

INSTALL:  
1-12" X6" TAPPING  
SLEEVE  
1-8" VALVE  
39 L.F. 14" BORE  
AND CASING

INSTALL:  
1-8" X6" TEE  
1-8" 90° BEND  
1-FH COMPLETE  
W/TEE, VALVE,  
PIPING, AND BLOCKING

EXIST. 12" WATER

DALTON ROAD

N89°35'27"E

616.28'

EXIST. 6" FORCE MAIN

317.14'

2  
49,660 S.F.  
100 ACRES  
FUTURE PARSONAGE

BLOCK A  
1  
163,286 S.F.  
3.62 ACRES

INSTALL 1,535 L.F. SILTATION FENCE

INSTALL:  
1-1" SERVICE

PROPOSED  
FAMILY LIFE CENTER  
PROPOSED  
FAMILY LIFE CENTER

FUTURE SANCTUARY

INSTALL:  
1-FH COMPLETE  
W/TEE, VALVE,  
PIPING, AND BLOCKING

24" FIRE LANE  
& UTIL. ESMT.

S88°55'14"W

712.41'

INSTALL:  
CONST. 4" MH OVER  
EXIST. 8" MAIN  
1-8" SEWER SERVICE  
TOP M.H. ELEV. = 545.00'  
F.L. 8" SANI-SEWER = 538.68'

STATE HWY. 205

## STANDARDS FOR SILT FENCE

### DEFINITION

TEMPORARY BARRIER FENCE MADE OF BURLAP OR POLYPROPYLENE MATERIAL WHICH IS WATER PERMEABLE BUT WILL TRAP WATER - BORNE SEDIMENT.

### PURPOSE

TO INTERCEPT AND DETAIN WATER - BORNE SEDIMENT FROM UNPROTECTED AREAS OF LIMITED EXTENT.

### CONDITIONS WHERE PRACTICE APPLIES

SILT FENCE IS USED DURING THE PERIOD OF CONSTRUCTION NEAR THE PERIMETER OF A DISTURBED AREA TO INTERCEPT SEDIMENT WHILE ALLOWING WATER TO PERCOLATE THROUGH. THIS FENCE SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS PERMANENTLY STABILIZED. SILT FENCE SHOULD NOT BE USED WHERE THERE IS A CONCENTRATION OF WATER IN A CHANNEL OR OTHER DRAINAGE WAY.

### DESIGN CRITERIA

SILT FENCE IS CONSTRUCTED NEAR THE PERIMETER OF A DISTURBED SITE WITHIN THE DEVELOPING AREA. IT IS NOT TO BE CONSTRUCTED OUTSIDE THE PROPERTY LINES WITHOUT OBTAINING A LETTER OF PERMISSION FROM THE AFFECTED ADJACENT PROPERTY OWNERS.

A DESIGN IS NOT REQUIRED FOR THE INSTALLATION OF THE SILT FENCE. HOWEVER, THE FOLLOWING CRITERIA SHALL BE OBSERVED:

- DRAINAGE AREA - LESS THAN TWO ACRES
- HEIGHT - 30 INCHES MINIMUM HEIGHT MEASURED FROM EXISTING OR GRADED GROUND.
- MATERIAL - BURLAP, POLYPROPYLENE FABRIC, OR NYLON REINFORCED WITH POLYESTER NETTING. THE MULLEN BURST STRENGTH SHALL BE GREATER THAN 150 PSI. THE EDGES SHALL BE TREATED TO UNRAVELING UNRAVELING.
- SUPPORT - STEEL FENCE POSTS SPACED A MAXIMUM OF 8 FEET APART. WOVEN WIRE WILL BE USED TO SUPPORT THE MATERIAL.

