

#### LEGEND

##### PROPOSED

- BOUNDARY LINE
- RIGHT OF WAY LINE
- LIMITS OF DISTURBANCE
- CONTOUR ELEVATIONS
- TEMPORARY SILT FENCE
- TEMPORARY PARKING AND STORAGE
- EXISTING CONTOURS
- PROPOSED CONTOURS

##### EROSION DETAILS

- CE TEMPORARY STONE CONSTRUCTION EXIT
- SF TEMPORARY SILT FENCE
- ST TEMPORARY SEDIMENT TRAP W/ EMERGENCY OVERFLOW
- IP INLET PROTECTION
- SS SWPPP SIGN
- W WATTLES

#### NATURE AND EXTENT OF CONSTRUCTION ACTIVITIES:

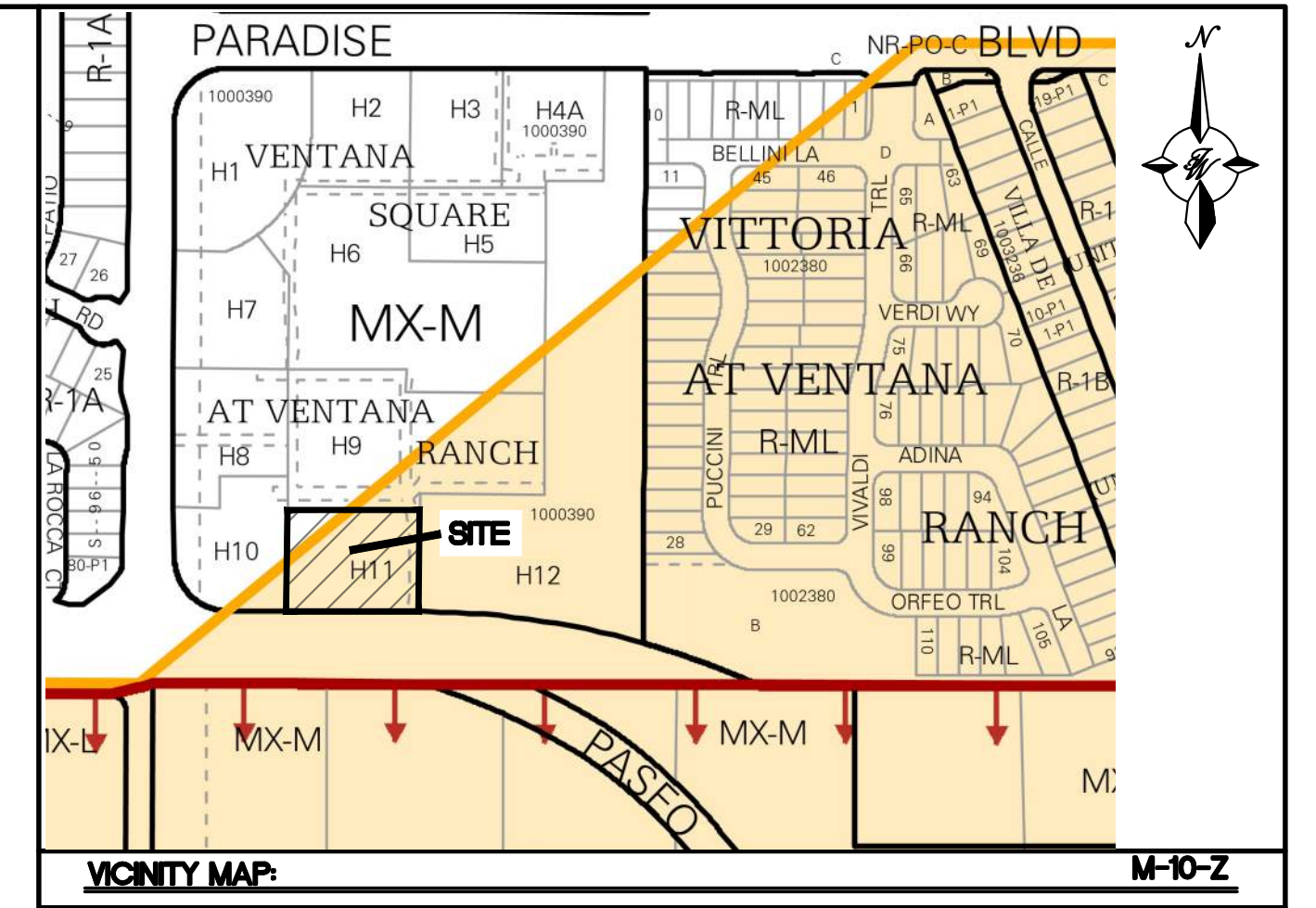
NATURE OF CONSTRUCTION ACTIVITIES: ROUGH/FINE GRADING OF THE SITE, INSTALLATION OF PRIVATE UTILITIES (WATER, SANITARY, & STORM), PAVING OF ONSITE PARKING, CURB, AND SIDEWALKS, AND CONSTRUCTION OF BUILDING.

PROPERTY SIZE: 1.09 ACRES

DISTURBED AREA SIZE: 1.09 ACRES

DESCRIPTION OF CONSTRUCTION SUPPORT ACTIVITIES: EQUIPMENT STAGING YARD, MATERIALS STORAGE AREA, EXCAVATED MATERIALS DISPOSAL/STORAGE AREAS.

MAXIMUM DISTURBED AREA SIZE: 1.09 ACRES



#### SEQUENCE OF CONSTRUCTION:

- ESTABLISH STABILIZED CONSTRUCTION ENTRANCE/EXIT.
- POST PUBLIC SWPPP NOTICE PER DETAIL.
- INSTALL PERIMETER SILT FENCING.
- CONTACT SWPPP COMPLIANCE INSPECTOR FOR APPROVAL OF BMP'S.
- CONSTRUCT TEMPORARY SEDIMENT BASIN. PROVIDE POSITIVE DRAINAGE TOWARDS TEMPORARY SEDIMENT BASIN FOR DURATION OF PROJECT.
- BEGIN GRUBBING AND MASS GRADING.
- BEGIN UNDERGROUND UTILITIES INFRASTRUCTURE.
- CONSTRUCT BUILDING.
- INSTALL ONSITE ROADWAY PAVING AND FLAT WORK.
- INSTALL LANDSCAPING.
- REMOVE SEDIMENT TRAP AND PLACE ADDITIONAL SILT FENCE TO KEEP SEDIMENT OUT OF THE ONSITE ROADWAY PAVING.
- PROVIDE TEMPORARY/PERMANENT STABILIZATION MEASURES AS AREAS ARE COMPLETED OR LEFT INACTIVE FOR 14 DAYS.
- CONTACT SWPPP COMPLIANCE INSPECTOR OF APPROVAL TO FILE NOTICE OF TERMINATION (NOT).

#### NOTE:

CHAIN LINK SECURITY FENCING W/SILT FENCE ATTACHED MAY BE USED AS AN ALTERNATIVE TO PERIMETER SILT DIKE, WATTLES OR SILT FENCING

#### SWPPP PURPOSE:

##### GROUND COVER (PRE-CONSTRUCTION):

THE SITE IS COVERED BY ASPHALTIC PAVING AND THE UNDISTURBED NATURAL STATE IN UNCOMPACTED SOIL WITH 30% COVER BY NATIVE GRASSES AND SHRUBS

#### STORMWATER TEAM MEMBERS:

SEDIMENT REMOVAL NAME: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
EMAIL: \_\_\_\_\_  
BMP MAINTENANCE NAME: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
EMAIL: \_\_\_\_\_  
INSPECTIONS NAME: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
EMAIL: \_\_\_\_\_

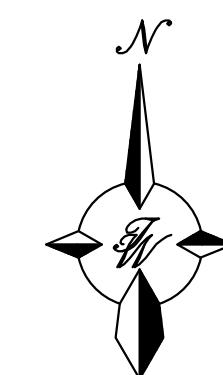
#### LIST OF OPERATORS:

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.

