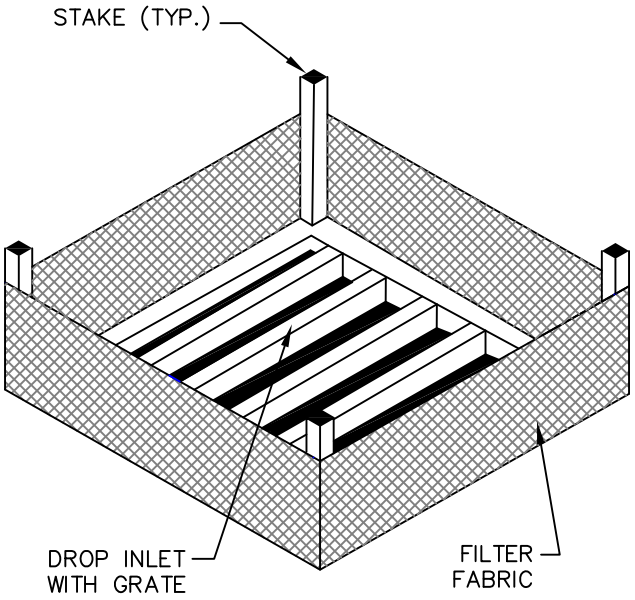
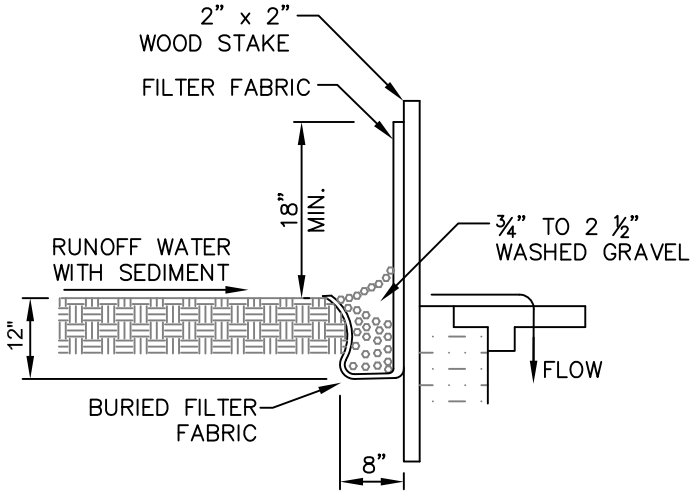
SECTION C

EROSION AND SEDIMENT CONTROL PLAN DETAILS

DETAIL	HEADING
1.0	Inlet Fabric Fence Filter
2.0	Inlet Block & Gravel Filter - Schematic
3.0	Temporary Sediment Control Inlet Gravel & Wire Mesh Filter
4.0	Construction Entrance Rock Pad
5.0	Sediment Pond - Example
5.1	Sediment Pond Cross-Section
5.2	Riser Detail
6.0	Permanent Sediment Trap for Presettling Basin - Schematic
7.0	Placement of Temporary Sedimentation Pond Baffles - Schematic
8.0	Filter Fabric Fence Detail
9.0	Typical Erosion Control Practices for SFR
10.0	*reserved for future use*
11.0	Brush Barrier - Schematic
12.0	Gravel Filter Berm
13.0	Sandbag Berm
14.0	Triangular Sediment Dikes
15.0	Pipe Slope Drains
16.0	Erosion Control Blankets - Schematic
17.0	Temporary Interceptor Dikes & Swales - Schematic
18.0	Temporary Gravel Outlet Structure
19.0	Rock Check Dams
20.0	ESC Structural Practices - Schematic
21.0	Sediment Trap
22.0	Sediment Trap Outlet





NOTES:

1. ALL FILTER FABRIC SHALL BE MIRAFI 140NS OR EQUAL
2. EQUIVALENT TO STORM DRAIN INLET PROTECTION WSDOT STD. PLAN I-40.20-00

GIG HARBOR
"THE MARITIME CITY"

ENGINEERING DIVISION

INLET FABRIC FENCE FILTER

SECTION C
DETAIL N.T.S.
1.0

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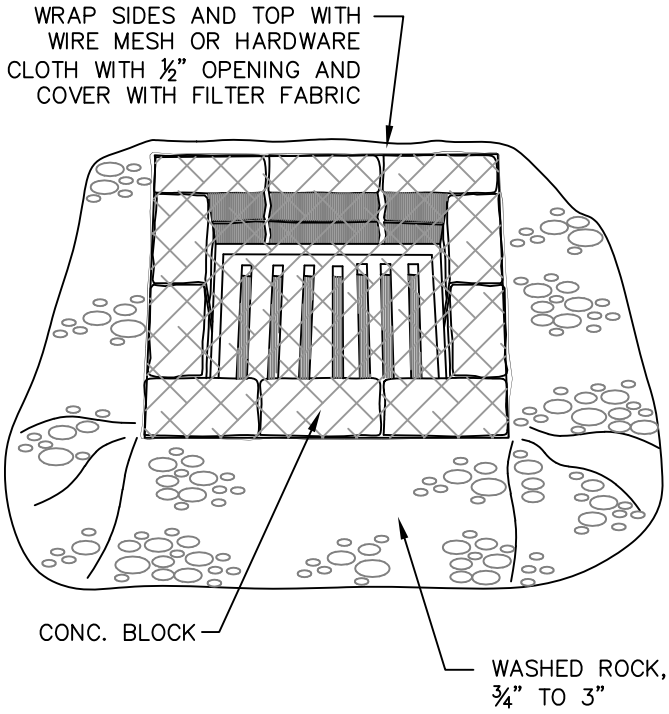

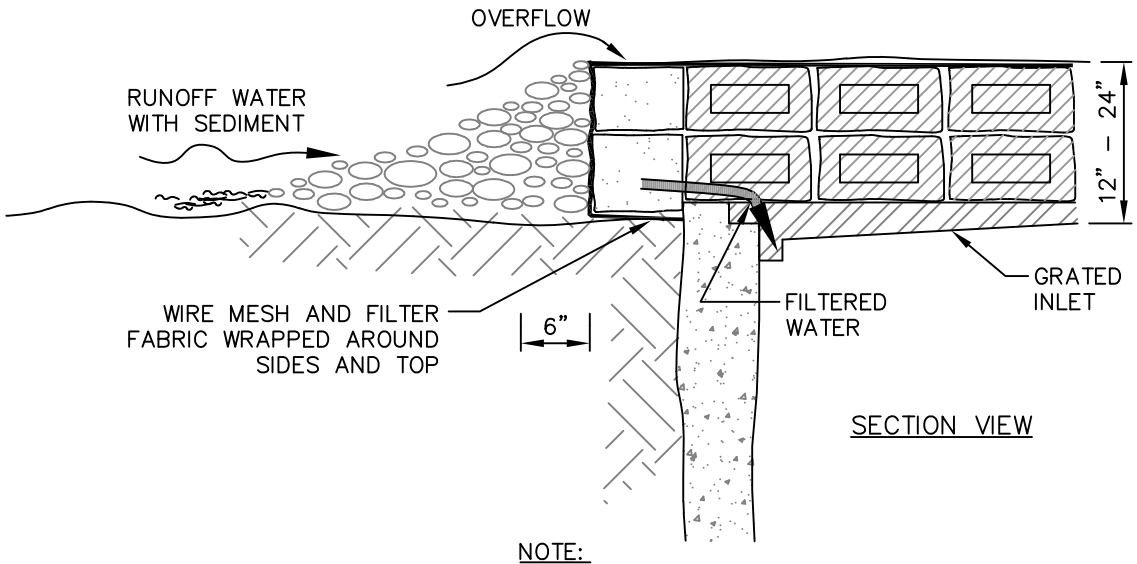

SECTION VIEW

NOTE:

EQUIVALENT TO STORM DRAIN INLET PROTECTION
WSDOT STD. PLAN 1–40.20–00

GIG HARBOR
"THE MARITIME CITY"

ENGINEERING DIVISION

INLET BLOCK AND GRAVEL FILTER SCHEMATIC

SECTION C
DETAIL N.T.S.
2.0

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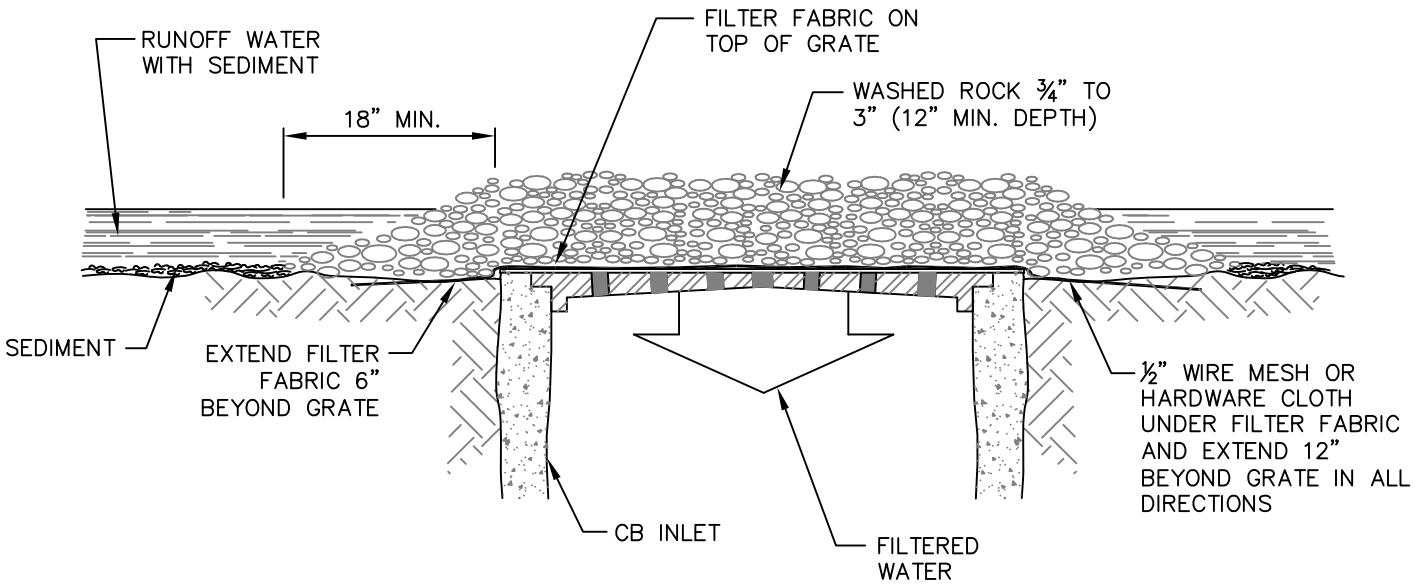

NOTES:

1. EQUIVALENT TO WSDOT STD PLANS I–40.20–00 STORM DRAIN INLET PROTECTION

GIG HARBOR "THE MARITIME CITY"

