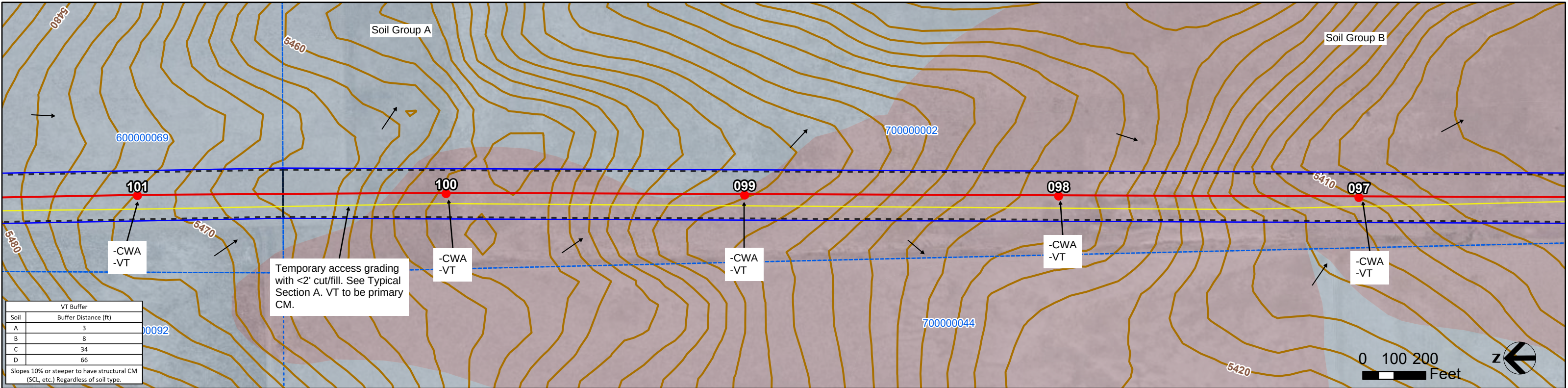
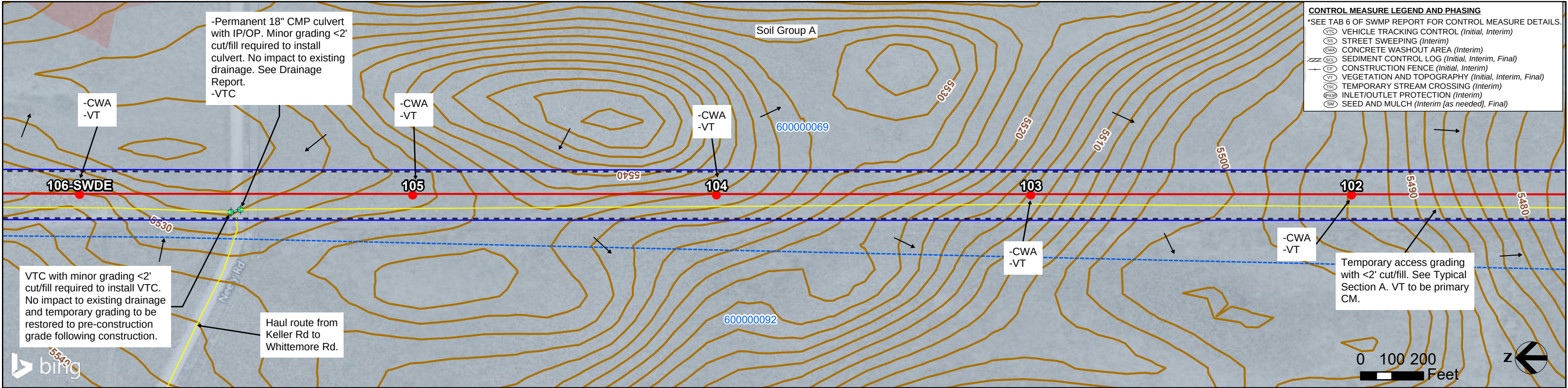
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XCEL TLINE: PWAY SEG 5 EL PASO COUNTY BUILD GEC PLANS

July 2026

SHEET 29

MB-24T, MB-24B

→ Surface Flow

2' Contour (USGS)

County Boundary

Municipalities

Parcel

Centerline

Access Road

PSCo

Easement/ROW

Pull Pocket

Laydown Yard

Structure

Hydrologic Soil Group

A

B

C

D

→ Limits of Construction

→ Buried gas utility

→ Overhead distribution

→ Underground distribution

→ Existing Xcel transmission

→ Existing transmission (non-Xcel)

→ Wetland feature (TetraTech field surveyed)

→ Wetland feature (TetraTech desktop surveyed)

→ Colorado Segmentation Stream

→ Access Point

FEMA Flood Hazard

→ Zone A

→ Zone AE

NOTES:

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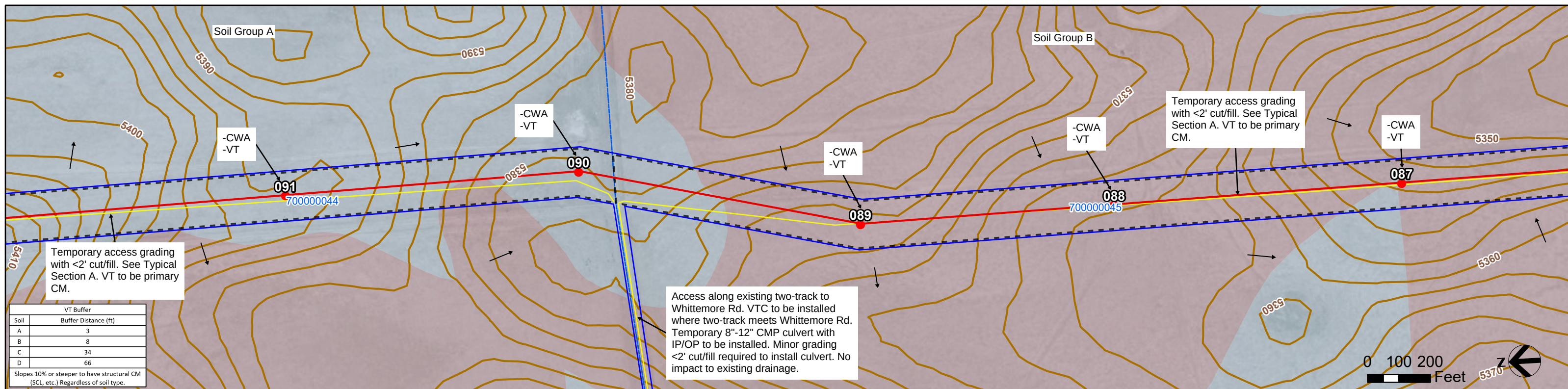
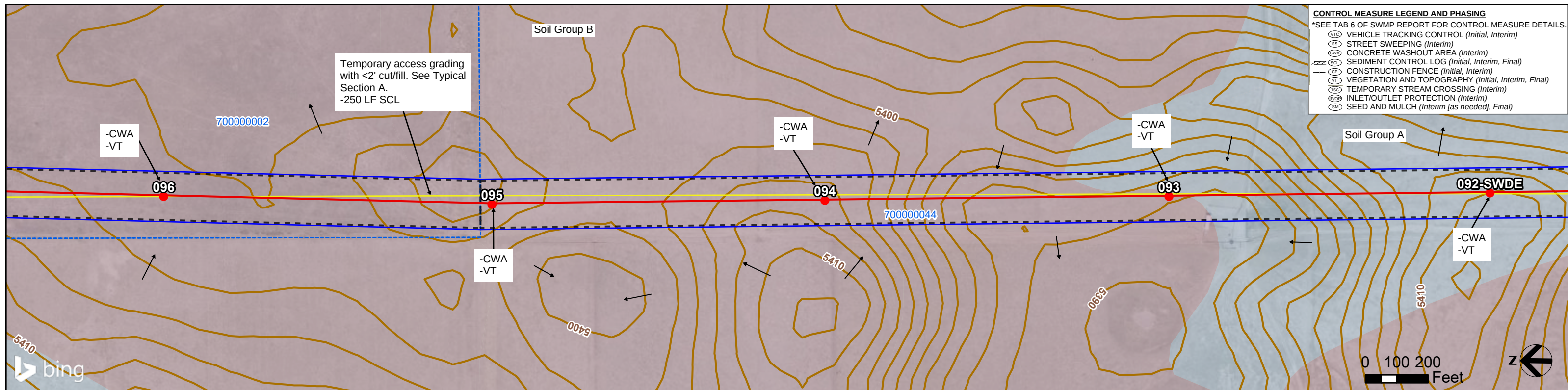
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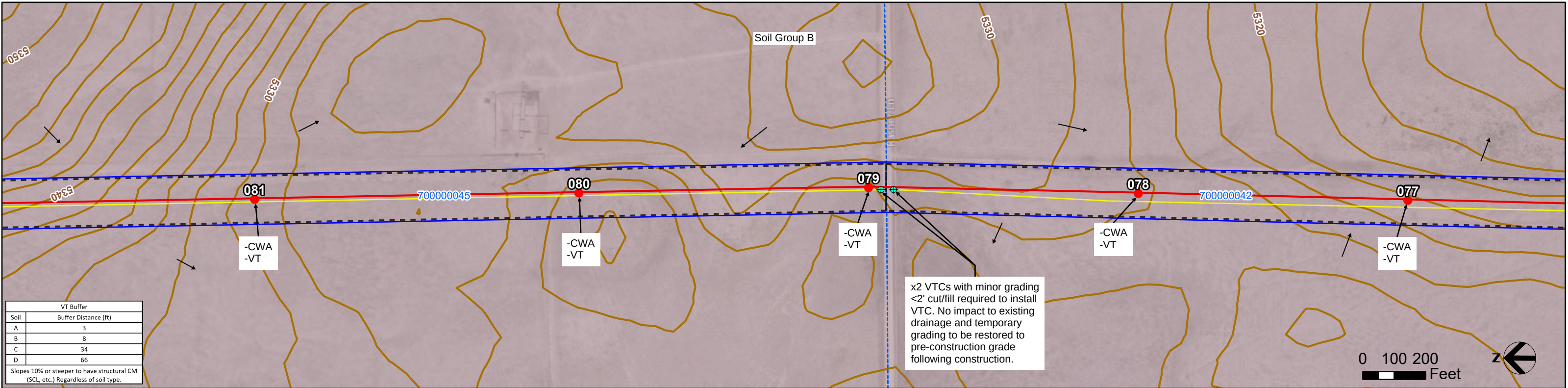
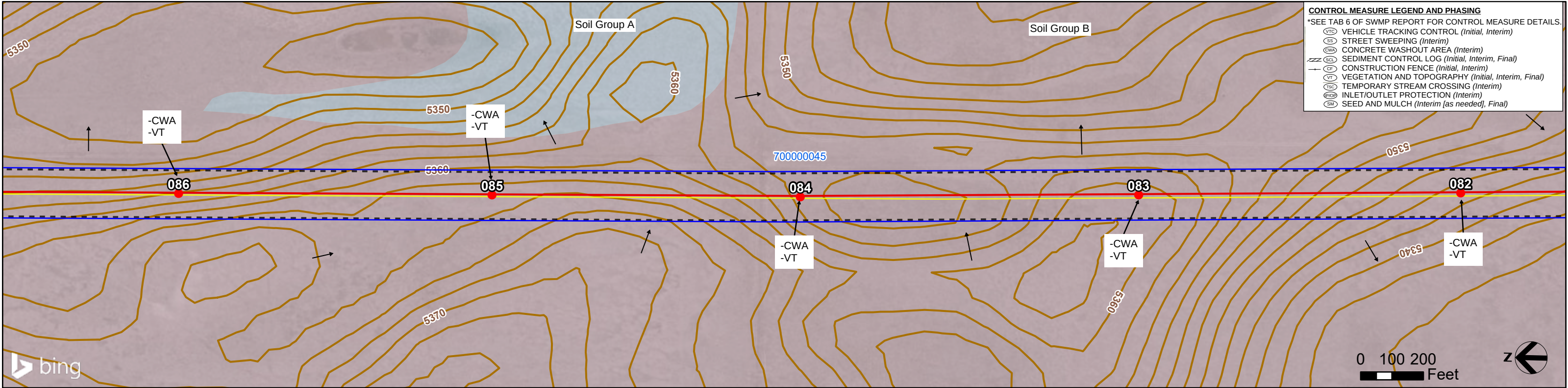
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	XCEL TLINE: PWAY SEG 5 EL PASO COUNTY BUILD GEC PLANS	→ Surface Flow — 2' Contour (USGS) ▬ County Boundary ▬ Municipalities ▬ Parcel — Centerline — Access Road ▬ PSCo ▬ Easement/ROW ▬ Pull Pocket ▬ Laydown Yard ● Structure Hydrologic Soil Group <table border="0"> <tr> <td>■ A</td> <td>■ C</td> </tr> <tr> <td>■ B</td> <td>■ D</td> </tr> </table>	■ A	■ C	■ B	■ D	▬ Limits of Construction ▬ Buried gas utility ▬ Overhead distribution ▬ Underground distribution ▬ Existing Xcel transmission ▬ Existing transmission (non-Xcel) ▬ Wetland feature (TetraTech field surveyed) ▬ Wetland feature (TetraTech desktop surveyed) ▬ Colorado Segmentation Stream ● Access Point FEMA Flood Hazard <table border="0"> <tr> <td>▬ Zone A</td> </tr> <tr> <td>▬ Zone AE</td> </tr> </table>	▬ Zone A	▬ Zone AE	NOTES: - Disturbance anticipated to be limited to drive and crush access in the ROW (assumed 20' wide centered on access route), access grading, work pad grading around the structure where shown, individual structure pole excavation (assume 25' radius around each pole), pull site grading, and minor grading where ROW meets existing roadways. Grading and disturbance not to extend outside of Xcel's ROW. - Flow direction shown where surface flow direction is discernible given topography. Stormwater inspector to update active site maps with flow arrows accordingly and the location where stormwater has potential to leave the site. - Topsoil to be stripped, segregated from subsoil, and stockpiled for use during restoration. Install downgradient CMs for stockpiles during interim phase of construction. Contractor to update site maps with stockpile and CM locations. - Street sweep as necessary. - Named and unnamed drainages, steams, creeks, ditches, etc. within the LOC to maintain a 50' vegetative buffer where feasible. If a 50' vegetative buffer cannot be maintained, utilize sediment controls to prevent sediment transportation into waters. Avoid all transportation over waters unless infeasible. If infeasible, utilize matting or best management practices and contact Xcel Siting and Land Rights prior to drive-over. - VTC to be structural measure installed at existing grade unless otherwise noted. Contractor to install fence (CF or BF) at VTC to prevent drive-around if needed. Access areas going from dirt to dirt, consider utilizing VTC signage as structural control measure. - Contractor not to disturb wetlands unless confirmation of compliance with Clean Water Act Section 404 is provided by Siting and Land Rights Agent. - Disturbance within Pull Pocket expected to be minimal unless otherwise shown on maps. VT to be primary CM (see VT Buffer Table). If grading is required within Pull Pocket and VT buffer cannot be maintained, contractor to install SCL. - Contractor to install perimeter fencing (Boundary Fence, CF, etc.) if needed to delineate VT buffer extents. If contractor cannot maintain VT Buffer distance, SCL to be used as CM for disturbance. - Assume approximately 20% of access route to be disturbed due to equipment and vehicle access unless otherwise noted. Contractor to install CMs downgradient of disturbance if sediment transport is evident and VT buffer cannot be maintained.
■ A	■ C									
■ B	■ D									
▬ Zone A										
▬ Zone AE										
	July 2026 SHEET 30 MB-25T, MB-25B									



