

EROSION CONTROL NOTES

1.

THE IDEM RULE 5 PERMIT REQUIRES THAT THE PERMITTEE SHALL MINIMIZE DISTURBANCE AND THE PERIOD OF TIME THAT THE DISTURBED AREA IS WITHOUT STABILIZATION PRACTICES.
2.

FINAL STABILIZATION SHALL BEGIN WITHIN 14 DAYS ON AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED OR HAVE BEEN SUSPENDED FOR MORE THAN 180 DAYS. WHEN SNOW COVER CAUSES DELAYS, STABILIZATION SHALL BEGIN AS SOON AS POSSIBLE. STABILIZATION PRACTICES INCLUDE SEEDING, MULCHING, PLACING SOD, PLANTING TREES OR SHRUBS, AND USING GEOTEXTILE FABRICS AND OTHER APPROPRIATE MEASURES. SEEDING RATES, DATES AND MATERIALS MAY BE OBTAINED FROM THE LOCAL NATURAL RESOURCES CONSERVATION SERVICE FIELD OFFICE.
3.

FOR ALL CRITICAL AREAS (WITHIN 25' OF A STREAM), SOIL STABILIZATION TECHNIQUES SHALL BE IMPLEMENTED WITHIN 24 HOURS OR AS SOON AS PRACTICABLE AFTER COMPLETION OF GRADING OR DISTURBANCE. TEMPORARY STABILIZATION PRACTICES SHALL BE INITIATED WITHIN 14 DAYS OF CESSATION OF CONSTRUCTION ACTIVITIES.
4.

A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE DEVELOPED AND IMPLEMENTED AS OUTLINED IN THE IDEM RULE 5 STORMWATER PERMIT REQUIREMENTS, IF NOT ALREADY INCLUDED IN THE SPECIFICATIONS. FOR THE LIFT STATION, SITE EROSION CONTROL MEASURES ARE SHOWN BELOW. FOR THE FORCE MAIN INSTALLATION, THE CONTRACTOR SHALL IMPLEMENT MEASURES AS NEEDED DEPENDING ON CONSTRUCTION SEQUENCE AND METHOD.
5.

SEDIMENT BASINS (DEBRIS BASINS, DESILTING BASINS, OR SEDIMENT TRAPS) SHALL BE PROPERLY DESIGNED.
6.

SEDIMENT BASINS (DEBRIS BASINS, DESILTING BASINS, OR SEDIMENT TRAPS) SHALL BE INSTALLED DURING INITIAL GRADING AT LOCATIONS THAT WILL PROVIDE THE BEST PROTECTION FROM OFF-SITE DAMAGES.
7.

ALL SLOPES EXCEEDING 3:1 SHALL HAVE TURF REPLACEMENT MAT INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
8.

INLET PROTECTION IS REQUIRED TO MINIMIZE DISCHARGE OF SEDIMENT LADEN WATER.
9.

SITE PERIMETER CONTROLS ARE REQUIRED AND SHALL BE INSTALLED TO PREVENT THE DEPOSIT OF SOIL AND DEBRIS FROM GRADED SURFACES ONTO PUBLIC STREETS, INTO DRAINAGE CHANNELS OR SEWERS, OR ONTO ADJOINING LAND.
10.

EROSION CONTROL MEASURES SHOWN ARE THE MINIMUM REQUIRED. CONTRACTOR SHALL PROVIDE ADDITIONAL CONTROLS AND REVISE THE CONTROLS AS NEEDED.

INSPECTIONS AND MAINTENANCE

1.

ALL EROSION CONTROL MEASURES, DISCHARGE LOCATIONS, VEHICLE EXITS, DISTURBED AREAS OF THE SITE, AND MATERIALS STORAGE AREAS SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER. EACH INSPECTION MUST BE DOCUMENTED IN ACCORDANCE WITH THE IDEM GENERAL PERMIT FOR STORMWATER POINT SOURCE DISCHARGES FROM CONSTRUCTION ACTIVITIES.
2.