ENGINEERING DIVISION

TEMPORARY SEDIMENT CONTROL INLET GRAVEL AND WIRE MESH FILTER

SECTION C
DETAIL N.T.S.
3.0

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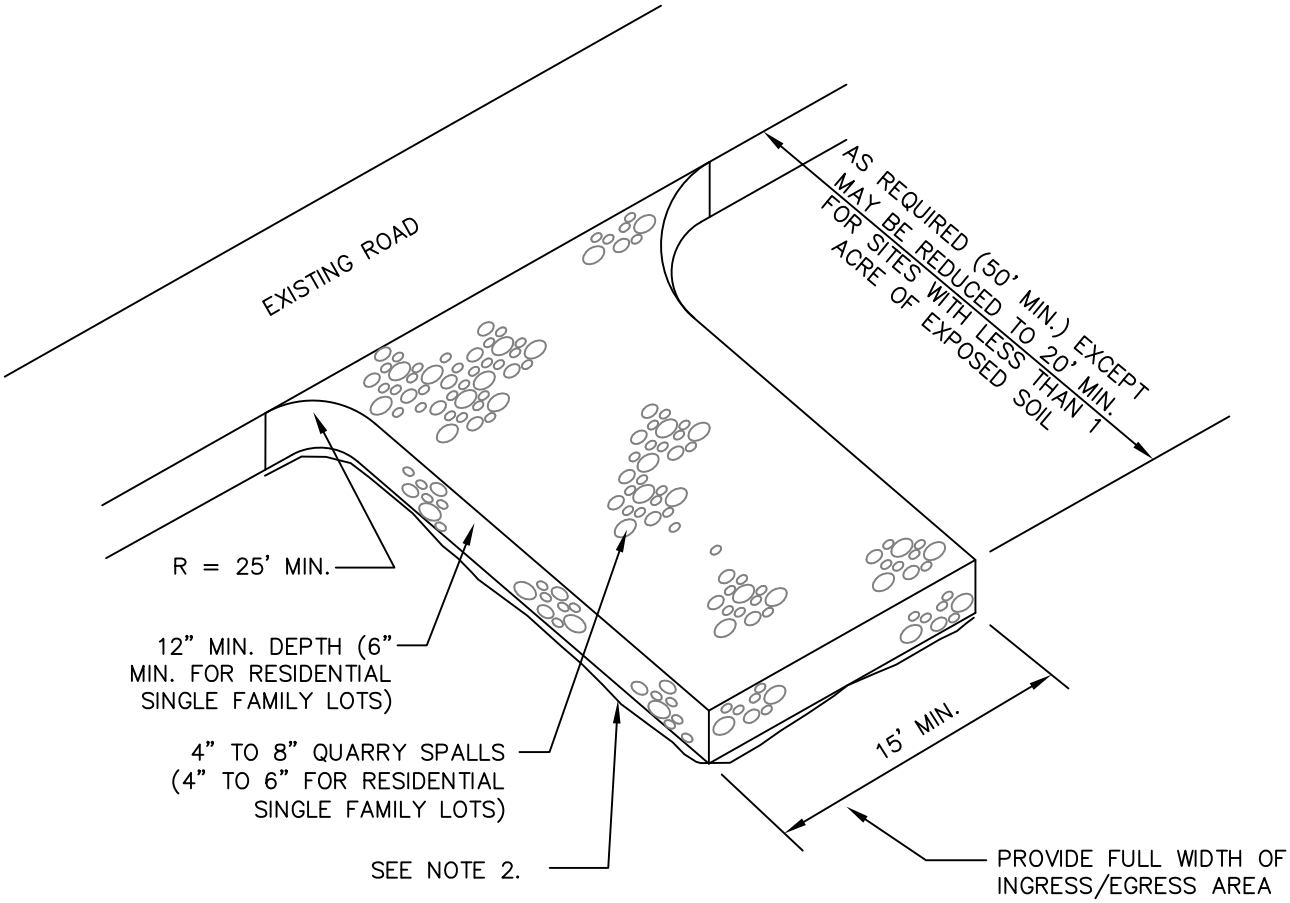


NOTES:

1. EQUIVALENT TO WSDOT STD. PLANS I–80.10–02 STABILIZED CONST. ENTRANCE
2. CONSTRUCTION GEOTEXTILE FOR SOIL STABILIZATION PER WSDT STD. SPEC. SECTION 9–33

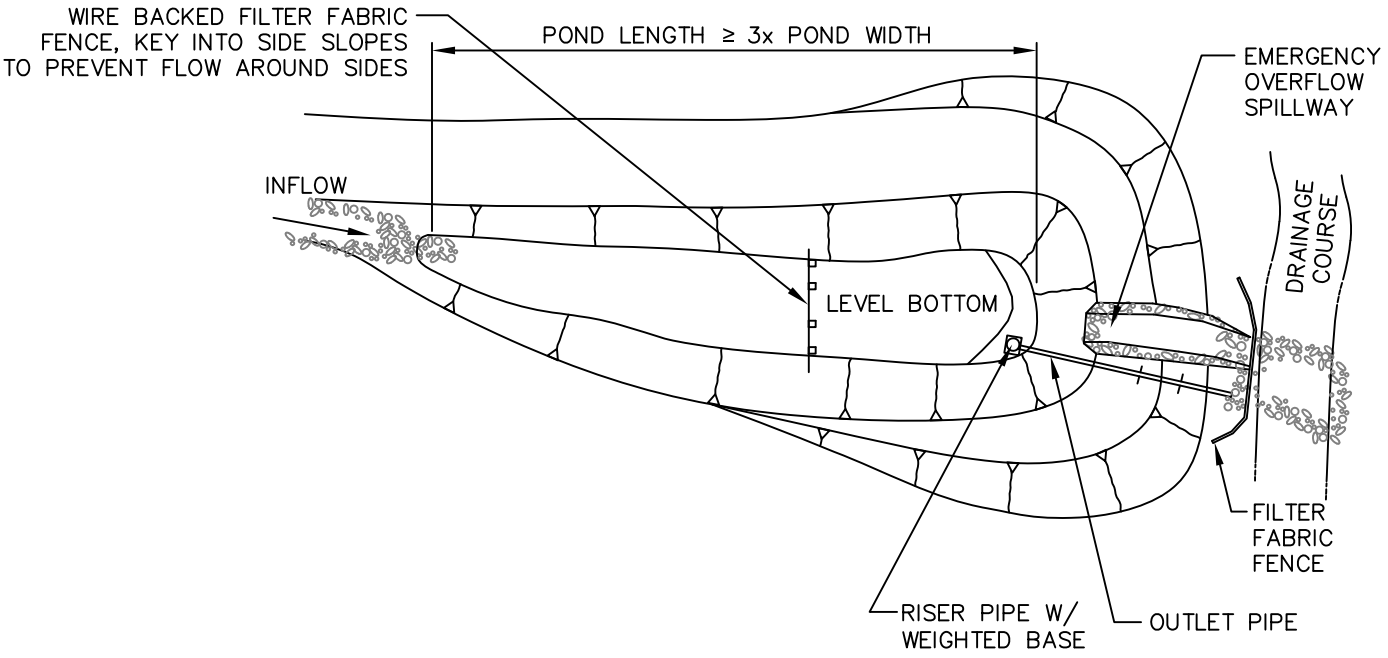
GIG HARBOR "THE MARITIME CITY"

