

EROSION CONTROL/ENVIRONMENTAL PROTECTION/STORM WATER POLLUTION PREVENTION PLAN WATER AND WASTEWATER GENERAL NOTES

NOT LIMITED TO, OBTAINING AN NPDES PERMIT PRIOR TO CONSTRUCTION, FILLING OUT THE NOTICE OF INTENT (NOI) APPLICATION, AND FILLING OUT THE NOTICE OF TERMINATION (NOT) APPLICATION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE IMPLEMENTATION OF AND INSPECTION REPORTS FOR THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP). THE CONTRACTOR SHALL SUBMIT THE SWPPP WITH THE PROPOSED CONSTRUCTION STAGING AREA AND TEMPORARY SANITARY FACILITIES CLEARLY SHOWN. ANY CHECK DAMS, SILT FENCES, OR OTHER BEST MANAGEMENT PRACTICES (BMPS) THAT ARE REQUIRED IN THE APPROVED SWPPP SHALL BE INCLUDED IN AND ARE INCIDENTAL TO THE SWPPP BID AMOUNT.

2. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE APPROVED SWPPP ON-SITE AT ALL

TIMES, AND SHALL COMPLY WITH THE REQUIREMENTS INDICATED ON THAT PLAN.

3. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST AND EROSION CONTROL REGULATIONS. THE CONTRACTOR SHALL PREPARE AND OBTAIN ANY NECESSARY DUST OR EROSION CONTROL PERMITS FROM THE REGULATORY AGENCIES.

4. THE CONTRACTOR SHALL EITHER PROMPTLY REMOVE ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY OR INSTALL BMPS IDENTIFIED IN THE APPROVED SWPPP TO PREVENT DISCHARGE OF EXCAVATED MATERIAL WITHIN THE PUBLIC

RIGHT-OF-WAY DURING A RAIN OR WIND EVENT.
5. THE CONTRACTOR SHALL IMPLEMENT THE APPROVED SWPPP AND ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY. 6. THE CONTRACTOR SHALL MITIGATE EROSION OF TEMPORARY OR PERMANENT DIRT SWALES BY INSTALLING BMPS IDENTIFIED IN THE APPROVED SWPPP IN THE SWALES PERPENDICULAR TO THE DIRECTION OF FLOW, AND AT INTERVALS AS SPECIFIED IN THE

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1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULFILLING ALL NECESSARY NATIONAL 7. CONSTRUCTION AREAS SHALL BE WATERED FOR DUST CONTROL IN COMPLIANCE WITH POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS INCLUDING, BUT GOVERNMENT ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND SUPPLYING WATER AS REQUIRED, WATERING, AS REQUIRED FOR CONSTRUCTION AND DUST CONTROL, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO MEASUREMENT OR PAYMENT SHALL BE MADE THEREFOR.

8. ANY AREAS DISTURBED BY CONSTRUCTION AND NOT COVERED BY LANDSCAPING OR AN IMPERVIOUS SURFACE SHALL BE REVEGETATED WITH NATIVE GRASS SEEDING. WHEN CONSTRUCTION ACTIVITIES CEASE AND EARTH DISTURBING ACTIVITIES WILL NOT RESUME WITHIN 14 DAYS STABILIZATION MEASURES MUST BE INITIATED. LINESS INDICATED OTHERWISE ON THESE PLANS OR ON THE LANDSCAPING PLAN, NATIVE GRASS SEEDING SHALL BE SEEDING PER SECTION 1012 OF THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, APWA NM CHARTER, LATEST

9. ALL WASTE PRODUCTS FROM THE CONSTRUCTION SITE, INCLUDING ITEMS DESIGNATED FOR REMOVAL, CONSTRUCTION WASTE, CONSTRUCTION EQUIPMENT WASTE PRODUCTS (OIL, GAS, TIRES, ETC.) GARBAGE, GRUBBING, EXCESS CUT MATERIAL, VEGETATIVE DERRIS ETC. SHALL BE APPROPRIATELY DISPOSED OF OFF-SITE AT NO ADDITIONAL COST TO THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN PERMITS REQUIRED TO HALL OR DISPOSE OF WASTE PRODUCTS IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE WASTE DISPOSAL SITE COMPLIES WITH GOVERNMENT REGULATIONS REGARDING THE ENVIRONMENT, ENDANGERED SPECIES, AND ARCHAEOLOGICAL RESOURCES.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANUP AND REPORTING OF SPILLS OF HAZARDOUS MATERIALS ASSOCIATED WITH THE CONSTRUCTION SITE. HAZARDOUS MATERIALS INCLUDE GASOLINE, DIESEL FUEL, MOTOR OIL, SOLVENTS. CHEMICALS, PAINTS, ETC. WHICH MAY BE A THREAT TO THE ENVIRONMENT. THE CONTRACTOR SHALL REPORT THE DISCOVERY OF PAST OR PRESENT SPILLS TO THE NEW MEXICO ENVIRONMENT DEPARTMENT EMERGENCY RESPONSE TEAM AT 505-827-9329

11. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING SURFACE AND UNDERGROUND WATER. CONTACT WITH SURFACE WATER BY CONSTRUCTION EQUIPMENT AND PERSONNEL SHALL BE MINIMIZED. EQUIPMENT MAINTENANCE AND REFUELING OPERATIONS SHALL BE PERFORMED IN AN ENVIRONMENTALLY SAFE MANNER IN COMPLIANCE WITH GOVERNMENT

12. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING CONSTRUCTION NOISE AND HOURS OF OPERATION

REGULATIONS.

13. WHERE STORM INLETS ARE SUSCEPTIBLE TO INFLOW OF SILT OR DEBRIS FROM CONSTRUCTION ACTIVITIES, PROTECTION SHALL BE PROVIDED ON THEIR UPSTREAM SIDE UTILIZING BMPS IDENTIFIED



- I. ALL WORK DETAILED ON THESE PLANS AND PERFORMED UNDER THIS CONTRACT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND THE PROJECT GEOTECHNICAL REPORT, WHERE APPLICABLE, CITY OF ALBUQUERQUE PUBLIC WORKS
- THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS, INCLUDING EPA REQUIREMENTS WITH RESPECT TO STORM WATER DISCHARGE.
- PROOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL
 OBSTRUCTIONS INCLUDING ALL UNDERGROUND UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE
 CONSTRUCTION OBSERVER OR ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- I. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT LINE LOCATING SERVICE FOR LOCATION OF
- 5. ALL ELECTRICAL, TELEPHONE, CABLE TV. GAS AND OTHER UTILITY LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR NCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
- 6. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.
- 7. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS SHALL BE REPARED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
- 8. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE
- 9. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E., ARRICADING, TOPSOIL DISTURBANCE, EXCAVATION PERMITS, EPA STORM WATER PERMITS, ETC.).
- ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ALL
 PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.

CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY

- 11. THE CONTRACTOR SHALL PREPARE A CONSTRUCTION TRAFFIC CONTROL, AND SCINING PLAN AND OBTAIN APPROVAL OF SUCH PLAN FROM THE CITY OF ALBUQUERQUE, TRAFFIC ENGINEERING DEPARTMENT, PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR
- 12. ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), US DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
- 13. THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY.
- 14. THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO CONFORM WITH EPA REQUIREMENTS, INCLUDING COMPLIANCE WITH NPOES PHASE 2 REQUIREMENTS.

