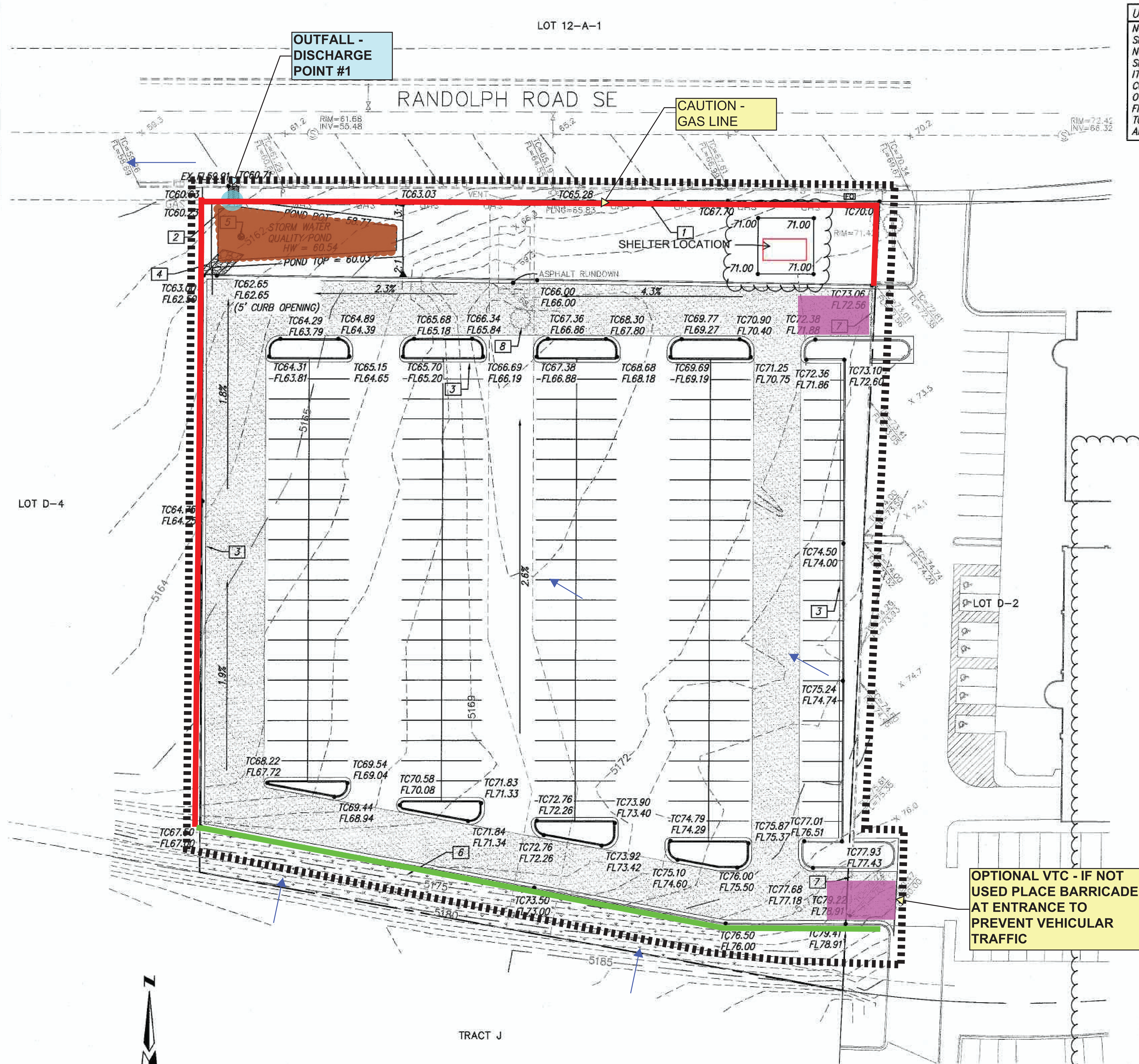
EROSION AND SEDIMENT CONTROL PLAN (ESC PLAN)

TOTAL SITE ACRES 2.2 ACRES
TOTAL DISTURBED AREA 2.2 ACRES
REFER TO ESC 102 FOR ADDITONAL NOTES, BMP DETAILS WITH INSTALLATION, INSPECTION AND MAINTENANCE REQUIREMENTS.
REFER TO SITE SWPPP FOR ADDITIONAL COMPLIANCE REQUIREMENTS.



