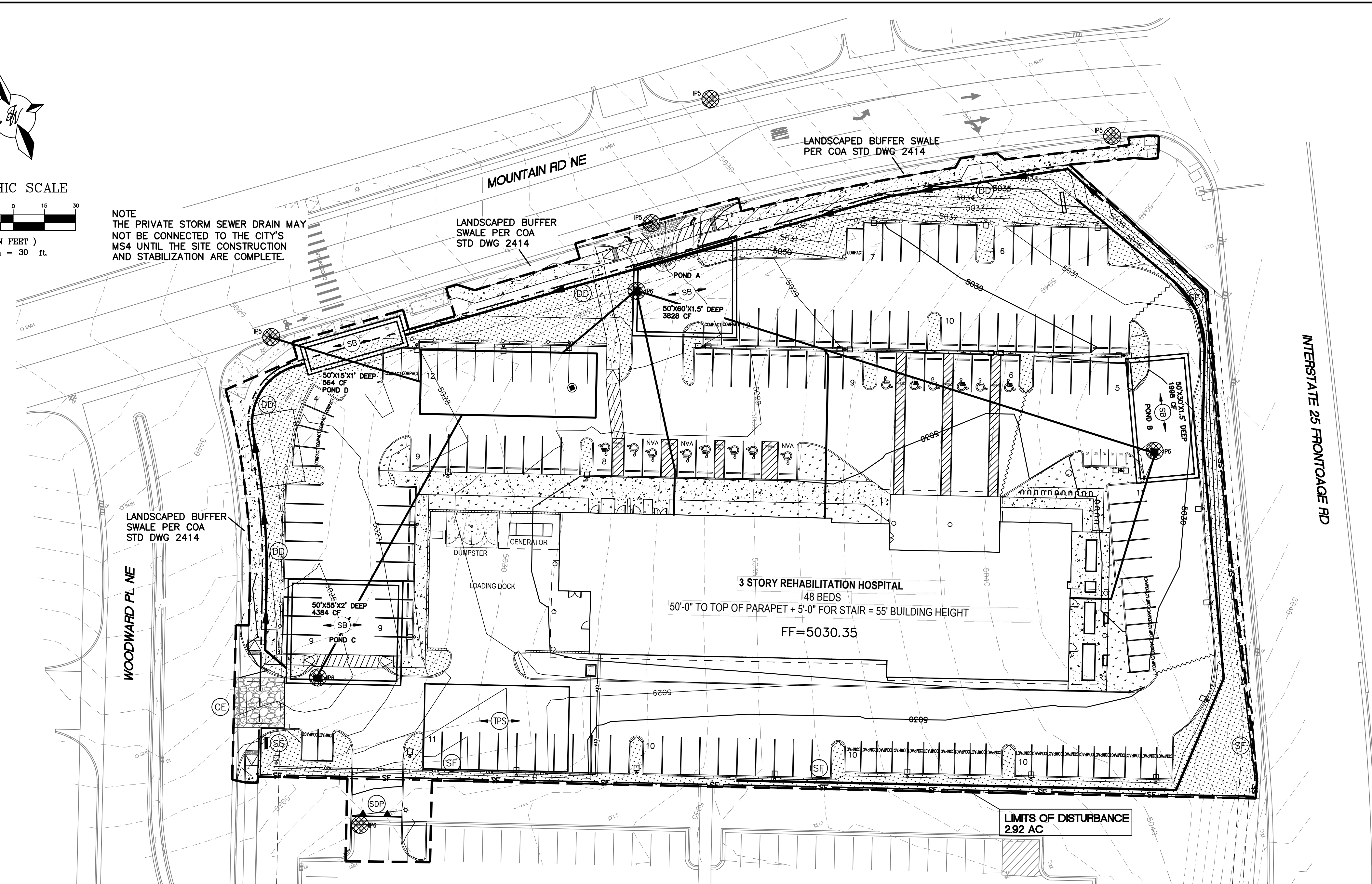
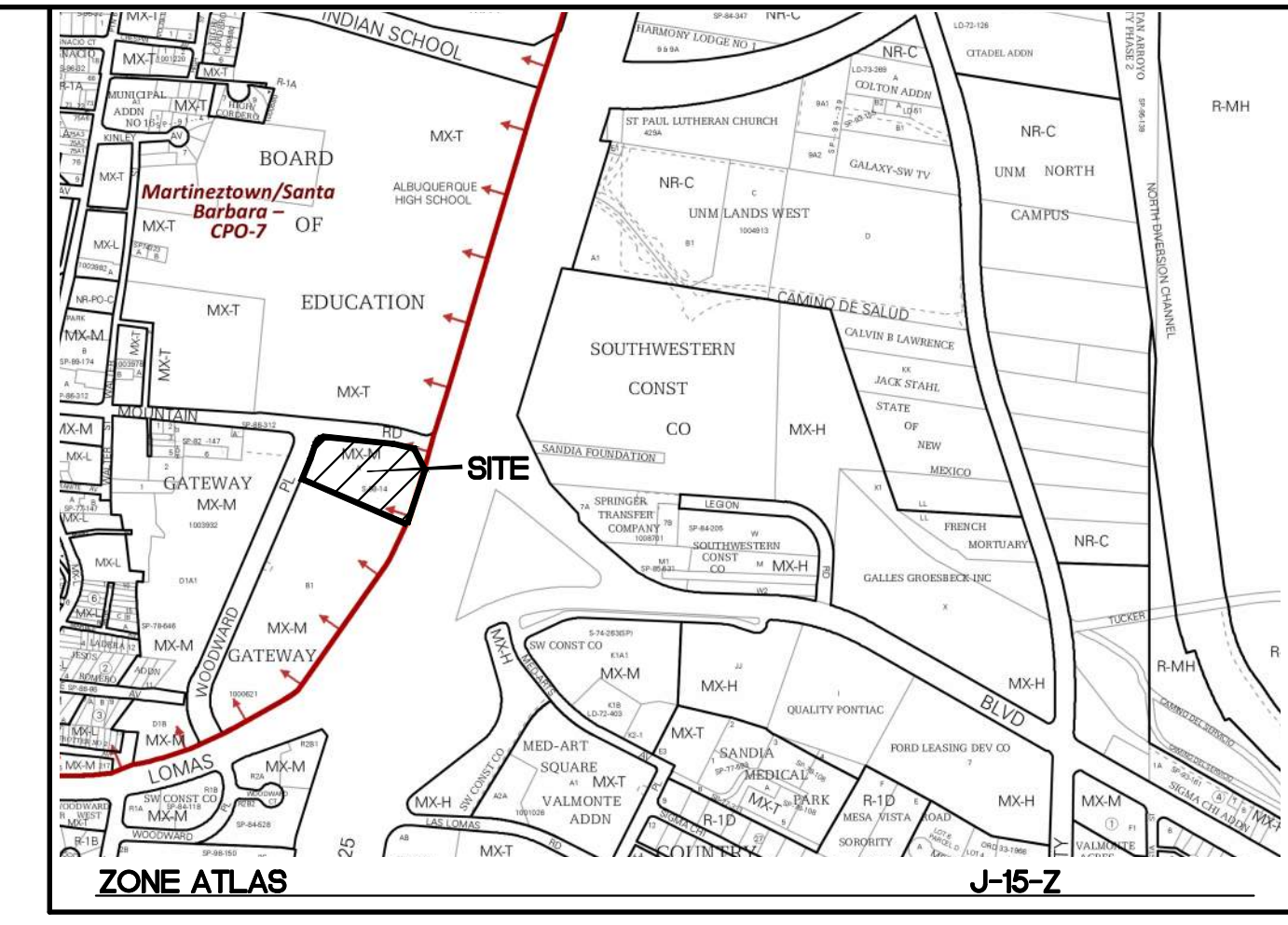


NOTE
 THE PRIVATE STORM SEWER DRAIN MAY
 NOT BE CONNECTED TO THE CITY'S
 MS4 UNTIL THE SITE CONSTRUCTION
 AND STABILIZATION ARE COMPLETE.



- EROSION NOTES**
- (TPS) TPS TEMPORARY PARKING AND STORAGE
 - LIMITS OF DISTURBANCE
 - SB TEMPORARY SEDIMENT BASIN
- EROSION DETAILS**
- CE TEMPORARY STONE CONSTRUCTION EXIT
 - SF TEMPORARY SILT FENCE
 - SS SWPPP SIGN
 - SF SILT FENCE
 - CE CONSTRUCTION EXIT
 - DD TEMPORARY DIVERSION DIKE
 - SDP SILT DIKE ON PAVEMENT

POND	DRAINAGE AREA	SEDIMENT CALC
A	1.03 AC	1.03*3600 CU FT/AC=3708 CUBIC FEET
B	0.48 AC	0.14*3600 CU FT/AC=1728 CUBIC FEET
C	1.11 AC	1.11*3600 CU FT/AC=3996 CUBIC FEET
D	0.13 AC	0.13*3600 CU FT/AC=468 CUBIC FEET



- 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.
 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 MEDICAL OFFICE BUILDING
 10. FINISH GRADING THE SITE
 11. PAVE COMMON 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 _____

SWPPP PURPOSE

THE PURPOSE OF THIS SWPPP IS TO APPLY SWPPP CONTROLS THAT ARE REQUIRED DURING DEVELOPMENT OF SITE AND PUBLIC RIGHT OF WAYS.

CAUTION

ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS-BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS, PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.

	NOBIS REHAB HOSPITAL 1100 WOODWARD PL.	DRAWN BY pm
	EROSION CONTROL PLAN	DATE 2-9-26
		DRAWING
ENGINEER'S SEAL RONALD R. BOHANNAN P.E. #7868		SHEET # SW-1
		JOB # 2023123

NATURE AND EXTENT OF CONSTRUCTION ACTIVITIES:

NATURE OF CONSTRUCTION ACTIVITIES: MASS ROUGH GRADING OF THE SITE, INSTALLATION OF UTILITIES (WATER AND SANITARY SEWER) AND PAVING OF INTERNAL DRIVE AISLES, PARKING AND SIDEWALKS, BUILDING CONSTRUCTION AND LANDSCAPING AND OFFSITE IMPROVEMENTS.

PROPERTY SIZE: 2.7454 ACRES

DISTURBED AREA SIZE: 2.92 ACRES

MAXIMUM DISTURBED AREA SIZE: 2.92 ACRES

PROJECT SCHEDULE: SCHEDULE LENGTHS ARE TBD, SEE SEQUENCE OF CONSTRUCTION THIS SHEET SW-1 FOR SCHEDULE TASKS DESCRIPTION.

CONSTRUCTION PHASE: THE FIRST PHASE OF CONSTRUCTION, CONSISTS OF BUILDING CONSTRUCTION, TRENCHING AND INSTALLING UTILITIES FOR SERVICE AND PAVING OF PARKING AND DRIVEWAYS TO THE PROPERTY.

BMP MAINTENANCE

ALL MEASURES STATED IN THIS EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION 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:


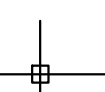
1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED, IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION. SEDIMENT SHALL BE REMOVED TO INSURE PROPER FLOWS. INLET PROTECTION TYPES MAY NEED TO BE MODIFIED DURING THE CONSTRUCTION PROGRESS.
2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY 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 CONTROLS SHALL BE REPLACED OR REPAIRED TO PROPER FUNCTIONING CONDITION, IF DAMAGED. SEDIMENT AND SOIL SHALL BE REMOVED WHEN REACHES ONE-HALF THE HEIGHT OF THE CONTROL.
4. THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF SEDIMENT ONTO 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.
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%.
6. REFERENCE THE SWPPP BOOK FOR ALL EROSION CONTROL MAINTENANCE PROCEDURES AND FREQUENCIES. CONSULT THE SWPPP PREPARER WITH ANY QUESTIONS REGARDING THIS SWPPP AND ITS REQUIREMENTS.

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 SITE DURING CONSTRUCTION.
3. THE OPERATOR WITH CONTROL OF THE DAILY SITES ACTIVITIES 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 DAYS WHEN AREA BECOMES INACTIVE OR EARTH DISTURBING ACTIVITIES ARE COMPLETE. SITE EARTH DISTURBANCES OF LESS THAN 5 ACRES, HAVE 14 DAYS TO PROVIDE TEMPORARY OR PERMANENT STABILIZATION WHEN AREA BECOMES INACTIVE OR EARTH DISTURBING ACTIVITIES ARE COMPLETE.

