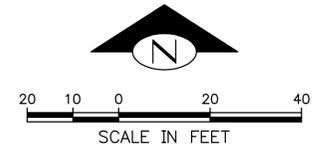


SAMPLE WATER MAIN CSEC PLAN

CURB AND GUTTER ROADWAY, NO GROUNDWATER

STRAW WATTLE NOTES:

1. WATTLES SHALL BE IN ACCORDANCE WITH COS STANDARDS. INSTALL WATTLES ALONG CONTOURS.
2. SECURELY KNOT EACH END OF WATTLE. ABUT ADJACENT WATTLES TIGHTLY, END TO END, WITHOUT OVERLAPPING THE ENDS.
3. PILOT HOLES MAY BE DRIVEN THROUGH THE WATTLES AND INTO THE SOIL WHEN SOIL CONDITIONS REQUIRE.
4. LIVE STAKES MAY BE USED FOR PERMANENT INSTALLATION AND SHALL BE IN ACCORDANCE WITH COS STANDARDS.
5. WATTLES SHALL BE INSPECTED REGULARLY, AND IMMEDIATELY AFTER A RAINFALL PRODUCES RUNOFF, TO ENSURE THEY REMAIN THOROUGHLY ENTRENCHED AND IN CONTACT WITH THE SOIL.
6. PERFORM MAINTENANCE IN ACCORDANCE WITH COS STANDARDS.



REMOVAL AND DEMOLITION LEGEND:

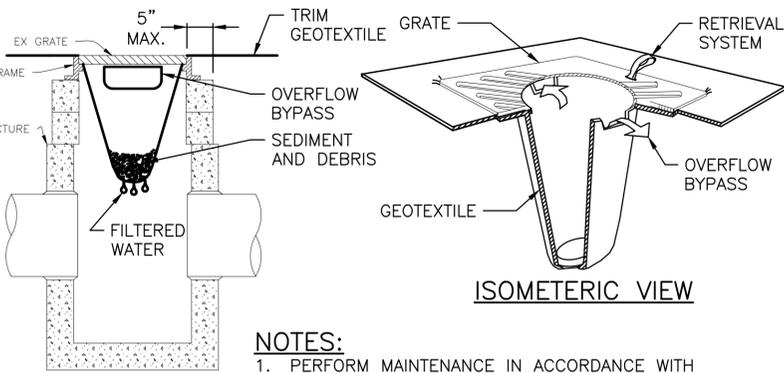
- SAW CUT CEMENT CONCRETE FULL DEPTH PER SECTION 2-02.3(6)
- REMOVE ASPHALT OVERLAY (R.A.O.) PER SECTION 2-02.3(B)
- PIPE TO BE REMOVED BY SPU
- REMOVE RIGID PAVEMENT PER SECTION 2-02.3(C)
- CB PROTECTION
- COMPOST SOCK

COMPOST SOCK NOTES:

1. COMPOST SOCK SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATION 9.14.4(9). COMPOST SOCK SHALL BE A MINIMUM OF 10" IN DIAMETER OR SIZED TO SUIT CONDITIONS AS SPECIFIED BY THE ENGINEER.
2. ALWAYS INSTALL COMPOST SOCK PERPENDICULAR TO SLOPE AND ALONG CONTOUR LINES.
3. REMOVE SEDIMENT FROM THE UP SLOPE SIDE OF THE COMPOST SOCK WHEN ACCUMULATION HAS REACHED 1/2 OF THE EFFECTIVE HEIGHT OF THE COMPOST SOCK.
4. MAY BE USED IN PLACE OF FILTER FENCE FOR PERMITTER CONTROL.

COMPOST SOCK NOTES:

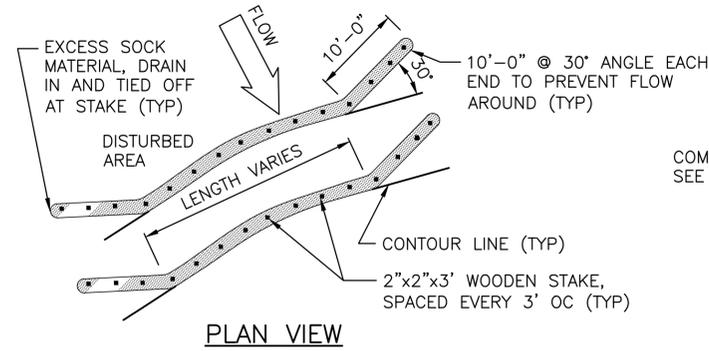
SLOPE	MAXIMUM SPACING
1:1	10'-0"
2:1	20'-0"
3:1	30'-0"
4:1	40'-0"



