



**SIEGFRIED**

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- CIVIL
- STRUCTURAL
- LANDSCAPE ARCHITECTURE
- SURVEYING
- PLANNING
- ATHLETIC FACILITY DESIGN
- GEOTECHNICAL

REVISIONS  
No. Date Description

PROJECT

ALPINE CLIMB GYM - ROSEVILLE

1730 FREEDOM WAY  
ROSEVILLE, CA 95678



SHEET TITLE

GRADING PLAN

Proj Mgr: AKM  
Drawn by: ARM  
Date: 05/11/2023  
Job No.: 21203

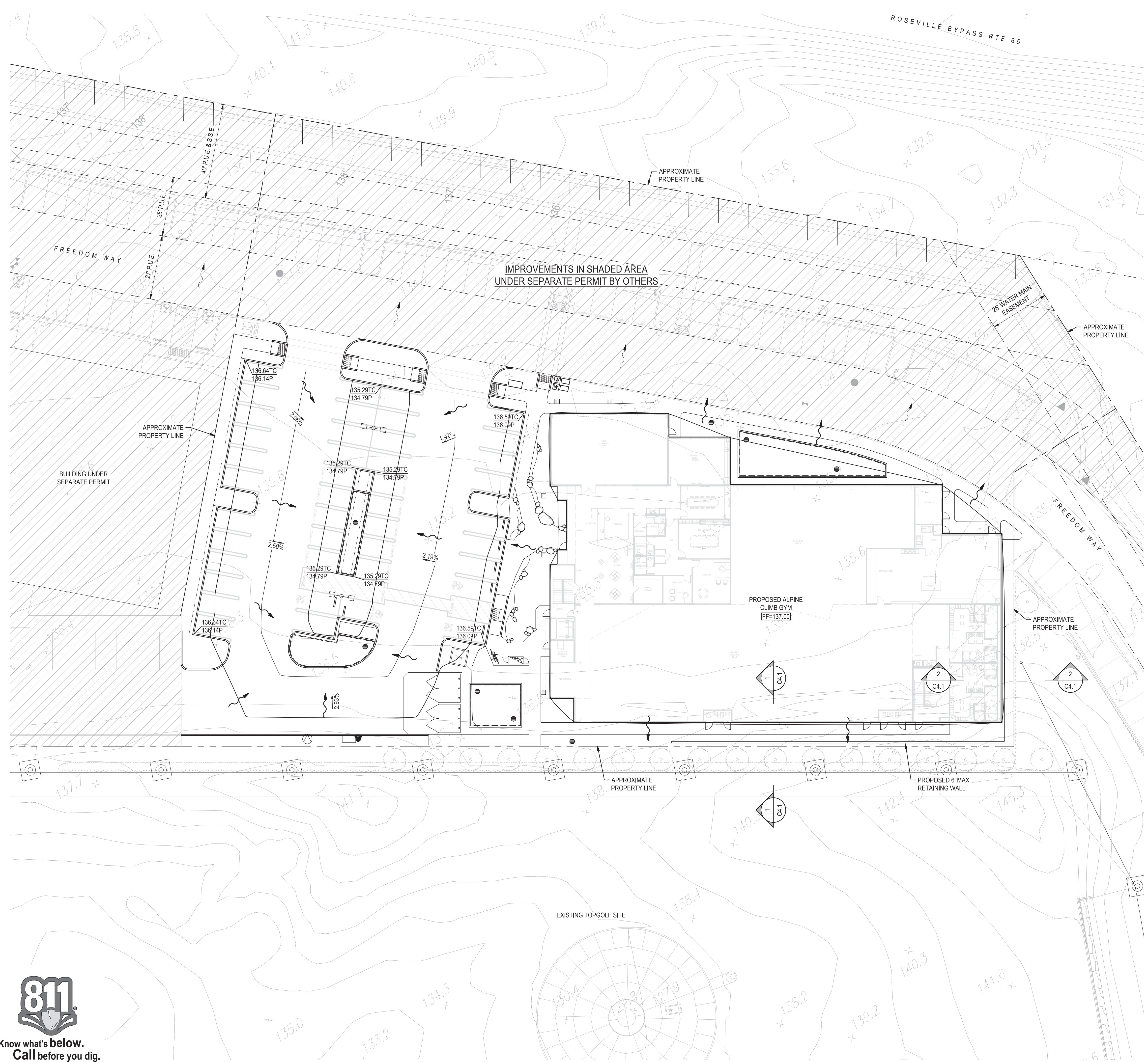
SHEET: **C4.0**  
6 OF: 12

**LEGEND**

- ↗ % GRADE SLOPE PERCENTAGE
- 3.0 EXISTING GROUND CONTOUR
- - - 3.0 PROPOSED GROUND CONTOUR
- G.B. - GRADE BREAK
- - - RIDGE RIDGE
- ~> EXISTING FLOW DIRECTION
- ~> PROPOSED FLOW DIRECTION

**GRADING LEGEND**

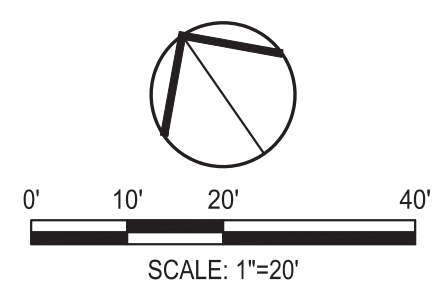
ABBREVIATION	DESCRIPTION
BW	BACK OF WALK
BO	BOTTOM OF WALL
C	CONCRETE
DG	DECOMPOSED GRANITE
EC	EXISTING CONCRETE
EFL	EXISTING FLOWLINE
EG	EXISTING GROUND
EL	ELEVATION
EP	EXISTING PAVEMENT
EX	EXISTING
FF	FINISHED FLOOR ELEVATION
FG	FINISH GROUND
FP	FINISH PAD ELEVATION
FL	FLOWLINE
G	GROUND
GB	GRADE BREAK
HP	HIGH POINT
LB	LIGHT BASE
LP	LOW POINT
MAX	MAXIMUM
MIN	MINIMUM
P	PAVEMENT
TC	TOP OF CURB
TOW	TOP OF WALL
TYP	TYPICAL