XCEL TLIN: PWAY SEG 5 EL PASO COUNTY BUILD GEC PLANS

July 2026

SHEET 31

MB-26T, MB-26B

→ Surface Flow

2' Contour (USGS)

County Boundary

Municipalities

Parcel

Centerline

Access Road

PSCo

Easement/ROW

Pull Pocket

Laydown Yard

Structure

Hydrologic Soil Group

A

B

C

D

▭ Limits of Construction

--- Buried gas utility

--- Overhead distribution

--- Underground distribution

--- Existing Xcel transmission

--- Existing transmission (non-Xcel)

▭ Wetland feature (TetraTech field surveyed)

▭ Wetland feature (TetraTech desktop surveyed)

▭ Colorado Segmentation Stream

● Access Point

FEMA Flood Hazard

▭ Zone A

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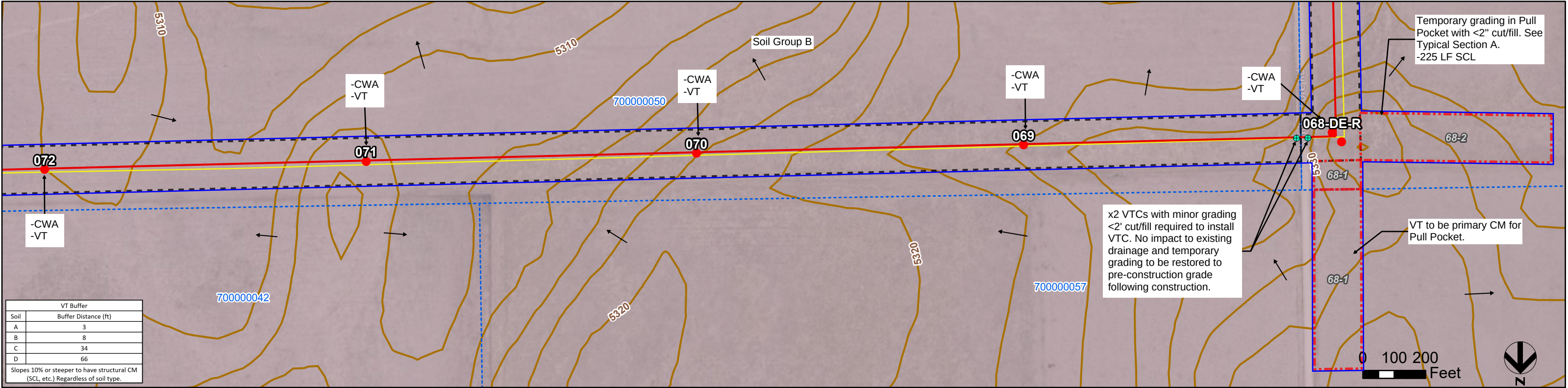
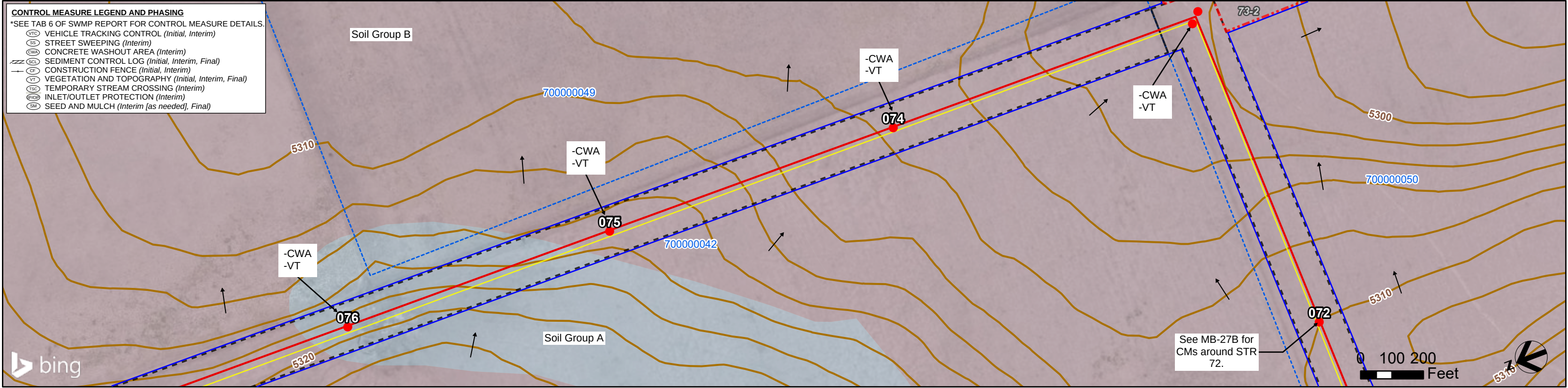
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XCEL TLINE: PWAY SEG 5 EL PASO COUNTY BUILD GEC PLANS

July 2026

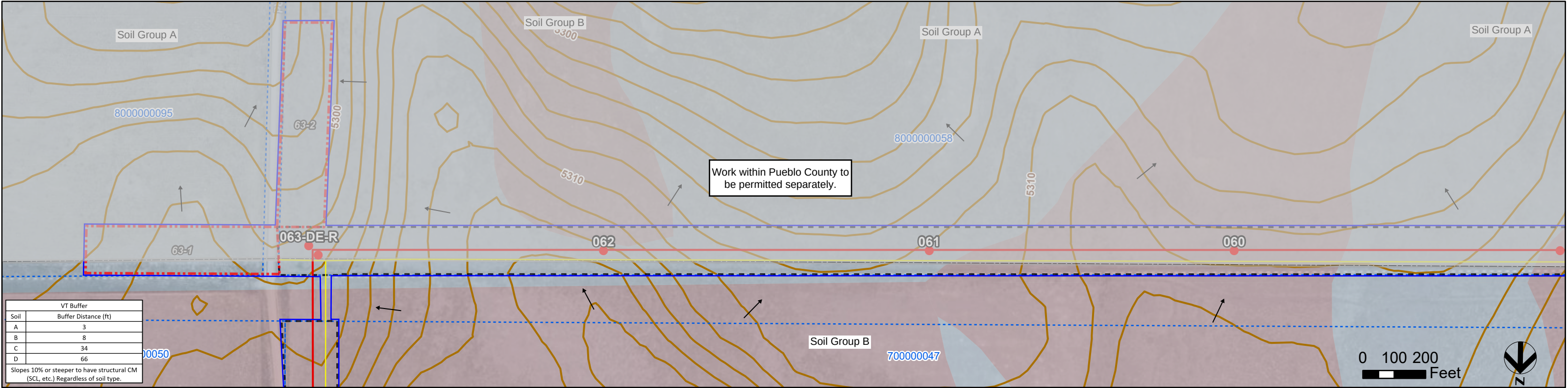
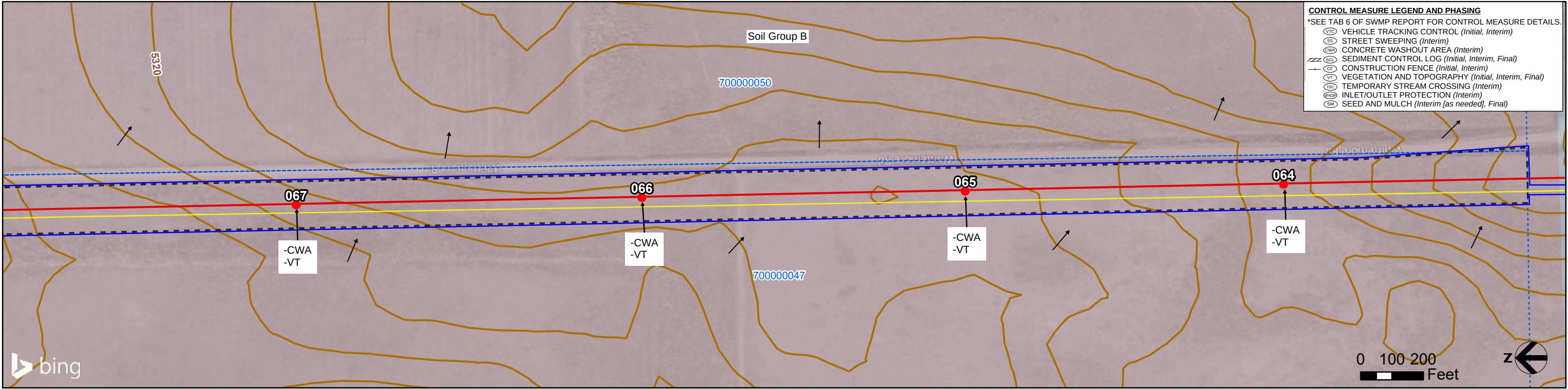
SHEET 32

