Westpointe Data Center Proposed Revision to Soil Erosion and Sediment Control Temporary ESC Plan

Table of Contents

ESC Plan Standard Notes (2021-03-24)

1.All Erosion and Sediment Control (ESC) work on these plans, except as otherwise stated or provided hereon shall be permitted, constructed, inspected, and maintained in accordance with:
a.The City Ordinance § 14-5-2-11, the ESC Ordinance,
b.The EPA's 2017 Construction General Permit (CGP), and
c.The City Of Albuquerque Construction BMP Manual.
2.All BMP's must be installed prior to beginning any earth moving activities except as specified hereon in the Phasing Plan. Construction of earthen BMP's such as sediment traps, sediment basins, and diversion berms shall be completed and inspected prior to any other construction or earthwork. Self-inspection is required after installation of the BMPs and prior to beginning construction.
3.Self-inspections - At a minimum a routine compliance self-inspection is required to review the project for compliance with the Construction General Permit once every 14 days and after any precipitation event of 1/4 inch or greater until the site construction has been completed and the site determined as stabilized by the city. Reports of these inspections shall be kept by the person or entity authorized to direct the construction activities on the site and made available upon request.
4.Corrective action reports must be kept by the person or entity authorized to direct the construction activities on the site and made available upon request.
5.Stabilization reports must be kept by the person or entity authorized to direct the construction activities on the site and made available upon request. Reports should include records of weed removal per City Ordinance (§ 9-8-1), sterilization, soil test results and recommendation, materials and manufacturer's specifications for application rates, estimated functional longevity, methods of application, inspection and maintenance. The reduced self-inspection schedule in CGP 4.4.1 applies to stabilized area and any damaged or worn stabilization must be identified in the reports along with weed problems. Corrective actions for stabilization shall be documented in a stabilization report including actual rates and dates of stabilization, and the materials and manufacturer's specifications used.
6.BMPs shall be inspected and maintained until all disturbed areas are stabilized in accordance with the Final Stabilization Criteria (CGP 2.2.14.b). Generally, all disturbed areas, other than structures and impervious surfaces, must have uniform perennial vegetation that provides 70 percent or more of the cover provided by native vegetation or seed the disturbed area and provide non-vegetative mulch that provides cover for at least three years without active maintenance. Final stabilization must be approved by the City of Albuquerque prior to removal of BMPs and discontinuation of inspections.

CPESC Stamp for Resubmittal
CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL
CPESC
RACHEL BARNETT
No. [illegible]
6/9/2025

EIGHT 14 SOLUTIONS
EROSION CONTROL & ENVIRONMENTAL CONSULTING

Project Name: Westpointe Data Center
Date: 6/9/2025

GROUND COVER (PRE-CONSTRUCTION)

THE UNDISTURBED AND PRE-CONSTRUCTION GROUND COVER CONSISTS OF UNCOMPACTED SOIL WITH UNDEVELOPED BARE SOIL, WEEDS, AND SHRUBS ALONG WITH GRAVEL AND BITUMINOUS PAVEMENT WITH MINIMAL TO NO DISTURBANCES TO GRADING.

ACCORDING TO WEB SOIL SURVEY BY THE USDA NRCS, THE SITE IS 52% LOAMY FINE SAND WITH AN ERODIBILITY FACTOR OF 0.24, AND 48% GRAVELLY SAND WITH AN ERODIBILITY FACTOR OF 0.05.

SEDIMENT BASIN MAINTENANCE AND INSPECTION

MAINTENANCE:

- REMOVE ACCUMULATED SEDIMENT TO MAINTAIN AT LEAST ONE-HALF OF THE DESIGN CAPACITY AND CONDUCT ALL OTHER APPROPRIATE MAINTENANCE TO ENSURE THE BASIN OR IMPOUNDMENT REMAINS IN EFFECTIVE OPERATING CONDITION
- REGULARLY CHECK SEDIMENT LEVELS WITHIN THE TEMPORARY DIVERSION SWALES. REMOVE EXCESS SEDIMENT THAT MAY BE REDUCING THE PERFORMANCE OF THE SWALE. FIX ANY SIDE SLOPES THAT MAY HAVE ERODED.
- ENSURE THE BERMS HAVE PROPER VEGETATION/STABILIZATION TO PREVENT EROSION.
- REPAIR ANY STRUCTURAL ISSUES OR ERODED AREAS ON THE BERMS.