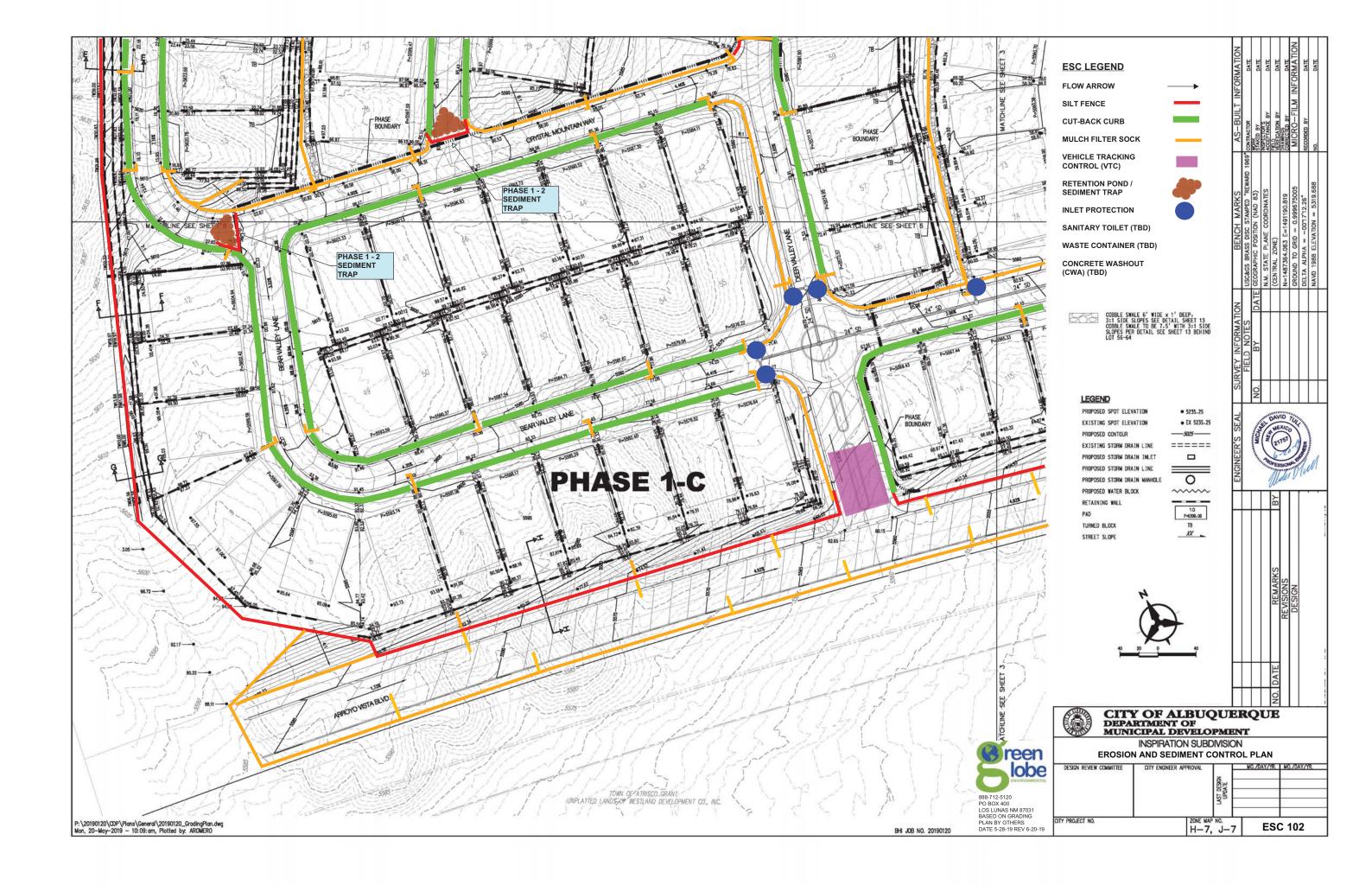
GRADING NOTES

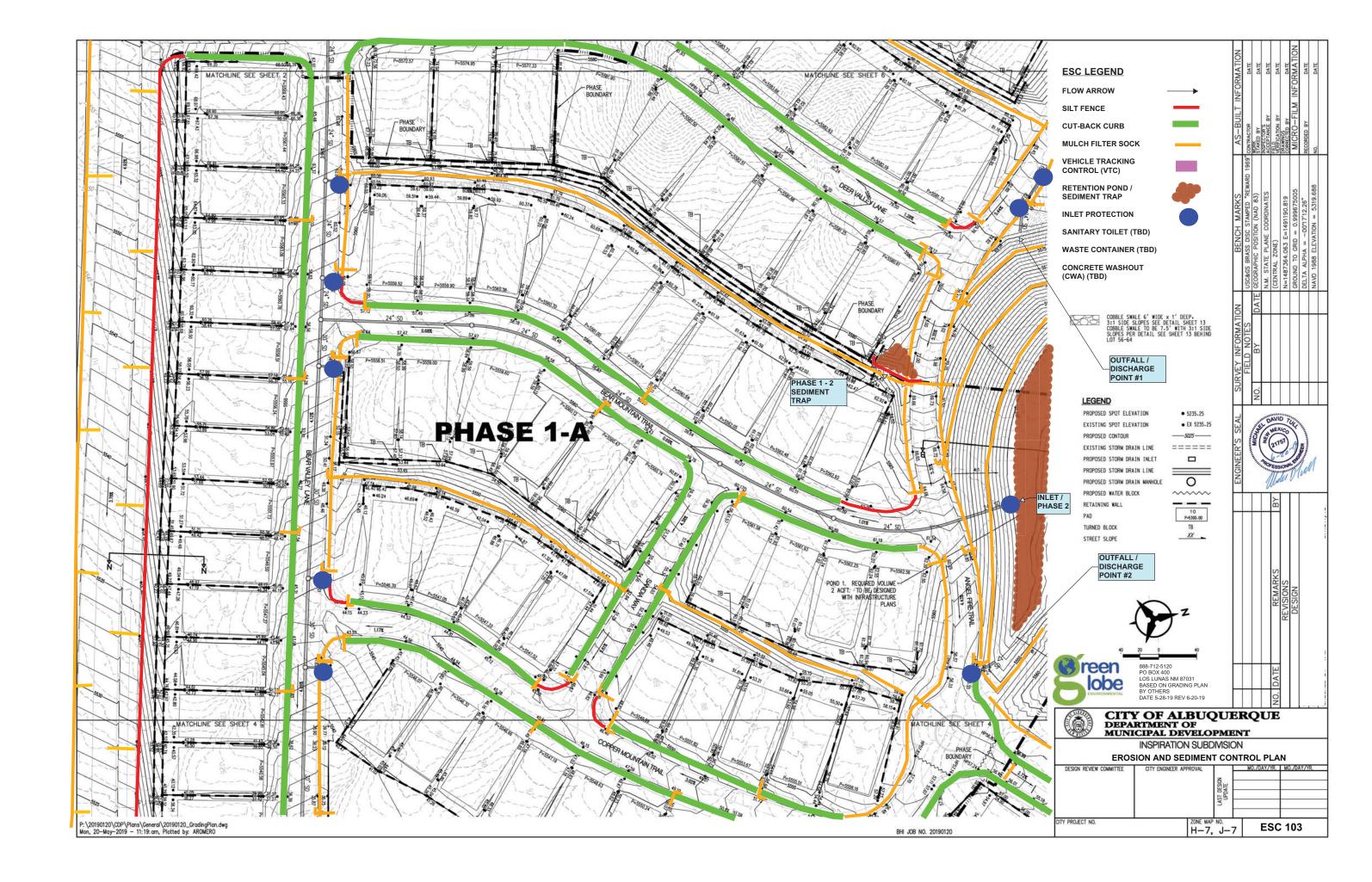
- 1. EXCEPT AS PROVIDED HERIN, ORADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON
- 2. CONTRACTOR SHALL OBTAIN AND ABDE BY A TOPSOL DISTURBANCE PERMIT FROM THE CITY OF ALBUQUERQUE ENVIRONMENTAL BEALTH DIVISION, PRIOR TO CONSTRUCTION. THE COST FOR REQUIRED CONSTRUCTION DUST AND ERGISON CONTROL MEASURES SHALL BE INDOBERTAL TO THE PROJECT COST, THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE, AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARMS AND GETIANNS ALL RECESSINGY APPLICATIONS ON THE CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARMS AND GETIANNS ALL RECESSINGY APPLICATIONS ON THE CONTROL OF THE PROPERTY APPLICATIONS AND THE PROPERTY APPLICA
- 3. ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, STE PREPARATION, AND PAYSWENT INSTALLATION, AS SHOWN ON THIS PUM, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SOLS REPORT PREPARED BY NVS DATED DEC. 11, 2018. ALL OTHER WORK, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS (FIRST PRIORITY), AND/OR THE CITY OF ALBUQUERQUE (COA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS (SECOND PRIORITY).
- 4. TWO WORKING DAYS PROR TO EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE (765-1264) FOR LOCATION OF EXISTING UTILITIES.
- 5. PRIOR TO GRADING, ALL VEGETATION DEBRIS, AND NEAR SURFACE ORGANICALLY CONTAMINATED SOIL SHALL BE STRIPPED FROM ALL AREAS TO BE GRADED. VEGETATION AND DEBRIS SHALL BE DISPOSED OF OFF-SITE OR STOCK-PILED FOR USE IN PLANTERS AND
- 6. EARTH SLOPES SHALL NOT EXCEED 4 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE.
- 7. IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY
- 8. THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT—OF—WAY, THIS SHOULD BE ACHEVED BY CONSTRUCTING TEMPORARY BERMS AT THE PROPERTY LINES WETTING THE SOIL TO PROTECT IT FROM WIND
- 9. A DISPOSAL SITE FOR ALL EXCESS EXCAVATION AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH MPTICIBLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE DESERVER, ALL COSTS INCLURED IN OBTAINING A DESPOSAL SITE AND HALL THERE IS SHALL BE CONSIDERED MODERNIA. TO THE PRESENT, AND MO SEPARATE MEASUREMENT OR
- 0. PAYING AND ROADWAY GRADES SHALL BE +/- 0.1' From Plan ELEVATIONS. PAD ELEVATION SHALL BE +/- 0.05' From Building
- 11. ALL SPOT ELEVATIONS ARE TO FLOMLINE UNLESS OTHERWISE NOTED. VALLEY GUTTER ELEVATIONS ARE SHOWN AT FLOMLINE ELEVATION.