30' 15' 0 30' 60'
SCALE: 1" = 30'

```
□(s16.66H
  AHYMO PROGRAM SUMMARY TABLE (AHYMO-S4)                    - Ver. S4.01a, Rel: 01a     RUN DATE (MON/DAY/YR) =06/12/2019
  INPUT FILE = -Projects\2019\A19012 - Randolph Road\Drainage\ahymo_RandolfRoad_IN-C.txt   USER NO.= M-GoodwinNMSiteA90075759

                              FROM  TO              PEAK       RUNOFF              TIME TO   CFS     PAGE =   1
              HYDROGRAPH       ID   ID   AREA     DISCHARGE    VOLUME    RUNOFF     PEAK     PER
  COMMAND     IDENTIFICATION   NO.  NO.  (SQ MI)    (CFS)      (AC-FT)  (INCHES)  (HOURS)   ACRE     NOTATION

  START                                                                                            TIME=     0.00
  LOCATION                    ALBUQUERQUE
  *S RANDOLPH ROAD 19012
  *S ON SITE RUNOFF
  *S By Cory Pierce
  RAINFALL  TYPE= 1 NOAA 14                                                                        RAIN6=    1.900
  SEDIMENT BULK                                                                                    PK BF =    1.06
  COMPUTE NM HYD        202.00  -    3   0.00349     7.41       0.279     1.50177   1.530    3.321 PER IMP=  79.00
  FINISH
□(s10H
```

SIDEWALK CULVERTS

Wier Depth (FT)	0.51
Width	2
Weir Coeff	2.6
Wier Discharge	3.79 (CFS)
x2 (Two sidewalk culverts)	7.58

DRAINAGE NARRATIVE:

RECENT STORM WATER QUALITY REQUIREMENTS OF THE CITY OF ALBUQUERQUE RESULT IN THE CAPTURE OF 0.34 INCHES OF RAINFALL OVER IMPERVIOUS SURFACES. THE IMPERVIOUS SURFACES OF THIS SITE INCLUDE THE PARKING LOT AREA AS WELL AS THE FLAT AREA IN THE NORTH EAST QUADRANT (FUTURE) TOTALING 76992 SF.

THE PROPOSED DESIGN CAPTURES THE REQUIRED WATER VOLUME WITHIN THE STORM WATER QUALITY POND AT THE LOW ELEVATIONS OF THE SITE.

FRENCH DRAINS ARE FEATURES OF THE DESIGN TO HASTEN INFILTRATION WITHIN THE PONDS WHEN RUNOFF IS CAPTURED FROM STORM EVENTS.

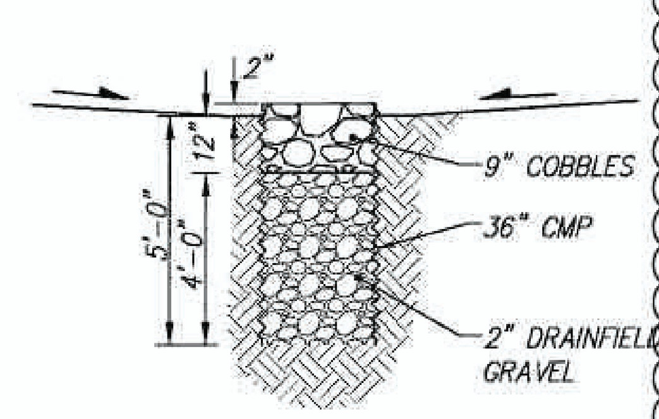
THE 100 YR 6 HR DESIGN STORM WILL FILL AND OVERFLOW FROM THE STORM WATER QUALITY POND THRU TWO(2) 24" WIDE SIDEWALK CULVERTS INTO RANDOLPH ROAD. THE 100 YR, 6 HR DISCHARGE WAS EVALUATED BY UTILIZING AYMO S4. INPUT TO INCLUDE SURACE TREATMENTS, AND RAINFALL FROM NOAA 14 MITIGATED BY THE STORM WATER QUALITY RETENTION (0.34"). THE 100 YR PEAK DISCHARGE WAS EVALUATED TO BE 7.41 CFS. A WIER ANALYSIS WAS PERFORMED TO EVALUATE THE TWO(2) 24" SIDEWALK CULVERTS TO PASS THE 7.41 CFS AT AN ESTIMATED DEPTH OF 0.51'.

STORM WATER QUALITY VOLUME:

Proposed Impervious Area (SF)	76992
Storm Water Quality retention depth (inches):	0.34
Required Storm Water Quality Volume (CF):	2181

Proposed Storm Water Quality Retention Capacity:

