SOIL EROSION AND SEDIMENT CONTROL PLAN

FOR

ALBUQUERQUE
10 MW DATA CENTER

DAYTONA RD NW, ALBUQUERQUE, NEW MEXICO
OCTOBER 2024

PROJECT NUMBER - PR-2020-004747
SITE PLAN DFT - SI-2024-00451

ENGINEER

Stantec

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CLIENT

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SHEET LIST TABLE	
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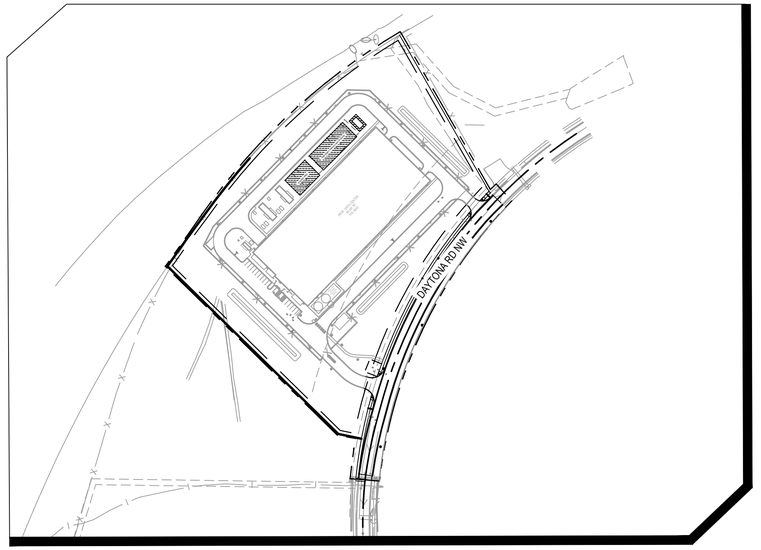
ESC-001	SOIL AND EROSION CONTROL COVER SHEET
ESC-002	SOIL EROSION AND SEDIMENT CONTROL DETAILS & NOTES
ESC-003	SOIL EROSION AND SEDIMENT CONTROL POST-CONSTRUCTION PLAN
ESC-004	SOIL EROSION AND SEDIMENT CONTROL DETAILS



PROJECT LOCATION
CITY: ALBUQUERQUE
COUNTY: BERNALILLO COUNTY

N

SEQUENCE OF CONSTRUCTION

1. INSTALL STABILIZED CONSTRUCTION ENTRANCES
2. POST PUBLIC NOTICE PER DETAILS
3. INSTALL DOWN GRADIENT PERIMETER CONTROLS
4. THE ENTIRE SITE WILL BE GRADED TO DRAIN TO THE PROPOSED PONDS AT ALL TIMES DURING CONSTRUCTION. INSTALL SEDIMENT BASINS PRIOR TO CLEARING REST OF THE SITE. RUNOFF FROM UPLAND BASINS TO THE NORTH AND EAST SHALL BE DIVERTED TO THE EAST AROUND THE SITE.
5. NOTIFY SWPPP COMPLIANCE INSPECTOR OF COMPLETION OF ABOVE.
6. BEGIN SOIL DISTURBING ACTIVITIES
7. PROVIDE TEMPORARY STABILIZATION OF DISTURBED AREAS OR STOCKPILES
8. INSTALL UNDERGROUND UTILITIES
9. START CONSTRUCTION OF BUILDING
10. FINISH GRADING THE SITE
11. PAVE ACCESS DRIVE AISLES AND SIDEWALKS
12. INSTALL LANDSCAPING ON SITE.

GROUND COVER (PRE-CONSTRUCTION)

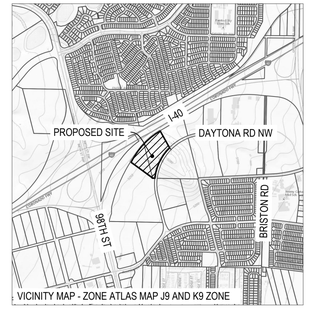
THE UNDISTURBED AND PRE-CONSTRUCTION GROUND COVER CONSISTS OF UNCOMPACTED SOIL WITH NATIVE GRASSES, WEEDS, AND SHRUBS WITH MINIMAL TO NO DISTURBANCES TO GRADING

STORMWATER TEAM MEMBERS:
BMP INSTALLATION, MAINTENANCE AND CORRECTIVE ACTIONS
PHONE:_____
EMAIL:_____
INSPECTIONS NAME:
PHONE:_____
EMAIL:_____

LIST OF OPERATORS:
OPERATOR 1 NAME:_____
PHONE:_____
EMAIL:_____

OPERATOR 2 NAME:_____
PHONE:_____
EMAIL:_____

OPERATOR 3 NAME:_____
PHONE:_____
EMAIL:_____



VICINITY MAP - ZONE ATLAS MAP J9 AND K9 ZONE

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

CONSULTANTS: Stantec

BENCH MARKS
ACS MONUMENT "7-K9"
RECORD INFORMATION:
NAD 1983 NM SPC CENTRAL ZONE (GRID)
N=1482904.725 (U.S. SURVEY FEET)
E=1496061.706 (U.S. SURVEY FEET)
ELEV=5140.082 (NAVD88, U.S. SURVEY FEET)
G-G=0.999681940
MAPPING ANGLE= -0°16'38.12"

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

NO.	DATE	DESCRIPTION	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 COVER SHEET