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PROPOSED SPOT ELEVATION	• 5235-25
EXISTING SPOT ELEVATION	● EX 5235.25
PROPOSED CONTOUR	5025
EXISTING STORM DRAIN LINE	=====
PROPOSED STORM DRAIN INLET	
PROPOSED STORM DRAIN LINE	
PROPOSED STORM DRAIN MANHOLE	0
PROPOSED WATER BLOCK	~~~~
RETAINING WALL	
PAD	1 O P=5300.00
TURNED BLOCK	TB
STREET SLOPE	XX

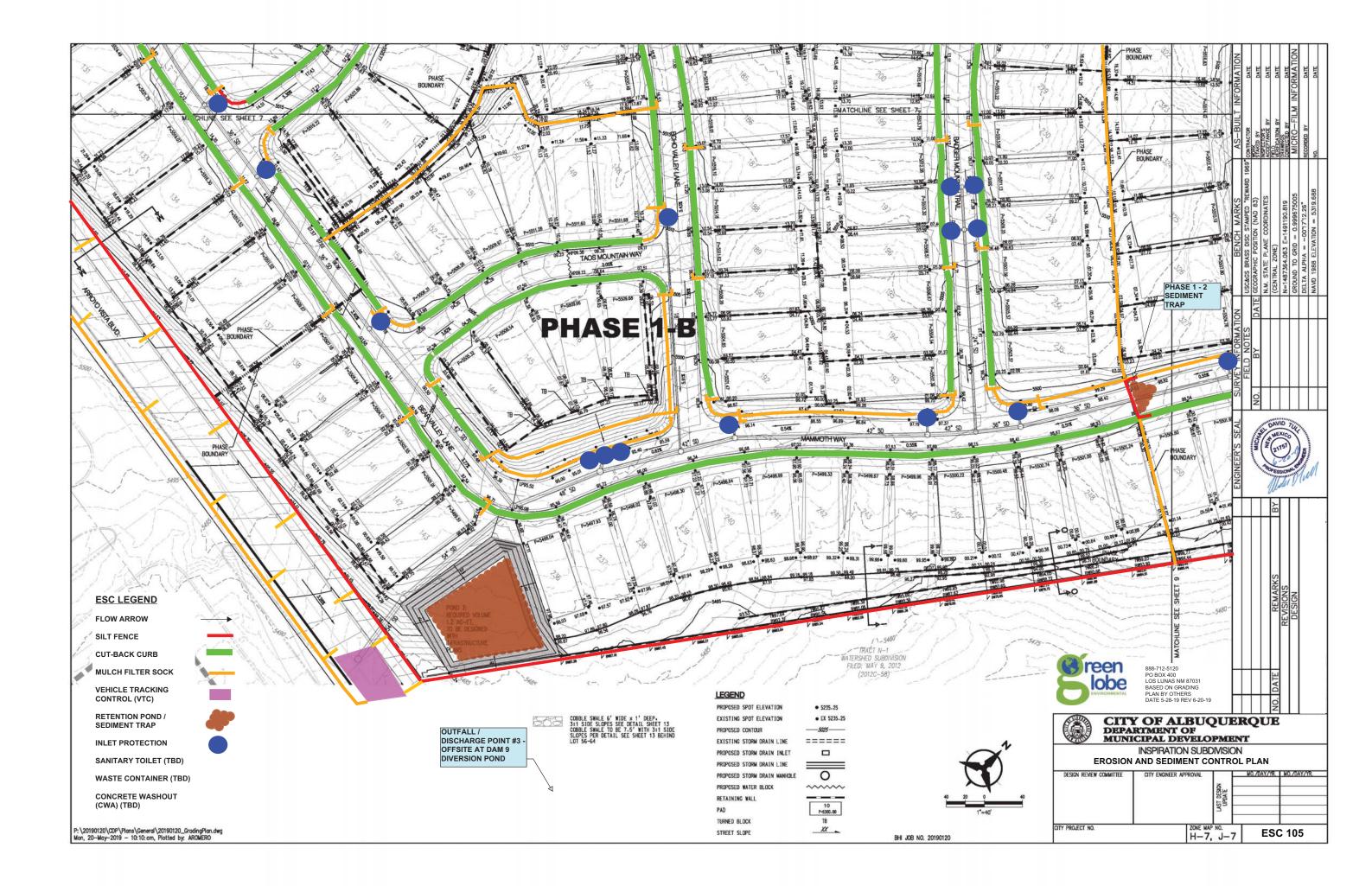
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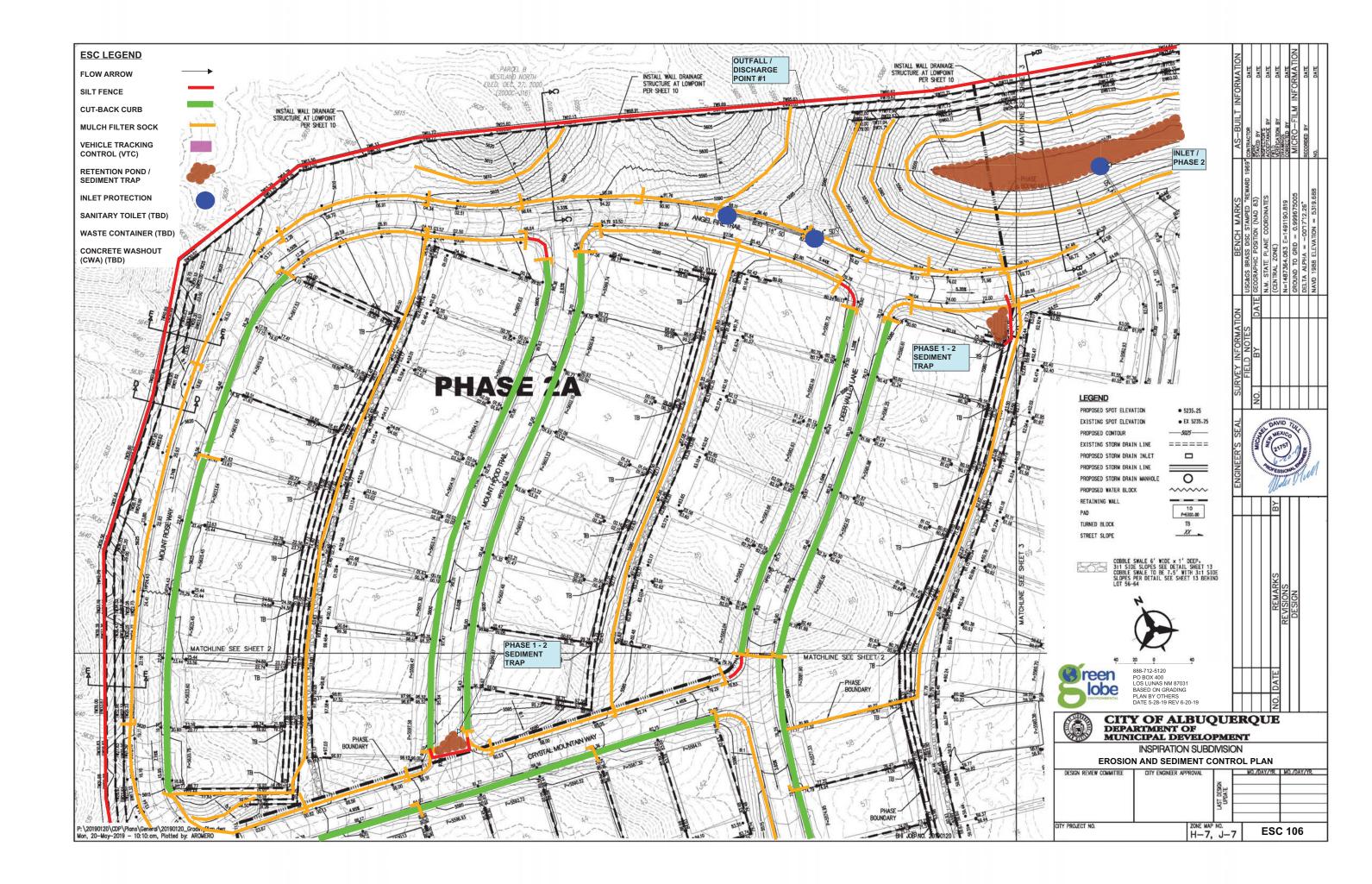




