

**PROJECT DESCRIPTION**

|  |  |
|--|--|
| TOTAL PROJECT AREA                             |  |
| TOTAL AREA TO BE DISTURBED                     |  |
| WEIGHTED RUNOFF COEFFICIENT AFTER CONSTRUCTION |  |
| NAME OF RECEIVING WATER                        |  |

**SOIL STABILIZATION PRACTICES**

|   |  |
|---|--|
| TEMPORARY SEEDING                       |  |
| PERMANENT PLANTING, SODDING, OR SEEDING |  |
| MULCHING                                |  |
| SOIL RETENTION BLANKET                  |  |
| BUFFER ZONE                             |  |
| PRESERVATION OF NATURAL RESOURCES       |  |

**STRUCTURAL PRACTICES**

|                                   |  |
|-----------------------------------|--|
| SILT FENCES                       |  |
| HAY BALES                         |  |
| ROCK FILTER DAMS                  |  |
| PIPE SLOPE DRAINS                 |  |
| PAVED FLUMES                      |  |
| CHANNEL LINERS                    |  |
| SEDIMENT BASINS/ DETENTION PONDS  |  |
| ROCK BEDDING AT CONSTRUCTION EXIT |  |
| CURBS AND GUTTERS                 |  |
| VELOCITY CONTROL DEVICES          |  |
| EROSION CONTROL LOGS              |  |

**OFFSITE VEHICLE TRACKING**

|  |  |
|--|--|
| HAUL ROADS DAMPENED FOR DUST CONTROL           |  |
| LOADED HAUL TRUCKS TO BE COVERED WITH TARPULIN |  |
| EXCESS DIRT ON ROAD REMOVED DAILY              |  |
| STABILIZED CONSTRUCTION ENTRANCE               |  |

**MAINTENANCE**

ALL EROSION AND SEDIMENT CONTROL WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIRS NECESSARY IT WILL BE DONE AT THE EARLIEST DATE POSSIBLE, BUT NO LATER THAN 7 CALENDAR DAYS AFTER THE SURROUNDING EXPOSED GROUND HAS DRIED SUFFICIENTLY TO PREVENT FURTHER DAMAGE FROM HEAVY EQUIPMENT. THE AREA ADJACENT TO CREEKS AND DRAINAGE WAYS SHALL HAVE PRIORITY FOLLOWED BY DEVICES PROTECTING STORM SEWER INLETS.

**INSPECTION**

ALL INSPECTION WILL BE PERFORMED BY A XXX INSPECTOR EVERY SEVEN DAYS OR TWO WEEKS, AS WELL AS AFTER EVERY HALF-INCH OR MORE OF RAIN (AS RECOMMENDED ON A NON-FREEZING RAIN GAUGE TO BE LOCATED AT THE PROJECT SITE). AN INSPECTION AND MAINTENANCE REPORT SHOULD BE MADE FOR EACH INSPECTION. BASED ON THE INSPECTION RESULTS, THE CONTROLS SHALL BE REVISED ACCORDING TO THE INSPECTION REPORT.

**WASTE MATERIALS**

THE DUMPSTER USED TO STORE ALL WASTE MATERIAL WILL MEET ALL STATE AND THE CITY OF PEARLAND SOLID WASTE ORDINANCE. ALL TRASH AND CONSTRUCTION DEBRIS WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED AS NECESSARY OR AS REQUIRED BY LOCAL REGULATION AND THE TRASH WILL BE HAULED TO A LOCAL DUMP. NO CONSTRUCTION WASTE MATERIAL WILL BE BURIED ON SITE.

**HAZARDOUS WASTE (INCLUDING SPILL REPORTING)**

IN THE EVENT OF A SPILL WHICH MAY BE CONSIDERED HAZARDOUS, THE CITY OF PEARLAND FIRE DEPARTMENT SHALL BE CONTACTED IMMEDIATELY AT 281-997-4650.

