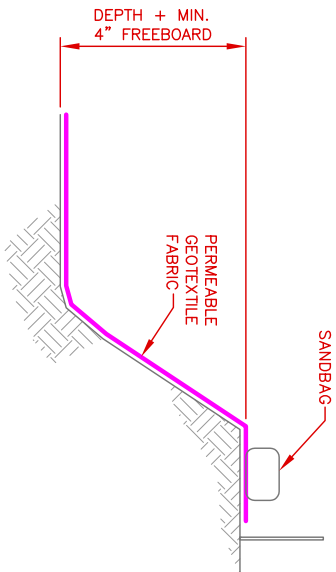
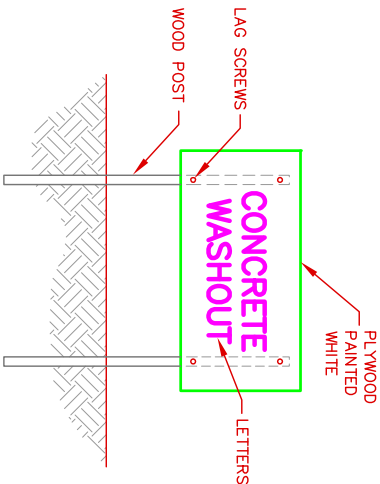


| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|------|------|-------------|-----------|
| –    | –    | –           | –         |
| –    | –    | –           | –         |
| –    | –    | –           | –         |
| –    | –    | –           | –         |

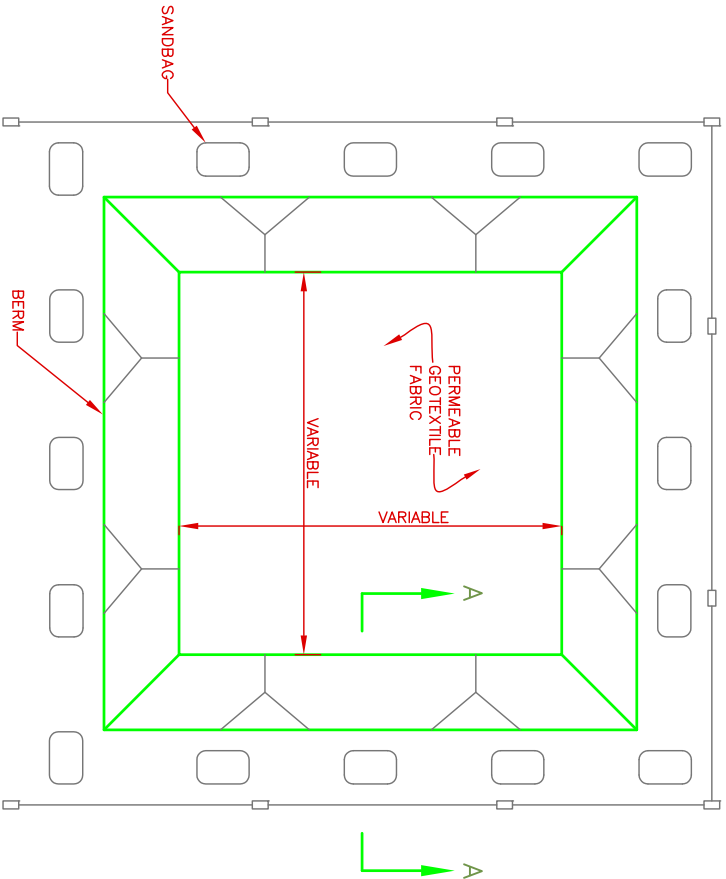
REV. –



SECTION A–A  
NOT TO SCALE



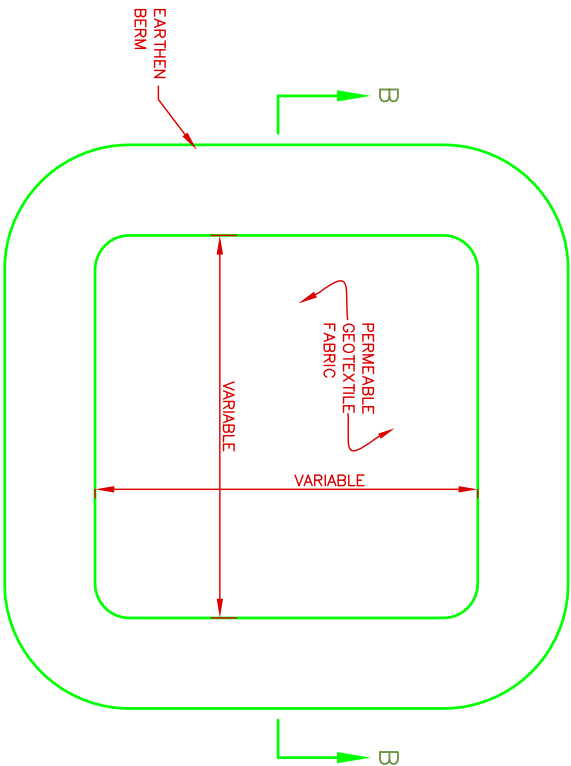
SECTION B–B  
NOT TO SCALE



PLAN VIEW  
NOT TO SCALE

TYPE “BELOW GRADE”

CONCRETE WASHOUT  
SIGN (OR EQUIVALENT)



PLAN VIEW  
NOT TO SCALE

TYPE “ABOVE GRADE”  
WITH EATHERN BERMS

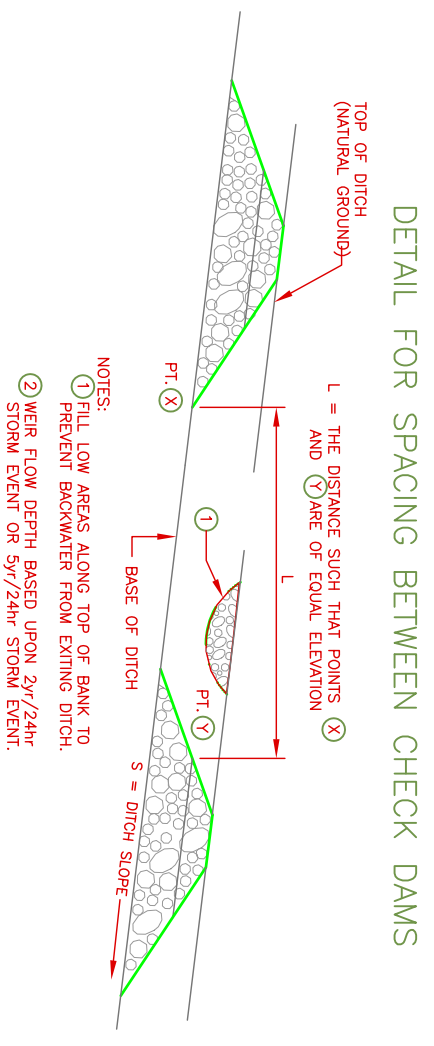
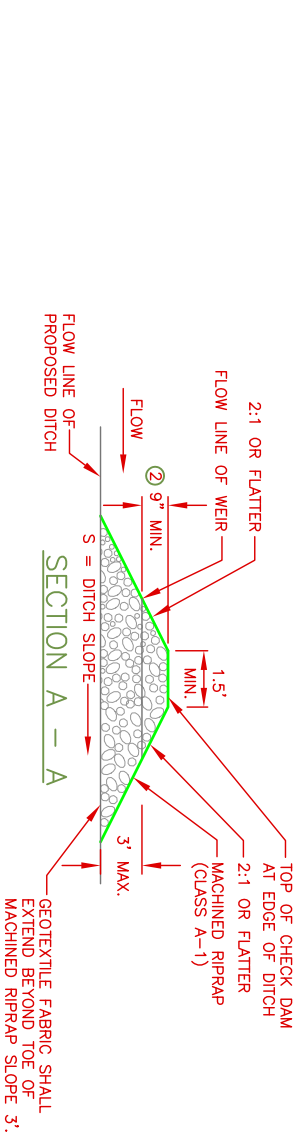
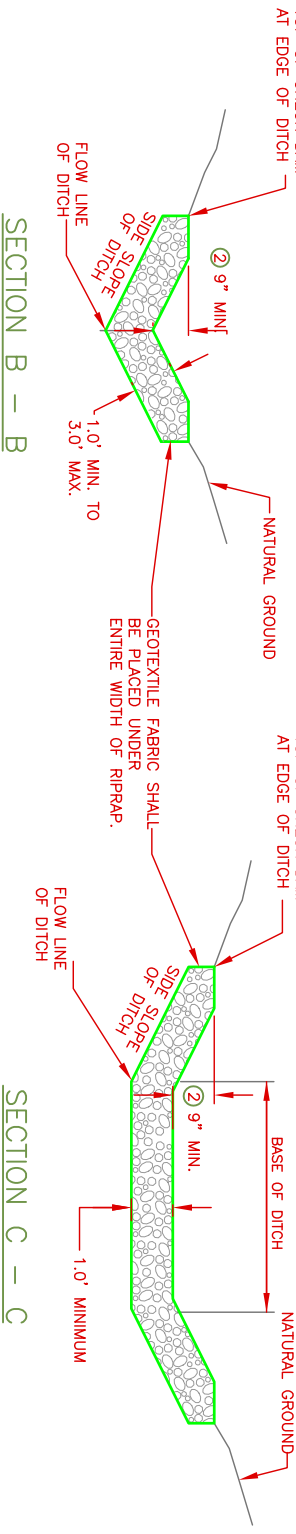
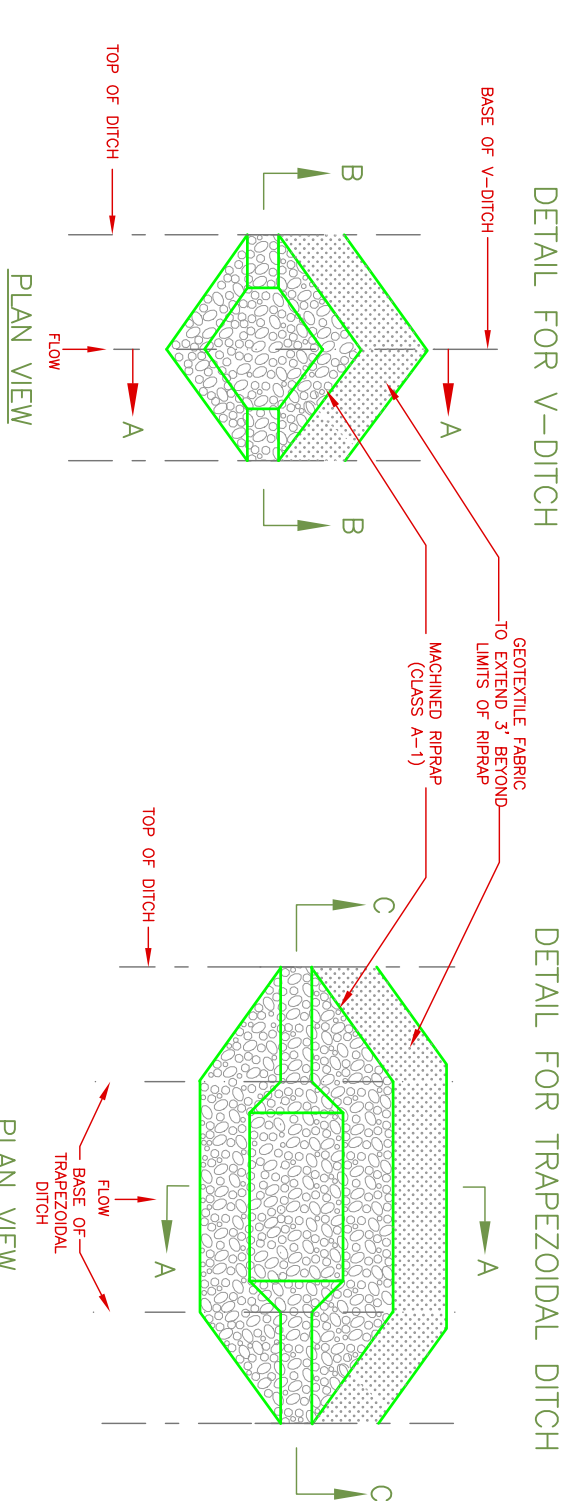
NOTES:

1. ACTUAL LAYOUT DETERMINED IN THE FIELD.
2. SIGNAGE IDENTIFYING THE CONCRETE WASHOUT AREA SHALL BE INSTALLED WITHIN 5FT. OF THE WASHOUT FACILITY.