MB-27T, MB-27B

- Surface Flow
- 2' Contour (USGS)
- County Boundary
- Municipalities
- Parcel
- Centerline
- Access Road
- PSCo
- Easement/ROW
- Pull Pocket
- Laydown Yard
- Structure
- Hydrologic Soil Group
 - A
 - B
 - C
 - D
- Limits of Construction
- Buried gas utility
- Overhead distribution
- Underground distribution
- Existing Xcel transmission
- Existing transmission (non-Xcel)
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- Access Point
- FEMA Flood Hazard
 - Zone A
 - Zone AE

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XCEL TLINE: PWAY SEG 5 EL PASO COUNTY BUILD GEC PLANS

July 2026

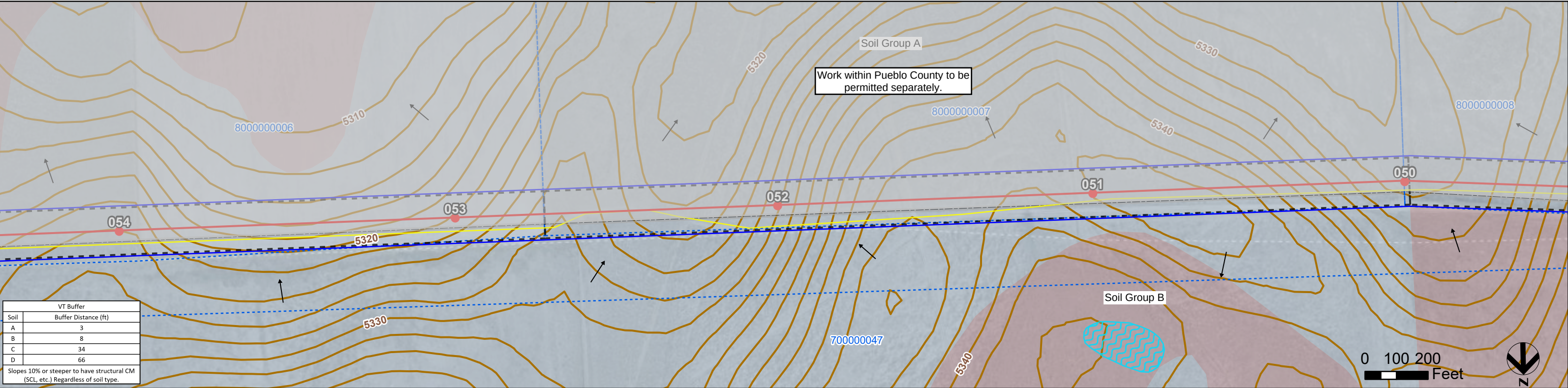
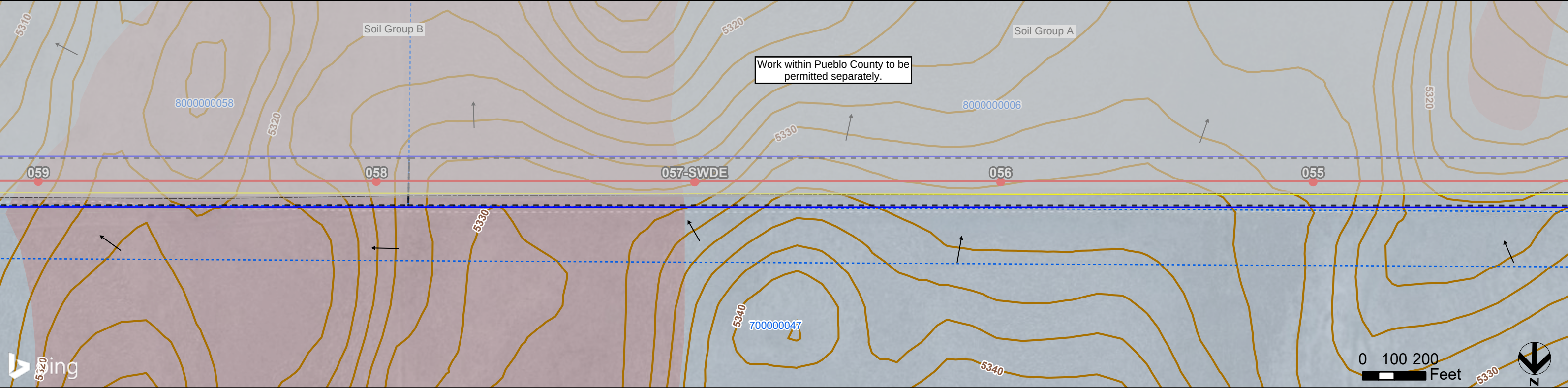
SHEET 33

MB-28T, MB-28B

- Surface Flow
- 2' Contour (USGS)
- County Boundary
- Municipalities
- Parcel
- Centerline
- Access Road
- PSCo
- Easement/ROW
- Pull Pocket
- Laydown Yard
- Structure
- Hydrologic Soil Group
 - A
 - B
 - C
 - D
- Limits of Construction
- Buried gas utility
- Overhead distribution
- Underground distribution
- Existing Xcel transmission
- Existing transmission (non-Xcel)
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- Colorado Segmentation Stream
- Access Point
- FEMA Flood Hazard
 - Zone A
 - Zone AE

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VT Buffer	
Soil	Buffer Distance (ft)
A	3
B	8
C	34
D	66

Slopes 10% or steeper to have structural CM (SCL, etc.) Regardless of soil type.



XCEL TLINE: PWAY SEG 5 EL PASO COUNTY BUILD GEC PLANS

July 2026

SHEET 34

MB-29T, MB-29B

Surface Flow

2' Contour (USGS)

County Boundary

Municipalities

Parcel

Centerline

Access Road

PSCo

Easement/ROW

Pull Pocket

Laydown Yard

Structure

Hydrologic Soil Group

A

B

C

D

Limits of Construction

Buried gas utility

Overhead distribution

Underground distribution

Existing Xcel transmission

Existing transmission (non-Xcel)

Wetland feature (TetraTech field surveyed)

Wetland feature (TetraTech desktop surveyed)

Colorado Segmentation Stream

Access Point

FEMA Flood Hazard

Zone A

Zone AE

NOTES:

1. Disturbance anticipated to be limited to drive and crush access in the ROW (assumed 20' wide centered on access route), access grading, work pad grading around the structure where shown, individual structure pole excavation (assume 25' radius around each pole), pull site grading, and minor grading where ROW meets existing roadways. Grading and disturbance not to extend outside of Xcel's ROW.

2. Flow direction shown where surface flow direction is discernible given topography. Stormwater inspector to update active site maps with flow arrows accordingly and the location where stormwater has potential to leave the site.

3. Topsoil to be stripped, segregated from subsoil, and stockpiled for use during restoration. Install downgradient CMs for stockpiles during interim phase of construction. Contractor to update site maps with stockpile and CM locations.

4. Street sweep as necessary.

5. Named and unnamed drainages, steams, creeks, ditches, etc. within the LOC to maintain a 50' vegetative buffer where feasible. If a 50' vegetative buffer cannot be maintained, utilize sediment controls to prevent sediment transportation into waters. Avoid all transportation over waters unless infeasible. If infeasible, utilize matting or best management practices and contact Xcel Siting and Land Rights prior to drive-over.

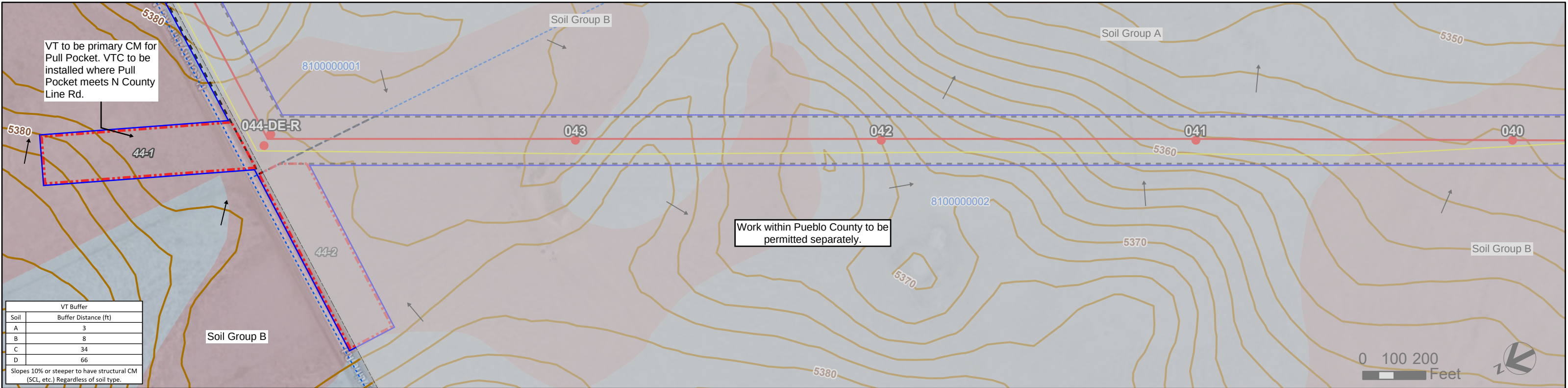
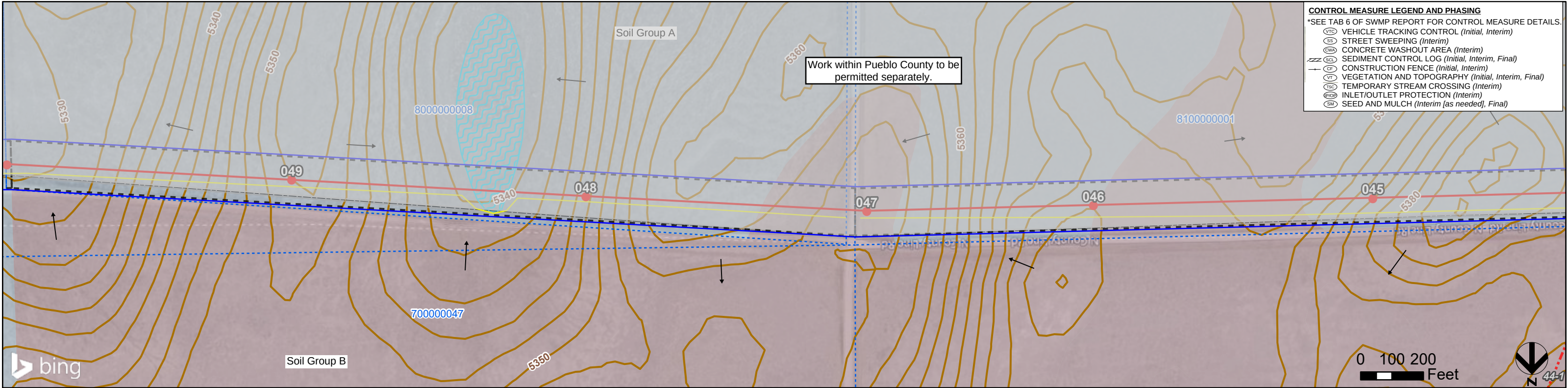
6. VTC to be structural measure installed at existing grade unless otherwise noted. Contractor to install fence (CF or BF) at VTC to prevent drive-around if needed. Access areas going from dirt to dirt, consider utilizing VTC signage as structural control measure.

7. Contractor not to disturb wetlands unless confirmation of compliance with Clean Water Act Section 404 is provided by Siting and Land Rights Agent.

8. Disturbance within Pull Pocket expected to be minimal unless otherwise shown on maps. VT to be primary CM (see VT Buffer Table). If grading is required within Pull Pocket and VT buffer cannot be maintained, contractor to install SCL.

9. Contractor to install perimeter fencing (Boundary Fence, CF, etc.) if needed to delineate VT buffer extents. If contractor cannot maintain VT Buffer distance, SCL to be used as CM for disturbance.