**SANITARY WASTE**

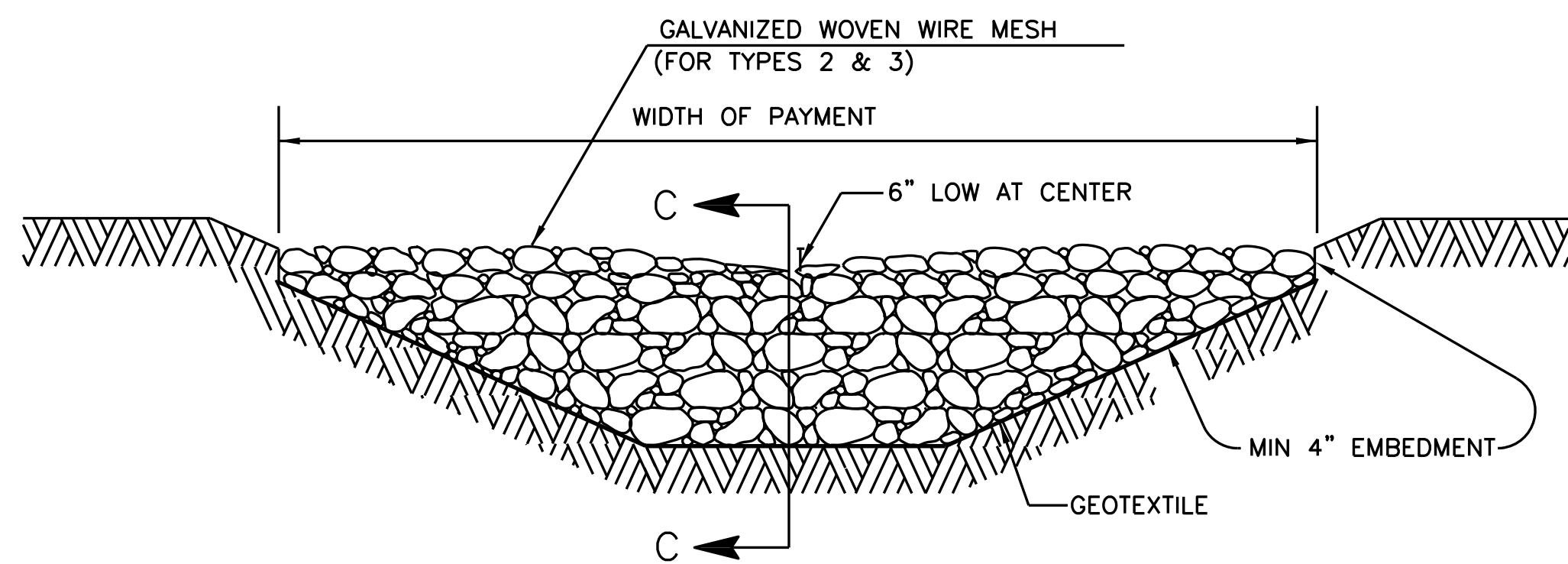
CONTRACTOR SHALL PROVE SANITARY WASTE FACILITIES IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS AND SPACING. ALL SANITARY WASTE SHALL BE COLLECTED FROM THE PORTABLE UNITS BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR OR FIRM AS NEEDED OR AS REQUIRED BY LOCAL REGULATIONS.

**ADDITIONAL**

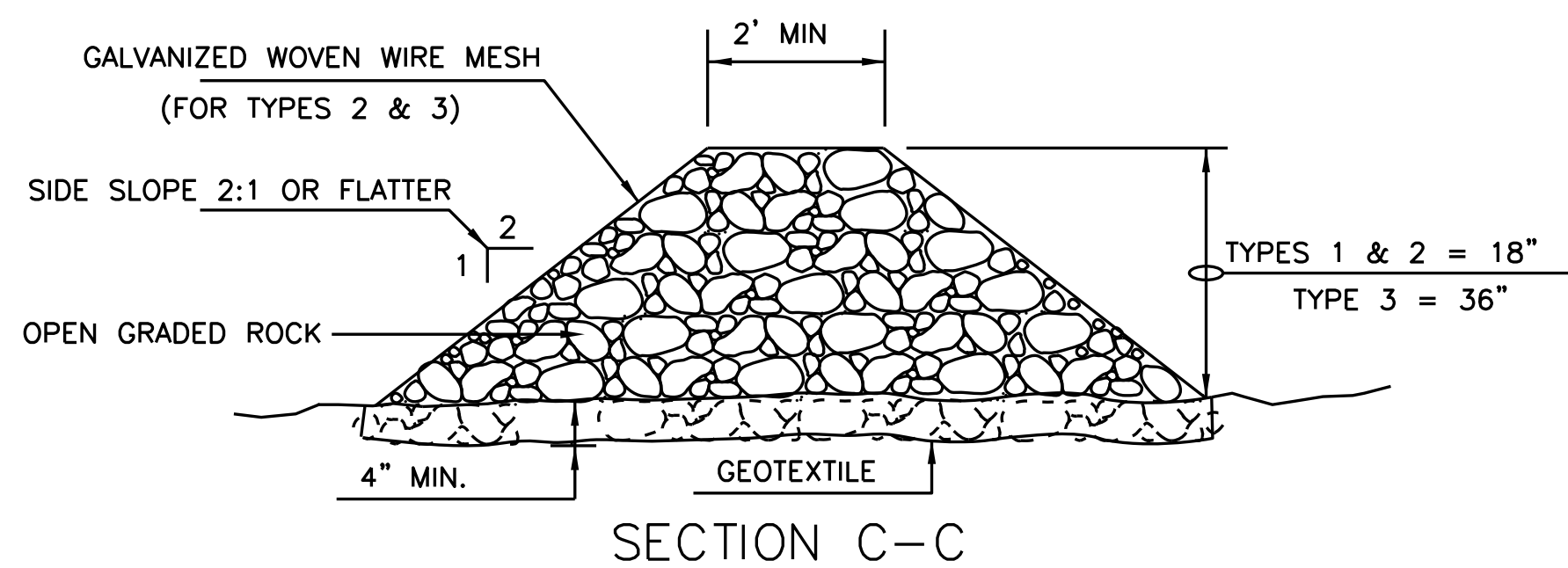
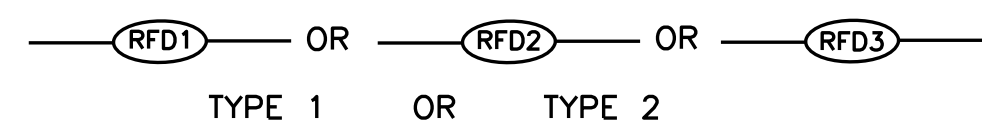
DISPOSAL AREAS, STOCKPILES, AND HAUL ROADS SHALL BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE AND CONTROL THE SEDIMENT THAT MAY ENTER RECEIVING WATERWAYS.