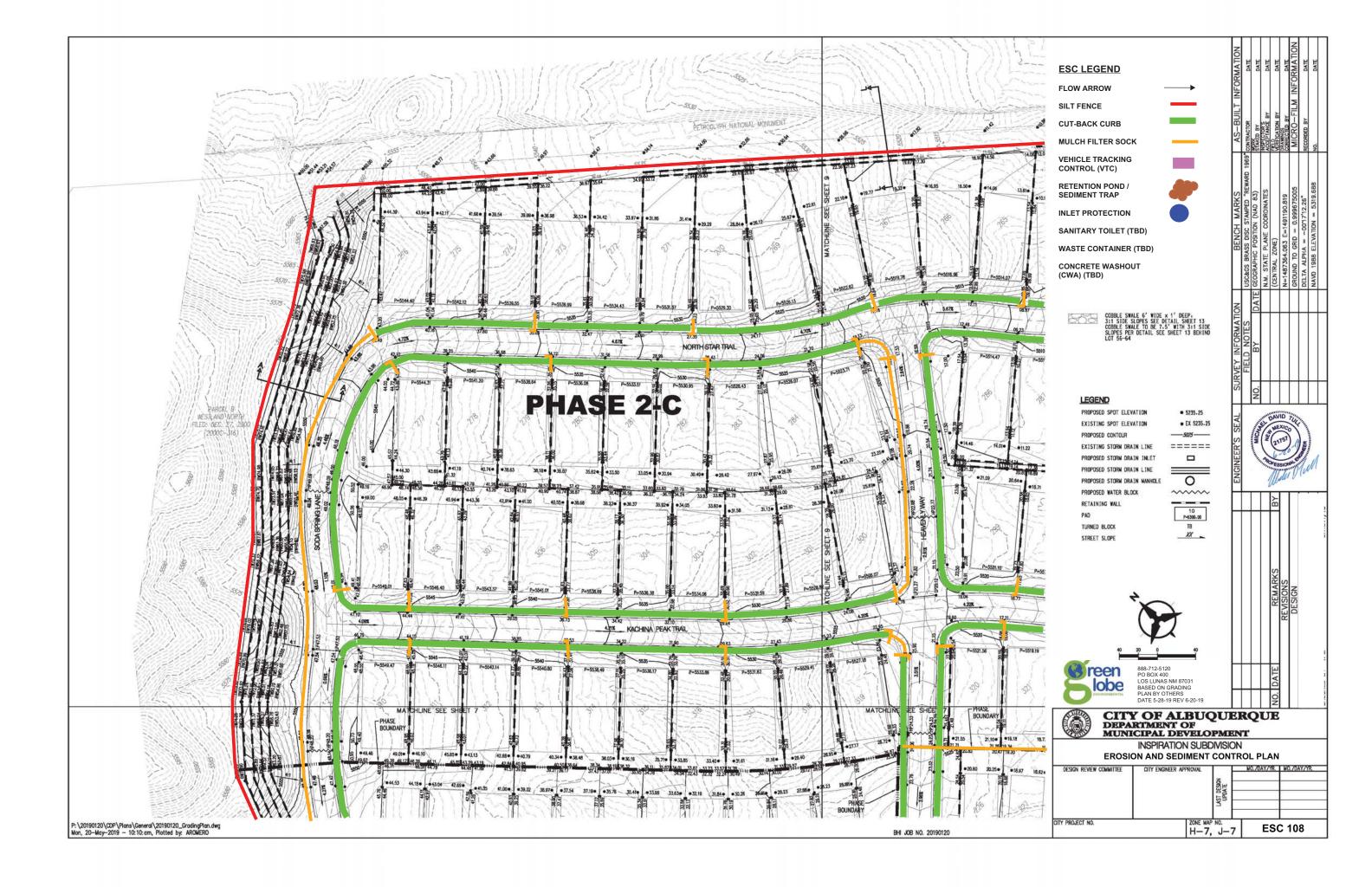


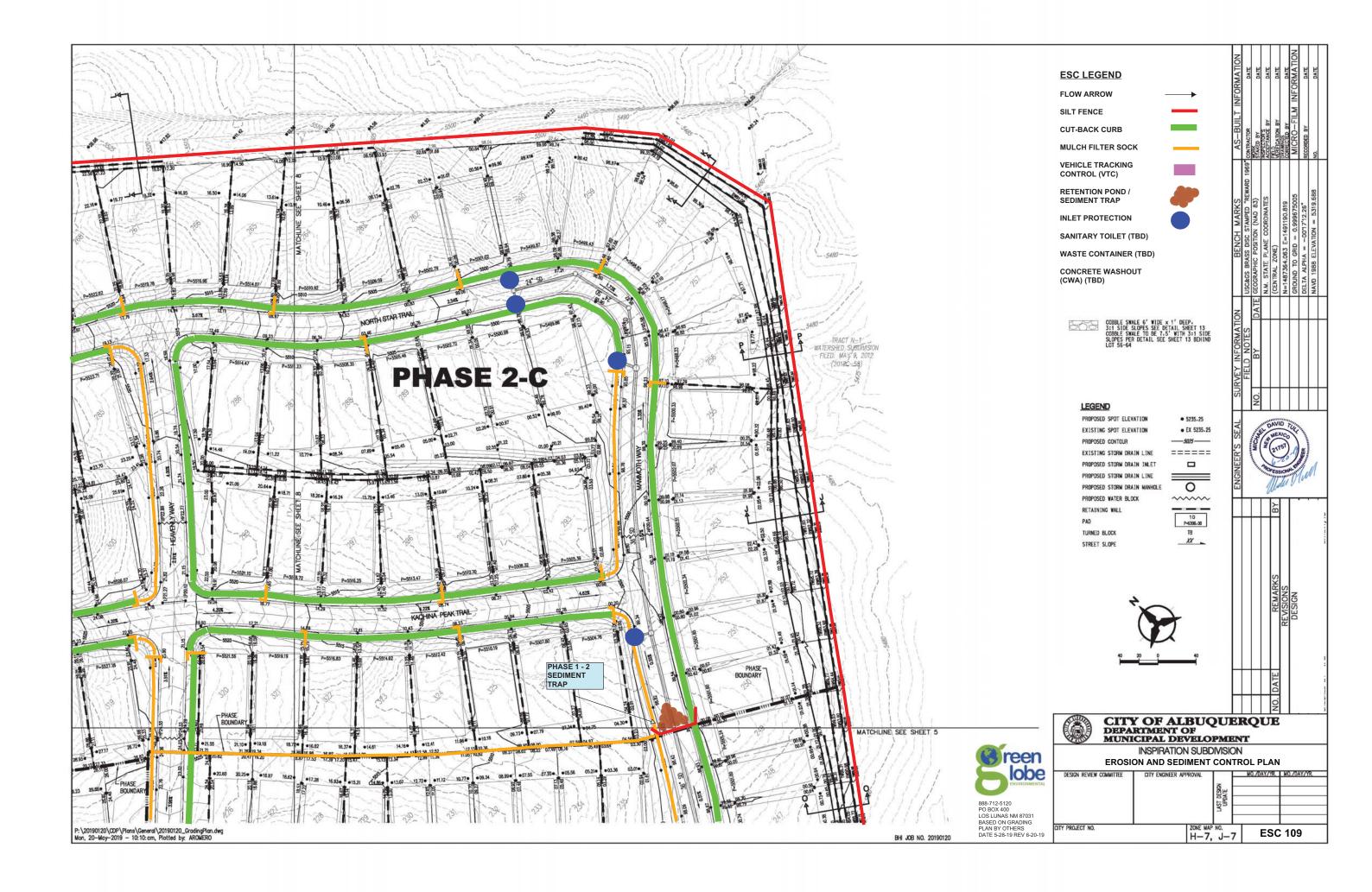


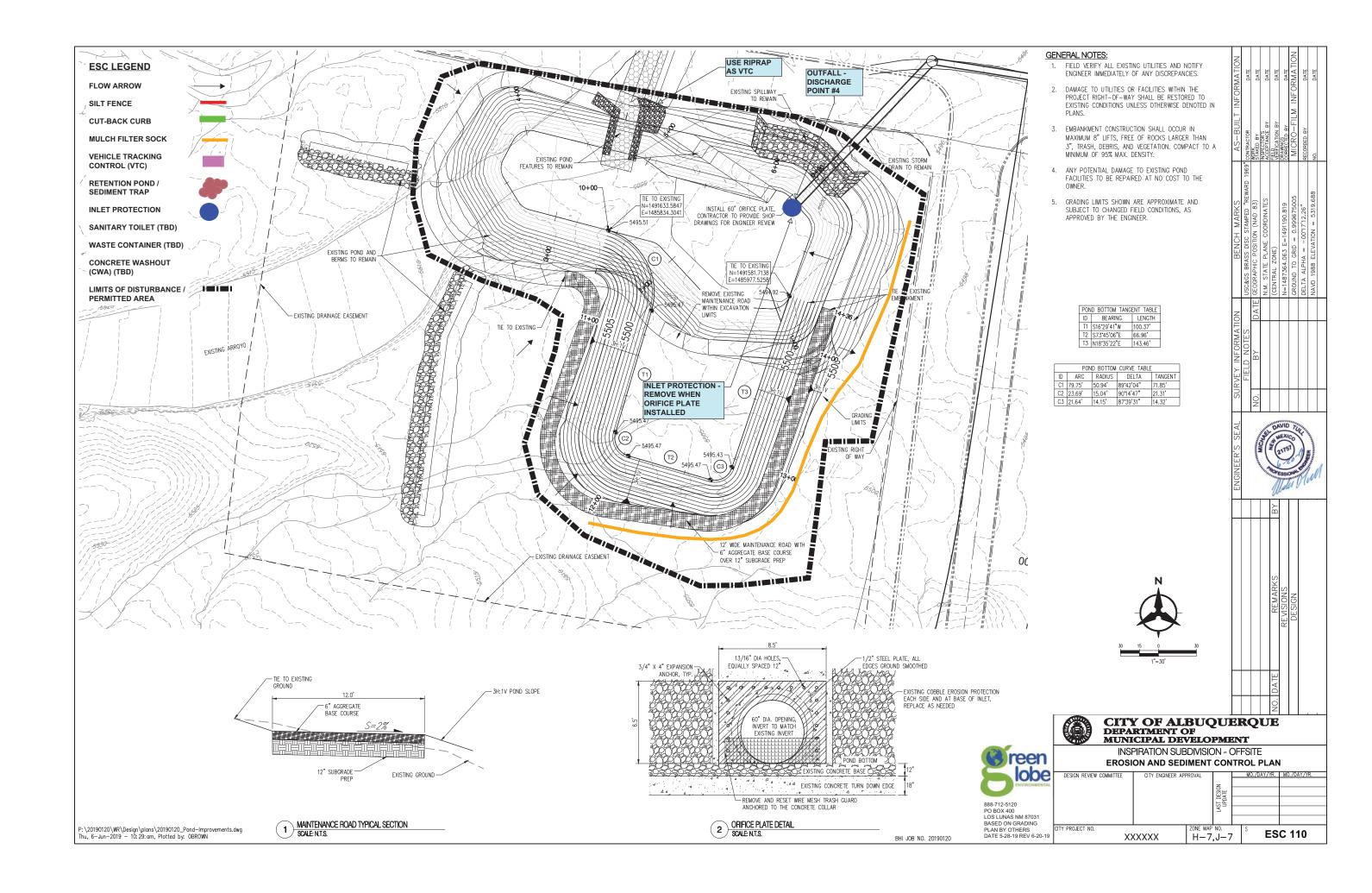


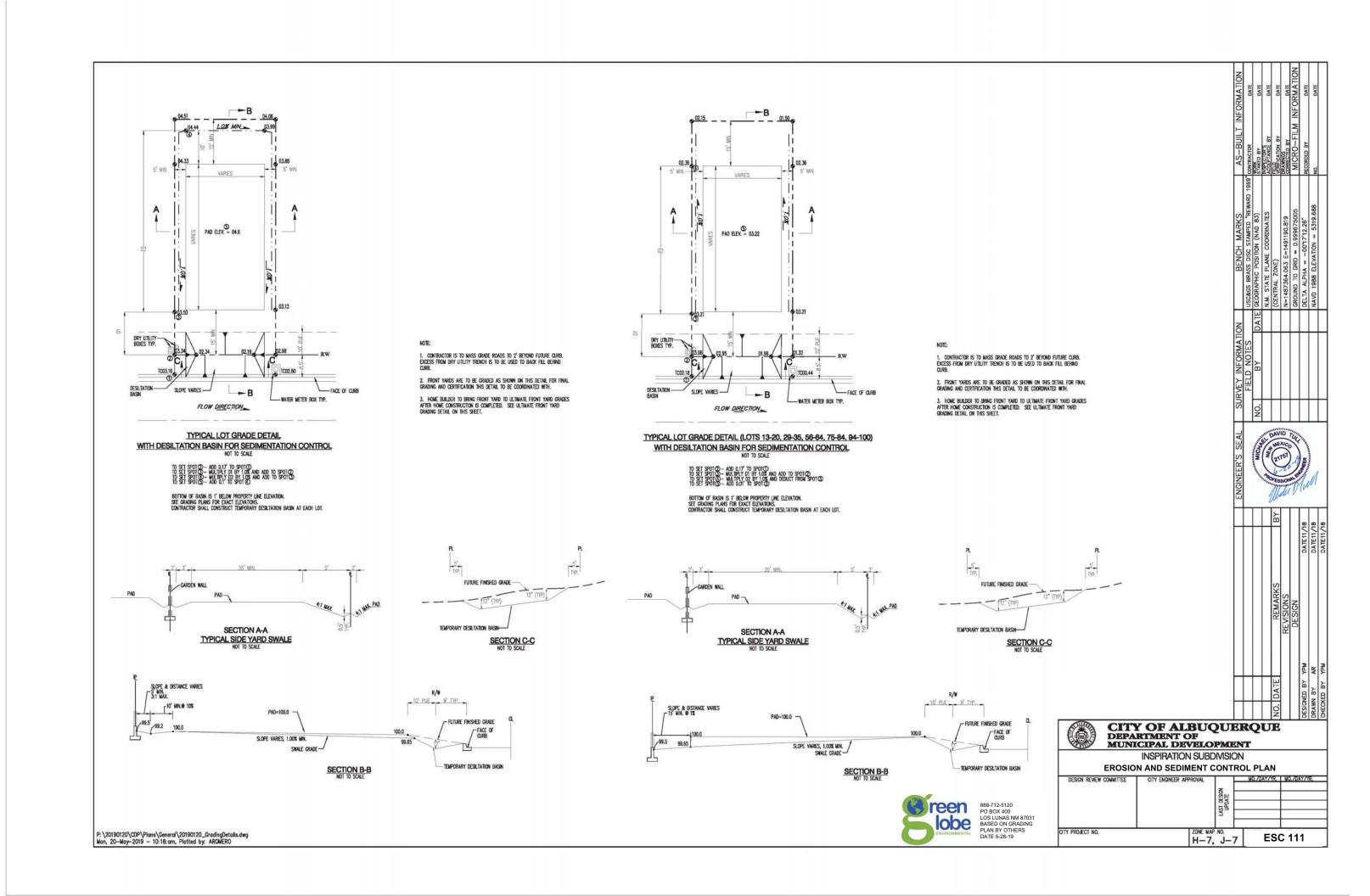


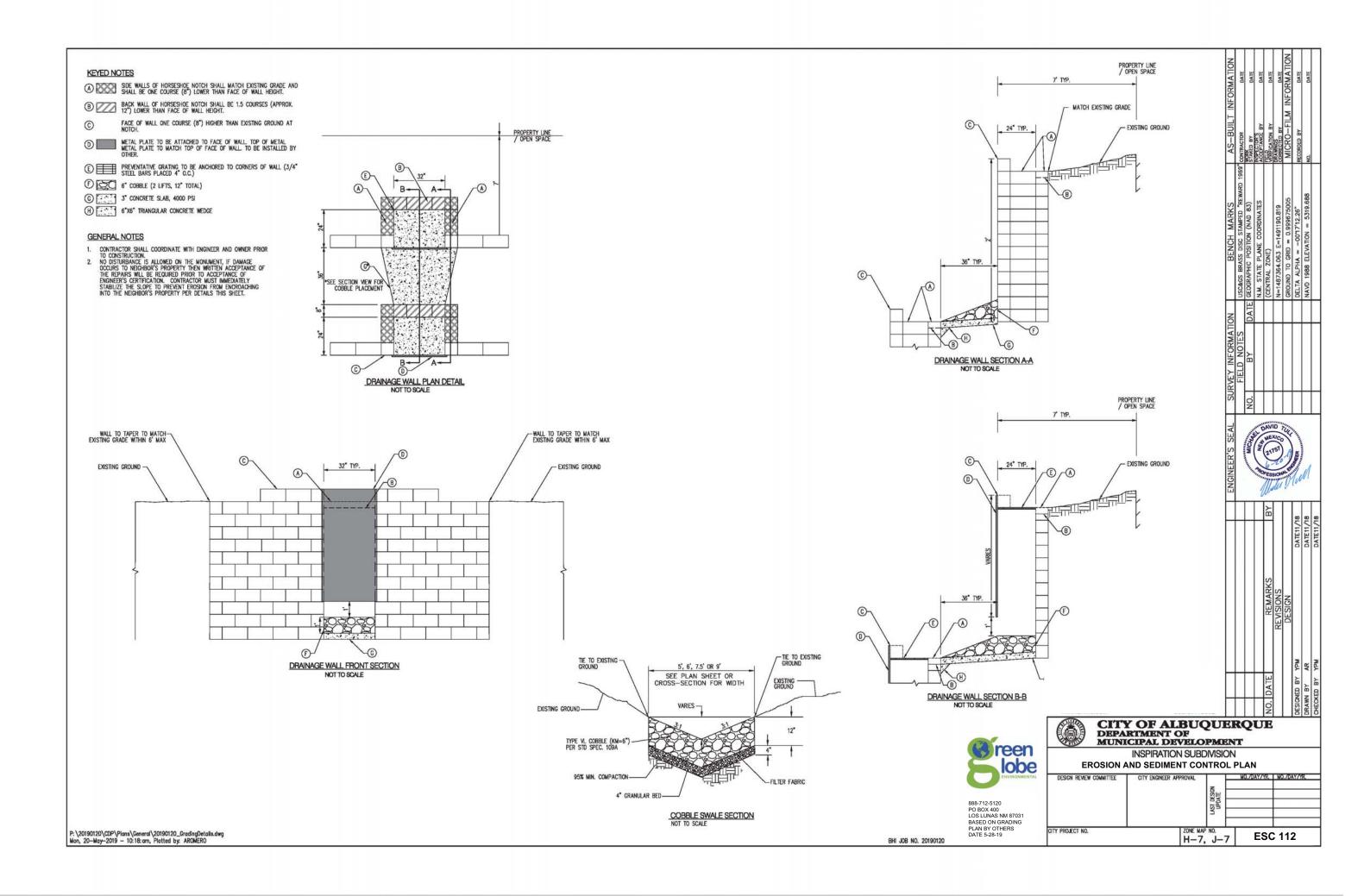




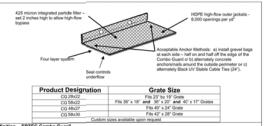








SWPPP Binder Insert - Curb & Grate Inlet Protection ERTEC Combo Guard™



Definition — ENTEC Combo Guard
A temporary sediment filter made of high density polyethylene with an integrated filter. During construction, place device over the grate and curb opening of the drais inlet near disturbed soil. Anchor with 2 Gravel Bags, or alternately 2 ERTEC (GR-8 Hocks)* or alternately concrete anchorshials or alternately caleback UV stable cable ties (24 to 36%).

Purpose
