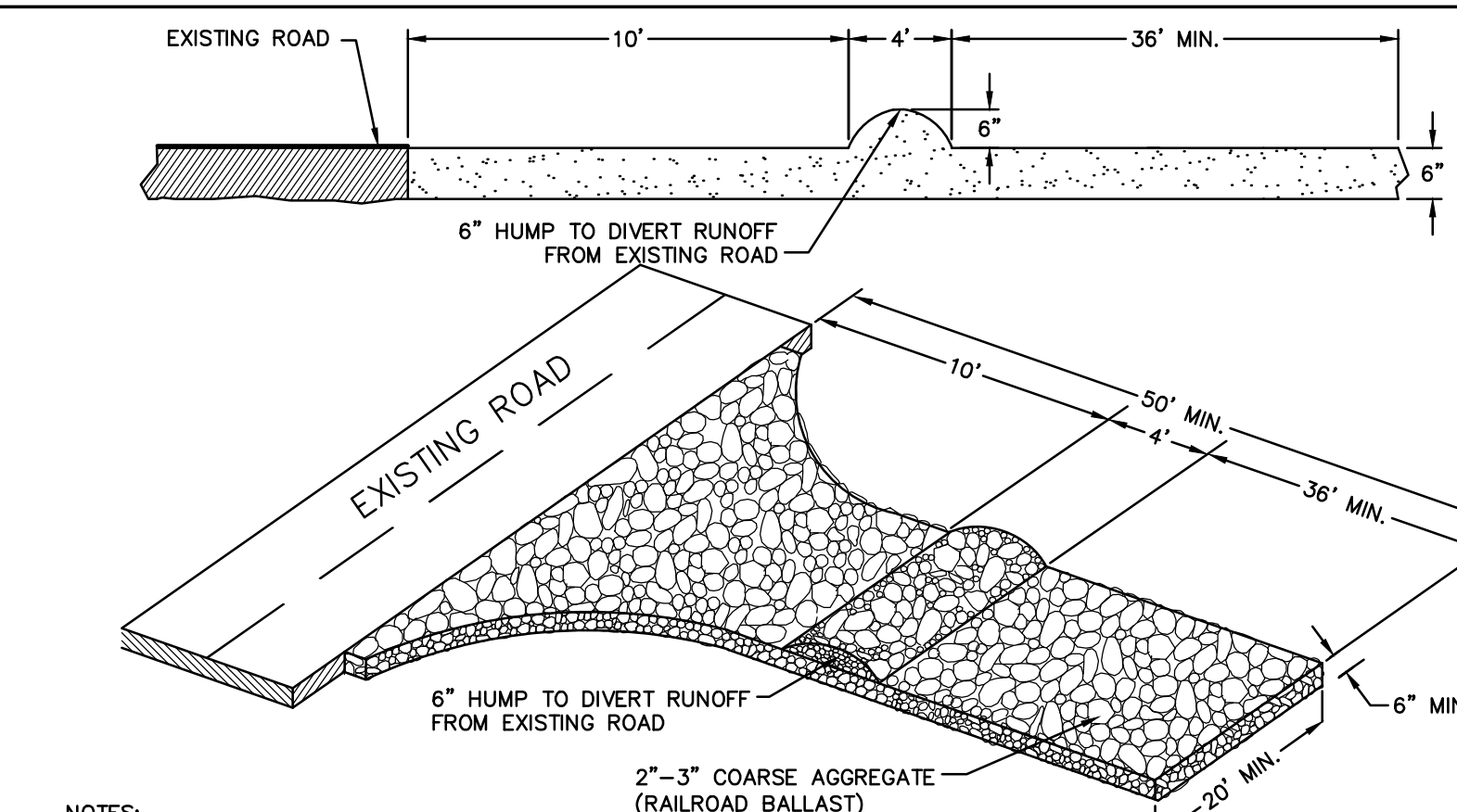


BASIN#	TOP BERM ELEV. (FT)	EMERGENCY SPILLWAY ELEV. (FT)	EMERGENCY SPILLWAY (D x WIDTH)	BERM WIDTH (FT)	BARREL SIZE (INCHES)	BARREL INV. IN ELEV. (FT)	BARREL INV. OUT ELEV. (FT)	BASIN AVG. LENGTH (FT)	BASIN AVG. WIDTH (FT)	SKIMMER ORIFICE SIZE (IN)	SKIMMER INVERT ELEV. (FT)
1	2623.0	2621.0	2.0'x10'	5' MIN.	6"	2619.0	2618.0	100'	50'	6.0"	2619.0
2	2625.0	2623.0	2.0'x10'	5' MIN.	6"	2621.0	2620.0	70'	35'	2.0"	2621.0
3	2614.0	2613.0	1.0'x10'	5' MIN.	6"	2612.0	2610.0	70'	20'	2.0"	2612.0