INSPECTION:

- PER SECTION 4 OF THE CGP, INSPECTION MUST OCCUR ONCE EVERY SEVEN (7) CALENDAR DAYS OR ONCE EVERY 14 CALENDAR DAYS AND WITHIN 24 HOURS OF THE OCCURRENCE OF A STORM EVENT OF 0.25 INCHES OR GREATER, OF THE OCCURRENCE OF RUNOFF FROM SNOWMELT IS SUFFICIENT TO CAUSE A DISCHARGE.
- DURING INSPECTION, CHECK WHETHER ALL STORMWATER CONTROLS ARE PROPERLY INSTALLED, APPEAR TO BE OPERATIONAL, AND ARE WORKING AS INTENDED TO MINIMIZE POLLUTANT DISCHARGES. IDENTIFY ALL POINTS OF DISCHARGE AT THE SITE AND OBSERVE/DOCUMENT THE VISUAL QUALITY OF THE DISCHARGE, AND TAKE NOTE OF THE CHARACTERISTICS OF THE STORMWATER DISCHARGE, INCLUDING COLOR; ODOR; FLOATING, SETTLED, OR SUSPENDED SOLIDS; FOAM; OIL SHEEN; AND OTHER INDICATORS OF STORMWATER POLLUTANTS.
- INSPECT INLET AND OUTLET CONDITIONS OF THE SEDIMENT BASIN
- INSPECT SEDIMENT LEVELS WITHIN THE TEMPORARY DIVERSION SWALES. INSPECT THE SWALES FOR ANY TRASH OR DEBRIS AND REMOVE TO ENSURE THE SWALE IS FUNCTIONING PROPERLY.
- INSPECT THE BERM FOR SIGNS OF EROSION, DAMAGE, OR STRUCTURAL ISSUES.