Bernalillo County and Parts of Sandoval and Valencia Counties, New Mexico												
Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter	Erosion factors	Wind erodibility group	Wind erodibility index
	In	Pct	Pct	Pct	g/cc	micro m/sec	In/In	Pct	Pct	Kw Kf T		
AmB—Alemeda sandy loam, 0 to 5 percent slopes	0-4	-67-	-19-	10-14- 18	1.45- 1.50-1.55	14.11-28.23- 42.34	0.11-0.12- 0.13	0.0- 1.5- 2.9	0.4- 0.6- 0.8	.24 .24 2	3	86
	4-13	-67-	-15-	15-18- 25	1.35- 1.40-1.45	4.23-9.17-14.11	0.13-0.14- 0.15	0.0- 1.5- 2.9	0.2- 0.3- 0.4	.32 .32		
	13-26	-42-	-38-	15-20- 25	1.35- 1.40-1.45	4.23-9.17-14.11	0.06-0.07- 0.08	0.0- 1.5- 2.9	0.1- 0.2- 0.3	.15 .43		
	26-30	—	—	—	—	0.00-0.00-0.00	—	—	—			
Akela	0-7	-68-	-24-	5-9- 12	1.25- 1.35-1.45	4.23-9.17-14.11	0.04-0.07- 0.09	0.0- 1.5- 2.9	0.5- 0.8- 1.0	.10 .28 1	5	56
	7-15	-70-	-22-	6-8- 10	1.30- 1.40-1.50	4.23-9.17-14.11	0.04-0.07- 0.09	0.0- 1.5- 2.9	0.0- 0.3- 0.5	.17 .28		
	15-19	—	—	—	—	—	—	—	—			
Basalt outcrop	0-60	—	—	—	—	—	—	—	—			
	0-4	-71-	-17-	10-13- 15	1.45- 1.50-1.55	14.11-28.23- 42.34	0.13-0.14- 0.15	0.0- 1.5- 2.9	0.4- 0.6- 0.7	.28 .28 5	3	86
	4-21	-60-	-18-	18-22- 25	1.20- 1.25-1.30	4.23-9.17-14.11	0.14-0.15- 0.16	3.0- 4.5- 5.9	—	.32 .32		
	21-60	-41-	-37-	18-22- 25	1.45- 1.50-1.55	4.23-9.17-14.11	0.14-0.15- 0.16	0.0- 1.5- 2.9	—	.32 .32		
Wink	0-4	-71-	-17-	8-13- 18	1.35- 1.45-1.55	14.11-28.23- 42.34	0.10-0.12- 0.14	0.0- 1.5- 2.9	0.0- 0.3- 0.5	.20 .20 3	3	86
	4-60	-71-	-17-	8-13- 18	1.35- 1.45-1.55	14.11-28.23- 42.34	0.10-0.13- 0.15	0.0- 1.5- 2.9	0.0- 0.3- 0.5	.20 .28		



#### GRAPHIC SCALE



#### GROUND COVER (PRE-CONSTRUCTION):

THE UNDISTURBED AND PRE-CONSTRUCTION GROUND COVER CONSISTS OF UNCOMPACTED SOIL WITH NATIVE GRASSES, WEEDS, AND SHRUBS WITH MINIMAL DISTURBANCES TO GRADING.

	<b>AUTOZONE #9260</b>	DRAWN BY RMG
	<b>PASEO DEL NORTE &amp; UNIVERSE BLVD</b>	DATE 12/10/2024
	<b>EROSION CONTROL PLAN</b>	2020074_ECP
	 <b>TIERRA WEST, LLC</b> 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505) 858-3100 www.tierrowestllc.com	SHEET # <b>ECP-1</b> JOB # 2020074



ESC PLAN STANDARD NOTES:

- 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:
  - THE CITY ORDINANCE § 14-5-2-11, THE ESC ORDINANCE,
  - THE EPA'S 2022 CONSTRUCTION GENERAL PERMIT (CGP), AND
  - THE CITY OF ALBUQUERQUE CONSTRUCTION BMP MANUAL.
- 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.
- SELF-INSPECTIONS – IN ACCORDANCE WITH CITY ORDINANCE § 14-5-2-11(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.
- 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.
- 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.
- WHEN DOING WORK IN THE CITY RIGHT-OF-WAY (E.G. SIDEWALK, DRIVE PADS, UTILITIES, ETC.) PREVENT DIRT FROM GETTING INTO THE STREET. IF DIRT IS PRESENT IN THE STREET, THE STREET SHOULD BE SWEEP DAILY OR PRIOR TO A RAIN EVENT OR CONTRACTOR INDUCED WATER EVENT (E.G. CURB CUT OR WATER TEST).
- WHEN INSTALLING UTILITIES BEHIND THE CURB, THE EXCAVATED DIRT SHOULD NOT BE PLACED IN THE STREET.
- 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 WATTLE OR MULCH 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.
- 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.

GENERAL EROSION NOTES:

- THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IS COMPRISED OF THE SWPPP BOOK, THE 2017 GENERAL CONSTRUCTION PERMIT, THIS DRAWING ("TEMPORARY EROSION CONTROL AND SEDIMENTATION PLAN"), STANDARD DETAILS ("TEMPORARY EROSION CONTROL AND SEDIMENTATION DETAILS"), EPA NOTICE OF INTENT PERMIT AND ALL SUBSEQUENT REPORTS, CORRECTIVE ACTIONS AND EROSION CONTROL RELATED DOCUMENTS.
- ALL OPERATORS AS DESIGNATED, CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH SITE ACTIVITIES RELATED TO STORM WATER POLLUTION PREVENTION SHALL REVIEW A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP), THE 2017 CONSTRUCTION GENERAL PERMIT, THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES), THE CLEAN WATER ACT OF 1972 AND BECOME FAMILIAR WITH THEIR CONTENTS.
- 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.
- 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.
- 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 REPAIRED, RELOCATED OR REMOVED BY NOTING ON THE PLAN THE AREAS AND DATES OF THE REPAIRS, 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.
- CONTRACTOR SHALL MINIMIZE CLEARING AND EARTH DISTURBANCE TO THE MAXIMUM ACREAGE AS REQUIRED BY THE EPA CONSTRUCTION GENERAL PERMIT.
- 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.
- ALL WASH OUT WATER USED FOR CONCRETE, MASONRY, PAINT AND OTHER MATERIALS SHALL HAVE ADEQUATE SIGNAGE WITH PROPER CONTAINMENT 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.
- A SPILL KIT SHALL BE READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS. A DISCHARGE OF ANY MATERIAL IN ANY MANNER THAT MAY WITHIN REASONABLE PROBABILITY CAUSE INJURY OR BE DETRIMENTAL TO HUMAN HEALTH, ANIMAL OR PLANT 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.
- 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.
- RUBBISH, TRASH, GARBAGE, LITTER, 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.
- ALL STORM WATER POLLUTION PREVENTION MEASURES AND CONTROLS PRESENTED ON THIS PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE INITIATED PER THE SEQUENCE OF CONSTRUCTION AS NOTED.
- DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS BEEN TEMPORARILY SUSPENDED FOR 14 DAYS, SHALL HAVE TEMPORARILY STABILIZATION IN PLACE NO LATER THAN 14 DAYS FROM THE LAST DATE OF CONSTRUCTION ACTIVITY OCCURRING THESE AREAS.
- TEMPORARY COVER AND FINAL STABILIZATION (PART 2.2.12 (a) and (b) RESPECTIVELY ARE TO BE PER COA STD SPEC 1012 NATIVE SEED WITH HYDROMULCH AND AGGREGATE MULCH (2-4") RESPECTIVELY.
- IF THE ACTION OF VEHICLES OR EQUIPMENTS TRAVELING OVER THE CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD FROM LEAVING THE SITE, THEN THE LENGTH 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.
- ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- 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.
- 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.
- 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.
- 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.
- 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 OTHER SURFACE CONTROLS, TRACK OUT SWEEP CLEAN, BACKFILL OF OPEN TRENCHES AND ANY OTHER EROSION CONTROLS.

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:

- 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.
- 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.
- 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.
- 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.
- 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%.
- 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.

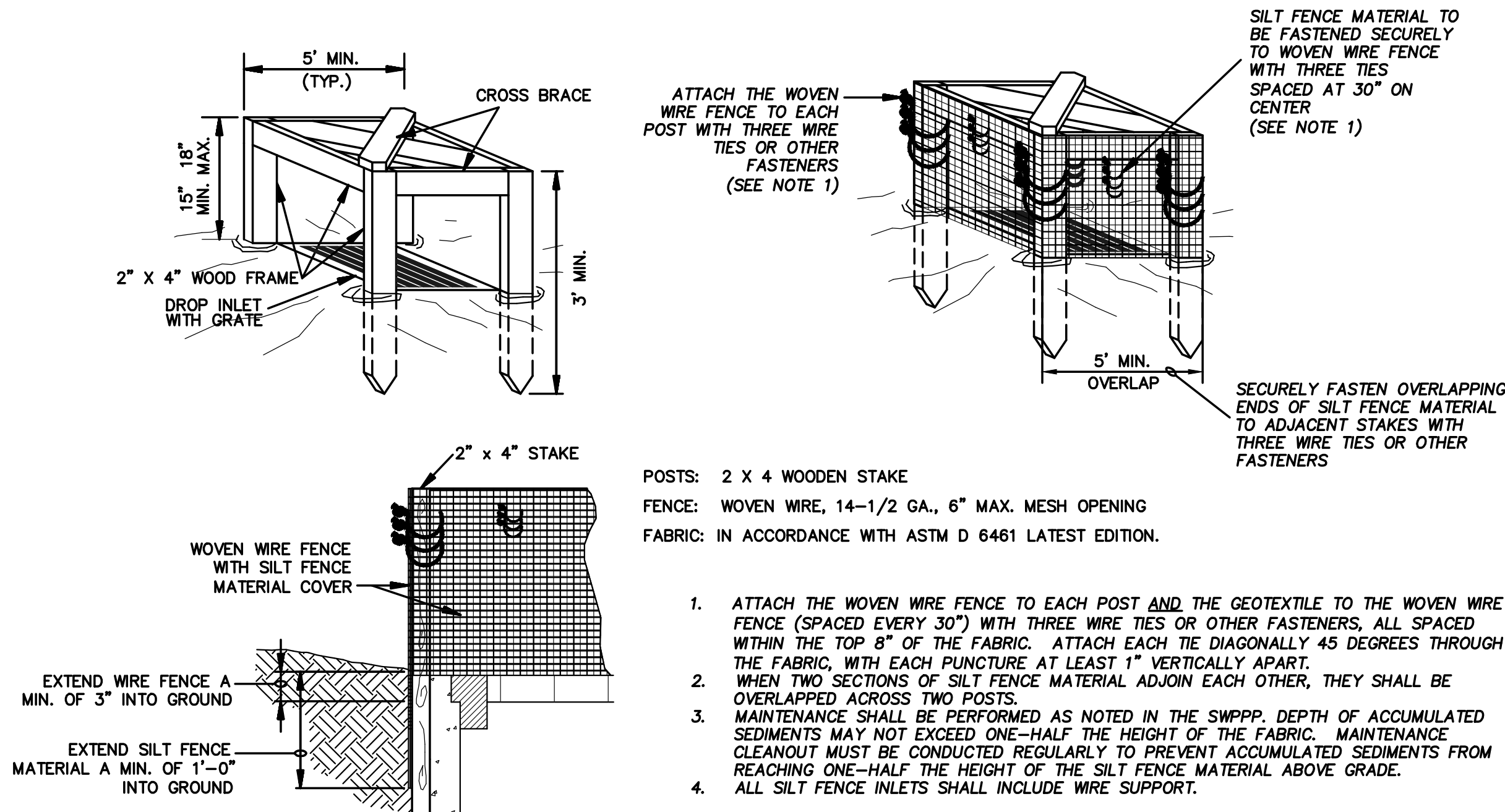
EROSION CONTROL NOTES:

- CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT FROM THE LOCAL JURISDICTIONAL AUTHORITY PRIOR TO BEGINNING WORK.
- THE OPERATOR WITH CONTROL OF THE DAILY SITES ACTIVITIES IS RESPONSIBLE FOR MAINTAINING RUN-OFF and RUN ON OF SITE DURING CONSTRUCTION.
- 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.
- ALL EXPOSED EARTH SURFACES MUST HAVE APPROPRIATE CONTROLS TO PROTECT FROM WIND AND WATER EROSION DURING ALL PHASES OF THE PROJECT.
- STOCKPILES INACTIVE FOR 14 DAYS ARE REQUIRED TO HAVE TEMPORARY STABILIZATION OR APPROPRIATE COVER TO CONTROL WIND AND WATER EROSION.
- 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.
- 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.

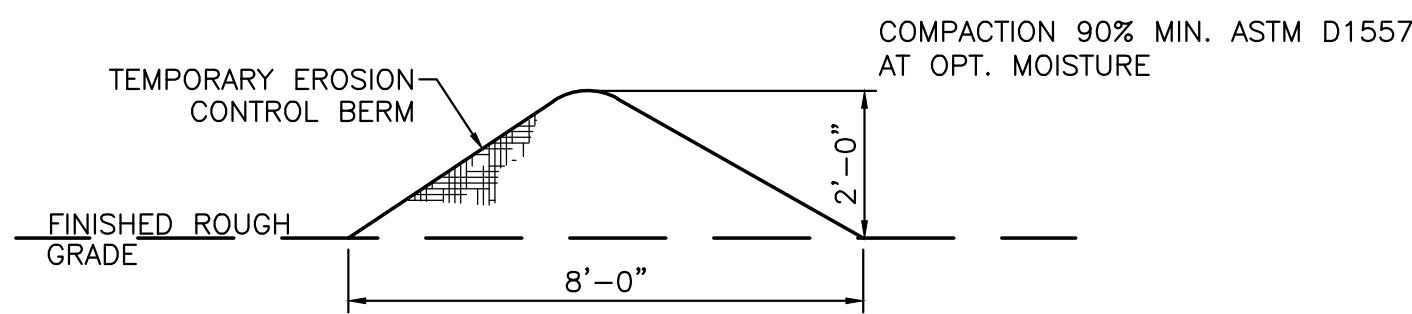
GENERAL NOTES:

- PROVIDE POSITIVE DRAINAGE TOWARDS SEDIMENT TRAPS DURING GRADING OPERATIONS.
- INSTALL WATTLES ALONG LINEAR CONSTRUCTION OF SD
- PROVIDE POSITIVE DRAINAGE TO TEMPORARY SEDIMENT BASIN DURING ALL GRADING ACTIVITIES
- OFFSITE GRADING AND ROADWAY IMPROVEMENTS ARE TO BE COMPLETED BY OTHERS. COORDINATION OF OFFSITE BMP'S WITH PROPOSED ONSITE BMP'S SHALL BE REQUIRED BY THE CONTRACTOR(S)

