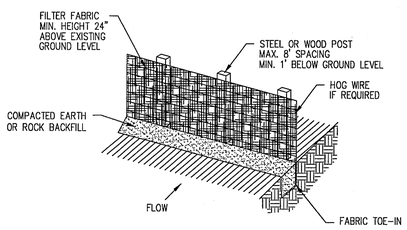
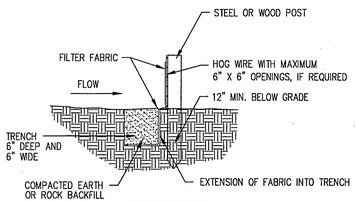


ISOMETRIC VIEW



SECTION VIEW

SILT FENCE

N.T.S.

A. INSPECTIONS OF ALL ON-SITE EROSION CONTROL DEVICES SHALL OCCUR ONCE EVERY TWO (2) WEEKS AND WITHIN 24 HOURS AFTER A STORM EVENT OF 1/2" OR MORE OF RAIN IN A 24 HOUR PERIOD.

B. THE INSPECTIONS SHALL INCLUDE:
1. ALL DISTURBED AREAS THAT HAVE NOT BEEN STABILIZED.
2. ALL AREAS USED FOR MATERIAL STORAGE THAT ARE EXPOSED TO PRECIPITATION.
3. ALL STRUCTURAL CONTROL MEASURES.
4. ALL LOCATIONS WHERE VEHICLES ENTER OR LEAVE THE SITE.
5. IDENTIFY A MEASURES THAT NEED TO BE MAINTAINED, MODIFIED, OR ADDED TO, TO CORRECT PROBLEMS.

1. ALL ON SITE SEDIMENT BARRIERS ON THE DOWN SLOPE PART OF THE SITE SHALL BE PLACED WITH ENDS OF THE SEDIMENT BARRIERS TURNED UNDER TO FORM A TRAP TO PREVENT ANY MATERIALS FROM FLOWING OFF THE SITE.

2. ALL EXPOSED SOIL ON AND ADJACENT TO THE SITE THAT IS DISTURBED BY VEHICLES GRADING, OR DISTURBED IN ANY WAY SHALL BE PERMANENTLY STABILIZED.

3. PREVENT THE DISCHARGE ALL BUILDING MATERIALS, LIME, CEMENT, CONCRETE, ASPHALT, AND MORTAR INTO THE WATERS OF THE UNITED STATES OF AMERICA.

4. IF ANY TEMPORARY FUEL TANKS ARE PLACED ON THE PROPERTY THEN A LIQUID TIGHT BERMED AREA (LINER REQUIRED) OR OTHER SPILL PROTECTION MEASURE SHALL BE PLACED ON THE SITE PER THE FIRE CODE.

5. PROVIDE A PIT FOR THE TEMPORARY ON-SITE DISPOSAL OF CONCRETE WASTE FROM MIXING DRUMS OR CONCRETE TRUCKS. AT COMPLETION OF USE OF THE PIT THE SPOILS FROM THE PIT SHALL BE DISPOSED IN A LAWFUL MANNER.

6. CONTAIN RUNOFF FROM ANY MATERIALS USED IN STABILIZING THE SUBGRADES ON THE SITE.

7. A COVERED TRASH RECEPTACLE SHALL BE PROVIDED FOR ANY ON-SITE LITTER AND CONSTRUCTION DEBRIS.

8. ALL EXCAVATED MATERIALS SHALL PLACED IN AN AREA ON THE SITE SUCH THAT MATERIALS CAN BE COVERED WITH PLASTIC TO PREVENT SILT FLOW ONTO THE SITE OR THE SURROUNDING AREAS. A PLASTIC LINER SHALL BE PLACED UNDER UNDER ANY MATERIALS THAT ARE PLACED ON CONCRETE.

9. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER SO THAT THE DOWN SLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. HERE FENCE CANNOT BE TRENCHED IN (e.g. PAVEMENT) WEIGHT FABRIC FLAP WITH WASHED GRAVEL ON THE UPHILL SIDE TO PREVENT FLOW UNDER FENCE.

10. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 5 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.