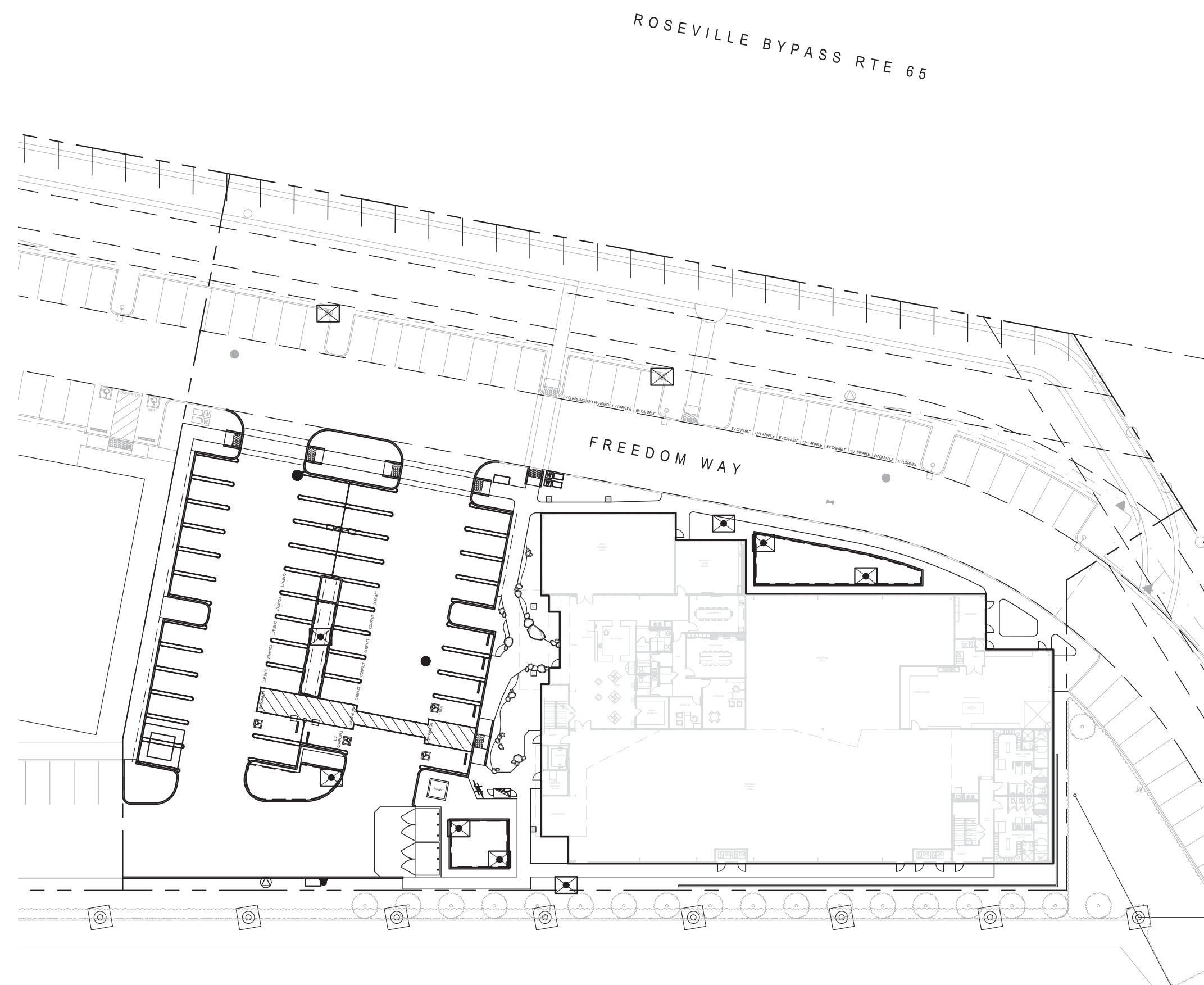
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Know what's below.  
Call before you dig.