ESC PLAN STANDARD NOTES (02/02/26)

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 § 14-5-6-6, THE ESC ORDINANCE,
 - b. THE EPA'S 2022 CONSTRUCTION GENERAL PERMIT (CGP),
 - c. THE CITY OF ALBUQUERQUE CONSTRUCTION BMP MANUAL AND DETAILS.
 2. ALL BMPS MUST BE INSTALLED BEFORE BEGINNING ANY EARTH-MOVING ACTIVITIES EXCEPT AS SPECIFIED IN THE PHASING PLAN. CONSTRUCTION OF EARTHEN BMPS 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 BEFORE CONSTRUCTION BEGINS.
 3. SELF-INSPECTIONS - IN ACCORDANCE WITH CITY ORDINANCE § 14-5-6-6(C)(1), "AT A MINIMUM, A ROUTINE 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. FINAL STABILIZATION AND NOTICE OF TERMINATION (NOT) - IN ACCORDANCE WITH CITY ORDINANCE § 14-5-6-6(C)(2), 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 WORKING IN THE PUBLIC RIGHT-OF-WAY (E.G., SIDEWALK, DRIVE PADS, UTILITIES, ETC.), PREVENT DIRT FROM ENTERING THE STREET. IF DIRT IS ON THE STREET, IT SHOULD BE SWEEP DAILY AND BEFORE A RAIN 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 SWEEP AFTER THE WORK IS COMPLETE. A COMPOST FILTER SOCK MAY BE PLACED AT THE TOE OF THE EXCAVATED DIRT PILE IF SITE CONSTRAINTS DO NOT ALLOW PLACING THE EXCAVATED DIRT ON THE UPHILL SIDE OF THE STREET CUT.
 9. STORMWATER CONTROLS MUST BE DESIGNED IN ACCORDANCE WITH GOOD ENGINEERING PRACTICES BY A QUALIFIED NPPE OR CPESC ACCORDING TO CGP 9.6.1.C. THE CERTIFICATION OF THE PROFESSIONAL RESPONSIBLE FOR THE DESIGN MUST BE SIGNED AND DATED ON THE EROSION AND SEDIMENT CONTROL (ESC) PLAN MAINTAINED IN THE SWPPP AND AVAILABLE ONSITE. MAJOR CHANGES TO THE ESC PLAN AFTER CITY APPROVAL MUST BE RECERTIFIED BY THE PROFESSIONAL AND RESUBMITTED TO THE CITY FOR APPROVAL BEFORE MODIFYING THE STORMWATER CONTROLS. THE OPERATOR(S) MUST IMPLEMENT AND MAINTAIN BMPS IN THE MANNER SPECIFIED ON THE APPROVED ESC PLAN.
 10. IF ANY PART OF THE PROPERTY IS SOLD TO A NEW OWNER OR LEASED TO A NEW TENANT BEFORE CONSTRUCTION IS FINISHED, THE NEW OWNER OR TENANT MUST SUBMIT A NEW ESC PLAN AND NOI TO THE CITY FOR APPROVAL 14 DAYS PRIOR TO THE TRANSFER OF PROPERTY RIGHTS, IN ACCORDANCE WITH CITY ORDINANCE § 14-5-6-6(A). IF NEW LAND-DISTURBING ACTIVITIES ARE ADDED, THE PROPERTY OWNER MUST SUBMIT A REVISED ESC PLAN TO THE CITY FOR APPROVAL 14 DAYS BEFORE BEGINNING CONSTRUCTION IN THE NEW AREAS.
 11. OFF-SITE CONSTRUCTION SUPPORT ACTIVITIES MUST BE SHOWN ON THE ESC PLAN WITH STORMWATER CONTROLS DESIGNED BY A PROFESSIONAL AND APPROVED BY ALBUQUERQUE'S STORMWATER QUALITY (SWQ) SECTION. THE OFFSITE PROPERTY OWNER'S NOI MUST ALSO BE SUBMITTED TO THE CITY FOR APPROVAL. THE DEVELOPER MUST STABILIZE OFF-SITE PROPERTY DISTURBED BY CONSTRUCTION ACTIVITIES ASSOCIATED WITH HIS DEVELOPMENT USING "NATIVE SEED AND AGGREGATE MULCH PER COA STD 1012" OR AN EQUIVALENT, IN COMPLIANCE WITH THE FINAL STABILIZATION CRITERIA IN CGP 2.2.14.C AND AS APPROVED BY THE OFF-SITE PROPERTY OWNER.
- A. FROM MAY 1 THROUGH OCTOBER 31, ANY GRADING WITHIN OR ADJACENT TO A FACILITY THAT CONVEYS A 100-YEAR FLOW RATE OF 50 CFS OR RECEIVES A 100-YEAR 24-HOUR VOLUME OF 2.0 ACRE-FEET OR MORE MUST PROVIDE STORMWATER CONTROL, EROSION CONTROL, AND SAFE PASSAGE OF THE 10-YEAR DESIGN STORM RUNOFF DURING CONSTRUCTION. THE ESC PLAN MUST INCLUDE DESIGN CALCULATIONS AND CONSTRUCTION SPECIFICATIONS WITH AN ENGINEER'S STAMP FOR TEMPORARY FACILITIES THAT ENSURE SAFE, NON-EROSIVE PASSAGE OF THE 10-YEAR STORM TO PREVENT SEDIMENT DISCHARGE INTO THE CITY'S MS4, IN ACCORDANCE WITH CITY ORDINANCE § 14-5-2-12(B)(3). THE ESC PLAN, INCLUDING THIS INFORMATION, MUST BE SUBMITTED TO THE SWQ SECTION OF THE PLANNING DEPARTMENT OF THE CITY OF ALBUQUERQUE FOR APPROVAL AT LEAST 14 DAYS PRIOR TO ANY LAND DISTURBANCE OR CONSTRUCTION ACTIVITIES IN OR NEXT TO THE FACILITY DURING THE RESTRICTED PERIOD.

 <p>2-9-26</p> <p>RONALD R. BOHANNAN P.E. #7868</p>	<p>ENGINEER'S SEAL</p> <p>NOBIS REHAB HOSPITAL 1100 WOODWARD PL.</p>	<p>DRAWN BY pm</p>
	<p>EROSION CONTROL NOTES</p>	<p>DATE 2-9-26</p>
	<p> TIERRA WEST, LLC 5571 MIDWAY PARK PL. NE ALBUQUERQUE, NEW MEXICO 87109 (505) 858-3100 www.tierrawestllc.com</p>	<p>DRAWING</p>
	<p>SHEET # SW-2</p>	<p>JOB # 2023123</p>

SILT FENCES

1. DESCRIPTION & PURPOSE:

STORMWATER SILT FENCES (SWSF) ARE TEMPORARY SEDIMENT BARRIERS MADE OF POROUS FABRIC HELD UP BY WOODEN OR METAL POSTS DRIVEN INTO THE GROUND. THEY ARE INEXPENSIVE AND RELATIVELY EASY TO REMOVE. THE FABRIC PONDS STORMWATER RUNOFF, CAUSING SEDIMENT TO BE RETAINED BY THE SETTLING PROCESSES. IT ALSO KNOCKS DOWN WIND-DRIVEN SAND. IT KEEPS SOIL OUT OF CITY STREETS, THUS PREVENTING CLOGGED STORM DRAINS AND THE DEGRADATION OF AQUATIC HABITATS.

2. PRIMARY USE:

STORMWATER SILT FENCE (SWSF) IS PRIMARILY FOR STORMWATER CONTROL, BUT DUST CONTROL MAY BE A SECONDARY BENEFIT. SEE SEPARATE DUST CONTROL SILT FENCE (DCSF) FOR SILT FENCE USED PRIMARILY FOR FUGITIVE DUST CONTROL. BOTH TYPES OF SILT FENCE MAY BE SHOWN ON A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) MAP AND/OR AN EROSION AND SEDIMENT CONTROL (ESC) PLAN WITH CLEAR DIFFERENTIATION BETWEEN THE TWO.

STORMWATER SILT FENCE IS UNSUITABLE TO CONTROL STORMWATER AT CONCENTRATED DISCHARGE POINTS, LARGE DRAINAGE AREAS, OR WHERE THE SILT FENCE ISN'T ON CONTOUR. WHERE SILT FENCES ARE UNSUITABLE, A SEPARATE STORMWATER CONTROL IS REQUIRED, SUCH AS A BERM OR A POND, IN ADDITION TO DUST CONTROL SILT FENCE. DUST CONTROL SILT FENCES ARE STILL NEEDED TO CONTROL WIND EROSION ON TOP OF OTHER STORMWATER CONTROLS, SUCH AS BERMS AND PONDS, AT THE DOWNSTREAM PERIMETER OF CONSTRUCTION SITES.

STORMWATER SILT FENCE IS USED AS A PERIMETER STORMWATER CONTROL WHEN INSTALLED DOWNSLOPE FROM EXPOSED SOIL PER PART 2.2.3 OF THE EPA'S CONSTRUCTION GENERAL PERMIT (CGP), AND AS AN AIR QUALITY CONTROL AROUND THE REST OF THE PERIMETER IN SUPPORT OF CGP PART 2.2.6 AND THE ALBUQUERQUE-BERNALILLO COUNTY AIR QUALITY PROGRAM.

3. STORMWATER QUALITY DESIGN SPECIFICATIONS:

A. SILT FENCE IS FOR SHEET FLOW ONLY, NEVER FOR CONCENTRATED STORMWATER. STORMWATER SILT FENCE ISN'T ALLOWED AS THE STORMWATER CONTROL AT CONCENTRATED DISCHARGE POINTS. OTHER STORMWATER CONTROLS, SUCH AS PONDS AND BERMS, ARE REQUIRED AT DISCHARGE POINTS. ALTERNATIVELY, SILT FENCES MAY BE USED ALONG THE SIDES OF STABILIZED CONCENTRATED FLOW PATHS THROUGH CONSTRUCTION SITES TO REMOVE SEDIMENT FROM THE STORMWATER BEFORE IT ENTERS THE STABILIZED CONCENTRATED FLOW PATH.

B. THE DRAINAGE AREA IS LIMITED TO 25,000 SF PER 100 FT OF FENCE OR COMBINED WITH A SEDIMENT BASIN ON A LARGER SITE.

C. THE MAXIMUM SLOPE DISTANCE ABOVE THE FENCE IS FURTHER LIMITED BY THE SLOPE STEEPNESS, AS SHOWN IN THE TABLE BELOW.

LAND SLOPE (%)	MAXIMUM SLOPE DISTANCE ABOVE FENCE (FT)
2	250
5	180
10	100
20	50
30	30

D. STORMWATER SILT FENCES MUST BE CONSTRUCTED ON CONTOUR, LEVEL ACROSS THE BOTTOM, WITH THE ENDS TURNED UPHILL AS NECESSARY TO PREVENT FLANKING. A SILT FENCE ALONE SHOULDN'T BE USED AS A DIVERSION. AN AIR QUALITY SILT FENCE MAY BE USED IN CONJUNCTION WITH A DIVERSION BERM OR SWALE ALONG A SLOPING PERIMETER ON THE DOWNHILL SIDE OF CONSTRUCTION SITES.

E. LIMIT THE LENGTH OF ANY SINGLE RUN OF SILT FENCE TO 500 FT. AND IT MUST BE PLACED ALONG A LEVEL CONTOUR.

F. DO NOT USE SILT FENCES TO DIVERT FLOW.

4. SELECT STANDARD STRENGTH OR EXTRA STRENGTH SILT FENCE MATERIAL

A. STANDARD STRENGTH SILT FENCE IS APPROPRIATE IF THE SLOPE OF AREA DRAINING TO FENCE IS 4:1 (H:V) OR LESS AND THE DRAINAGE AREA PRODUCES LOW SEDIMENT LOADS. THE EXPECTED LONGEVITY IS GENERALLY LIMITED TO LESS THAN FIVE MONTHS.

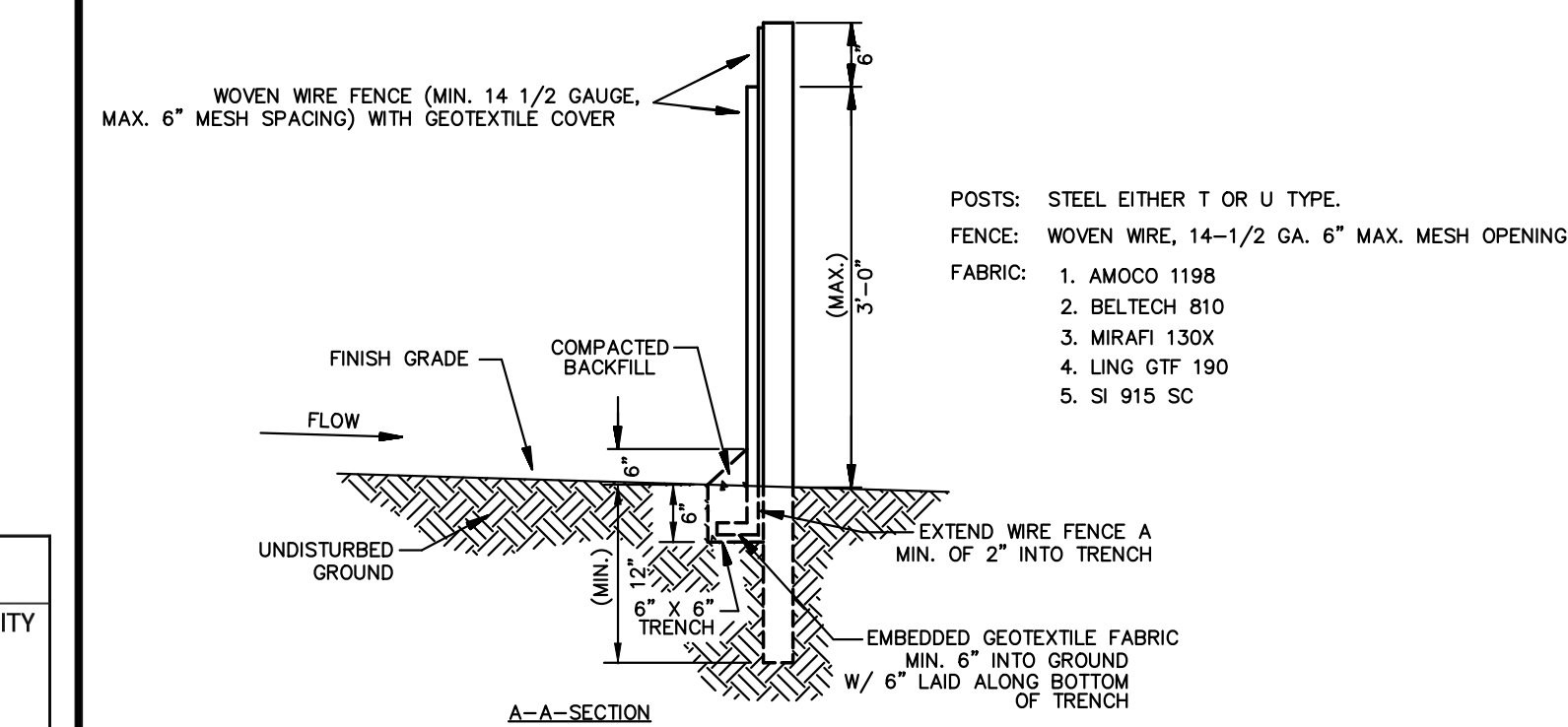
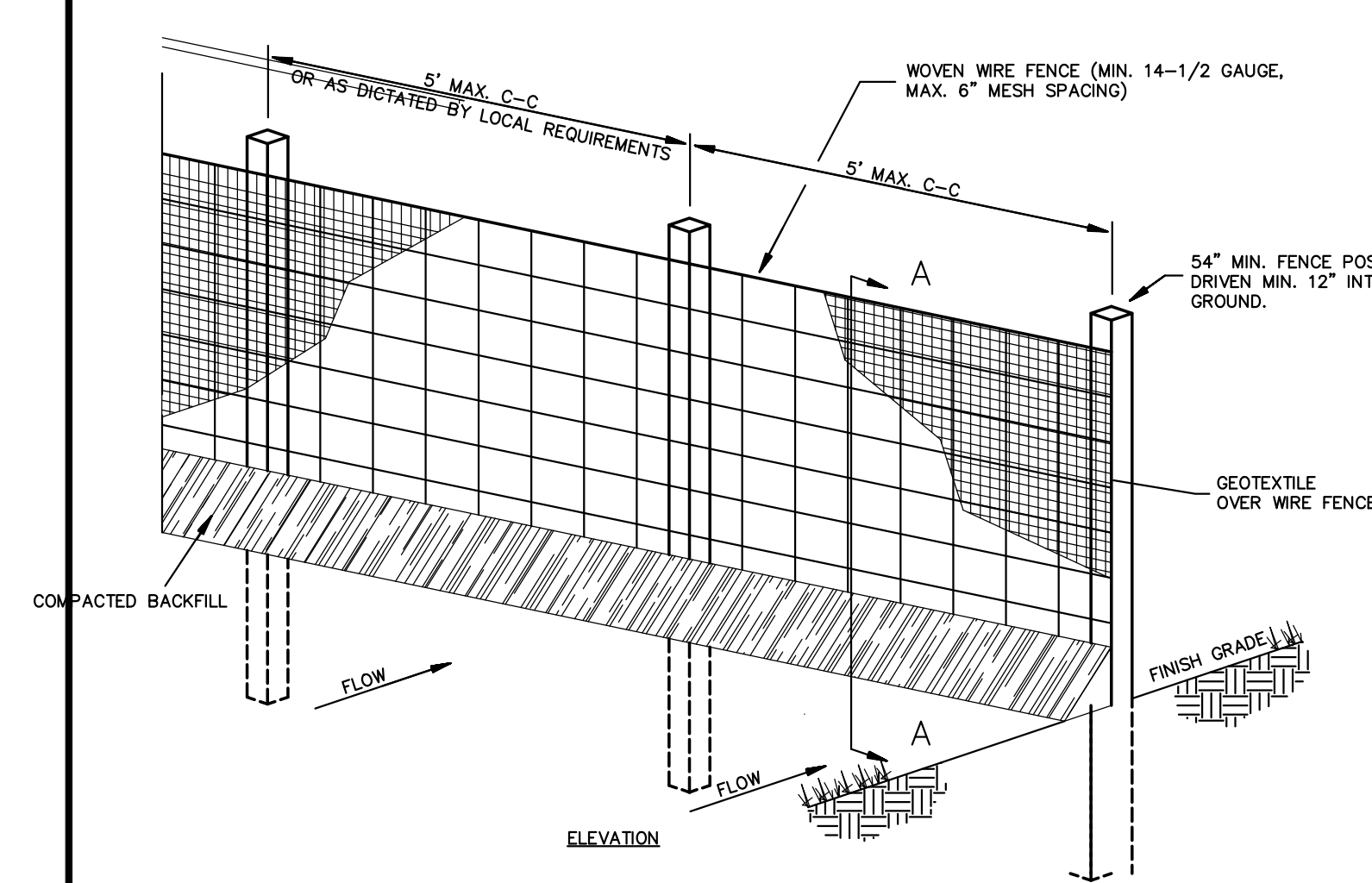
B. EXTRA STRENGTH SILT FENCE IS APPROPRIATE IF THE SLOPE OF AREA DRAINING TO FENCE IS 1:1 (H:V) OR LESS AND AREA DRAINING TO FENCE PRODUCES MODERATE SEDIMENT LOADS. EXPECTED LONGEVITY IS GENERALLY LIMITED TO EIGHT MONTHS. LONGER PERIODS MAY REQUIRE FABRIC REPLACEMENT.

