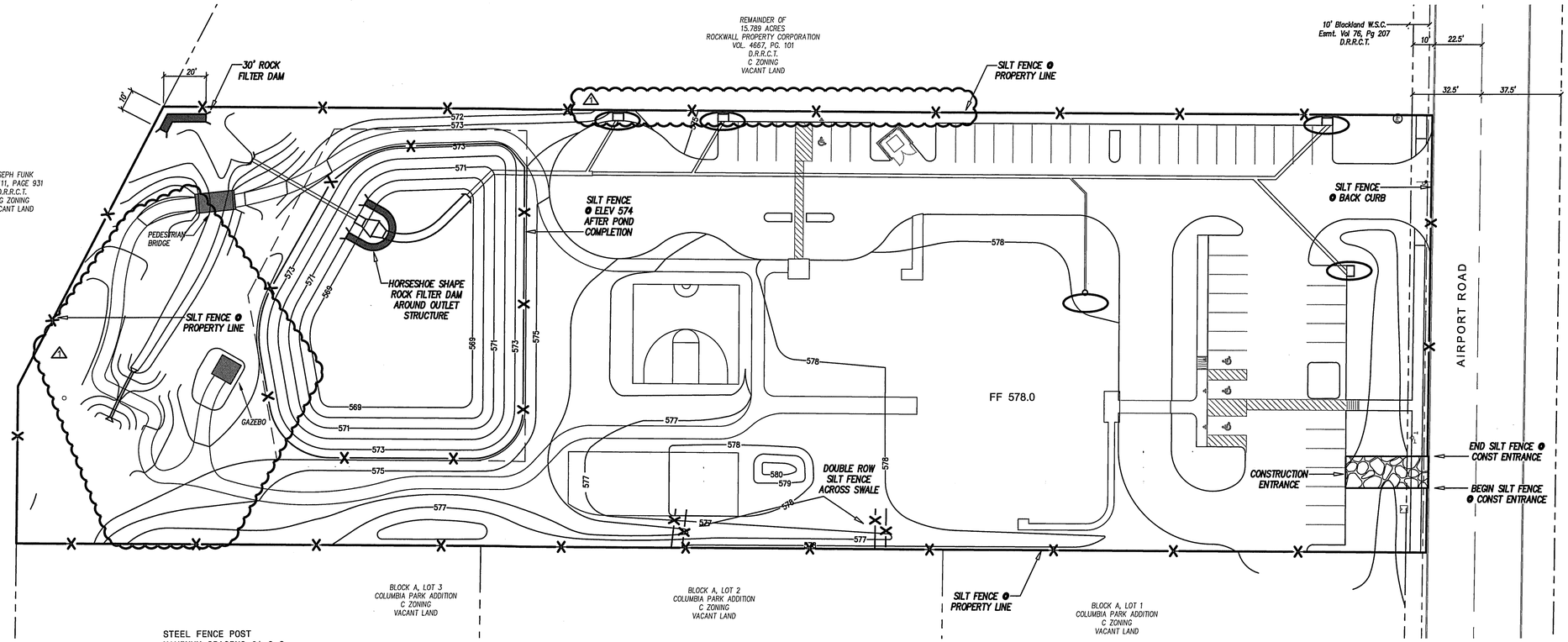



0 15' 30' 60'

## (EROSION CONTROL) LEGEND

| | |
|---|---|
| —X— | PROP. SILT FENCE |
| | CONSTRUCTION ENTRANCE |
| IP | INLET PROTECTION |
| | ROCK FILTER DAM |

## EROSION CONTROL GENERAL NOTES

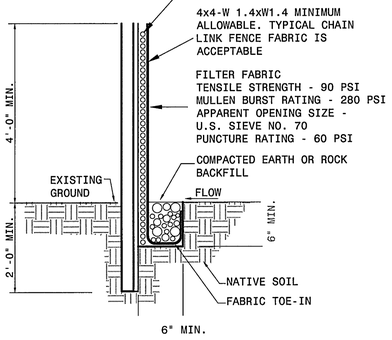
1. TEMPORARY EROSION CONTROL MEASURES SHALL COMPLY WITH COG SPECIFICATION ITEM 3.12 "TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL" COG C.O.P. EROSION CONTROL MANUAL & BEST MANAGEMENT PRACTICES.
2. ALL TEMPORARY EROSION CONTROL DEVICES AND MEASURES SHALL BE INSTALLED AND MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF THE PROJECT.
3. ALL CONTRACTORS SHALL MINIMIZE THE GENERATION OF DUST BY WATERING THEIR WORKING AREAS AND HAUL ROADS AS REQUIRED.
4. CONCRETE WASHOUT SHALL BE SIZED TO PROVIDE A MINIMUM OF 6 CUBIC FEET OF CONTAINMENT AREA VOLUME FOR EVERY 10 CUBIC YARDS OF CONCRETE POURED.
5. GRATE INLETS, WYE INLETS AND CURB INLETS SHALL HAVE INLET PROTECTION ADDED UPON COMPLETION.
6. POND TO BE INSTALLED AND FULLY FUNCTIONING WITH SIDES AND BOTTOM STABILIZED WITH EITHER ANCHORED CURLEX OR SOD PRIOR TO ANY PAVING INCLUDING SLAB.
7. ALL DISTURBED AREA TO HAVE 75-80% 1" TALL GRASS COVERAGE PRIOR TO ENGINEERING ACCEPTANCE.