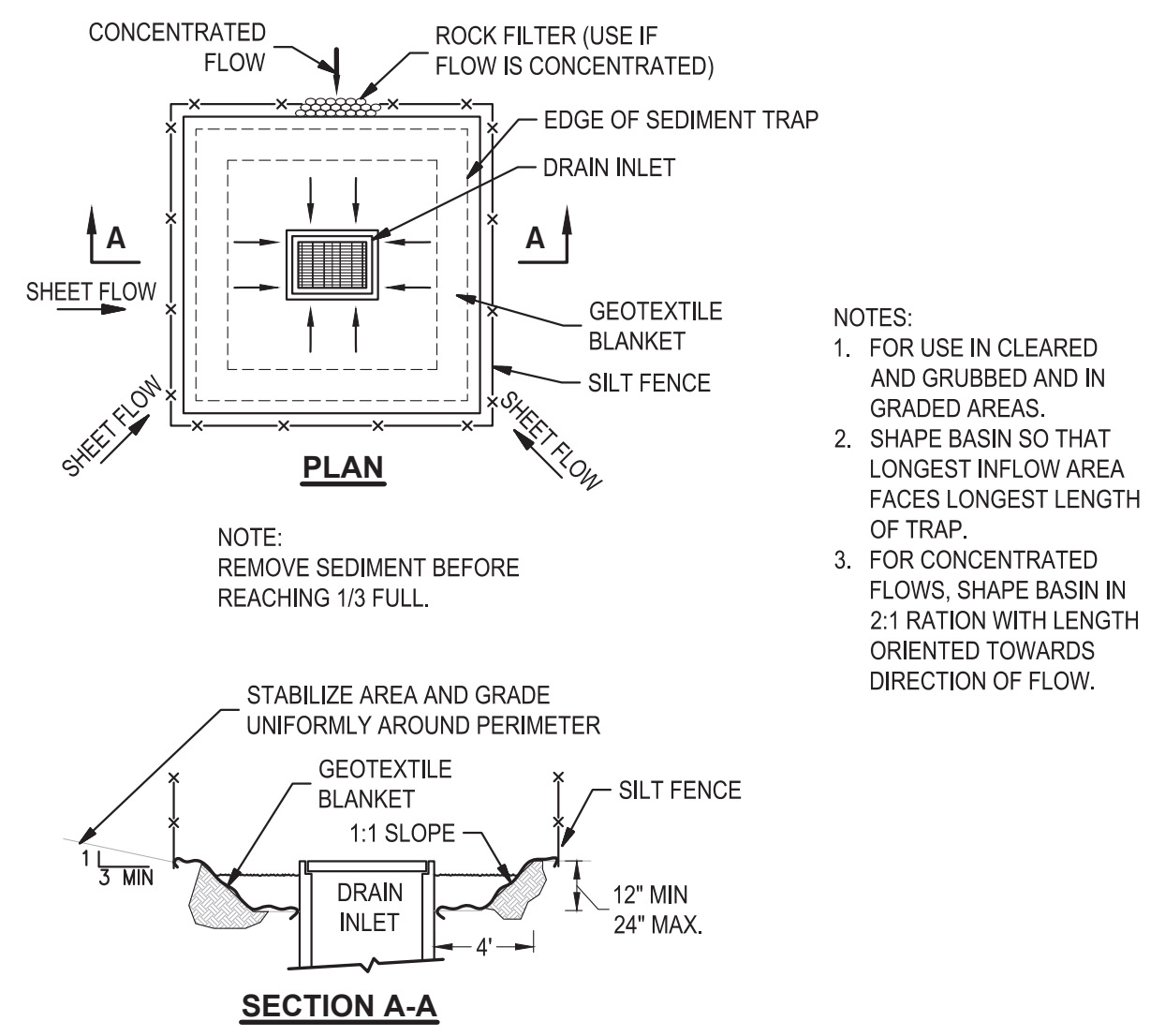




**EROSION CONTROL PLAN**  
SCALE: 1" = 40'

F:\2\projects\21203\_01\graphics\entire\sheet\21203-C7.DWG EROSION CONTROL P:\M\ang -- 05/11/23