HEAVY-DUTY FENCE FABRIC HAS GREATER TENSILE STRENGTH AND PERMEABILITY THAN OTHER FABRIC TYPES. THE POSTS MAY BE SPACED CLOSER TOGETHER THAN OTHER PREMANUFACTURED SILT FENCE TYPES AVAILABLE FROM THE MANUFACTURER.

STORMWATER SILT FENCE MATERIAL	
PHYSICAL PROPERTY	REQUIREMENTS
TENSILE STRENGTH AT 20% (MAXIMUM)	STANDARD STRENGTH: 30 LB/IN (MINIMUM) EXTRA STRENGTH: 50 LB/IN (MINIMUM)
ELONGATION	90%
UV RESISTANT	90%
SLURRY FLOW RATE	0.3 GAL/MIN (MINIMUM)

REVISIONS	CITY OF ALBUQUERQUE
Draft 7/29/2025	CONSTRUCTION STORMWATER QUALITY STORMWATER SILT FENCE (SWSF)

SHEET 1 OF 2



1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES.
2. GEOTEXTILE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24\"/>

SEDIMENTATION/SILT FENCE WITH WIRE SUPPORT (SF)

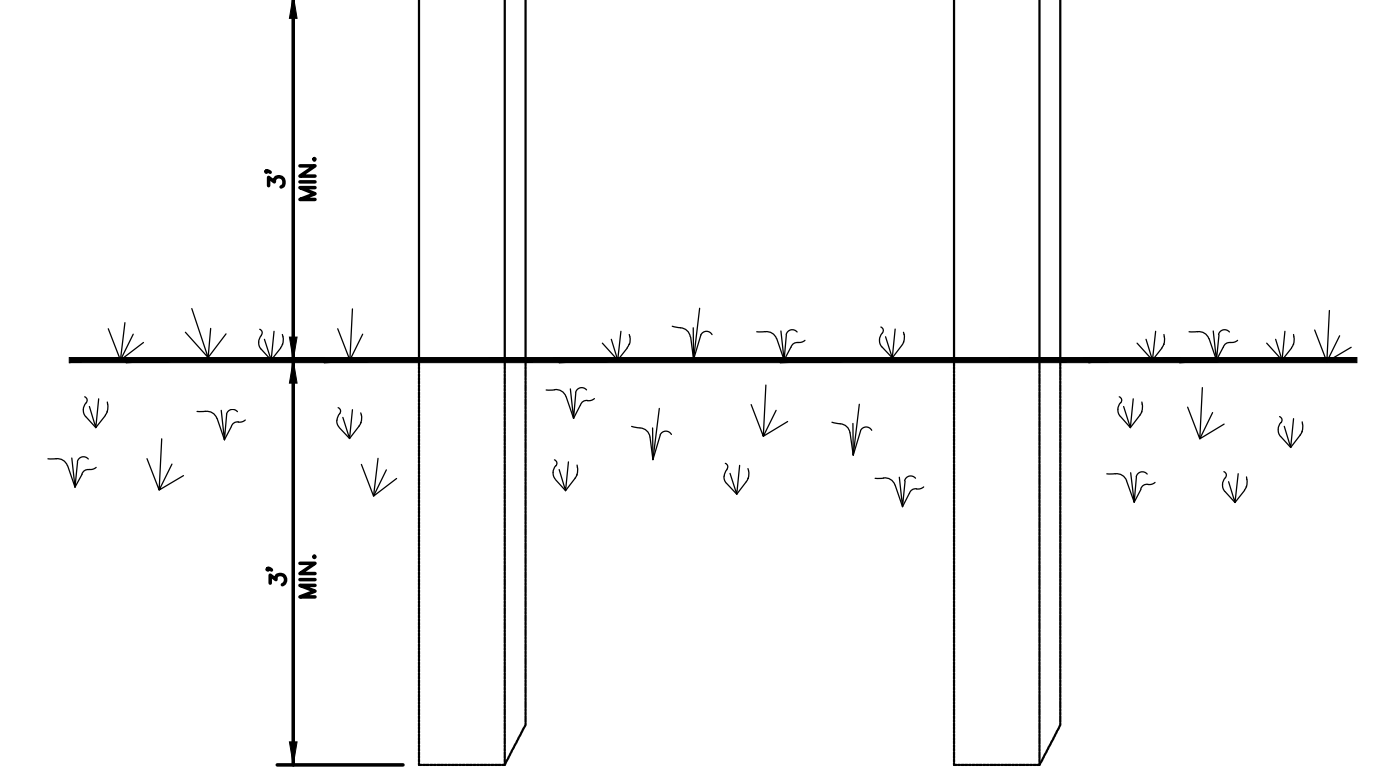
N.T.S.

"SWPPP INFORMATION" MUST BE DISPLAYED PROMINENTLY ACROSS THE TOP OF THE SIGN, AS SHOWN IN THE DETAIL.

SWPPP INFORMATION

NPDES ID: NMR1001MP & NMR1001B1
CONTACT/NUMBER: _____
"IF YOU WOULD LIKE TO OBTAIN A COPY OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR THIS SITE, CONTACT THE EPA REGION 6 OFFICE - SUZANNE PEREA AT (214) 665-7217"
"IF YOU OBSERVE INDICATORS OF STORMWATER POLLUTANTS IN THE DISCHARGE OR IN THE RECEIVING WATERBODY, CONTACT THE EPA THROUGH THE FOLLOWING WEBSITE: [HTTPS://EPA.GOV/ENFORCEMENT/REPORT-ENVIRONMENTAL-VOLATIONS.](https://epa.gov/enforcement/report-environmental-volations)"

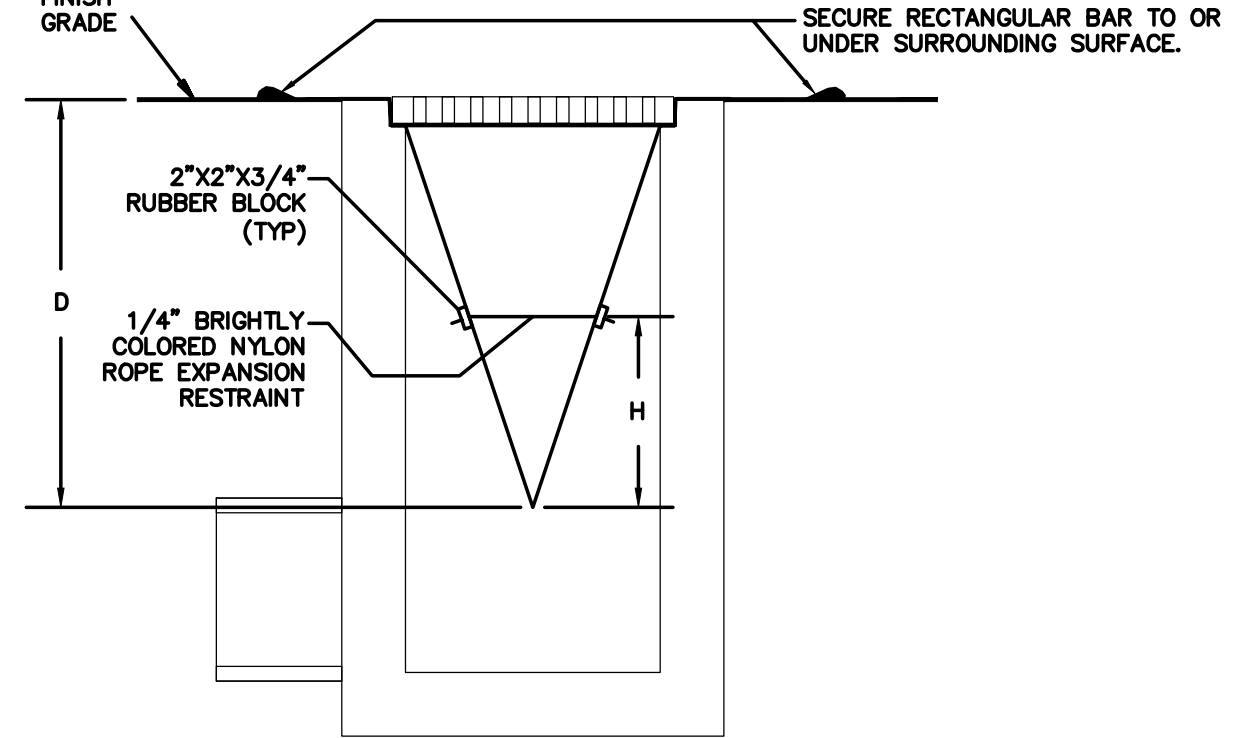
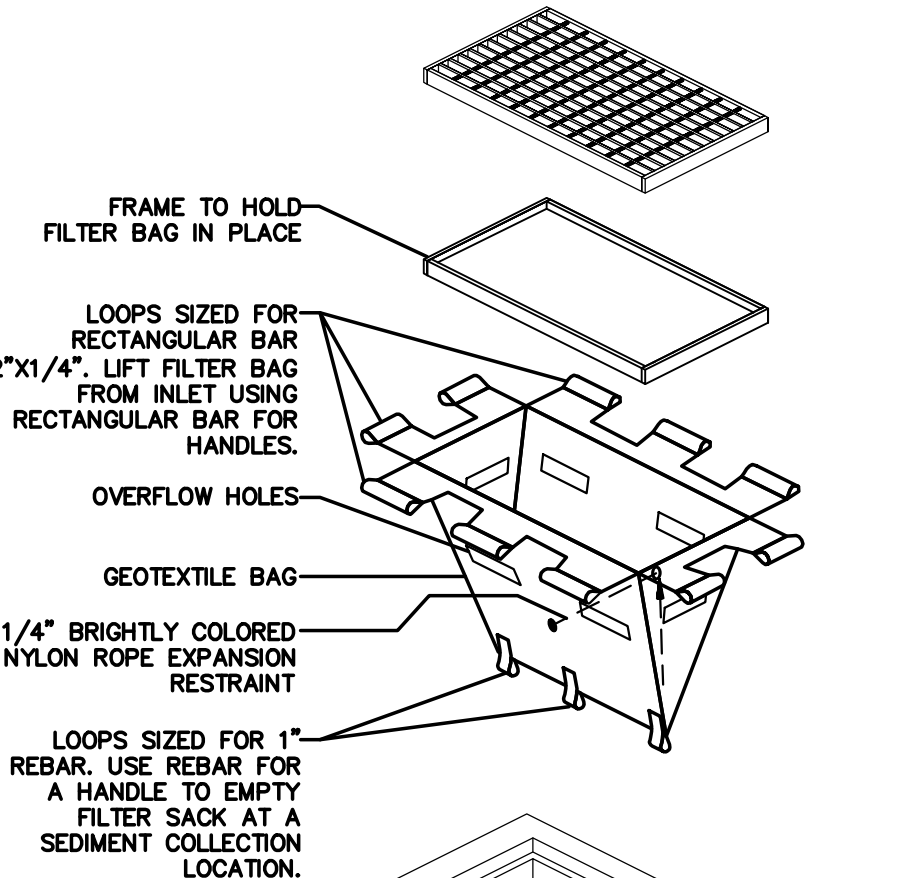
DETAILED DESCRIPTION OF THE LOCATION OF THE SWPPP DOCUMENTATION (BINDER AND SITE MAPS) ON THE SITE.