EROSION CONTROL PLAN LEGEND: **CONCRETE WASHOUT** CONCRETE WASHOUT



CONCRETE  
WASHOUT



EROSION CONTROL PLAN LEGEND

→ CHECK DAM

| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|------|------|-------------|-----------|
| -    | -    | -           | -         |
| -    | -    | -           | -         |
| -    | -    | -           | -         |
| -    | -    | -           | -         |

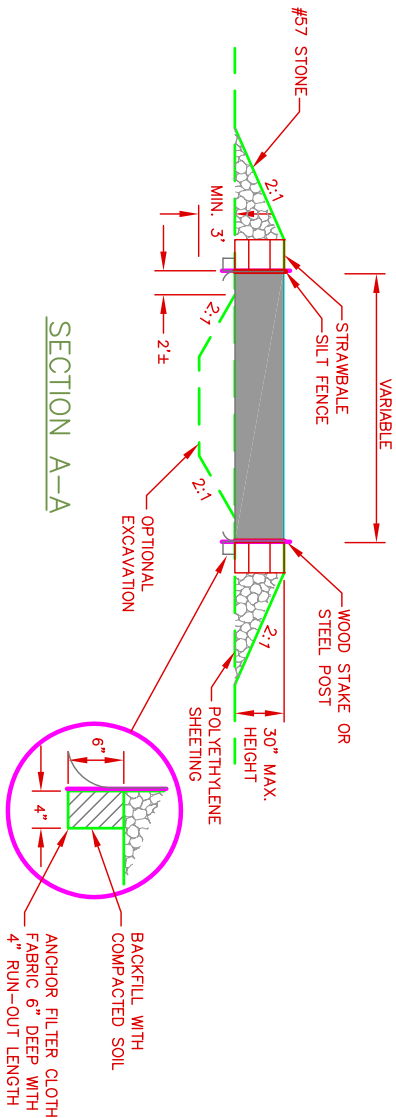
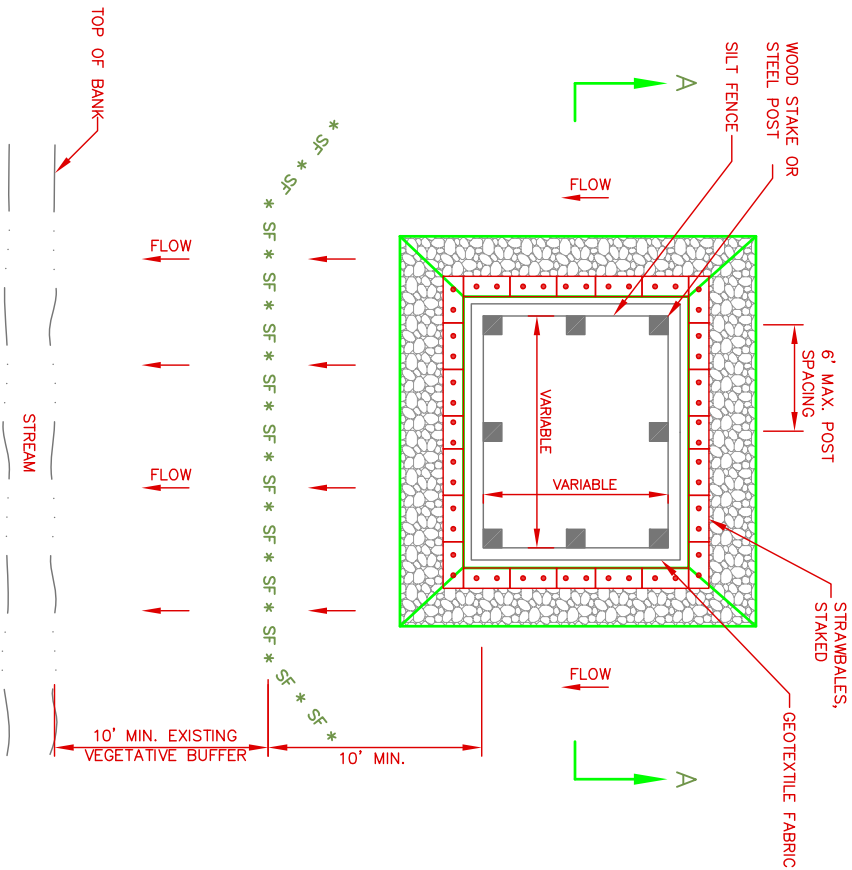
REV. -



CHECK DAM

NOT TO SCALE

7.20



TRENCHING DETAIL

EROSION CONTROL PLAN LEGEND:



DEWATERING STRUCTURE

| DEWATERING STRUCTURE VOLUMES AND DIMENSIONS |                                    |                     |  |
|---|------------------------------------|---------------------|--|
| PUMP DIAMETER (INCHES)                      | STORAGE VOLUME REQ'D (CUBIC YARDS) | INTERIOR DIMENSIONS |  |
| 2   | 140                                | 30' X 30'           |  |
| 3   | 260                                | 41' X 41'           |  |
| 4   | 500                                | 57' X 57'           |  |
| 6   | 1,100                              | 85' X 85'           |  |

1. DIMENSIONS BASED ON THE MAXIMUM STRUCTURE HEIGHT OF 30" AND THE LENGTH BEING EQUAL TO THE WIDTH. OPTIONAL EXCAVATION IS NOT INCLUDED.
2. ADJUSTMENTS SHOULD BE MADE TO THE DIMENSIONS TO OBTAIN THE BEST CONFIGURATION FOR THE PROJECT SITE. DIMENSIONS ARE BASED ON THE DEWATERING STRUCTURE BEING HORIZONTAL.

| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|------|------|-------------|-----------|
| –    | –    | –           | –         |
| –    | –    | –           | –         |
| –    | –    | –           | –         |
| –    | –    | –           | –         |

REV. –

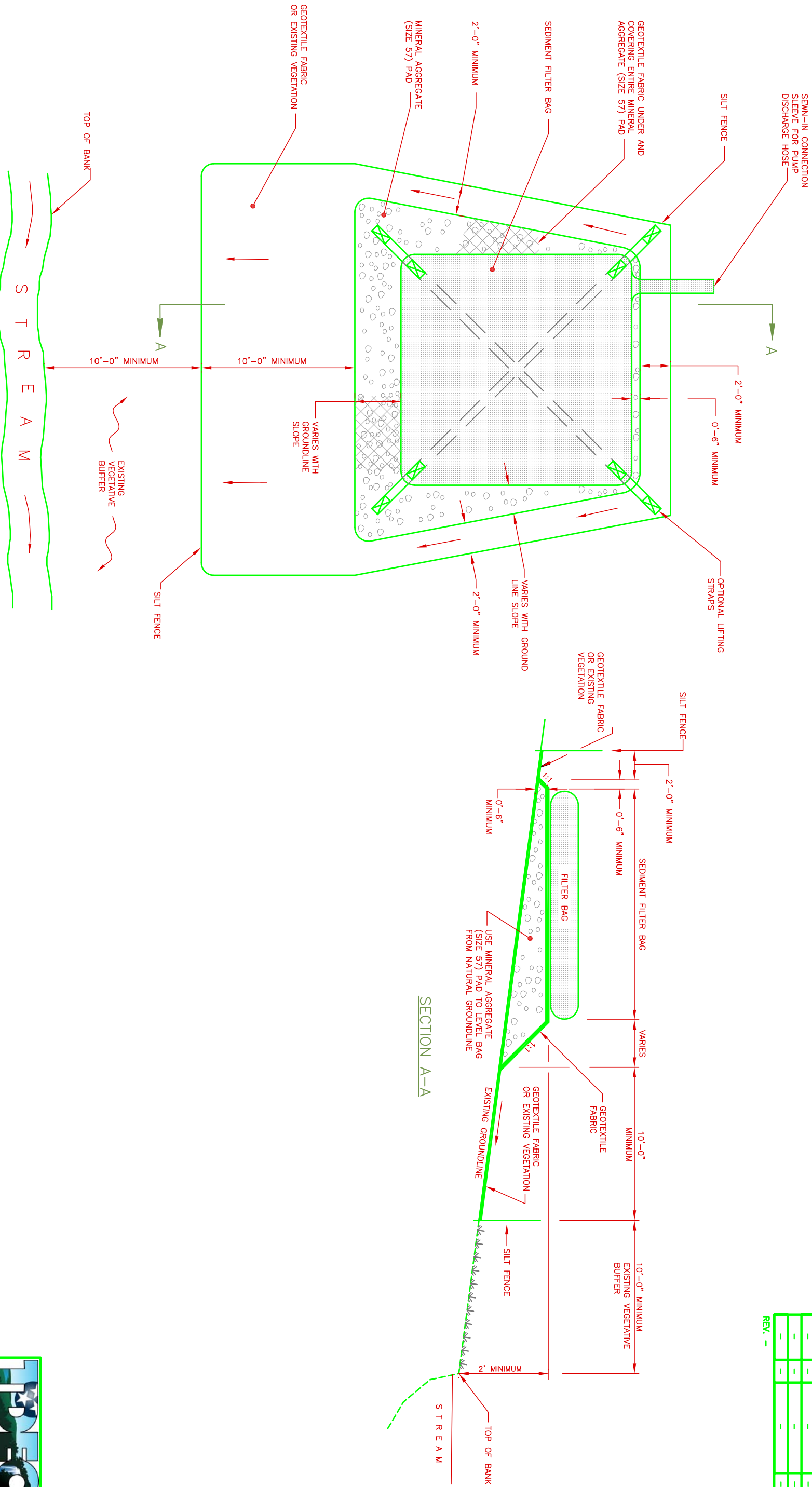


DEWATERING PRACTICES (1)

SILT FENCE AND STRAW DEWATERING PIT  
NOT TO SCALE

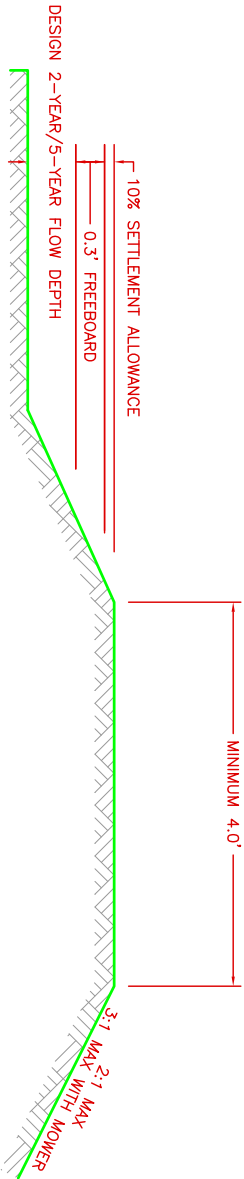
| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|------|------|-------------|-----------|
| -    | -    | -           | -         |
| -    | -    | -           | -         |
| -    | -    | -           | -         |
| -    | -    | -           | -         |

REV. -

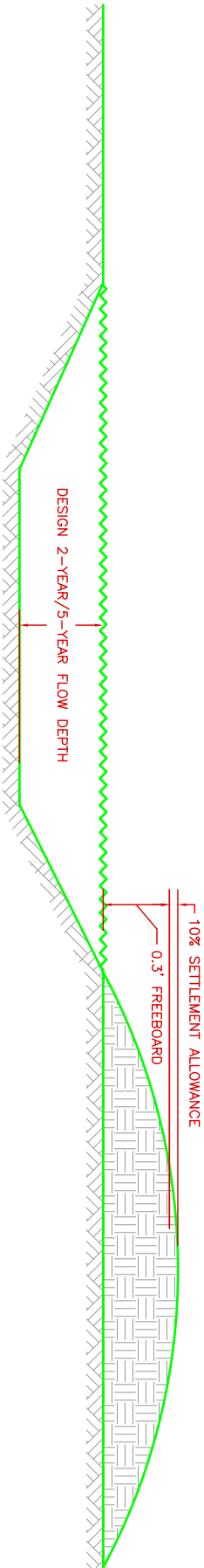


| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|------|------|-------------|-----------|
| -    | -    | -           | -         |
| -    | -    | -           | -         |
| -    | -    | -           | -         |