**1 DI PROTECTION - TYPE 2**  
SCALE: NTS



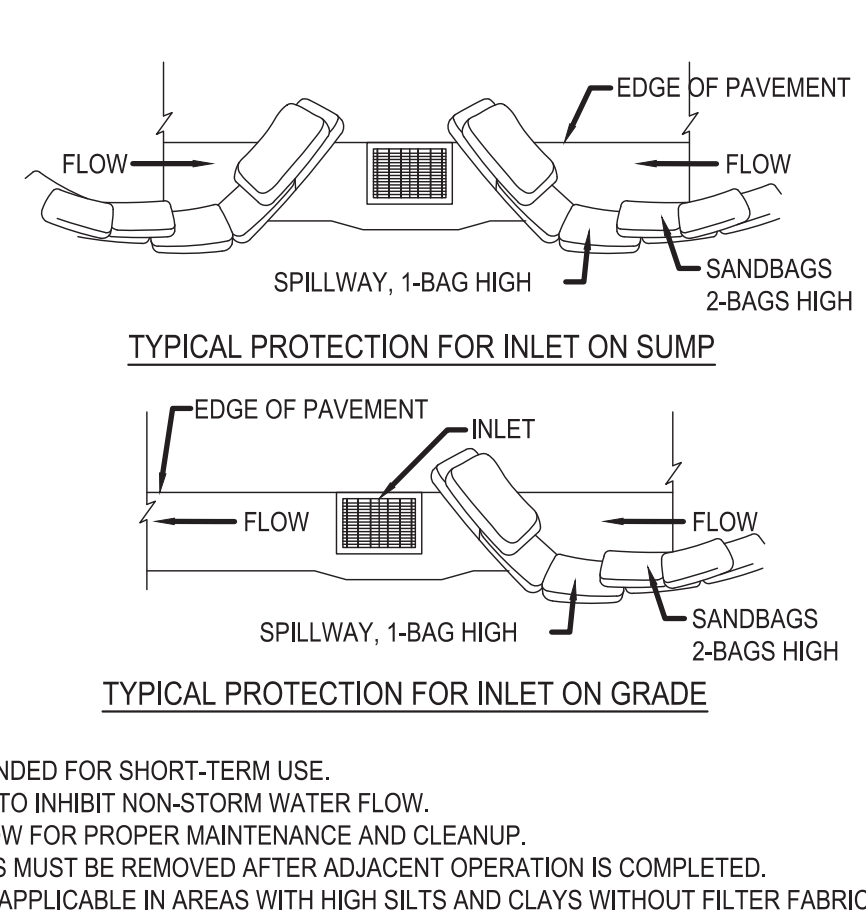
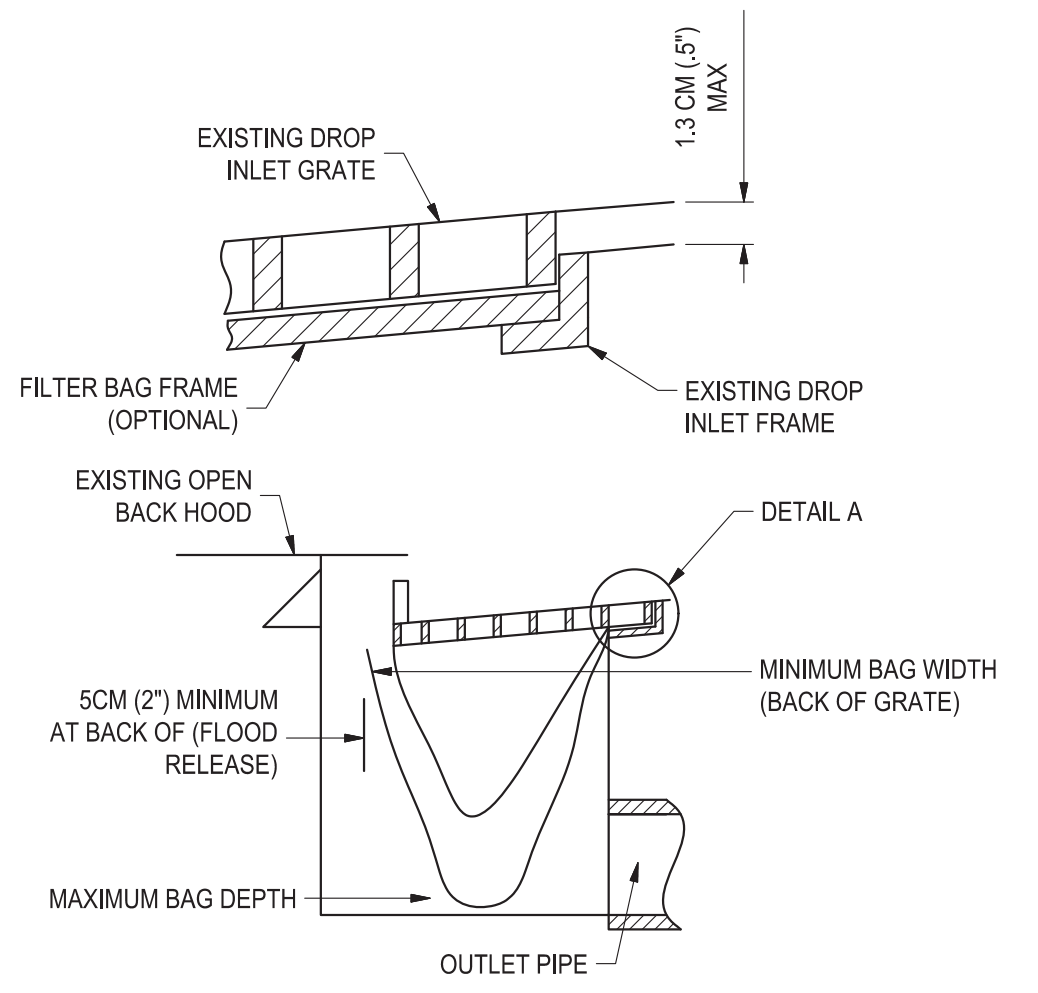
**EROSION CONTROL LEGEND:**