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	ZONE MAP NO. J-09-Z & K-09-Z
		CITY PROJECT NO. 655779
		SHEET NO. ESC - 001

\\US9042-PPFS501\SHARED_PROJECTS\193806687\5_DESIGN\1_CAD\ROADWAY PLANS\PLANSHEETS\C-202 ESC PLAN.DWG

NATURE AND EXTENT OF CONSTRUCTION ACTIVITIES

1. NATURE OF CONSTRUCTION ACTIVITES: MASS ROUGH GRADING OF THE SITE, INSTALLATION OF UTILITIES (WATER, SANITARY SEWER, AND STORM) AND PAVING OF INTERNAL DRIVE AISLES ENTRANCES, PARKING AND SIDEWALKS, BUILDING CONSTRUCTION AND LANDSCAPING, AND OFFSITE IMPROVEMENTS.
2. PROPERTY SIZE: 10.0 ACRES; LINEAR ROADWAY CONSTRUCTION: 0.25 MILES
3. DISTURBED AREA SIZE: 9.50 ACRES
4. MAXIMUM DISTURBED AREA SIZE AT ANY ONE TIME: 9.50 ACRES
5. PROJECT SCHEDULE: SUMMER 2024 - FALL 2025, SEE SEQUENCE OF CONSTRUCTION ON SHEET ESC-001 FOR SCHEDULE TASKS DESCRIPTION.
6. CONSTRUCTION PHASE: THE FIRST PHASE OF CONSTRUCTION, CONSISTS OF TRENCHING AND INSTALLING UTILITIES FOR SERVICE AND PAVING ROADWAY AND DRIVEWAY ENTRANCES TO THE PROPERTY.
7. N.O.T. TERMINATION: PARCELS ARE EXPECTED TO BE PERMANENTLY STABILIZED PRIOR TO OCCUPANCY.
8. STABILIZATION MEASURE: LOCALLY, NON-VEGETATIVE CONTROLS MAY CONSIST OF 2" OR ¾" GRAVEL MULCH MIXED WITH COA WESTSIDE SEED MIX PLACES TO COVER THE PARCEL OR VEGETATIVE CONTROLS MAY BE CRIMP STRAW OR HYDRO-SEED APPLIED WITH THE INTENT OF PROVIDING 70% OR MORE COVERAGE THAT IS PROVIDED BY VEGETATION NATIVE TO LOCAL UNDISTURBED AREAS WITHIN THREE YEARS, TO THE EXTENT NECESSARY TO PREVENT EROSION ON THE SEEDED AREA, NON-VEGETATIVE EROSION CONTROLS HAVE BEEN APPLIED THAT PROVIDE COVER AT LEAST FOR THREE YEARS WITHOUT ACTIVE MAINTENANCES. VEGETATIVE CONTROLS SHOULD BE APPLIED FROM JUNE TO AUGUST TO TAKE ADVANTAGE OF THE AREA'S RAIN SEASON.
9. CITY WEED REMOVAL ORDINANCE: PROPERTY OWNERS ARE TO COMPLY WITH THE CITY WEED REMOVAL ORDINANCE.
10. INSPECTIONS: SEE ESC PLAN STANDARD NOTE #3, THIS SHEET.

EROSION CONTROL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT FROM THE LOCAL JURISDICTIONAL AUTHORITY PRIOR TO BEGINNING WORK.
2. THE OPERATOR WITH CONTROL OF THE DAILY SITES ACTIVITIES IS RESPONSIBLE FOR MAINTAINING RUN-OFF AND RUN-ON OF THE SITE DURING CONSTRUCTION.
3. THE OPERATOR WITH CONTROL OF THE DAILY SITES ACTIVITES IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
4. ALL EXPOSED EARTH SURFACES MUST HAVE APPROPRIATE CONTROLS TO PROTECT FROM WIND AND WATER EROSION DURING ALL PHASES OF THE PROJECT.
5. STOCKPILES INACTIVE FOR 14 DAYS ARE REQUIRED TO HAVE TEMPORARY STABILIZATION OR APPROPRIATE COVER TO CONTROL WIND AND WATER EROSION.
6. THE OPERATOR WITH CONTROL OF THE DAILY SITES ACTIVITIES IS REQUIRED TO MAINTAIN ALL SITE BMP'S IN GOOD CONDITION FOR THE DURATION OF THE PROJECT UNTIL A NOTICE OF TERMINATION IS ACCEPTED BY THE EPA.
7. IF SITE EARTH DISTURBANCES EXCEED 5 ACRES AT ANY ONE TIME, TEMPORARY AND/OR PERMANENT STABILIZATION MUST BE COMPLETED WITHIN 7 CALENDAR DAYS WHEN AREA BECOMES INACTIVE OR EARTH DISTURBING ACTIVITIES ARE COMPLETE. SITE EARTH DISTURBANCES OF LESS THAN 5 ACRES, HAVE 14 CALENDAR DAYS TO PROVIDE TEMPORARY OR PERMANENT STABILIZATION WHEN AREA BECOMES INACTIVE OR EARTH DISTURBING ACTIVITIES ARE COMPLETE.
8. CONTRACTOR TO COMPLETE VEGETATIVE STABILIZATION IN COMPLIANCE TO THE DEADLINES RELATING TO THE SEASONALLY DRY PERIOD. MONTHS OF JANUARY, FEBRUARY, MAY, JUNE, NOVEMBER, AND DECEMBER ARE CONSIDERED SEASONALLY DRY.
9. SOIL PREPARATION: PREPARE SOIL IN ACCORDANCE WITH NMDOT SPECIFICATIONS.
10. EROSION CONTROL SHALL MEET THE FOLLOWING REQUIREMENTS:
    A. SILT FENCE: NMDOT SPEC 603 SILT FENCE
    B. COMPOSTED MULCH SOCK: NMDOT SPEC 603 COMPOSTED MULCH SOCK
    C. SOIL RETENTION BLANKETS: NMDOT SPEC 603, SOIL RETENTION BLANKET
    D. PERMANENT SEED: SEE LANDSCAPE PLAN.
    E. RIPRAP: COA SPEC 109, RIPRAP.
    F. GEOTEXTILE FOR RIPRAP: NMDOT SPEC 604, GEOTEXTILE FILTER FABRIC CLASS 1