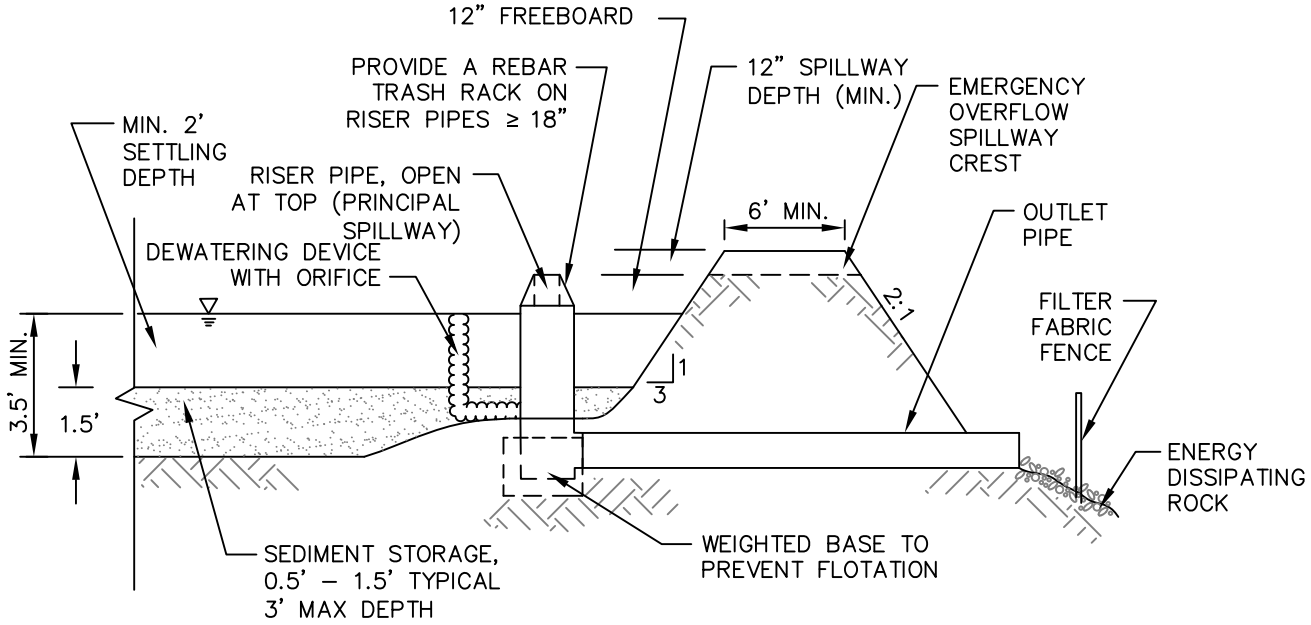
ENGINEERING DIVISION

CONSTRUCTION ENTRANCE ROCK PAD

SECTION C
DETAIL N.T.S.
4.0

APPROVED BY CITY ENGINEER _____ DATE 3/28/23





SECTION THROUGH OUTLET

NOTES:
1. SIZE ORIFICE AND SURFACE AREA TO BMP C241 PER VOL. II OF CURRENT GHSMSDM

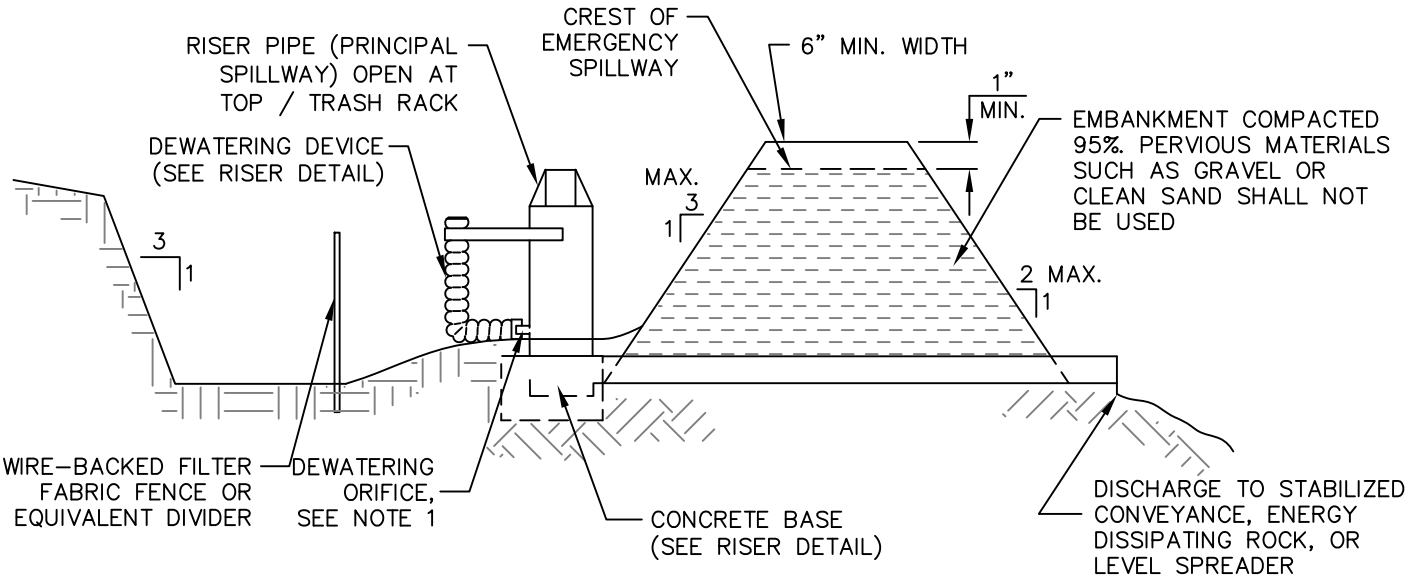
GIG HARBOR
"THE MARITIME CITY"

ENGINEERING DIVISION

SEDIMENT POND

SECTION C
DETAIL N.T.S.
5.0

APPROVED BY CITY ENGINEER _____ DATE 3/28/23



NOTES:

1. SIZE ORIFICE AND POND SURFACE AREA TO BMP C241 PER VOL. II OF CURRENT GHSMSDM

GIG HARBOR "THE MARITIME CITY"

ENGINEERING DIVISION

SEDIMENT POND CROSS-SECTION

SECTION C
DETAIL N.T.S.
5.1

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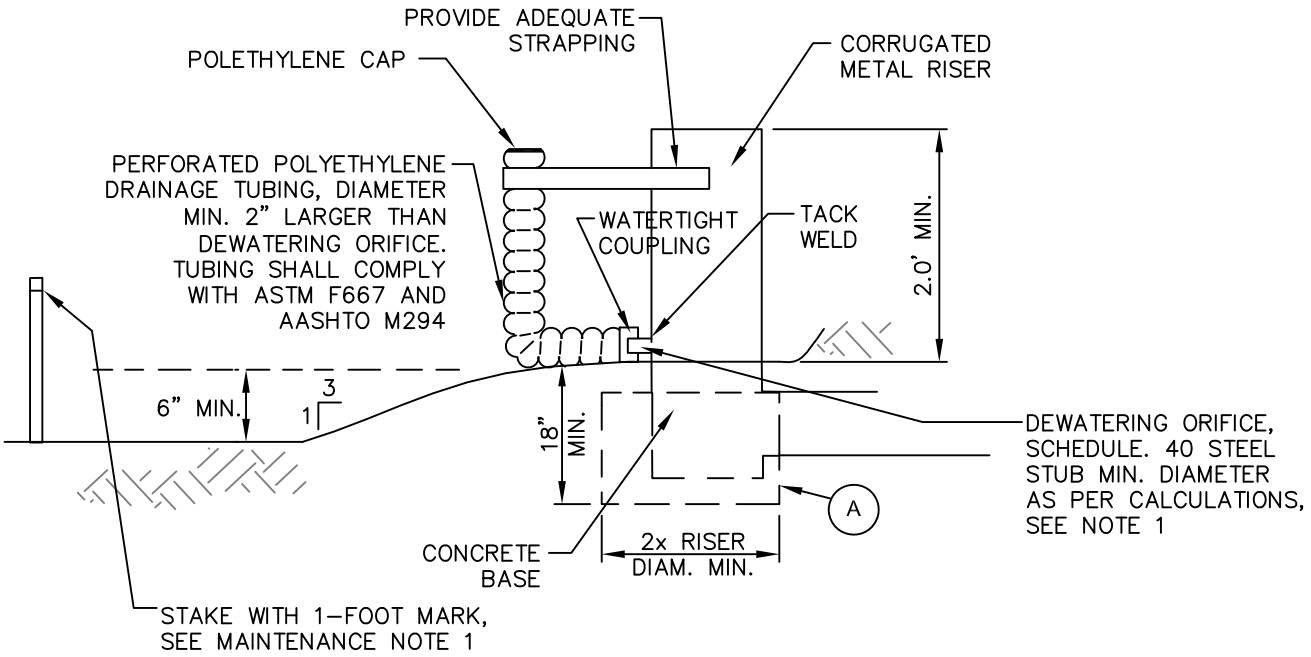

(A) ALTERNATIVELY, METAL STAKES AND WIRE MAY BE USED TO PREVENT FLOTATION

NOTES:

1. SIZE ORIFICE PER BMP C241 OF VOLUME II OF CURRENT GHSMSDM

MAINTENANCE STANDARDS:

1. SEDIMENT SHALL BE REMOVED FROM THE POND WHEN IT REACHES 1' IN DEPTH.
2. ANY DAMAGE TO THE POND EMBANKMENTS OR SLOPES SHALL BE REPAIRED.

GIG HARBOR "THE MARITIME CITY"

ENGINEERING DIVISION

SEDIMENT POND RISER

SECTION C
DETAIL N.T.S.
5.2

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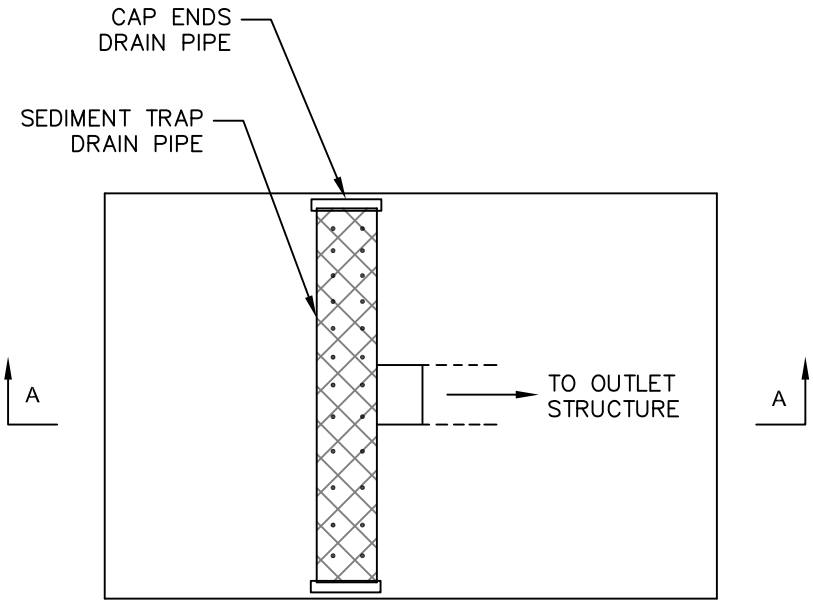
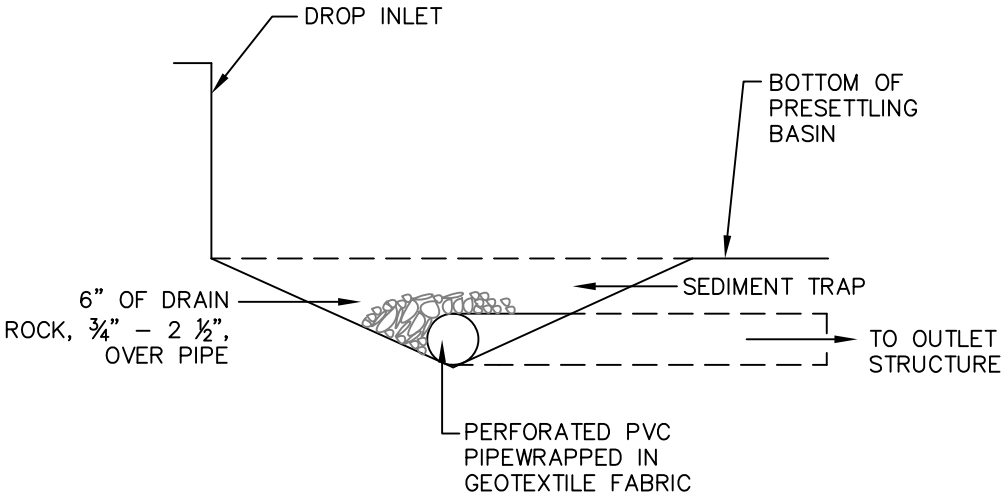


PLAN VIEW
(GRAVEL NOT SHOWN)



SECTION A–A

GIG HARBOR
"THE MARITIME CITY"