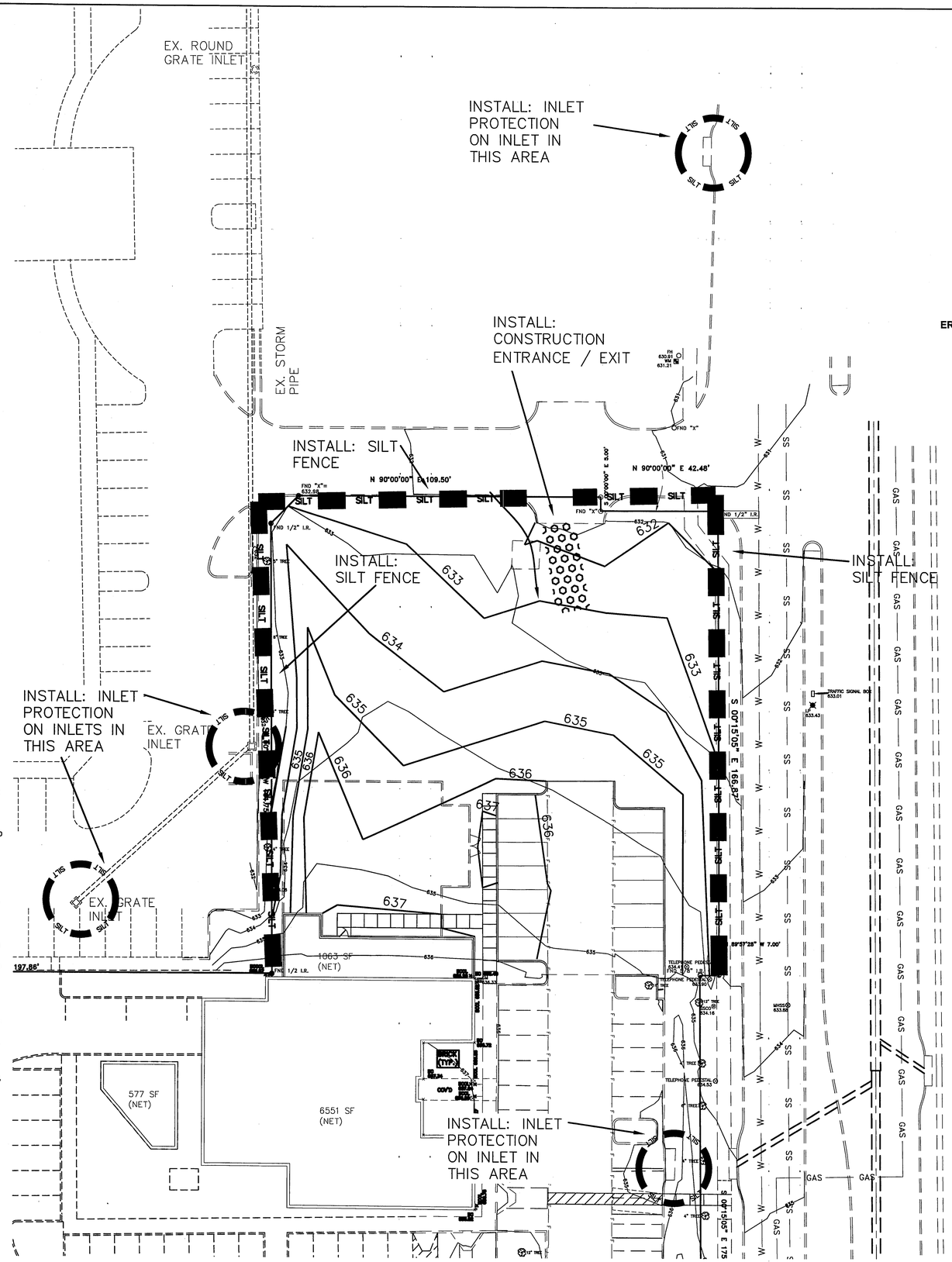
11. SILT FENCE SHALL BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE WHICH IS IN TURN ATTACHED TO THE STEEL SUPPORT POST. THERE SHALL BE A 6 INCH DOUBLE OVERLAP SECURELY FASTENED WHERE ENDS OF FABRIC MEET.

12. INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.

13. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE

14. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHED A DEPTH OF 6 INCHES. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

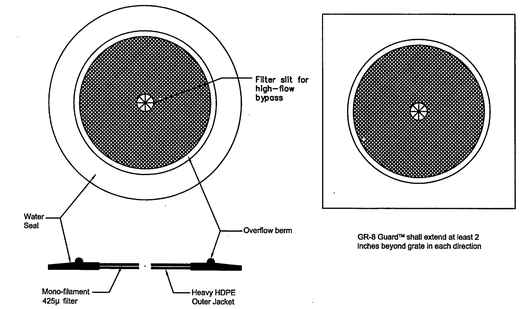
15. CONTRACTOR TO DEMONSTRATE THAT ALL FEDERAL, STATE AND LOCAL LAWS WILL COMPLIED WITH CONCERNING ON SITE WASTE (HUMAN) DISPOSAL DURING CONSTRUCTION.