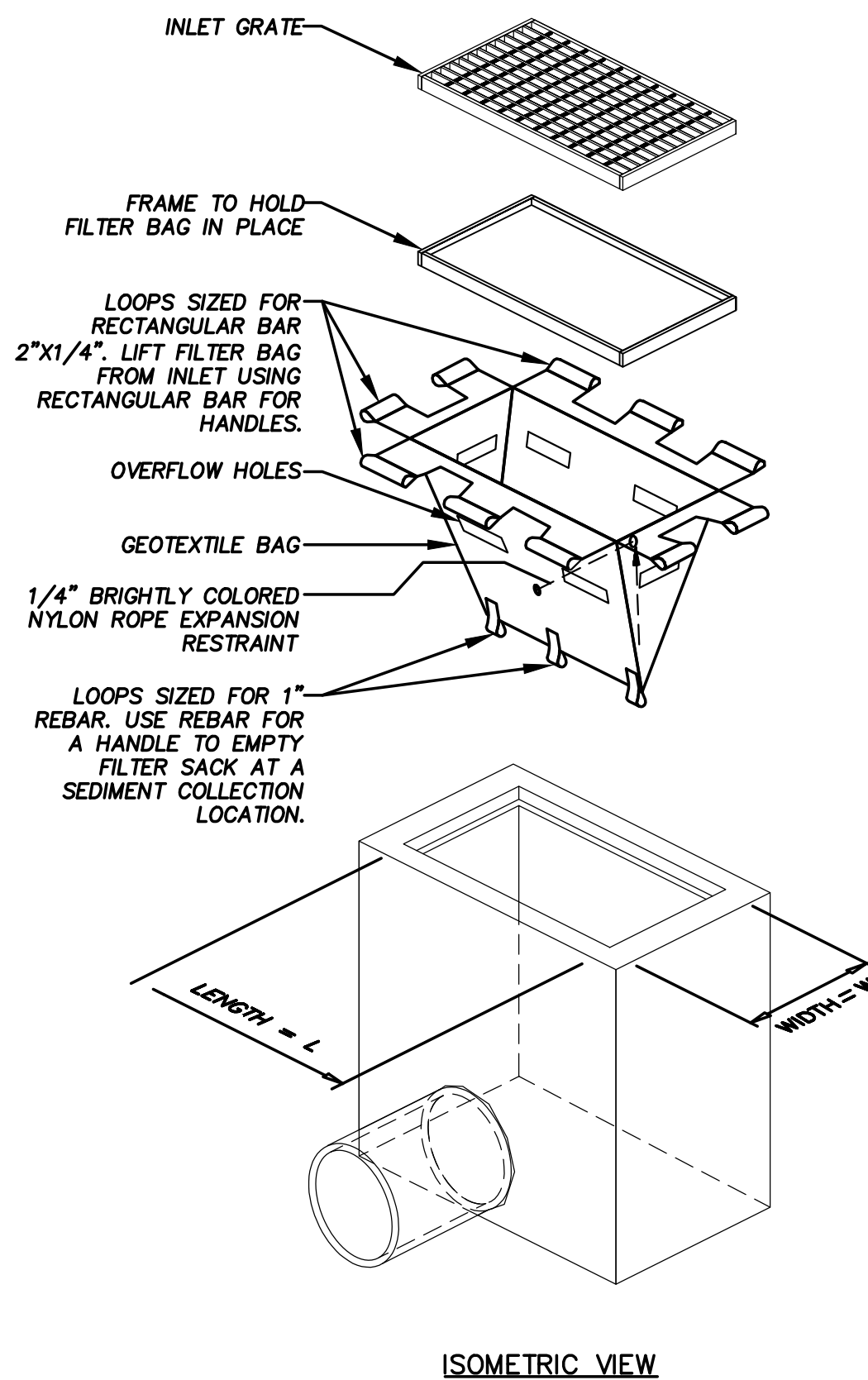
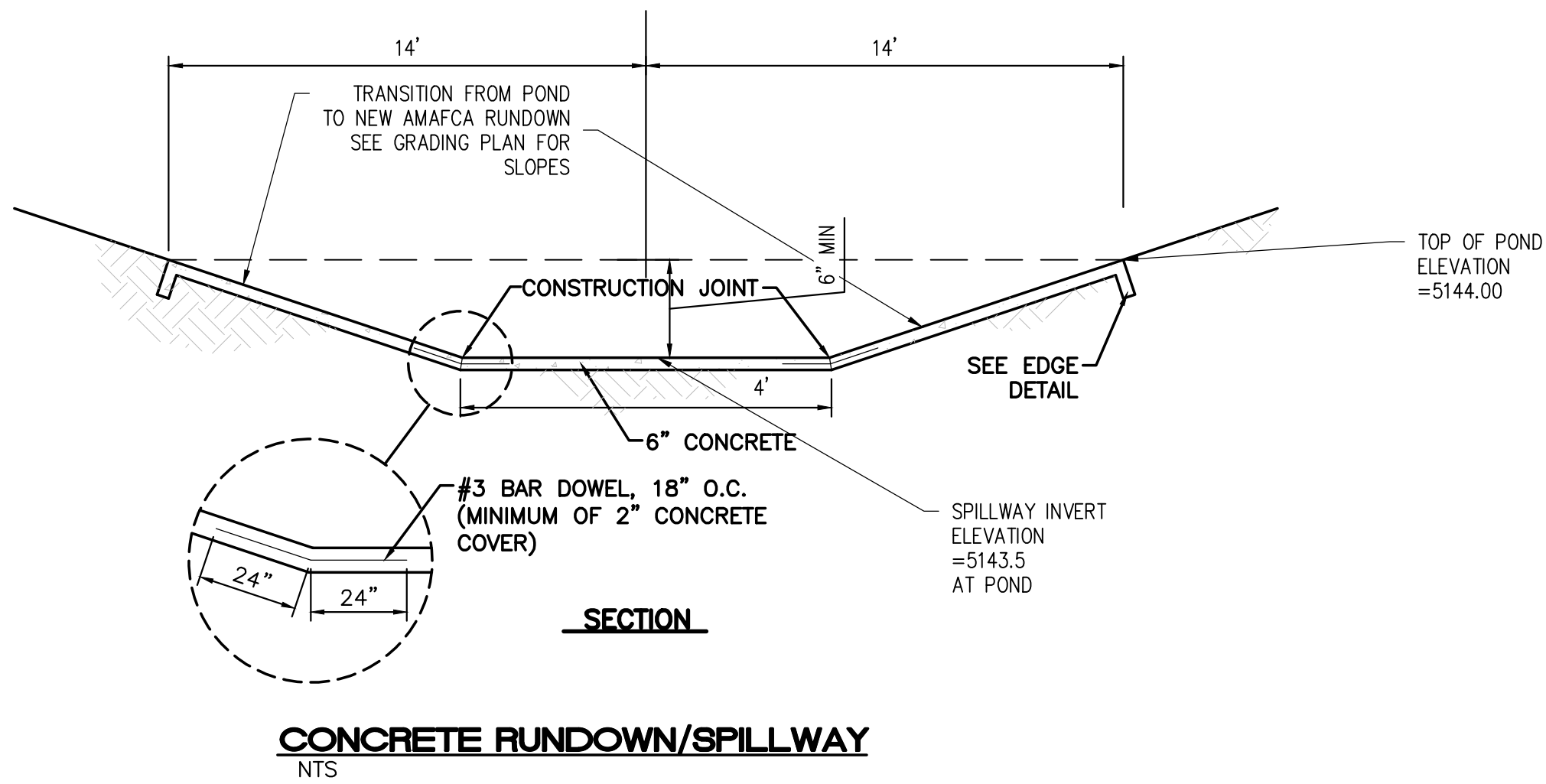
<div><div>ENGINEER'S SEAL</div><div><div><div><div><div><span></span></div><div>RONALD R. BOHANNAN</div></div><div><div><div></div></div><div><div>NEW MEXICO</div><div>7868</div></div><div><div>PROFESSIONAL ENGINEER</div></div></div></div><div><div><div><div></div></div><div>12/10/2024</div></div><div><div>RONALD R. BOHANNAN</div><div>P.E. #7868</div></div></div></div></div></div>	AUTOZONE #9260	DRAWN BY RMG
	PASEO DEL NORTE & UNIVERSE BLVD	DATE 12/10/2024
	EROSION CONTROL PLAN	2020074_ECP
	<div><div><div></div></div><div><div>TIERRA WEST, LLC</div><div>5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505) 858-3100 www.tierrowestllc.com</div></div></div>	SHEET # <b>EC-2</b>
		JOB # 2020074



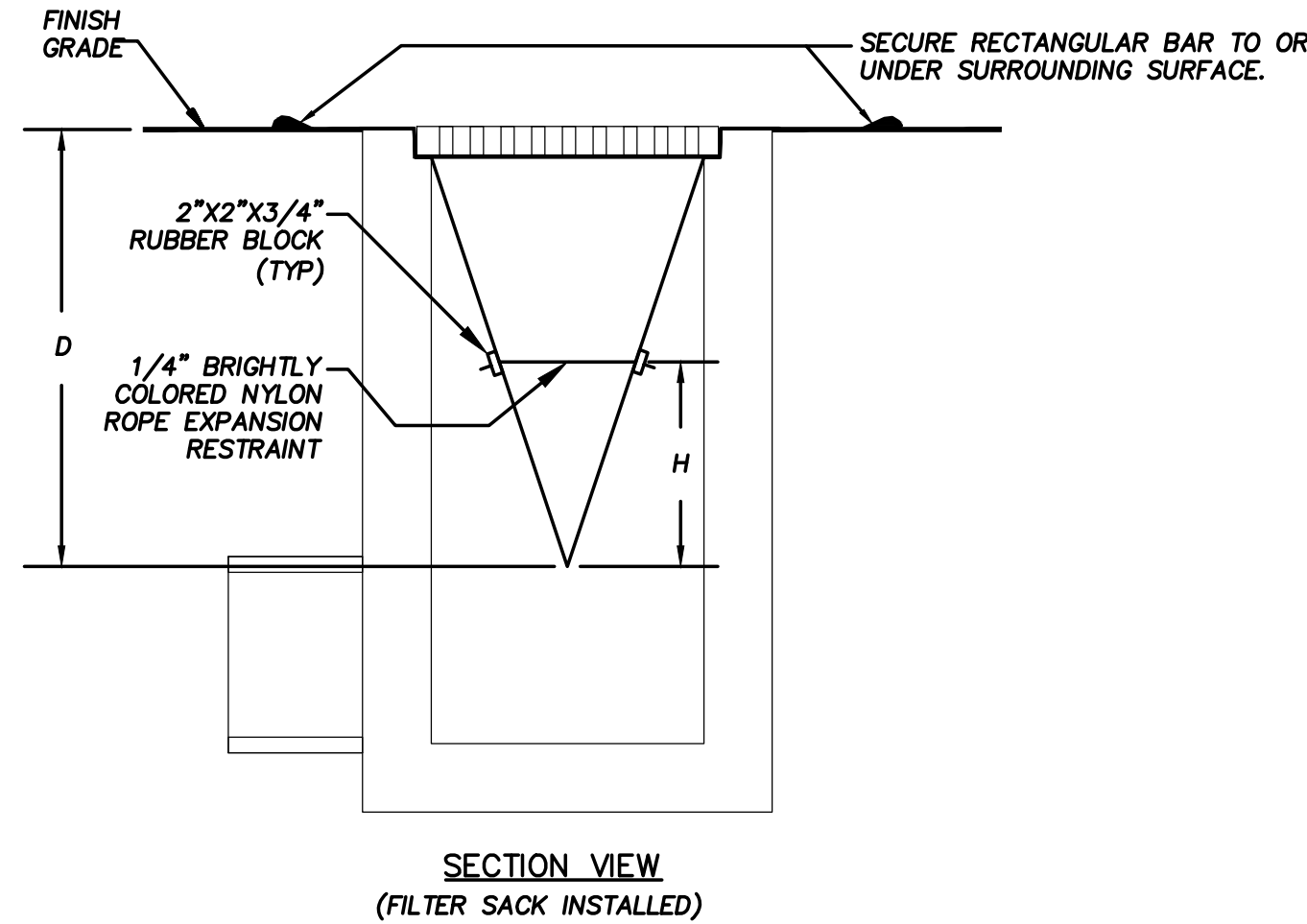
SILT FENCE INLET PROTECTION  
N.T.S. IP6



EROSION CONTROL BERM DETAIL  
N.T.S.