### OUTLET

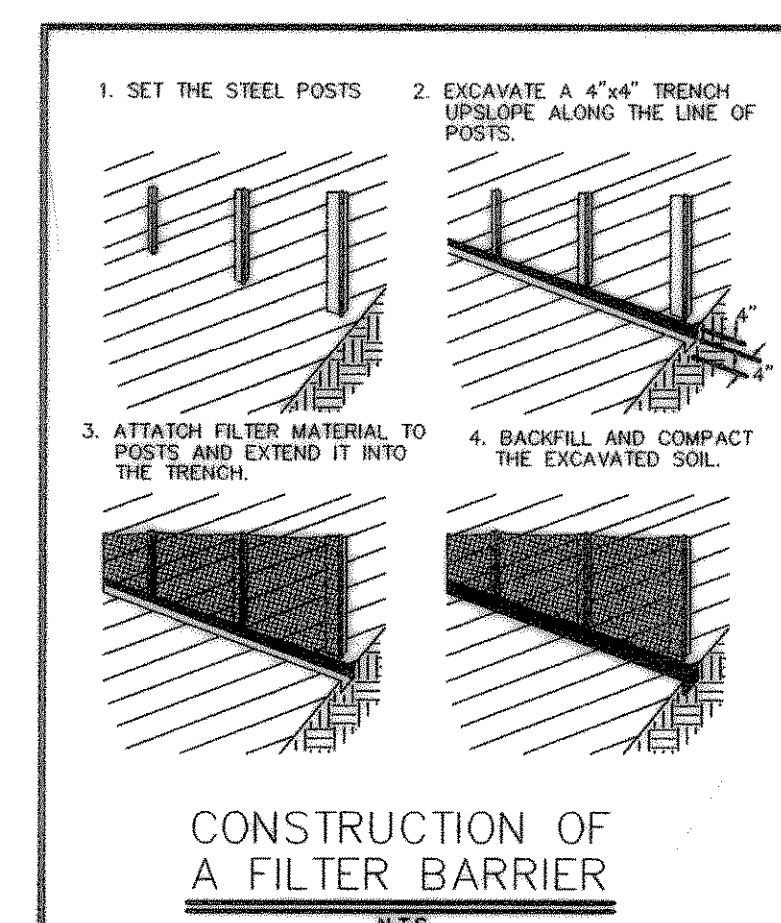
SILT FENCE SHALL BE PLACED AND CONSTRUCTED IN SUCH A MANNER THAT RUNOFF FROM A DISTURBED SURFACE OR EXPOSED UPLAND AREA SHALL BE INTERCEPTED, SEDIMENT TRAPPED, AND THE SURFACE RUNOFF ALLOWED TO PERCOLATE THROUGH THE STRUCTURE. SILT FENCE SHALL BE PLACED IN SUCH A MANNER THAT SURFACE RUNOFF WHICH PERCOLATES THROUGH WILL FLOW ONTO AN UNDISTURBED STABILIZED AREA OR STABILIZED OUTLET.

### EROSION CONTROL GENERAL NOTES

1. STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE.
2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW.
3. THE TRENCH SHOULD BE A MINIMUM OF 4 INCHES DEEP AND 4 INCHES WIDE TO ALLOW FOR THE SILT FENCE TO BE LAID IN THE GROUND AND BACKFILLED.
4. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IS IN TURN ATTACHED TO THE STEEL FENCE POSTS.
5. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
6. SILT FENCE SHALL BE REMOVED WHEN IT HAS SERVED ITS USEFULNESS, SO AS NOT TO BLOCK OR IMPERE STORM FLOW OR DRAINAGE.
7. SEDIMENT TRAPPED BY THIS PRACTICE SHALL BE DISPOSED OF IN AN APPROVED SITE IN A MANNER THAT WILL NOT CONTRIBUTE TO ADDITIONAL SILTATION.
8. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 6 INCHES AND DISPOSED OF IN AN APPROVED SPOIL SITE OR AS IN NO. 7 ABOVE.
9. EROSION PROTECTION WILL BE DELETED OR ADDED PER THE CITY OF ROCKWALL.
10. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL EROSION, CONSERVATION, AND SILTATION ORDINANCES. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL DEVICES UPON COMPLETION OF PERMANENT DRAINAGE FACILITIES AND THE ESTABLISHMENT OF A STAND OF GRASS OR OTHER GROWTH TO PREVENT EROSION.
11. ALL SEEDING AND FERTILIZATION OF DISTURBED AREAS WILL BE THE RESPONSIBILITY OF THE GRADING CONTRACTOR.

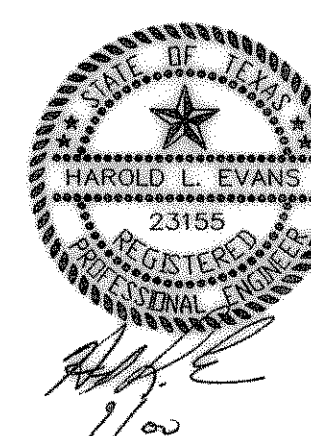
- NOTES:
1. SHOULD WORK GEASE FOR A PERIOD OF 21 DAYS PERMANENT STABILIZATION SHALL BE INSTALLED.
  2. SHOULD THE CONTRACTOR STORE ANY FUEL OR OTHER HAZARDOUS MATERIAL ON SITE THIS PLAN WILL BE MODIFIED TO REFLECT PROTECTION MEASURES.

## EROSION CONTROL DETAILS



AS BUILT

B.M.  
CITY OF ROCKWALL MONUMENT  
LOCATED N 71° 57' 18" W 15.9'  
FROM THE MOST NORTHERLY  
NORTHEAST CORNER OF LOT 1  
ELEV.: 542.38



REV.	DATE	DESCRIPTION
REV. JMA	9/22/00	
REV. JMA	8/14/00	
REV. JMA	8/8/00	
REV.	3/3/99	
REV.	1/4/99	

<b>HAROLD L. EVANS</b>		
<b>CONSULTING ENGINEER</b>		
<b>P.O. BOX 28355</b>		
<b>2331 GUS THOMASSON ROAD, SUITE 102</b>		
<b>DALLAS, TEXAS 75228, ( 214 ) 328-8133</b>		
<b>SCALE</b>	<b>DESIGN</b>	<b>DRAWN</b>
<b>1" = 30'</b>	<b>H.L.E.</b>	

UTILITY & EROSION CONTROL PLAN
THE FREE METHODIST CHURCH
OF NORTH AMERICA ADDITION
CITY OF ROCKWALL

SHEET NO.	5
JOB NO.	9878