BMP INSTALLATION/REMOVAL

1. CONSTRUCT TEMPORARY DIVERSION SWALES, BERMS, AND SEDIMENT BASINS AS FIRST ITEMS OF CONSTRUCTION TO ENSURE THAT ALL OF THE SITE STORMWATER ENTERS THE SEDIMENT BASINS.
2. ALL BERMS WILL BE MODIFIED AND/OR REMAIN IN PLACE AFTER STABILIZATION OF SITE.
3. TEMPORARY DIVERSON SWALE TO BE REMOVED AFTER SITE STABILIZATION.
4. SEDIMENT BASINS
   - 4.1. SEDIMENT BASIN 1 - TO BE REMOVED AFTER STABILIZATION OF SITE
   - 4.2. SEDIMENT BASIN 2 - TO BE REMOVED AFTER STABILIZATION OF SITE
   - 4.3. SEDIMENT BASIN 3 - TO REMAIN IN PLACE AS A POST CONSTRUCTION SWQ POND
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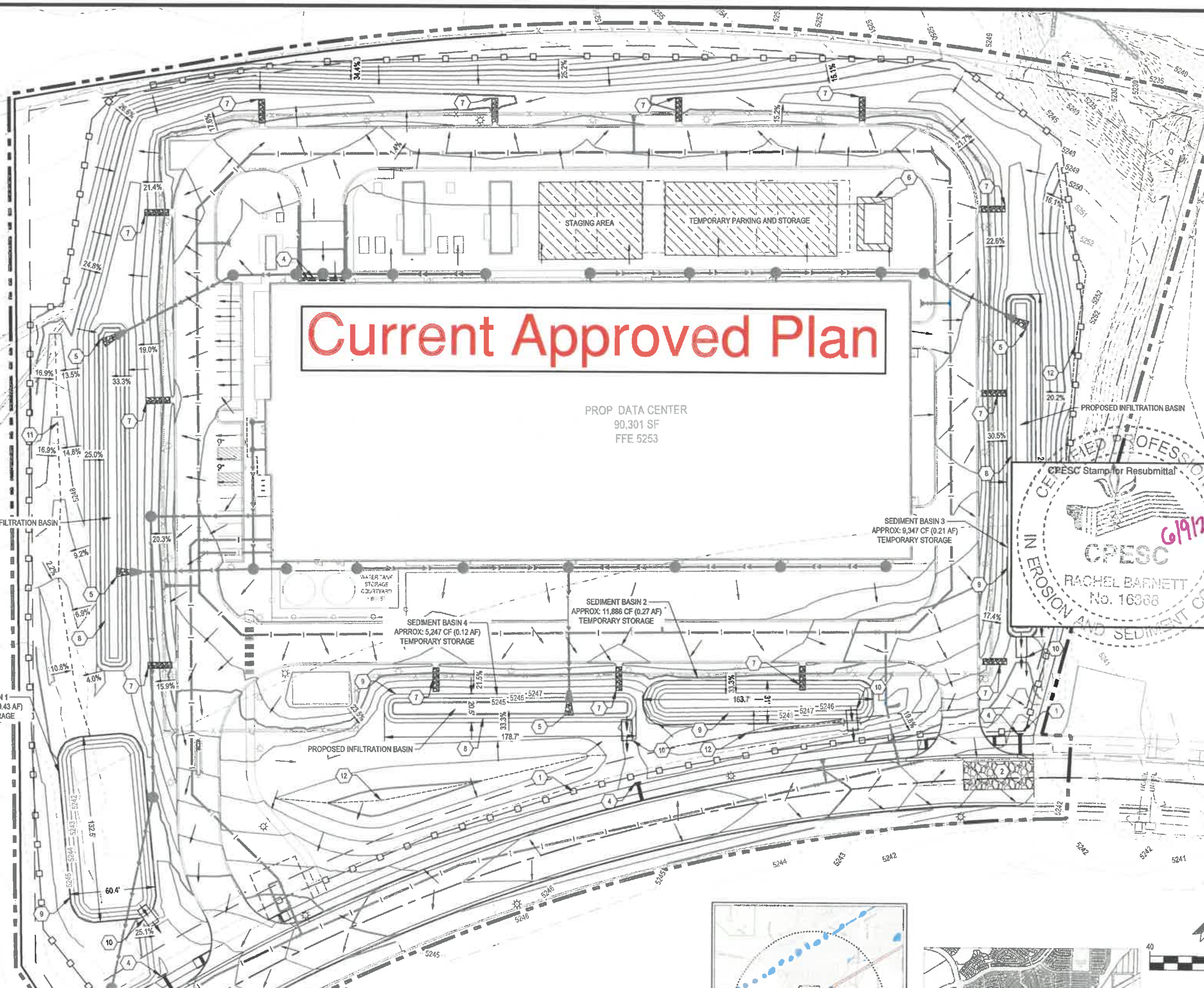

TEMPORARY SEDIMENT BASIN DESIGN				
	SEDIMENT BASIN 1	SEDIMENT BASIN 2	SEDIMENT BASIN 3	SEDIMENT BASIN 4
LENGTH (FT)	132.5	163.7	244.2	178.7
WIDTH (FT)	60.4	31	20	21
DEPTH (FT)	3	4	2.5	2
RIM	5245	5249.5	5246.5	5247
OVERFLOW INVERT	5244.5	5249	5246	5246.5
8" PIPE INVERT	5242.5	5246.45	5245.05	5246.45
EXISTING DRAINAGE AREA	3.49	2.86	2.06	1.45
PROPOSED DRAINAGE AREA	3.12	3.25	2.08	1.41
EXISTING REQUIRED VOLUME (CF)	12,564	10,296	7,416	5,220
PROPOSED REQUIRED VOLUME (CF)	11,232	11,700	7,488	5,076
PROVIDED VOLUME (CF)	18,918	11,886	9,347	5,247
EXISTING 100 YR FLOW (CFS)	5.71	4.72	3.40	2.54
PROPOSED 100 YR FLOW (CFS)	0.2	0.63	0.03	0.34

LEGEND

- PROPERTY BOUNDARY
- LOT LINE
- EASEMENT LINE
- SETBACK LINE
- RIGHT OF WAY LINE
- 901 EXISTING MINOR CONTOUR
- 900 EXISTING MAJOR CONTOUR
- 901 PROPOSED MINOR CONTOUR
- 900 PROPOSED MAJOR CONTOUR
- STABILIZED ROCK CONSTRUCTION EXIT
- SILT FENCE
- INLET PROTECTION
- MULCH SOCK
- CONSTRUCTION LIMITS
- TEMPORARY SEDIMENT TRAP DISCHARGE
- TEMPORARY DIVERSION SWALE
- BERM