ISOMETRIC VIEW

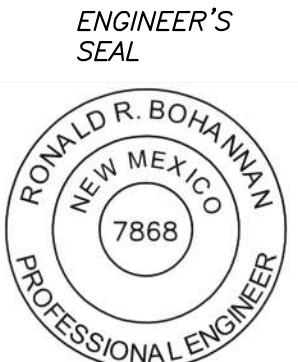


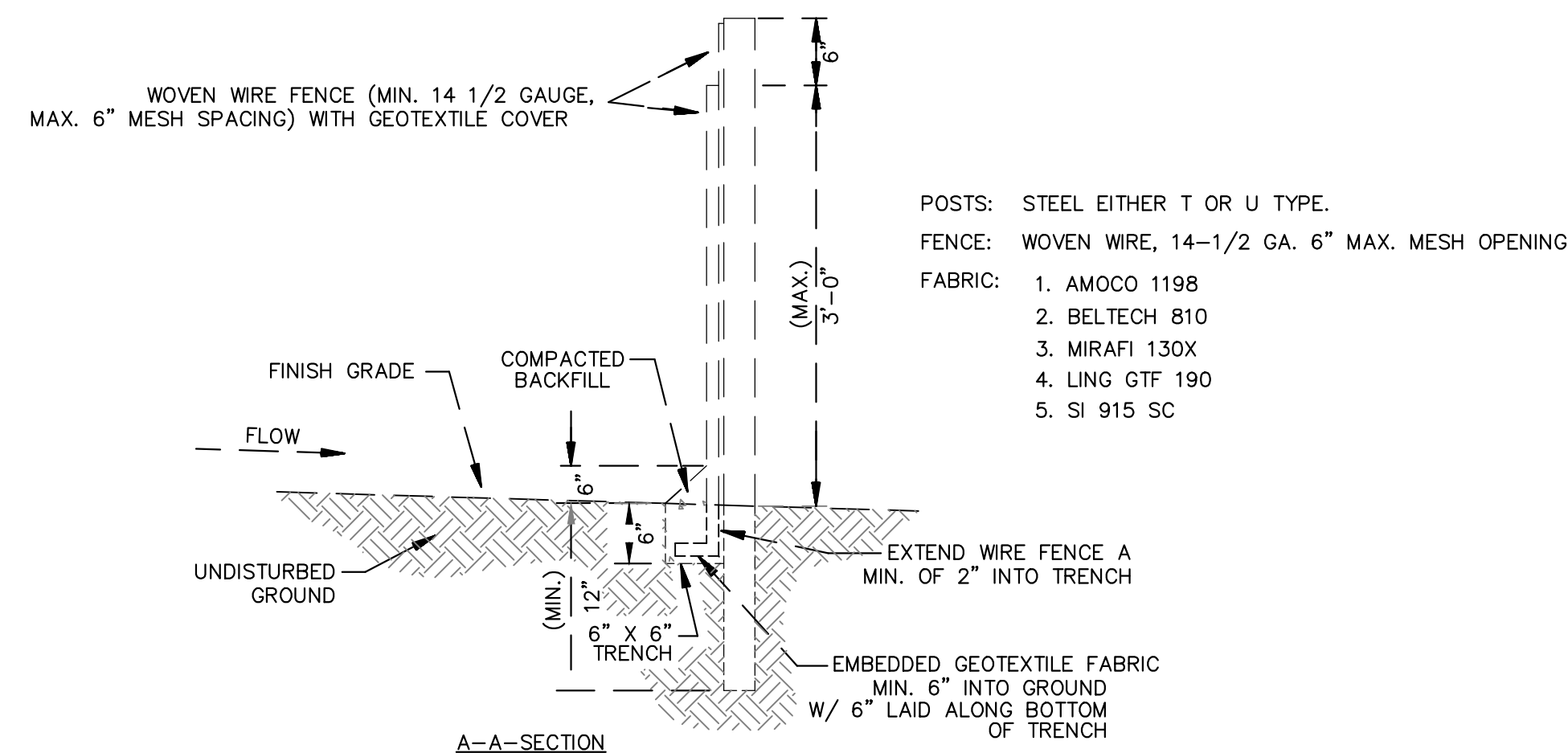
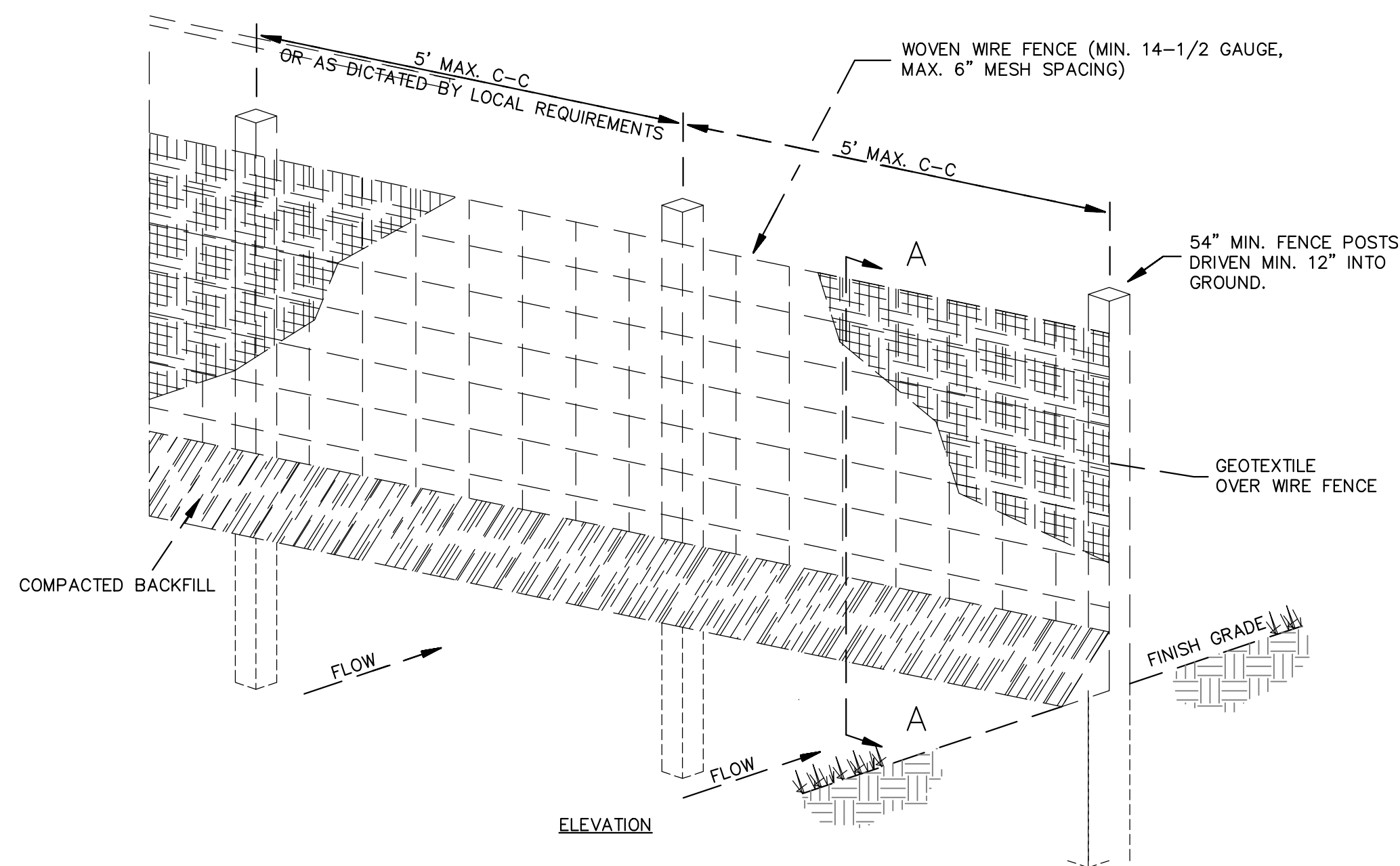
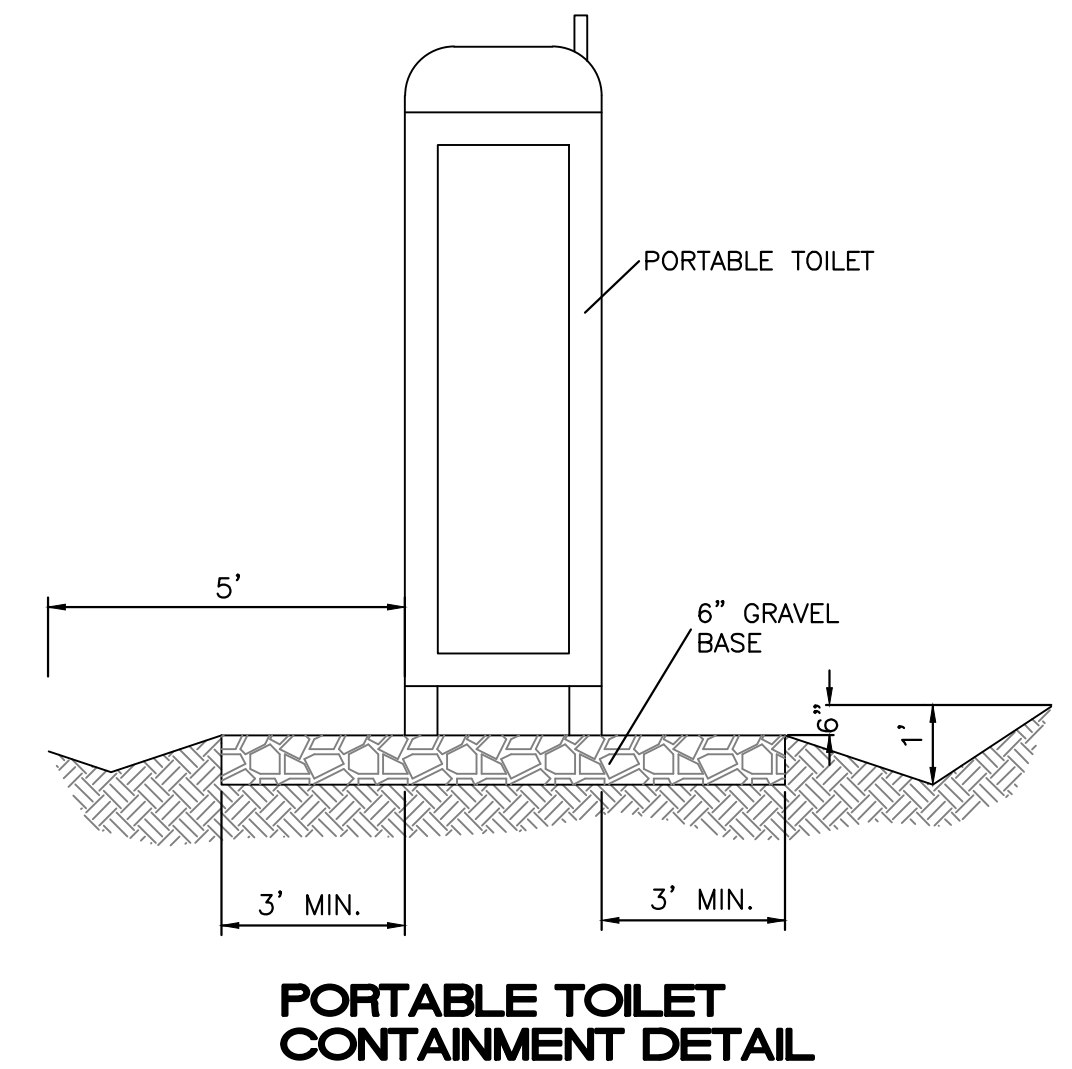
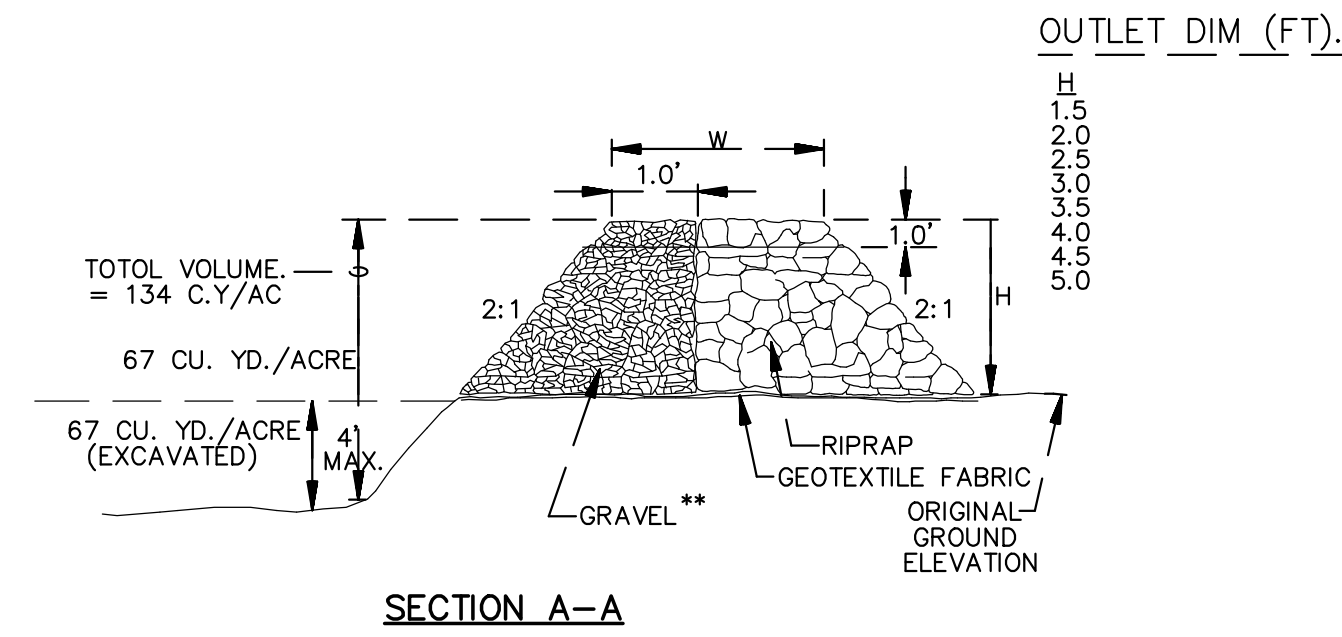
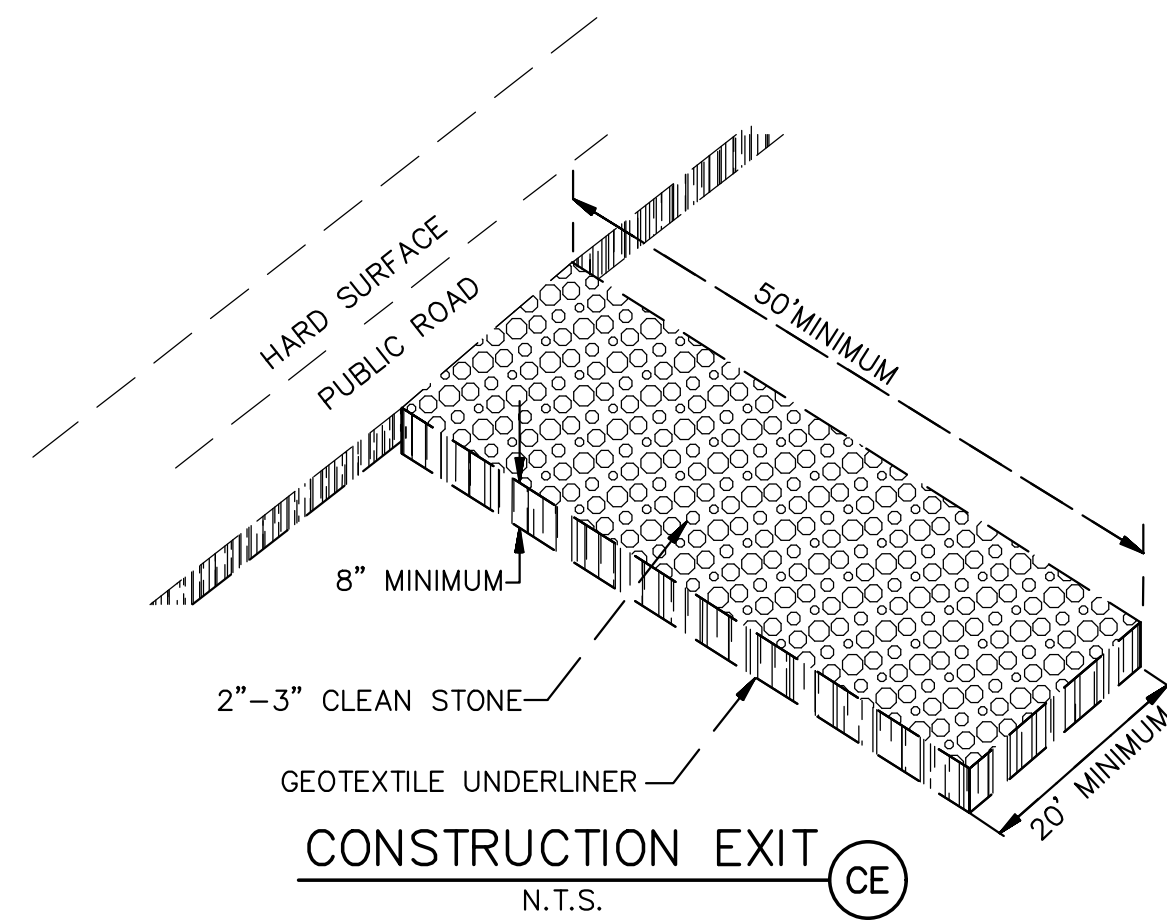
- NOTES:
- GEOTEXTILE SHALL BE A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS REQUIREMENTS IN THE SPECIFICATIONS TABLE.
  - PLACE AN OIL ABSORBENT PAD OR PILLOW OVER INLET GRATE WHEN OIL SPILLS ARE A CONCERN.
  - THE WIDTH, "W", OF THE FILTER SACK SHALL MATCH THE INSIDE WIDTH OF THE GRATED INLET BOX.
  - THE DEPTH, "D", OF THE FILTER SACK SHALL BE BETWEEN 18 INCHES AND 36 INCHES.
  - THE LENGTH, "L", OF THE FILTER SACK SHALL MATCH THE INSIDE LENGTH OF THE GRATED INLET BOX.
- MAINTENANCE NOTES:
- 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.
  - 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.
  - INLET PROTECTION DEVICES SHALL BE INSPECTED FOR UNINTENDED BYPASS OR IMPROPER FLOW-RATES THAT MAY CAUSE DOWNSTREAM FLOODING.
  - 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.
  - 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