GRADING NOTES

1. PROPOSED CONTOURS ARE TO FINISHED SURFACE GRADE, UNLESS NOTED OTHERWISE.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO QUANTIFY SOIL IMPORT OR EXPORT FOR THE SITE AND PERFORM THEIR OWN QUANTITY TAKEOFFS FROM THE DRAWINGS FOR BIDDING PURPOSES. EXCESS MATERIAL, UNLESS NOTED OTHERWISE, IS THE PROPERTY OF THE CONTRACTOR AND IS TO BE MOVED AND DISPOSED OF OFFSITE IN ACCORDANCE WITH APPLICABLE LAWS.
3. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND ENSURE NO PONDING IN PAVED AREAS. CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING IF GRADING DISCREPANCIES ARE FOUND IN EXISTING OR PROPOSED GRADES PRIOR TO PLACEMENT OF PAVEMENT. OBSERVE PAVEMENT AREAS FOR EVIDENCE OF PONDING BEFORE PLACEMENT OF PAVEMENT TO ENSURE DRAINAGE IS ADEQUATE TO INTENDED AREA.
4. CONTRACTOR SHALL BACKFILL SUBGRADE AND TRENCH EXCAVATIONS PROMPTLY AFTER EXCAVATION TO HELP OFFSET STABILITY PROBLEMS DUE TO WATER SEEPAGE OR STEEP SLOPES, TO AVOID UNDERMINING OF EXISTING PAVEMENT, AND FOR PUBLIC SAFETY AND ACCESS TO DRIVEWAYS.
5. CONTRACTOR SHALL PROVIDE PERMANENT STABILIZATION/ GROUND COVER IN ACCORDANCE WITH THE EROSION CONTROL/LANDSCAPE PLAN.
6. EXISTING TOPSOIL ON SITE VARIES IN DEPTH. CONTRACTOR SHALL REMOVE SURFACE VEGETATION AND TOPSOIL AND OTHER LOOSE, SOFT OR OTHERWISE UNSUITABLE MATERIAL FROM THE IMPERVIOUS AREAS AND OTHER AREAS AS DIRECTED BY THE ENGINEER BEFORE PLACEMENT OF SUITABLE FILL MATERIAL.
7. CONTRACTOR SHALL EXCAVATE AND DISPOSE OF UNSUITABLE OR CONTAMINATED SOILS DISCOVERED ONSITE IN ACCORDANCE WITH APPLICABLE REGULATIONS AND AS DIRECTED BY THE ENGINEER.
8. EXCAVATE, COMPACT EMBANKMENT/SUITABLE FILL AND BACKFILL IN ACCORDANCE WITH THE GEOTECHNICAL REPORT AND IN ACCORDANCE WITH CITY/UTILITY PROVIDER REQUIREMENTS.
9. CONTRACTOR SHALL MEET MOISTURE CONTENT/CONTROL REQUIREMENTS IN ACCORDANCE WITH THE GEOTECHNICAL REPORT AND CITY/UTILITY PROVIDER REQUIREMENTS AND SITE TESTING REQUIREMENTS.
10. ONSITE EMBANKMENT MATERIAL FREE OF ORGANIC SOIL AND DEBRIS MAY BE CONSIDERED FOR REUSE AS SUITABLE FILL MATERIAL IN PERVIOUS AREAS BUT MUST BE ACCEPTED BY THE ENGINEER.
11. IMPORTED SUITABLE FILL MATERIAL NEEDED MAY CONSIST OF SAND (SW, SP), SILTY SAND (SM), CLAYEY SAND (SC), SANDY LEAN CLAY OR LEAN CLAY (CL), ACCORDING TO THE USCS CLASSIFICATION WITH A PLASTIC INDEX OF THESE MATERIALS NOT EXCEEDING 15 AND MUST BE ACCEPTED BY THE ENGINEER BEFORE BRINGING ON THE SITE.
12. CONTRACTOR SHALL PROVIDE DEWATERING MEASURES AS REQUIRED OR AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER.