ENGINEERING DIVISION

PERMANENT SEDIMENT TRAP FOR PRESETTLING BASIN

SECTION C
DETAIL N.T.S.
6.0

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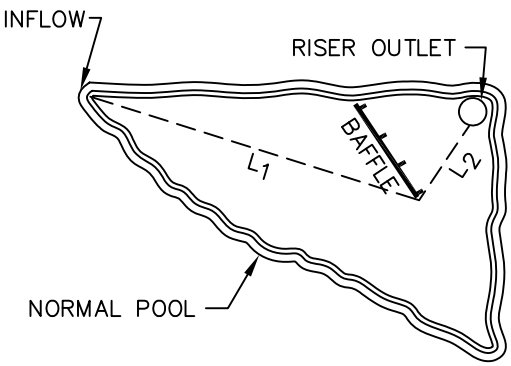
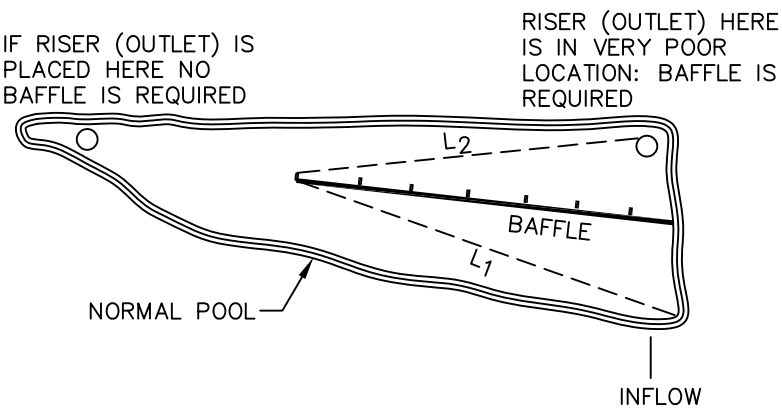
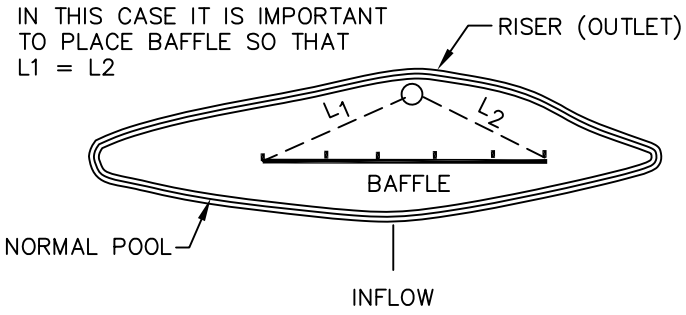
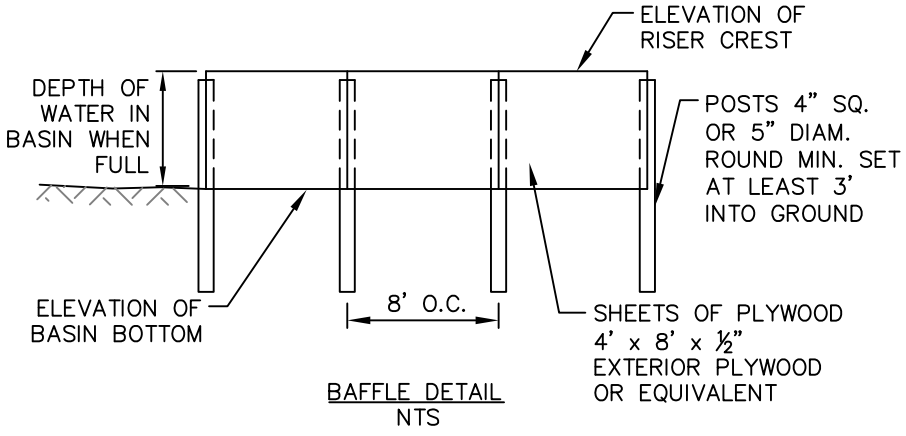
CITY ENGINEER _____ DATE 3/28/23









BAFFLE DETAIL
NTS

GIG HARBOR
"THE MARITIME CITY"

ENGINEERING DIVISION

TEMPORARY SEDIMENTATION POND BAFFLES

SECTION C
DETAIL N.T.S.
7.0

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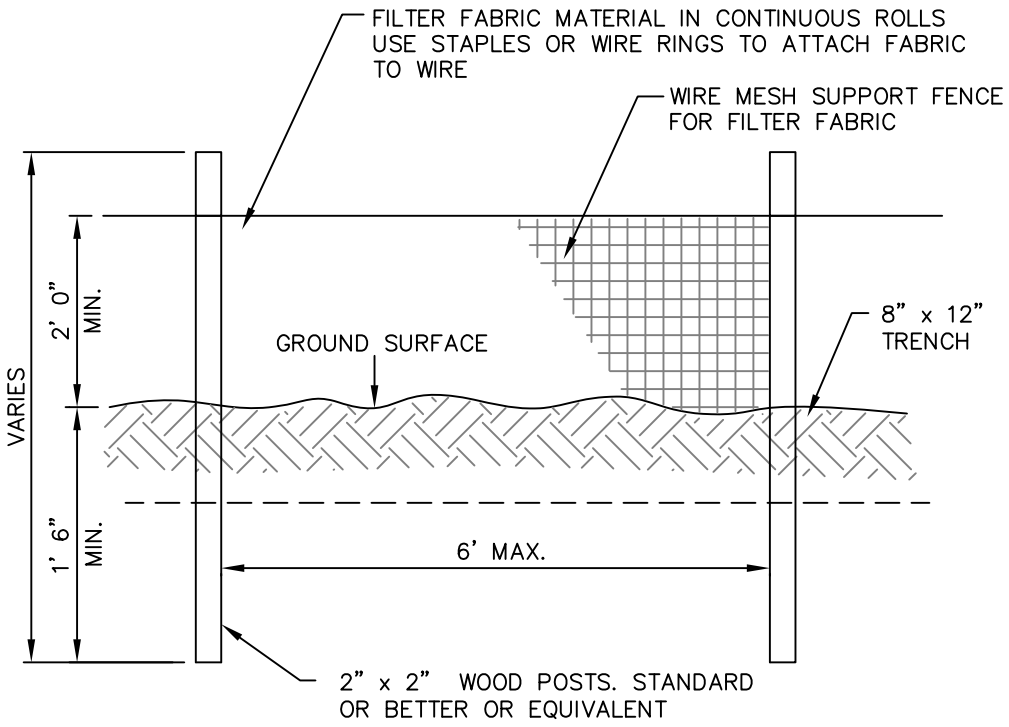
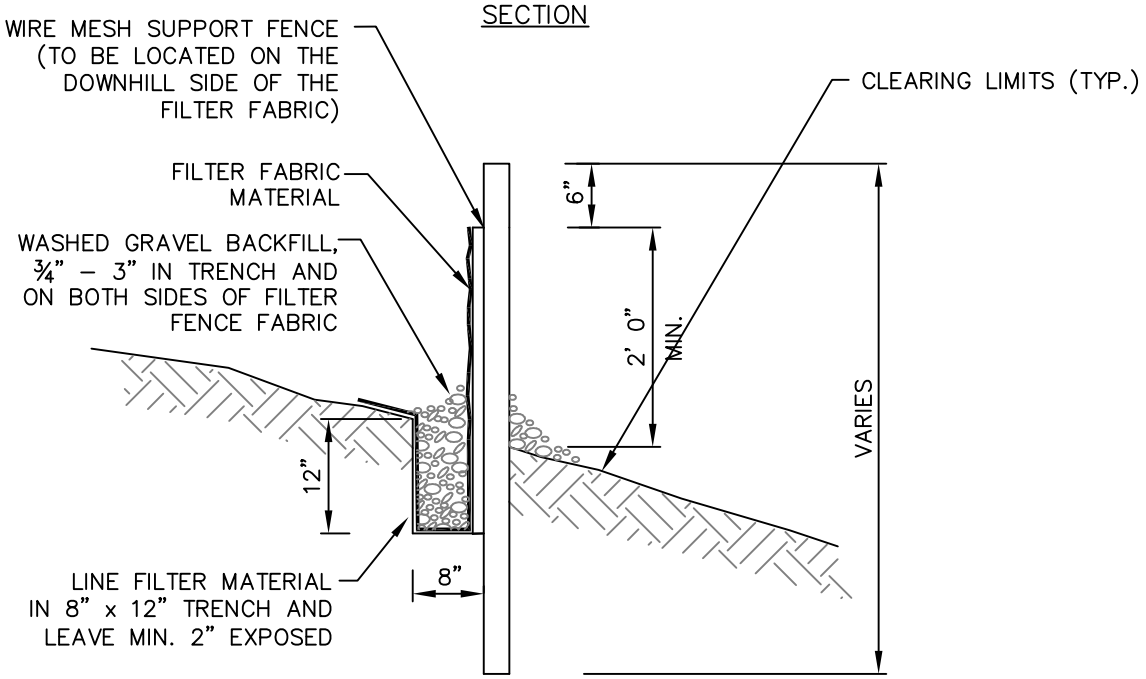


SECTION



SECTION

NOTES:
EQUIVALENT TO WSDOT STD. PLAN
I–30.10–02, I–30.15–02, I–30.16–01,
AND I–30.17–01

GIG HARBOR
"THE MARITIME CITY"

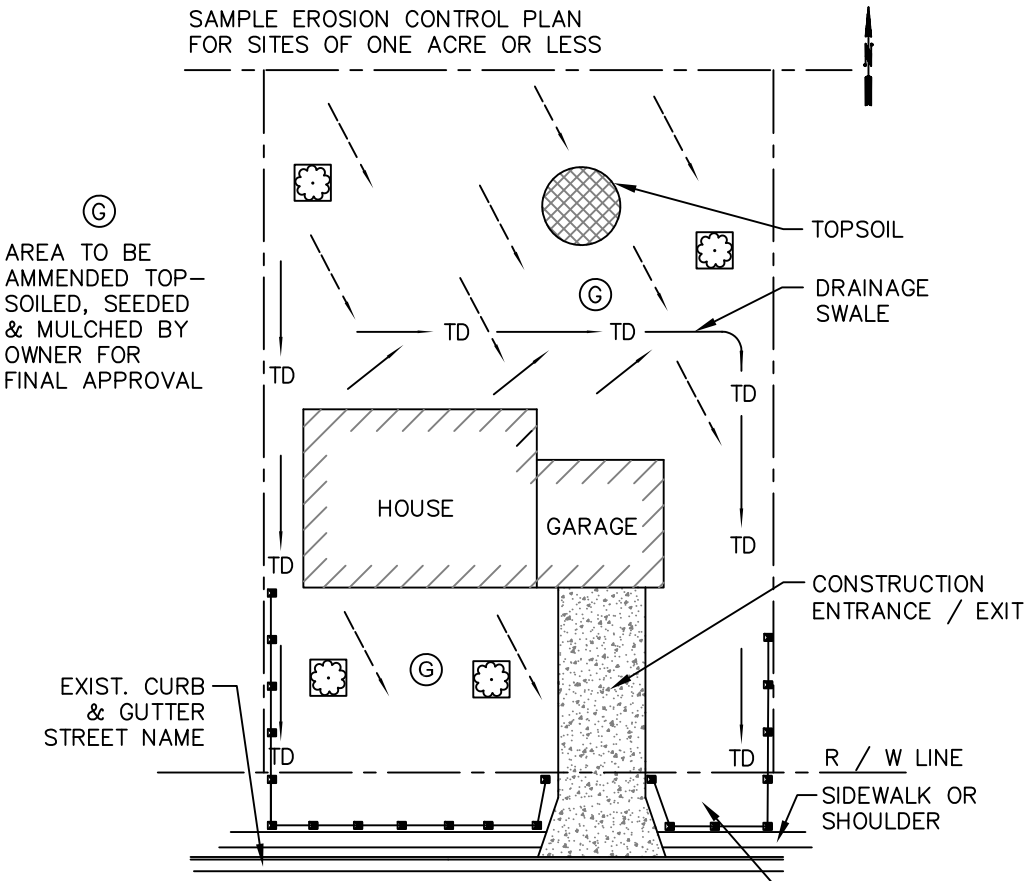
ENGINEERING DIVISION

FILTER FABRIC FENCE

SECTION C
DETAIL N.T.S.
8.0

APPROVED BY
CITY ENGINEER _____ DATE 3/28/23

SAMPLE EROSION CONTROL PLAN
FOR SITES OF ONE ACRE OR LESS



NOTES:
1. CALL 811 BEFORE YOU DIG FOR UTILITY LOCATES
2. DISCHARGE TEMP. SWALES TO EX. DRAINAGE PATHS

EROSION CONTROL PLAN LEGEND

- EXISTING DRAINAGE
- PROPERTY LINE
- TD — TEMPORARY DIVERSION
- LIMITS OF GRADING
- SILT FENCE
- GRAVEL
- G — VEGETATION SPECIFICATION AREA
- TREE PRESERVATION
- STOCKPILED TOPSOIL