Som drain inlet protection is used to intercept sediment laden water at the curb and grate spening and prevent the sediment, associated pollutants and oberts from entering the storm water underground pipe systems. The system reduces water velocity which causes heavier up particle sits be deposited above ground. What allowing from through the module, the barrier filters cartain smaller stand particles from suspension and prevents them from flowing through the device and in the pipe. Thereof you are passed over the top of the filter. Advantages are that it is effective, cardistic, resultable, easily

- supn currents

 Goe-testile Filter: Apparent Opening Size (AOS) = 425 micron integrated particle filter. Flow rate (ASTM D-4491) = 145 gpmft*. Provide a bypass over the top.

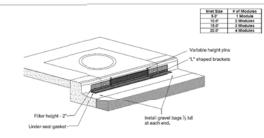
 Other Jacket Matrias: HOPE. For detailed characteristics contact ERTEC. Module weight = 3 to 5 lbs. Module height = 6.0*. Module lengthiopening size protected varies as per the chart above according to grate size. Service temperatural (egg F) = 30 to 160.
- temperature (deg F) = 30 to 100.

 Install system with the vertical section, göverling the curb inlet and the horizontal section covering the grate. Alternate anchor methods isted above. If using Stavel Bags place small gravel bags containing clean, pse-sized graded gravel on each and of the cover and that the gibblig Shigh against the curb to keep water in the guide from flowing behind the should be durable enough to last the prind of intended use. If the storm intel opening socieds 5.0° in length, overlap one module by 6° over side of adjoining module for a continuous run until the desired length is achieved. Anchor thru the overlap as necessary.