SYMBOL	DESCRIPTION
	FIBER ROLLED WATTLE, SEE DETAIL THIS SHEET
	CONSTRUCTION FENCE
	SILT FENCE, SEE DETAIL THIS SHEET
	DRAIN INLET PROTECTION, SEE DETAIL THIS SHEET
	STABILIZED CONSTRUCTION ENTRANCE/EXIT, SEE DETAIL THIS SHEET
	CONCRETE WASHOUT, CONTRACTOR TO DETERMINE LOCATION, SEE DETAIL THIS SHEET
	FLOW DIRECTION (EXISTING)
	FLOW DIRECTION (PROPOSED)
	GRAVEL BAGS

**EROSION CONTROL GENERAL NOTES:**

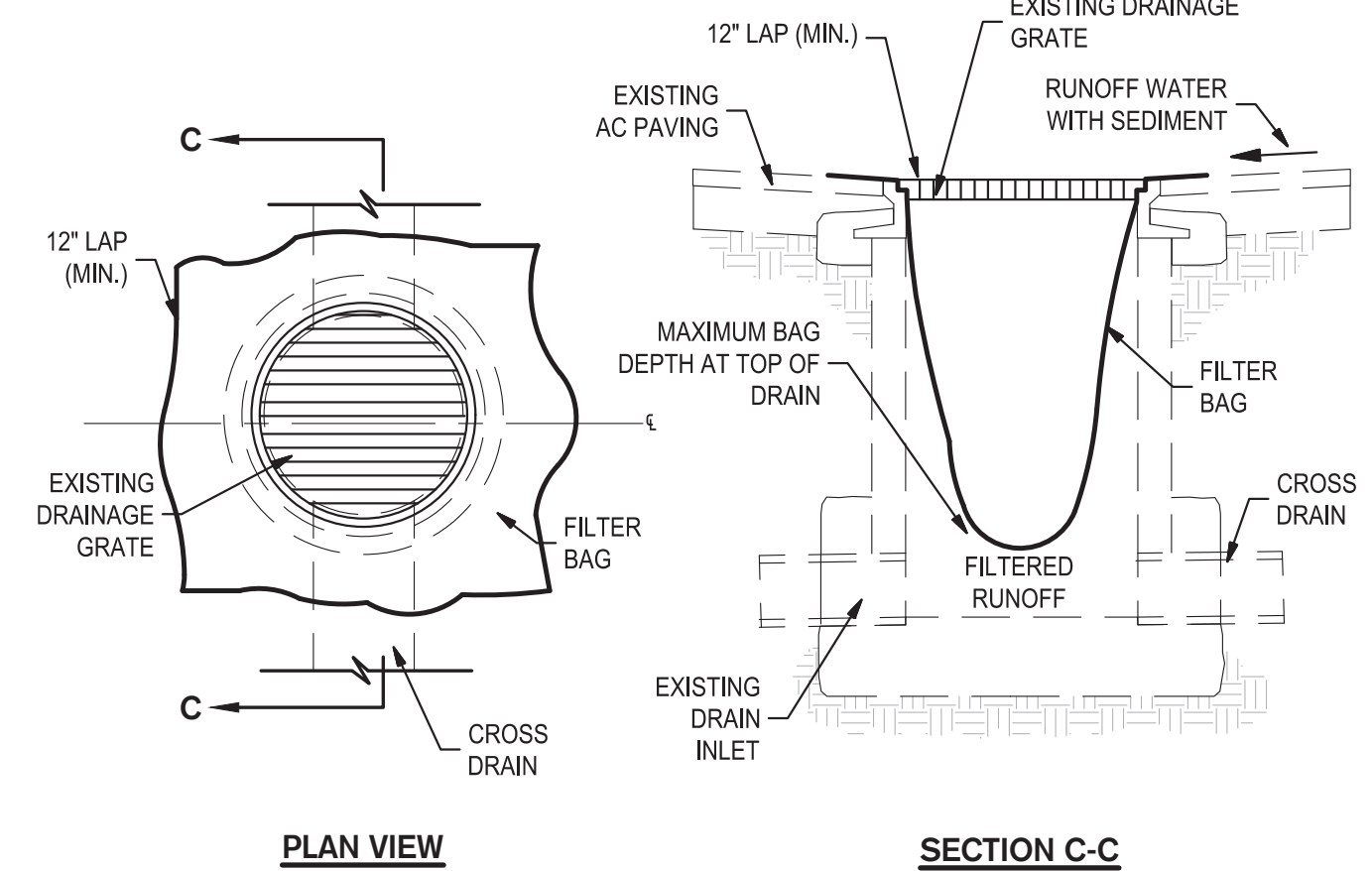
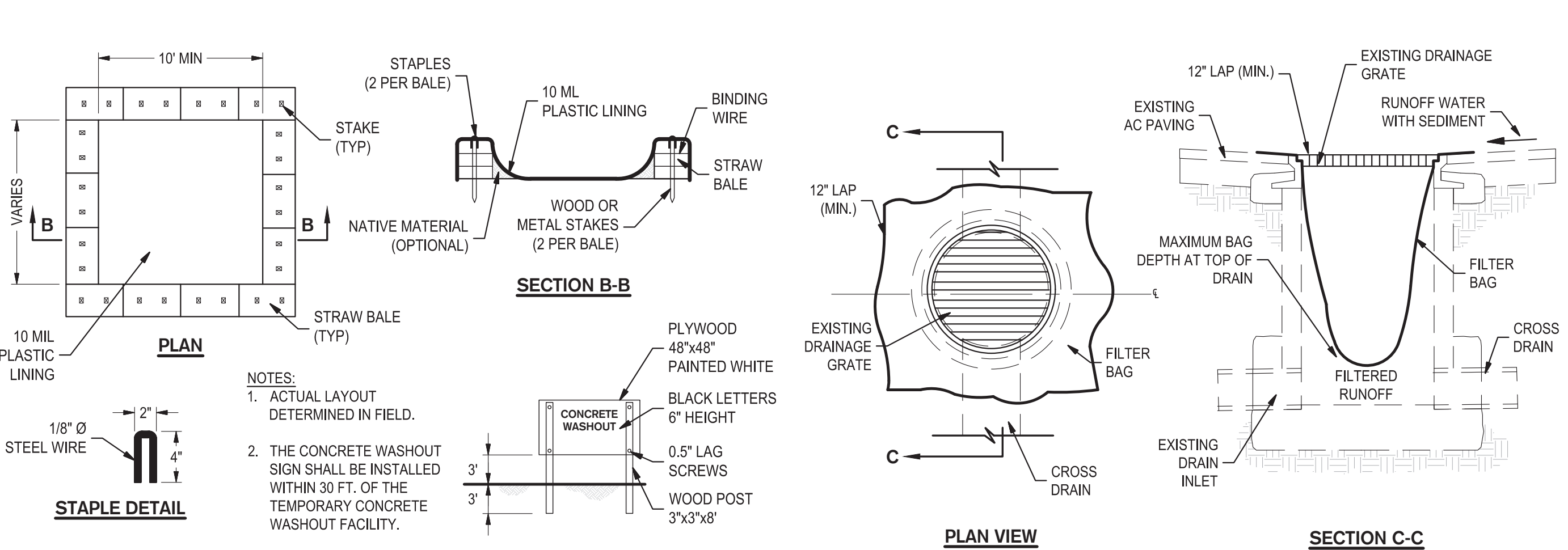
- PLANS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO SHOW ALL OFFSETS. THE SITE IS DYNAMIC AND CHANGES ON A DAILY BASIS. CHANGES SHOULD BE MADE ACCORDING TO EXISTING CONDITIONS. BECAUSE IT IS IMPOSSIBLE TO PREDICT ALL POSSIBLE SITUATIONS, CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICES TO ENSURE QUALITY CONTROL.
- THE CONTRACTOR SHALL REVIEW THE CURRENT STORM WATER POLLUTION PREVENTION PLAN (SWPPP). IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY FOR CONDUCTING HIS/HER OPERATIONS IN ADHERENCE TO THE SWPPP. THE CONTRACTOR IS RESPONSIBLE FOR ANY FINES, DELAYS, AND/OR DAMAGES RESULTING FROM ANY STATE WATER QUALITY CONTROL BOARD SANCTIONS CAUSED BY THE OPERATION OF THE CONTRACTOR OR HIS/HER SUBCONTRACTORS.
- THE FOLLOWING PLANS ARE ACCURATE FOR EROSION CONTROL PURPOSES ONLY. THE CONTRACTOR SHALL FOLLOW THESE PLANS UNLESS FIELD CONDITIONS DICTATE MODIFICATION. IF MODIFICATION IS NECESSARY, A SWPPP AMENDMENT MUST BE DONE. THIS MAY REQUIRE MODIFICATION TO THESE DRAWINGS AND ENGINEER CONCURRENCE.
- INSPECT AND REPAIR FILTERS AFTER EACH STORM EVENT. REMOVE SEDIMENT WHEN 1/2 OF THE FILTER DEPTH HAS BEEN FILLED. REMOVED SEDIMENT SHALL BE DEPOSITED IN AN AREA TRIBUTARY TO A SEDIMENT BASIN OR OTHER FILTERING MEASURE. SEDIMENT AND GRAVEL SHALL BE IMMEDIATELY REMOVED FROM PAVEMENT OF ROAD.
- UNFINISHED AND DISTURBED AREAS ARE TO BE PROTECTED WITH AN APPLICATION OF BLOWN STRAW AND ORGANIC BINDER.
 