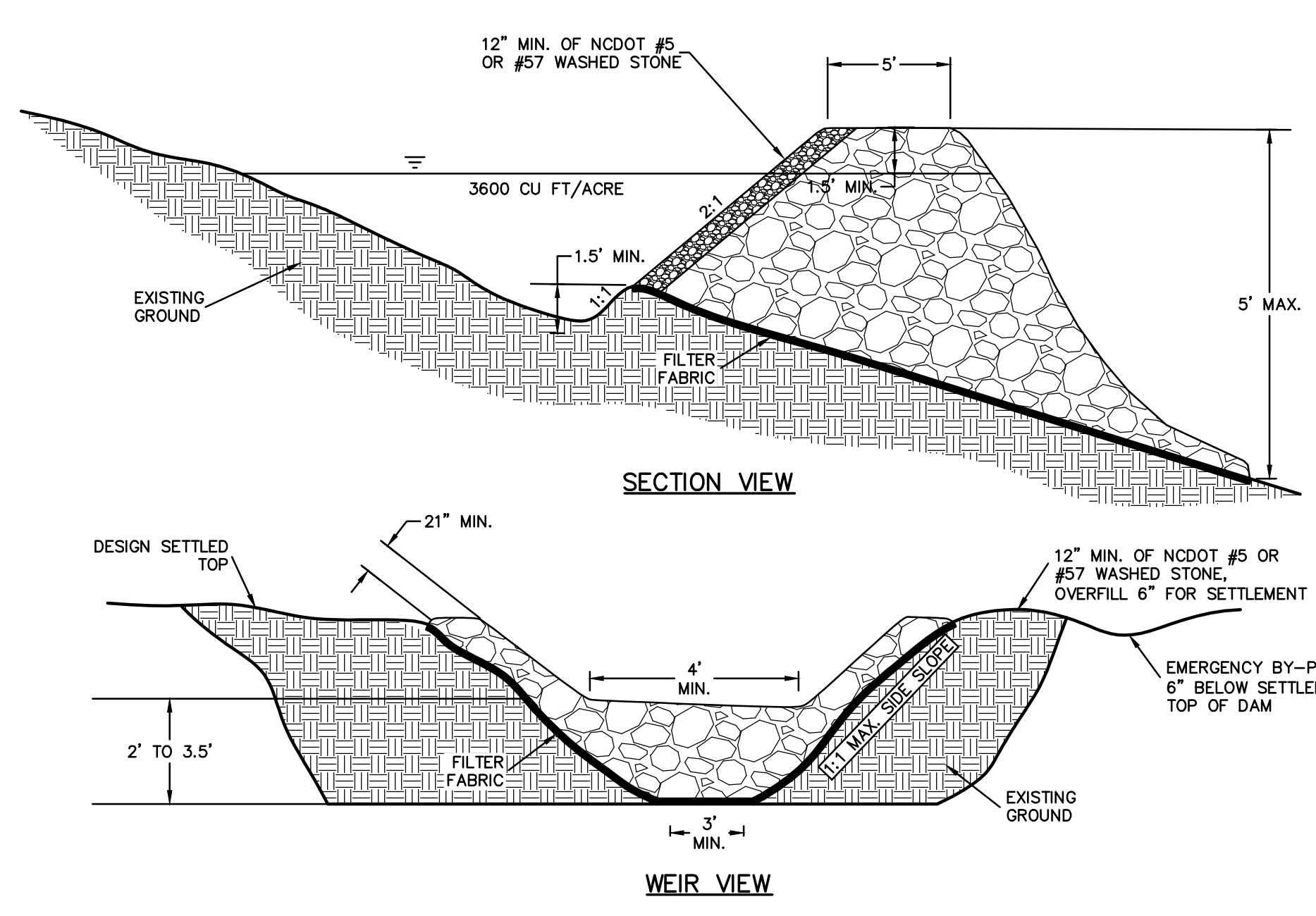
SKIMMER BASIN DETAIL

NOTE:
 1. SEE BAFFLE DETAIL FOR BAFFLE INSTALLATION PROCEDURE AND SPACING.
 2. SEE MAINTENANCE SCHEDULE IN SEDIMENT BASIN DETAIL FOR SKIMMER BASIN MAINTENANCE REQUIREMENTS.