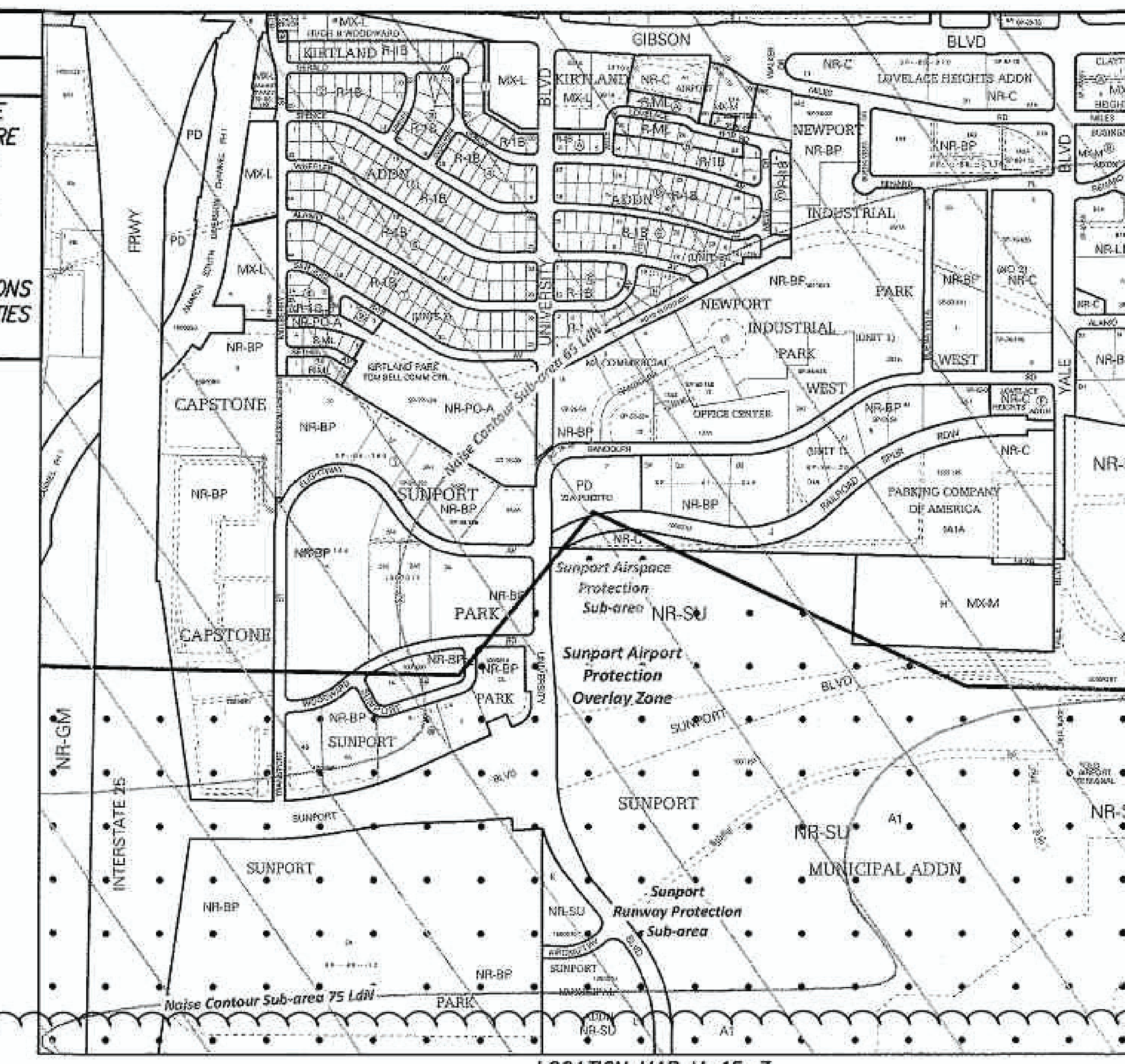
Temporary Retention Pond	
Depth (FT):	**1.26**
Bottom (SF) (58.40)	1,425
Top (SF) (60.03)	2,043
Volume (CF)	2,185



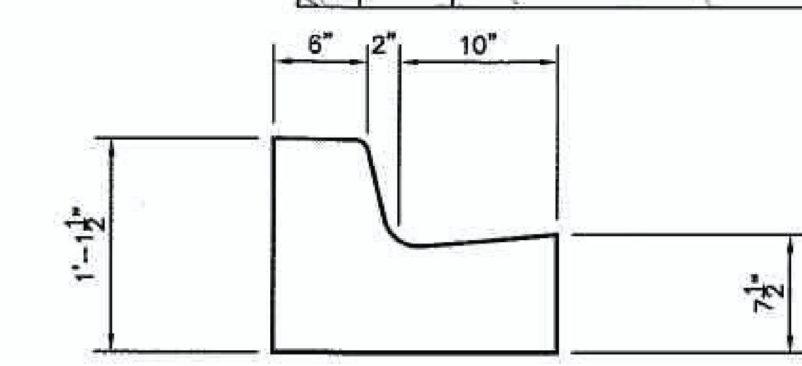
FRENCH DRAIN DETAIL
N.T.S

UNDERGROUND UTILITIES CAUTION:

NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. ALL EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE APPROXIMATE LOCATION ONLY. IT SHALL BE THE SOLE RESPONSIBILTY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATIONS TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.