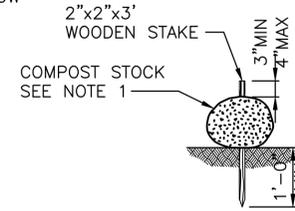
CROSS SECTION

NOTES:

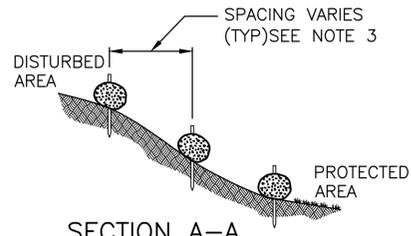
1. PERFORM MAINTENANCE IN ACCORDANCE WITH STANDARD SPECIFICATION 8-01.3 (12B).
2. SIZE THE BELOW GRATE INLET DEVICE (BGID) FOR THE STORM WATER STRUCTURE IT WILL HAVE SERVICE.
3. THE BGID SHALL HAVE A BUILT-IN HIGH-FLOW RELIEF SYSTEM (OVERFLOW BYPASS).
4. THE RETRIEVAL SYSTEM MUST ALLOW REMOVAL OF THE BGID WITHOUT SPILLING THE COLLECTED MATERIAL.



PLAN VIEW



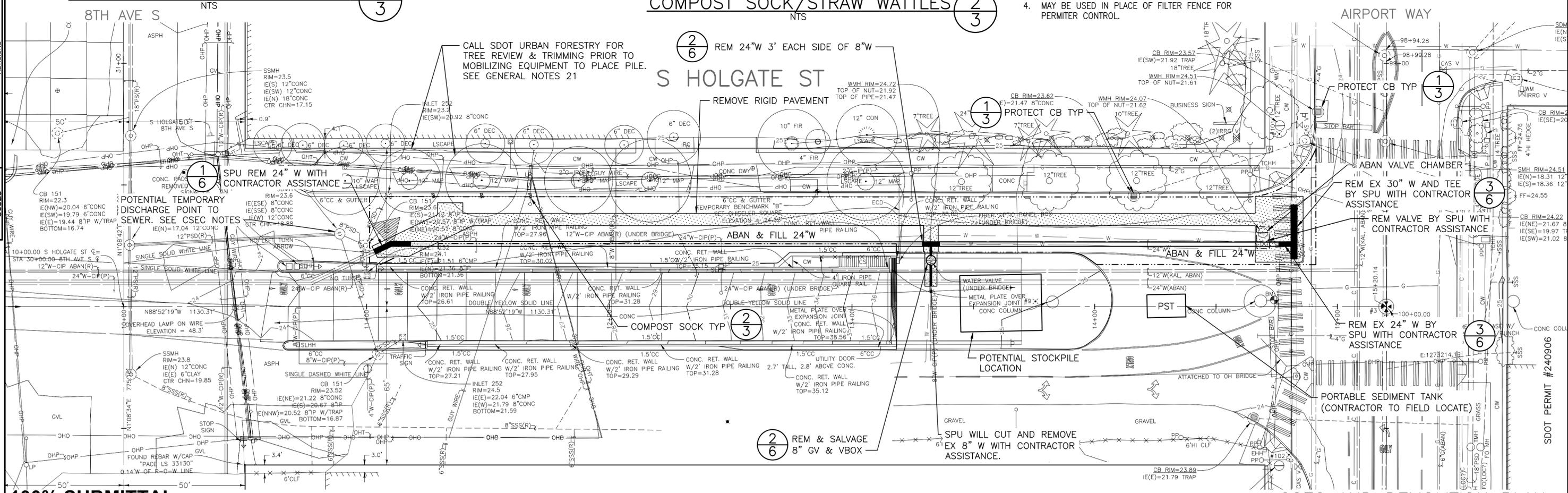
DETAIL



SECTION A-A (SHOWN AS SLOPE PROTECTION)

STORM DRAIN CB PROTECTION 1/3

COMPOST SOCK/STRAW WATTLES 2/3



100% SUBMITTAL

APPROVED FOR ADVERTISING NANCY LOCKE DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES SEATTLE, WASHINGTON 20		INITIALS AND DATE	
DESIGNED	CHECKED	REVIEWED:	CONST.
DRAWN JLA		RECEIVED	
CHECKED		REVISED AS BUILT	
ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.			