SEDIMENT ACCUMULATED AT THE SILT FENCES, INLET PROTECTION AREAS, AND OTHER SILT CHECK DEVICES SHOULD BE REMOVED NO LATER THAN WHEN IT REACHES 1/3 HEIGHT OF THE FENCE OR 9 INCHES MAXIMUM.

3.

SEDIMENT MUST BE REMOVED FROM ANY SEDIMENT BASINS WHEN THE NO MORE THAN 1/3 OF THE VOLUME HAS BEEN FILLED WITH COLLECTED SEDIMENT.
4.

ALL REQUIRED REPAIRS ARE TO BE MADE IMMEDIATELY.
5.

REMOVED SEDIMENT MUST BE SPREAD AND VEGETATED OR OTHERWISE STABILIZED IN A MANNER THAT DOES NOT RESULT IN MUDDY RUNOFF TO NEARBY DITCHES AND WATERBODIES.
6.

INSPECT THE CONSTRUCTION ENTRANCE DAILY TO ENSURE NO TRACKING OF DIRT ONTO LOCAL ROADWAYS. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROAD MUST BE REMOVED IMMEDIATELY. SEE NOTE 3 FOR HANDLING OF REMOVED SEDIMENT.
7.

MAINTAIN THE ENTRANCE AS NECESSARY TO PREVENT TRACKING OF DIRT.
8.

UNTIL THE OWNER PERFORMS A FINAL INSPECTION AND THE LAND DISTURBING PERMIT IS CLOSED, THE PERSON RESPONSIBLE SHALL TAKE SUCH MEASURES AS ARE NECESSARY TO PREVENT EROSION OF GRADED STREETS, INTO DRAINAGE CHANNELS OR SEWERS, OR ONTO ADJOINING LAND.

SEQUENCE OF EROSION CONTROL PLAN ACTIVITIES

1.

IDENTIFY AND FLAG OFF AREAS NOT TO BE DISTURBED AND/OR COMPACTED.
2.

CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE.
3.

INSTALL UPGRADIENT DIVERSION SWALES AND BERMS.
4.

INSTALL SEDIMENT BARRIERS (SILT FENCES).
5.

CONSTRUCT OTHER SWALES.
6.

CONSTRUCT STORM CONVEYANCE SYSTEM (INLETS AND STORM SEWERS)
7.

BEGIN CLEARING AND GRADING FOR THE ROADS, BUILDINGS, TANKS, OR PIPES.
8.

STABILIZE BARE AREAS AFTER FINAL GRADE IS REACHED.
9.

CONSTRUCT ROADS, BUILDINGS, TANKS, OR PIPES.
10.