NOTES

1. SEE SHEET ESC-002 FOR ADDITIONAL PROJECT NOTES.
2. CONSTRUCTION SITE SHALL HAVE STABILIZED EXIT AT ALL TIMES THROUGHOUT THE DURATION OF THE PROJECT. CONTRACTOR IS ULTIMATELY RESPONSIBLE TO PROTECT DOWNSTREAM WATERS FROM CONSTRUCTION RUNOFF.
3. UNTRENCHED SILT FENCE OR ORANGE SNOW FENCE MAY BE USED FOR TREE PROTECTION.
4. CONSTRUCTION LIMITS AND SILT FENCE ARE SHOWN OFFSET FROM PROPERTY LINE FOR CLARITY, WHERE APPLICABLE.
5. CLEAR AND GRUB AS NEEDED WITHIN LIMITS OF DISTURBANCE.
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7. CONTRACTOR SHALL EVALUATE LIMITS OF REMOVAL FOR PROPOSED UTILITY INSTALLATION. IN THE EVENT THAT CURB AND PAVEMENT ARE IMPACTED IN ADDITION TO THE SIDEWALK CONTRACTOR SHALL REPLACE EXISTING CURB AND PAVEMENT TO MATCH EXISTING CONDITIONS PER CITY STANDARDS AND REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.
6. SEDIMENT BASIN SIZING WAS BASED ON 3,600 CF LIVE STORAGE PER ACRE OF THE BASINS' DRAINAGE AREA.
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KEYNOTES (#)

1. SILT FENCE - SEE DETAIL 1/004
2. STABILIZED ROCK CONSTRUCTION EXIT - SEE DETAIL 2/004
3. SANDBAG - 4' L X 6" H
4. MULCH SOCK - SEE DETAIL 3/004
5. RIPRAP AT FES - SEE DETAIL 6/004
6. LEAK-PROOF CONCRETE WASH OUT PIT - SEE CGP 2.3.4, GENERAL EROSION CONTROL NOTE 6, AND 7/004 OR APPROVED EQUAL
7. RIPRAP SWALE OUTLET AT CURB CUT - SEE DETAIL 5/004
8. POND STABILIZATION PER REQUIREMENTS OF SECTION 1013
9. TEMPORARY SEDIMENT BASIN - SEE DETAIL 4/004
10. TEMPORARY STORM PIPE FOR OVERFLOW OF THE TEMPORARY SEDIMENT BASIN - SEE DETAIL 4/004
11. TEMPORARY DIVERSION SWALE - SEE DETAIL 8/004
12. DIVERSION BERM

GRAPHIC SCALE 40 0 40 80 (IN FEET) 1 inch = 40 ft.

811 CALL NM ONE-CALL SYSTEM SEVEN (7) DAYS PRIOR TO ANY EXCAVATION

Stantec

CONSULTANTS

Original approved Erosion and Sediment Control Plan was not created by Eight 14 Solutions. Engineer stamp was applied prior to Eight 14 Solutions TESCP 6/9/2025 resubmittal to CABQ.

COLLEEN M. RUIZ NEW MEXICO 16240 10/17/2024 PROFESSIONAL ENGINEER

No revisions were made by Eight 14 Solutions to this page for 6/9/2025 resubmittal.

NO. | DATE | DESCRIPTION | CONTRACTOR:

AS-BUILT INFORMATION | WORK STAKED BY: DATE: | INSPECTOR'S ACCEPTANCE BY: DATE: | FIELD VERIFICATION BY: DATE: | DRAWINGS CORRECTED BY: DATE:

DESIGNED BY: HKK
DRAWN BY: HKK
CHECKED BY: JRA
DATE 10/17/2024

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

WESTPOINTE DATA CENTER

SOIL EROSION AND SEDIMENT CONTROL
TEMPORARY ESC PLAN

DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL

ZONE MAP NO. J-09-Z & K-09-Z

CITY PROJECT NO. 655779

Proposed Revision to Temporary Erosion and Sediment Control Plan

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Legend

- Containment Berm
- Diversion Berm
- Flow Direction
- Silt Fence
- Stabilized Construction Entrance