ITEM	LB/ACRE
STRAW	4,000
ORGANIC BINDER	200
- ALTERNATE INLET PROTECTION SHALL BE USED ON ROADS OPEN TO THE PUBLIC IF ANY HAZARDOUS MATERIALS OR WASTES WHICH HAVE BEEN TREATED, STORED, DISPOSED, SPILLED, OR LEAKED IN SIGNIFICANT QUANTITIES ONTO THE CONSTRUCTION SITE. THE CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE THEM FROM THE SITE AND DISPOSE OF PROPERLY.
- CHLORINATED OR DECHLORINATED WATER SHALL NOT BE DISCHARGED INTO THE STORM DRAIN SYSTEM. THE CONTRACTOR MAY DISPOSE THIS WATER INTO THE SANITARY SEWER SYSTEM UPON APPROVAL BY THE GOVERNING AGENCY.
- THE CONTRACTOR SHALL KEEP MAINTENANCE, INSPECTION, AND REPAIR PROCEDURES TO ENSURE THAT ALL GRADED SURFACES, WALLS, BERMS, DRAINAGE STRUCTURES, VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES, AND OTHER CONTROLS ARE MAINTAINED IN GOOD AND EFFECTIVE CONDITION AND ARE PROMPTLY REPAIRED OR RESTORED WHEN NECESSARY. ANY DEWATERING WATER SHALL NOT BE DISCHARGED DIRECTLY INTO THE STORM WATER SYSTEM, AND SHALL NOT BE DISCHARGED INTO THE SEWER SYSTEM.
- ALL DEWATERING WATER MUST BE CHanneled THROUGH AN APPROVED SEDIMENT BARRIER PRIOR TO THE WATER ENTERING THE STORM SYSTEM.
- PAVEMENT CLEANING-FLUSHING OF STREETS/PARKING LOTS TO REMOVE DIRT AND CONSTRUCTION DEBRIS IS PROHIBITED UNLESS PROPER SEDIMENT CONTROLS ARE USED. PREFERABLY, AREAS REQUIRING CLEANING SHOULD BE SWEEPED.
- ALL STOCKPILES OF MATERIALS THAT ARE NOT GOING TO BE USED FOR 14 DAYS SHALL BE COVERED.
- CONTRACTOR TO USE BEST MANAGEMENT PRACTICES (BMPs) THROUGHOUT CONSTRUCTION. USE ALL BMPs THAT APPLY TO THE PROJECT, INCLUDING BUT NOT LIMITED TO THE FOLLOWING BMPs:
  - DRAIN INLET PROTECTION - CALIFORNIA STORMWATER BMP HANDBOOK SECTION SE-10
  - SOLID WASTE MANAGEMENT - CALIFORNIA STORMWATER BMP HANDBOOK SECTION WM-5
  - MATERIAL STORAGE - CALIFORNIA STORMWATER BMP HANDBOOK SECTION WM-1
  - PAVING - CALIFORNIA STORMWATER BMP HANDBOOK SECTION NS-3
  - DUST CONTROL, SEDIMENT CONTROL, EROSION CONTROL AND CONCRETE WASHOUT AREAS - SHOWN ON THIS SHEET WITH DETAILS