- NOTES:
- A STABILIZED PAD OF CRUSHED STONE SHALL BE LOCATED WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM AN EXISTING ROAD.
 - STONE TO BE 2 - 3 INCH WASHED STONE RAILROAD BALLAST.
 - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC STREETS OR EXISTING PAVEMENT. 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 STREETS MUST BE REMOVED IMMEDIATELY.
 - WHEN NECESSARY WHEELS MUST BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTERING A PUBLIC STREET, WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT BASIN.
 - REFERENCE NCDENR LAND QUALITY SECTION DESIGN MANUAL: 6.06.

STABILIZED CONSTRUCTION ENTRANCE



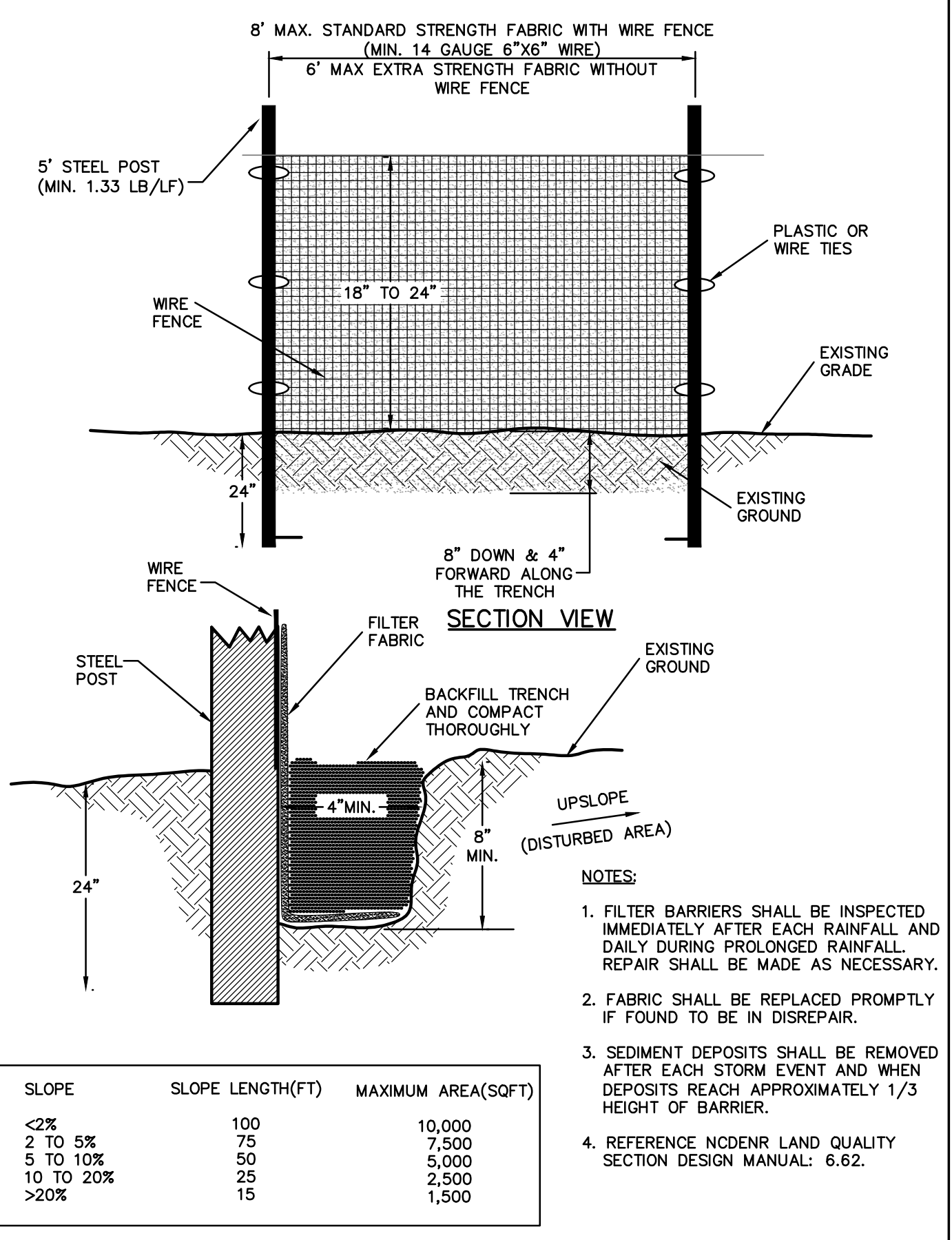
TRAP NUMBER	DISTURBED AREA (ACRES)	AVG. LENGTH (FT.)	AVG. WIDTH (FT.)	AVG. DEPTH (FT.)	WEIR LENGTH (FT)
1	0.2	40	10	2	4' MIN.