Existing Silt Fence

Relocated Fods

Construction Trailer/Laydown Area

New Diversion Berm Will be constructed to catch and divert stormwater to new containment area

New Containment Berm Will be constructed to contain stormwater runoff at the southeast corner of the site

Existing Fods (Fods will be relocated to east side when berms and containment area are constructed)

Existing Concrete

Existing Concrete

Craft Parking Lot (Asphalt Millings)

Existing Asphalt

STAGING AREA

TEMPORARY PARKING AND STORAGE

PROPOSED INFILTRATION BASIN

SEDIMENT BASIN 1 APPROX: 18,918 CF (0.43 AF) TEMPORARY STORAGE

SEDIMENT BASIN 2 APPROX: 11,886 CF (0.27 AF) TEMPORARY STORAGE

SEDIMENT BASIN 3 APPROX: 9,347 CF (0.21 AF) TEMPORARY STORAGE

SEDIMENT BASIN 4 APPROX: 5,247 CF (0.12 AF) TEMPORARY STORAGE

WATER TANK STORAGE VOLUME: 3,800 SF

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   - 8.4. TEMPORARY SEDIMENT BASINS SHALL HAVE EMERGENCY OVERFLOW RIPRAP, SEE DETAIL

KEYNOTES

1. SILT FENCE - SEE DETAIL 1/004
2. STABILIZED ROCK CONSTRUCTION EXIT - SEE DETAIL 2/004
- 4' L X 6" H
- CK - SEE DETAIL 3/004
- FES - SEE DETAIL 6/004
- OF CONCRETE WASH OUT PIT - SEE CGP 2.3.4, EROSION CONTROL NOTE 6, AND 7/004 OR APPROVED
- ALE OUTLET AT CURB CUT - SEE DETAIL 5/004
- BILIZATION PER REQUIREMENTS OF SECTION 1013
- RY SEDIMENT BASIN - SEE DETAIL 4/004
- RY STORM PIPE FOR OVERFLOW OF THE TEMPORARY BASIN - SEE DETAIL 4/004
- RY DIVERSION SWALE - SEE DETAIL 8/004
- N BERM

CPESC Stamp for Resubmittal

CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL

CPESC

RACHEL BARNETT

No. 16368

6/9/2025

GRAPHIC SCALE

40 0 40 80

(IN FEET)

1 inch = 40 ft.

811

CALL NM ONE-CALL SYSTEM SEVEN (7) DAYS PRIOR TO ANY EXCAVATION

PROPOSED SITE

DAYTONA RD NW

BRISTOL RD

98TH ST

VICINITY MAP - ZONE ATLAS MAP J9 AND

FRANKLIN'S EARTHMOVING INC.

Stantec

CONSULTANTS

Original approved Erosion and Sediment Control Plan was not created by Eight 14 Solutions. Engineer stamp was applied prior to 6/9/2025 resubmittal to CABQ.

COLLEEN M. RUIZ NEW MEXICO 16240 10/17/2024 PROFESSIONAL ENGINEER

SEAL

NO.	DESCRIPTION / DATE	BY
	AS-BUILT INFORMATION	
	CONTRACTOR:	
	WORK STAKED BY: DATE:	
	INSPECTOR'S ACCEPTANCE BY: DATE:	
	FIELD VERIFICATION BY: DATE:	
	DRAWINGS CORRECTED BY: DATE:	