REV. -



DIVERSION BERM



DIVERSION CHANNEL WITH BERM

EROSION CONTROL PLAN LEGEND: TD DIVERSION



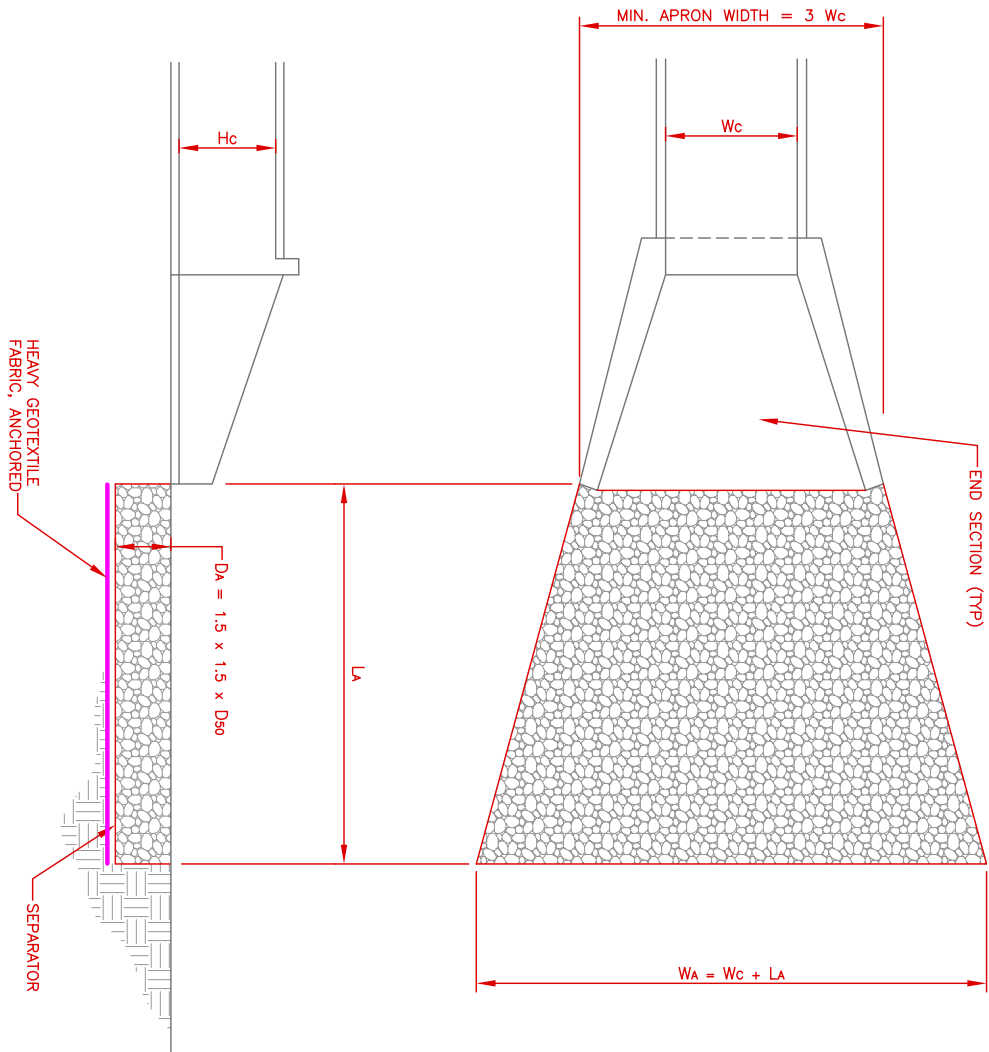
DIVERSION

NOT TO SCALE

7.22

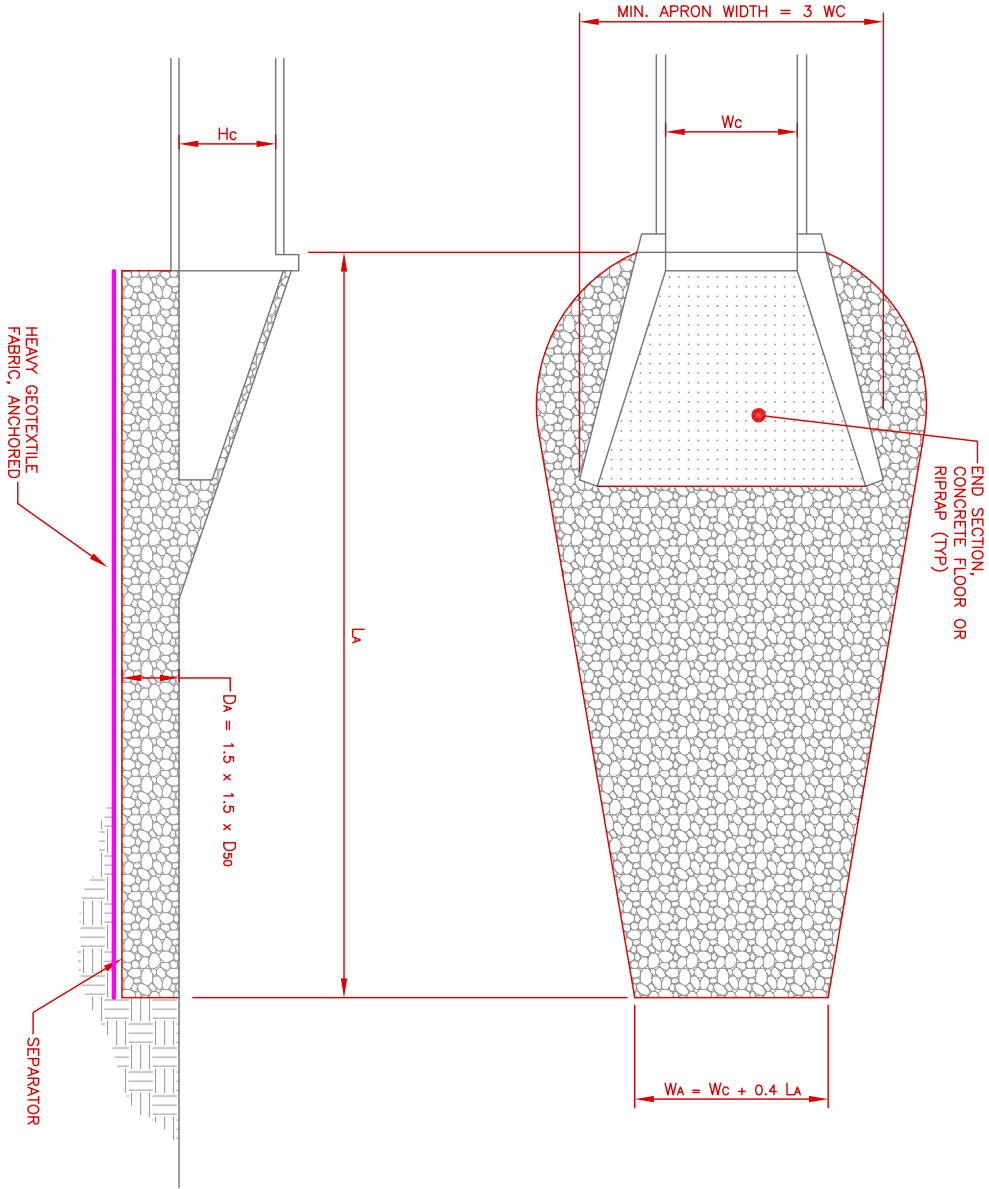
| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|------|------|-------------|-----------|
| –    | –    | –           | –         |
| –    | –    | –           | –         |
| –    | –    | –           | –         |

REV. –



TAILWATER < 0.5 Hc AND ASSUMING FULL  
CULVERT FLOW (LOW TAILWATER CONDITIONS)

Hc = HEIGHT OF CULVERT  
Wc = WIDTH OF CULVERT  
La = LENGTH OF RIP-RAP APRON  
Wa = WIDTH OF RIP-RAP APRON AT END  
D50 = MEDIAN RIP-RAP SIZE  
Dmax = MAXIMUM SIZE OF RIP-RAP = 1.5 D50  
Da = DEPTH OF RIP-RAP APRON = 1.5 Dmax  
SEPARATOR = GEOTEXTILE UNDERLAYMENT OR GRAVEL  
FILTER BLANKET



TAILWATER > 0.5 Hc AND ASSUMING FULL  
CULVERT FLOW (HIGH TAILWATER CONDITIONS)

EROSION CONTROL PLAN LEGEND: OP

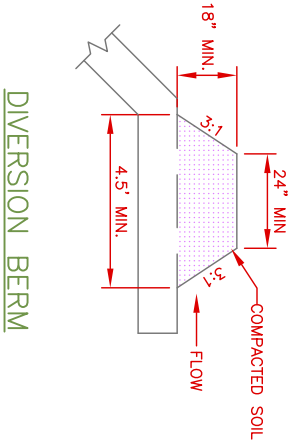


OUTLET  
PROTECTION

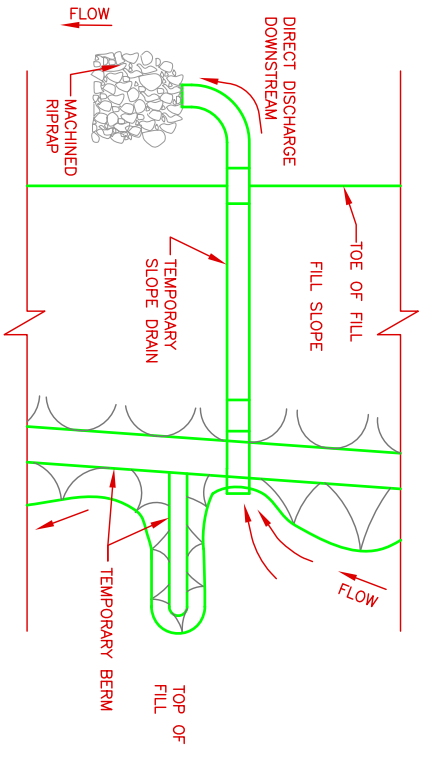
NOT TO SCALE

7.23

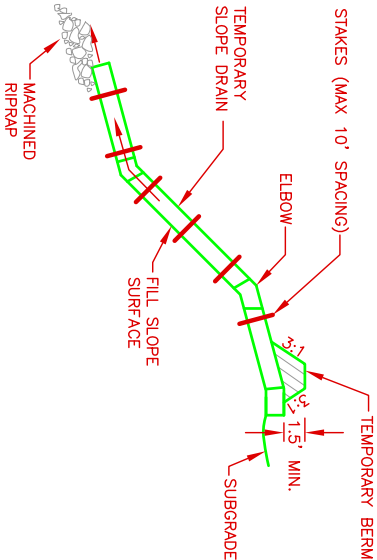
TEMPORARY BERM DETAILS



TEMPORARY SLOPE DRAIN WITH BERM AND RIP-RAP



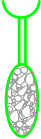
PLAN VIEW



SIDE VIEW

| TEMPORARY SLOPE DRAIN SIZES |           |               |
|-----------------------------|-----------|---------------|
| NO.                         | PIPE DIA. | DRAINAGE AREA |
|                             |           |               |
|                             |           |               |
|                             |           |               |
|                             |           |               |

EROSION CONTROL PLAN LEGEND:



SLOPE DRAIN

| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|------|------|-------------|-----------|
| —    | —    | —           | —         |
| —    | —    | —           | —         |
| —    | —    | —           | —         |

REV. --

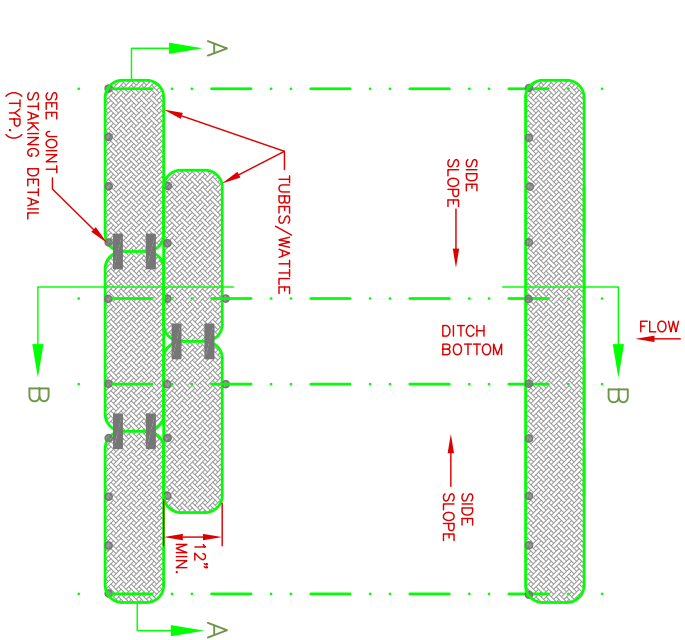


SLOPE DRAIN

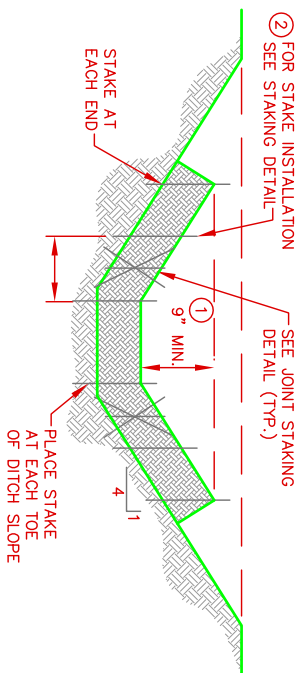
NOT TO SCALE

7.24

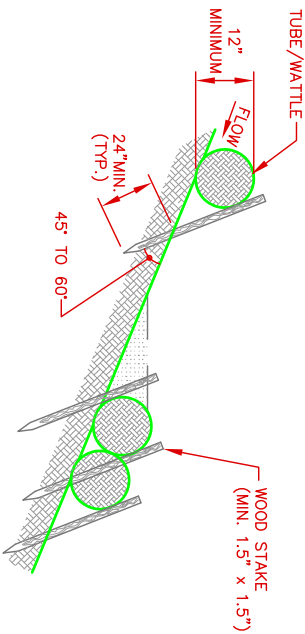




PLAN VIEW FOR DITCH APPLICATION



SECTION A-A



SECTION B-B

EROSION CONTROL PLAN LEGEND:    TUBES AND WATTLES

| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|------|------|-------------|-----------|
| –    | –    | –           | –         |
| –    | –    | –           | –         |
| –    | –    | –           | –         |

REV. –



TUBES AND  
WATTLES

NOT TO SCALE

7.25



REV. —

WEIR LENGTH "L" = DESIGN Q IN CFS DIVIDED BY UNIT WEIR FLOW IN CFS/LF

WEIR LENGTH "L" = DESIGN Q IN CFS DIVIDED BY UNIT WEIR FLOW IN CFS/LF

MINIMUM WEIR LENGTH = 4 FEET

WEIR LENGTH > 200 FEET IS NOT RECOMMENDED

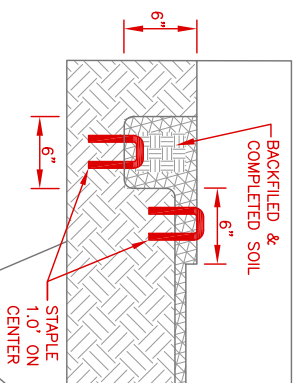
EXAMPLE: DESIGN Q = 7 cfs

$\sigma_D = 6\%$

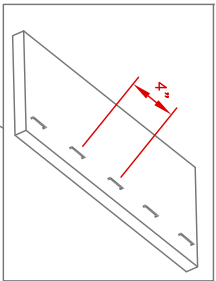
THUS,  
 $L = 7/0.20 = 35$  FEET  
 $D = 2.5$  FEET