DRAINAGE AREA (ACRES)	WEIR LENGTH ¹ (FT.)
1	4.0
2	6.0
3	8.0
4	10.0
5	12.0

¹ DIMENSIONS SHOWN ARE MINIMUM

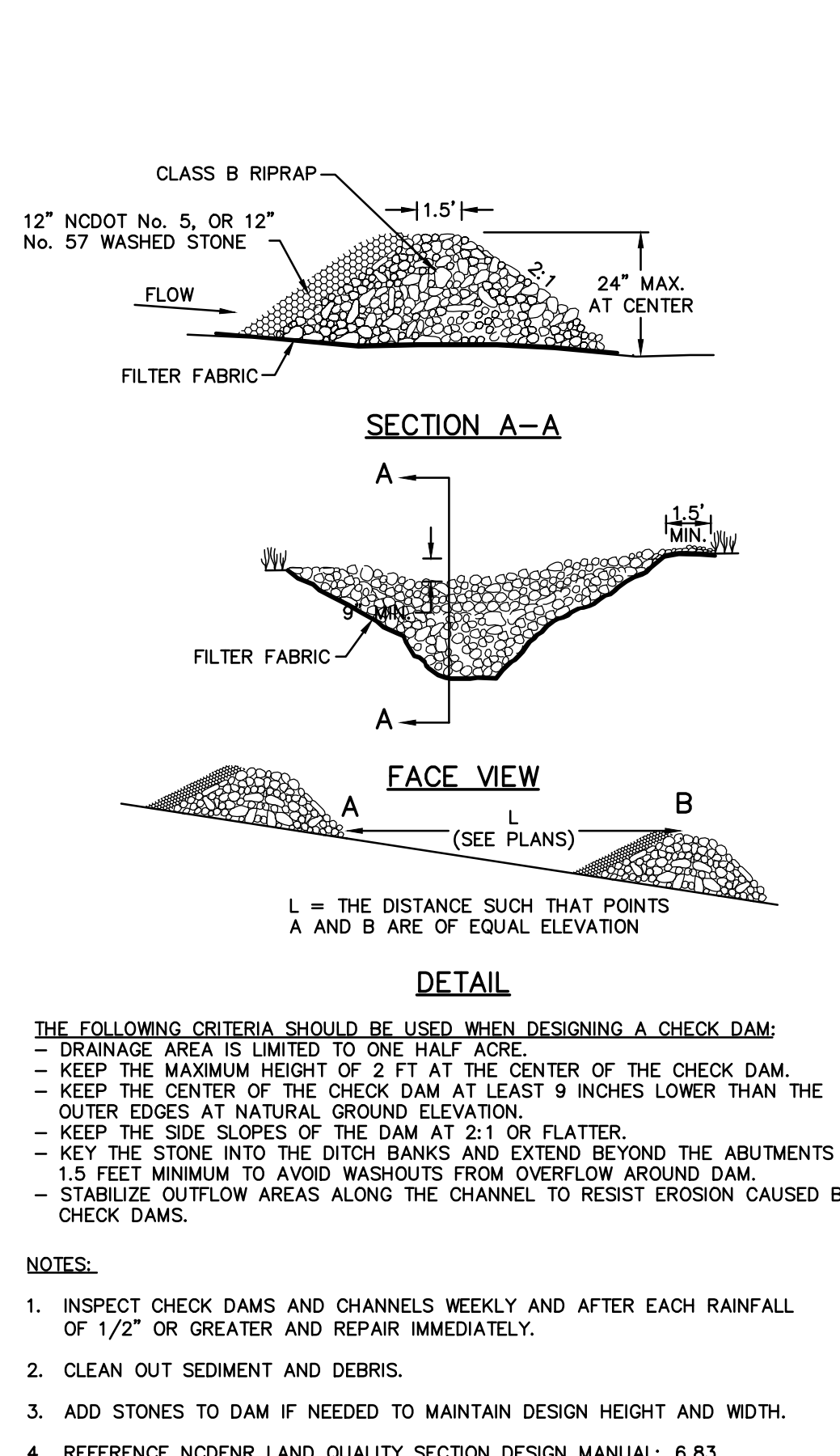
- MAINTENANCE SCHEDULE:**
- AT A MINIMUM, TEMPORARY SEDIMENT TRAPS SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL EVENT GREATER THAN 1/2-INCH.
 - REMOVE SEDIMENT AND RESTORE TRAP TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP.
 - PLACE THE SEDIMENT THAT IS REMOVED IN A DESIGNATED DISPOSAL AREA AND REPLACE THE CONTAMINATED PART OF THE GRAVEL FACING. DISPLACED RIP-RAP SHALL BE REPLACED IMMEDIATELY.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCESS WITHIN LIMITS OF DISTURBED AREA TO ALL SEDIMENT TRAPS FOR MAINTENANCE DURING CONSTRUCTION AND REMOVAL UPON PROJECT COMPLETION.
- NOTE:
 1. SEE BAFFLE DETAIL FOR BAFFLE INSTALLATION PROCEDURE AND SPACING.