GENERAL EROSION NOTES

1. THE OPERATOR IN CONTROL OF DAILY SITE ACTIVITIES SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP, ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS THAT MAY OCCUR AT NO ADDITIONAL COST TO PROJECT OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
2. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO ALL FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. OPERATOR WITH CONTROL OF DAILY SITE ACTIVITIES SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY, LOCAL JURISDICTIONAL AUTHORITY, OR SWPPP COMPLIANCE INSPECTOR.
3. THE TEMPORARY EROSION CONTROL AND SEDIMENTATION PLAN IS A WORKING DOCUMENT AND IS REQUIRED TO BE UPDATED WITHIN 24 HOURS OF ANY CHANGES WHEN BMP'S ARE REQPAIRED, RELOCATED, OR REMOVED BY NOTING ON THE PLAN THE AREAS AND DATES OF THE REAPIRS, RELOCATIONS, OR REMOVALS. AN ACTIVE COPY OF THE PLAN SHALL BE POSTED IN THE JOB SITE TRAILER ONSITE AND MUST BE MAINTAINED CURRENT AT ALL TIMES.
4. CONTRACTOR SHALL MINIMIZE CLEARING AND EARTH DISTURBANCE TO THE MAXIMUM ACREAGE AS REQUIRED BY THE EPA CONSTRUCTION GENERAL PERMIT.
5. CONTRACTOR SHALL DENOTE ON THIS PLAN, THE LOCATION OF TEMPORARY PARKING, STORAGE, PORTABLE SANITARY FACILITIES, OFFICE TRAILERS, AND ALL SUPPORT AREAS. RELOCATIONS OF EACH SHALL ALSO BE DOCUMENTED AS THEY OCCUR.
6. ALL WASH OUT WATER USED FOR CONCRETE, MASONRY, PAINT, STUCCO AND OTHER MATERIALS SHALL HAVE ADEQUATE SIGNAGE, WITH PROPER LEAK-PROOF CONTAINMENT PER CGP 2.3.4 AND DISPOSED OF PROPERLY WHEN CAPACITY REACHES 50% OR PER VENDOR RECOMMENDATIONS. VENDORS AND TRADESMEN SHALL BE INFORMED OF THE REQUIREMENTS TO USE THE WASH OUT. DO NOT DUMP LIQUID WASTES IN STORM SEWERS OR WATERS OF THE U.S, DISPOSE OF LIQUID WASTES IN ACCORDANCE WITH APPLICABLE REQUIREMENTS IN PART 2.3.3 OF THE CGP AND REMOVE AND DISPOSE OF HARDENED CONCRETE WASTE CONSISTENT WITH YOUR HANDLING OF OTHER CONSTRUCTION WATES IN PART 2.3.3. LOCATE ANY WASHOUT OR CLEANOUT ACTIVITIES AS FAR AWAY AS POSSIBLE FROM THE WATERS OF THE U.S. AND STORMWATER INLETS OR CONVEYANCES, AND TO THE EXTENT FEASIBLE, DESIGNATE AREAS TO BE USED FOR THESE ACTIVITIES AND CONDUCT SUCH ACTIVITIES ONLY IN THESE AREAS.
7. A SPILL KIT SHALL BE READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS. A DISCHARGE OF ANY MATERIAL IN A QUANTITY THAT MAY WITHIN REASONABLE PROBABILITY CAUSE, INJURE, OR BE DETRIMENTAL TO HUMAN HEALTH, ANIMAL, OR PLAN LIFE, OR PROPERTY; OR INTERFERE WITH THE PUBLIC WELFARE MUST BE REPORTED TO THE NEW MEXICO ENVIRONMENTAL DEPARTMENT HOTLINE AT (505) 827-9329 FOR EMERGENCIES OR FOR NON EMERGENCIES AT (866) 428-6535. IF UNSURE IF THE SPILL IS OF A SIGNIFICANT QUANTITY, THE SPILL SHOULD BE REPORTED TO THE HOTLINE AND INFORMATION PROVIDED WITH DETAILS OF THE SPILL FOR FURTHER ACTIONS.
8. DUST DURING CONSTRUCTION OPERATIONS SHALL BE FREQUENTLY CONTROLLED BY WATER SUPPRESSION METHODS ONLY. EARTH DISTURBING OPERATIONS SHALL CEASE IF HIGH WINDS ABOVE 35 MPH ARE PRESENT. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS IS STRICTLY PROHIBITED. OTHER CHEMICALS USED FOR DUST SUPPRESSION MUST BE APPROVED BY THE EPA PRIOR TO THEIR USE.
9. RUBBISH, TRASH, GARBAGE, LITTLER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED, COVERED, LEAK PROOF CONTAINERS. CONTAINERS SHALL BE DISPOSED OF PROPERLY WHEN CAPACITY IS REACHED. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER.
10. ALL STORMWATER POLLUTION PREVENTION MEASURES AND CONTROLS PRESENTED ON THIS PLAN SHALL BE INITIATED PER THE SEQUENCE OF CONSTRUCTION AS NOTED.
11. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS BEEN TEMPORARILY SUSPENDED FOR 14 CALENDAR DAYS SHALL HAVE TEMPORARILY STABILIZATION IN PLACE NO LATER THAN 14 CALENDAR DAYS FROM THE LAST DATE OF CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS.
12. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS BEEN PERMANENTLY STOPPED SHALL HAVE PERMANENT CONTROLS IN PLACE NO LATER THAN 14 CALENDAR DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS.
13. IF THE ACTION OF VEHICLES OR EQUIPMENTS TRAVELING OVER THE CONSTRUCTION ENTRANCES ARE NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD FROM LEAVING THE SITE, THEN THE LENGHT OF THE EXIT SHOULD BE EXTENDED TO PROVIDE ADDITIONAL TIRE ROTATIONS, LARGER ROCK MAY BE USED TO CREATE A SUFFICIENT JARRING MOTION OR INSTALL A TIRE WASH OFF WITH A SEDIMENT TRAP BEFORE LEAVING THE SITE.
14. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
15. THE OPERATOR IN CHARGE OF THE DAILY SITES ACTIVITIES WILL BE RESPONSIBLE FOR REMOVING SEDIMENT OR SOILS ACCUMULATING MORE THAN 50% OF THE DESIGN CAPACITY IN DETENTION PONDS, SILT FENCING, OR OTHER SIMILAR EROSION CONTROLS.
16. ON-SITE & OFFSITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES, AS REQUIRED PER THE CONSTRUCTION GENERAL PERMIT. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE ESC PLAN AND PERMITTED IN ACCORDANCE WITH LOCAL AUTHORITIES HAVING JURISDICTIONAL CONTROL.
17. SLOPES SHALL BE LEFT WITH CROSS SLOPE GRADING PATTERN AND IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION RILLS. EXCESSIVE SLOPES MAY REQUIRE ADDITIONAL INDUSTRY STANDARD CONTROLS TO PREVENT EROSION.
18. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE OPERATOR IN CONTROL OF THE SITE'S DAILY ACTIVITIES SHALL BE RESPONSIBLE FOR ADJUSTING AND MAINTAINING ALL EROSION CONTROL TO PREVENT EROSION.
19. ALL DISTURBED AREAS SHALL BE SUPPRESSED BY WATER AND ALL CONTROLS LEFT IN GOOD WORKING CONDITION AT THE END OF EACH WORKING DAY, THIS INCLUDES REPLACEMENT OF SILT FENCING AND/OR SURFACE CONTROLS, TRACK OUT SWEPT CLEAN, BACKFILL OF OPEN TRENCHES AND ANY OTHER EROSION CONTROLS.