\* = NOT RECOMMENDED

ANCHOR TRENCH DETAIL

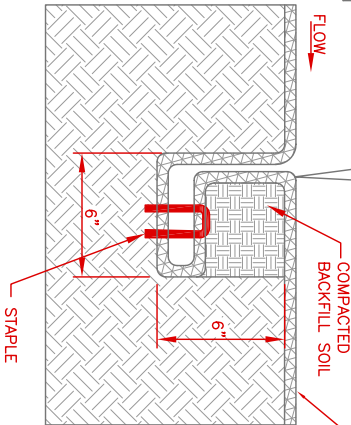
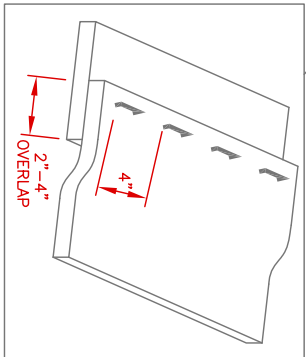
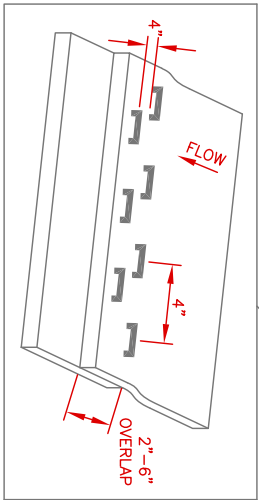
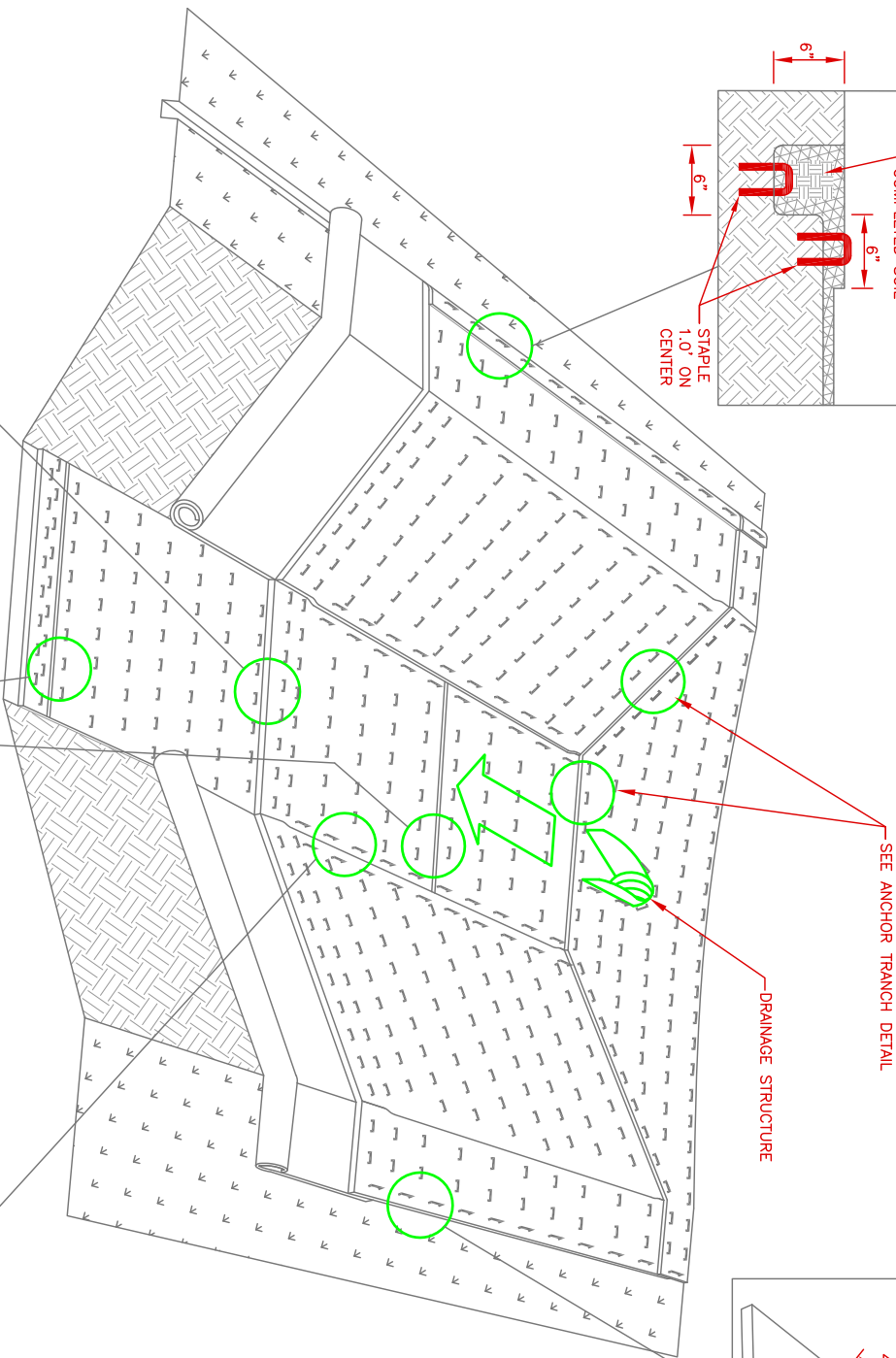


ALTERNATE ANCHOR



| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|------|------|-------------|-----------|
| -    | -    | -           | -         |
| -    | -    | -           | -         |
| -    | -    | -           | -         |

REV. -



SLOPE INTERRUPTION CHECK SLOT

EROSION CONTROL PLAN LEGEND:  ROLLED EROSION CONTROL PRODUCTS

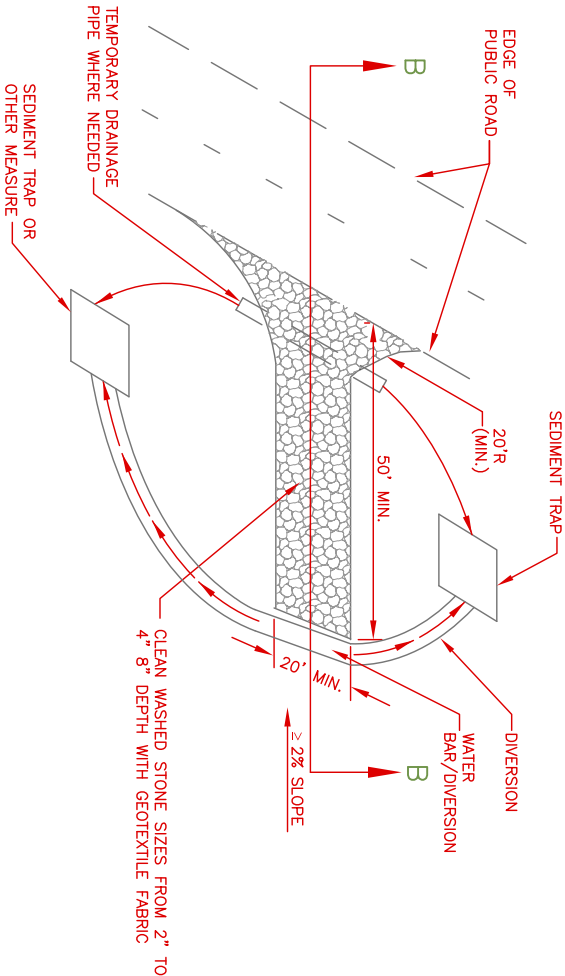
SEE NOTE (H)

NOT TO SCALE

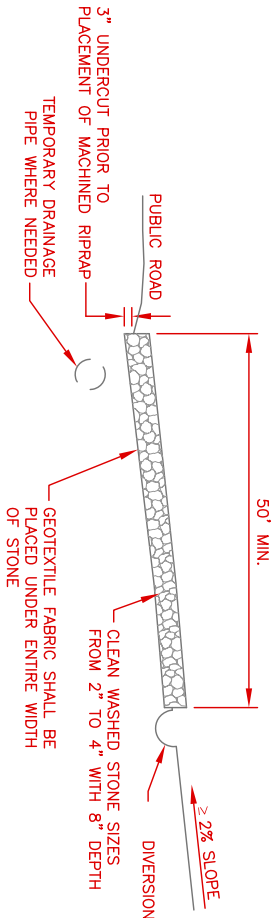


CHANNEL

7.27



PLAN VIEW OF TEMPORARY CONSTRUCTION ROAD



SECTION B-B



CONSTRUCTION EXIT

| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|------|------|-------------|-----------|
| -    | -    | -           | -         |
| -    | -    | -           | -         |
| -    | -    | -           | -         |
| -    | -    | -           | -         |

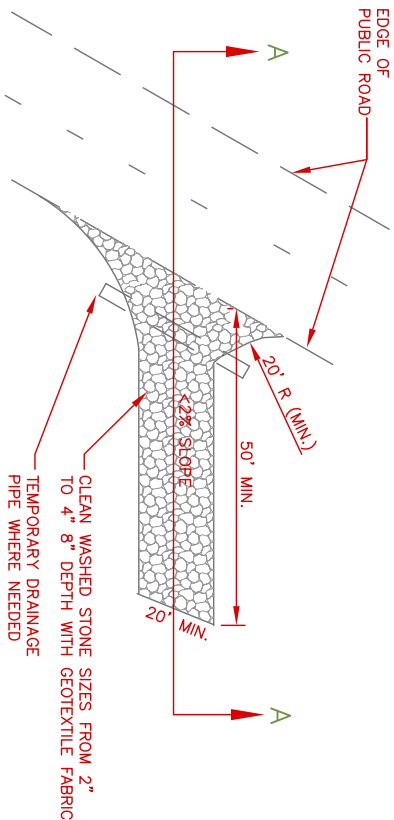
REV. -



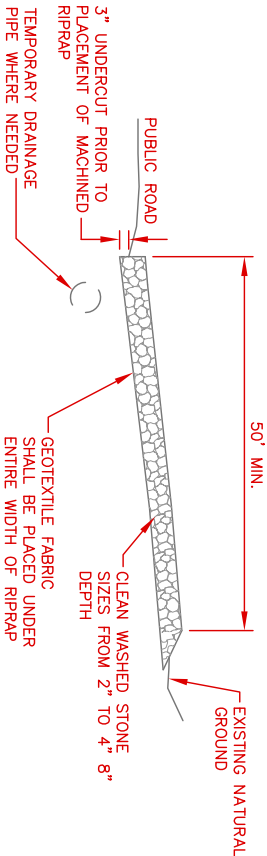
CONSTRUCTION  
EXIT WITH  
WATER BAR

NOT TO SCALE

7.28



PLAN VIEW OF TEMPORARY CONSTRUCTION ROAD



SECTION A-A



| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|------|------|-------------|-----------|
| -    | -    | -           | -         |
| -    | -    | -           | -         |
| -    | -    | -           | -         |
| -    | -    | -           | -         |

REV. -



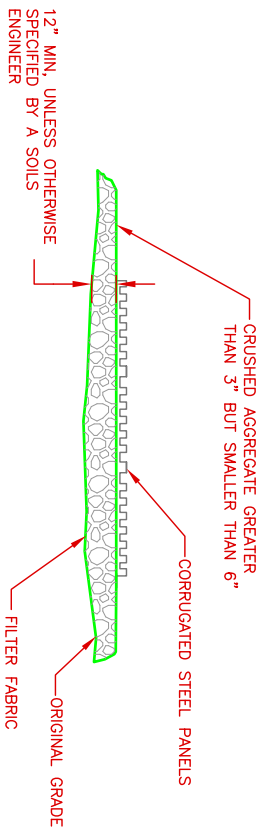
CONSTRUCTION  
EXIT

NOT TO SCALE

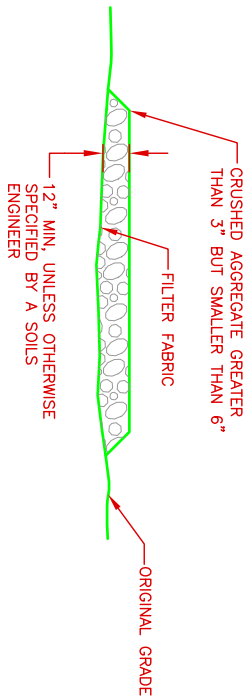
7.28

| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|------|------|-------------|-----------|
| -    | -    | -           | -         |
| -    | -    | -           | -         |
| -    | -    | -           | -         |
| -    | -    | -           | -         |