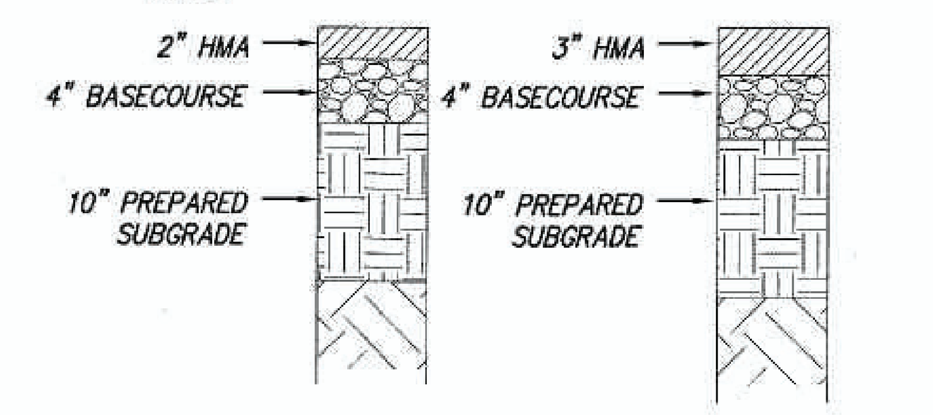


LOCATION MAP M-15-Z



- 4000 PSI COMP. STRENGTH AT 28 DAYS
- 1.5 #/CY OF POLYPROPYLENE COLLATED FIBRILLATED FIBERS(FIBERMESH OR APPROVED EQUAL)
- NON-CHLORIDE RETARDER PER MANUF. RECOMM.

MEDIAN CURB AND GUTTER DETAIL
N.T.S.