ERTEC® GR-8 Guard™
Installation Details

Round Version: for round grates up to 36"

Rectangular Version: for rectangular grates

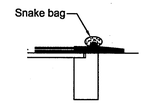


ERTEC® GR-8 Guard™
Installation Details

Semi-Permanent Installation (1-2 years)

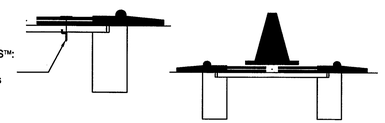
Notes:
1. Install ERTEC GR-8 Hooks™ flush with top netting so that washer is in good contact with surface. Tighten screw until there is good compression.
2. Install 3 anchors in round filters and 4 anchors in rectangular filters.
3. GR-8 Guard must extend past grate on each side by at least 2 inches.

Temporary Installation Alternatives



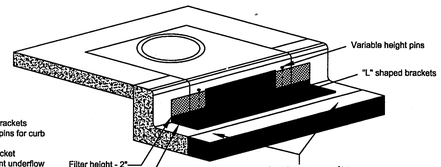
Snake Bag:
1. Place small snake bags or equivalent (gravel bags) containing clean, pea sized graded gravel around perimeter of GR-8 Guard.

** NOT TO SCALE **



Traffic Cone:
1. Place traffic cone on top of GR-8 Guard.

ERTEC® Curb Inlet Guard™
Details



Construction Details
* Minimum 2 integrated "L" Brackets
* Minimum 2 variable-height pins for curb
* Filter height = 2 inches
* UV resistant HDPE outer jacket
* Under-seal gasket to prevent underflow
* CIG height = 8 inches (min)
* CIG length = 6.25 feet

Installation Details
* **Placement:** place CIG tightly against drain opening with metal variable height pins at top.
* **Change height for high openings:** extend variable height pins upward if necessary.
* **Interconnecting for long curb openings:** overlap segments so the bottom gasket provides a continuous seal (one side has a cut-out). Each 6.25" segment fits a 5 foot opening or smaller. Use 2 segments for 8 to 10 feet. Use 3 segments for 15 feet, etc.
* **Anchoring:** Install gravel bags at each end and at overlaps. Use ½ full gravel bags for low profile and best traffic avoidance. Use clean gravel at drain inlets - not sand. Select bags with long term UV exposure and toughness for resistance to traffic. Where not possible to install gravel bags due to traffic proximity, it is acceptable to anchor with concrete anchors, or masonary nails - one at each end. Anchor Curb Inlet Guard so that water cannot flow behind it. Use 1" washers.

Inlet Size	# of CIG Segments
5'	1
10'	2
15'	3
20'	4
25'	5
30'	6

Important: All information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each project for their application. ERTEC Environmental Systems makes no warranties as to the accuracy of completeness of the information, and disclaims any liability regarding its use. ERTEC Environmental Systems only obligations are those in the ERTEC Environmental Systems Standard Terms and Conditions of Sale for this product, and in no case will ERTEC Environmental Systems or its distributors be liable for any incidental indirect or consequential damages arising for the sale, resale, use or misuse of the product. Specifications are subject to change without notice. In addition, ERTEC Environmental Systems reserves the right to make changes, without notification to Buyer, to processing or materials that do not affect compliance with any applicable specification.

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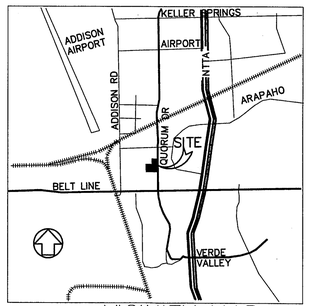
ERTEC
ERTEC - Installation Details - Curb Inlet Guard.dwg
P1 Details
Revision 1 - 11/09
8.5" x 11" | 1 of 1



VICINITY MAP
N.T.S.

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ARTHURS RESTAURANT
QUORUM DRIVE
ADDISON, TEXAS

TOWN OF ADDISON PUBLIC WORKS NO. 2007-014

DATE	COMMENT
10-13-2009	REFLECTS OWNER REVISIONS TO PROJECT
11-03-2009	REFLECTS GRADING REVISIONS TO PROJECT TO DIRECT STM. WTR. TO EX. ON-SITE INLET
11-11-2009	REFLECTS CITY COMMENTS RECVD. 11-1-09

STATE OF TEXAS
MICHAEL N. PEEPLES
38298
REGISTERED PROFESSIONAL ENGINEER
11/13/2009

EROSION CONTROL

SHEET NO.
EC-1