Seattle Public Utilities
City of Seattle
Ray Hoffman, Director

ORDINANCE NO. _____
FUND: _____
SCALE: 1"=20'

APPROVED _____
INSPECTOR'S BOOK _____

JOB NO.	PC
R/W	R/W
CO	CO
VAULT PLAN NO.	
SHEET 1 OF 1	

VAULT SERIAL NO.	DATE	MARK	NATURE	REVISIONS	MADE	CHK'D	REV'D
36523							

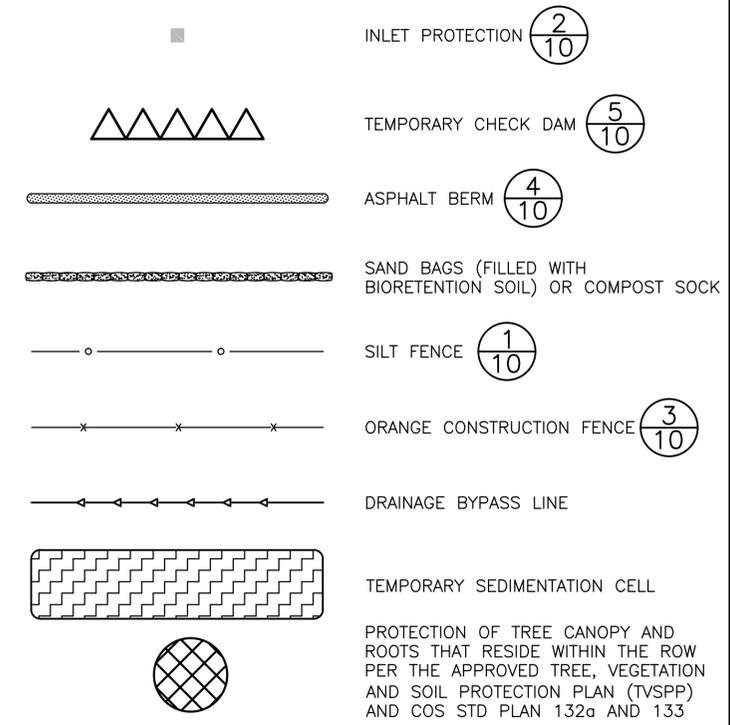
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SDOT PERMIT #240906