CONSTRUCTION STAGING AREAS AND VEHICLE MAINTENANCE AREAS SHALL BE CONSTRUCTED BY THE CONTRACTOR IN A MANNER WHICH MINIMIZES THE RUNOFF OF ALL POLLUTANTS.

ALL WATERWAYS SHALL BE CLEARED AS SOON AS PRACTICAL OF TEMPORARY EMBANKMENTS, TEMPORARY BRIDGES, MATTING, FALSEWORK, PILING, DEBRIS, AND OTHER OBSTRUCTIONS PLACED DURING CONSTRUCTION OPERATIONS THAT ARE NOT PART OF THE FINISHED OWRK.



**FILTER DAM AT CHANNEL SECTIONS**



**SECTION C-C**

**ROCK FILTER DAM USAGE GUIDELINES**

ROCK FILTER DAMS SHOULD BE CONSTRUCTED DOWNSTREAM FROM DISTURBED AREAS TO INTERCEPT SEDIMENT FROM OVERLAND RUNOFF AND/OR CONCENTRATED FLOW. THE DAMS SHOULD BE SIZED TO FILTER A MAXIMUM FLOW THROUGH RATE OF 60 GPM/FT OF CROSS SECTIONAL AREA. A 3-YEAR STORM FREQUENCY MAY BE USED TO CALCULATE THE FLOW RATE.

**TYPE 1 (18" HIGH WITH NO WIRE MESH):** TYPE 1 MAY BE USED AT THE TOE OF SLOPES, AROUND INLETS, IN SMALL DITCHES, AND AT DIKE OR SWALE OUTLETS. THIS TYPE OF DAM IS RECOMMENDED TO CONTROL EROSION FROM A DRAINAGE AREA OF 5 ACRES OR LESS. TYPE 4 MAY NOT BE USED IN CONCENTRATED HIGH VELOCITY FLOWS (APPROX. 8 FT/SEC OR MORE) IN WHICH AGGREGATE WASH OUT MAY OCCUR. SANDBAGS MAY BE USED AT THE EMBEDDED FOUNDATION (4" DEEP MIN.) FOR BETTER FILTERING EFFICIENCY OF LOW FLOWS IF CALLED FOR ON THE PLANS OR DIRECTED BY THE ENGINEER.

**TYPE 2 (18" HIGH WITH WIRE MESH):** TYPE 2 MAY BE USED IN DITCHES AND AT DIKE OR SWALE OUTLETS.

**TYPE 3 (36" HIGH WITH WIRE MESH):** Type 3 MAY BE USED IN STREAM FLOW AND SHOULD BE SECURED TO THE STREAM BED.

**ROCK FILTER DAM**

NOTE: THE GUIDELINES SHOWN HEREON ARE SUGGESTIONS ONLY AND MAY BE MODIFIED BY THE ENGINEER.

THIS DETAIL SHEET HAS BEEN PREPARED FOR USE ON STANDARD CITY OF PEARLAND PROJECTS. AN ENGINEER WHO INCORPORATES THE DETAILS ON THIS SHEET BECOMES RESPONSIBLE FOR ITS USE IN THE END PRODUCT IN ACCORDANCE WITH RULE 137.33 (b) AND (c) OF THE TEXAS STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS.



City of Pearland, Texas

STANDARD DETAILS

STORM WATER POLLUTION PREVENTION PLAN

|                      |                                |       |
|----------------------|--------------------------------|-------|
| Job No.:             | Scale:                         | SHEET |
| Date: SEPT 2016      | HORZ: 1"=NONE<br>VERT: 1"=NONE | 2     |
| Dwn By:              | CAD FILE:                      |       |
| Chkd By: R. SHRESTHA | COP-SWPPP2                     | OF 2  |