ESC PLAN STANDARD NOTES

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:
   1.1. THE CITY ORDINANCE §14-5-2-11, THE ESC ORDINANCE,
   1.2. THE EPA'S 2022 CONSTRUCTION GENERAL PERMIT (CGP), AND
   1.3. 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 BMP'S AND PRIOR TO BEGINNING CONSTRUCTION.
3. SELF-INSPECTIONS: IN ACCORDANCE WITH CITY ORDINANCE §14-5-2-11(C)(1), "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 ¼ INCH OR GREATER UNTIL THE SITE CONSTRUCTION HAS BEEN COMPLETED AND THE SITE DETERMINED AS STABILIZATION 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. FINAL STABILIZATION AND NOTICE OF TERMINATION (NOT): IN ACCORDANCE WITH CITY ORDINANCE §14-5-2-11(C)(1), SELF-INSPECTIONS MUST CONTINUE UNTIL THE SITE IS "DETERMINED AS STABILIZED BY THE CITY." THE PROPERTY OWNER/OPERATOR IS RESPONSIBLE FOR DETERMINING WHEN THE "CONDITIONS FOR TERMINATING CGP COVERAGE" PER CGP PART 8.2 ARE SATISFIED AND THEN FOR FILING THEIR NOTICE OF TERMINATION (NOT) WITH THE EPA. EACH OPERATOR MAY TERMINATE CGP COVERAGE ONLY IF ONE OR MORE OF THE CONDITIONS IN PART 8.2.1, 8.2.2, OR 8.2.3 HAS OCCURRED. AFTER FILING THE NOT WITH THE EPA, THE PROPERTY OWNER IS RESPONSIBLE FOR REQUESTING A DETERMINATION OF STABILIZATION FROM THE CITY.
6. WHEN DOING WORK IN THE CITY RIGHT-OF-WAY (E.G. SIDEWALK, DRIVE PADS, UTILITIES, ECT.), PREVENT DIRT FROM GETTING INTO THE STREET. IF DIRT IS PRESENT IN THE STREET, THE STREET SHOULD BE SWEPT DAILY OR PRIOR TO A RAIN EVENT OR CONTRACTOR INDUCED WATER EVENT (E.G. CURB CUT OR WATER TEST).
7. WHEN INSTALLING UTILITIES BEHIND THE CURB, THE EXCAVATED DIRT SHOULD NOT BE PLACED IN THE STREET.
8. WHEN CUTTING THE STREET FOR UTILITIES THE DIRT SHALL BE PLACED ON THE UPHILL SIDE OF THE STREET CUT AND THE AREA SWEPT AFTER THE WORK IS COMPLETE. A WATTLE OR MULCH SOCK MAY BE PLACED AT THE TOE OF THE EXCAVATED DIRT PILE IF SITE CONSTRAINTS DO NOT ALLOW PLACING THE EXCAVATED DIR ON THE UPHILL SIDE OF THE STREET CUT.
9. ESC PLANS MUST SHOW LONGITUDINAL STREET SLOPE AND STREET NAMES. ON STREETS WHERE THE LONGITUDINAL SLOPE IS STEEPER THAN 2.5%, WATTLES/MULCH SOCKS OR J-HOOD SILT FENCE SHALL BE SHOWN IN THE FRONT YARD SWALE OR ON THE SIDE OF THE STREET.