SAMPLE BIORETENTION CSEC PLAN

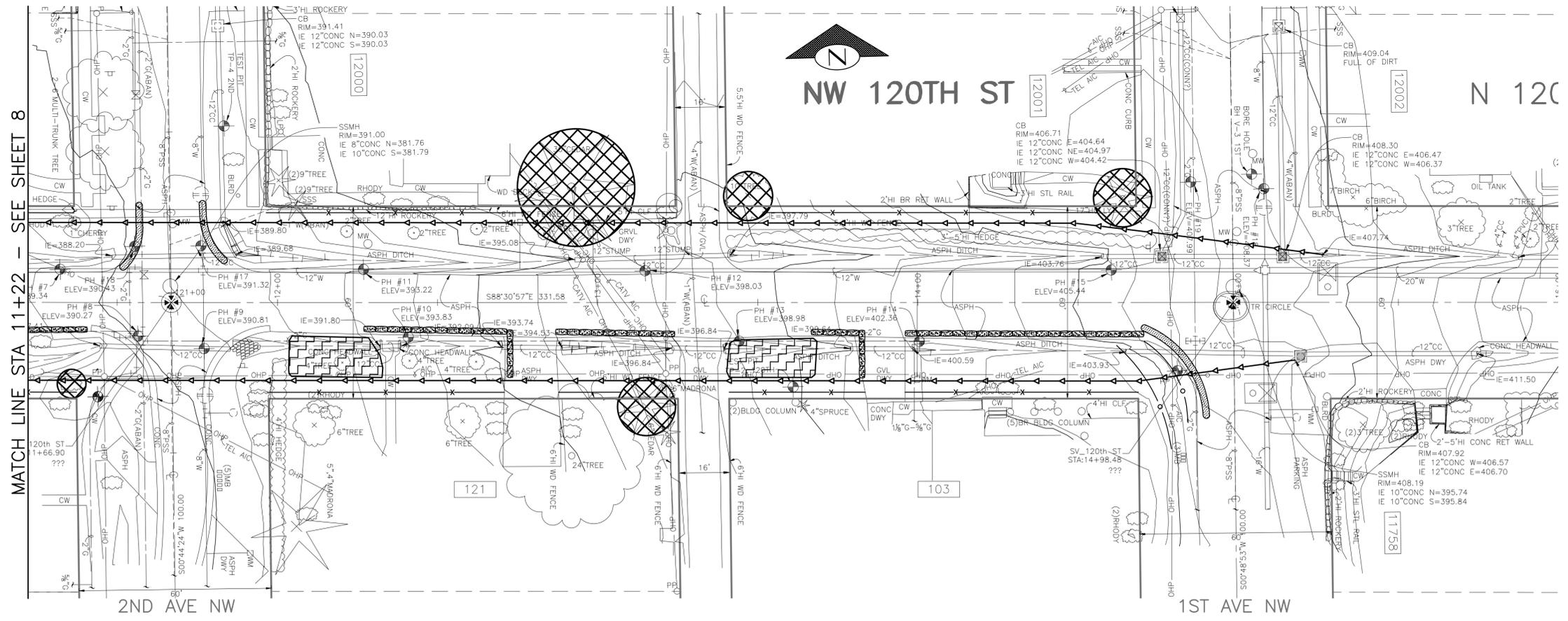
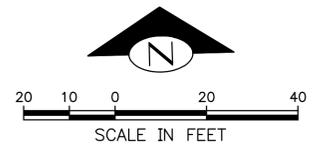
(DITCH & CULVERT, NO CURB OR GUTTER)

CSEC LEGEND:



CSEC NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO PREVENT EROSION, CONTROL SEDIMENTATION, AND SHALL BE PROHIBITED FROM DISCHARGE OF SEDIMENT-LADEN RUNOFF BEYOND THE CONSTRUCTION LIMITS OF THIS PROJECT.
2. THE CONTRACTOR SHALL SUBMIT AT THE PRE-CONSTRUCTION MEETING THE CONSTRUCTION STORMWATER POLLUTION PREVENTION SUBMITTALS PER SPECIFICATION SECTIONS 1-05.13(3), 8-01.3(2) AND SCHEDULE PER SECTION 1-08.3, WHICH INCLUDE:
 - CONSTRUCTION STORMWATER AND EROSION CONTROL PLAN (CSECP)
 - TREE, VEGETATION AND SOIL PROTECTION PLAN (TVSPP)
 - SPILL PREVENTION PLAN (SPP)
 - TEMPORARY DISCHARGE PLAN (TDP)
3. PROTECTION AND RESTORATION OF BIORETENTION CELLS:
 - A. PROTECT ALL BIORETENTION CELLS (EXCEPT THOSE DESIGNATED AS TEMP SEDIMENTATION CELLS) FROM ACCUMULATING SEDIMENT. IF BIORETENTION CELLS ACCUMULATE SEDIMENT DURING CONSTRUCTION, RESTORE THE CELLS TO THEIR FULLY FUNCTIONING CONDITION AS DIRECTED BY THE ENGINEER. RESTORING THE BIORETENTION CELL MUST INCLUDE REMOVAL OF SEDIMENT AND ANY SEDIMENT-LADEN BIORETENTION SOILS, EXCAVATION TO 3" MIN BELOW THE BOTTOM OF ANY CELLS AND REPLACE BIORETENTION SOILS TO THE PROPOSED GRADE.
 - B. PREVENT COMPACTING BIORETENTION SOIL IN THE CELLS BY EXCLUDING CONSTRUCTION EQUIPMENT AND MINIMIZING FOOT TRAFFIC FROM THE BIORETENTION CELL AREA THAT ARE UNDER CONSTRUCTION OR ARE COMPLETED. IF BIORETENTION CELLS ARE COMPACTED, RESTORE THE CELLS TO A FULLY FUNCTIONING INFILTRATION CONDITION AS DIRECTED BY THE ENGINEER BY OVER-EXCAVATING THE COMPACTED AREA AND PLACING THE BIORETENTION SOIL IN AN UNCOMPACTED STATE.