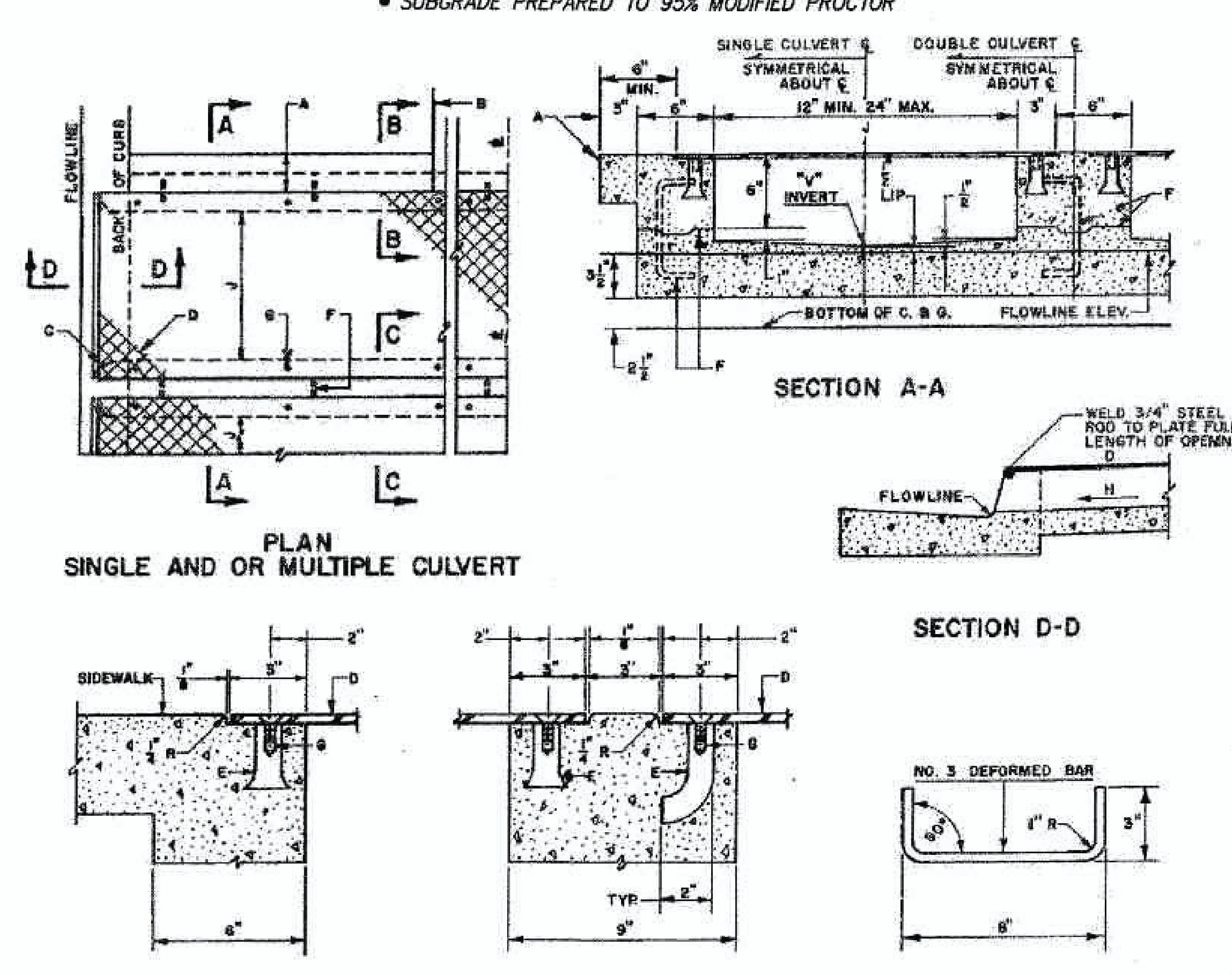
LIGHT DUTY PAVEMENT SECTION
N.T.S

MAJOR ACCESS DRIVES PAVEMENT SECTION
N.T.S

- *HMA TO BE AN APPROVED NMDOT SPIV DESIGN MIX OR AS AUTHORIZED; COMPACTION TO BE FROM 93% TO 98% MAX THEORETICAL DENSITY*
- *BASECOURSE PREPARED TO 100% MODIFIED PROCTOR*
- *SUBGRADE PREPARED TO 95% MODIFIED PROCTOR*

LEGEND

- -5165- CONTOUR–MAJOR
- CONTOUR–MINOR
- TOP CURB/FLOWLINE
- x 00.00 SPOT ELEV
- CURB AND GUTTER
- CONCRETE/SIDEWALK
- WALL OR HEAD WALL
- SANITARY SEWER MANHOLE
- SANITARY SEWER
- STORM DRAIN MANHOLE
- CATCH BASIN/DROP INLET
- STORM DRAIN
- FIRE HYDRANT
- WATER VALVE
- WATER
- GAS MARKER–UG
- GAS METER
- TELEPHONE/FIBER OPTIC MANHOLE
- FIBER OPTIC PULL BOX
- FIBER OPTIC
- SIGN
- TREE
- *MAJOR ACCESS DRIVES*



SECTION A-A

PLAN
SINGLE AND OR MULTIPLE CULVERT

SECTION D-D

SECTION B-B

SECTION C-C

DOWEL DETAIL

GENERAL NOTES:

1. PLACING OF DRAIN THRU EXIST. SIDEWALK AND CURB & GUTTER REQUIRES THAT ENTIRE SIDEWALK AND C & G STONES BE REMOVED AND REPLACED AS DETAILED HEREIN.
2. BOTTOM SLAB OF CULVERT SHALL BE POURED MONOLITHICALLY WITH NEW GUTTER.
3. THE INVERT SHALL BE TROWELED TO PRODUCE A HARD POLISHED SURFACE OF MAX DENSITY AND SMOOTHNESS. INVERT SHALL BE V-SHAPED TO WITHIN 3" OF OUTLET, THEN WARPED TO PARALLEL FLOWLINE AT OUTLET, UNLESS OTHERWISE SHOWN.
4. ALL EXPOSED CONC. SURFACE SHALL MATCH GRADE, COLOR, FINISH AND SCORING OF ADJACENT CURB AND SIDEWALK.
5. SIDEWALK REPLACED DURING CONSTRUCTION SHALL BE POURED MONOLITHICALLY WITH CULVERT WALLS.
6. IF ROD ANCHORS ARE USED, DRILL & TAP FOR F.H. MACHINE SCREW. ATTACH ANCHORS TO PLATE AND SECURE PLATE IN PLACE PRIOR TO POURING OF WALLS.
7. LENGTH OF EACH PLATE SHALL BE SUCH THAT THE WEIGHT WILL NOT EXCEED 300 LBS. AND SHALL BE STRESS RELIEVED AFTER FABRICATION. CLEAN SURFACE OF PLATE AND FRAMING MEMBERS AND PAINT W/ ONE SHOP COAT RED OXIDE AND TWO FINISH COATS ALUMINUM PAINT (AASHTO M 69).
8. THE CITY WILL NOT ASSUME RESPONSIBILITY FOR MAINTENANCE OF ANY SIDEWALK CULVERT INSTALLED BY OR FOR PRIVATE PROPERTY OWNERS.

CONSTRUCTION NOTES:

A. MATCH NEAREST CONTROL JOINT, INSTALL 1/2" EXPANSION JOINT.
B. EDGE OF SIDEWALK OR SETBACK (VARIABLE).
C. 3" RADIUS (TYPICAL).
D. 3/8" CHECKERED STEEL PLATE (PAINT PER NOTE 7, ABOVE).
E. FOR SECURING PLATE USE 1"X 5" S.S. ROD ANCHOR, "RED HEAD MULTI-SET II SAM-38 ANCHOR" OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S INSTRUCTIONS AT MAX. 24" O.C., A MINIMUM OF 2 PER SIDE AND ONE WITHIN 6" OF EACH END.
F. CONSTRUCTION JOINT IS OPTIONAL. IF USED, SPACE DOWELS AT 18" O.C. MAX., 1 1/2" MINIMUM FROM FACE OF CONCRETE.
G. 3/8" - 16 x 1 1/4" COUNTERSUNK, F.H., STAINLESS STEEL, MACHINE SCREW.
H. SLOPE 1/4" PER FT. MIN.
J. DRAIN WIDTH PER PLAN (12" MIN., 24" MAX).