PROJECT LOCATION:	
PROPERTY OWNER:	
CONTRACTOR:	
PREPARED BY:	DATE:

GIG HARBOR "THE MARITIME CITY"

ENGINEERING DIVISION

EROSION CONTROL PRACTICES FOR SINGLE FAMILY RESIDENCES

SECTION C
DETAIL N.T.S.
9.0

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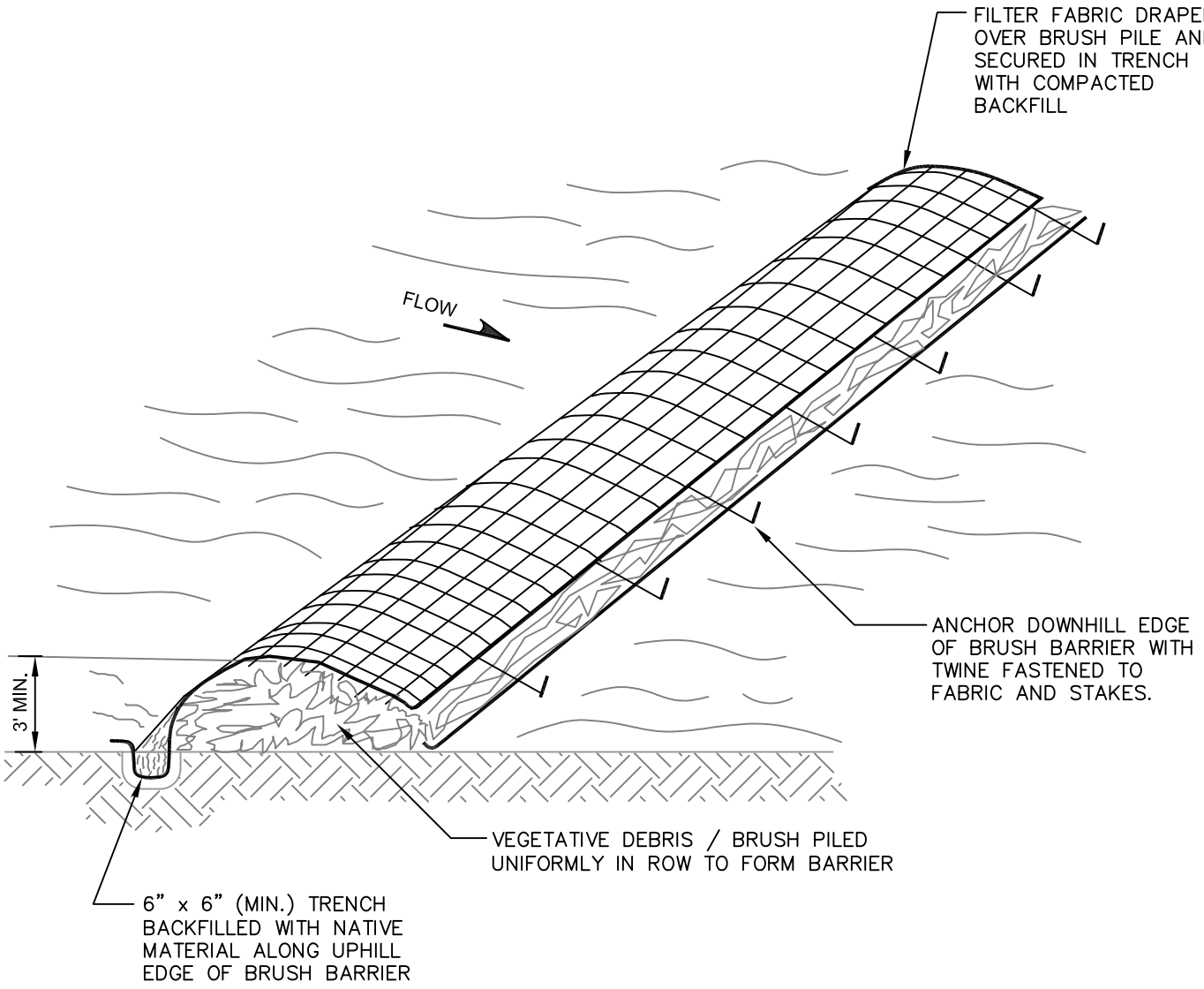


NOTES:

1. NOT FOR CONCENTRATED FLOW
2. FILTER FABRIC OR 10 OZ. BURLAP MAY BE ANCHORED OVER BRUSH BERM TO INCREASE FILTRATION

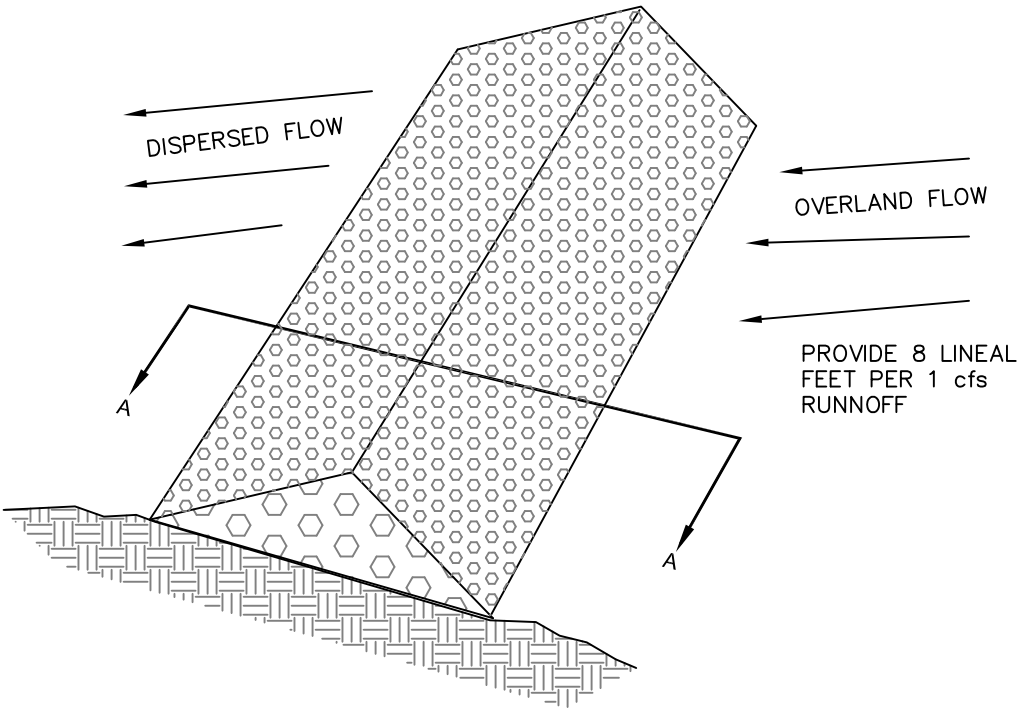
GIG HARBOR "THE MARITIME CITY"

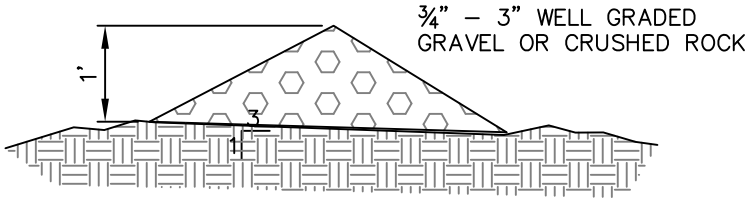
ENGINEERING DIVISION

BRUSH BARRIER

SECTION C
DETAIL N.T.S.
11.0

APPROVED BY CITY ENGINEER _____ DATE 3/28/23





CROSS SECTION OF GRAVEL FILTER BERM

NOTES:

1. MAX. DRAINAGE AREA TO BERM IS 5 ACRES.
2. COARSE COMPOST PER WSDOT STD. PLAN I–80.10–02 IS EQUIVALENT

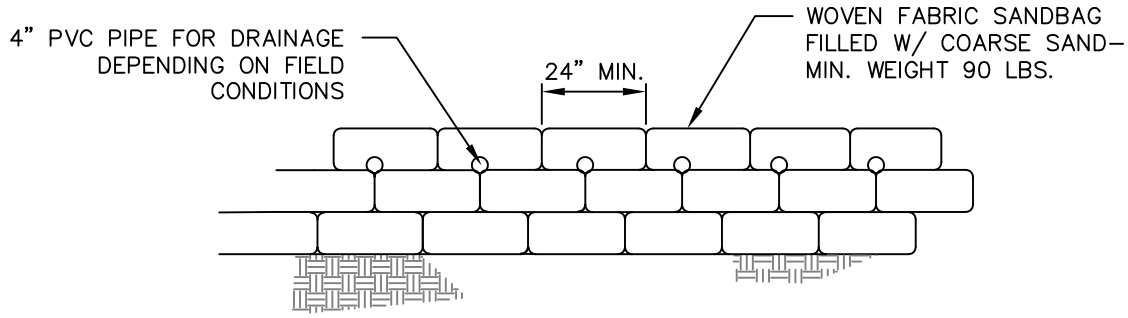
GIG HARBOR "THE MARITIME CITY"

ENGINEERING DIVISION

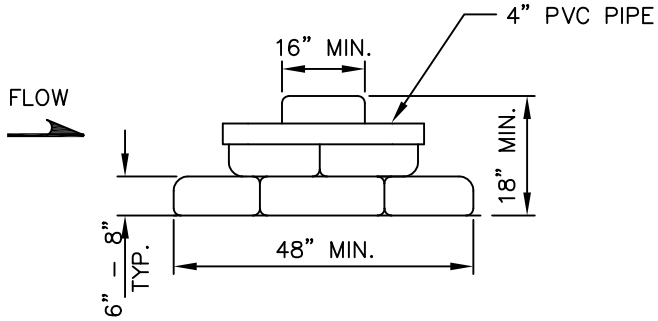
GRAVEL FILTER BERM

SECTION C
DETAIL N.T.S.
12.0

APPROVED BY CITY ENGINEER _____ DATE 3/28/23



FRONT VIEW



CROSS SECTION

NOTES:

1. WHEN SANDBAG IS FILLED WITH COARSE GRADE SAND MATERIAL, THE OPEN END SHOULD BE STAPLED OR TIED WITH NYLON OR POLY CORD. THE WEIGH SHALL BE 90 – 125 LBS.