TEMPORARY SEDIMENT TRAP



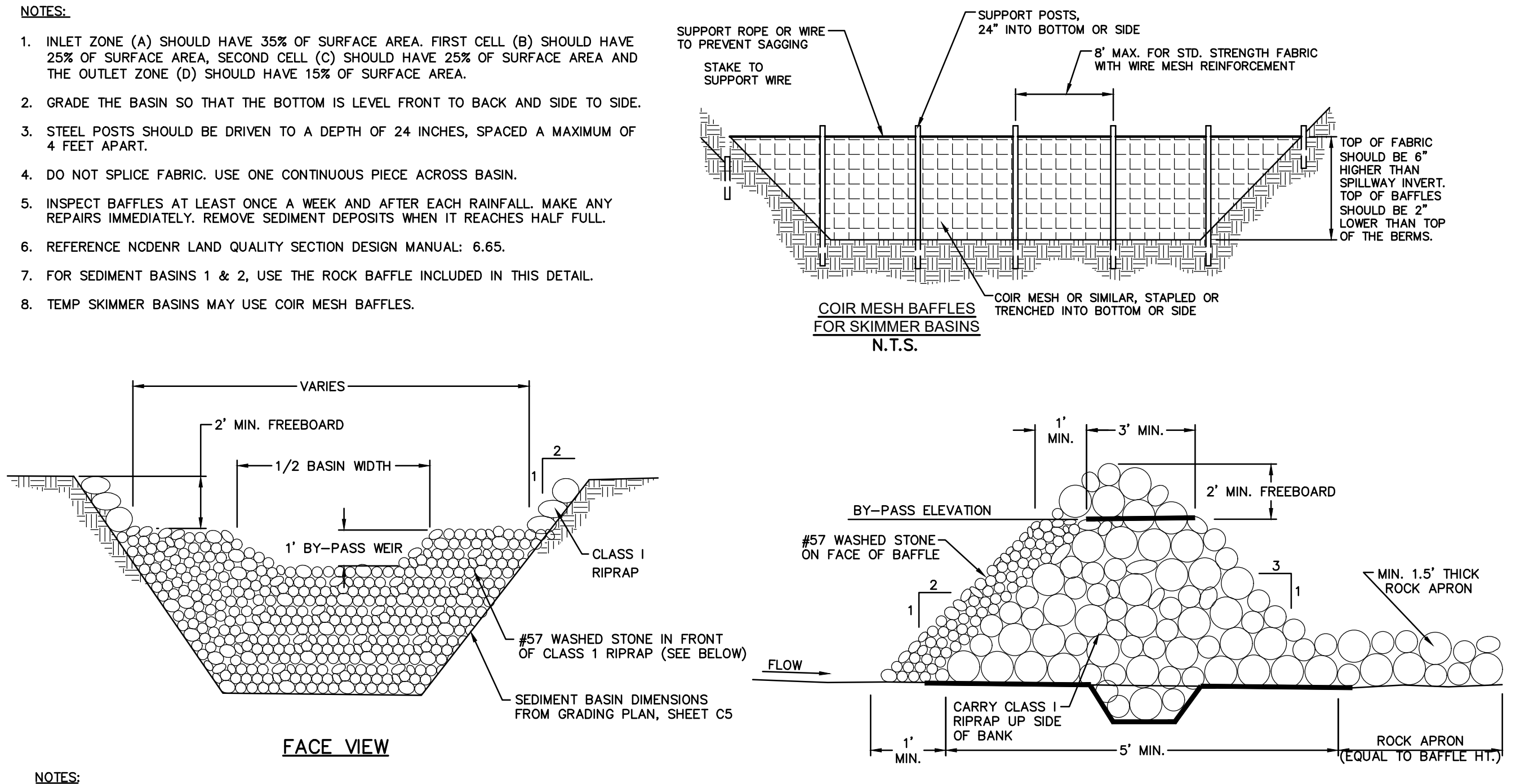
SLOPE	SLOPE LENGTH(FT)	MAXIMUM AREA(SQFT)
<2%	100	10,000
2 TO 5%	75	7,500
5 TO 10%	50	5,000
10 TO 20%	25	2,500
>20%	15	1,500