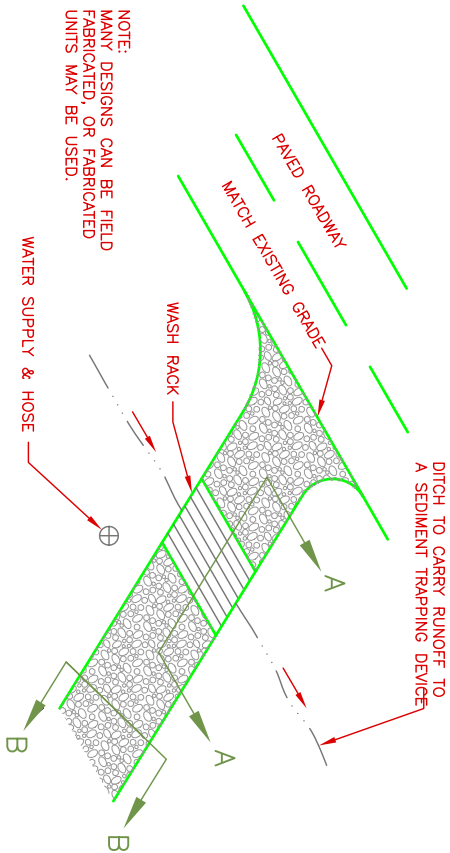
REV. -



SECTION A-A

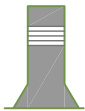


SECTION B-B



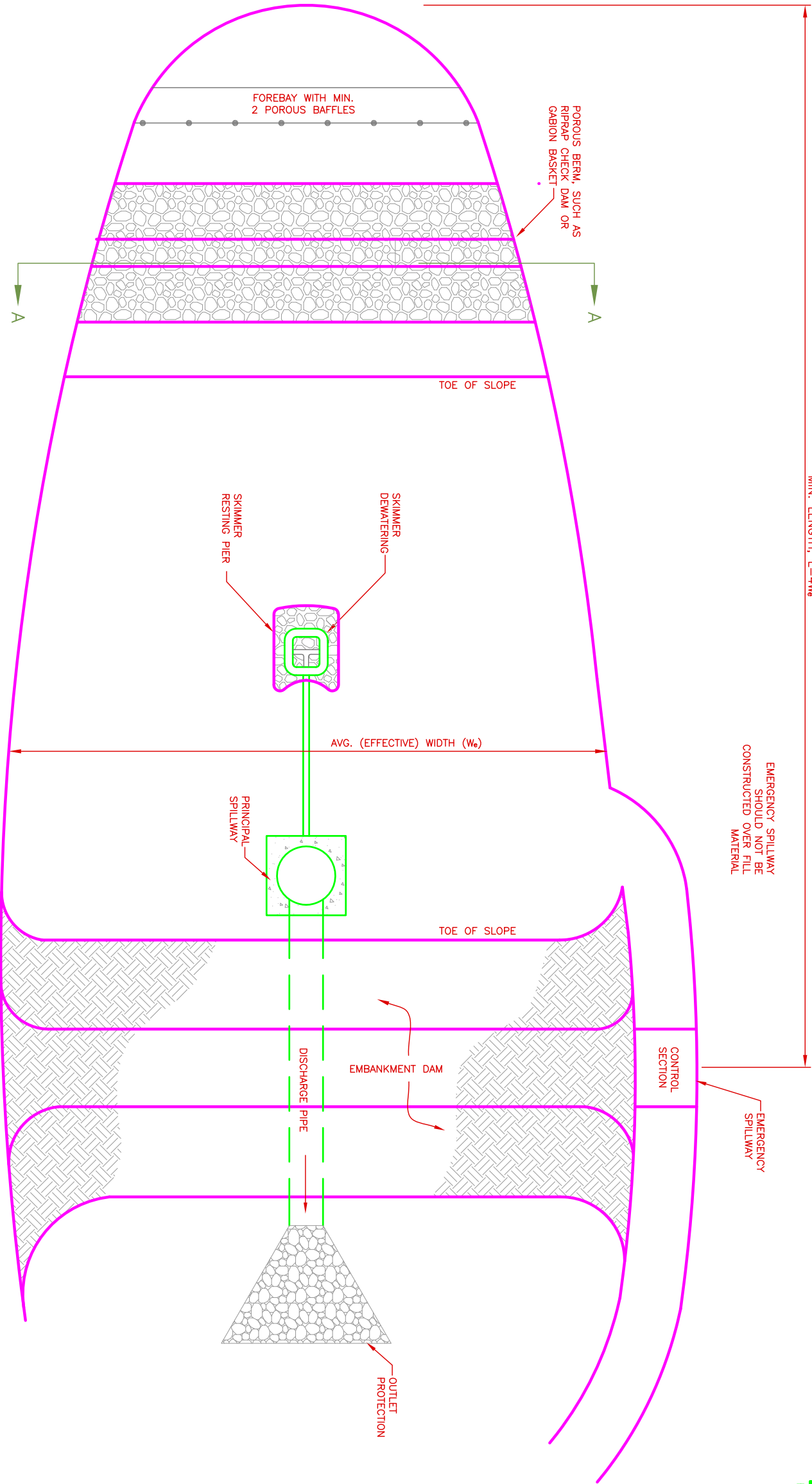
NOTE:  
MANY DESIGNS CAN BE FIELD  
FABRICATED, OR FABRICATED  
UNITS MAY BE USED.

TYPICAL TIRE WASH



TIRE WASHING FACILITY





PLAN VIEW

EROSION CONTROL PLAN LEGEND :



SEDIMENT BASIN

| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|------|------|-------------|-----------|
| –    | –    | –           | –         |
| –    | –    | –           | –         |
| –    | –    | –           | –         |

REV. –

NOT TO SCALE



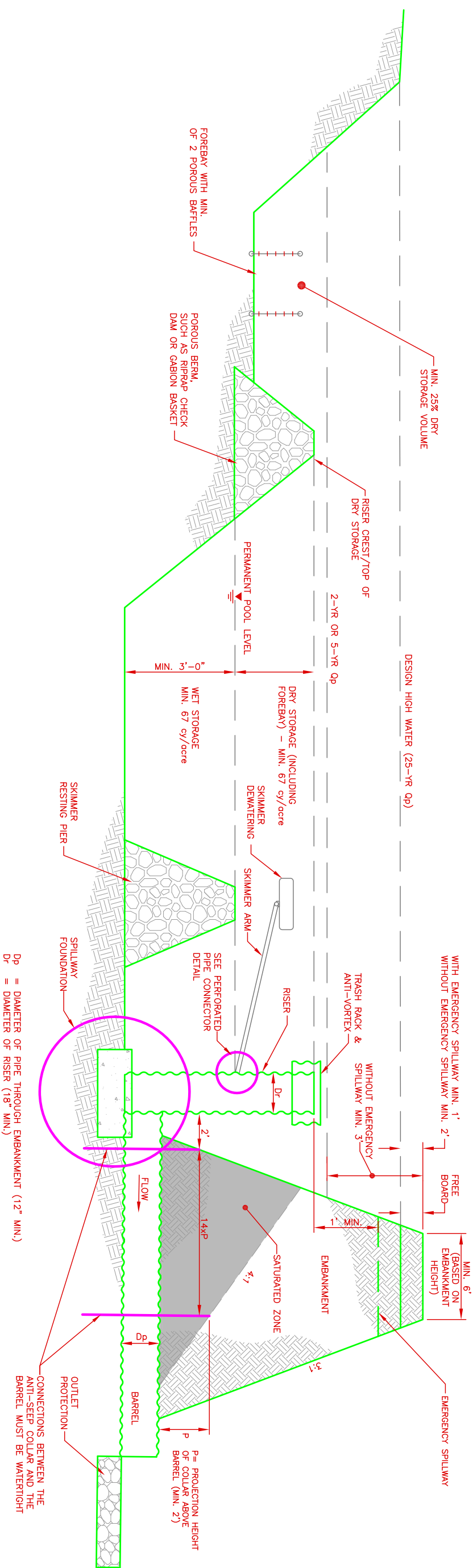
SEDIMENT  
BASIN

7.31



| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|------|------|-------------|-----------|
| –    | –    | –           | –         |
| –    | –    | –           | –         |
| –    | –    | –           | –         |
| –    | –    | –           | –         |

REV. –



BASIN SCHEDULE

| FACILITY | RISER PIPE DIA. (FT.) | BARREL PIPE DIA. (FT.) | PERMANENT POOL ELEVATION | PRINCIPAL SPILLWAY ELEVATION FEET, AMSL | EMERGENCY SPILLWAY ELEVATION FEET, AMSL | EMERGENCY SPILLWAY WIDTH | EMERGENCY SLOPE | TOP OF EMBANKMENT ELEVATION FEET, AMSL | BOTTOM OF BASIN ELEVATION FEET, AMSL |
|----------|-----------------------|------------------------|--------------------------|---|---|--------------------------|-----------------|--|--------------------------------------|
| BASIN 1  | 00'                   | 00'                    | 000.00                   | 000.00                                  | 000.00                                  | 00'                      | 2H:3V           | 000.00                                 | 000.00                               |

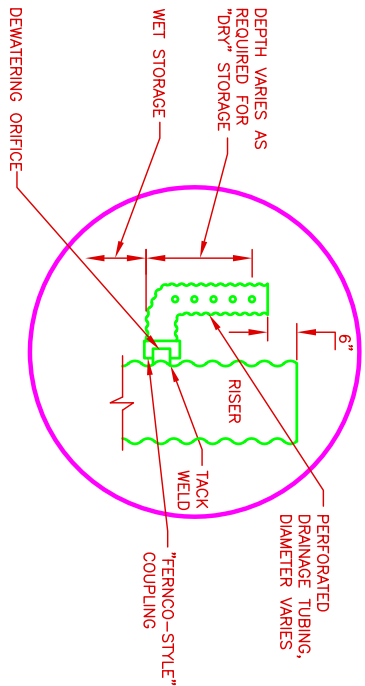
PERFORATED PIPE DEWATERING DEVICE SPECIFICATIONS

| FACILITY | PIPE DIAMETER | INLET ELEVATION | NUMBER OF SLOTS/HOLES |
|----------|---------------|-----------------|-----------------------|
| BASIN 1  | 0.0"          | 000.00          | 0                     |

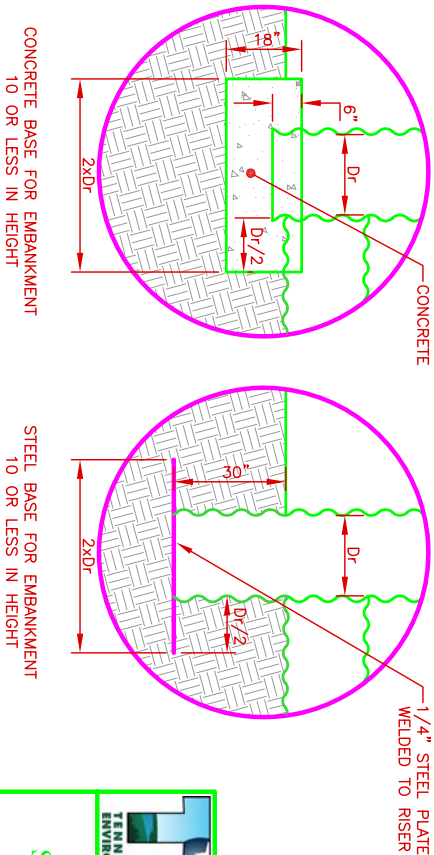
SKIMMER DEWATERING DEVICE SPECIFICATIONS

| FACILITY | SKIMMER NO. | ARM DIAMETER | ORIFICE DIAMETER |
|----------|-------------|--------------|------------------|
| BASIN 1  | 0           | 0.0"         | 0.0"             |

ALTERNATIVE DEWATERING DEVICE PERFORATED VERTICAL PIPE OR TUBING



SPILLWAY FOUNDATIONS FOR RISER HEIGHTS <10'



NOT TO SCALE

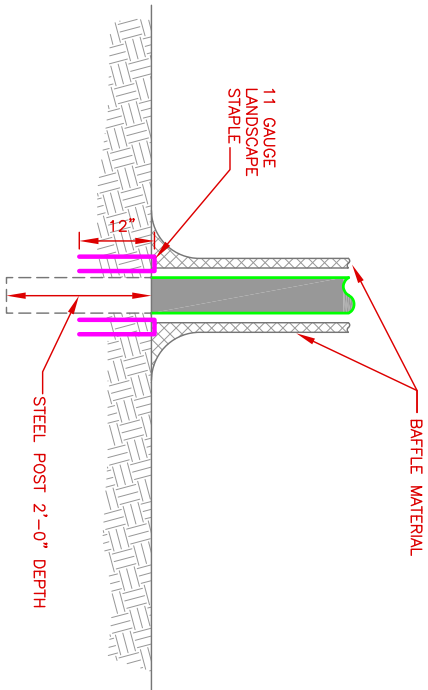
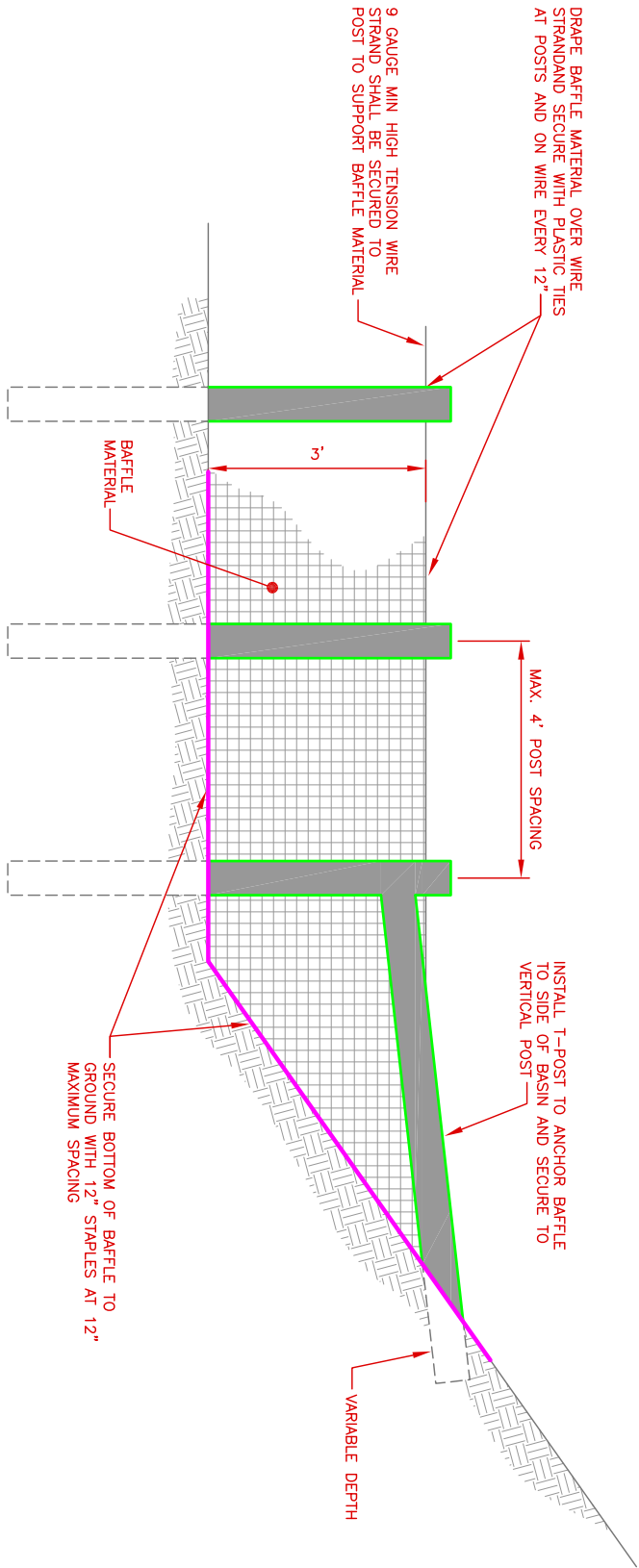


SEDIMENT BASIN

7.31







BAFFLE MATERIAL SHALL BE SECURED TO THE BOTTOM AND SIDES OF BASIN USING 12" LANDSCAPE STAPLES

| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|------|------|-------------|-----------|
| –    | –    | –           | –         |
| –    | –    | –           | –         |
| –    | –    | –           | –         |