- NOTES:
- 1) THE SWPPP INFORMATION SIGN MUST BE LOCATED NEAR THE CONSTRUCTION EXIT OF THE SITE, SUCH THAT IT IS ACCESSIBLE AND VIEWABLE BY THE GENERAL PUBLIC, BUT NOT OBSTRUCTING VIEWS AS TO CAUSE A SAFETY HAZARD.
 - 2) ALL POSTED DOCUMENTS MUST BE MAINTAINED IN A CLEARLY READABLE CONDITION AT ALL TIMES THROUGHOUT CONSTRUCTION AND UNTIL THE NOTICE-OF-TERMINATION (NOT) IS FILED FOR THE PERMIT.
 - 3) CONTRACTOR SHALL POST OTHER STORM WATER AND/OR EROSION AND SEDIMENT CONTROL RELATED PERMITS ON THE SIGN AS REQUIRED BY THE GOVERNING AGENCY.
 - 4) SIGN SHALL BE LOCATED OUTSIDE OF PUBLIC RIGHT-OF-WAY AND EASEMENTS UNLESS APPROVED BY THE GOVERNING AGENCY.
 - 5) CONTRACTOR IS RESPONSIBLE FOR ENSURING STABILITY OF THE SWPPP INFORMATION SIGN.

SWPPP INFORMATION SIGN (SS)

N.T.S.



- NOTES:
1. GEOTEXTILE SHALL BE A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS REQUIREMENTS IN THE SPECIFICATIONS TABLE.
 2. PLACE AN OIL ABSORBENT PAD OR PILLOW OVER INLET GRATE WHEN OIL SPILLS ARE A CONCERN.
 3. THE WIDTH, "W", OF THE FILTER SACK SHALL MATCH THE INSIDE WIDTH OF THE GRATED INLET BOX.
 4. THE DEPTH, "D", OF THE FILTER SACK SHALL BE BETWEEN 18 INCHES AND 36 INCHES.
 5. THE LENGTH, "L", OF THE FILTER SACK SHALL MATCH THE INSIDE LENGTH OF THE GRATED INLET BOX.

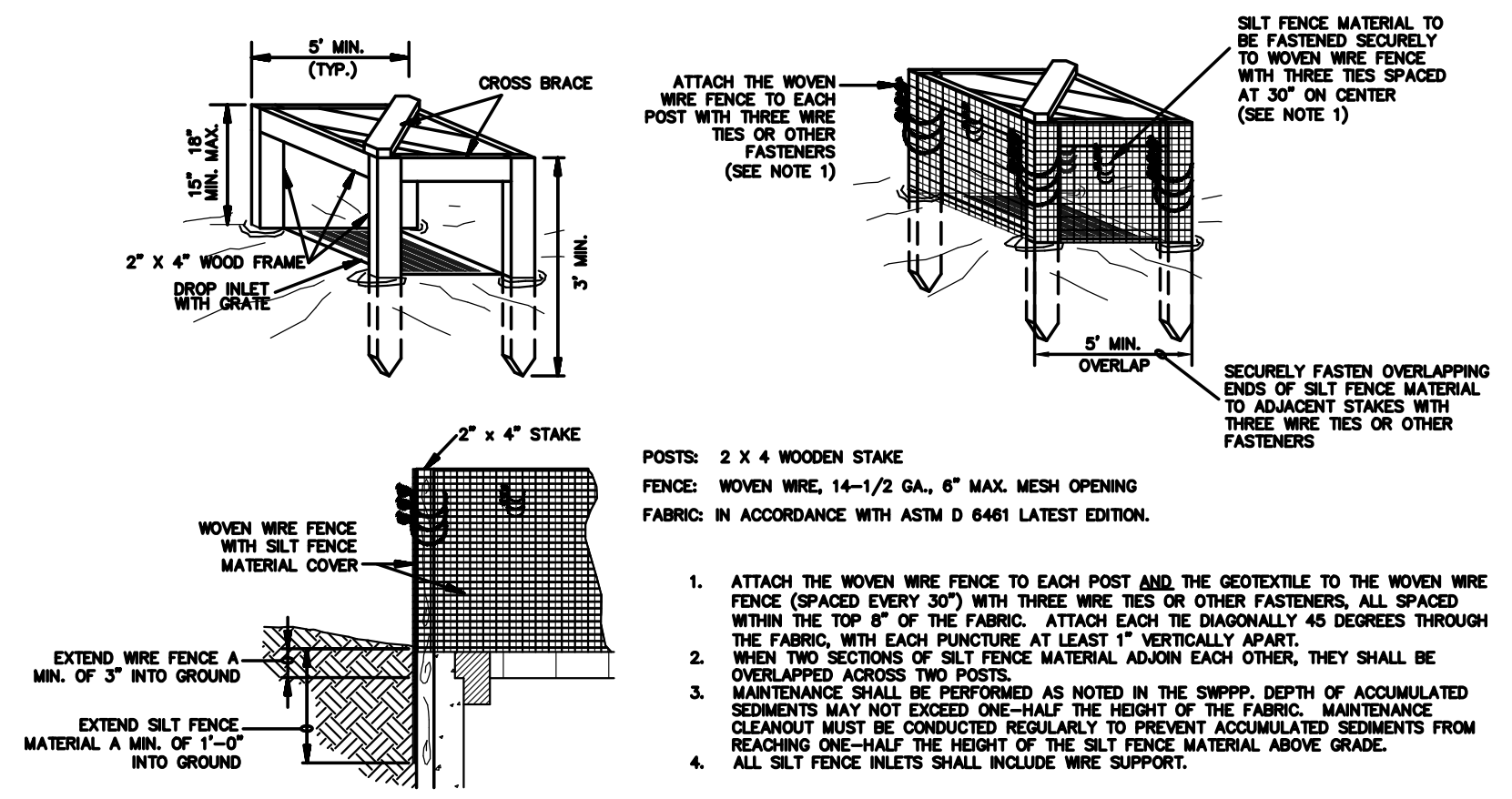
- MAINTENANCE NOTES:
1. INLET PROTECTION DEVICES MUST BE INSPECTED FOR SEDIMENT ACCUMULATION WITHIN THE CATCH BASIN. REMOVE TRAPPED SEDIMENT WHEN BRIGHTLY COLORED EXPANSION RESTRAINT CAN NO LONGER BE SEEN.
 2. REMOVAL OF SEDIMENT ACCUMULATED IN OR ADJACENT TO A STORM DRAIN INLET MUST BEGIN IMMEDIATELY UPON DISCOVERY, WITH COMPLETION OF THE ACTIVITY OCCURRING NO LATER THAN THE END OF THE FOLLOWING BUSINESS DAY.
 3. INLET PROTECTION DEVICES SHALL BE INSPECTED FOR UNINTENDED BYPASS OR IMPROPER FLOW-RATES THAT MAY CAUSE DOWNSTREAM FLOODING.
 4. CONTACT THE CEC FOR ALTERNATE INLET PROTECTION IF THE DESIGNED PROTECTION MAY IMPACT DOWNSTREAM BMPS, ADJACENT SLOPES, ETC., DUE TO PONDING ISSUES. ENSURE THAT NO UNDERMINING OF INLET PROTECTION DEVICES HAS OCCURRED.
 5. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.

LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	300 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20 %
PUNCTURE	ASTM D-4833	120 LBS
MULLEN BURST	ASTM D-3786	800 PSI
TRAPEZOID TEAR	ASTM D-4533	120 LBS
UV RESISTANCE	ASTM D-4355	80 %
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4491	40 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	0.55 SEC -1

MODERATE TO HIGH FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	265 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20 %
PUNCTURE	ASTM D-4833	135 LBS
MULLEN BURST	ASTM D-3786	420 PSI
TRAPEZOID TEAR	ASTM D-4533	45 LBS
UV RESISTANCE	ASTM D-4355	90 %
APPARENT OPENING SIZE	ASTM D-4751	20 US SIEVE
FLOW RATE	ASTM D-4491	200 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	1.5 SEC -1

(IP5) INLET PROTECTION FILTER SACK

N.T.S.



SILT FENCE INLET PROTECTION (IP6)

N.T.S.

ENGINEER'S SEAL
RONALD R. BOHANNAN
NEW MEXICO
PROFESSIONAL ENGINEER
7868
2-9-26
RONALD R. BOHANNAN
P.E. #7868

NOBIS REHAB HOSPITAL
1100 WOODWARD PL.
EROSION CONTROL
DETAILS
TIERRA WEST, LLC
5571 MIDWAY PARK PL. NE
ALBUQUERQUE, NEW MEXICO 87109
(505) 858-3100
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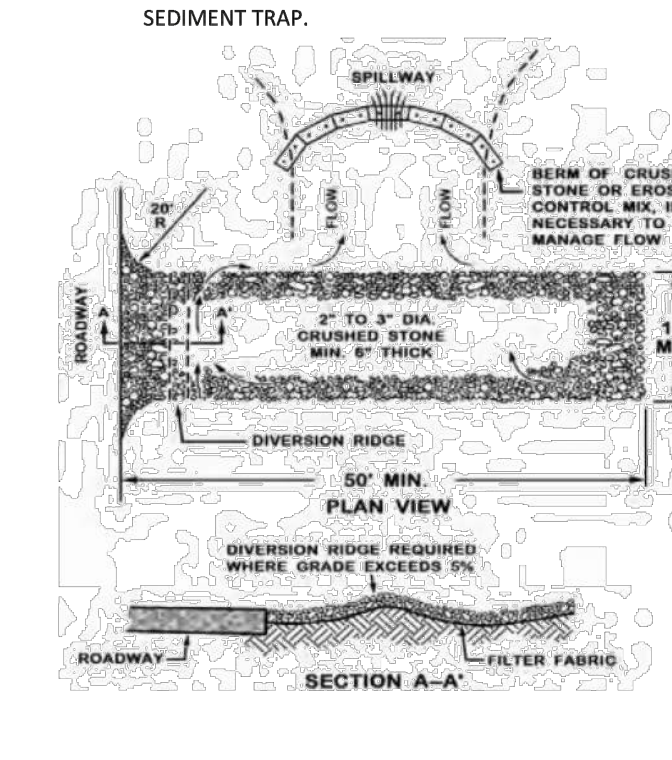
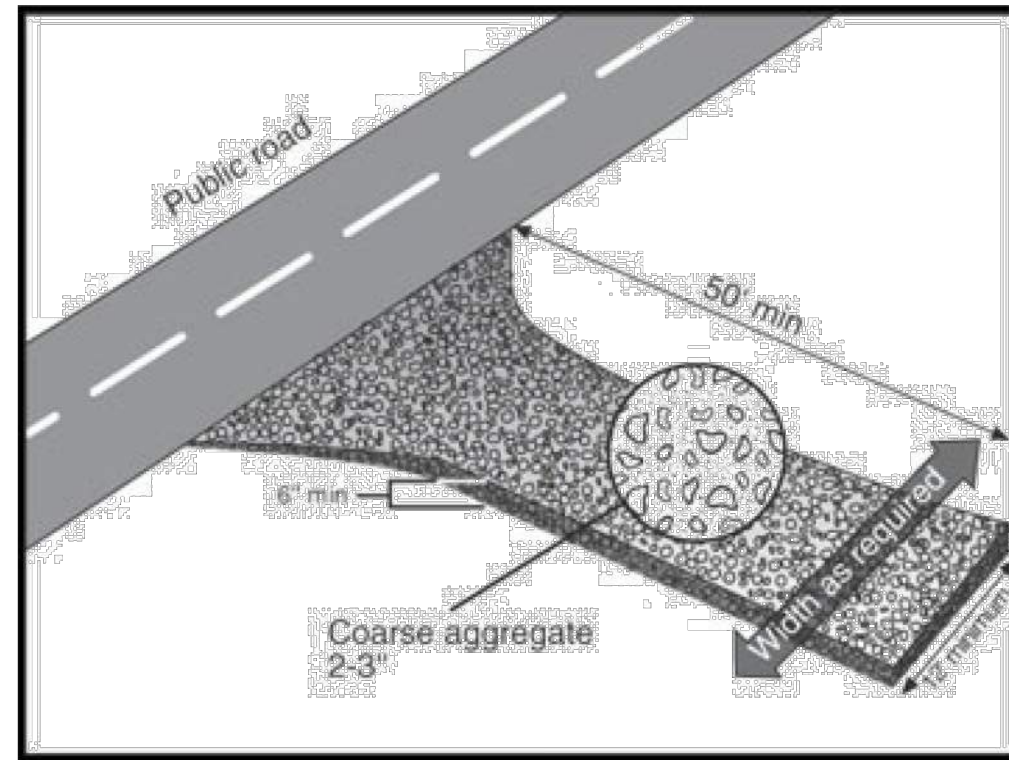
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pjm
DATE
2-9-26
DRAWING
SHEET #
SW-3
JOB #
2023123