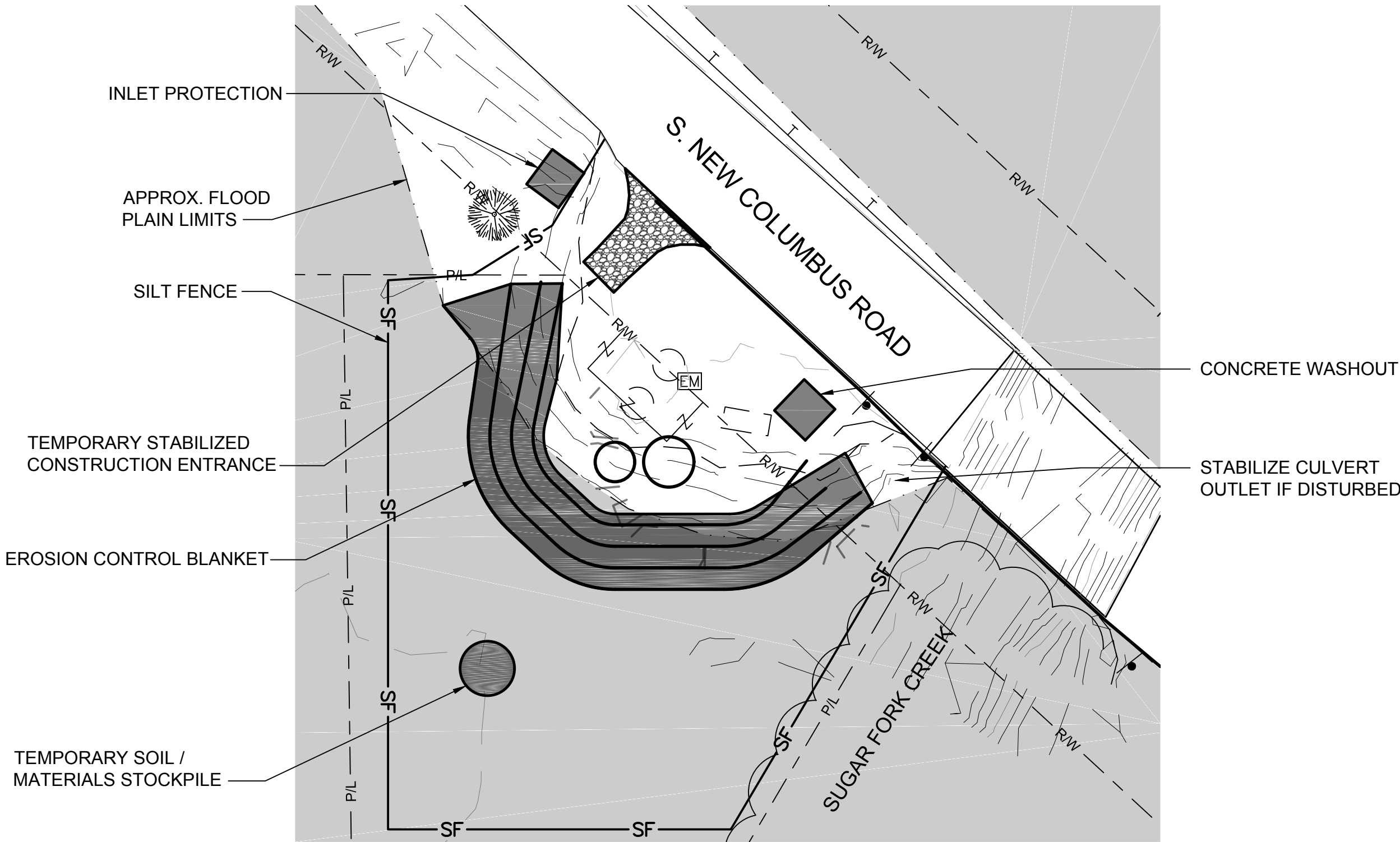
INSTALL LANDSCAPING.
11.

DREDGE SEDIMENT BASIN AND INSTALL TEMPORARY EROSION CONTROL BLANKET ON ALL SLOPES.
12.

REMOVE ALL CONTROLS ONCE THE SITE HAS BEEN FULLY STABILIZED.
13.

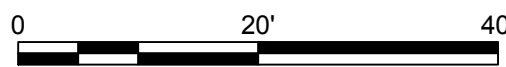
FINAL INSPECTION FOR LAND DISTURBANCE PERMIT.
14.

TEMPORARY DIVERSION DITCHES MAY BE REQUIRED DURING CONSTRUCTION TO MITIGATE EROSION OF THE DISTURBED CONSTRUCTION AREA, BY DIRECTING OFF-SITE DRAINAGE AROUND THE DISTURBANCE AREAS.