2. SANDBAGS SHOULD BE STACKED IN AT LEAST THREE VERTICAL ROWS ABUTTING EACH OTHER, AND IN STAGGERED ARRANGEMENT. (REFER TO FRONT VIEW).

3. THE BASE OF THE BERM SHOULD BE AT LEAST 3 SANDBAGS DEEP AND CAN BE REDUCED TO 2 AND 1 BAG IN THE SECOND AND THIRD ROWS RESPECTIVELY. (REFER TO CROSS SECTION).

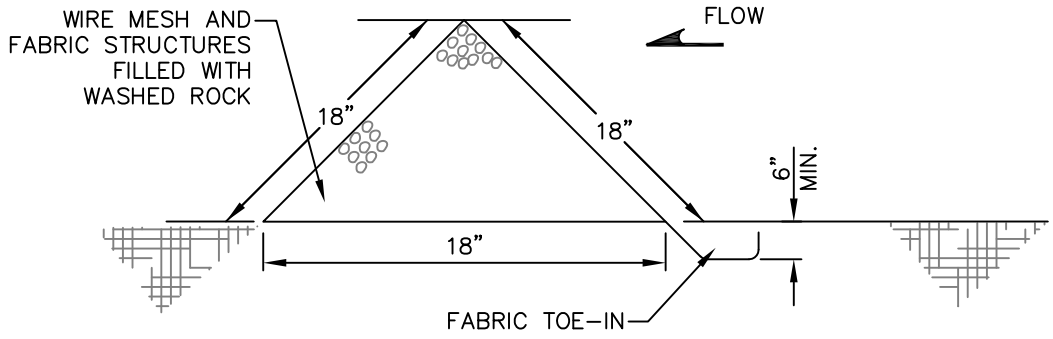
GIG HARBOR
THE MARITIME CITY

ENGINEERING DIVISION

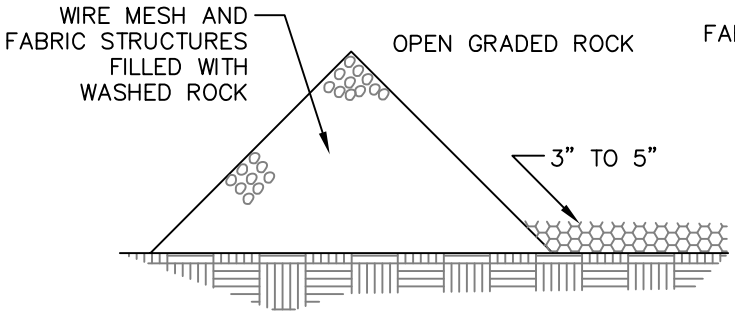
SANDBAG BERM

SECTION C
DETAIL N.T.S.
13.0

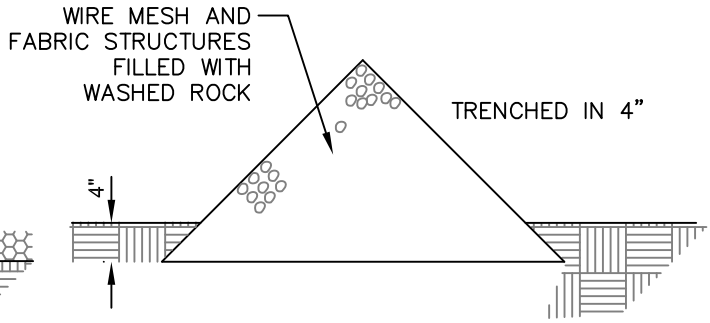
APPROVED BY
CITY ENGINEER _____ DATE 3/28/23



OPTION 1



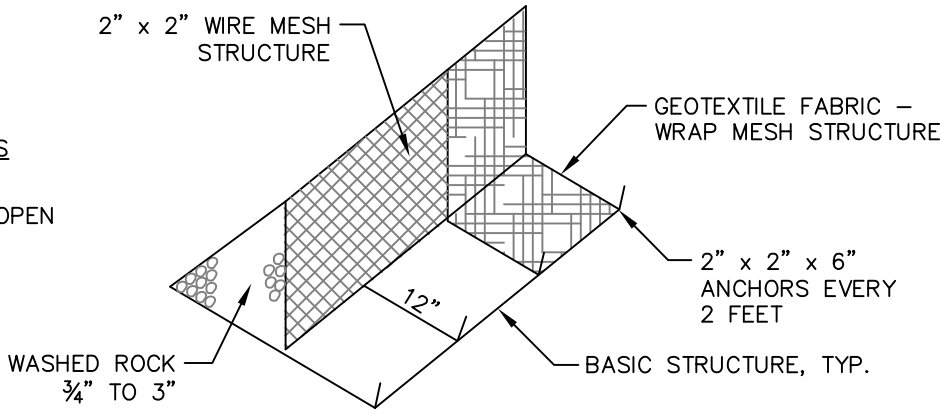
OPTION 2



OPTION 3

INSTALLATION DETAIL OPTIONS

1) TOE–IN 6" MIN.
2) WEIGHTED WITH 3"–5" OPEN GRATED ROCK
3) TRENCHED IN 4"



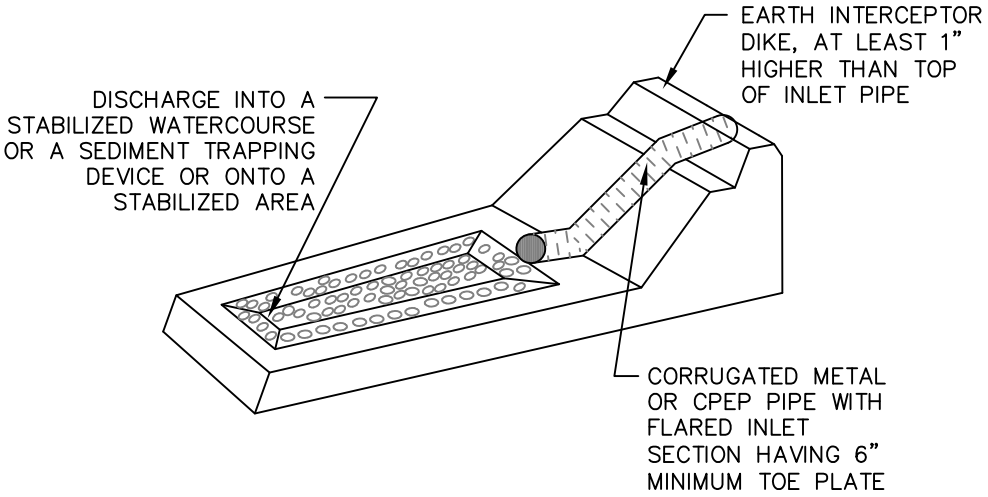
GIG HARBOR
"THE MARITIME CITY"

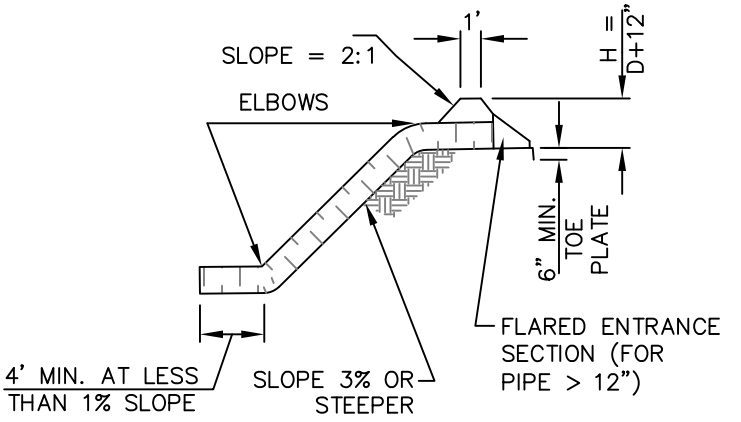
ENGINEERING DIVISION

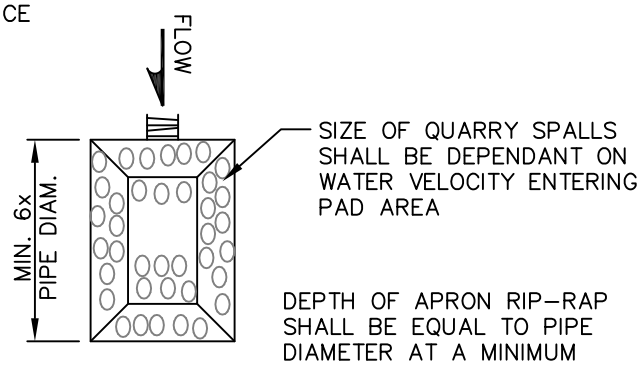
TRIANGULAR SEDIMENT FILTER DIKE

SECTION C
DETAIL N.T.S.
14.0

APPROVED BY
CITY ENGINEER _____ DATE 3/28/23







NOTE:
D= NOMINAL PIPE DIAM.

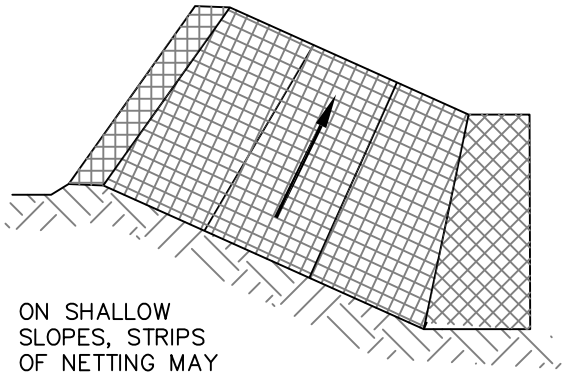
GIG HARBOR
"THE MARITIME CITY"

ENGINEERING DIVISION

PIPE SLOPE DRAINS

SECTION C
DETAIL N.T.S.
15.0

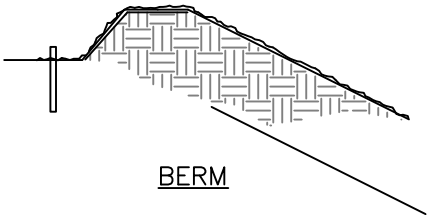
APPROVED BY CITY ENGINEER _____ DATE 3/28/23



ON SHALLOW SLOPES, STRIPS OF NETTING MAY BE APPLIED ACROSS THE SLOPE (SLOPES UP TO 1:1)

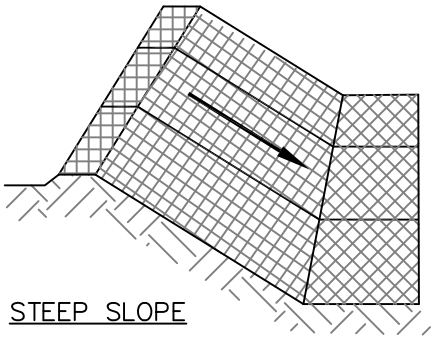
SHALLOW SLOPE

WHERE THERE IS A BERM AT THE TOP OF THE SLOPE, BRING THE NETTING OVER THE BERM AND ANCHOR IT BEHIND THE BERM LINE.