DESIGNED BY: HKK

DRAWN BY: HKK

CHECKED BY: JRA

DATE 10/17/2024

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

WESTPOINTE DATA CENTER

SOIL EROSION AND SEDIMENT CONTROL
TEMPORARY ESC PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL

ZONE MAP NO. J-09-Z & K-09-Z

CITY PROJECT NO. 655779

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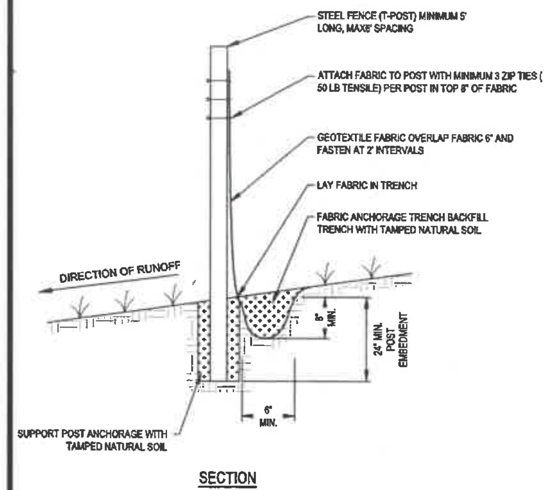
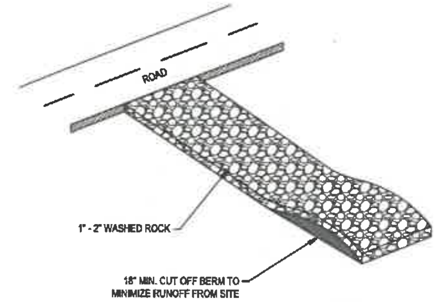
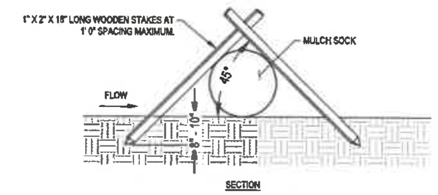


1 / 004 SILT FENCE MACHINE SLICED
NOT TO SCALE



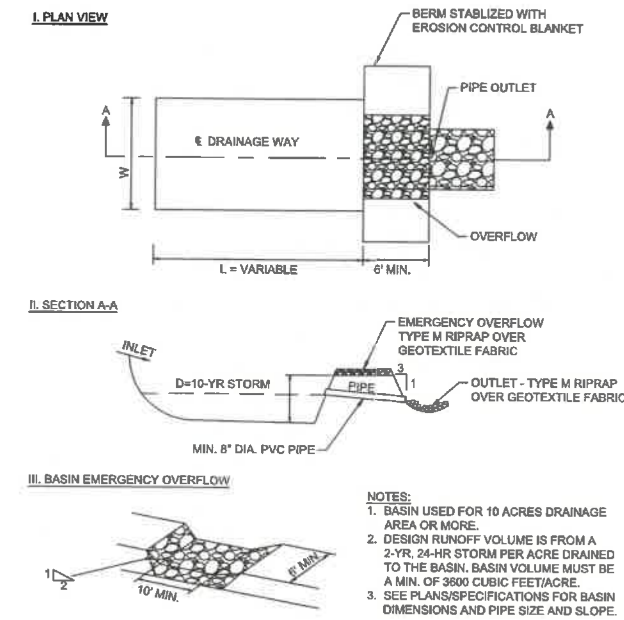
NOTES:
1. FILTER FABRIC SHALL BE PLACED UNDER ROCK TO STOP MUD MIGRATION THROUGH ROCK.
2. ENTRANCE MUST BE MAINTAINED TO PREVENT SEDIMENTATION ON PUBLIC ROADWAYS.
3. FUGITIVE ROCKS SHALL BE REMOVED FROM ADJACENT ROADWAYS DAILY OR MORE FREQUENTLY AS NECESSARY.

2 / 004 STABILIZED ROCK CONSTRUCTION EXIT
NOT TO SCALE



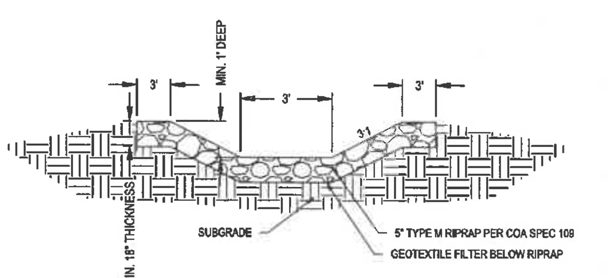
NOTE: IF PLACED ON PAVED SURFACE, DO NOT STAKE INTO SURFACE. CONTRACTOR SHALL ENSURE MULCH SOCK IS PROPERLY FUNCTIONING AT LEAST DAILY AND AS REQUIRED BY THE SWPPP/NPDES PERMIT, IF APPLICABLE.