MATCH LINE STA 11+22 - SEE SHEET 8

(FOR INFORMATION ONLY)

VAULT SERIAL NO.	DATE	MARK	NATURE	REVISIONS	MADE	CHK'D	REV'D
36124							

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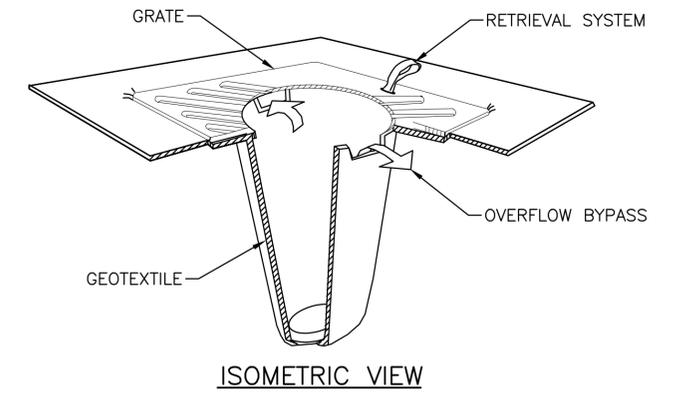
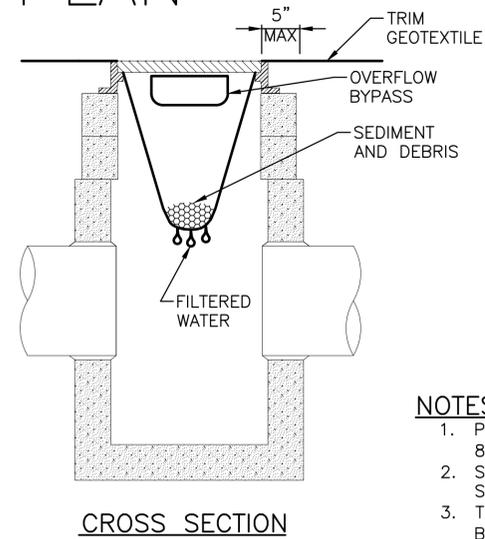
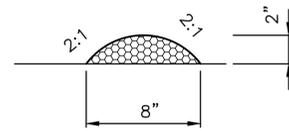
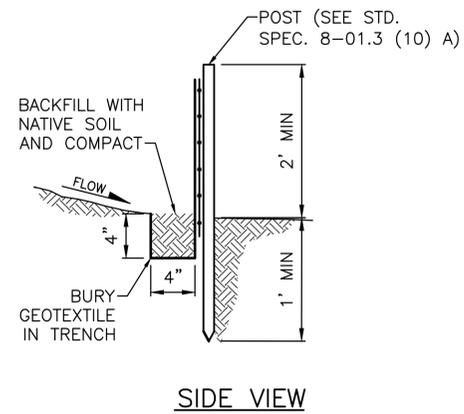
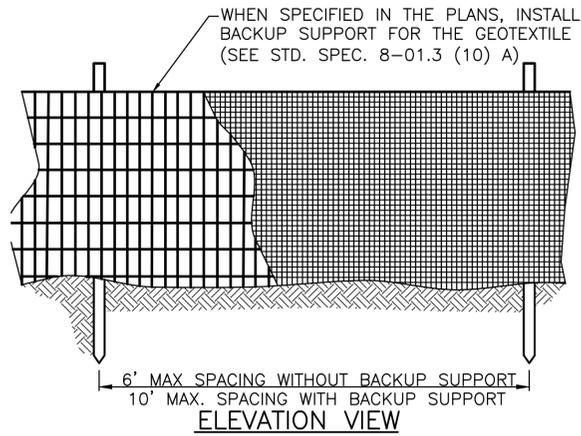
SDOT\SIP NO. 152653

REVIEWED BY SPU/WATER ENGINEERING 20..... REVIEWED BY SPU/DRAINAGE 20..... APPROVED BY SDOT STREET IMPROVEMENT PERMITTING 20.....	APPROVED FOR ADVERTISING NANCY LOCKE DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES SEATTLE, WASHINGTON 20	NAME OR INITIALS AND DATE DESIGNED CHECKED DRAWN CHECKED	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR. RECEIVED REVISED AS BUILT	City of Seattle Ray Hoffman, Director APPROVED INSPECTOR'S BOOK	PC R/W CO VAULT PLAN NO. SHEET 1 OF 1
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ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.