BMP MAINTENANCE

ALL MEASURES STATED IN THIS EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR UNTIL FINAL STABILIZATION OF THE SITE IS ACHIEVED. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED AT THE END OF THE WORKDAY BY A QUALIFIED MEMBER OF THE SWPPP COMPLIANCE TEAM.
THE OPERATOR WITH CONTROL OF THE SITES DAILY ACTIVITIES IS RESPONSIBLE TO MAINTAIN, CLEAN, AND REPAIR EROSION CONTROLS IN ACCORDANCE WITH THE FOLLOWING:

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED, IF THEY SHOWN SIGNS OF UNDERMINING OR DETERIORATION. SEDIMENT SHALL BE REMOVED TO ENSURE PROPER FLOWS. INLET PROTECTION TYPES MAY NEED TO BE MODIFIED DURING THE CONSTRUCTION PROGRESS. CLEAN, OR REMOVE AND REPLACE, THE INLET PROTECTION MEASURES AS SEDIMENT ACCUMULATES, THE FILTER BECOMES CLOGGED, AND/OR PERFORMANCE IS COMPROMISED. WHERE THERE IS EVIDENCE OF SEDIMENT ACCUMULATION ADJACENT TO THE INLET PROTECTION MEASURE, REMOVE THE DEPOSITED SEDIMENT BY THE END OF THE SAME BUSINESS DAY IN WHICH IT IS FOUND OR BY THE END OF THE FOLLOWING BUSINESS DAY IF REMOVAL BY THE SAME BUSINESS DAY IS NOT FEASIBLE.
2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND OF VEGETATION IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RE-SEEDED AS NEEDED.
3. SILT FENCES, WADDLES, OR OTHER PERIMETER CONTROLS SHALL BE REPLACED TO PROPER FUNCTIONING CONDITION, IF DAMAGED. REMOVE SEDIMENT BEFORE IT HAS ACCUMULATED TO ONE-HALF OF THE ABOVE-GROUND HEIGHT OF ANY PERIMETER CONTROL. AFTER A STORM EVENT, IF THERE IS EVIDENCE OF STORMWATER CIRCUMVENTING OR UNDERCUTTING THE PERIMETER CONTROL, EXTEND/OR REPAIR UNDERCUT AREAS TO FIX THE PROBLEM.
4. THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF SEDIMENT INTO PUBLIC OR PRIVATE ROADWAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING, EXTENDING , OR OTHER MODIFICATIONS TO THE CONSTRUCTION EXITS AS CONDITIONS DEMAND. SITE TRAFFIC SHOULD BE LIMITED TO THE CONTROLLED EXITS ONLY. IMPLEMENT ADDITIONAL TRACK-OUT CONTROLS AS NECESSARY TO ENSURE THAT SEDIMENT REMOVAL OCCURS PRIOR TO VEHICLE EXIT. WHERE SEDIMENT HAS BEEN TRACKED-OUT FROM THE SITE ONTO PAVED ROADS, SIDEWALKS, OR OTHER PAVED AREAS OUTSIDE OF THE SITE, REMOVE THE DEPOSITED SEDIMENT BY THE END OF THE SAME BUSINESS DAY IN WHICH THE TRACK-OUT OCCURS OR BY THE END OF THE NEXT BUSINESS DAY IF TRACK-OUT OCCURS ON A NON-BUSINESS DAY. REMOVE THE TRACK-OUT BY SWEEPING, SHOVELING, OR VACUUMING THESE SURFACES, OR BY USING OTHER SIMILARLY EFFECTIVE MEANS OF SEDIMENT REMOVAL. HOSING OR SWEEPING OF ANY TRACKED-OUT SEDIMENT IS PROHIBITED INTO ANY CONSTRUCTED OR NATURAL SITE DRAINAGE FEATURE, STORM DRAIN INLET, OR RECEIVING WATER.
5. SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 50%.

CONSULTANTS

Stantec

BENCH MARKS

ACS MONUMENT "7-K9"
RECORD INFORMATION:
NAD 1983 NM SPC CENTRAL ZONE (GRID)
N=1482904.725 (U.S. SURVEY FEET)
E=1496061.706 (U.S. SURVEY FEET)
ELEV=5140.082 (NAVD88, U.S. SURVEY FEET)
G-G=0.999681940
MAPPING ANGLE= -0°16'38.12"

SEAL

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

NO.	DATE	DESCRIPTION	BY
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811
CALL NM ONE-CALL
SYSTEM SEVEN (7) DAYS
PRIOR TO ANY EXCAVATION

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 NOTES

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL

ZONE MAP NO. J-09-Z & K-09-Z
CITY PROJECT NO. 655779
SHEET NO. ESC - 002

\\US9240-PFFS01\SHARED_PROJECTS\193906697\6_DESIGN\1_CAD\ROADWAY PLANS\PLANSHEETS\C-202 ESC PLAN.DWG

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:

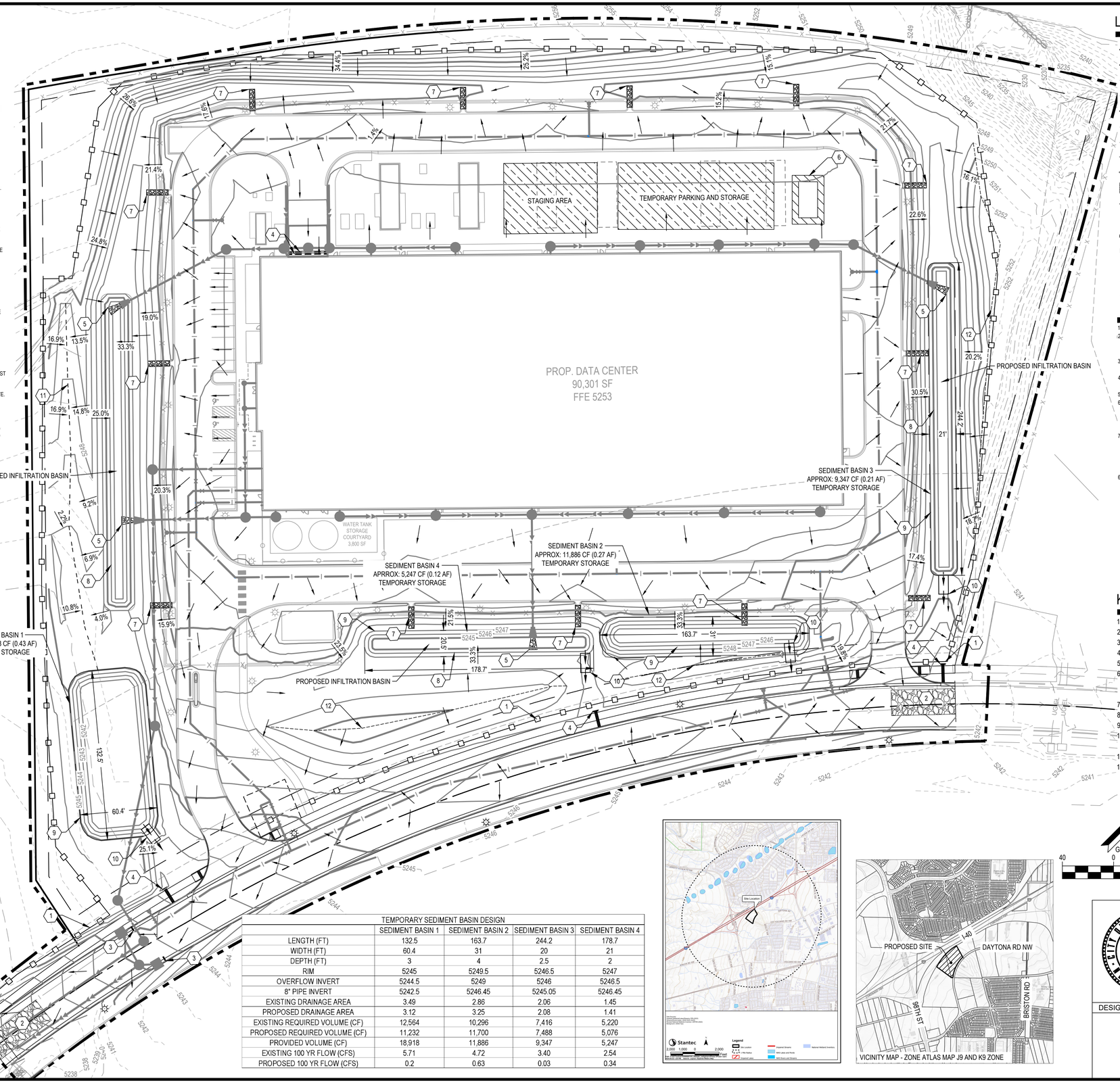
- REMOVE ACCUMULATED SEDIMENT TO MAINTAIN AT LEAST ONE-HALF OF THE DESIGN CAPACITY AND CONDUCT ALL OTHER APPROPRIATE MAINTENANCE TO ENSURE THE BASIN OR IMPOUNDMENT REMAINS IN EFFECTIVE OPERATING CONDITION
- REGULARLY CHECK SEDIMENT LEVELS WITHIN THE TEMPORARY DIVERSION SWALES. REMOVE EXCESS SEDIMENT 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
   - 4.4. SEDIMENT BASIN 4 - TO REMAIN IN PLACE AS A POST CONSTRUCTION SWQ POND



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

VICINITY MAP - ZONE ATLAS MAP J9 AND K9 ZONE

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.
6. EXISTING UTILITY SERVICE LINES MAY NOT BE SHOWN IN THEIR ENTIRETY ON PLANS. CONTRACTOR TO VERIFY LOCATIONS OF EXISTING UTILITY SERVICE LINES WITHIN THE LIMITS OF DISTURBANCE AND REMOVE EXISTING INFRASTRUCTURE AS NECESSARY TO INSTALL PROPOSED IMPROVEMENTS.
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.
8. SEDIMENT BASIN SIZING WAS BASED ON 3,600 CF LIVE STORAGE PER ACRE OF THE BASINS' DRAINAGE AREA.
   - 6.1. SEE THE TABLE IN THE TOP LEFT CORNER FOR SEDIMENT BASIN DESIGN REQUIREMENTS
   - 6.2. TEMPORARY BASINS SHALL DISCHARGE TO THE EXISTING DRAINAGE DITCH USING OUTLET. SEE DETAILS.
   - 6.3. CONTRACTOR MAY MODIFY LOCATION, SIZE, AND DISCHARGE OF TEMPORARY SEDIMENT BASIN AND DIVERSION DITCHES AS SITE CONDITIONS DICTATE DURING CONSTRUCTION. SEDIMENT BASIN AND DIVERSION DITCHES ARE SHOWN GENERALLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE A QUALIFIED INDIVIDUAL MUST COMPLETE ALL CHANGES TO THE SWPPP AND BASIN / DITCH PLACEMENT AND SIZING. TEMPORARY BMP'S MUST MEET THE REQUIREMENTS OF THE CONSTRUCTION GENERAL PERMIT AT ALL TIMES.
   - 6.4. 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
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