A2-40

SWPPP Binder Insert - Curb Inlet Protection ERTEC Curb Inlet Guard™



Definition - ERTEC Curb Inlet Guard

Definition — ERTEC Curb Inlet Quard
A temporary sediment barier. It shaped, made of high density polyethylene (HDPE) with an integrated filter (woven geotestels). During construction, place device over the opening of the curb storm inlet near where soil is disturbed (See drawings). Purpose
Storm drain inlet protection is used to intercept sediment laden water at the curb guiter opening and prevent sediment, obtain
and associated pollutants from entering the storm water underground pipe systems. The barrier reduces water velocity which in
turn causes heavier soil particles to be deposited in front. While allowing flow through the module, the barrier filters certain
smaller sized particles from supported and provers them from flowing from through the devocation the pipes. Excessive flows
are passed over the box of the filter. Advantages are that it is effective, curaction, exactly installed and cleanod.
It is recommended for use in curb openings in front of areas with small drawinge areas. Should be
less than 1/3 acre and the total for inlets in series should be 1 acre or less with slopes flatter than 5 percent in the contributing
drainage areas.

- resign criteria

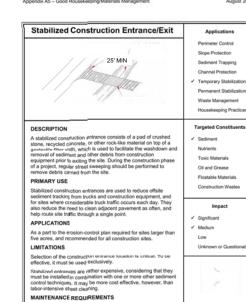
 Go-beatile Filter: See drawing for diminisions. Apparent Opening Size (AOS) = 425 micron integrated particle filter. Flow rate (ASTM D-4491) = 145 gpmtft. *Privide a bypass over the top.

 Outer Jacket Marteria: HOPE: For detailed characteristics contact ERTEC. Module weight = 3.5 fts. Module height = 7.5°. Module length/opening size protected = °° 2° 4° 0.8. *Contact starter Marteria: HOPE: For disable protected = 1° 2° 4° 0.8. *Contact starteristics contact ERTEC. Module length/opening size protected = °° 2° 4° 0.8. *Contact starteristics contact ERTEC. Module length/opening size protected = °° 2° 4° 0.8. *Contact starteristics contact ERTEC. Module length/opening size protected = °° 2° 0.8. *Contact starteristics contact ERTEC. Module length/opening size protected = 7° 2° 0.8. *Contact starteristics contact starteristics contact starteristics contact starteristics. *Contact starteristics contact starteristics. *Contact starteristics.*Contact starteristics

Maintenance
Perform maintenance as required. Inspect ollowing rainfall events and at least daily during prolonged rainfall. Maintain to provice an adequate sediment holding capacity. Trash shall be removed daily and sediment shall be removed when the sediment accumulation reaches 1 not. Reproved sediment shall be incorporated in the project at designated locations or disposed-of outside the project or in conformance with requirements. Ramove de device after final stabilization has



A2-41



Inspections should be made on a regular basis and after large storm events in order to ascertain whether or not sediment and pollution are being effectively detained on site.

When sediment has substantially clogged the void area between the rocks, the aggregate mat must be washed down or replaced.

Periodic re-grading and top dressing with additional stone must be done to keep he efficiency of the entrance from diminishing.

Stabilized Construction Entrance/Exit (continued) — 6' - 7" MIN. — DRAIN SPACE REINFORCED CONCRETE HARD SURFACE FILTER FABRIC COARSE AGGREGATE 1" TO 3" ROCK / AGGREGATE VEHICLE TRACKING CONTROL

A3-22

Drop Inlet Protection

TYPEI

DESCRIPTION

PRIMARY USE Drop inlet protection is normally used as a second defense in site erosion control. A backup to onsite systems that have limited effectiveness.

APPLICATIONS

- Filter barrier when site is less than one acre and slope is less than 5%
- Block and gravel are used when flows exceed 0.5 cfs

· Wire mesh and gravel are used where traffic crosses inlet LIMITATIONS

Inlet protection is only viable at low-point inlets. Inlets that are on a slope cannot be effectively protected because storm water will bypass the inlet and continue downstream, causing an overload condition at inlets beyond.

MAINTENANCE REQUIREMENTS

MAINTERANCE RECOVERNMENT
Inspections should be made on a weekly basis, especially after large (>0.5 inches) storm events. When silt fence is used and the fabric becomes cogged, a favoid to declared or, if necessary, replaced. Also, sediment should be removed when it reaches approximately one-half in helight of the fence. It a surple is used, approximately one-half in helight of the fence in a runny is used, according to the common of the basin is reduced by 50%.

For systems using stone litters, when the stone filter becomes clogged with sediment, the stones must be pulled away from the iniet and cleaned or replaced. Since cleaning of gravel at a construction site may be difficult, an alternative approach would b to use the clogged stone as fill material and put new stone around the iniet.

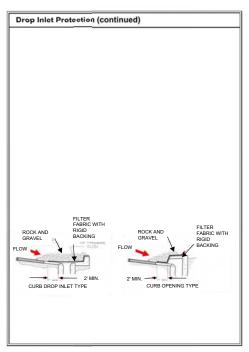
Slope Protection Sediment Trapping Temporary Stabilizatio Permanent Stabilization Waste Management

Targeted Constituents / Sediment

Oil and Grease Floatable Materials

Unknown or Questional

A2-17



CUT BACK CURB: TEMPORARY SEDIMENT CONTROL THAT UTILIZES CONTAINMENT PROVIDED BY EXISTING HARDSCAPE SUCH AS CURB. SIDEWALK, AND ASPHALT. APPROPRIATE USES: CUT BACK CURB IS TYPICALLY USED FOR SHORT-TERM SEDIMENT CONTAINMENT OF SMALL AREAS WITH MINIMAL AREA AND SLOPE. PLACEMENT: THE EXCAVATED AREA IS IMMEDIATELY UPHILL FROM HARDSCAPE WITH A MINIMUM DEPTH OF THREE INCHES (3")
AND A MAXIMUM DEPTH OF ONE INCH (1") LESS THAN THE
TOTAL DEPTH OF THE HARDSCAPE. ANY FURTHER EXCAVATION
COULD UNDERCUT THE HARDSCAPE. INSPECTION AND MAINTENANCE: INSPECT ROUTINELY AND MAINTAIN REGULARLY TO ENSURE THE ORIGINAL DIMENSIONS OF THE SEDIMENT AREA. SEDIMENT AREA 3' - 4' TYPICAL WHERE AVAILABLE SIDEWALK/ASPHALT/ HARDSCAPE EXCAVATED AREA CUT BACK CURB SCALE: NTS

INSPIRATION SUBDIVISION ARROY VISTA BLVD & HIGH MESA DRIVE ALBUQUERQUE NM

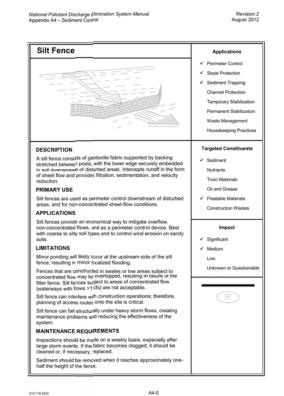
DRAWN BY SLK REVIEWED BY MDT DATE 5/30/19 PROJECT NO.

EROSION AND SEDIMENT CONTROL DETAILS AND NOTES

ESC 113

A2-18

DATE: MAR 2016 CBC



Silt Fence (continued) SUPPORTING FENCE 2" X 2" WOOD OR STEEL POST / FILTER FABRIC MATERIAL 5' 0" BURY BOTTOM OF FILTER FABRIC MATERIAL IN 6" X 6" MIN. TRENCH FILTER FABRIC MATERIAL FABRIC ANCHORAGE NATURAL SOIL 2" X 2" WOOD OR STEEL POST BURY 24" MIN.

National Pollutant Discharge Elimination System Manual Appendix A2 – Structural Controls

A2-4



SWPPP Cut Sheet:

Filtrexx® Sediment Control Sediment & Perimeter Control Technology

APPLICATION
Filtrace.* Sediment control is to be installed down slope of any disturbed area requiring erosion and sediment control and filtration of soluble pollutant from runoff. Sediment control is effective when installed perpendicular to sheet or low concentrate flow. Acceptable applications include:

1. See equiron.*

- flow. Acceptable applications include:

 Step entimeral:

 Above and below disturbed areas subject to sheer ranoff, intertill and till retosion.

 Above and below exposed and erodable slopes.

 Above and a red arians or inless located in a 'sump!