SEDIMENTATION/SILT FENCE



- THE FOLLOWING CRITERIA SHOULD BE USED WHEN DESIGNING A CHECK DAM:**
- DRAINAGE AREA IS LIMITED TO ONE HALF ACRE.
 - KEEP THE MAXIMUM HEIGHT OF 2 FT AT THE CENTER OF THE CHECK DAM.
 - KEEP THE CENTER OF THE CHECK DAM AT LEAST 9 INCHES LOWER THAN THE OUTER EDGES AT NATURAL GROUND ELEVATION.
 - KEEP THE SIDE SLOPES OF THE DAM AT 2:1 OR FLATTER.
 - KEY THE STONE INTO THE DITCH BANKS AND EXTEND BEYOND THE ABUTMENTS 1.5 FEET MINIMUM TO AVOID WASHOUTS FROM OVERFLOW AROUND DAM.
 - STABILIZE OUTFLOW AREAS ALONG THE CHANNEL TO RESIST EROSION CAUSED BY CHECK DAMS.
- NOTES:
- INSPECT CHECK DAMS AND CHANNELS WEEKLY AND AFTER EACH RAINFALL OF 1/2" OR GREATER AND REPAIR IMMEDIATELY.
 - CLEAN OUT SEDIMENT AND DEBRIS.
 - ADD STONES TO DAM IF NEEDED TO MAINTAIN DESIGN HEIGHT AND WIDTH.
 - REFERENCE NCDENR LAND QUALITY SECTION DESIGN MANUAL: 6.83