10. Assume approximately 20% of access route to be disturbed due to equipment and vehicle access unless otherwise noted. Contractor to install CMs downgradient of disturbance if sediment transport is evident and VT buffer cannot be maintained.



XCEL TLINE: PWAY SEG 5 EL PASO COUNTY BUILD GEC PLANS

July 2026

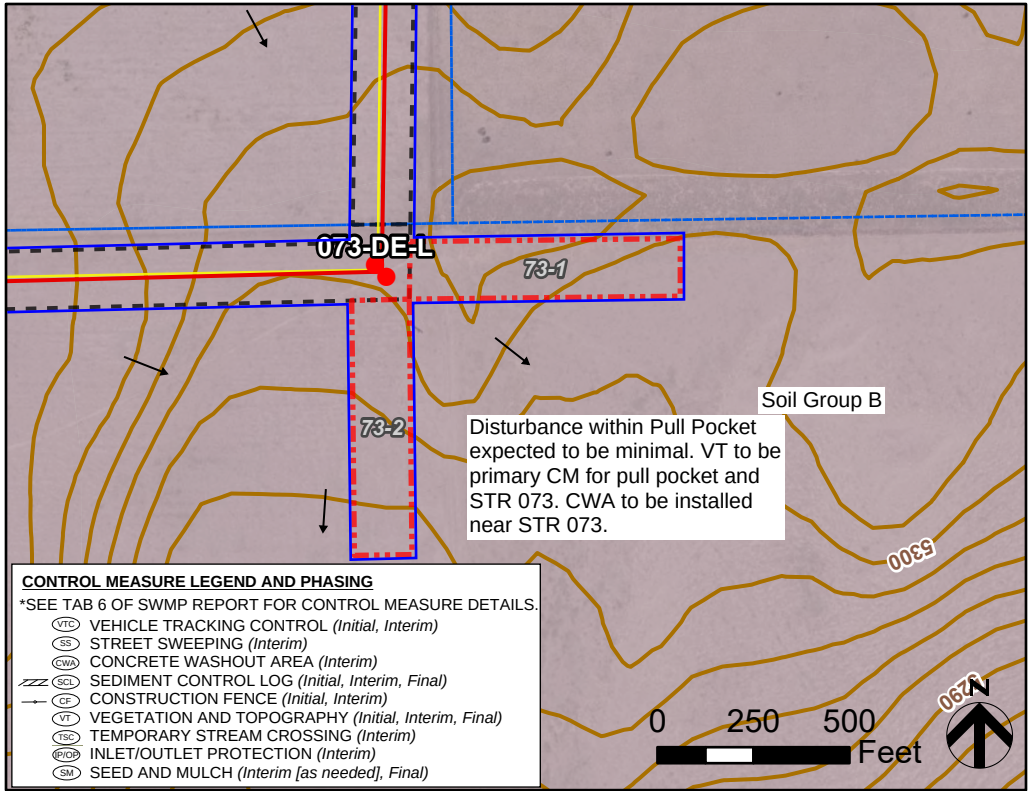
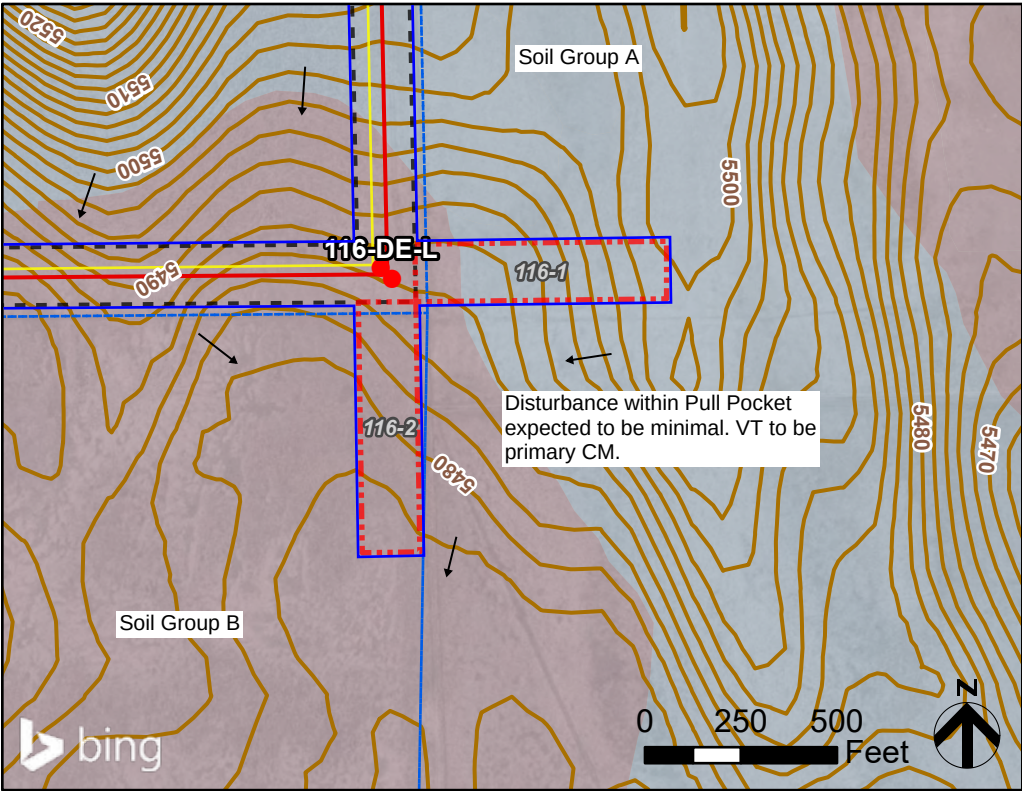
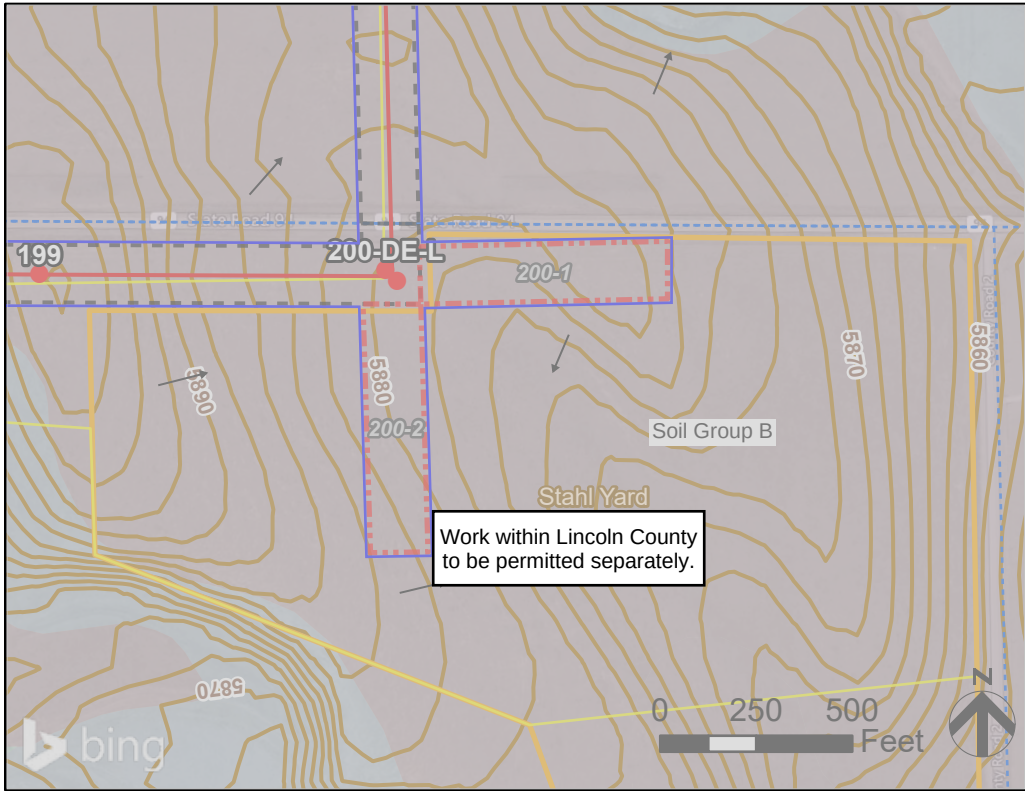
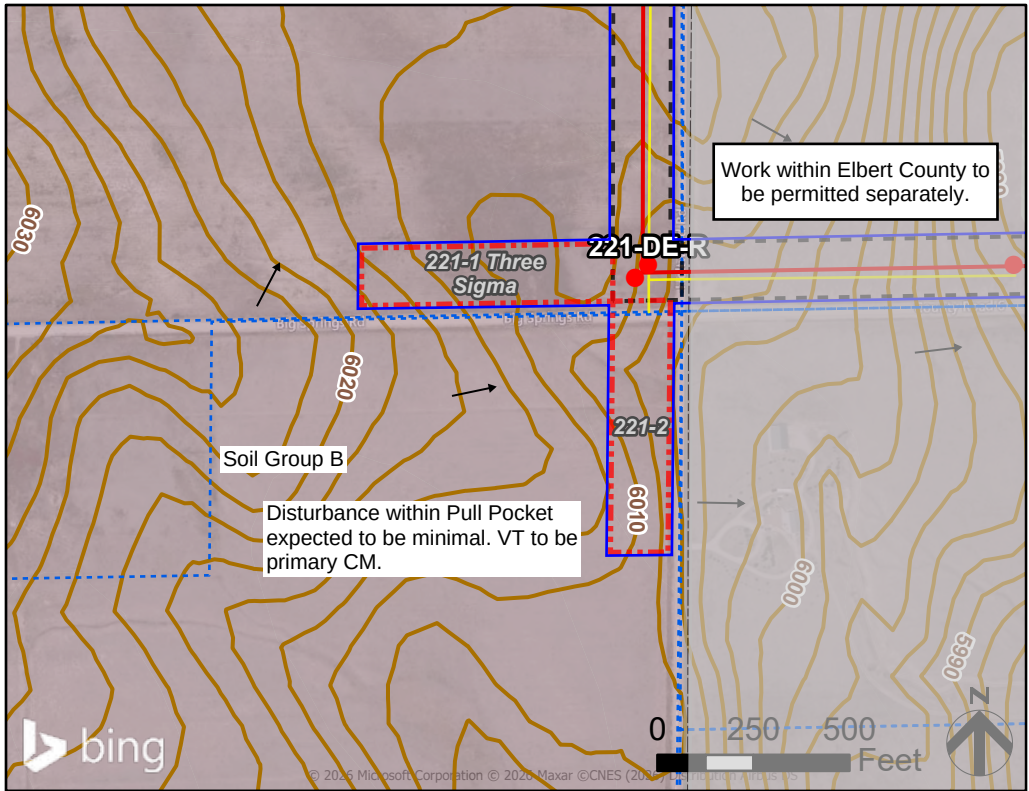
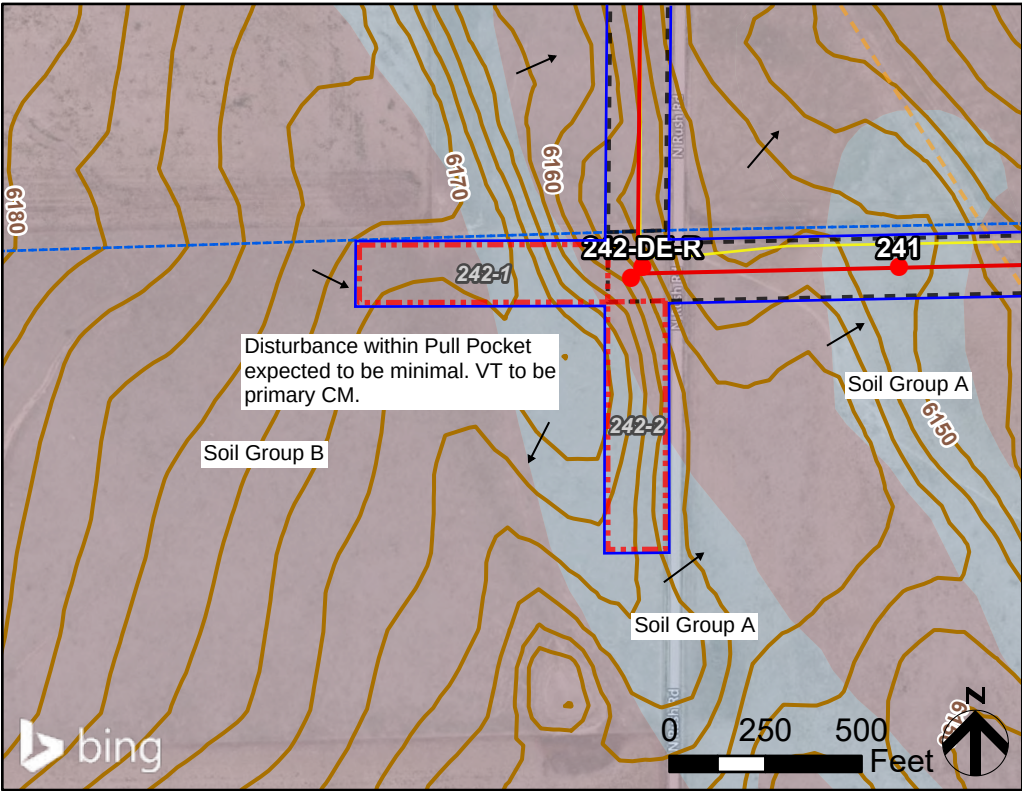
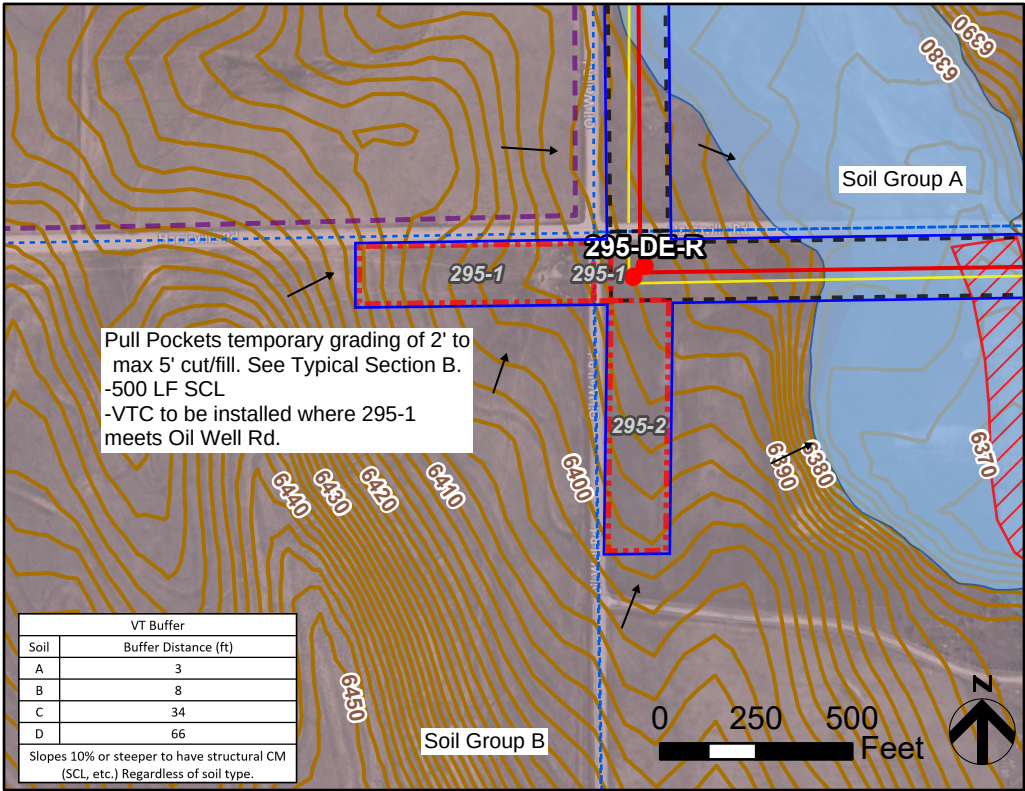
SHEET 35