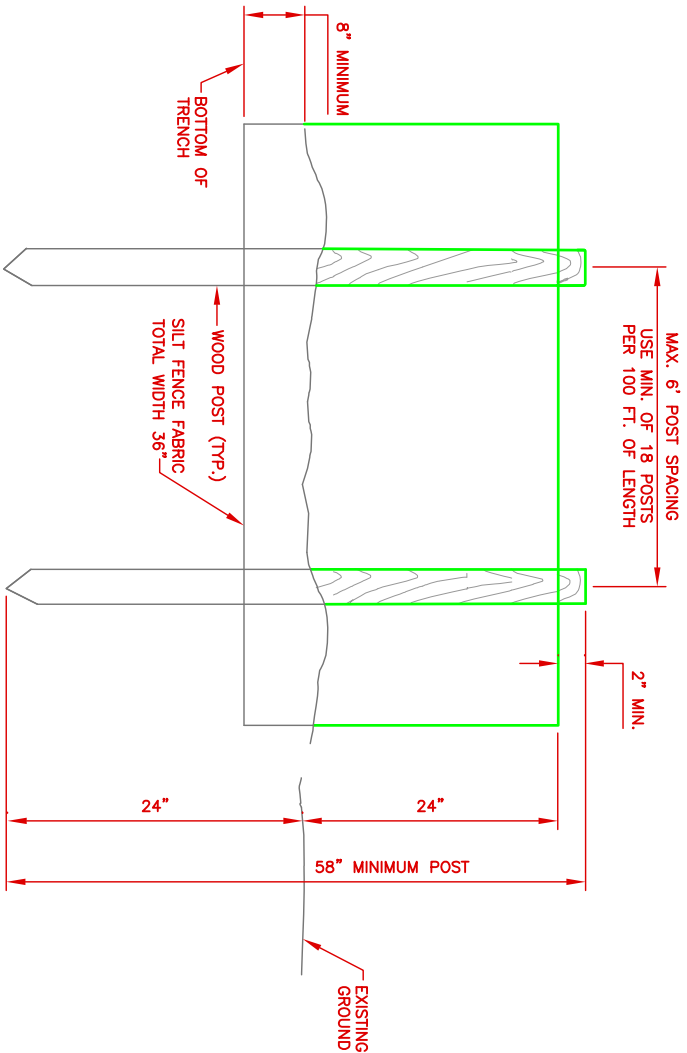
REV. –



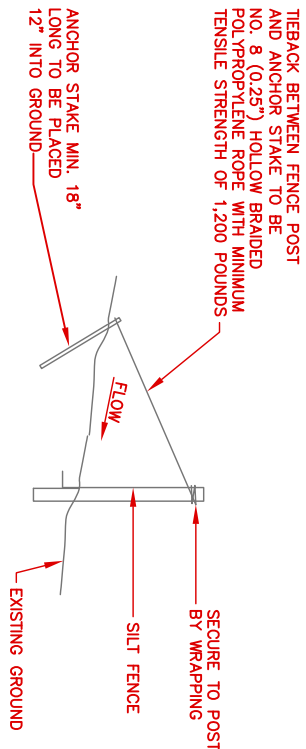
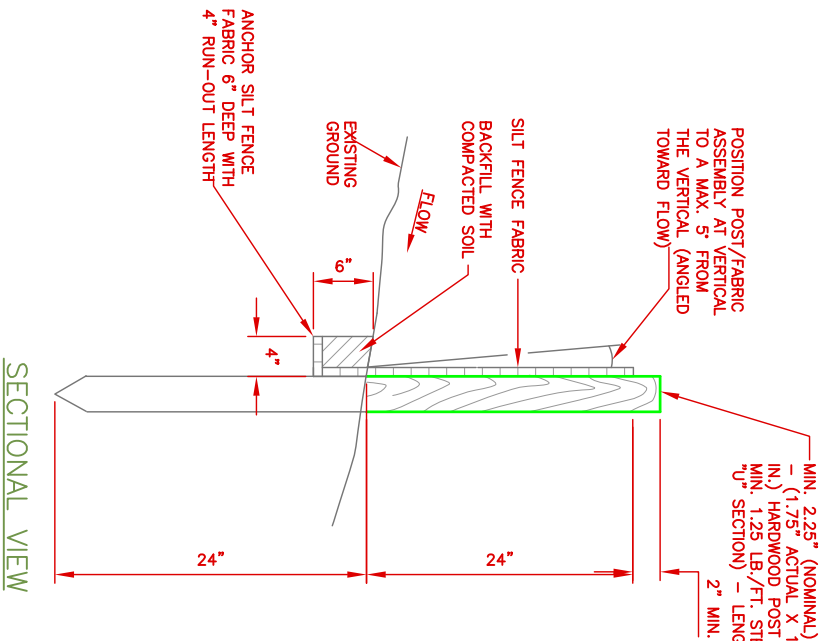
POROUS  
BAFFLE

NOT TO SCALE

7.33



ELEVATION VIEW



SILT FENCE TIEBACK  
FOR STEEL POSTS OR WOOD POSTS

(WHEN REQUIRED BY THE ENGINEER OR NOTED IN THE PLANS,  
COST TO BE INCLUDED IN THE ITEMS FOR SILT FENCE)

EROSION CONTROL PLAN LEGEND:



SILT FENCE

| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|------|------|-------------|-----------|
| -    | -    | -           | -         |
| -    | -    | -           | -         |
| -    | -    | -           | -         |
| -    | -    | -           | -         |

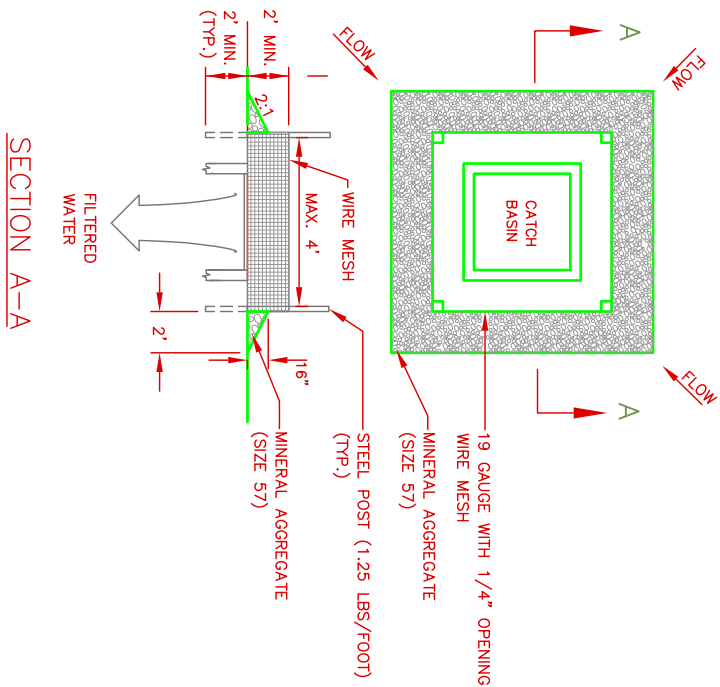
REV. -



SILT FENCE

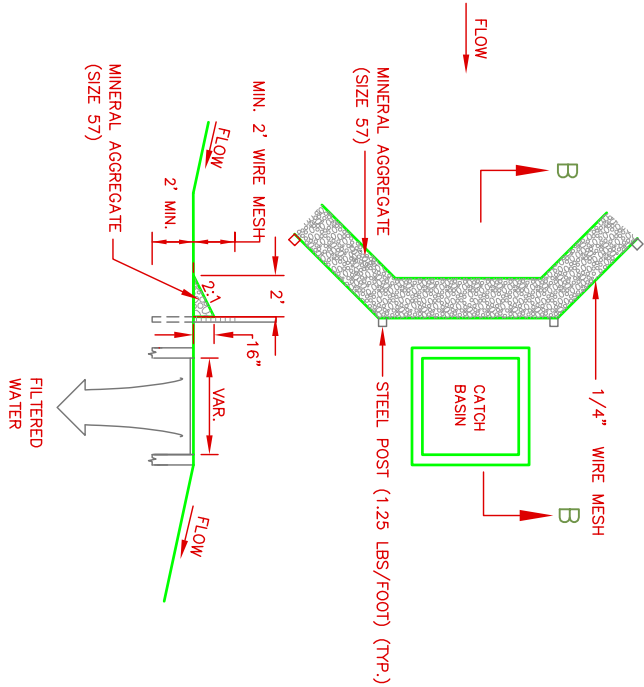
NOT TO SCALE

HARDWARE CLOTH AND  
GRAVEL INLET PROTECTION



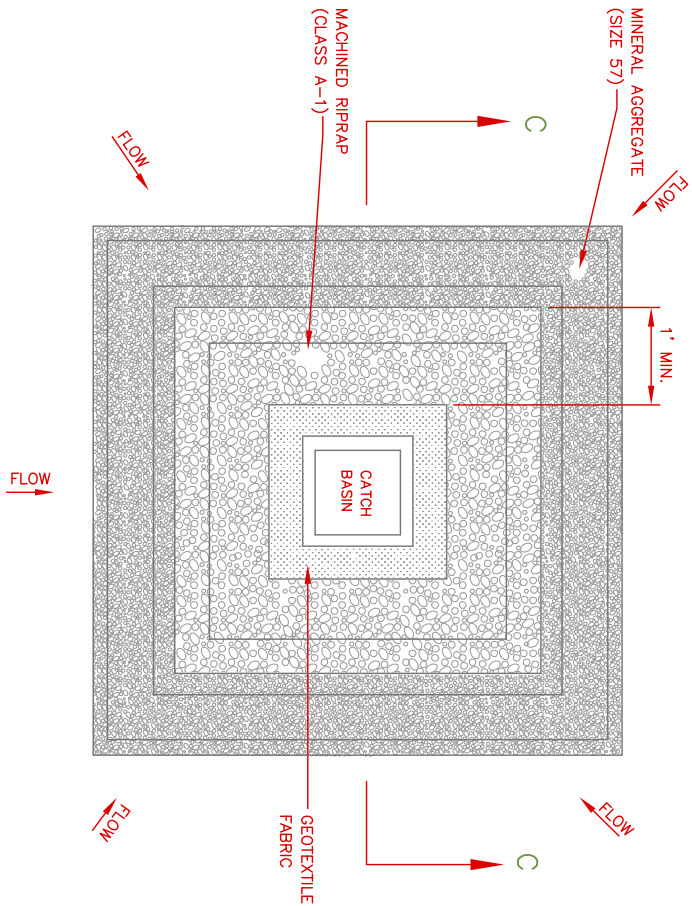
SECTION A-A

HARDWARE CLOTH AND GRAVEL INLET  
PROTECTION (FLOW FROM ONE SIDE)



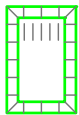
SECTION B-B

CATCH BASIN PROTECTION

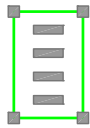


SECTION C-C

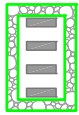
EROSION CONTROL PLAN LEGEND:



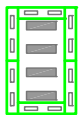
EXCAVATED INLET  
PROTECTION



HARDWARE CLOTH AND  
GRAVEL INLET PROTECTION



ROCK RING INLET  
PROTECTION



BLOCK AND GRAVEL INLET  
PROTECTION



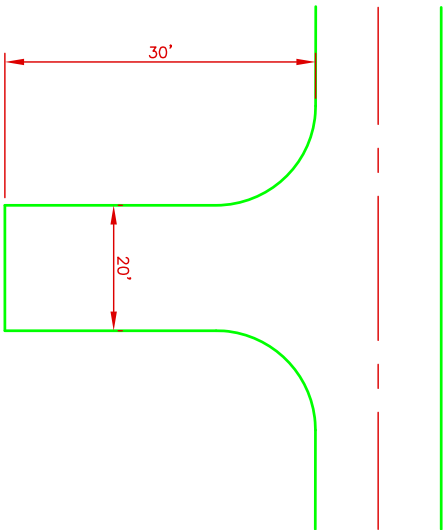
INLET  
PROTECTION

NOT TO SCALE

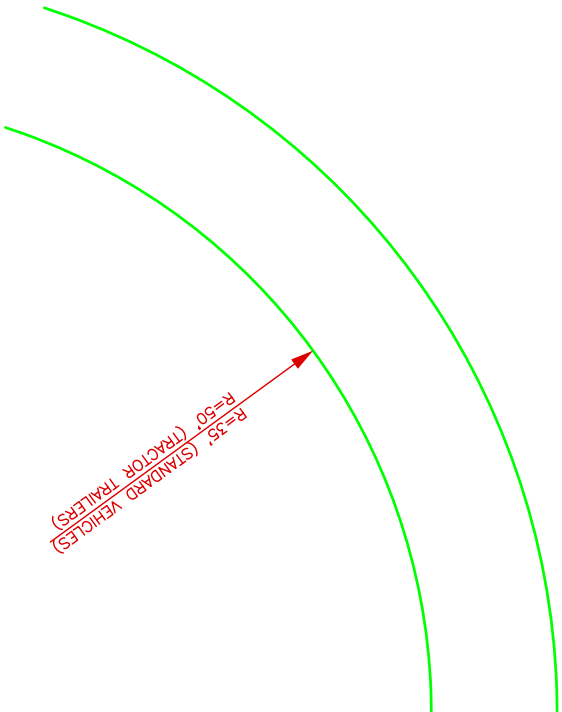
7.35

| REV. | NO. | DESCRIPTION    |
|------|-----|----------------|
| 1    | 1   | Initial Design |
| 2    | 2   | Revised Design |
| 3    | 3   | Final Design   |