CONSTRUCTION EXIT (CE) & TRACK-OUT CONTROL

- DESCRIPTION & PURPOSE:**
CONSTRUCTION EXITS HELP REDUCE OR ELIMINATE SEDIMENT THAT LEAVES THE CONSTRUCTION SITE AND GETS ONTO THE PUBLIC RIGHT-OF-WAY. THIS IS DONE BY CONTROLLING RUNOFF AND CLEANING MUD FROM VEHICLES AND TIRES. A CE IS A STABILIZED SURFACE BUILD USING LARGE STONE PLACED ON A FILTER FABRIC PLUS A SHAKING OR WASHING MECHANISM TO REMOVE MUD FROM VEHICLE TIRES BEFORE TRAFFIC LEAVES A CONSTRUCTION SITE ONTO A PUBLIC RIGHT-OF-WAY, STREET, ALLEY, SIDEWALK, OR PARKING LOT. SELECTING THE PROPER LOCATION FOR VEHICLE EXITS FROM THE CONSTRUCTION SITE AND ENSURING IT IS PROTECTED FROM DRAINAGE ORIGINATING FROM LAND-DISTURBING ACTIVITIES IS A KEY ELEMENT OF THIS BEST MANAGEMENT PRACTICE (BMP). BESIDES ENVIRONMENTAL CONCERNS, SEDIMENT ON PUBLIC ROADS ALSO CREATES A TRAFFIC HAZARD. PUBLIC ROADS SHOULD BE KEPT CLEAR OF ANY SEDIMENT. ANY TRACKING SHOULD BE SWEEP DAILY BEFORE AFTERNOON TRAFFIC. SPECIAL ATTENTION SHOULD BE PAID TO CONSTRUCTION EXITS NEAR WATER BODIES.
- CONDITIONS WHERE PRACTICE APPLIES:**
THIS PRACTICE IS APPLIED ANYWHERE CONSTRUCTION TRAFFIC LEAVES OR ENTERS A CONSTRUCTION SITE.
- DESIGN CONSIDERATIONS:**
 - LOCATE THE CONSTRUCTION EXIT UPSLOPE FROM THE DISTURBED AREA. WHENEVER POSSIBLE, IF THE ONLY ACCESS TO THE SITE IS FROM ROADS DOWNSLOPE, PLACE THE CONSTRUCTION EXIT AT THE HIGHEST POINT ALONG THAT FRONTAGE AND INCLUDE CONTROLS AS NEEDED TO PREVENT RUNOFF FROM THE DISTURBED SITE FROM DRAINING INTO THE CONSTRUCTION EXIT.
 - THE CE MUST INCLUDE SPECIFICATIONS FOR ADDITIONAL TRACK-OUT CONTROLS SUCH AS WHEEL WASHING, RUMBLE STRIPS, AND RATTLE STRIPS, AS NEEDED TO ENSURE SEDIMENT REMOVAL OCCURS BEFORE VEHICLE EXIT. SHAKER RACKS WORK BY REMOVING MUD OR SOIL FROM VEHICLE TIRES THROUGH BOUNCING OR SHAKING AS THE VEHICLE DRIVES OVER THE RACK. TRACK-OUT CONTROL MATS, MADE OF ROWS OF STAGGERED PYRAMIDS, DEFORM TIRES AS VEHICLES PASS OVER, EFFECTIVELY DISLODGING SEDIMENT, STONES, AND DEBRIS WITHOUT DAMAGING THE TIRES. THE DEBRIS COLLECTS AT THE BASE OF EACH MAT AND WILL NOT CONTACT SUBSEQUENT VEHICLES' TIRES. SIMILARLY, THE SIZE OF THE ROCK IN THE CE CAN BE INCREASED FROM THE NORMAL SIZE—1" TO 3"—TO A LARGER SIZE—3" TO 6"—TO HELP DISLODGE SEDIMENT FROM TIRES.
 - MANAGE CONSTRUCTION WATER. SHOW THE LOCATION OF THE WATER SOURCE USED FOR FILLING WATER TRUCKS AND WASHING MUD AND DIRT FROM VEHICLES, AND INDICATE AN ON-SITE SPOT WHERE WATER TRUCKS WILL BE FILLED.

- PREVENT UNNECESSARY VEHICLES FROM ENTERING THE DISTURBED PORTION OF THE SITE. SHOW STABILIZED EMPLOYEE AND VISITOR PARKING AREAS ON THE ESC PLAN.
- DRAINAGE FROM THE CONSTRUCTION EXIT MUST BE DIRECTED AWAY FROM THE CONNECTING PAVEMENT. IT MUST FLOW INTO THE SITE OR AN APPROPRIATELY SIZED SEDIMENT TRAP. A SEDIMENT TRAP IS REQUIRED TO CAPTURE VEHICLE WASH WATER.
- TEMPORARY ACCESS RAMPS OVER THE CURB ARE COMMONLY MADE OF METAL, RUBBER, OR WOOD, BUT DIRT RAMPS ARE NOT ALLOWED.
- IF A CONSTRUCTION SITE ENTRANCE OR EXIT CROSSES A STREAM, SWALE, OR OTHER DEPRESSION, INSTALL A BRIDGE OR CULVERT TO PREVENT EROSION OF UNPROTECTED BANKS.
- ACCESS CONTROLS SHOULD LIMIT ACCESS FROM THE SIDES AND DIRECT TRAFFIC TO TRAVEL THE FULL LENGTH OF THE CE. EXITING VEHICLES SHOULD NOT BE ABLE TO GO AROUND THE CONSTRUCTION EXIT.

- CONSTRUCTION SPECIFICATIONS:**
 - THE CONSTRUCTION EXIT MUST BE BUILT AT THE LOCATION SPECIFIED ON THE ESC PLAN BEFORE STARTING LAND DISTURBING ACTIVITIES. IF THE LOCATION ON THE ESC PLAN CHANGES, A REVISED PLAN MUST BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL.
 - THE LENGTH OF THE CONSTRUCTION EXIT MUST BE AT LEAST 50 FEET, AND THE WIDTH MUST BE AT LEAST 12 FEET FOR EXIT ONLY AND AT LEAST 24 FEET FOR TWO-WAY TRAFFIC. TURNING RADI MUST BE SUFFICIENT TO ACCOMMODATE ALL EXITING VEHICLES, 20' MINIMUM FOR WATER AND DUMP TRUCKS, 30' MINIMUM FOR TRACTOR-TRAILERS.
 - ADD CURB RAMPS. DO NOT PLACE DIRT IN THE STREET. TYPICAL RAMP MATERIALS INCLUDE TIMBER, RUBBER, AND METAL. THEY MUST NOT CREATE A TRAFFIC HAZARD THAT DISRUPTS NORMAL TRAFFIC OR DAMAGES VEHICLES. GENERALLY, THEY SHOULD NOT EXTEND PAST THE CONCRETE GUTTER. RAMPS MUST BE REMOVED AT THE END OF CONSTRUCTION, AND ANY DAMAGED CURB REPAIRED.

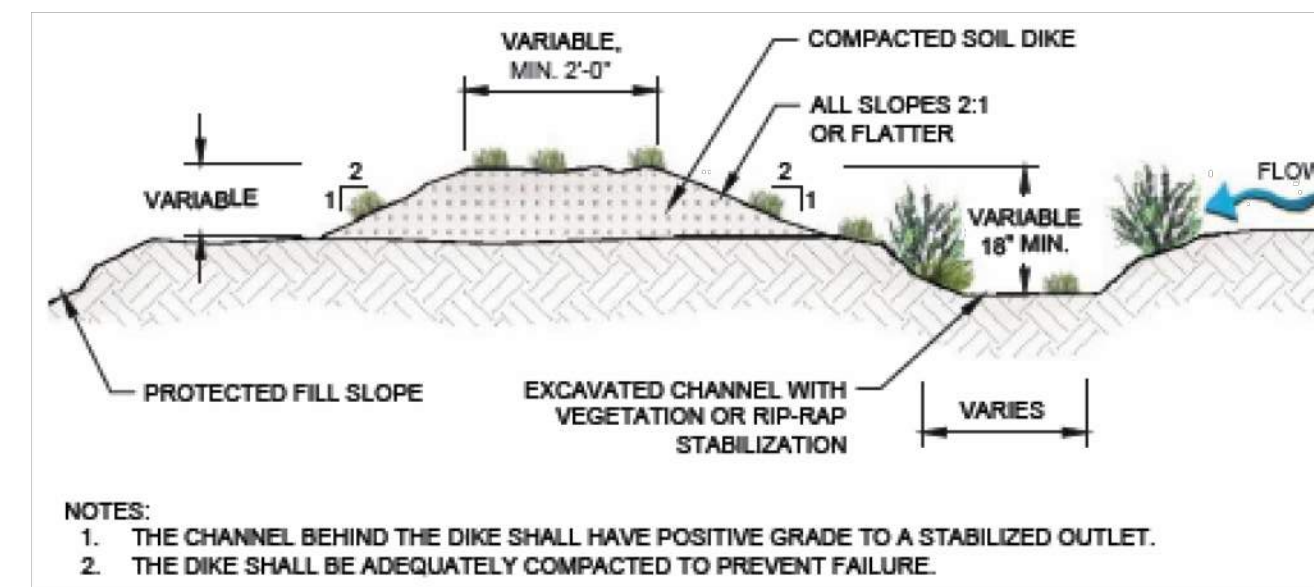


REVISIONS	CITY OF ALBUQUERQUE
Draft 8/22/2025	CONSTRUCTION STORMWATER QUALITY CONSTRUCTION EXIT (CE) & TRACK-OUT CONTROL

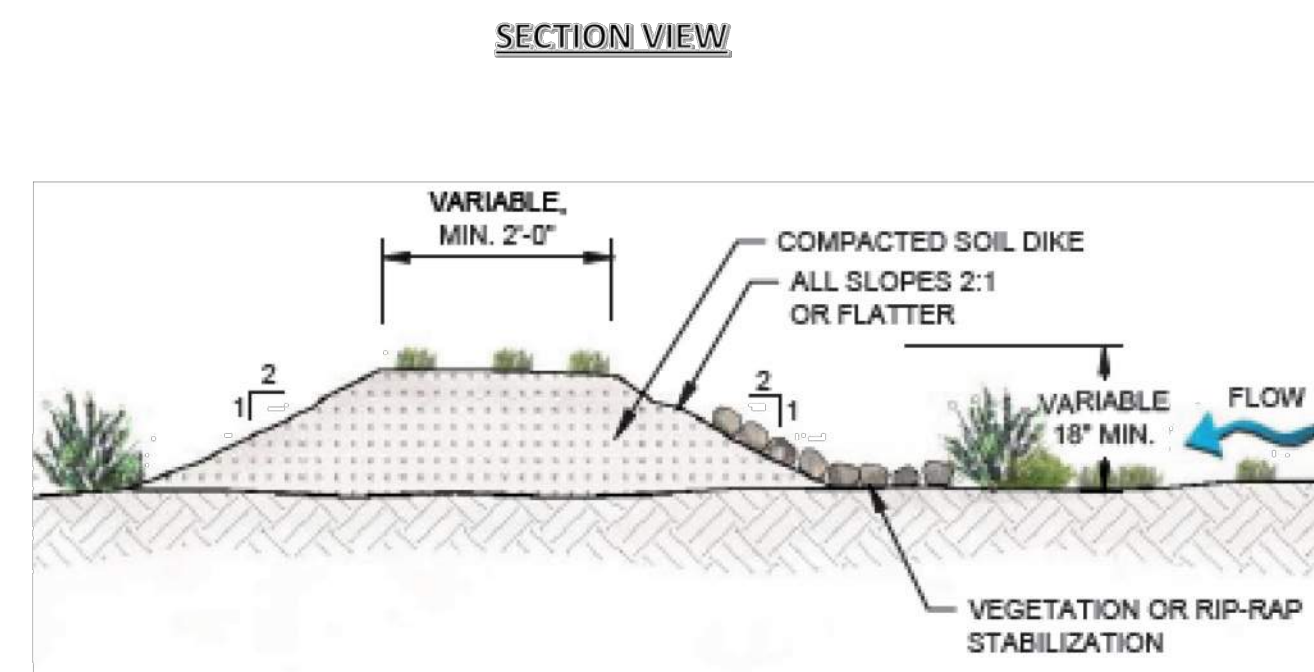
SHEET 1 OF 2

TEMPORARY DIVERSION CHANNEL (DC)

- DESCRIPTION:**
A TEMPORARY DIVERSION CHANNEL (DC) IS A COMPACTED EARTHEN PERIMETER CONTROL DEVICE OF A COMPACTED DIKE OR A COMBINATION OF A CHANNEL AND A DIKE, WITH A VEGETATED OR RIP-RAP LINING. IT IS BUILT ALONG THE PERIMETER AND WITHIN THE DISTURBED AREA OF A SITE, EITHER AT THE TOP OR BASE OF A SLOPING DISTURBED ZONE. DIKES ARE ALSO KNOWN AS BERMS, AND CHANNELS ARE REFERRED TO AS DITCHES OR SWALES.
- PURPOSE:**
TEMPORARY DIVERSION CHANNELS ARE CONSTRUCTED TO CONTROL THE VELOCITY OR ROUTE (OR BOTH) OF SEDIMENT-LADEN STORMWATER RUNOFF. WHEN ON THE UPSLOPE SIDE OF A SITE, A TEMPORARY DIVERSION CHANNEL HELPS PREVENT SURFACE RUNOFF FROM ENTERING A DISTURBED CONSTRUCTION AREA, THEREBY IMPROVING WORKING CONDITIONS BY PREVENTING AN INCREASE IN SHEET FLOW RUNOFF TRAVELING ACROSS THE DISTURBED ZONE, WHICH REDUCES EROSION ON THE SITE. A TEMPORARY DIVERSION CHANNEL CAN ALSO BE LOCATED ON THE DOWNSLOPE SIDE OF A SITE TO DIVERT SEDIMENT-LADEN RUNOFF GENERATED ON-SITE TO A SEDIMENT-TRAPPING DEVICE, PREVENTING SOIL LOSS.
- CONDITION WHERE PRACTICE APPLIES:**
THE PLACEMENT OF A TEMPORARY DIVERSION CHANNEL DEPENDS ON THE TOPOGRAPHY OF THE SURROUNDING AREA AT THE CONSTRUCTION SITE. ANOTHER CRITICAL FACTOR IS WHETHER THE GOAL IS TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE SITE OR TO KEEP STORMWATER RUNOFF FROM ENTERING THE SITE. TEMPORARY DIVERSION CHANNELS ARE REQUIRED ALONG THE UPHILL SIDE OF THE AREAS OF LAND DISTURBANCE TO DIVERT STORMWATER RUNOFF AROUND THE DISTURBED AREA UNLESS THE RUNOFF FROM UPSTREAM OFF-SITE BASINS IS RETAINED IN A SEDIMENT BASIN PER CGP 2.2.12. DIVERSIONS MUST RETURN THE FLOW TO ITS ORIGINAL PATH AND VELOCITY AT THE DOWNSLOPE EDGE OF THE SITE PER CGP 2.2.11. TEMPORARY DIVERSION CHANNELS ARE ALSO APPROPRIATE ALONG THE PERIMETER OF THE SITE DOWNSLOPE FROM LAND DISTURBING ACTIVITIES WHERE THE DESIGN CRITERIA OF STORMWATER SILT FENCE (SWSF) AND COMPOST FILTER SOCK (CFS) ARE EXCEEDED, AND TO CONVEY ON-SITE DRAINAGE TO A TEMPORARY SEDIMENT BASIN TO BE RETAINED ON-SITE PER CGP 2.2.12.
- DESIGN SPECIFICATIONS:**
THE EPA REQUIRES A DESIGN FOR 2-YEAR STORMS ACCORDING TO CGP 2.2.12, AND CITY ORDINANCE § 14-5-2.12(B)(3) MANDATES A 10-YEAR STORM DESIGN FROM MAY 1 THROUGH OCTOBER 31, IF THE 100-YEAR PEAK FLOW RATE IS 50 CFS OR MORE.