MB-30T, MB-30B

- Surface Flow
- 2' Contour (USGS)
- County Boundary
- Municipalities
- Parcel
- Centerline
- Access Road
- PSCo
- Easement/ROW
- Pull Pocket
- Laydown Yard
- Structure
- Hydrologic Soil Group
 - A
 - B
 - C
 - D
- Limits of Construction
- Buried gas utility
- Overhead distribution
- Underground distribution
- Existing Xcel transmission
- Existing transmission (non-Xcel)
- Wetland feature (TetraTech field surveyed)
- Wetland feature (TetraTech desktop surveyed)
- Colorado Segmentation Stream
- Access Point
- FEMA Flood Hazard
 - Zone A
 - Zone AE

NOTES:

- Disturbance anticipated to be limited to drive and crush access in the ROW (assumed 20' wide centered on access route), access grading, work pad grading around the structure where shown, individual structure pole excavation (assume 25' radius around each pole), pull site grading, and minor grading where ROW meets existing roadways. Grading and disturbance not to extend outside of Xcel's ROW.
- Flow direction shown where surface flow direction is discernible given topography. Stormwater inspector to update active site maps with flow arrows accordingly and the location where stormwater has potential to leave the site.
- Topsoil to be stripped, segregated from subsoil, and stockpiled for use during restoration. Install downgradient CMs for stockpiles during interim phase of construction. Contractor to update site maps with stockpile and CM locations.
- Street sweep as necessary.
- Named and unnamed drainages, steams, creeks, ditches, etc. within the LOC to maintain a 50' vegetative buffer where feasible. If a 50' vegetative buffer cannot be maintained, utilize sediment controls to prevent sediment transportation into waters. Avoid all transportation over waters unless infeasible. If infeasible, utilize matting or best management practices and contact Xcel Siting and Land Rights prior to drive-over.
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- Disturbance within Pull Pocket expected to be minimal unless otherwise shown on maps. VT to be primary CM (see VT Buffer Table). If grading is required within Pull Pocket and VT buffer cannot be maintained, contractor to install SCL.
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XCEL TLINE: PWAY SEG 5 EL PASO COUNTY BUILD GEC PLANS

July 2026

SHEET 36

PULL POCKET INITIAL, INTERIM, FINAL

→ Surface Flow

— 2' Contour (USGS)

County Boundary

Municipalities

Parcel

Centerline

Access Road

PSCo

Easement/ROW

Pull Pocket

Laydown Yard

Structure

Hydrologic Soil Group

A

B

C

D

Limits of Construction

Buried gas utility

Overhead distribution

Underground distribution

Existing Xcel transmission

Existing transmission (non-Xcel)

Wetland feature (TetraTech field surveyed)

Wetland feature (TetraTech desktop surveyed)

Colorado Segmentation Stream

Access Point

FEMA Flood Hazard

Zone A

Zone AE

NOTES:

1. Disturbance anticipated to be limited to drive and crush access in the ROW (assumed 20' wide centered on access route), access grading, work pad grading around the structure where shown, individual structure pole excavation (assume 25' radius around each pole), pull site grading, and minor grading where ROW meets existing roadways. Grading and disturbance not to extend outside of Xcel's ROW.

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CONTROL MEASURE LEGEND AND PHASING

*SEE TAB 6 OF SWMP REPORT FOR CONTROL MEASURE DETAILS.

VT

VEHICLE TRACKING CONTROL (Initial, Interim)

SS

STREET SWEEPING (Interim)

CWA

CONCRETE WASHOUT AREA (Interim)

SCL

SEDIMENT CONTROL LOG (Initial, Interim, Final)

CF

CONSTRUCTION FENCE (Initial, Interim)

VT

VEGETATION AND TOPOGRAPHY (Initial, Interim, Final)

TS

TEMPORARY STREAM CROSSING (Interim)

POP

INLET/OUTLET PROTECTION (Interim)

SM

SEED AND MULCH (Interim [as needed], Final)

[illegible]

Construction Fence (CF)

SM-3

Description

A construction fence restricts site access to designated entrances and exits, delineates construction site boundaries, and keeps construction out of sensitive areas such as natural areas to be preserved as open space, wetlands and riparian areas.



Photograph CF-1. A construction fence helps delineate areas where existing vegetation is being protected. Photo courtesy of Douglas County.

Appropriate Uses

A construction fence can be used to delineate the site perimeter and locations within the site where access is restricted to protect natural resources such as wetlands, waterbodies, trees, and other natural areas of the site that should not be disturbed.

If natural resource protection is an objective, then the construction fencing should be used in combination with other perimeter control BMPs such as silt fence, sediment control logs or similar measures.

Design and Installation

Construction fencing may be chain link or plastic mesh and should be installed following manufacturer's recommendations. See Detail CF-1 for typical installations.

Do not place construction fencing in areas within work limits of machinery.

Maintenance and Removal

- Inspect fences for damage; repair or replace as necessary.
- Fencing should be tight and any areas with slumping or fallen posts should be reinstalled.
- Fencing should be removed once construction is complete.

Construction Fence	
Functions	
Erosion Control	No
Sediment Control	No
Site/Material Management	Yes

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CF-1

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REV	DATE	PROJ. No.	REVISION DESCRIPTION			DWN	DSN	ENG	FILM

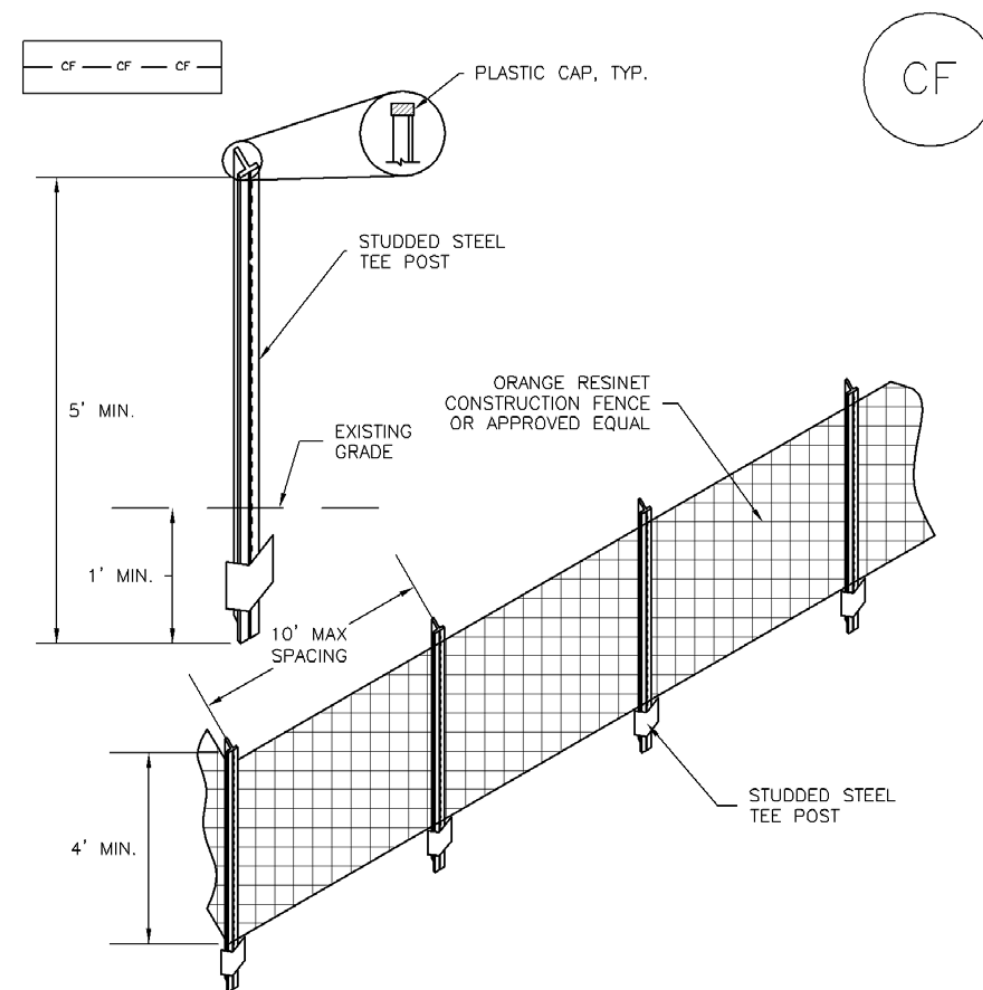


July 2026



SM-3

Construction Fence (CF)



CF-1. PLASTIC MESH CONSTRUCTION FENCE

CONSTRUCTION FENCE INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
-LOCATION OF CONSTRUCTION FENCE.
2. CONSTRUCTION FENCE SHOWN SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
3. CONSTRUCTION FENCE SHALL BE COMPOSED OF ORANGE, CONTRACTOR-GRADE MATERIAL THAT IS AT LEAST 4' HIGH. METAL POSTS SHOULD HAVE A PLASTIC CAP FOR SAFETY.
4. STUDDER STEEL TEE POSTS SHALL BE UTILIZED TO SUPPORT THE CONSTRUCTION FENCE. MAXIMUM SPACING FOR STEEL TEE POSTS SHALL BE 10'.
5. CONSTRUCTION FENCE SHALL BE SECURELY FASTENED TO THE TOP, MIDDLE, AND BOTTOM OF EACH POST.