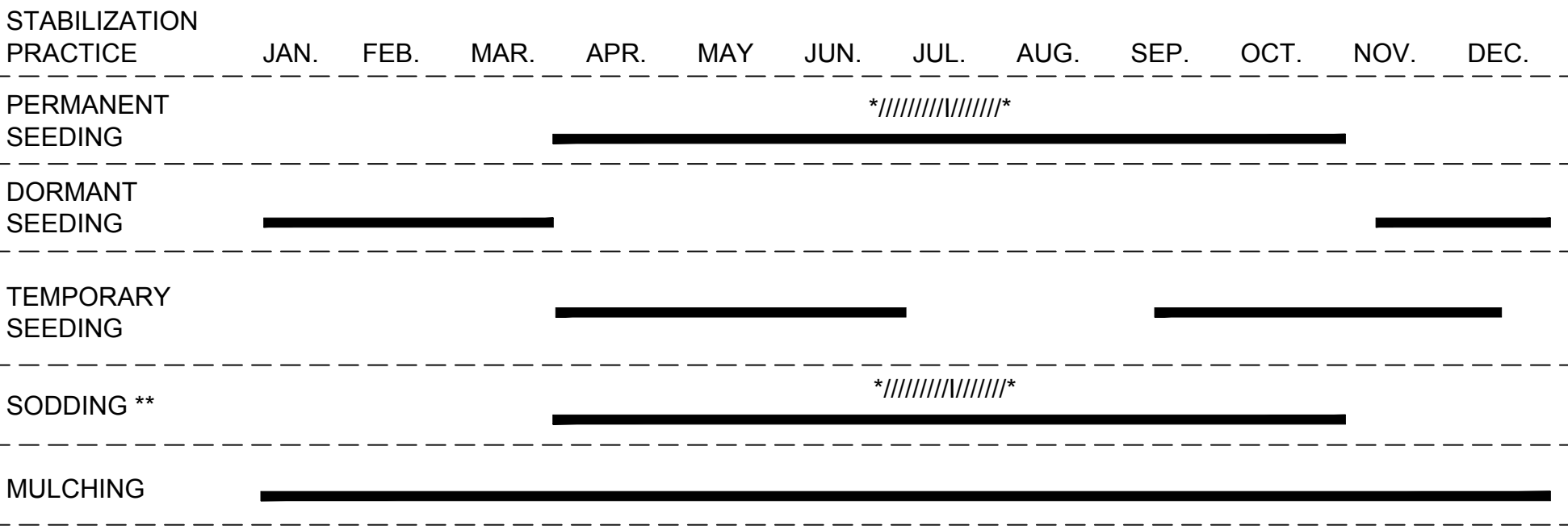
EROSION CONTROL LIFT STATION SITE

SCALE: 1"=20'-0"



LEGEND

— SF — SILT FENCE



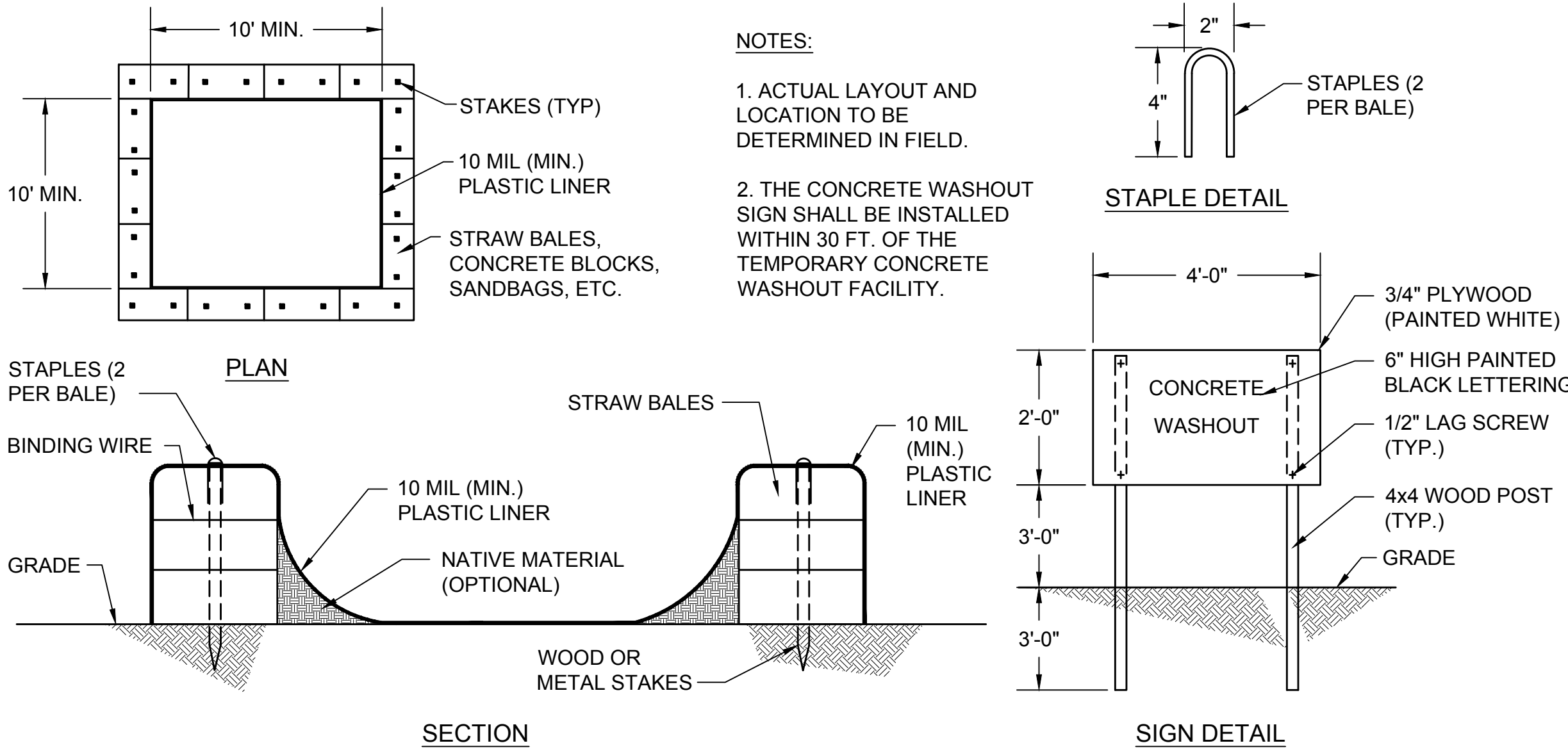
NOTE:  
SEEDING TYPES AND MIXTURES SHALL BE PER INDIANA STORMWATER QUALITY MANUAL. NO TALL FESCUE SHALL BE USED IN FLOODPLAIN AREAS.