3 / 004 MULCH SOCK
NOT TO SCALE

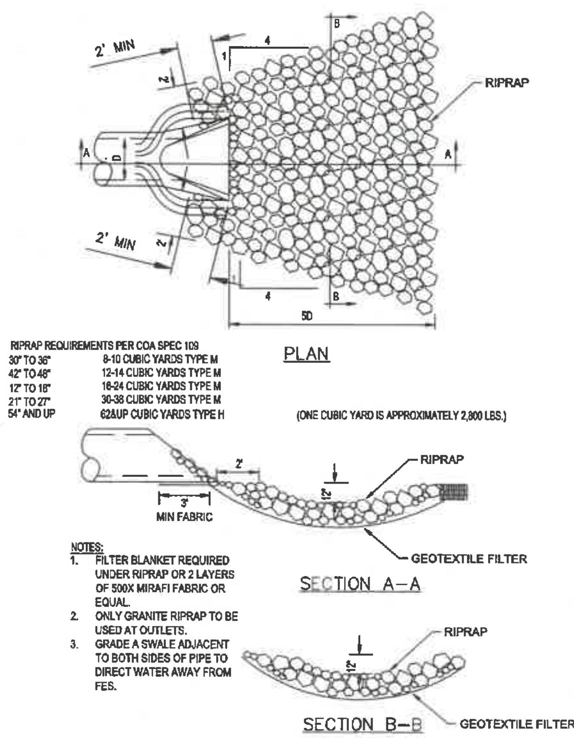


NOTES:
1. BASIN USED FOR 10 ACRES DRAINAGE AREA OR MORE.
2. DESIGN RUNOFF VOLUME IS FROM A 2-YR, 24-HR STORM PER ACRE DRAINED TO THE BASIN. BASIN VOLUME MUST BE A MIN. OF 3600 CUBIC FEET/ACRE.
3. SEE PLANS/SPECIFICATIONS FOR BASIN DIMENSIONS AND PIPE SIZE AND SLOPE.

4 / 004 TEMPORARY SEDIMENTATION BASIN - PIPE OUTLET
NOT TO SCALE



5 / 004 RIPRAP SWALE OUTLET AT CURB CUT CROSS SECTION
NOT TO SCALE



RIPRAP REQUIREMENTS PER COA SPEC 109

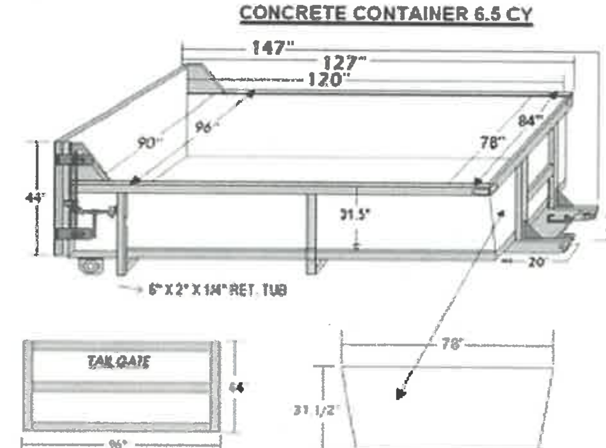
30" TO 36"	8-10 CUBIC YARDS TYPE M
42" TO 48"	12-14 CUBIC YARDS TYPE M
12" TO 18"	16-24 CUBIC YARDS TYPE M
21" TO 27"	30-38 CUBIC YARDS TYPE M
54" AND UP	62&UP CUBIC YARDS TYPE H

(ONE CUBIC YARD IS APPROXIMATELY 2,800 LBS.)

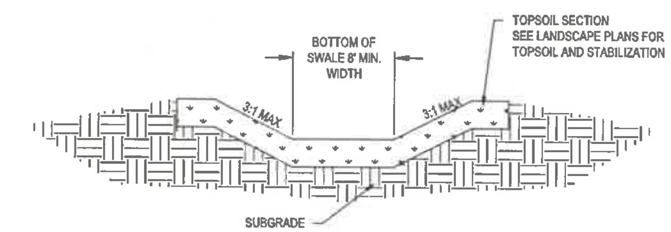
NOTES:
1. FILTER BLANKET REQUIRED UNDER RIPRAP OR 2 LAYERS OF 500X MIRAFI FABRIC OR EQUAL.
2. ONLY GRANITE RIPRAP TO BE USED AT OUTLETS.
3. GRADE A SWALE ADJACENT TO BOTH SIDES OF PIPE TO DIRECT WATER AWAY FROM FES.