REVISIONS	CITY OF ALBUQUERQUE
	DRAINAGE SIDEWALK CULVERT WITH STEEL PLATE TOP DWG. 2236 AUG.1986

GENERAL NOTES:

1. *CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.*
2. *CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION SHALL GOVERN ALL WORK.*
3. *THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.*
4. *THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AND WETTING THE SOIL TO KEEP IT FROM BLOWING.*
5. *NO WORK ALLOWED IN THE PUBLIC RIGHT OF WAY WITHOUT AN APPROVED WORK ORDER.*
6. *THE SITE IS NOT IN A FLOOD PLAIN IN ACCORDANCE WITH FEMA MAP 35001C0342G, EFFECTIVE DATE SEPTEMBER 26, 2008.*

KEYED NOTES

1. *5' WIDE SIDEWALK PER CITY OF ALBUQUERQUE DWG 2340*
2. *TWO 2' WIDE DRAINAGE SIDEWALK CULVERTS SAW CUT EXISTING CURB AND GUTTER.*
3. *MEDIAN CURB AND GUTTER*
4. *4" MINUS RIPRAP (13 SY).*
5. *FRENCH DRAIN, SEE DETAIL*
6. *GRAVEL MULCH SLOPE*
7. *SAWCUT AND REMOVE EXISTING CURB AND PAVEMENT AS REQUIRED*
8. *REMOVE EXISTING TREE AND ASPHALT*

ESC LEGEND

- LIMITS OF DISTURBANCE
- SILT FENCE
- CUT BACK CURB
- INLET PROTECTION
- VEHICLE TRACKING CONTROL (VTC)
- SANITARY TOILET (TBD)
- WASTE CONTAINER (TBD)
- CONCRETE WASHOUT (CWA) (TBD)
- FLOW ARROW
- SEDIMENT TRAP

MICHAEL DAVID TULL
NEW MEXICO
21757
PROFESSIONAL ENGINEER
9/11/19

888-712-5120
PO BOX 400
LOS LUNAS NM 87031

BASED ON GRADING PLAN BY OTHERS
DATE 9-10-19

Randolph Road Project

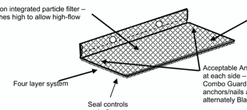
EROSION AND SEDIMENT CONTROL PLAN

MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505)828-2200, FAX (505)797-9539

Designed: HC/ CP	Drawn: SPS/ CP	Checked:	ESC 101
Scale: 1" = 30'	Date: 6/27/2019	Job:	

F:\A19JOBS\A19012 Randolph Rd\GRADE & DRAIN\A19012 GD.dwg, Last saved by: Cory, 5/2/19

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



Product Designation	Grate Size
CG 28x22	Fits 23" by 19" Grate
CG 58x22	Fits 36" x 18" **and** 36" x 20" **and** 40" x 17" Grates
CG 48x27	Fits 40" x 24" Grate
CG 58x30	Fits 42" x 28" Grate

Custom sizes available upon request

Definition – ERTEC 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 drain inlet near disturbed soil. Anchor with 2 Gravel Bags, or alternately 2 ERTEC GR-8 Hooks™ or alternately concrete anchors/nails or alternately black UV stable cable ties (24 to 36").

Purpose
Storm drain inlet protection is used to intercept sediment laden water at the curb and grate opening and prevent the sediment, associated pollutants and debris from entering the storm water underground pipe systems. The system reduces water velocity which causes heavier soil particles to be deposited above ground. While allowing flow through the module, the barrier filters certain smaller sized particles from suspension and prevents them from flowing through the device and into the pipes. Heavy flows are passed over the top of the filter. Advantages are that it is effective, durable, re-usable, easily installed and cleaned.

Conditions Where the Practice Applies
It is recommended for use over curb & grate openings with small drainage areas. Generally, the drainage 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 area.

Design Criteria
- Geo-textile Filter: Apparent Opening Size (AOS) = 425 micron integrated particle filter. Flow rate (ASTM D-4491) = 145 gpm/ft². Provide a bypass over the top.
- Outer Jacket Material: HDPE. For detailed characteristics contact ERTEC. Module weight = 3 to 5 lbs. Module height = 6.0". Module length/opening size protected varies as per the chart above – according to grate size. Service temperature (deg F) = -30 to 160.
- Install system with the vertical section covering the curb inlet and the horizontal section covering the grate. Alternate anchor methods listed above. If using Gravel Bags - place small gravel bags containing clean, pea-sized graded gravel on each end of the cover and butt the bags tightly against the curb to keep water in the gutter from flowing behind the filter (do not use sandbags). The porosity of the gravel bag should allow for design flow rate through the bag. The bag should be durable enough to last the period of intended use. If the storm inlet opening exceeds 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.