CONSULTANTS

Stantec

BENCH MARKS

ACS MONUMENT "7-K9"
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MAPPING ANGLE= -0°16'38.12"

SEAL

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

NO.	DATE	DESCRIPTION	BY
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DESIGNED BY: HKK
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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
SHEET NO. ESC - 003

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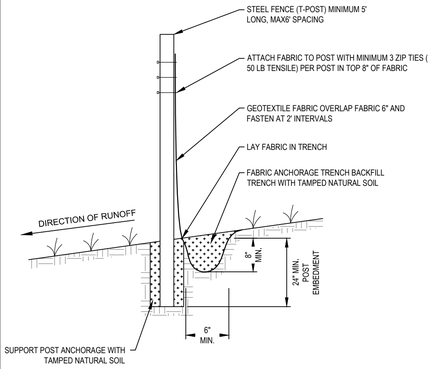
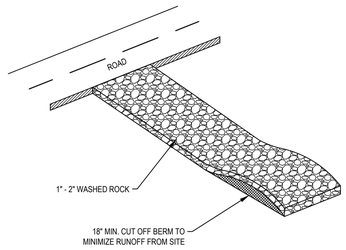


SECTION

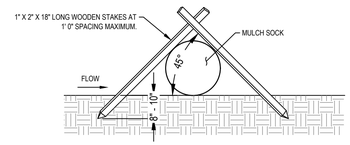
1 / 004 SILT FENCE MACHINE SLICED
NOT TO SCALE



ISOMETRIC

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

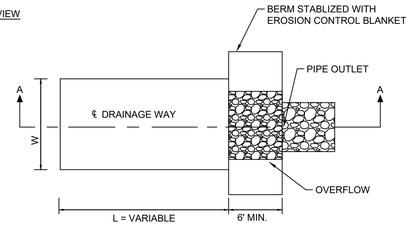


SECTION

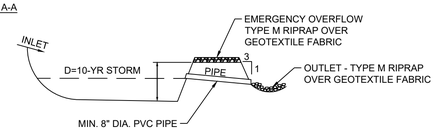
NOTE: IF PLACED ON PAVED SURFACE, DO NOT STAKE INTO SURFACE. CONTRACTOR SHALL ENSURE MULCH SOCK IS PROPERLY FUNCTIONING AT LEAST DAILY AND AS REQUIRED BY THE SWPPP/NPDES PERMIT, IF APPLICABLE.

3 / 004 MULCH SOCK
NOT TO SCALE

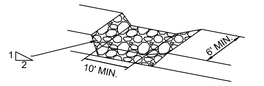
I. PLAN VIEW



II. SECTION A-A

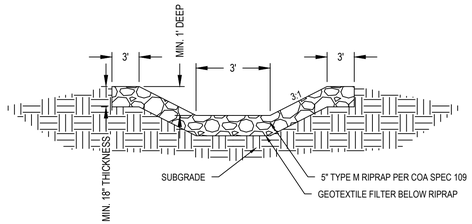


III. BASIN EMERGENCY OVERFLOW

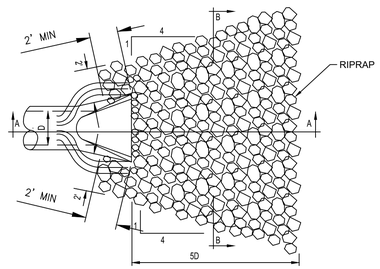


NOTES:
1. BASIN USED FOR 10 ACRES DRAINAGE AREA OR MORE.
2. DESIGN RUNOFF VOLUME IS FROM A 2-YR, 24-HR STORM PER ACRE DRAINED TO THE BASIN. BASIN VOLUME MUST BE A MIN. OF 3600 CUBIC FEET/ACRE.
3. SEE PLANS/SPECIFICATIONS FOR BASIN DIMENSIONS AND PIPE SIZE AND SLOPE.

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



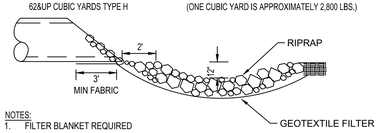
5 / 004 RIPRAP SWALE OUTLET AT CURB CUT CROSS SECTION
NOT TO SCALE



PLAN

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.)



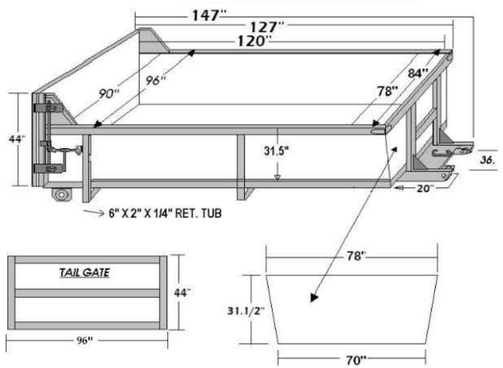
SECTION A–A

SECTION B–B

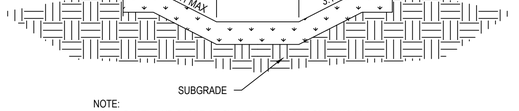
NOTES:
1. FILTER BLANKET REQUIRED UNDER RIPRAP OR 2 LAYERS OF 500X MIRAFI FABRIC OR EQUAL.
2. ONLY GRANITE RIPRAP TO BE USED AT OUTLETS.
3. GRADE A SWALE ADJACENT TO BOTH SIDES OF PIPE TO DIRECT WATER AWAY FROM FES.

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

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

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