6 / 004 RIPRAP AT OUTLETS
NOT TO SCALE

CONCRETE CONTAINER 6.5 CY



7 / 004 CONCRETE WASH OUT PIT
NOT TO SCALE



NOTE:
1. DEPTH AND SLOPE OF SWALE VARIES, SEE GRADING PLAN
2. CONTRACTOR TO ENSURE VEGETATION IS ESTABLISHED AND SWALE GRADING IS STABILIZED PRIOR TO INTRODUCING STORMWATER DISCHARGE INTO THE CONVEYANCE SWALES, TO MINIMIZE EROSION POTENTIAL.

8 / 004 TEMPORARY DIVERSION SWALE
NOT TO SCALE

CPESC Stamp for Resubmittal
CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL
CPESC
RACHEL BARNETT
No. 18308
6/9/2025

CALL NM ONE-CALL SYSTEM SEVEN (7) DAYS PRIOR TO ANY EXCAVATION

Stantec
CONSULTANTS

Original approved Erosion and Sediment Control Plan was not created by Eight 14 Solutions. Engineer stamp was applied prior to Eight 14 Solutions TESCP 6/9/2025 resubmittal to CABQ.

SEAL
COLLEEN M. RUIZ
NEW MEXICO
16240
10/17/2024
PROFESSIONAL ENGINEER

No revisions were made by Eight 14 Solutions to this page for 6/9/2025 resubmittal.

NO.	DATE	DESCRIPTION

AS-BUILT INFORMATION
CONTRACTOR:
WORK STAKED BY: DATE:
INSPECTORS ACCEPTANCE BY: DATE:
FIELD VERIFICATION BY: DATE:
DRAWINGS CORRECTED BY: DATE:

DESIGNED BY: HKK
DRAWN BY: HKK
CHECKED BY: JRA
DATE 10/17/2024

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

WESTPOINTE DATA CENTER
SOIL AND EROSION SEDIMENT CONTROL DETAILS

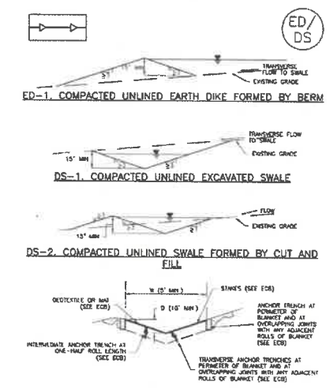
DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL

ZONE MAP NO. J-09-Z & K-09-Z
CITY PROJECT NO. 655779

Project Name: Westpointe Data Center
Date: 6/9/2025

Soil and Erosion Sediment Control Details (Sheet 2 of 2)

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)

Notes:

1. Earth dikes / berms / swales are typically used for controlling the flow path of runoff at a constructions site; sometimes by diverting water away from sensitive areas, or by conveying water to treatment BMPs (sediment traps or basins).
2. Unlined berms/dikes or swales need to be compacted such that the inspector does not sink into it when walking on it. Uncompacted berms shall not be built.
3. Dikes / berms / swales should only be used for intercepting sheet flow runoff (not intended for diversion of concentrated flows).
4. If there is reoccurring damage, consider installing rock check dams or lining with riprap.
5. If berms/dikes or swales are not permanent, then remove berms/dikes and fill channels when upstream area is stabilized. Immediately stabilize the disturbed area after the BMP removal.

Source: Urban Storm Drainage Criteria Manual Volume 3 and City of Albuquerque Construction Site Manual 2018

Earth Berms/ Dikes/ Drainage Swales

CPESC Stamp for Resubmittal

CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL
CPESC
RACHEL BARNETT
No. 16368
6/9/2025

Project Name: Westpointe Data Center

Date: 6/9/2025

EIGHT 14 SOLUTIONS
EROSION CONTROL & ENVIRONMENTAL CONSULTING