CF-2

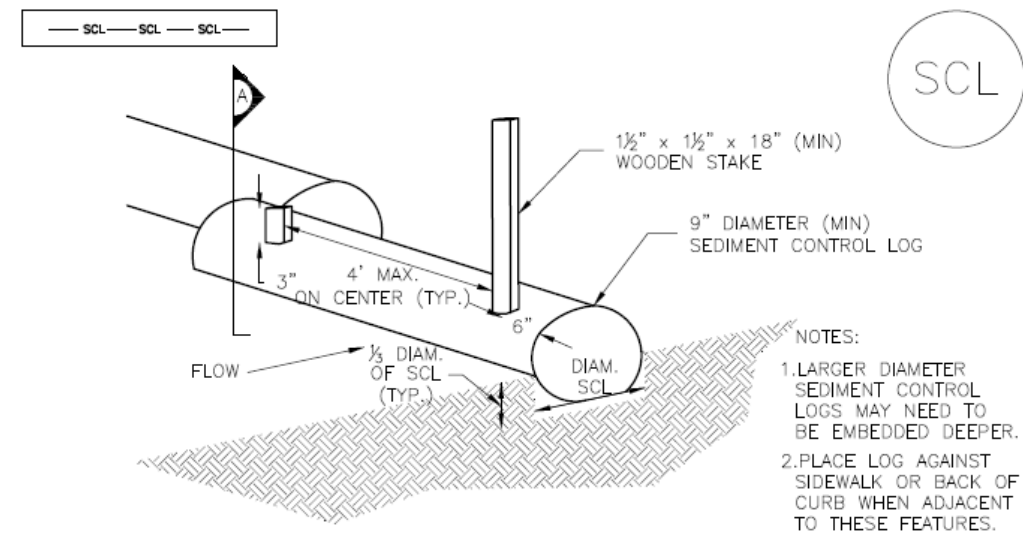
Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3

November 2010

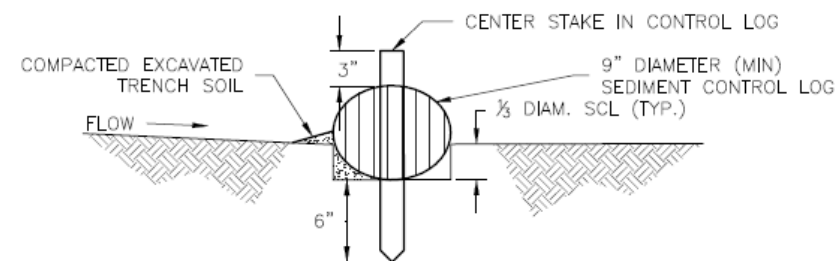
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SC-2

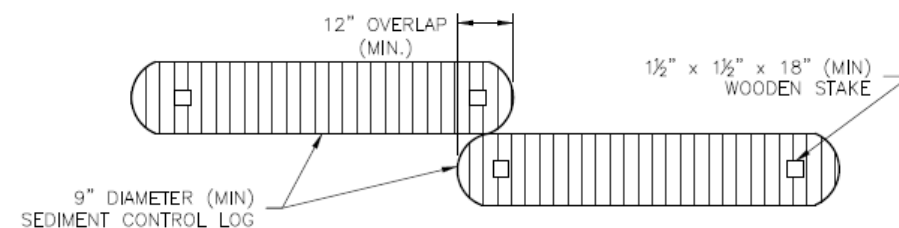


TRENCHED SEDIMENT CONTROL LOG



SECTION A

TRENCHED SEDIMENT CONTROL LOG



LOG JOINTS

SCL-1. TRENCHED SEDIMENT CONTROL LOG

SC-2

Sediment Control Log (SCL)

SEDIMENT CONTROL LOG INSTALLATION NOTES

1. SEE PLAN VIEW FOR LOCATION AND LENGTH OF SEDIMENT CONTROL LOGS.
2. SEDIMENT CONTROL LOGS THAT ACT AS A PERIMETER CONTROL SHALL BE INSTALLED PRIOR TO ANY UPGRADE LAND-DISTURBING ACTIVITIES.
3. SEDIMENT CONTROL LOGS SHALL CONSIST OF STRAW, COMPOST, EXCELSIOR OR COCONUT FIBER, AND SHALL BE FREE OF ANY NOXIOUS WEED SEEDS OR DEFECTS INCLUDING RIPS, HOLES AND OBVIOUS WEAR.
4. SEDIMENT CONTROL LOGS MAY BE USED AS SMALL CHECK DAMS IN DITCHES AND SWALES. HOWEVER, THEY SHOULD NOT BE USED IN PERENNIAL STREAMS.
5. IT IS RECOMMENDED THAT SEDIMENT CONTROL LOGS BE TRENCHED INTO THE GROUND TO A DEPTH OF APPROXIMATELY $\frac{1}{3}$ OF THE DIAMETER OF THE LOG. IF TRENCHING TO THIS DEPTH IS NOT FEASIBLE AND/OR DESIRABLE (SHORT TERM INSTALLATION WITH DESIRE NOT TO DAMAGE LANDSCAPE) A LESSER TRENCHING DEPTH MAY BE ACCEPTABLE WITH MORE ROBUST STAKING. COMPOST LOGS THAT ARE 8 LB/FT DO NOT NEED TO BE TRENCHED.
6. THE UPHILL SIDE OF THE SEDIMENT CONTROL LOG SHALL BE BACKFILLED WITH SOIL OR FILTER MATERIAL THAT IS FREE OF ROCKS AND DEBRIS. THE SOIL SHALL BE TIGHTLY COMPACTED INTO THE SHAPE OF A RIGHT TRIANGLE USING A SHOVEL OR WEIGHTED LAWN ROLLER OR BLOWN IN PLACE.
7. FOLLOW MANUFACTURERS' GUIDANCE FOR STAKING. IF MANUFACTURERS' INSTRUCTIONS DO NOT SPECIFY SPACING, STAKES SHALL BE PLACED ON 4' CENTERS AND EMBEDDED A MINIMUM OF 6" INTO THE GROUND. 3" OF THE STAKE SHALL PROTRUDE FROM THE TOP OF THE LOG. STAKES THAT ARE BROKEN PRIOR TO INSTALLATION SHALL BE REPLACED. COMPOST LOGS SHOULD BE STAKED 10' ON CENTER.

SEDIMENT CONTROL LOG MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. SEDIMENT ACCUMULATED UPSTREAM OF SEDIMENT CONTROL LOG SHALL BE REMOVED AS NEEDED TO MAINTAIN FUNCTIONALITY OF THE BMP, TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY ½ OF THE HEIGHT OF THE SEDIMENT CONTROL LOG.
5. SEDIMENT CONTROL LOG SHALL BE REMOVED AT THE END OF CONSTRUCTION. COMPOST FROM COMPOST LOGS MAY BE LEFT IN PLACE AS LONG AS BAGS ARE REMOVED AND THE AREA SEEDED. IF DISTURBED AREAS EXIST AFTER REMOVAL, THEY SHALL BE COVERED WITH TOP SOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

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

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

November 2015

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SCL-3

SCL-6

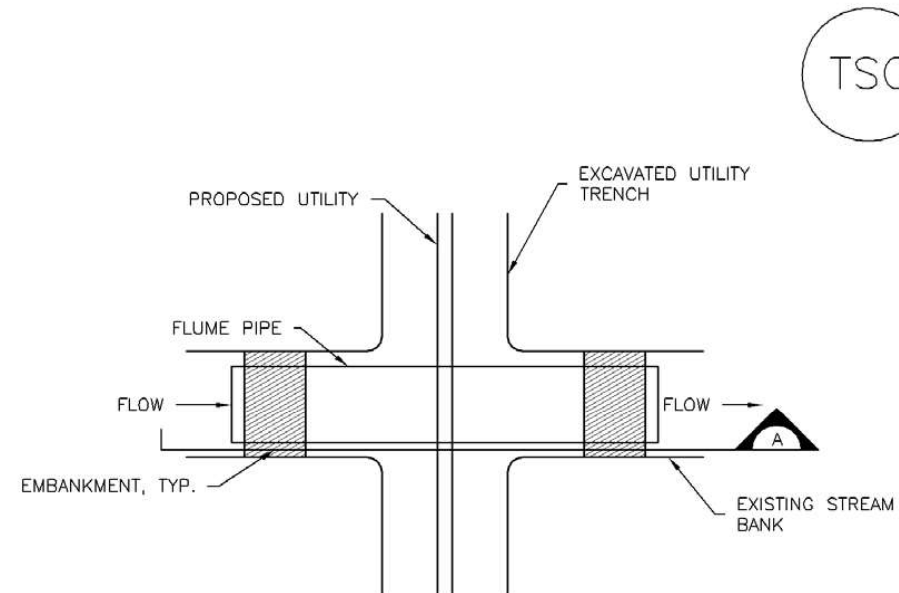
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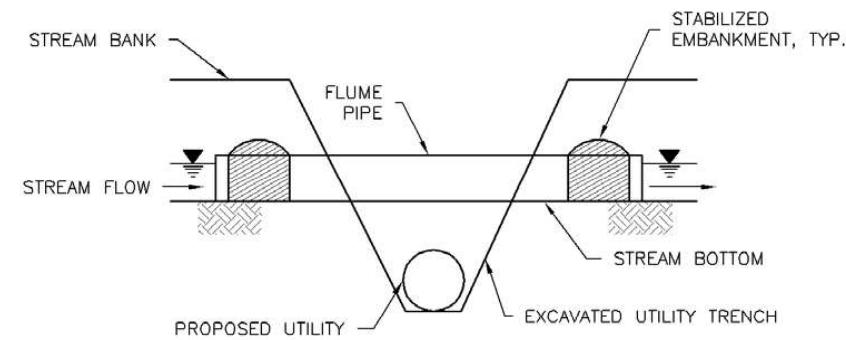
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Temporary Stream Crossing (TSC)

SM-10



FLUME CROSSING PLAN



SECTION A

TSC-3. FLUME CROSSING

SM-10

Temporary Stream Crossing (TSC)

TEMPORARY STREAM CROSSING INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
 - LOCATIONS OF TEMPORARY STREAM CROSSINGS.
 - STREAM CROSSING TYPE (FORD, CULVERT, OR FLUME).
 - FOR FORD CROSSING: LENGTH (L), CREST LENGTH (CL), AND DEPTH (D).
 - FOR CULVERT CROSSING: LENGTH (L), CREST LENGTH (CL), CROSSING HEIGHT (H), DEPTH (D), CULVERT DIAMETER (CD), AND NUMBER, TYPE AND CLASS OR GAUGE OF CULVERTS.
2. TEMPORARY STREAM CROSSING DIMENSIONS, D50, AND NUMBER OF CULVERTS INDICATED (FOR CULVERT CROSSING) SHALL BE CONSIDERED MINIMUM DIMENSIONS; ENGINEER MAY ELECT TO INSTALL LARGER FACILITIES. ANY DAMAGE TO STREAM CROSSING OR EXISTING STREAM CHANNEL DURING BASEFLOW OR FLOOD EVENTS SHALL BE PROMPTLY REPAIRED.
3. SEE MAJOR DRAINAGE CHAPTER FOR RIPRAP GRADATIONS.
4. WHERE FAILURE OF A STREAM CROSSING CAN RESULT IN SIGNIFICANT DAMAGE OR HARM IT MUST BE DESIGNED BY A STRUCTURAL ENGINEER.