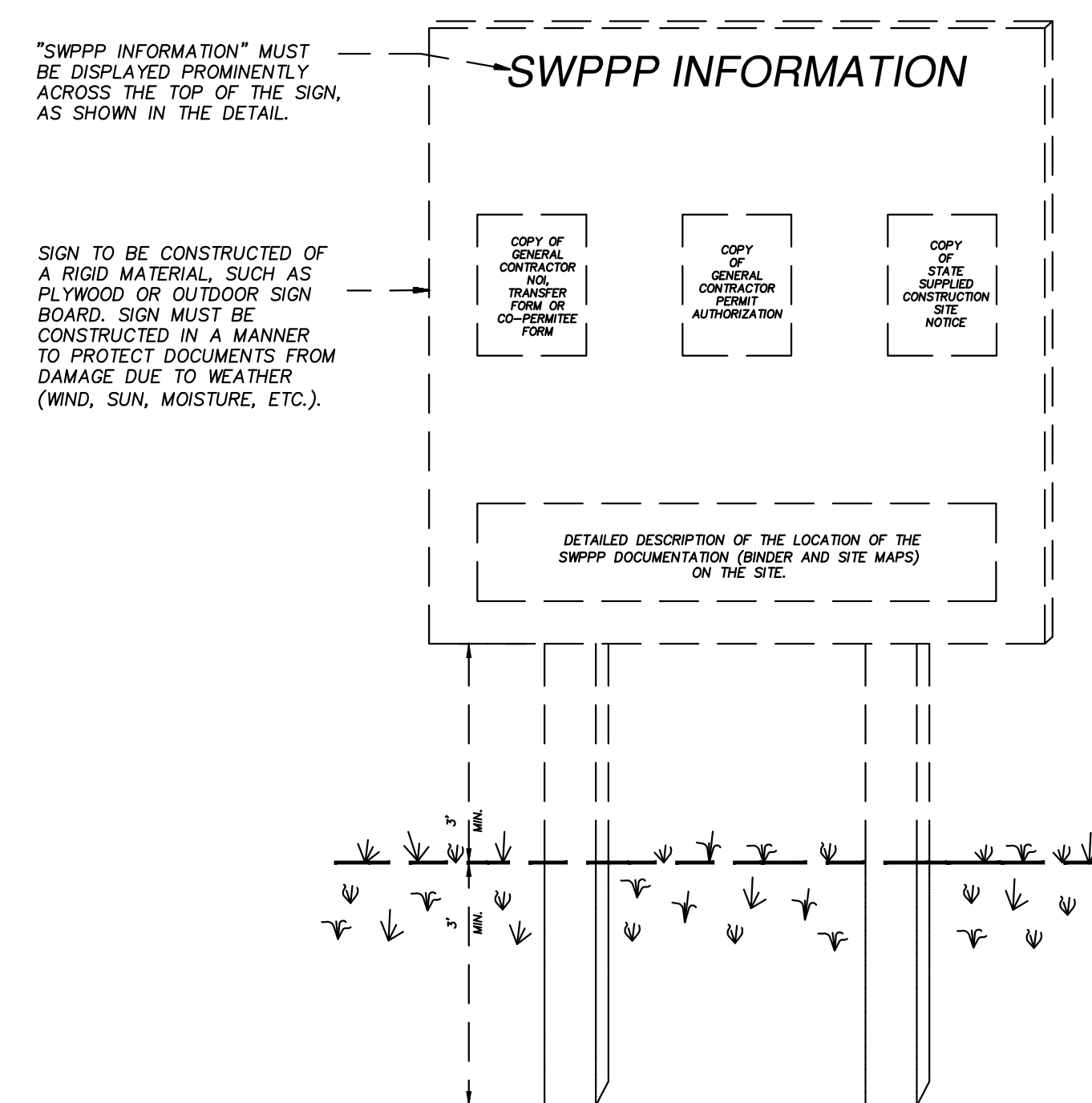
IP5 INLET PROTECTION FILTER SACK  
N.T.S.  
FOR USE ONLY IN PAVED AREAS WHERE SEDIMENT LOADS ARE EXPECTED TO BE VERY LOW. FILTER SACK MUST HAVE OVERFLOW HOLES TO PREVENT PONDING.

 RONALD R. BOHANNAN P.E. #7868	ENGINEER'S SEAL	AUTOZONE #9260 PASEO DEL NORTE & UNIVERSE BLVD	DRAWN BY RMG
			DATE 12/10/2024
		EROSION CONTROL PLAN	2020074_ECP
		 <b>TERRA WEST, LLC</b> 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505) 858-3100 www.tierrawestllc.com	SHEET # <b>EC-3</b> JOB # 2020074



- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES.
- GEOTEXTILE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- WHEN TWO SECTIONS OF GEOTEXTILE ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
- MAINTENANCE SHALL BE PERFORMED AS NOTED IN THE EROSION CONTROL PLAN. COLLECTED MATERIAL SHALL BE REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
- ALL SILT FENCE SHALL INCLUDE WIRE SUPPORT UNLESS INDICATED OTHERWISE

SEDIMENTATION/SILT FENCE WITH WIRE SUPPORT (SF)  
N.T.S.

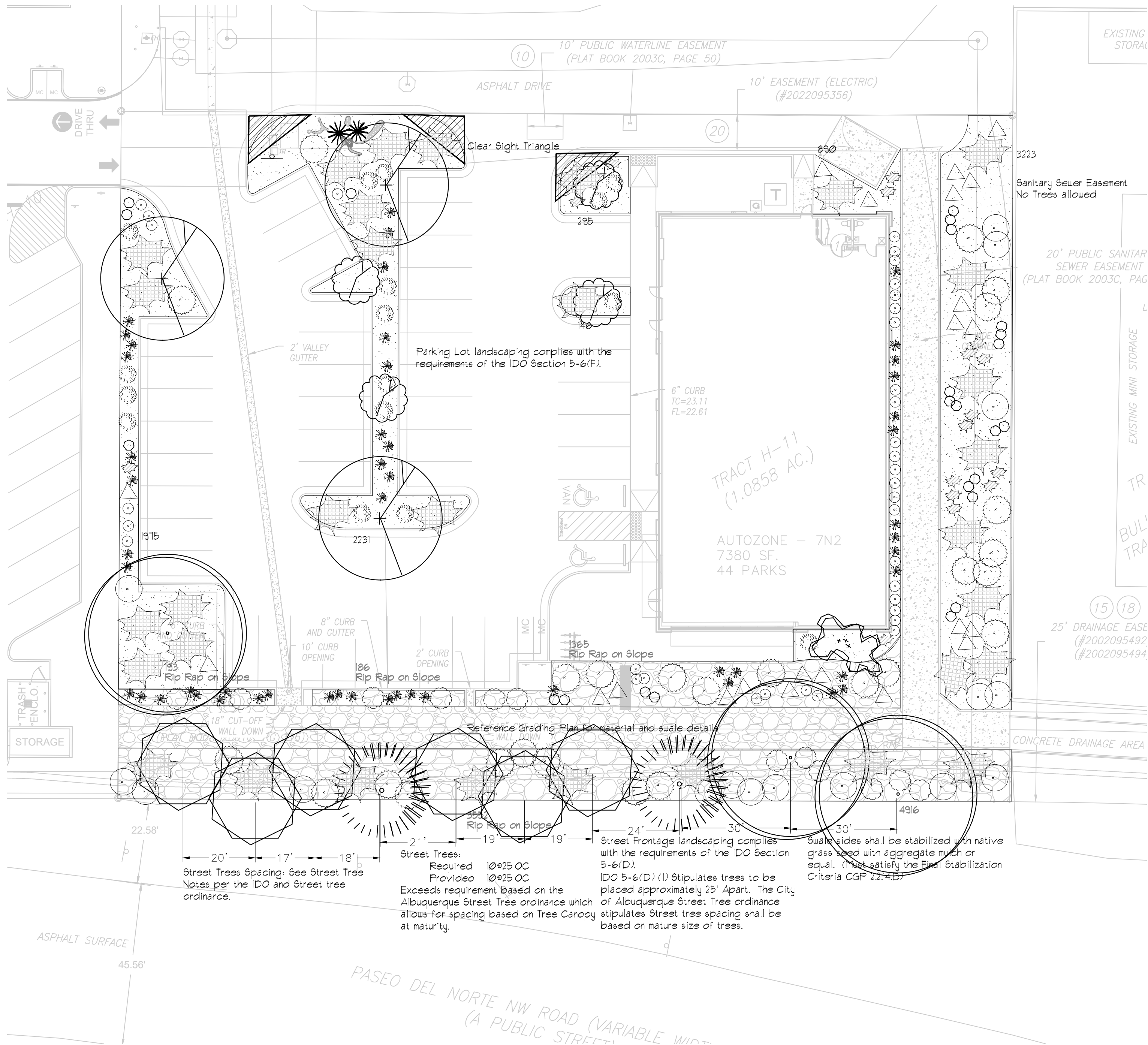


- NOTES:
- THE SWPPP INFORMATION SIGN MUST BE LOCATED NEAR THE CONSTRUCTION EXIT OF THE SITE, SUCH THAT IT IS ACCESSIBLE AND VIEWABLE BY THE GENERAL PUBLIC, BUT NOT OBSTRUCTING VIEWS AS TO CAUSE A SAFETY HAZARD.
  - ALL POSTED DOCUMENTS MUST BE MAINTAINED IN A CLEARLY READABLE CONDITION AT ALL TIMES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

SWPPP INFORMATION SIGN (SF)  
N.T.S.