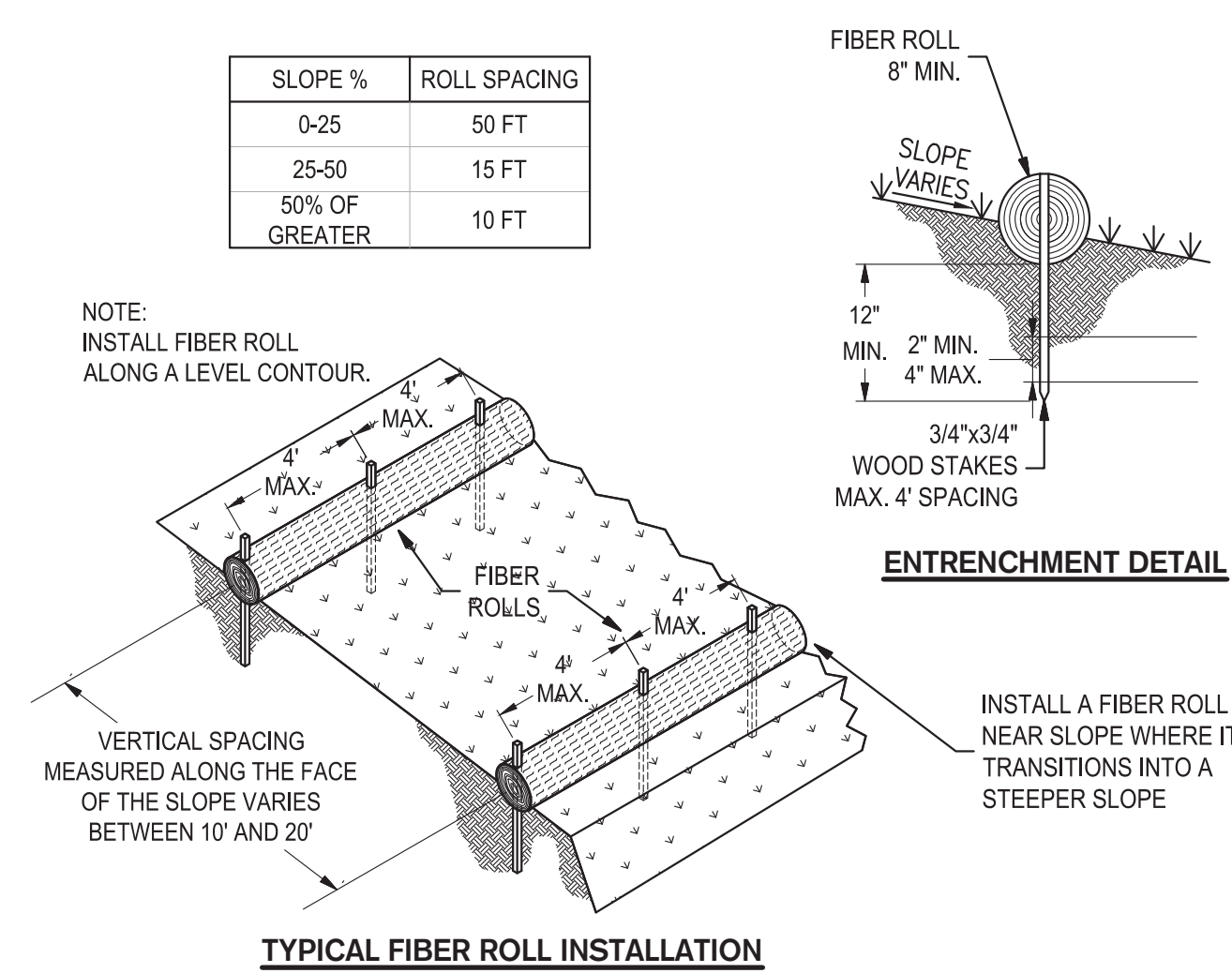
- NOTES:
- INTENDED FOR SHORT-TERM USE.
  - USE TO INHIBIT NON-STORM WATER FLOW.
  - ALLOW FOR PROPER MAINTENANCE AND CLEANUP.
  - BAGS MUST BE REMOVED AFTER ADJACENT OPERATION IS COMPLETED.
  - NOT APPLICABLE IN AREAS WITH HIGH SILTS AND CLAYS WITHOUT FILTER FABRIC.

**2 CATCH BASIN FILTER BAGS & PROTECTION**  
NO SCALE

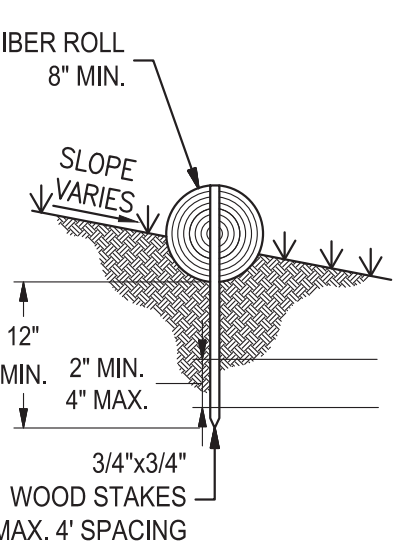


- NOTES:
- THE MAXIMUM DRAINAGE AREA PER FILTER SHALL BE NO MORE THAN .06 HECTARES (2 ACRES).
  - THE FILTER BAG SHALL BE MANUFACTURED FROM UV RESISTANT POLYPROPYLENE NYLON, POLYESTER, OR ETHYLENE FABRIC WITH A MINIMUM TENSILE STRENGTH OF 50 LBS PER LINEAL FOOT, AN EQUIVALENT OPENING SIZE NOT GREATER THAN A 20 SIEVE AND WITH A MINIMUM FLOW RATE OF 40 GALLON/SOFT.
  - THE FILTER BAG MAY BE SUSPENDED FROM OR HELD IN PLACE BY EXISTING INLET GRATE (OR OTHER APPROVED METHOD), PROVIDING NO MODIFICATION OR DRAINAGE SHALL BE DONE TO THE INLET GRATE OR FRAME. THE INLET GRATE SHALL NOT BE CAUSED TO REST MORE THAN 1.3CM (.5\") ABOVE THE INLET FRAME (SEE DETAIL A).
  - THE FILTER BAG MAY EXTEND TO THE BOTTOM OF THE INLET BOX PROVIDED THE OUTLET PIPE IS UNOBSTRUCTED.
  - FLOWS SHALL NOT BE ALLOWED TO BYPASS THE BAG. THE BAG OR ITS FRAME SHALL CATCH FLOWS AT ALL SIDES OF THE INLET EXCEPT AS SHOWN FOR FLOOD RELEASE.
  - INLET FILTER BAGS SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL DURING THE WET SEASON AND MONTHLY DURING THE DRY SEASON. SEDIMENT AND DEBRIS SHALL BE REMOVED BEFORE ACCUMULATIONS HAVE REACHED ONE THIRD THE DEPTH OF THE BAG. BAGS SHALL BE REPAIRED OR REPLACED AS SOON AS DAMAGE OCCURS.
  - EROSION CONTROL PLAN IS SHOWN FOR REFERENCE ONLY, PLEASE SEE THE PROJECT SWPPP FOR OFFICIAL EROSION CONTROL DOCUMENTATION