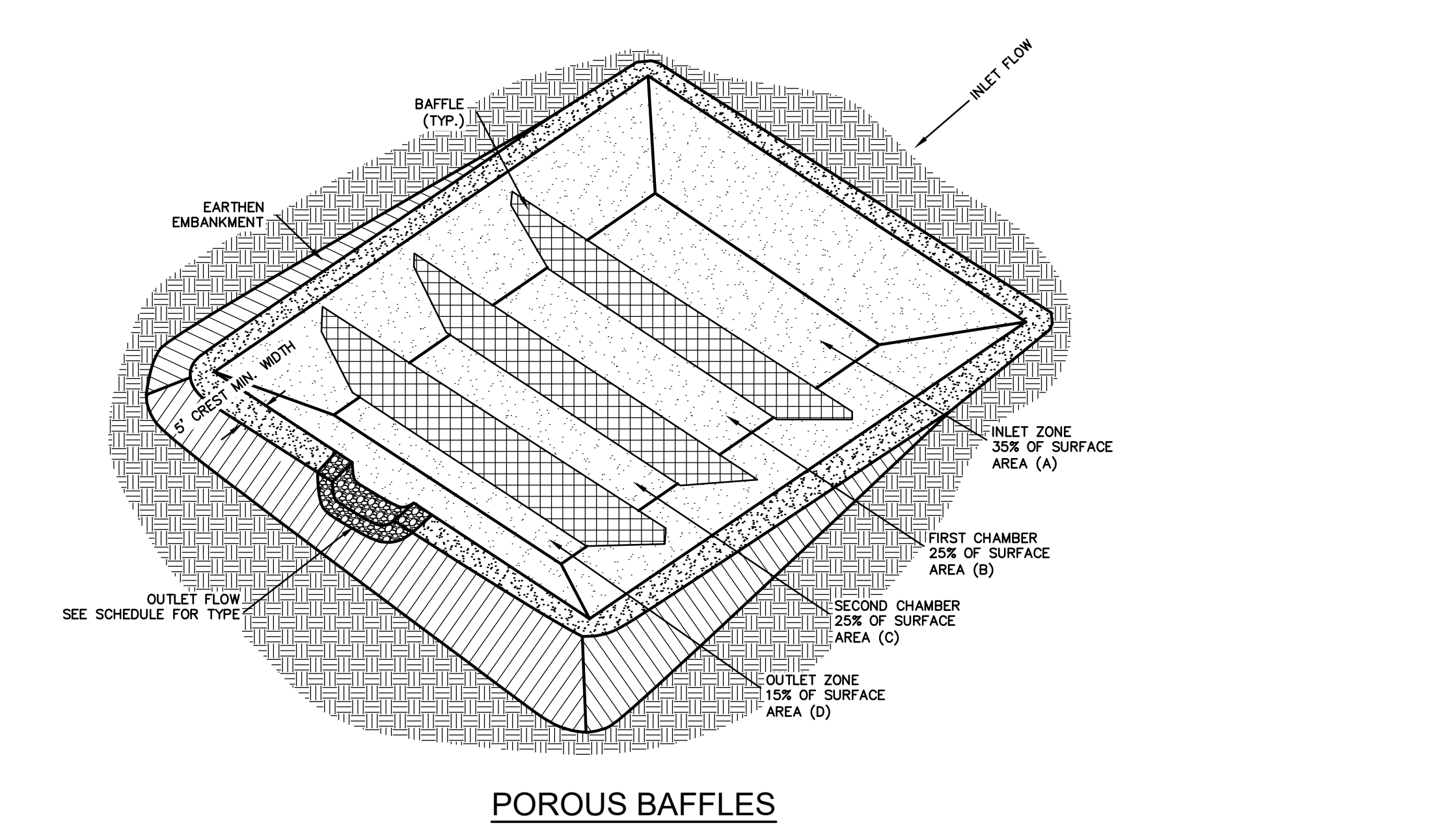
RIPRAP CHECK DAM



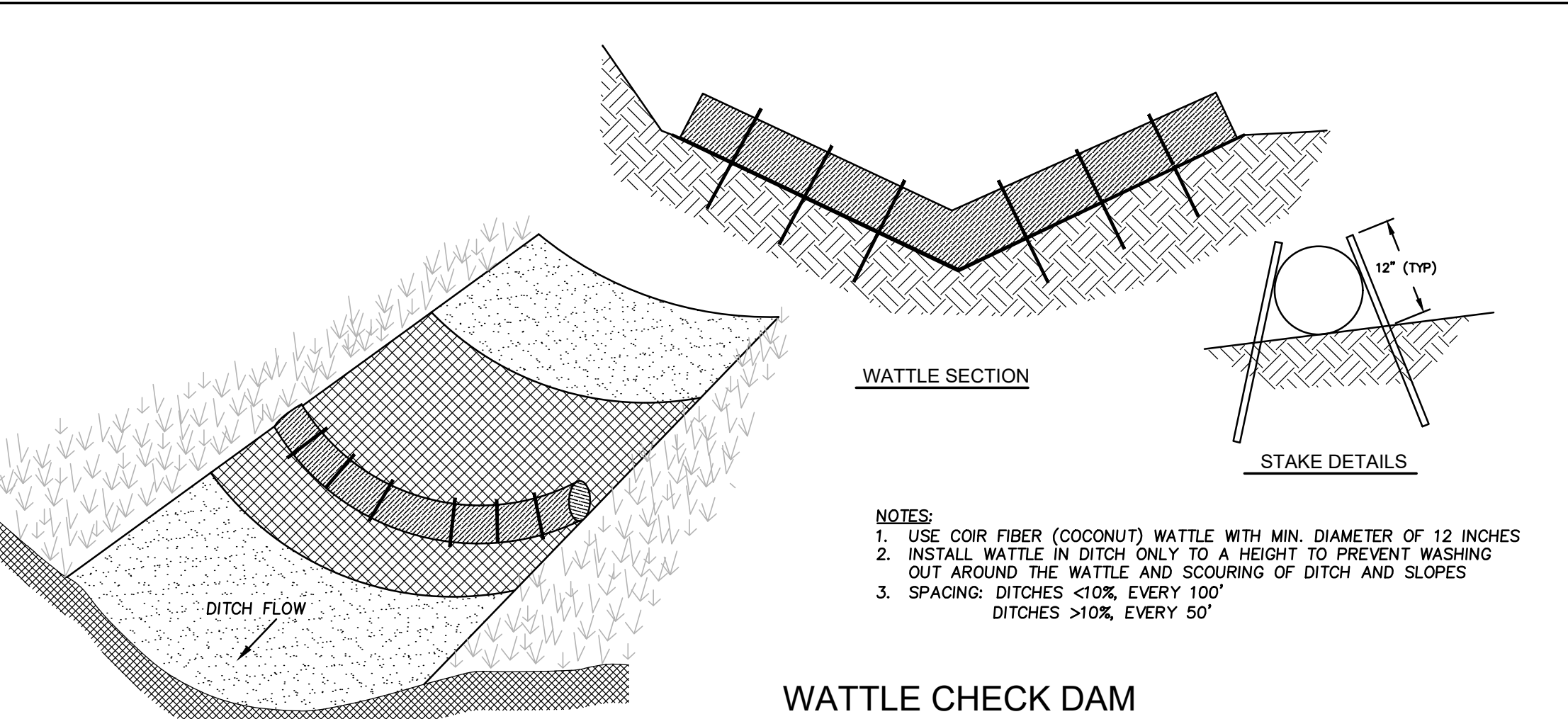
- NOTES:
- INLET ZONE (A) SHOULD HAVE 35% OF SURFACE AREA. FIRST CELL (B) SHOULD HAVE 25% OF SURFACE AREA. SECOND CELL (C) SHOULD HAVE 25% OF SURFACE AREA AND THE OUTLET ZONE (D) SHOULD HAVE 15% OF SURFACE AREA.
 - GRADE THE BASIN SO THAT THE BOTTOM IS LEVEL FRONT TO BACK AND SIDE TO SIDE.
 - STEEL POSTS SHOULD BE DRIVEN TO A DEPTH OF 24 INCHES, SPACED A MAXIMUM OF 4 FEET APART.
 - DO NOT SPLICE FABRIC. USE ONE CONTINUOUS PIECE ACROSS BASIN.
 - INSPECT BAFFLES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REPAIRS IMMEDIATELY. REMOVE SEDIMENT DEPOSITS WHEN IT REACHES HALF FULL.
 - REFERENCE NCDENR LAND QUALITY SECTION DESIGN MANUAL: 6.65.
 - FOR SEDIMENT BASINS 1 & 2, USE THE ROCK BAFFLE INCLUDED IN THIS DETAIL.
 - TEMP SKIMMER BASINS MAY USE COIR MESH BAFFLES.