 On compacted solis where trenching of silt fence is difficult or impossible.

 Around a sensitive trees where trenching of our may sunnecessary dusturb established vogacion.

 On froors ground where trenching of alla fence is impossible.

INSTALLATION

let nature do it."

NOSTALIATION

1. Sediment control used for perimeter control of sediment and soluble pollutants in storm runoff shall meet Filterce* Soze* Auterial Specifications and use Certificed Filterce* Filtercheda;

2. Contractor is required to be Filterce* Certified* as determined by Filterce* International, LLC.

(440-926-2607 or visit website at www.fittrexx. com). Certification shall be considered current if appropriate identification is shown during time of bid or at time of application (current Ising can be found at www.fittrexx.com). Look for the Filtrexs²⁰-Certification (250-260). Look for the Filtrexs²⁰-Certification (250-260). Look for the filtrexs (250-260) and a substitution of the filtrexs (250-260). Look for the filtre

- 4. Sediment control should be installed parallel to the base of the slope or other disturbed area. In extreme conditions (i.e., 2:1 slopes), a second Sediment control shall be constructed at the top of the slope.
 5. Effective Sox²² height in the field should be as follows: 8" Diameter Sediment control = 9.5" high, 18" Diameter Seldiment cortiol = 9.5" high, 18" Diameter Seldiment cortiol = 9.5" high, 18" Diameter Seldiment of 19" high, 6. Sokes shall be installed through the middle of the Sediment control = 10" foll (full centers, using
- the Sediment control on 10 ft (3m) centers, usin 2 in (50mm) by 2 in (50mm) by 3 ft (1m) hard most stakes. In the versa staking is not possible, i.e., when Sediment control is used on pavement, heavy concrete blocks shall be used behind the Sediment control to help stabilize behind the Sediment control to help stabilize during insidilurated events.

 5. Staking depth for sand and silt loam soils shall be 12 in (Sform), and 8 in (200mm) for clay soils.

 8. Lone compost may be backfilled along the updope side of the Sediment control, Elling the stam between the soil surface and the device, improving flutation and sediment retention.

 9. If the Sediment control is to be left as a permanent fifter or part of the antarual landscape, it may be seeded at time of installation for establishment of permanent septention. The Engineer will specify seed requirements.

Construction Activities | Section 1: Erosion & Sediment Control | 323

Filtrexxⁿ Sediment control is not to be used in perennial, ephemeral, or intermittent streams.

INSPECTION AND MAINTENANCE

MSPECTION AND MAINTENANCE
Routine Inspection should be conducted within
24 hrs of a runelf event or as designated by the
regularing authority. Sediment countral should be
regularly inspected to make sure they maintain their
shape and are producing adequate hybratile flowthrough. If postding becomes excessive, additional
Sediment control may be required to reduce effective
slope length or rediment sensual may be nowway
Sediment control shall be imprecised until area slove
has been perma-away stablined and construction
seems to be a supplied of the stable of the stable of the stable
1. The Control to shall maintain the Sediment
control in a functional condition at all times and
it shall be resurinely suppected.
2. If the Sediment control has been damaged, it shall
be regulared, or replaced if Seyond repair.

- be repaired, or replaced if beyond repair.
- 5. The Contractor shall remove sediment at the base of the updope side of the Sediment control when accumulation has reached 12.6 of the effective height of the Sediment control, or as directed by the Engineer. Alternatively, a new Sediment control can be placed on top of and slightly behind the original one creating more sediment storage capacity without soil disturbance.
 4. Sediment control shall be maintained until
- nanently stabilized and construction activity
- has ceased.

 5. The Filte/Media** will be dispersed on site once disturbed area has been permanently stabilized. construction activity has ceased, or as determined
- construction activity has ceased, or as determine by the Engineet.

 6. For long-term sediment and pollution control applications, Sediment control can be seeded at the time of installation to create a vegetative filtering system for prolonged and increased filtration of sediment and soluble pollutants

Slope Percent	Maximum Slope Length Above Sediment Control in Feet (meters)*					
	control Sed 6.5 in	12 in (300 mm) Sediment control	18 in (450 mm) Sediment control 14.5 in (360 mm) **	24 in (600mm) Sediment control 19 in (480 mm) **	32 in (800mm) Sediment control 26 in (650 mm) **	
		9.5 in (240 mm) **				
2 (or less)	680 (180)	750 (225)	1000 (300)	1300 (400)	1650 (500)	
5	400 (120)	500 (150)	550 (165)	650 (200)	750 (225)	
10	200 (60)	250 (75)	300 (90)	400 (120)	500 (150)	
15	140 (40)	170 (50)	200 (60)	325 (100)	450 (140)	
29	100 (30)	195 (190)	145125	200 (10)	400 (120)	
25	80 (24)	100 (30)	110 (33)	200 (60)	275 (85)	
30	60 (18)	75 (23)	90 (27)	130 (40)	200 (60)	
25	60 (18)	75 (23)	80 (24)	115 (35)	150 (45)	
40	80 (18)	75 (23)	80 (24)	100 (30)	125 (38)	
45	40 (12)	50 (15)	60 (18)	80 (24)	100 (30)	
50	40 (12)	50 (15)	55 (17)	65 (20)	75 (73)	

Based on a failure point of 36 in It.9 m) super six fonce (wire reinforced) at 1000 ft (203 m) of slope, watershed width equivalent to receiving length of sediment control device, 1 in 23 in (25 mm/54 ft) rain event.

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SWPPP Cut Sheet -1.1. Filtrexx® Sediment Control - FILTREXX® SOXX™ (12" TYPICAL) VN/PLACED FILTER MEDIA ™ SECTION NTS ---- 2" X 2" X 36" WOODEN STAKES PLACED 10' O.C. DØ. WATER FLOW WORK AREA NOTES:

1. ALL MATERIAL TO MEET FILTREXX® SPECIFICATI
2. FILTER MEDIA™ FILL TO MEET APPLICATION 3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS PLAN NTS FILTREXX® SEDIMENT CONTROL

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Construction Activities | Section 1: Erosion & Sediment Control | 325

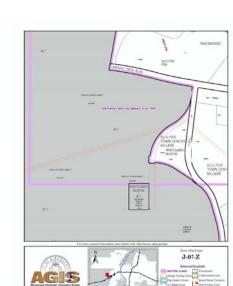
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let nature do it."

Concrete Waste Management Applications DESCRIPTION Slope Protection Concrete waste management prevents or reduces the discharge of pollutants to storm with by conducting washout offsite, performing onsite washoet, in a designated area, and training employees and subconfractors. Sediment Trapping APPLICATIONS Permanent Stabilization Store dry and wet materials under cover, away from drainage are#5. Waste Management Avoid mixing excess amounts of fresh concrete or cement onsite. Perform washout of concrete trucks offsite or in designated areas only. Do not wash out concrete trucks into storm drains, open ditches, streets, or streams. Toxic Materials Do not allow excess concrete to be dumped onsite except in designated areas. Oil and Grease For onsite washout: Locate washout area at least 50 feet from storm drains, open ditches, or water bodies. Prevent runoff from this area by constructing a temporary pit or bermed area large enough for liquid and solid waste. Impact Significant Wash out wastes into the temporary pit where the concrete can set, be broken up, and then disposed of properly. / Medium When washing concrete to remove fine particles and expose the aggregate, avoid creating runoff by draining the water to a bermed or level area. Do not wash sweepings from exposed aggregate concrete into the street or storn drain. Collect and return sweepings to aggregate base strck pile, or dispose in the trash. Train employees and subcontractors in proper concrete waste management. LIMITATIONS Offsite washout of concrete wastes may not always be possible. MAINTENANCE REQUIREMENTS

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H-07-Z



INSPIRATION SUBDIVISION ARROYO VISTA BLVD & HIGH MESA DRIVE ALBUQUERQUE NM

lobe

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> DRAWN BY SLK REVIEWED BY MDT DATE 5-30-19 PROJECT NO.

EROSION AND SEDIMENT CONTROL DETAILS AND NOTES

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If using a temporary pit, dispose of hardened concrete on a regular basis.