ENGINEER'S SEAL		
RONALD R. BOHANNAN NEW MEXICO 7868 PROFESSIONAL ENGINEER 12/10/2024 RONALD R. BOHANNAN P.E. #7868	AUTOZONE #9260	DRAWN BY RMG
	PASEO DEL NORTE & UNIVERSE BLVD	DATE 12/10/2024
TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505) 858-3100 www.tierrawestllc.com	EROSION CONTROL PLAN	2020074_ECP
		SHEET # EC-4
		JOB # 2020074





LANDSCAPE LEGEND					H2O USE
QTY	SIZE	COMMON/BOTANICAL			
Trees					
3	2" cal	Chinese Pistache <i>Pistacia chinensis</i>	60x60	2826	8478 M
3	2" cal	Honey Locust <i>Gleditsia triacanthos</i>	50x45	1520	4710 M
2	6 - 8'	Austrian Pine <i>Pinus nigra</i>	35x25	491	982 M
1	15 Gal	Crape Myrtle <i>Lagerstroemia indica</i>	15x15	171	171 M
2	4 - 6'	Palm Yucca <i>Yucca faxoniana</i>	15x6	28	56 M
Note: Install 3 Boulders and 150sf cobble accent					
4	15 Gal	Oklahoma Redbud <i>Cercis reniformis</i>	15x12	113	452 M
6	15 Gal	Desert Willow <i>Chilopsis linearis</i>	20x25	491	2946 M
Total Tree Coverage 17861					
Shrubs & Groundcovers					
16	5 Gal	India Hawthorne <i>Raphiolepis indica</i>	3x5	20	320 M
51	1 Gal	Karl Foerster Grass <i>Calamagrostis acutiflora</i>	25x2	314	160 M
22	5 Gal	Butterfly Bush <i>Buddleia davidii</i>	5x5	20	440 M
32	5 Gal	Buffalo Juniper <i>Juniperus sabina</i>	1x8	50	1600 M
35	5 Gal	Blue Mist <i>Caryopteris x clandonensis</i>	3x3	107	247 M
24	1 Gal	Autumn Sage <i>Salvia greggii</i>	2x3	107	170 M
12	5 Gal	Fern Bush <i>Chamaebatiaria millefolium</i>	5x6	28	336 L
26	5 Gal	Apache Plume <i>Fallugia paradoxa</i>	6x7	38	988 L
16	5 Gal	Chamisa <i>Chrysothamnus nauseosus</i>	5x7	38	608 L
16	5 Gal	Knock Out Roses <i>Rosa 'Knock Out'</i>	3x4	13	208 L
250		Total Shrub Coverage			5071
35	2-3cf	Boulders	To be placed at contractor discretion		
8760		Landscape Gravel / Filter Fabric	3/4" Buildology Brown		
10212		Submit samples of gravel and cobble for approval	Oversize Landscape Gravel / No Filter Fabric		
		2-4" Valley Gold Rip Rap on Slopes	6" depth		
		Submit samples of gravel and cobble for approval	Wood Mulch <u>No Fabric</u>		
47885		Submit samples of wood mulch for approval	Total Landscape Area Provided		
0		Organic Mulch 25% Required	Note, Each Tree, min, 5' rad. 78.5sf		
		21 Trees x 78.5 sf = 1648.5	Note, Each Shrub, min, 2' rad. 12.56		
		250 Shrubs x 12.56 sf = 3140	See Tree Detail, a 5' radius of wood mulch is require around each tree w/out Filter Fabric		
		Total Mulch Provided 4783	Total Mulch Required 4743		

NOTE: Wood mulch is only used as a requirement of the City of Albuquerque, IDO. Wood mulch will need to be refreshed often as it is washed, and blown away and will result in a negative impact on the health of the plant material. Additionally, historically, wood mulch in commercial applications has clogged storm sewers creating damage to commercial properties, lawsuits, and damages assessed to landscape architects and contractors. Designer assumes no responsibility for flooding or erosion as the result of the use of Wood Mulch as required by the City of Albuquerque.

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

It is the intent of this plan to comply with the City Of Albuquerque Water Conservation Landscaping and Water Waste Ordinance, planting restriction approach. Approval of this plan does not constitute or imply exemption from water waste provisions of the Water Conservation Landscaping and Water Waste Ordinance.

Water management is the sole responsibility of the Property Owner. All landscaping will be in conformance with the City of Albuquerque Zoning Code, Street Tree Ordinance, Pollen Ordinance, and Water Conservation Landscaping and Water Waste Ordinance. In general, water conservative, environmentally sound landscape principles will be followed in design and installation.

Brown Landscape Gravel over Filter Fabric to a minimum depth of 3" shall be placed in all landscape areas unless otherwise designated.

Place organic mulch around trees per IDO 5-6(C) (5) (e).

IRRIGATION NOTES:  
Irrigation shall be a complete underground system with Trees to receive 1 Netafim spiral (50' length) with 3 loops at a final radius of 4.5' from tree trunk, pinned in place. Netafim shall have emitters 12" o.c. with a flow of 6 gph. Shrubs to receive (2) 1/2 GPH Drip Emitters. Drip and Bubbler systems to be tied to 1/2" poly pipe with flush caps at each end. Trees and shrubs shall be on separate valves.

Run time per each shrub drip valve will be approximately 15 minutes per day. Tree drip valve shall run 15 hours, 3 times per week. Run time will be adjusted according to the season.

Point of connection for Irrigation system is unknown at current time and will be coordinated in the field. Irrigation will be operated by automatic controller.

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.

### LANDSCAPE CALCULATIONS

TOTAL LOT AREA (sf)	47346
TOTAL BUILDING AREA (sf)	-1380
TOTAL LOT AREA (sf)	39966
LANDSCAPE REQUIREMENT	X .15
TOTAL LANDSCAPE REQUIRED (15%)	5995

TOTAL ON-SITE LANDSCAPE PROVIDED	18912
TOTAL LIVE GROUND COVER REQUIRED	4743
TOTAL LIVE GROUND COVER PROVIDED	5071
TOTAL LIVE PLANT COVER REQUIRED	14229
TOTAL LIVE PLANT COVER PROVIDED	22938

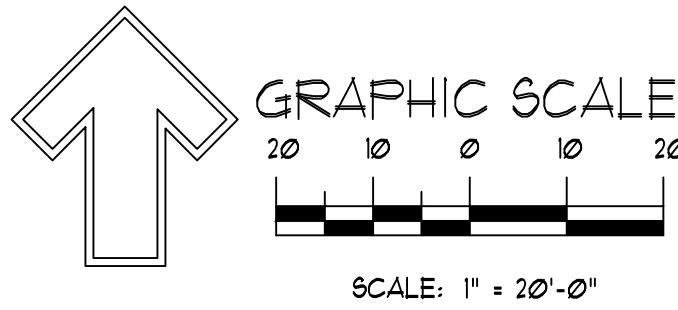
Clear Sight Triangle Note:  
Landscaping and signage will not interfere with clear site requirements. Therefore, signs, walls, trees and shrubbery between 3 and 8 feet tall, (as measured from the gutter pan) will not be acceptable in the clear site triangle.

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)

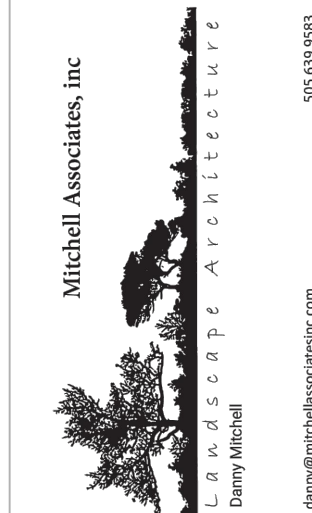
Section 6-6-2-5 Street Trees (A)

- 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



DESIGNED BY: D. Mitchell		REVISIONS	
Drawn By: dm	Date:	Comment	
Approved By:	9/20/2021	City Review Comments	
Date:			
NEW MEXICO ONE CALL STATEWIDE - 811 OR 1-800-321-ALERT (2337) www.nmonecall.org Call two working days before you dig.			
			File ID:

## Autozone Paseo del Norte and Universe Albuquerque, NM



Seal: Landscape Architect



12, 08, 2023

DRAWING NO:  
LS-101