TEMPORARY STREAM CROSSING MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. REMOVE SEDIMENT ACCUMULATED UPSTREAM OF CROSSING AS NEEDED TO MAINTAIN THE FUNCTIONALITY OF THE CROSSING.
5. STREAM CROSSINGS ARE TO REMAIN IN PLACE UNTIL NO LONGER NEEDED AND SHALL BE REMOVED PRIOR TO THE END OF CONSTRUCTION.
6. WHEN STREAM CROSSINGS ARE REMOVED, THE DISTURBED AREA SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED AND COVERED WITH GEOTEXTILE OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

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

(DETAIL ADAPTED FROM DOUGLAS COUNTY, COLORADO AND CITY OF AURORA, COLORADO (vs. DSWC), NOT AVAILABLE IN AUTOCAD)

June 2012

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TSC-5

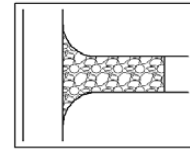
TSC-6

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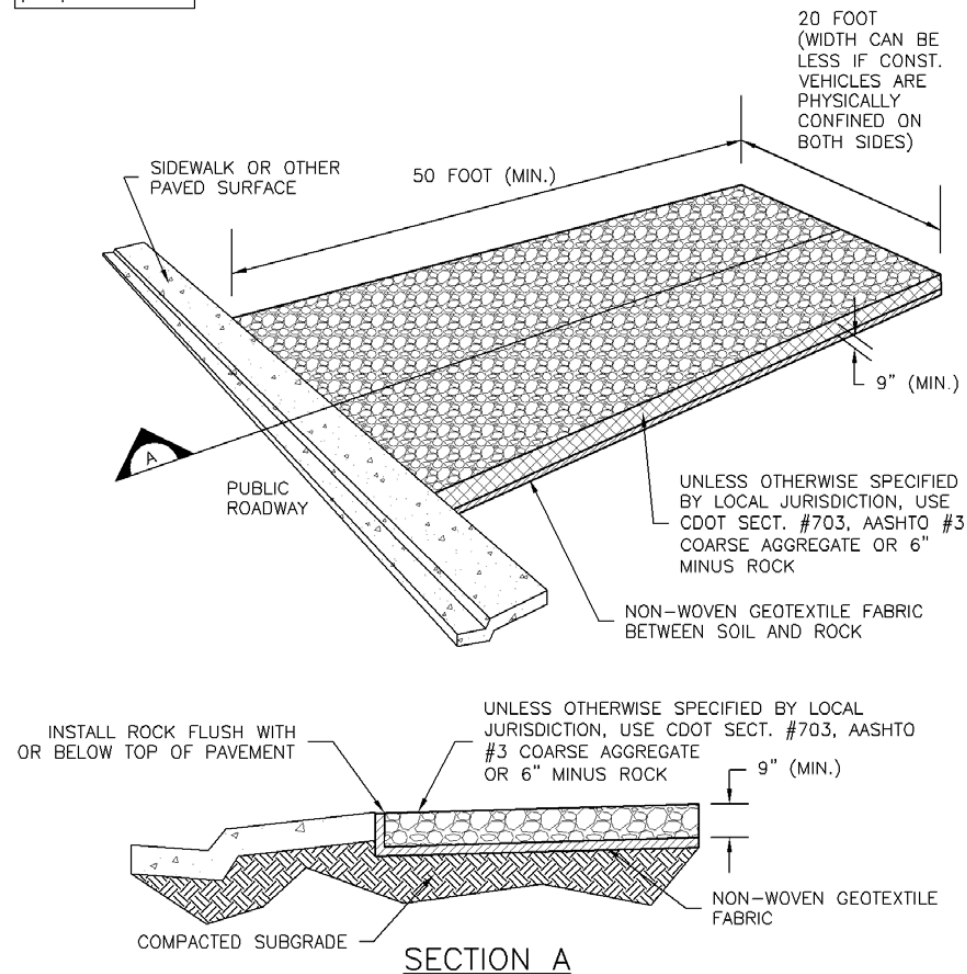
June 2012

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SM-4



VTC



VTC-1. AGGREGATE VEHICLE TRACKING CONTROL

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

VTC-3

SM-4

Vehicle Tracking Control (VTC)

STABILIZED CONSTRUCTION ENTRANCE/EXIT INSTALLATION NOTES

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

STABILIZED CONSTRUCTION ENTRANCE/EXIT MAINTENANCE NOTES

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

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

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

VTC-6

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November 2010

[illegible]

NOTE: CONTROL MEASURE DETAILS SHOWN IN THE GEC PLANS REFLECT THE STRUCTURAL MEASURES ANTICIPATED FOR USE IN THE FIELD. ADDITIONAL CONTROL MEASURE DETAILS FOR POTENTIAL FIELD USE ARE PROVIDED IN SWMP TAB 6.



GENERAL INFORMATION

The FODS Composite trackout control system is designed to be used as a temporary construction entrance which provides site access while minimizing sediment leaving the site. The top surface of the FODS mat is a geometric pattern formed in the shape of pyramids. The mats are unidirectional and are meant to have the staggered pyramids in the direction of travel. Individual mats are connected together with hardware to form various configurations to fit your jobsite.

- Mat Size: 12'(w) x 7' (l) x 3 3/4" (t) (2 7/8" pyramid height)
- Mat Weight: 430lbs
- Pallet Size: 8-Mats
- Truck-Load: 96-Mats
- Hardware boxes are contained within the palletized mats

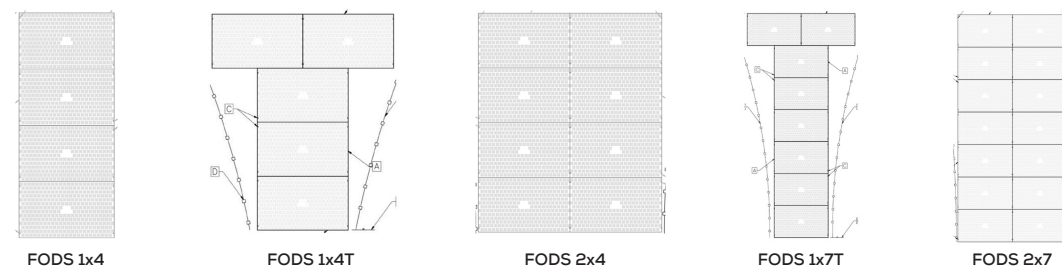


FEATURES & BENEFITS

- Re-Usable
- Increased Effectiveness at Reducing Site Trackout
- U/V Stable
- Highly Visible
- Easy to Clean
- Economical
- Recyclable / Reduces Waste
- Extreme Durability
- Rapid Installation & Removal
- Excavation not required
- Chemical Resistant
- Rock-less
- Reduces Waste
- Easy and efficient to transport from site-site

TYPICAL INSTALLATION LAYOUTS

Each site must be evaluated to determine the proper layout, width, and duration of the FODS Trackout Control System (FTCS) based site conditions, entry and exit egress, traffic levels, site soil conditions, and ability to maintain trackout system. Outlined below are a number of common layouts, the mats are unidirectional and due to the versatility of the mats design the FTCS can be engineered to fit the needs of any site:



FODS LLC | The Mud Stops Here | GetFods.com | 1-844-200-3637



COMMON USERS

- Heavy Civil Construction
- Urban Construction / Urban In-Fill
- Bridge & Highway Projects
- Residential Construction
- Land Development
- Forestry
- Energy Exploration
- Oil & Gas Pipeline
- Electrical Power-line
- Temporary Event Access
- Landfill & Waste Management
- Mining



SUITABLE INSTALLATION SUBSTRATE

- Un-Excavated Soil
- Excavated Soil (Min CBR: 4)
- Asphalt
- Concrete

FODS Trackout Control System should be installed near the site exit point, as close to the location where vehicles enter the roadway as is safely as possible. FODS mats should not be installed at a low point on the site where water will pool.



FODS ANCHORING SYSTEMS

- Form-Stakes (18" or 24")
- Cable Earth Anchor
- All-Thread Earth Anchor
- Concrete Sleeve Anchor (asphalt)



CLEANING / MAINTENANCE

Mats should be cleaned once 2.5" of sediment has built up in the lane of travel.

- Skid-steer broom attachment
- FODS Shovel
- Street Sweeper (requires adjusted bristle head)
- Pressure Washer (must have ability to contain water)
- Water Truck (must have ability to contain water)

WARNINGS

- Caution is to be used when crossing mats with metal tracked equipment.
- Equipment with aggressive metal tracks should not cross mats
- Do not drag metal equipment across mats
- Do not use mats for bridging

*****Before using earth anchors, call 811 for locates to mark underground utilities*****

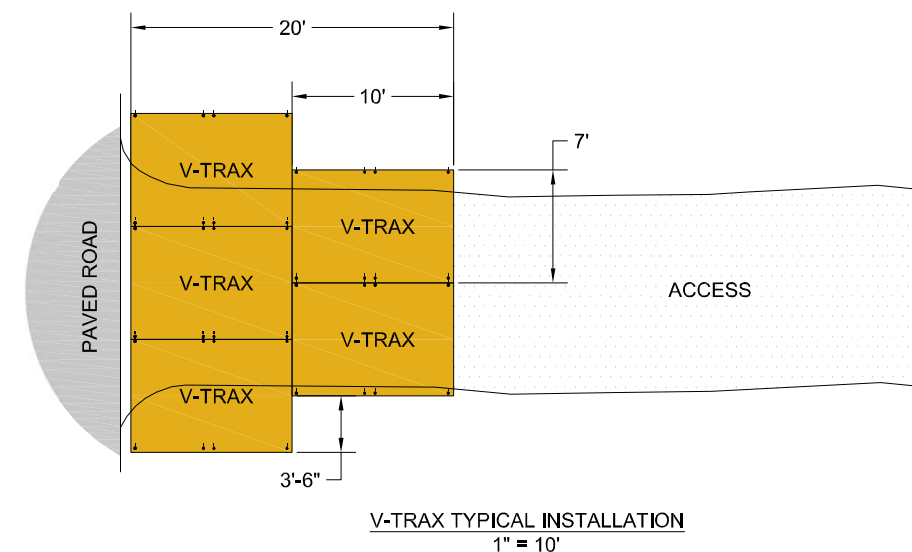
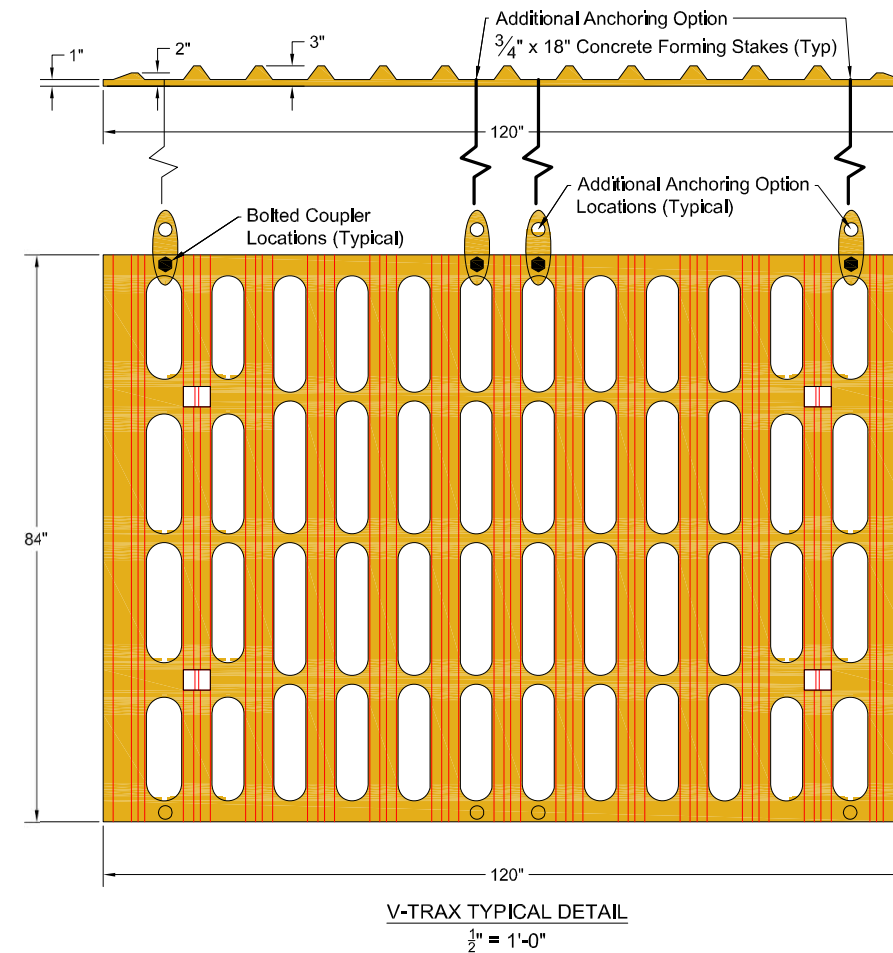


Know what's below.
Call before you dig.