EARTH DIKE AND EXCAVATED CHANNEL COMBINATION



EARTH DIKE WITHOUT EXCAVATED CHANNEL



DESIGN CALCULATIONS, INCLUDING FLOW RATES, DEPTH, AND VELOCITY CALCULATIONS, AS WELL AS CONSTRUCTION SPECIFICATIONS, MUST BE SHOWN ON AN ESC PLAN STAMPED BY A NEW MEXICO PROFESSIONAL ENGINEER. RIP-RAP LINING IS REQUIRED WHERE THE DESIGN FLOW VELOCITY EXCEEDS 3 FEET PER SECOND TO PREVENT EXCESSIVE EROSION.

MANNING'S EQUATION: $Q = \frac{1.486AR^{2/3}}{n} \sqrt{S_0}$
AND $V = \frac{1.486R^{2/3}}{n} \sqrt{S_0}$ WHERE $n = 0.030$ (DIRT),
 $n = 0.045$ (RIP-RAP), AND $R = \frac{D}{4}$

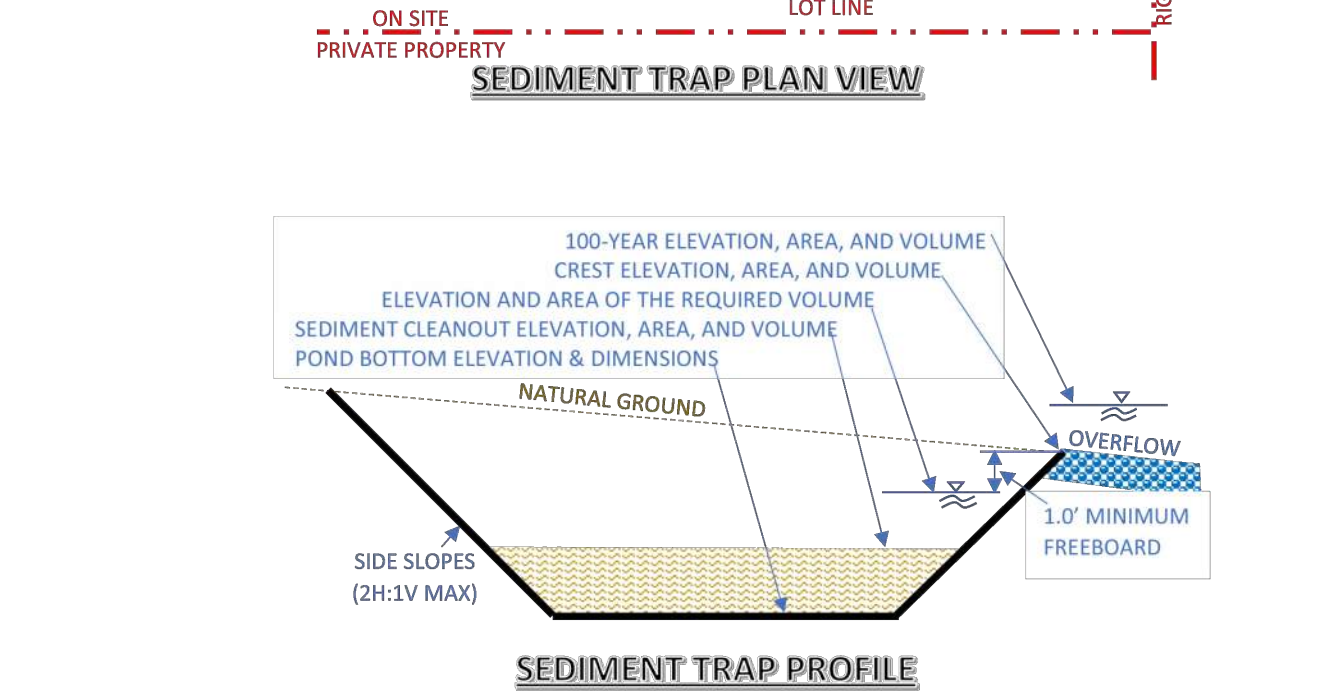
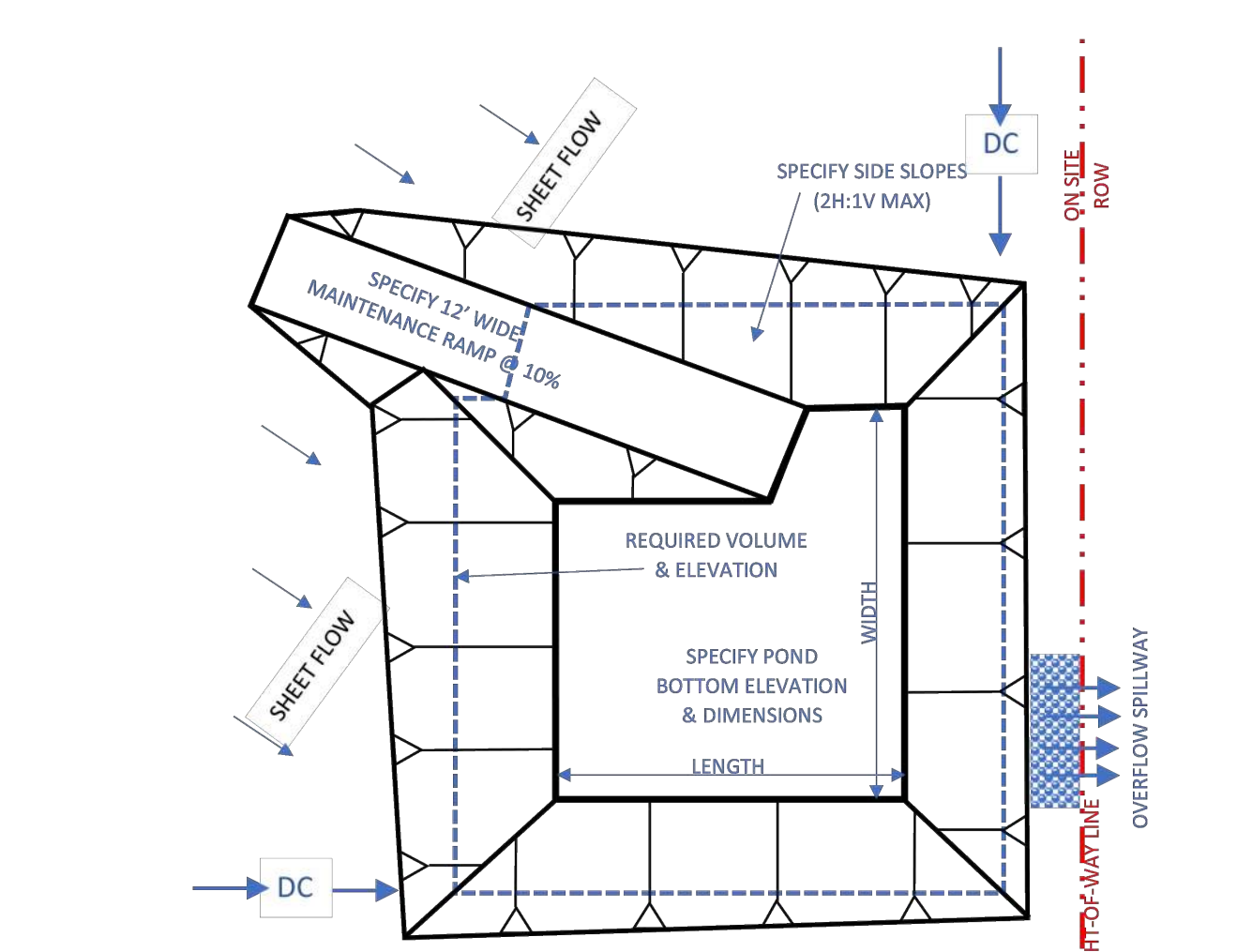
- CONSTRUCTION SPECIFICATIONS:**
CONSTRUCT DIVERSION CHANNELS AND FULLY STABILIZE THEM BEFORE ANY MAJOR LAND DISTURBANCE BEGINS. THIS METHOD ENSURES THE DIVERSION FUNCTIONS EFFECTIVELY AS AN EROSION AND SEDIMENT CONTROL DEVICE. THE TOP OF THE SOIL DIKE SHOULD BE AT LEAST 2 FEET WIDE, AND THE BOTTOM WIDTH AT GROUND LEVEL SHOULD BE AT LEAST 6 FEET. THE MINIMUM HEIGHT FOR THE EARTH CHANNEL SHOULD BE 18 INCHES, WITH EXTRA HEIGHT ADDED AS NEEDED TO MAINTAIN A MINIMUM OF 6 INCHES FREEBOARD. SIDE SLOPES SHOULD BE NO STEEPER THAN 2:1. AT POINTS WHERE VEHICLES WILL CROSS THE CHANNEL, ENSURE THE SLOPE DOES NOT EXCEED 3:1, AND USE GRAVEL RATHER THAN SOIL FOR THE MOUND. THIS DESIGN EXTENDS THE CHANNEL'S DURABILITY AND REINFORCES THE VEHICLE CROSSING POINT. BEFORE EXCAVATING OR MOUND-BUILDING, REMOVE ALL TREES, BRUSH, STUMPS, AND OTHER OBJECTS IN THE PATH OF THE DIVERSION STRUCTURE. TILL THE BASE OF THE DIKE BEFORE ADDING THE FILL, THEN COMPACT THE SOIL AS NECESSARY TO PREVENT FAILURE.
- INSPECTION AND MAINTENANCE:**
A CERTIFIED INSPECTOR MUST CONDUCT SELF-INSPECTIONS EVERY 14 DAYS, IMMEDIATELY AFTER EACH RAINFALL OF 3/4" OR MORE, AND AT LEAST DAILY DURING EXTENDED RAINFALLS TO CHECK FOR EROSION OR DETERIORATION. MAINTAIN TEMPORARY DIVERSION CHANNELS AT THEIR ORIGINAL HEIGHT. REPAIR ANY DECREASE IN HEIGHT CAUSED BY SETTLING AND FIX EROSION WITH RIP-RAP IMMEDIATELY. TO STAY EFFECTIVE, EARTH CHANNELS MUST BE KEPT COMPACTED AT ALL TIMES.

REVISIONS	CITY OF ALBUQUERQUE
Draft 1/28/26	CONSTRUCTION STORMWATER QUALITY TEMPORARY DIVERSION CHANNEL (DC)

SHEET 1 OF 1

SEDIMENT BASIN & SEDIMENT TRAP (SB) & (ST)

- DESCRIPTION:**
SEDIMENT BASINS (SB) AND SEDIMENT TRAPS (ST) ARE TEMPORARY RETENTION PONDS EXCAVATED BELOW GROUND LEVEL TO AVOID THE NEED FOR AN EMBANKMENT. SEDIMENT BASINS OVERFLOW THROUGH A PIPE, WHILE SEDIMENT TRAPS USE A SURFACE SPILLWAY. THEY ARE TYPICALLY INSTALLED IN A DRAINAGE CHANNEL OR AT A CONCENTRATED DISCHARGE POINT. THE SIZE OF THE TRAP—LENGTH, WIDTH, AND DEPTH—DEPENDS ON THE AREA THAT DRAINS INTO IT. SEDIMENT TRAPS ARE USUALLY SMALLER PONDS LOCATED IN THE UPPER PARTS OF WATERSHEDS, WHEREAS SEDIMENT BASINS ARE LARGER AND FOUND IN THE LOWER PARTS, WHERE PERMANENT STORM DRAINS CAN CARRY OVERFLOW THROUGH A CONTROLLED POND OUTLET STRUCTURE.
- PURPOSE:**
TEMPORARY SEDIMENT TRAPS AND SEDIMENT BASINS ARE USED EITHER TO PREVENT ON-SITE EROSION BY RETAINING STORMWATER UPSTREAM OF LAND-DISTURBING ACTIVITIES OR TO CAPTURE SEDIMENT AND OTHER POLLUTANTS DOWNSLOPE OF LAND-DISTURBING ACTIVITIES. WHEN ON THE UPSLOPE SIDE OF A SITE, A TEMPORARY SEDIMENT TRAP OR BASIN HELPS PREVENT SURFACE RUNOFF FROM ENTERING A DISTURBED CONSTRUCTION AREA. THIS IMPROVES WORKING CONDITIONS BY REDUCING STORMWATER RUNOFF ACROSS THE DISTURBED ZONE, WHICH DECREASES EROSION ON THE SITE. A TEMPORARY SEDIMENT TRAP OR BASIN CAN ALSO BE PLACED ON THE DOWNSLOPE SIDE OF A SITE TO RETAIN ON-SITE SEDIMENT-LADEN RUNOFF, PREVENTING SOIL LOSS.
- CONDITION WHERE PRACTICE APPLIES:**
 - CONCENTRATED FLOWS—STORMWATER SILT FENCE (SWSF) AND COMPOST MULCH SOCK (CFS) EFFECTIVELY CONTROL SHEET FLOWS, BUT A SEDIMENT BASIN OR TRAP IS NECESSARY WHERE FLOWS ARE CONCENTRATED.
 - AT "DISCHARGE POINTS" WHERE CONCENTRATED STORMWATER ENTERS OR EXITS AREAS OF LAND-DISTURBING ACTIVITY.
 - AT THE DOWNSLOPE END OF A SLOPING PERIMETER CONTROL, SUCH AS A DIVERSION CHANNEL (DC) THAT COLLECTS AND CONCENTRATES STORMWATER.
 - AT MULTIPLE LOCATIONS WITHIN THE PROJECT SITE WHERE SEDIMENT CONTROL IS NEEDED.
 - AROUND OR UPSLOPE FROM STORM DRAIN INLET PROTECTION MEASURES.
 - UPSTREAM FROM SITES ON A WATERCOURSE WITH A 100-YEAR PEAK FLOW RATE OF 50 CFS OR MORE TO COMPLY WITH CITY ORDINANCE § 14-5-2.12(B)(3), WHICH REQUIRES SAFE PASSAGE OF THE 10-YEAR FLOW FROM MAY 1 THROUGH OCTOBER 31.