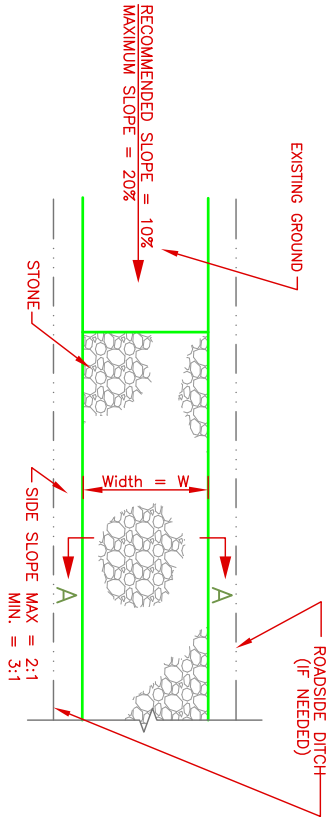
| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|------|------|-------------|-----------|
| -    | -    | -           | -         |
| -    | -    | -           | -         |
| -    | -    | -           | -         |



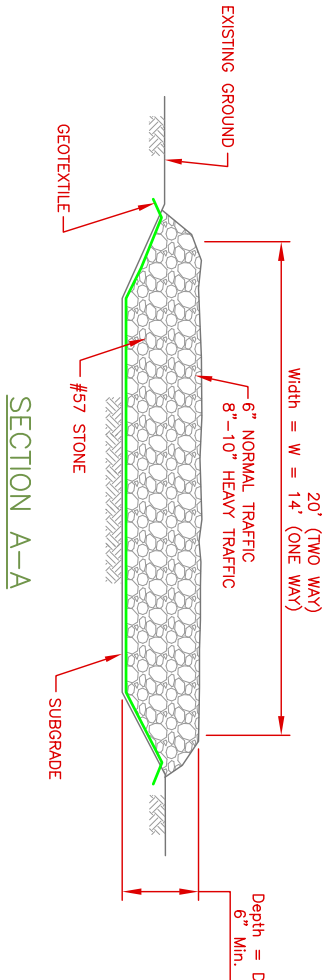
TURNOUTS



CURVES



PLAN VIEW



SECTION A-A

| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|------|------|-------------|-----------|
| -    | -    | -           | -         |
| -    | -    | -           | -         |
| -    | -    | -           | -         |
| -    | -    | -           | -         |

REV. -

EROSION CONTROL PLAN LEGEND:

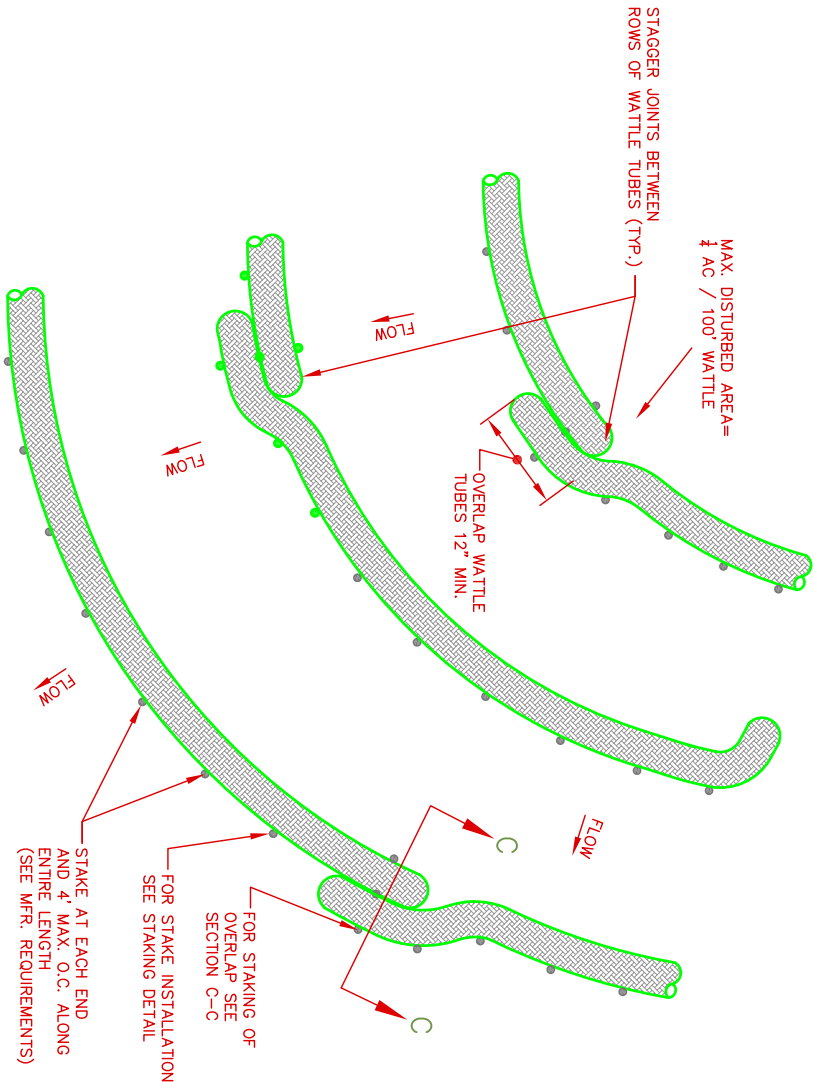
C R S

CONSTRUCTION ROAD STABILIZATION

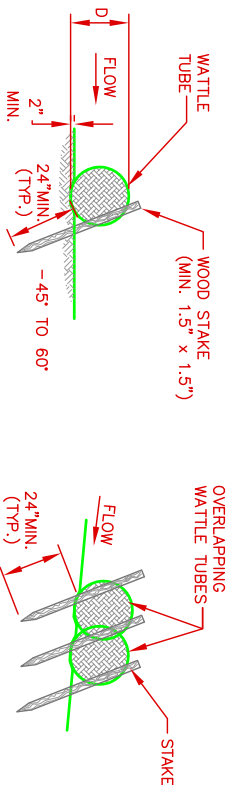
NOT TO SCALE



CONSTRUCTION  
ROAD  
STABILIZATION  
7.36

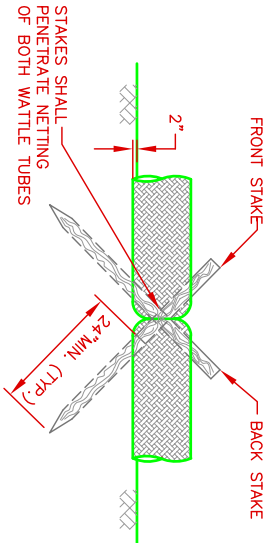


PLAN VIEW FOR SLOPE APPLICATION



STAKING DETAIL

SECTION C-C



JOINT STAKING DETAIL



| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|------|------|-------------|-----------|
| -    | -    | -           | -         |
| -    | -    | -           | -         |
| -    | -    | -           | -         |

REV. -



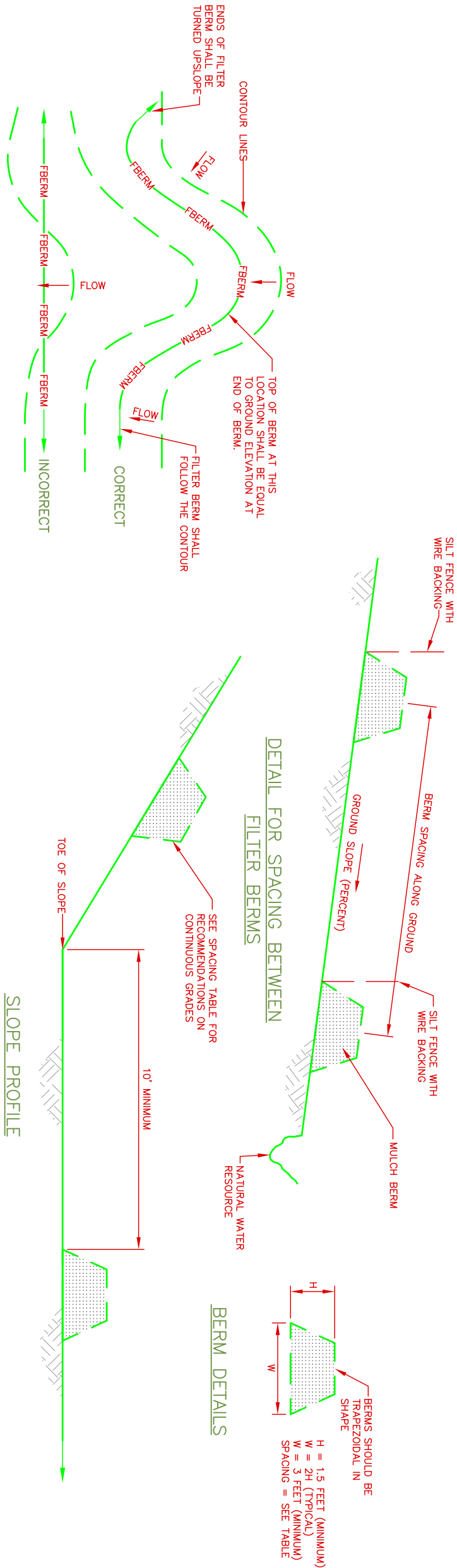
TUBES AND  
WATTLES

7.37

NOT TO SCALE

| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|------|------|-------------|-----------|
| -    | -    | -           | -         |
| -    | -    | -           | -         |
| -    | -    | -           | -         |
| -    | -    | -           | -         |

REV. -



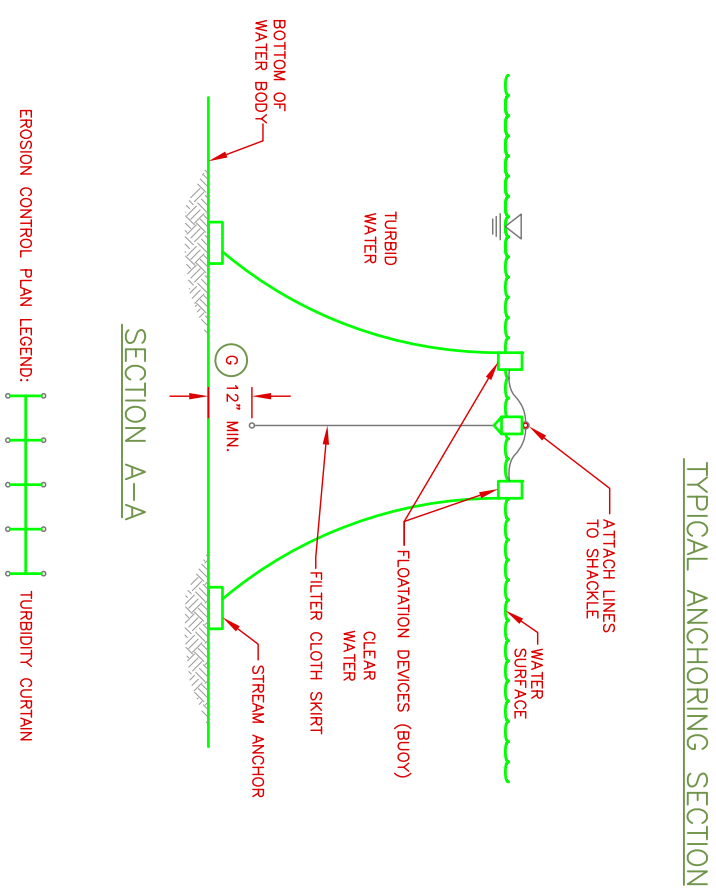
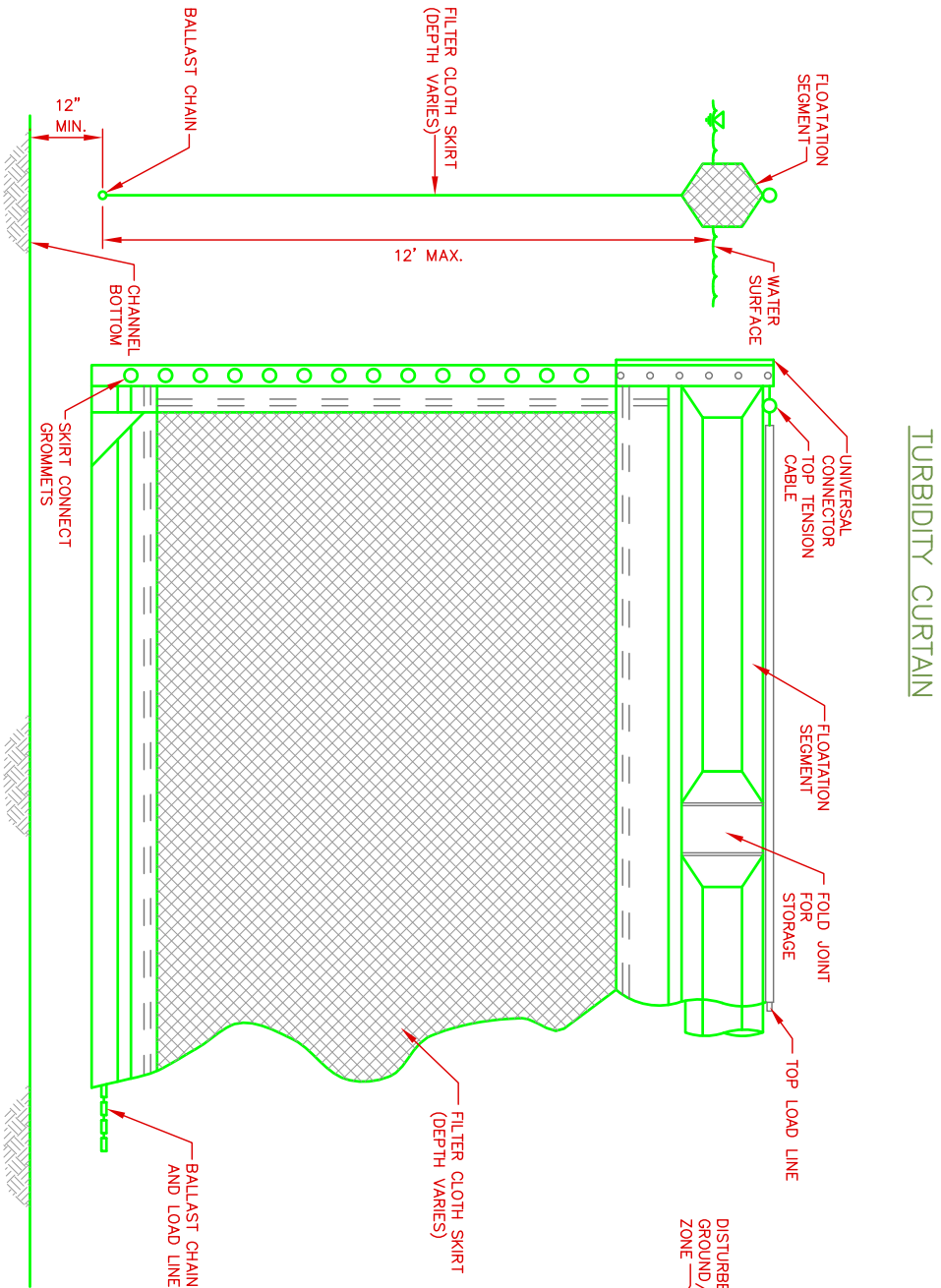
| FILTER BERM SPACING |   |
|---------------------|---|
| GROUND SLOPE (%)    | RECOMMENDED SPACING BETWEEN BERMS ALONG GROUND (FT) |
| <2                  | 110   |
| 2-5                 | 100   |
| 5-10                | 75  |
| 10-20               | 25  |
| >20                 | NOT ALLOWED   |