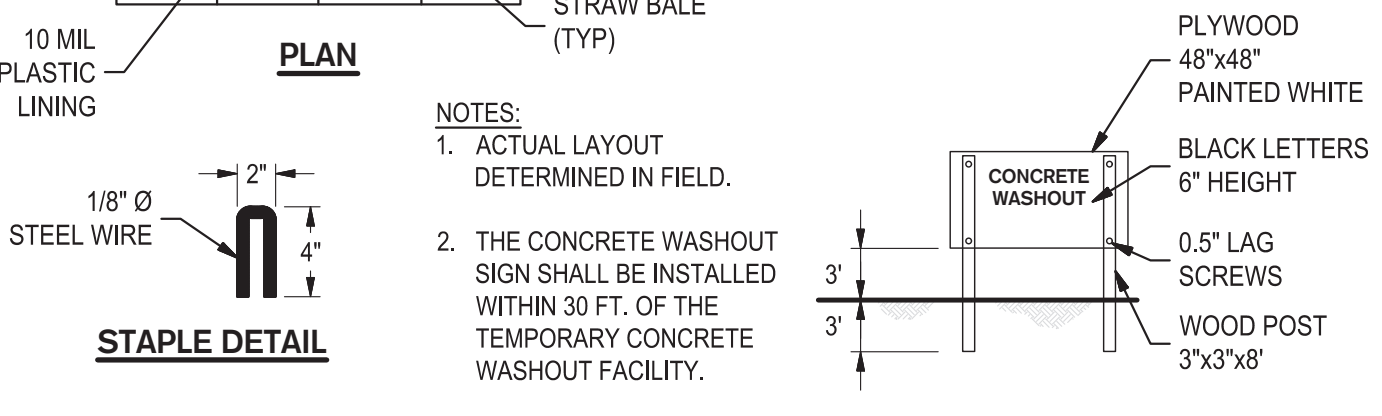
**3 FIBER ROLLS**  
SCALE: NTS



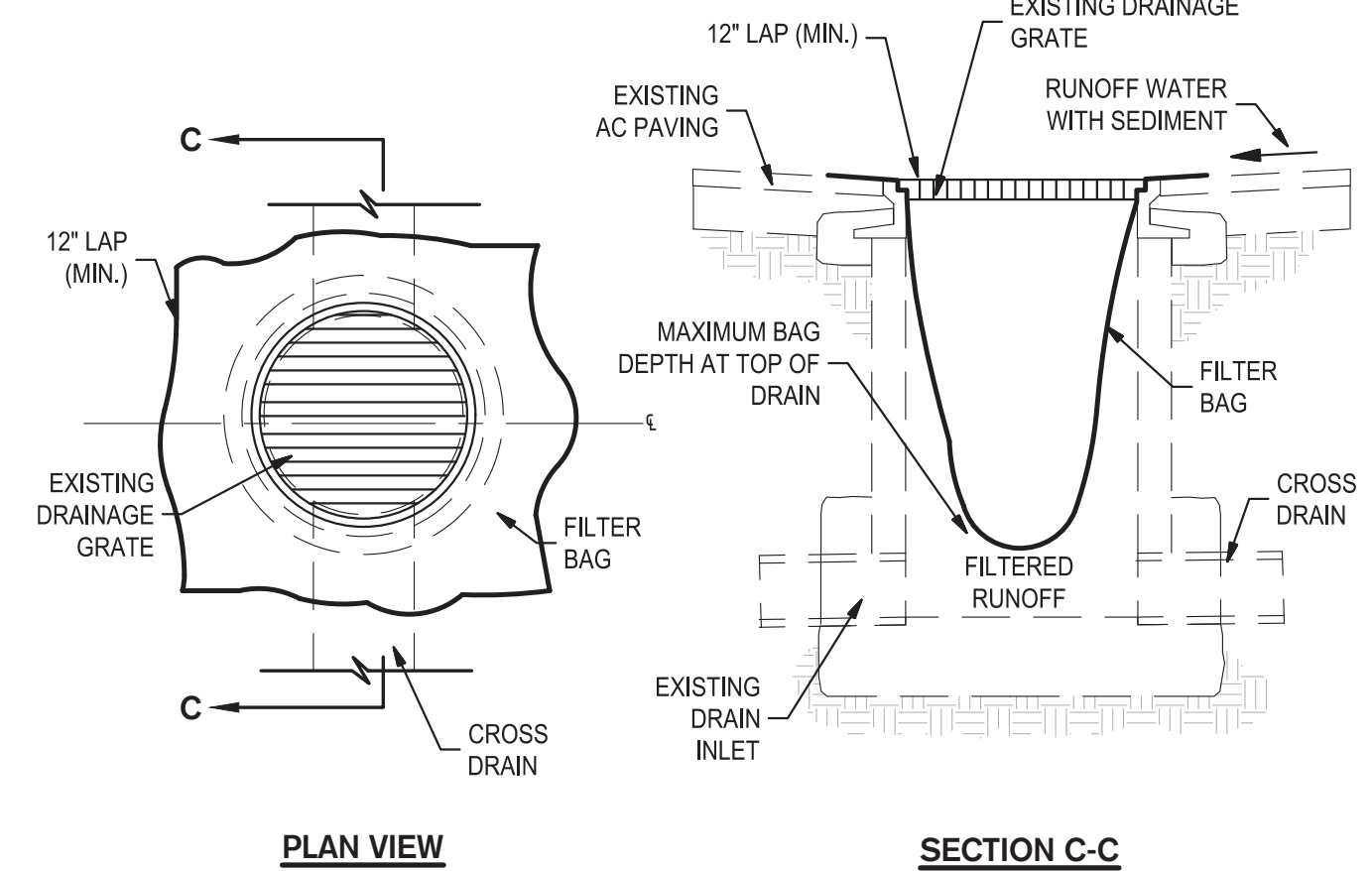
SLOPE %	ROLL SPACING
0-25	50 FT
25-50	15 FT
50% OF GREATER	10 FT



**4 CONCRETE WASHOUT**  
SCALE: NTS



**5 TEMPORARY GRAVEL BAG FILTER AT DROP INLET**  
SCALE: NTS



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10 OF: 12