- LIMITATIONS:**
 - DO NOT USE EMBANKMENTS IN AREAS WHERE DAM FAILURE COULD CAUSE LOSS OF LIFE, PROPERTY DAMAGE, OR DISRUPT PUBLIC ROADS AND UTILITIES.
 - OVERFLOW MUST HAVE ADEQUATE DOWNSLOPE CAPACITY TO CONVEY THE PEAK 100-YEAR FLOW RATE NON-EROSIVELY. ADDITIONAL STORAGE MAY BE NECESSARY TO SATISFY THIS REQUIREMENT.
 - DESIGN SPECIFICATIONS:**
PART 2.2.12 OF THE EPA'S CONSTRUCTION GENERAL PERMIT (CGP) SAYS:
"IF YOU INSTALL A SEDIMENT BASIN OR SIMILAR IMPOUNDMENT:
A. SITUATE THE BASIN OR IMPOUNDMENT OUTSIDE OF ANY RECEIVING WATER AND ANY NATURAL BUFFERS ESTABLISHED UNDER PART 2.2.1;
B. DESIGN THE BASIN OR IMPOUNDMENT TO AVOID COLLECTING WATER FROM WETLANDS;
C. DESIGN THE BASIN OR IMPOUNDMENT TO PROVIDE STORAGE FOR EITHER:
a. THE CALCULATED VOLUME OF RUNOFF FROM A 2-YEAR, 24-HOUR STORM; OR
b. 3,600 CUBIC FEET PER ACRE DRAINED.
D. UTILIZE OUTLET STRUCTURES THAT WITHDRAW WATER FROM THE SURFACE OF THE SEDIMENT BASIN OR SIMILAR IMPOUNDMENT, UNLESS INFEASIBLE;
E. USE EROSION CONTROLS AND VELOCITY DISSIPATION DEVICES TO PREVENT EROSION AT INLETS AND OUTLETS; AND
F. 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."
- CALCULATIONS OF THE REQUIRED RETENTION VOLUME FOR SEDIMENT BASINS AND TRAPS MUST BE INCLUDED ON THE EROSION AND SEDIMENT CONTROL (ESC) PLAN AND COMPLY WITH CGP 2.2.12.C ABOVE. THE MINIMUM VOLUME NEEDED IS THE 2-YEAR, 24-HOUR RUNOFF VOLUME FROM THE ENTIRE WATERSHED DRAINING TO THE POND, INCLUDING BOTH ON-SITE AND OFF-SITE AREAS. WATERSHED BASIN BOUNDARIES MUST ALSO BE SHOWN ON A MAP WITHIN THE ESC PLAN.

REVISIONS	CITY OF ALBUQUERQUE
Draft 02/02/26	CONSTRUCTION STORMWATER QUALITY SEDIMENT BASIN & TRAP (SB) & (ST)

SHEET 1 OF 3

COMPOST FILTER SOCK (CFS)

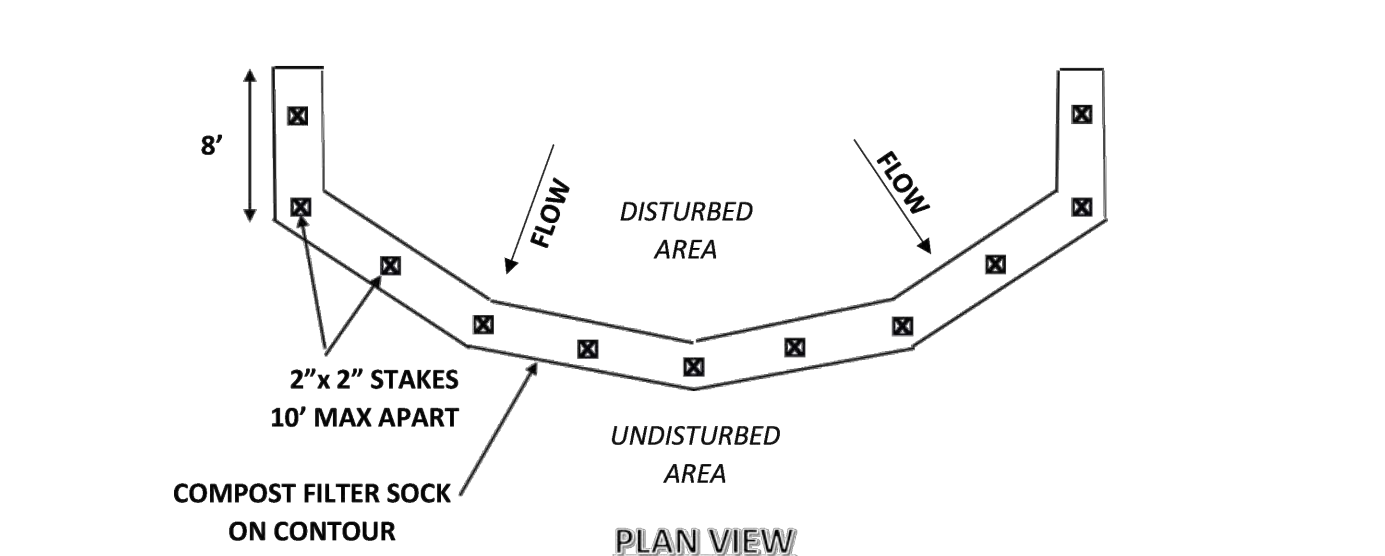
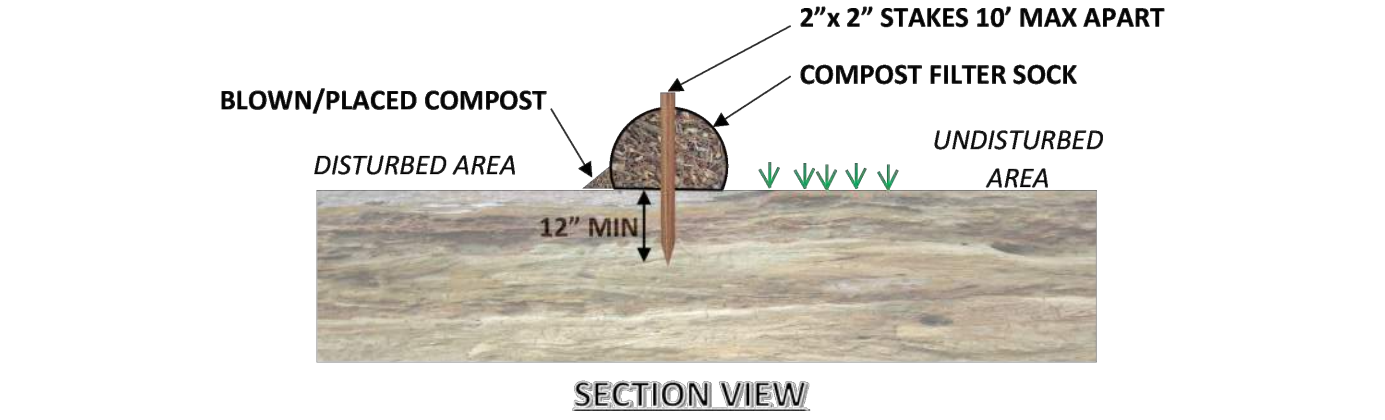
- DESCRIPTION & PURPOSE:**
A COMPOST FILTER SOCK IS A MESH TUBE FILLED WITH COMPOST STAKED ON CONTOUR TO CREATE TEMPORARY PONDING TO FACILITATE THE DEPOSITION OF SUSPENDED SOLIDS AND FILTER POLLUTANTS FROM SHEET FLOW. THE COMPOST FILTER SOCK IS OFTEN MORE EFFECTIVE AND CAN REPLACE TRADITIONAL EROSION AND SEDIMENT CONTROL PRACTICES, SUCH AS A SILT FENCE OR STRAW BALE BARRIER. COMPOST FILTER SOCKS HAVE MORE SURFACE AREA CONTACT WITH THE UNDERLYING SOIL THAN TYPICAL SEDIMENT CONTROL DEVICES, SO STORMWATER IS LESS LIKELY TO CREATE RILLS UNDER THEM AND/OR CHANNELS CARRYING UNFILTERED SEDIMENT. THE GREATER CONTACT AREA AND WEIGHT OF COMPOST FILTER SOCKS ALSO ALLOW WATER TO POND AND ALLOW SUSPENDED SEDIMENTS TO SETTLE OUT. COMPOST FILTER SOCKS ALSO FILTER HEAVY METALS, POLLUTANTS, AND OIL FROM STORMWATER WHEN SOCKS ARE FILLED WITH ADSORBENT MEDIA.
- CONDITION WHERE PRACTICE APPLIES:** COMPOST FILTER SOCKS CAN BE USED IN MANY CONSTRUCTION SITE APPLICATIONS WHERE EROSION WILL OCCUR IN THE FORM OF SHEET EROSION, AND THERE IS NO CONCENTRATION OF WATER FLOWING TO THE SOCK. IN AREAS WITH STEEP SLOPES AND/OR ROCKY TERRAIN, SOIL CONDITIONS MUST MAINTAIN GOOD CONTINUOUS CONTACT BETWEEN THE SOCK AND THE SOIL THROUGHOUT ITS LENGTH. FOR USE ON IMPERVIOUS SURFACES SUCH AS ROAD PAVEMENT OR PARKING AREAS, PROPER ANCHORAGE MUST BE PROVIDED TO PREVENT SHIFTING OF THE SOCK OR SEPARATION OF THE CONTACT BETWEEN THE SOCK AND THE PAVEMENT. COMPOST FILTER SOCKS ARE UTILIZED BOTH AT THE PERIMETER AND WITHIN THE CONSTRUCTION AREAS. THESE SOCKS MAY BE FILLED AFTER PLACEMENT BY BLOWING COMPOST INTO THE TUBE PNEUMATICALLY, OR FILLED AT A STAGING LOCATION AND MOVED INTO THEIR DESIGNED LOCATION. UPON COMPLETION OF CONSTRUCTION, COMPOST FILTER SOCKS CAN BE CUT UP TO SPREAD THE COMPOST AROUND THE SITE AS SOIL AMENDMENT OR MULCH. THEY THEN DISPOSE OF THE MESH SOCK UNLESS IT IS BIODEGRADABLE.
- DESIGN SPECIFICATIONS:**
 - COMPOST FILTER SOCKS WILL BE PLACED ON THE CONTOUR WITH BOTH TERMINAL ENDS OF THE SOCK EXTENDED 8 FEET UPSLOPE AT A 45 DEGREE ANGLE TO PREVENT BYPASS FLOW.
 - DIAMETERS DESIGNED FOR USE SHALL BE 12"–32" EXCEPT THAT 8" DIAMETER SOCKS MAY BE USED FOR RESIDENTIAL LOTS TO CONTROL AREAS LESS THAN 0.25 ACRES.
 - THE FLAT DIMENSION OF THE SOCK SHALL BE AT LEAST 1.5 TIMES THE NOMINAL DIAMETER.

DIAM. (IN)	SLOPE (%)					
	2	5	10	20	25	33
8	225	200	100	50	20	20
12	250	225	125	65	50	40
18	275	250	150	70	55	45
25	350	275	200	130	100	60
32	450	325	275	150	120	75

8" CFS ARE FOR SINGLE FAMILY RESIDENTIAL USE ONLY.

- CONSTRUCTION SPECIFICATIONS:**
 - THE ADVANTAGE OF COMPOST FILTER SOCKS OVER SIMILAR STORMWATER CONTROLS IS THAT THEY DO NOT REQUIRE TRENCHING; THEREFORE, INSTALLING THEM DOES NOT DISTURB THE SOIL. HOWEVER, TRIM OR REMOVE VEGETATION AND DEBRIS TO ENSURE FULL CONTACT WITH THE GROUND SURFACE.
 - THE COMPOST FILTER SOCK SHOULD BE ANCHORED WITH 2" X 2" HARDWOOD STAKES DRIVEN THROUGH THE MIDDLE OF THE SOCK TO 12" MINIMUM INTO THE GROUND WITH NOT MORE THAN 10' BETWEEN STAKES. ON UNEVEN TERRAIN, EFFECTIVE GROUND CONTACT CAN BE ENHANCED BY THE PLACEMENT OF A FILLET OF COMPOST MEDIA ON THE DISTURBED AREA SIDE OF THE COMPOST.
 - SOCK MATERIALS: THE COMPOST FILTER SOCK IS TYPICALLY MADE OF HIGH-DENSITY POLYETHYLENE (HDPE) OR BIODEGRADABLE PLASTIC FILAMENT MESH TUBES FILLED WITH COMPOST.
 - SOCKS MUST BE FILLED WITH COMPOST MATERIAL CONFORMING TO CITY STANDARD SPECIFICATION 1005.2.4.B, LATEST EDITION, OR APPROVED EQUAL SOCKS FILLED WITH STRAW OR WOODCHIPS ARE NOT ACCEPTABLE STORMWATER CONTROLS IN ALBUQUERQUE. COMPOST MATERIAL IS SPECIFIED AS FOLLOWS: ORGANIC MATTER SHALL CONSIST OF ORGANIC CARBON SOURCES SUCH AS STRAW, HAY, BARK, SAWDUST, OR WOOD SHAVINGS, AND NITROGEN SOURCES SUCH AS MANURE, BLOOD MEAL, OR CHEMICAL FERTILIZERS. NITROGEN SOURCES MUST BE ADDED BEFORE COMPOSTING. THIS MIXTURE SHALL BE AEROBICALLY COMPOSTED AT TEMPERATURES BETWEEN 120° AND 160° FOR AT LEAST 15 DAYS, WITH AN ADDITIONAL CURING PERIOD OF NO LESS THAN 3 MONTHS. WEED SEEDS MUST BE DESTROYED DURING COMPOSTING. FINISHED COMPOST WILL BE SCREENED TO ENSURE LESS THAN 2% REMAINS ON A 1/2-INCH SCREEN. THE CARBON-TO-NITROGEN RATIO OF ORGANIC MATTER SHALL BE LESS THAN 50 PARTS CARBON TO ONE PART NITROGEN.
 - ALL SPECIFIC CONSTRUCTION DETAILS AND MATERIAL SPECIFICATIONS SHALL APPEAR ON THE EROSION AND SEDIMENT CONTROL (ESC) PLAN WHEN COMPOST FILTER SOCKS ARE INCLUDED IN THE PLAN.