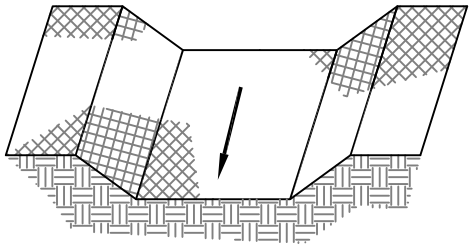
BERM

BRING NETTING DOWN TO A LEVEL AREA BEFORE TERMINATING THE INSTALLATION. TURN THE END UNDER 6" AND STAPLE AT 12" INTERVALS.



STEEP SLOPE

ON STEEP SLOPES, APPLY STRIPS OF NETTING PARALLEL TO THE DIRECTION OF FLOW AND ANCHOR SECURELY.



SHALLOW SLOPE

IN DITCHES, APPLY NETTING PARALLEL TO THE DIRECTION OF FLOW. USE CHECK SLOTS EVERY 15'. DO NOT JOIN STRIPS IN THE CENTER OF THE DITCH.

GIG HARBOR "THE MARITIME CITY"

ENGINEERING DIVISION

EROSION CONTROL BLANKETS

SECTION C
DETAIL N.T.S.
16.0

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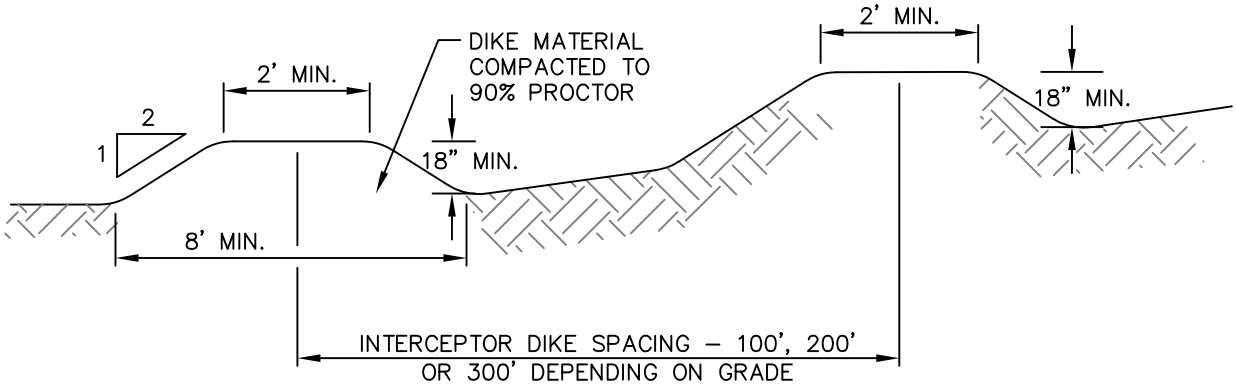
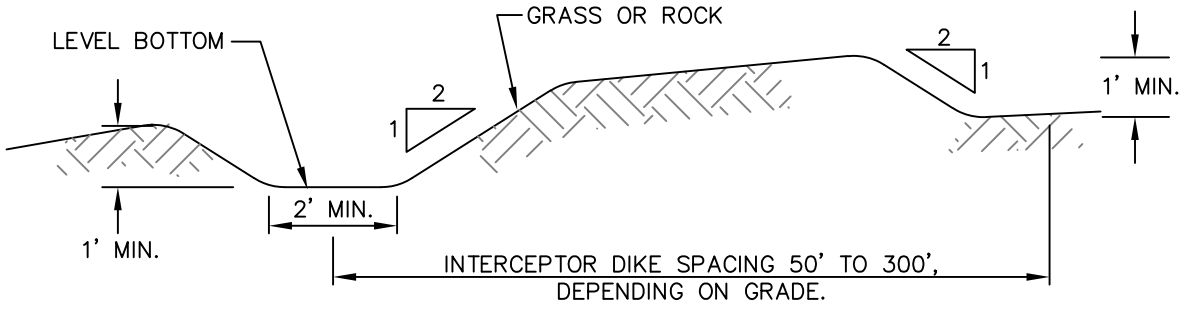


(A) INTERCEPTOR DIKES

SECTION



(B) INTERCEPTOR SWALE

SECTION

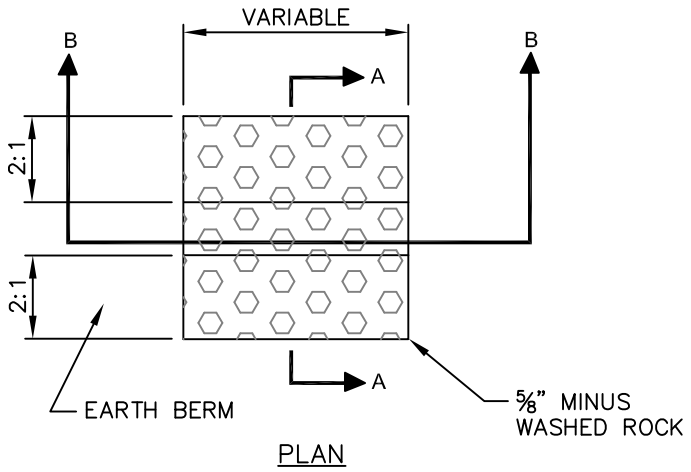
GIG HARBOR
"THE MARITIME CITY"

ENGINEERING DIVISION

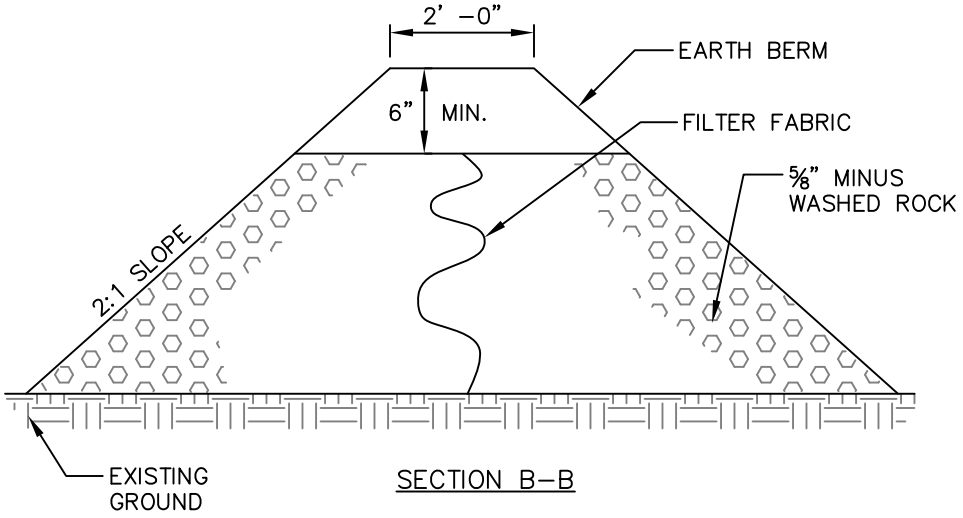
TEMPORARY INTERCEPTOR DIKES AND SWALES

SECTION C
DETAIL N.T.S.
17.0

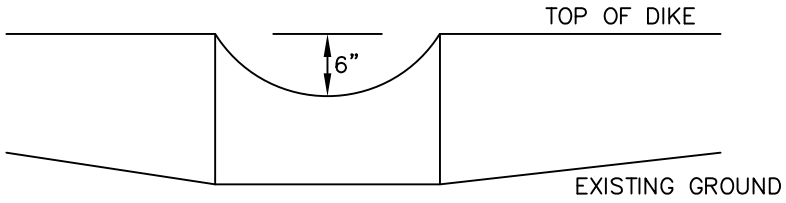
APPROVED BY
CITY ENGINEER _____ DATE 3/28/23