Maintenance
Perform maintenance as required. Inspect following rainfall events and at least daily during prolonged rainfall. Maintain to provide an adequate sediment holding capacity. Debris shall be removed daily and sediment shall be removed when the sediment accumulation reaches 2 inches. Removed sediment shall be incorporated in the project at designated locations or disposed-of outside the project or in conformance with requirements. Remove the device after final stabilization has been achieved.

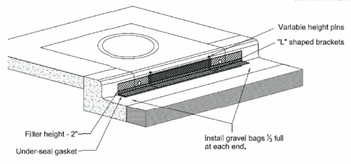
ERTEC
Combo Guard™

www.ertecsystems.com
Toll Free: 866-521-0724

H400032 Updated: 8/11

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

Inlet Size	# of Modules
5.0'	1 Module
10.0'	2 Modules
15.0'	3 Modules
20.0'	4 Modules



Definition – ERTEC Curb Inlet Guard
A temporary sediment barrier, "L" shaped, made of high density polyethylene (HDPE) with an integrated filter (woven geo-textile). 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 gutter opening and prevent sediment, debris 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 suspension and prevents them from flowing through the device and into the pipes. Excessive flows are passed over the top of the filter. Advantages are that it is effective, durable, re-usable, easily installed and cleaned.

Conditions Where the Practice Applies
It is recommended for use in curb openings in front of areas with small drainage areas. Generally, the drainage 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 area.

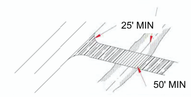
Design Criteria
- Geo-textile Filter: See drawing for dimensions. Apparent Opening Size (AOS) = 425 micron integrated particle filter. Flow rate (ASTM D-4491) = 145 gpm/ft². Provide a bypass over the top.
- Outer Jacket Material: HDPE. For detailed characteristics contact ERTEC. Module weight = 3.5 lbs. Module height = 7.5". Module length/opening size protected = 6' 3"/6.0 ft. Service temperature (deg F) = -30 to 160.
- Install barrier with the anchor flap facing upstream toward the street. Place small gravel bags containing clean, pea-sized graded gravel on each end of the flap and butt the bags tightly against the curb to keep water in the gutter from flowing behind the filter. Additional bags can be placed on the flap as necessary; however, bags should be kept off the street for safety reasons. The porosity of the gravel bag should allow for design flow rate through the bag. The bag should be durable enough to last the period of intended use. If the storm inlet opening exceeds 5.0' in length, overlap one of module by 6" over end of adjoining module for a continuous run until the desired length is achieved. When overlapping, note the gasket material under the flap is cut-out where the flap of top module sits on flap of bottom module.

Maintenance
Perform maintenance as required. Inspect following rainfall events and at least daily during prolonged rainfall. Maintain to provide an adequate sediment holding capacity. Trash shall be removed daily and sediment shall be removed when the sediment accumulation reaches 1 inch. Removed sediment shall be incorporated in the project at designated locations or disposed-of outside the project or in conformance with requirements. Remove the device after final stabilization has been achieved.

ERTEC
Curb Inlet Guard™
ERTEC Environmental Systems
www.ertecsystems.com
Toll Free: 866-521-0724

H999222 Updated: 02/10

Stabilized Construction Entrance/Exit



Applications
- Perimeter Control
- Slope Protection
- Sediment Trapping
- Channel Protection
- ✓ Temporary Stabilization
- Permanent Stabilization
- Waste Management
- Housekeeping Practices

Targeted Constituents
- ✓ Sediment
- Nutrients
- Toxic Materials
- Oil and Grease
- Floatable Materials
- Construction Wastes

Impact
- ✓ Significant
- ✓ Medium
- Low
- Unknown or Questionable

DESCRIPTION
A stabilized construction entrance consists of a pad of crushed stone, recycled concrete, or other rock-like material on top of a geotextile filter cloth, which is used to facilitate the washdown and removal of sediment and other debris from construction equipment prior to exiting the site. During the construction phase of a project, regular street sweeping should be performed to remove debris carried from the site.

PRIMARY USE
Stabilized construction entrances are used to reduce offsite sediment tracking from trucks and construction equipment, and for sites where considerable truck traffic occurs each day. They also reduce the need to clean adjacent pavement as often, and help route site traffic through a single point.

APPLICATIONS
As a part to the erosion-control plan required for sites larger than five acres, and recommended for all construction sites.

LIMITATIONS
Selection of the construction entrance location is critical. To be effective, it must be used exclusively.