- MAINTENANCE**
 - ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE HEIGHT OF THE SOCK ABOVE GROUND AND DISPOSED OF ACCORDING TO THE PLAN.
 - SOCKS SHALL BE INSPECTED EVERY 14 DAYS AND AFTER EACH RAIN EVENT OF 3/4" OR MORE. DAMAGED SOCKS SHALL BE REPAIRED AS REQUIRED BY THE MANUFACTURER OR REPLACED WITHIN 24 HOURS OF INSPECTION NOTIFICATION.
 - UNDERCUTTING MUST BE PREVENTED BY ADDING STAKES, COMPOST, AND ADDITIONAL CFS. CFS IS NOT APPROPRIATE FOR CONCENTRATED DISCHARGE POINTS AND SHOULD BE REPLACED WITH A SEDIMENT TRAP WHERE REPETITIVE UNDERCUTTING OR OVERTOPPING OCCURS.
- BIODEGRADABLE SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED BASED ON THE MANUFACTURER'S RECOMMENDATIONS.**
- STAKES SHALL BE REMOVED ONCE THE CONTRIBUTING AREA TO THE SOCK IS STABILIZED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED ACCORDING TO THE STABILIZATION PLAN. THE MESH CAN BE CUT FOR REMOVAL, AND THE COMPOST SPREAD AS ADDITIONAL MULCH TO SERVE AS A SOIL AMENDMENT.**
- TRAFFIC SHALL NOT BE ALLOWED TO CROSS CFS.**



REVISIONS	CITY OF ALBUQUERQUE
Draft 7/29/2025	CONSTRUCTION STORMWATER QUALITY COMPOST FILTER SOCK (CFS)

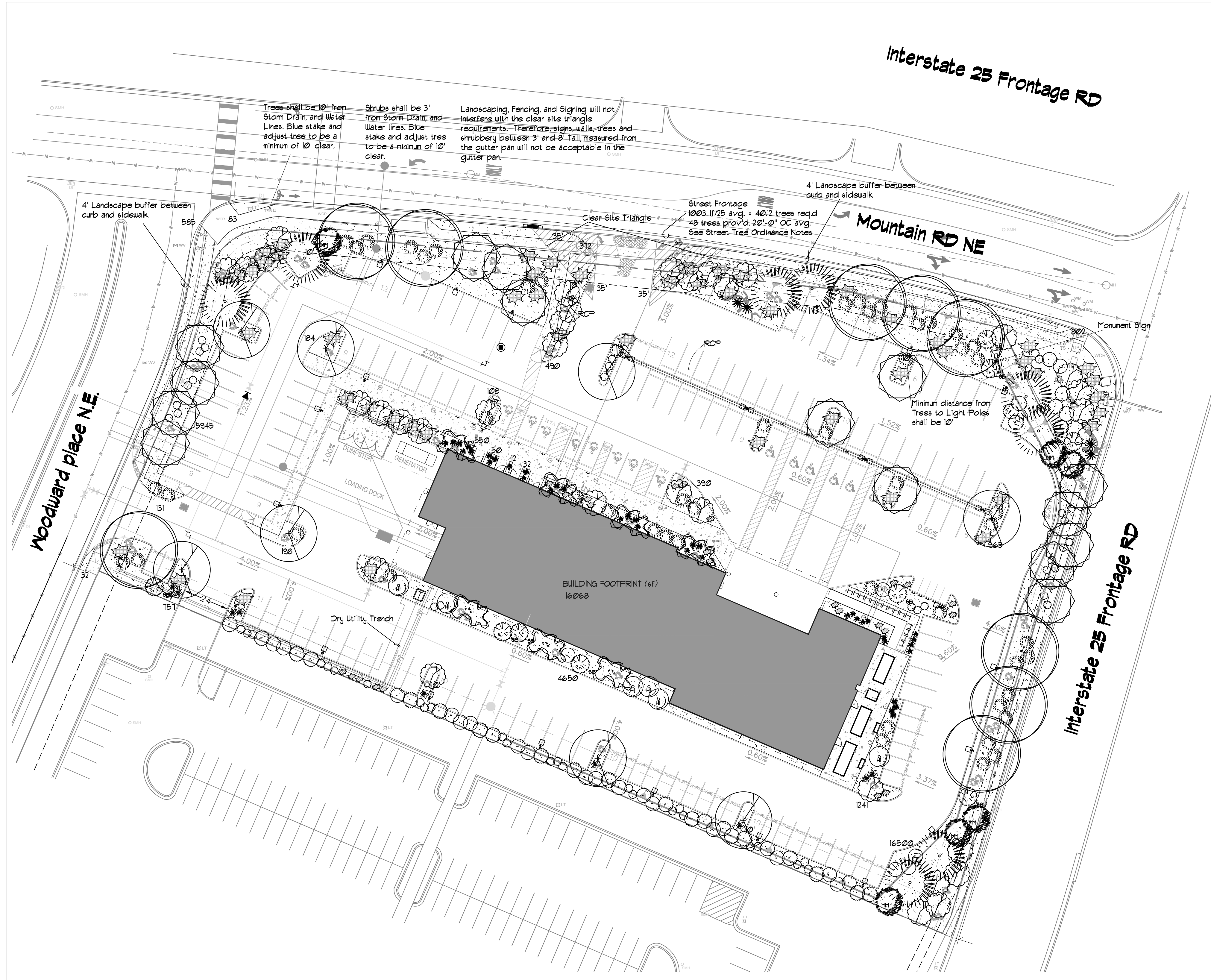
SHEET 1 OF 1

ENGINEER'S SEAL
RONALD R. BOHANNAN
NEW MEXICO
PROFESSIONAL ENGINEER
7868
2-9-26
RONALD R. BOHANNAN
P.E. #7868

NOBIS REHAB HOSPITAL
1100 WOODWARD PL.
EROSION CONTROL
DETAILS

TIERRA WEST, LLC
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DATE
2-9-26
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SHEET #
SW-4
JOB #
2023123



LANDSCAPE LEGEND

QTY	SIZE	COMMON/BOTANICAL	H2O USE
Trees			
8	2" cal	Chinese Pistache <i>40x30</i> <i>Pistacia chinensis</i>	107 5656 M+
9	2" cal	Texas Red Oak <i>40x40</i> <i>Quercus texana syn buckleyi</i>	1256 11304 M
8	6 - 8'	Austrian Pine <i>Pinus nigra</i>	35x25 491 3928 M
1	25 Gal	Crape Myrtle <i>Lagerstroemia indica x fauriei</i> Tree Form, Multi-Trunk	176 1232 M
34	2" Cal	Pom Pom Redbud <i>Cercis canadensis</i> "Pom Pom Poms" Per COA mandate	113 3842 M
15	2" Cal	Desert Willow <i>Chilopsis linearis</i> Multi-Trunk	491 7365 M
81	Total Trees	Tree Coverage	33321
Shrubs & Groundcovers			
4	4 - 6'	Fern Yucca <i>Yucca taxoniana</i> Note: install 3 Boulders and 150sf cobble accent	28 112 M
6	5 Gal	Curly-leaf Mountain Mahogany <i>Cercocarpus ledifolius</i>	116 1056 L+
9	5 Gal	Spanish Broom <i>Spartium junceum</i>	79 711 M
6	5 Gal	Rose of Sharon <i>Hibiscus syriacus</i>	79 474 M
53	5 Gal	India Hawthorne <i>Raphiolepis indica</i>	28 1484 M
51	5 Gal	Buffalo Juniper <i>Juniperus sobina</i> 'Buffalo'	50 2550 M
53	5 Gal	Turpentine Bush <i>Ericameria laricifolia</i>	13 688 L
19	5 Gal	Knock Out Roses <i>Rosa</i> 'Knock Out'	13 241 L
21	5 Gal	Apache Plume <i>Fallugia paradoxa</i>	39 1053 L
21	5 Gal	Chamae <i>Chrysothamnus nauseosus</i>	5x5 20 540 L
10	5 Gal	Beargrass <i>Nolina texana</i>	3x3 1 70 L
11	5 Gal	Dwarf Fountain Grass <i>Pennisetum alopecuroides</i> 'Hamelin'	3x3 1 119 M
14	5 Gal	Karl Foerster Grass <i>Calamagrostis acutiflora</i> 'Karl Foerster'	25x3 1 98 M
262	Total Shrubs	Shrub Coverage	9203
35630 SF	Landscape Area Ground Treatment		
25825 SF	75% 7/8" Santa Fe Brown, Filter Fabric		
8608 SF	25% Organic Mulch		
Note: Trees shall have a 5' dia of organic mulch, min 2" thick. Shrubs shall have a 2' dia. of organic mulch, min 2" thick. Per City of Albuquerque IDO			
54	2-3cf	Boulders, Moss Rock	
To be placed at contractor discretion Buried 1/3, not shown at epc level			
Organic Mulch 25% Required			
Note, Each Tree, min, 5' rad.		78.5sf	
89 Trees x 78.5 sf =		6,987	
See Tree Detail, a 5' radius of wood mulch is require around each tree w/out Filter Fabric			
Note, Each Shrub, min, 2' rad.		12.56 sf	
262 Shrubs x 12.56 sf =		3,291	
Total Mulch Provided		10,278	
Total Mulch Required		9203	

LANDSCAPE NOTES:
Contractor is responsible for quantity takeoff's. Quantities provided are for COA planning purposes only.

Landscape maintenance shall be the responsibility of the Property Owner. The Property Owner shall maintain street trees and shrubs in a living, healthy, and attractive condition.

Water management is the sole responsibility of the Property Owner.

All landscaping will be in compliance with the City of Albuquerque, Zoning Code. In general, water conservative, environmentally sound landscape principles will be followed in design and installation.

It is the intent of this plan to comply with the City Of Albuquerque Integrated Development Ordinance, Section 14-16-5-6, Landscaping, Buffering, and Screening.

Landscape plant materials used on this plan are derived from the current approved Official Albuquerque Plant Palette and Sizing List.

This landscape plan meets or exceeds all requirements of the COA IDO.

IRRIGATION NOTES:
Irrigation system maintenance and operation shall be the sole responsibility of the owner. It shall be the owners responsibility to ensure that fugitive water does not leave the site due to overwatering.

Irrigation shall be a complete underground system, operated by automatic timer.

Point of connection for Irrigation system is unknown at current time.

Location of controller to be field determined and power source for controller to be provided by others.

Irrigation maintenance shall be the responsibility of the Property Owner.

Water and Power source shall be the responsibility of the Developer/Builder.

Clear Site Triangle Note:
Landscaping and signage will not interfere with clear site requirements. Signs, walls, trees and shrubbery between 3 and 8 feet tall, (as measured from the gutter pan) are not included within the clear site triangle.

Street Tree Notes:
Per Section 5-6(D) (1) (a) Required Street Trees. Trees are GENERALLY required along street frontages every 25 feet on center unless otherwise specified in Part 6-2-2 of ROA 1994 (Street Trees)

Section 6-6-2-5 Street Trees (A)

- Size of the trees at maturity should be in proportion to the planting space provided for them. **Smaller species of trees will require closer spacing, and larger trees will require greater spacing.** Spacing shall be approved as part of the plan approval process.
- On sites where evenly spaced street trees are not possible, or do not conform to the overall design objectives of the site, provided that the number of trees equals or exceeds the number that would be required if the trees were evenly spaced

Drainage Basin Treatments
Per City of Albuquerque
Drainage Basin Treatments

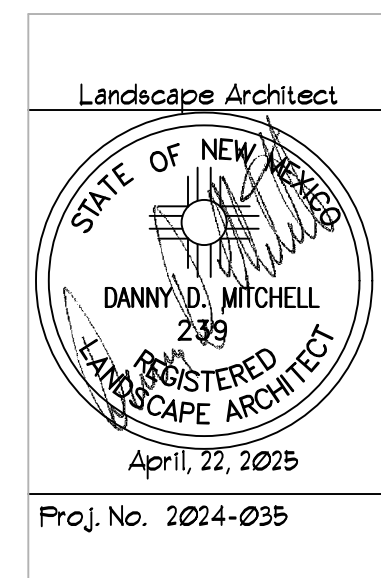
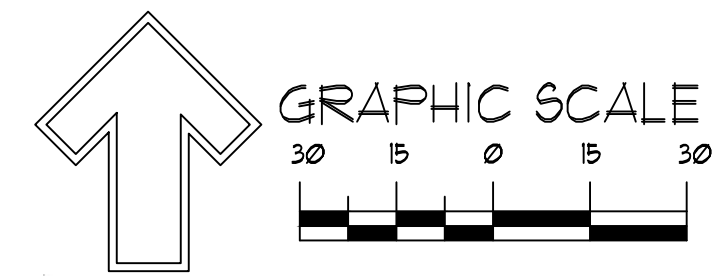
The bottom and sides must be seeded with a native mix per City standard specification 10122 depending on soil type for that City area. Please reference this native seed selection and the section on plan sheet.
For pond bottoms: Gravel 1/2 to 1 inch mulch. One layer thick, not stacked.
Native grass establishment must be achieved by the contractor within a 3 year time frame. Temporary irrigation or water trucks must be used when rain is lacking. Seeds must germinate in one year or reseeded will likely be needed. Maintenance will be per City of Albuquerque Specification 10123.1 and 10123.2.
Contractor must weed the basin during/after the first growing season.
Needs city inspection. Stormwater Quality Ordinance-final stabilization must be accepted by the City.

LANDSCAPE CALCULATIONS

TOTAL LOT AREA	19591
TOTAL BUILDING AREA (SF)	16015
TOTAL NET LOT AREA (SF)	103576.00
LANDSCAPE REQUIREMENT	15%
TOTAL LANDSCAPE REQUIRED	15536
TOTAL ON-SITE LANDSCAPE PROVIDED (SF)	34433
TOTAL VEGETATIVE COVERAGE REQUIRED (SF)	25825
TOTAL VEGETATIVE COVERAGE PROVIDED (SF)	39875
TOTAL GROUND VEGETATIVE COVERAGE REQUIRED (SF)	6456
TOTAL GROUND VEGETATIVE COVERAGE PROVIDED (SF)	9203

Parking Lot Landscaping

Parking Lot	126
One (1) tree per 10 parking spaces	
Tree Required	13
Tree Provided	14
75 percent of the required parking area shall be deciduous canopy-type shade trees	
deciduous Tree Required	10
deciduous Tree Provided	14



Mountain Rehab Hospital
Mountain Rd. / I-25

LANDSCAPE PLAN

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