\*////\* IRRIGATION NEEDED DURING JUNE, JULY, AND/OR AUGUST.

\*\* IRRIGATION NEEDED FOR 2 TO 3 WEEKS AFTER APPLYING SOD.

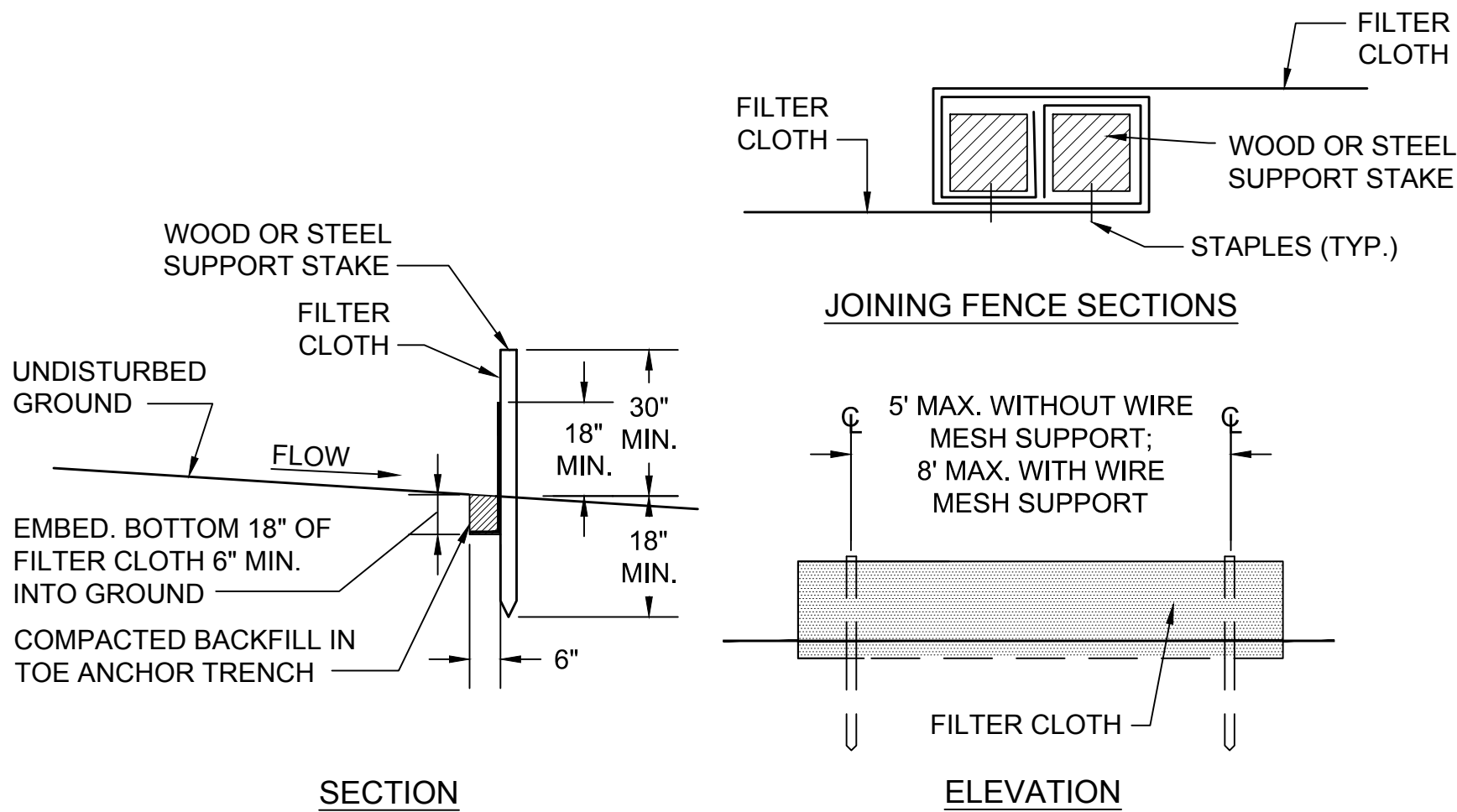
SEASONAL SOIL PROTECTION CHART

NOT TO SCALE



CONCRETE WASHOUT DETAILS

NOT TO SCALE



STANDARD SILT FENCE REQUIREMENTS

FILTER FABRIC FENCE DETAILS

NOT TO SCALE

NOTES:

1.

GEOTEXTILE FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL AND CUT TO THE LENGTH OF THE BARRIER. WHEN JOINTS CANNOT BE AVOIDED, GEOTEXTILE FABRIC SHALL BE SPliced TOGETHER ONLY AT A POST WITH 3 FOOT MIN. OVERLAP, AND SECURELY SEALED.
2.

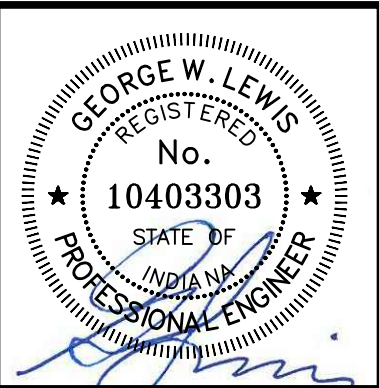
POSTS SHALL BE AT LEAST 5 FEET IN LENGTH.
3.

STEEL POSTS SHALL HAVE PROJECTIONS FOR FASTENING WIRE AND FABRIC.
4.

WOOD POSTS SHALL BE 2 INCHES BY 2 INCHES OR EQUIVALENT. STEEL POSTS SHALL BE 1.33 LBS PER LINEAR FOOT.
5.

IF REQUIRED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH IN LENGTH, WIRE TIES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
6.

TURN SILT FENCE UP SLOPE AT ENDS.



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EROSION CONTROL DETAILS  
BABY FARMS LIFT STATION AND FORCE MAIN IMPROVEMENTS  
FALL CREEK REGIONAL WASTE DISTRICT

DESIGNED	GWL	DRAWN	JAJ	REVIEWED	JPT	APPROVED	GWL
NO							
DATE							
DESCRIPTION							
NO							

DATE: NOVEMBER 2017

SCALE: NOTED

SHEET NO.

C-10