SAMPLE BIORETENTION CSEC PLAN

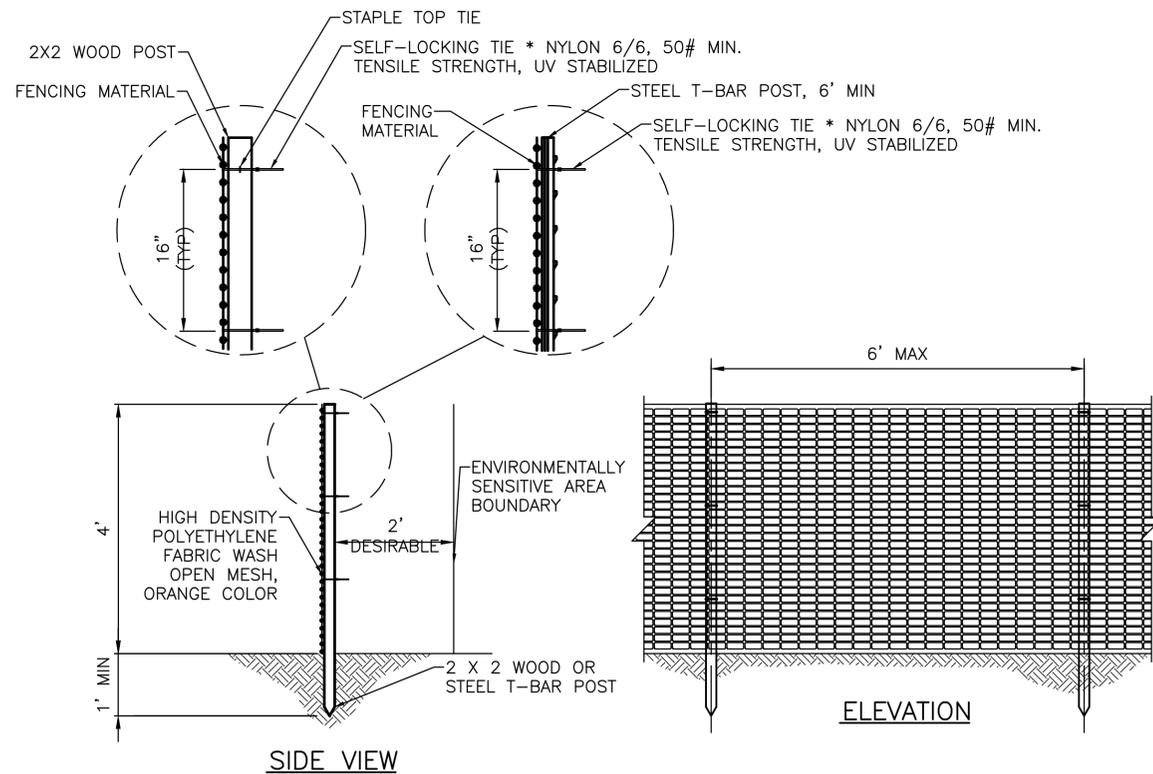
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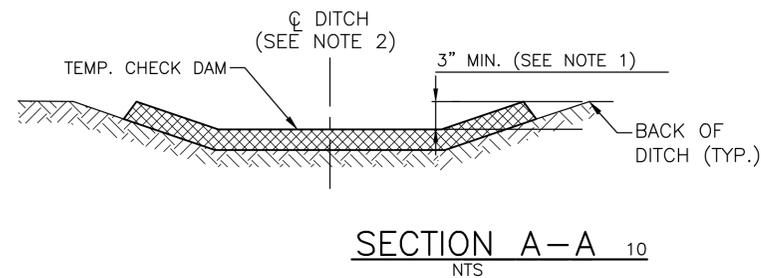
NOTES:

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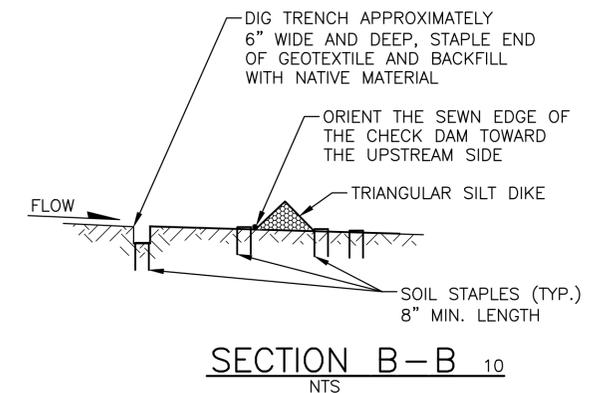
SILT FENCE DETAILS 1
NTS 5,6,7,8&9