DISTURBED AREA
3.0 ACRES

**RECORD DRAWINGS**

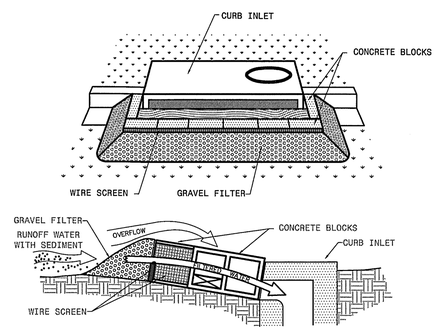
TO THE BEST OF OUR KNOWLEDGE BINKLEY & BARFIELD - C&P, INC., HEREBY STATES THAT THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

DATE: 7-1-2014 SIGNATURE: _____
BINKLEY & BARFIELD - C&P, INC.




## SILT FENCE DETAIL
N.T.S.

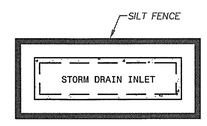
1. STEEL POST WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT.
2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWN SLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (E.G.PAVEMENT), WEIGHT FABRIC FLAP WITH ROCK ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.
3. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
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 POST. THERE SHALL BE A 3 FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
5. INSPECTION SHALL BE MADE WEEKLY AND AFTER EACH RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.



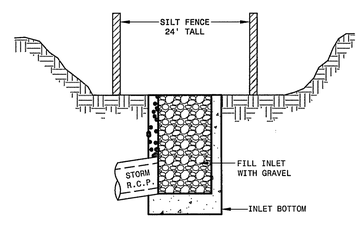

## BLOCK & GRAVEL CURB INLET SEDIMENT FILTER
N.T.S.

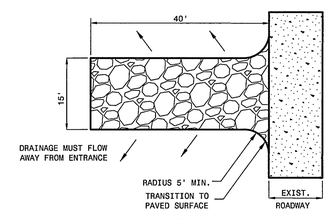
SPECIFIC APPLICATION
THIS METHOD OF INLET PROTECTION IS APPLICABLE AT CURB INLETS WHERE AN OVERFLOW CAPABILITY IS NECESSARY TO PREVENT EXCESSIVE PONDING IN FRONT OF THE STRUCTURE.

MAINTENANCE
THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.




## STORM DRAINAGE INLET PROTECTION
N.T.S.



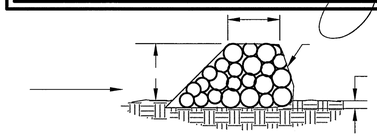




PLAN

## CONSTRUCTION ENTRANCE
N.T.S.

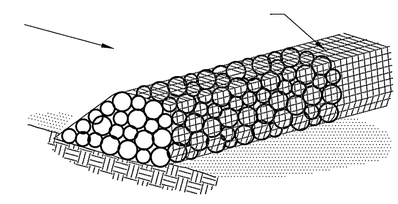
STABILIZED CONSTRUCTION ENTRANCE

1. STONE SIZE - 3 TO 5 INCH DIAMETER CRUSHED ROCK (NO CRUSHED CONCRETE ALLOWED)
2. LENGTH-AS EFFECTIVE, BUT NOT LESS THAN 50 FEET.
3. THICKNESS-NOT LESS THAN 12 INCHES.
4. WIDTH-NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
5. WASHING-WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH, OR WATERCOURCE USING APPROVED METHODS.
6. MAINTENANCE-THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY.
7. DRAINAGE-ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.



CROSS SECTION
N.T.S.

## ROCK FILTER DAM



ISOMETRIC PLAN VIEW
N.T.S.

| Rev | Date | Description | App. |
|---|---|---|---|
| 1 | 6-25-14 | CRD UPDATES. DELETED RETAINING WALL & UPDATED CONCRETE PATH. | T.P.J. |

Designed By: RAA
Drawn By: BS
Checked By: TPJ
Approved By:
Job No.: BC12049
Date: NOV. 30, 2012
Scale: 1"=30' H (22"X34")

ARCHITECT:
JOE CREWS
28 MORRIS LN
TEXARKANA, TX 75503
903-223-8000, EXT. 1450
JOE@JOECREWS.COM

The seal appearing on this document was authorized by Thomas P. Jones, P.E. 58887. Alteration of a sealed document without proper notification to the responsible engineer is an offense under the Texas Engineering Practice Act. Mar. 28, 2013

STATE OF TEXAS — THOMAS P. JONES — 58887 — LICENSED PROFESSIONAL ENGINEER

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DONS@LRMHMRC.ORG

EROSION CONTROL PLAN & DETAILS
BLOCK A, LOT 4, COLUMBIA PARK ADDITION
ROCKWALL, TEXAS

LAKES REGIONAL
MENTAL HEALTH MENTAL RETARDATION CENTER
ROCKWALL, TEXAS

Sheet No: C7 of NS

S:\153000 Lakes Reg MHMR Center\C7 - 153000-EROSION CTRL PLAN-DET.dwg-EROSION CTRL PLAN Plotted Jun 25, 2014 at 3:43pm by kanderson | Last Saved by: kanderson