FACE VIEW

- NOTES:
- RIPRAP AND WASHED STONE SHALL BE CHECKED AFTER EACH RAINFALL TO ENSURE AGAINST EROSION AND SHALL BE REPAIRED AS REQUIRED.
 - SEDIMENT SHALL BE REMOVED WHEN DEPTH OF SEDIMENT REACHES 1/2 HEIGHT OF BAFFLE.



POROUS BAFFLES



- NOTES:
- USE COIR FIBER (COCONUT) WATTLE WITH MIN. DIAMETER OF 12 INCHES
 - INSTALL WATTLE IN DITCH ONLY TO A HEIGHT TO PREVENT WASHING OUT AROUND THE WATTLE AND SCOURING OF DITCH AND SLOPES
 - SPACING: DITCHES <10' EVERY 100' DITCHES >10' EVERY 50'

WATTLE CHECK DAM

BID DOCUMENTS

SIGNED AND DATED:

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED IN ACCORDANCE WITH THE STANDARD CERTIFICATION REQUIREMENTS FOUND IN NC ADMINISTRATIVE CODE 21-58.1103[E]. THIS DIGITAL SIGNATURE HAS BEEN FOUND BY THE NC BOARD OF EXAMINERS FOR ENGINEERS AND SURVEYORS TO MEET THESE STANDARDS. PLEASE CONTACT THE SIGNER IF YOU NEED ASSISTANCE IN VALIDATING THE SIGNATURE.

NO.	DATE	BY	DESCRIPTION

FRANCIS FARM LANDFILL RESTRICTIVE COVER IMPLEMENTATION

HAYWOOD COUNTY

HAYWOOD COUNTY, NORTH CAROLINA

GRAPHIC SCALE DIVISION VALUE = 40 FEET

OFFICE MANAGER	DESIGNER
MDC	DAP
PROJECT MANAGER	REVIEWER
JRB	JRB

MISCELLANEOUS DETAILS

DATE	PROJECT #	FUNDING #
DECEMBER 2019	14.00708	N/A

SHEET

C-504