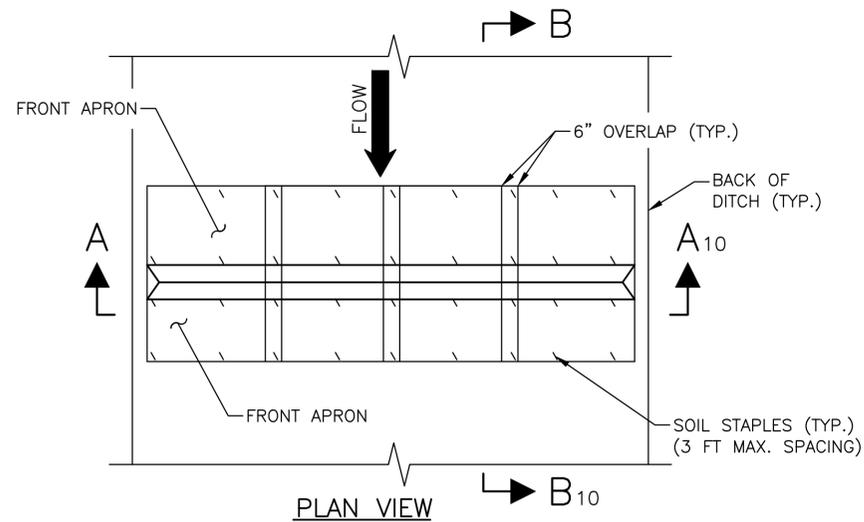
TEMPORARY ASPHALT BERM 4
NTS 5,6,7,8&9



STORM DRAIN INLET PROTECTION 2
NTS 5,6,7,8&9



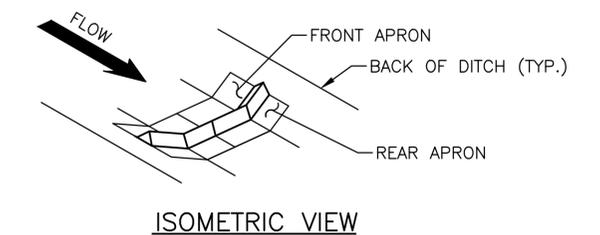
ORANGE CONSTRUCTION FENCE 3
NTS 5,6,7,8&9



NOTES:

1. INSTALL THE SLOPED ENDS OF THE CHECK DAM A MINIMUM OF 3" HIGHER THAN THE TOP OF THE CHECK DAM IN THE CHANNEL TO ENSURE THAT WATER FLOWS OVER THE DAM AND NOT AROUND IT.
2. FLAT BOTTOM DITCH DESIGN SHOWN, CHECK DAM INSTALLATION DETAILS ARE SIMILAR FOR "V" BOTTOM DITCHES.

TEMPORARY CHECK DAM 5
NTS 5,6,7,8&9



CSEC DETAILS

VAULT SERIAL NO.	DATE	MARK	NATURE	REVISIONS	MADE	CHK'D	REV'D
36124							

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SDOT/SIP NO. 152653

REVIEWED BY SPU/WATER ENGINEERING 20.....	APPROVED FOR ADVERTISING NANCY LOCKE DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES SEATTLE, WASHINGTON 20	NAME OR INITIALS AND DATE DESIGNED CHECKED	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR.
REVIEWED BY SPU/DRAINAGE 20.....		DRAWN CHECKED	RECEIVED REVISED AS BUILT
APPROVED BY SDOT STREET IMPROVEMENT PERMITTING 20.....	By: PURCHASING & CONTRACTING SERVICES DIRECTOR	ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.	

Seattle Public Utilities
City of Seattle
Ray Hoffman, Director

ORDINANCE NO. _____
FUND: _____
SCALE: AS NOTED

APPROVED _____
INSPECTOR'S BOOK

NO. _____	PC
JOB _____	R/W
	CO
VAULT PLAN NO.	
SHEET 2 OF 2	