EROSION CONTROL PLAN LEGEND: FBERM FBERM

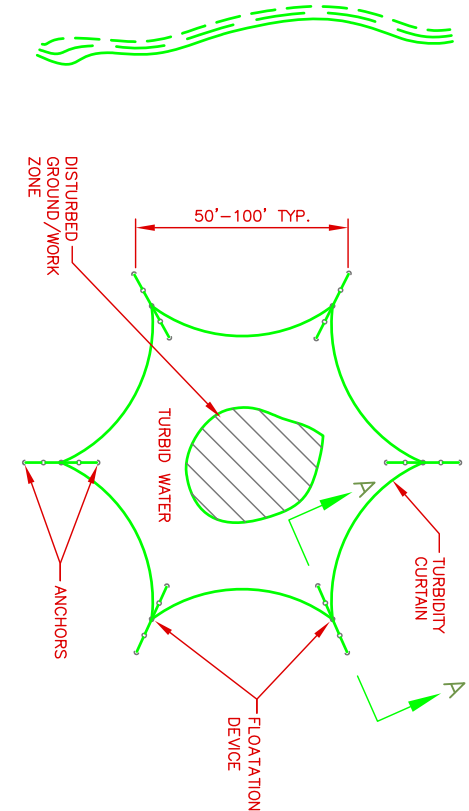
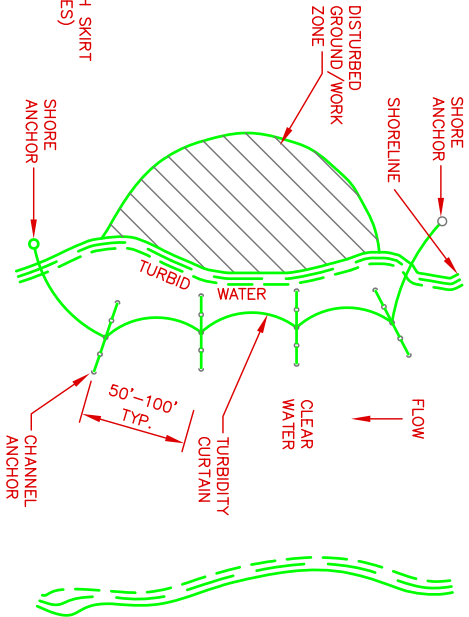
NOT TO SCALE







EROSION CONTROL PLAN LEGEND: TURBIDITY CURTAIN



| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|------|------|-------------|-----------|
| -    | -    | -           | -         |
| -    | -    | -           | -         |
| -    | -    | -           | -         |
| -    | -    | -           | -         |

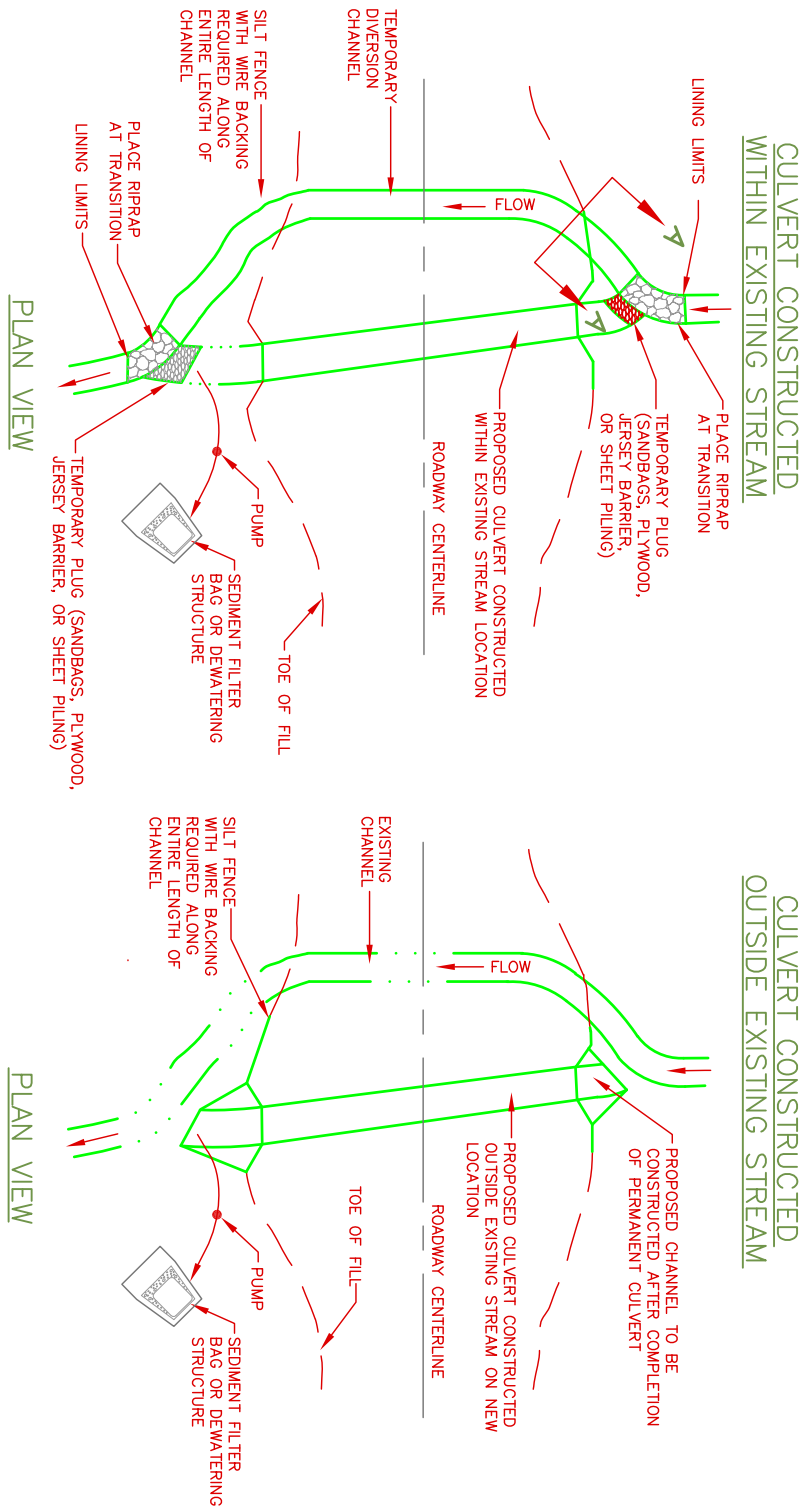
REV. -

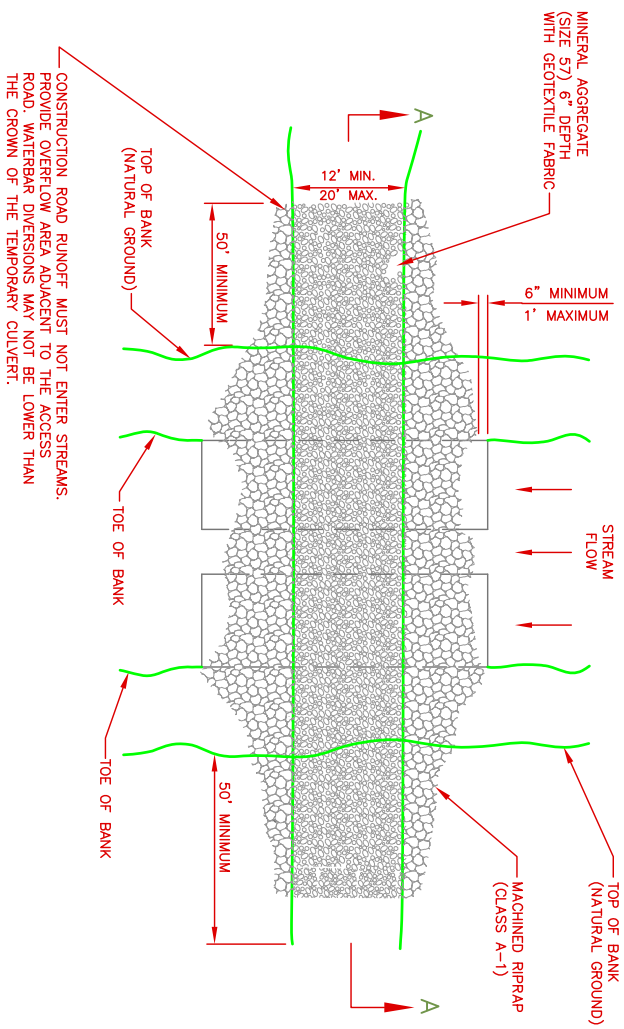


TURBIDITY CURTAIN

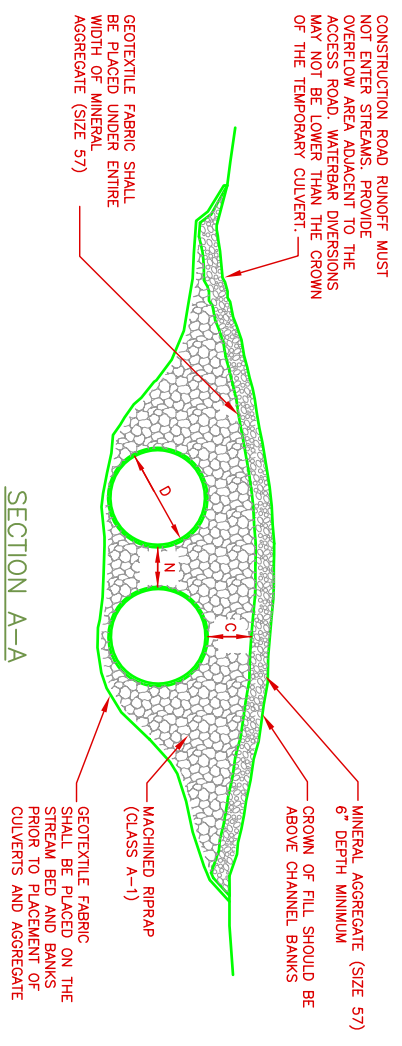
NOT TO SCALE

7.39





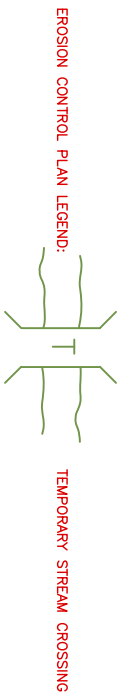
PLAN VIEW OF TEMPORARY CULVERT CROSSING



| TEMPORARY STREAM CROSSINGSELECTION |                       |       |       |       |       |       |  |  |  |
|------------------------------------|-----------------------|-------|-------|-------|-------|-------|--|--|--|
| PIPE DIAMETER<br>(INCHES)          | AVERAGE CHANNEL SLOPE |       |       |       |       |       |  |  |  |
|                                    | 0.5%                  | 1.0%  | 1.5%  | 2.0%  | 2.5%  | 3.0%  |  |  |  |
| 18                                 | 8.5                   | 9.1   | 9.8   | 10.4  | 11.0  | 11.3  |  |  |  |
| 24                                 | 17.4                  | 18.8  | 20.0  | 21.4  | 21.5  | 21.7  |  |  |  |
| 30                                 | 30.1                  | 32.3  | 33.9  | 34.1  | 33.5  | 33.0  |  |  |  |
| 36                                 | 46.8                  | 50.4  | 49.5  | 47.8  | 46.6  | 45.8  |  |  |  |
| 42                                 | 67.7                  | 69.0  | 65.5  | 62.8  | 61.0  | 59.6  |  |  |  |
| 48                                 | 92.6                  | 88.1  | 76.8  | 78.6  | 75.8  | 73.7  |  |  |  |
| 54                                 | 127.2                 | 107.0 | 91.9  | 94.9  | 91.1  | 88.1  |  |  |  |
| 60                                 | 146.5                 | 121.1 | 118.4 | 111.1 | 106.1 | 101.9 |  |  |  |
| 72                                 | 194.9                 | 142.2 | 153.6 | 141.3 | 133.3 | 127.9 |  |  |  |
| RIPRAP                             | B                     | B     | B     | B     | B/C   | B/C   |  |  |  |

| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|------|------|-------------|-----------|
| -    | -    | -           | -         |
| -    | -    | -           | -         |
| -    | -    | -           | -         |
| -    | -    | -           | -         |

REV. -



NOT TO SCALE



TEMPORARY  
STREAM  
CROSSING