PLAN



SECTION B-B



SECTION A-A

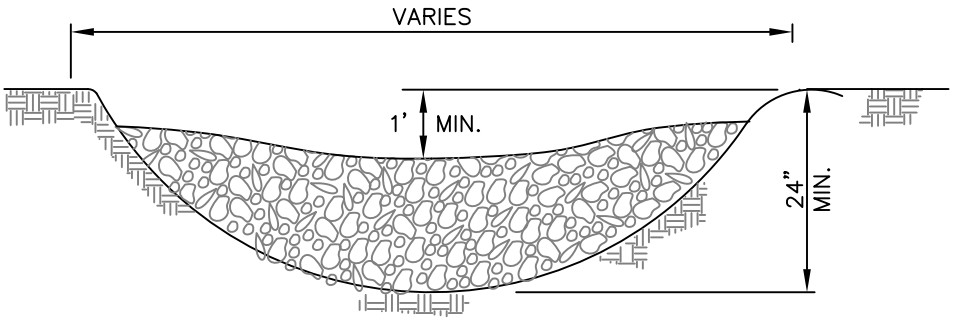
GIG HARBOR
THE MARITIME CITY

ENGINEERING DIVISION

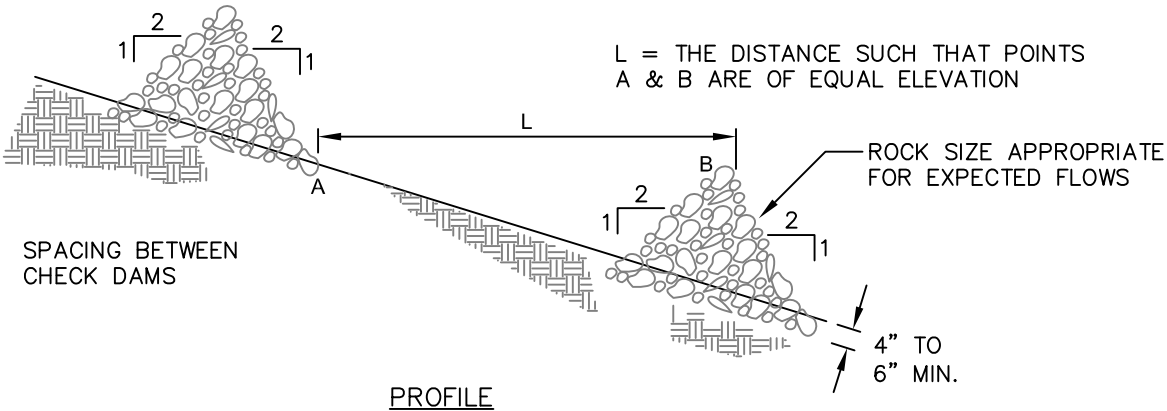
TEMPORARY GRAVEL OUTLET STRUCTURE

SECTION C
DETAIL N.T.S.
18.0

APPROVED BY
CITY ENGINEER _____ DATE 3/28/23



SECTION



PROFILE

NOTES:
EQUIVALENT TO WSDOT STD.
PLAN I-50.20-02

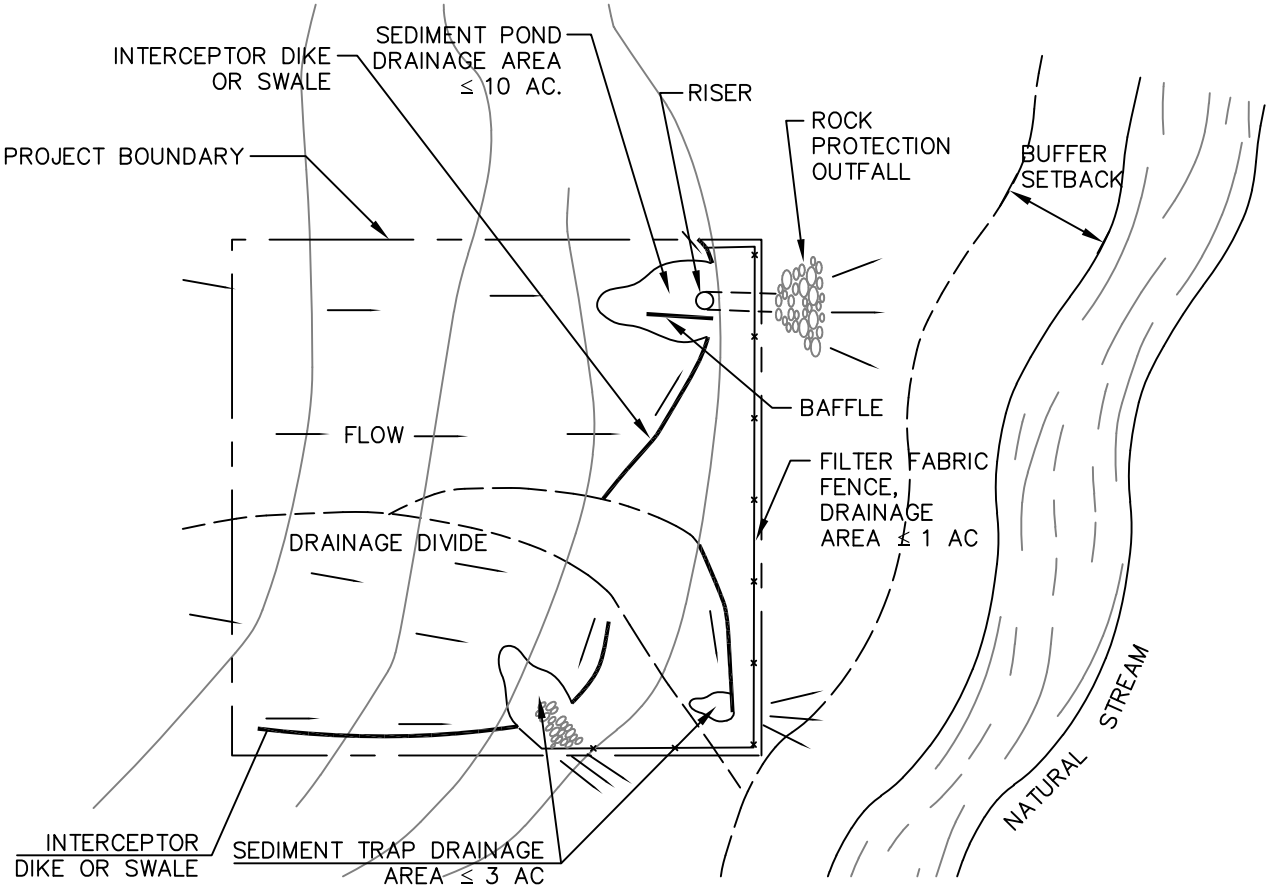
GIG HARBOR
"THE MARITIME CITY"

ENGINEERING DIVISION

ROCK CHECK DAMS

SECTION C
DETAIL N.T.S.
19.0

APPROVED BY
CITY ENGINEER _____ DATE 3/28/23



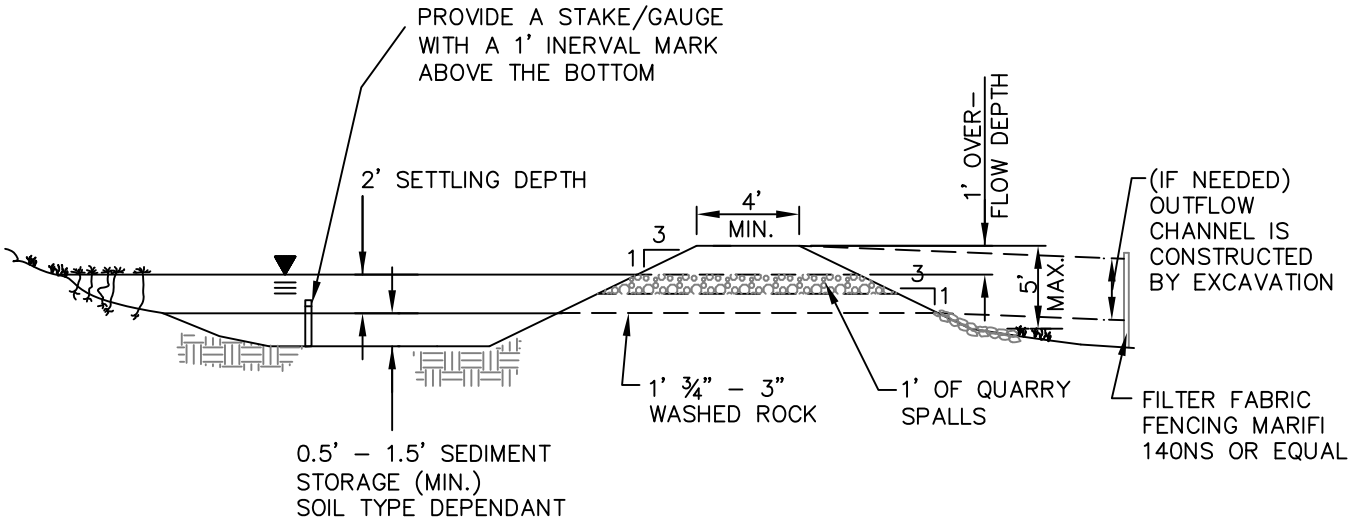
GIG HARBOR
"THE MARITIME CITY"

ENGINEERING DIVISION

ESC STRUCTURAL PRACTICES

SECTION C
DETAIL N.T.S.
20.0

APPROVED BY
CITY ENGINEER _____ DATE 3/28/23



CROSS SECTION

NOTES:

1. REMOVE SEDIMENTS WHEN 1' DEEP.
2. MAXIMUM CONTRIBUTING AREA PER SEDIMENT TRAP IS 3.0 ACRES.
3. SIZE PER BMP C240 OF VOL. II OF CURRENT GHSMSDM
4. ANY DAMAGE TO THE TRAP EMBANKMENTS OR SLOPES SHALL BE REPAIRED.
5. PLACE ROCK DISSIPATION PAD AT ALL INLETS.

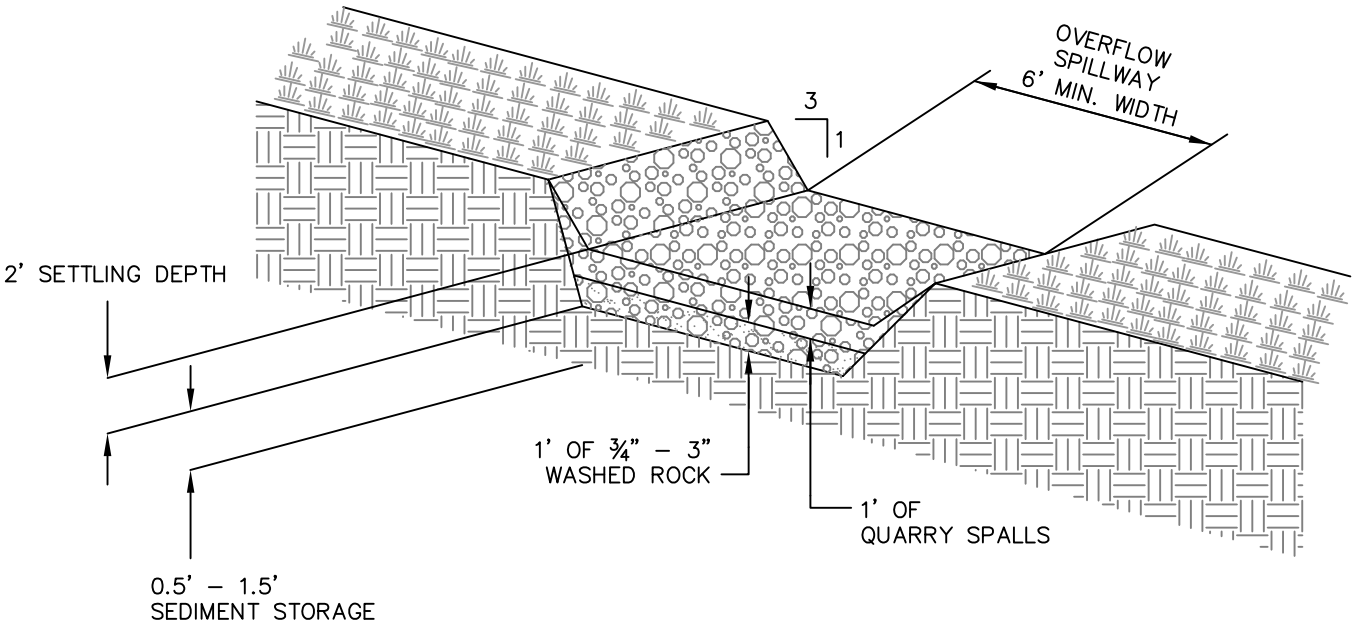
GIG HARBOR "THE MARITIME CITY"

ENGINEERING DIVISION

SEDIMENT TRAP

SECTION C
DETAIL N.T.S.
21.0

APPROVED BY CITY ENGINEER _____ DATE 3/28/23



GIG HARBOR
"THE MARITIME CITY"

ENGINEERING DIVISION

SEDIMENT TRAP OUTLET

SECTION C
DETAIL N.T.S.
22.0

APPROVED BY
CITY ENGINEER _____ DATE 3/28/23