Stabilized entrances are rather expensive, considering that they must be installed in combination with one or more other sediment control techniques. It may be more cost effective, however, than labor-intensive street cleaning.

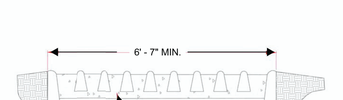
MAINTENANCE REQUIREMENTS
Inspections should be made on a regular basis and after large storm events in order to ascertain whether or not sediment and pollution are being effectively detained on site.

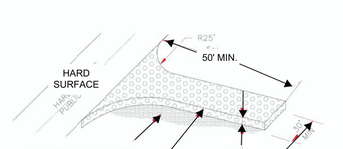
When sediment has substantially clogged the void area between the rocks, the aggregate mat must be washed down or replaced.

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

01C11R.DOC

Stabilized Construction Entrance/Exit (continued)

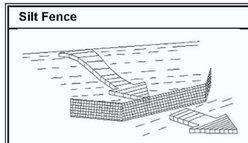




ROCK / AGGREGATE VEHICLE TRACKING CONTROL

01C11R.DOC

Silt Fence



Applications
- ✓ Perimeter Control
- ✓ Slope Protection
- ✓ Sediment Trapping
- Channel Protection
- Temporary Stabilization
- Permanent Stabilization
- Waste Management
- Housekeeping Practices

Targeted Constituents
- ✓ Sediment
- Nutrients
- Toxic Materials
- Oil and Grease
- ✓ Floatable Materials
- Construction Wastes

Impact
- ✓ Significant
- ✓ Medium
- Low
- Unknown or Questionable

SF

DESCRIPTION
A silt fence consists of geotextile fabric supported by backing stretched between posts, with the lower edge securely embedded in soil downstream of disturbed areas. Intercepts runoff in the form of sheet flow and provides filtration, sedimentation, and velocity reduction.

PRIMARY USE
Silt fences are used as perimeter control downstream of disturbed areas, and for non-concentrated sheet-flow conditions.

APPLICATIONS
Silt fences provide an economical way to mitigate overflow, non-concentrated flows, and as a perimeter control device. Best with coarse to silty soil types and to control wind erosion on sandy soils.

LIMITATIONS
Minor ponding will likely occur at the upstream side of the silt fence, resulting in minor localized flooding.

Fences that are constructed in swales or low areas subject to concentrated flow may be overtopped, resulting in failure of the filter fence. Silt fences subject to areas of concentrated flow (waterways with flows >1 cfs) are not acceptable.

Silt fence can interfere with construction operations; therefore, planning of access routes onto the site is critical.

Silt fence can fail structurally under heavy storm flows, creating maintenance problems and reducing the effectiveness of the system.

MAINTENANCE REQUIREMENTS
Inspections should be made on a weekly basis, especially after large storm events. If the fabric becomes clogged, it should be cleaned or, if necessary, replaced.

Sediment should be removed when it reaches approximately one-half the height of the fence.

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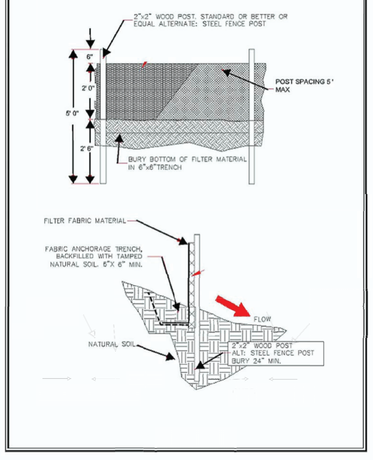
Silt Fence (continued)



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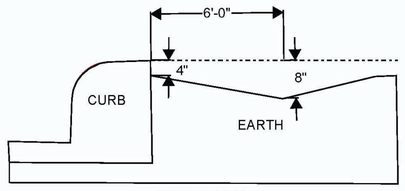
Cut-Back Curb Detail



NOT TO SCALE

Green Globe Environmental, LLC
P.O. Box 400, Los Lunas, NM 87131
888-712-5120

	CUT BACK CURB	
	SCALE: NTS	DETAIL NO. CBC
	DATE: MAR 2016	

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

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULFILLING ALL NECESSARY NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS INCLUDING, BUT 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 SWPPP.
7. CONSTRUCTION AREAS SHALL BE WATERED FOR DUST CONTROL IN COMPLIANCE WITH 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. UNLESS 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 EDITION.
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 DEBRIS, 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 HAUL 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 REGULATIONS.
12. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING CONSTRUCTION NOISE AND HOURS OF OPERATION.
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 IN THE APPROVED SWPPP.

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DRAWN BY SLK
REVIEWED BY MDT
DATE 5/30/19
PROJECT NO.
DRAWING NAME
EROSION AND SEDIMENT CONTROL DETAILS AND NOTES

SHEET NO.
ESC 102