FODS LLC | The Mud Stops Here | GetFods.com | 1-844-200-3637

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- 1) DESCRIPTION AND PURPOSE
- A) V-TRAX CAN BE USED FOR STABILIZED CONSTRUCTION SITE ACCESS. A STABILIZED CONSTRUCTION ACCESS IS DEFINED BY A POINT OF ENTRANCE/EXIT TO A CONSTRUCTION SITE THAT IS STABILIZED TO REDUCE THE TRACKING OF MUD AND DIRT ONTO ADJACENT ROADS BY CONSTRUCTION VEHICLES.
- B) V-TRAX CAN ALTERNATELY BE USED FOR ASPHALT CROSSING FOR STEEL TRACKS, AND FOR REDUCED IMPACT WHEN CROSSING PARKS, GOLF COURSES OR OTHER AREAS THAT HAVE SOFT OR SENSITIVE GROUND WITHOUT GETTING STUCK OR RUTTING.
- C) V-TRAX ARE MADE FROM MOLDED HIGH DENSITY COMPOSITES. THEY ARE FLEXIBLE TO FIT THE CONTOUR OF THE LAND. EACH SECTION WEIGHS 520 POUNDS AND CAN BE EASILY INSTALLED AND REMOVED WITH SMALL EQUIPMENT. TYPICAL INSTALLATION CONSISTS OF 4 SECTIONS COUPLED TOGETHER PROVIDE FOR A 14' WIDE X 20' LONG ENTRANCE. MORE OR FEWER SECTIONS CAN BE PLACED TO ACCOMMODATE THE ACCESS LOCATION.
- 2) SUITABLE APPLICATIONS
 - WHERE DIRT OR MUD CAN BE TRACKED ONTO PAVED ROADS.
 - ADJACENT TO WATER BODIES.
 - WHERE SOFT SOILS ARE ENCOUNTERED.
 - WHERE DUST IS AN ISSUE DURING DRY WEATHER CONDITIONS.
 - ACROSS ASPHALT WHEN CROSSING WITH STEEL TRACKS OR WHEN SURFACE REQUIRES PROTECTION.
- 3) IMPLEMENTATION
 - CONSTRUCTION TO DIMENSIONS AS SHOWN IN THE DETAILS.
 - LIMIT THE POINTS OF ACCESS TO THE CONSTRUCTION SITE.
 - ROUTE RUNOFF FROM STABILIZED ACCESS THROUGH SEDIMENT TRAPPING DEVICE BEFORE DISCHARGE IF NEEDED.
 - REQUIRE THAT ALL EMPLOYEES, SUBCONTRACTORS, AND SUPPLIERS UTILIZE THE STABILIZED CONSTRUCTION ACCESS.
- 4) INSPECTION AND MAINTENANCE
 - INSPECT IN ACCORDANCE WITH LOCAL REGULATIONS AND SITE SWMP.
 - MAINTAIN V-TRAX ONCE SEDIMENT FILLS 50% OF THE V-TRAX TO A DEPTH EQUAL TO 50% OF THE MAXIMUM HEIGHT.
 - REMOVE SEDIMENT USING HAND TOOLS WITH THE V-TRAX IN PLACE OR USE EQUIPMENT TO LIFT THE V-TRAX AND SCRAPE SEDIMENT FROM BENEATH.
 - RESET ANY MISALIGNED OR MISPLACED V-TRAX.
 - REMOVE ANY SEDIMENT DEPOSITED ON PAVED ROADWAYS IMMEDIATELY.
 - REMOVE V-TRAX AT COMPLETION OF CONSTRUCTION.
 -
- 5) ADDITIONAL ANCHORING INSTALLATION OPTION
 - UTILIZE 3/4" x 18" CONCRETE FORM STAKES, DRIVEN INTO THE UNDERLYING SOIL AND PINNED AT VTRAX MAT COUPLER.
 - INTERIOR SECTIONS REMAIN COUPLED AT JOINTS.
 - IF NECESSARY: THIS OPTION ADDS ADDITIONAL STABILIZATION TO THE MATS IN AREAS WHERE EXCESSIVE MOVEMENT IS OBSERVED.



720-717-7030
www.v-trax.net

BRAX

V-TRAX INSTALLATION AND MAINTENANCE DETAILS

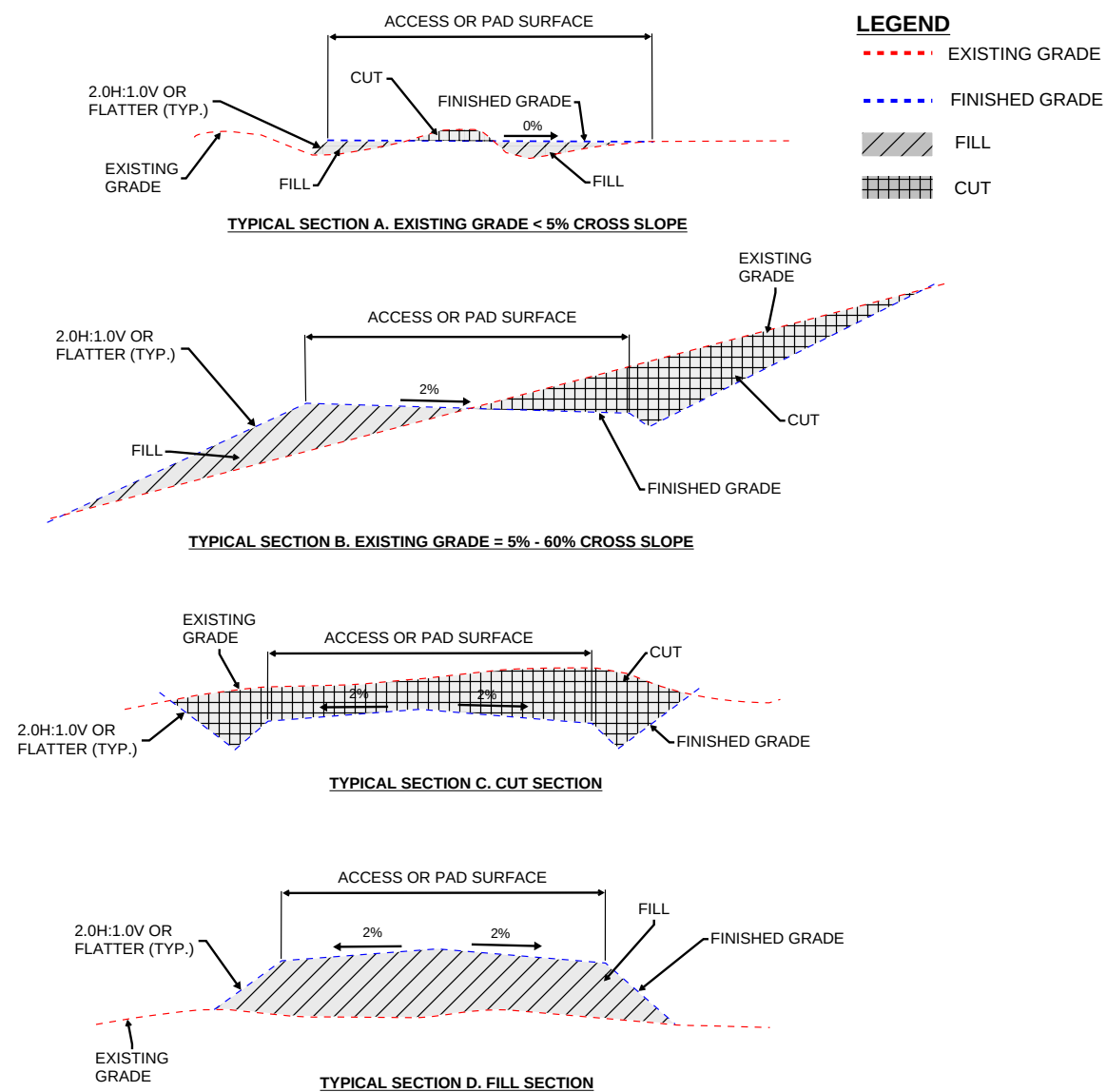
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TYPICAL CROSS SECTIONS (N.T.S.) - PWAY SEGMENT 5 EL PASO COUNTY TLINE GEC

GENERAL NOTES

1. GRADING TO BE TEMPORARY UNLESS OTHERWISE NOTED AND COORDINATED WITH EL PASO COUNTY AND LANDOWNERS. GRADING AND ASSOCIATED DISTURBANCES NOT TO EXTEND BEYOND THE PSCo RIGHT-OF-WAY OR TEMPORARY EASEMENTS. TEMPORARY GRADED AREAS TO BE RESTORED TO MATCH PRE-CONSTRUCTION CONTOURS TO THE EXTENT PRACTICABLE UPON COMPLETION OF CONSTRUCTION.
2. CUT AND FILL SLOPES TO BE BALANCED ONSITE. DISTURBED SLOPES TO BE SURFACE ROUGHENED PRIOR TO TEMP STABILIZATION VIA SEED AND MULCH. VT OR SCL TO BE USED AS DOWNGRADIENT CM FOR DISTURBANCES. SCL TO BE INSTALLED WHERE VT BUFFER CANNOT BE MAINTAINED.
3. GRADING NOT TO CREATE LOW SPOTS, CONCENTRATED FLOW PATHS, OR ADVERSELY IMPACT EXISTING DRAINAGE PATTERNS, ADJACENT PROPERTIES, OR ROADWAYS.
4. WHERE TEMPORARY ACCESS OR EQUIPMENT CROSSINGS IMPACT EXISTING SWALES, DRAINAGEWAYS, OR OTHER DRAINAGE FEATURES, INSTALL AN APPROPRIATE TEMPORARY CROSSING CM TO MAINTAIN EXISTING DRAINAGE CONVEYANCE, MINIMIZE EROSION, AND PROTECT EXISTING GRADES DURING CONSTRUCTION. REMOVE TEMPORARY CROSSINGS UPON COMPLETION OF CONSTRUCTION AND RESTORE DISTURBED AREAS. TEMPORARY CROSSING CMs TO BE TEMPORARY STREAM CROSSING, FORD CROSSING, MATTING, ETC.
5. TEMPORARY ACCESS OR STAGING INSTALLED AT EXISTING GRADE WHERE FEASIBLE AND NOT TO IMPACT EXISTING SWALES, DRAINAGEWAYS, OR OTHER DRAINAGE FEATURES.

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