

LEGEND	KEY	SYMBOL
CHECK DAM	CD	
CURB SOCK INLET PROTECTION	CS	
CONCRETE WASHOUT AREA	CWA	
DIVERSION DITCH AND DIKE, TEMPORARY	DD	
DIVERSION CHANNEL, TEMPORARY	DV	
EROSION CONTROL BLANKET	ECB	
INLET PROTECTION	IP	
OUTLET PROTECTION	OP	
PERMANENT SEEDING	PS	
SEDIMENT BASIN	SB	
SEDIMENT CONTROL LOG	SCL	
SILT FENCE	SF	
STABILIZED STAGING AREA	SSA	
STRAW BALE BARRIER	STB	
TEMPORARY SEEDING	TS	
VEHICLE TRACKING CONTROL	VTC	
SILT FENCE	CF	
LIMIT OF CONSTRUCTION	LOC	
TEMPORARY SEDIMENT BASIN	TSB	

show extent of cut/fill  
show construction boundaries  
and limits of disturbance.

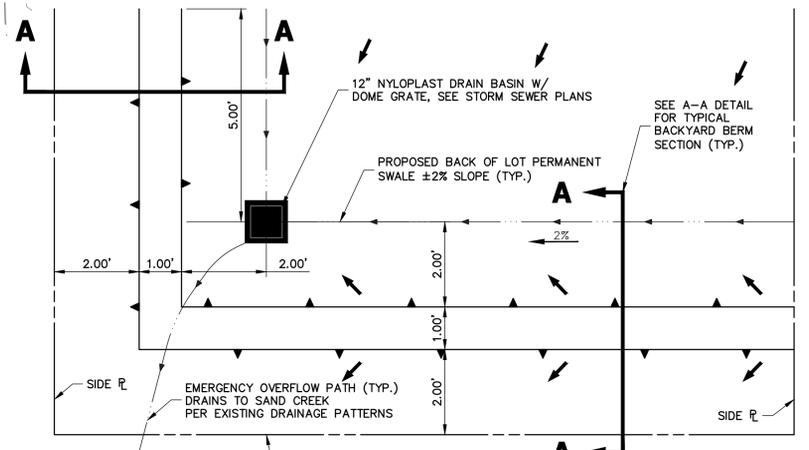
Add LOC line type to legend.  
If "limits of disturbance" and  
"construction boundary" are  
the same, change to  
"construction boundary/limits  
of disturbance" or otherwise  
show as separate linetypes for  
each on the legend and figure.

label as VTC.  
Doesn't seem  
long enough,  
VTC should  
be 75' in  
length

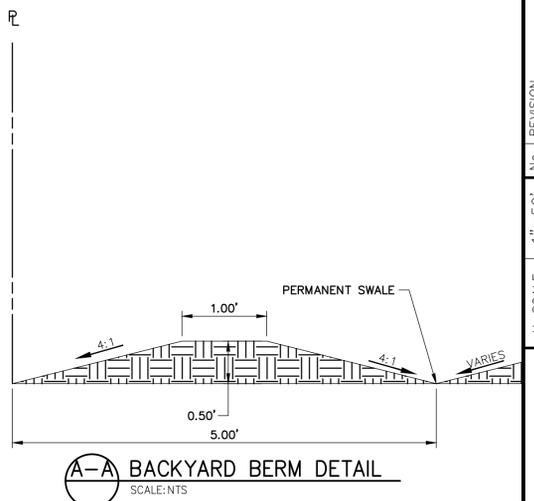
clearly show the extent of the berm and  
add to legend.

Add at least one  
cross-section through each  
sediment filter basin

Show locations and provide details of temporary sediment  
basin, including riser pipe perforation sizing, number of rows,  
required volume, and tributary area to the sediment basin.



TYPICAL DRAIN BASIN PLACEMENT  
LOTS 13-41  
SCALE: NTS



A-A BACKYARD BERM DETAIL  
SCALE: NTS

**NOTES**

1. THE EXISTING VEGETATION LOCATED ON THE PROJECT IS ASSUMED TO BE STABILIZED PER THE APPROVED HOMESTEAD FILING 2 M&S GEO/SWMP PLANS.
2. INFORMATION ON ACCESS ROADS NECESSARY FOR ACCESS TO THE PERMANENT BMPS WILL BE PROVIDED WITH THE SAND CREEK CHANNEL PLANS AND CONSTRUCTION. ACCESS TRAIL ON WEST SIDE OF SAND CREEK SHALL BE DESIGNED TO MEET COUNTY CRITERIA.
3. INITIAL BMPs TO BE INSTALLED PRIOR TO CONSTRUCTION INCLUDES: CF, SF, SSA, VTC, CWA, AND DD. INTERIM BMPs TO BE INSTALLED DURING CONSTRUCTION INCLUDES: IP AND OP. FINAL STABILIZATION INCLUDES PERMANENT SEEDING AND MULCHING AS WELL AS THE REMOVAL OF TEMPORARY BMPs.



**ENGINEER'S STATEMENT**

THIS GRADING AND EROSION CONTROL PLAN WAS PREPARED UNDER MY DIRECTION AND SUPERVISION AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. SAID PLAN HAS BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR GRADING AND EROSION CONTROL PLANS. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARING THIS PLANS.



MIKE A. BRAMLETT, P.E.  
COLORADO P.E. 32314  
FOR AND ON BEHALF OF JR ENGINEERING

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, JR ENGINEERING APPROVES THEIR USES DESIGNATED BY WRITTEN AUTHORIZATION.

PREPARED FOR  
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COLORADO SPRINGS, CO 80903  
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Fort Collins 970-491-9888 • www.jrengineering.com

BY	DATE	REVISION

H-SCALE	V-SCALE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
1"=50'	1"=5'	03/23/21	REB	REB	

**HOMESTEAD 2 COMMON SAND FILTER GEC PLANS**

**GRADING EROSION CONTROL PLAN**

SHEET 3 OF 8

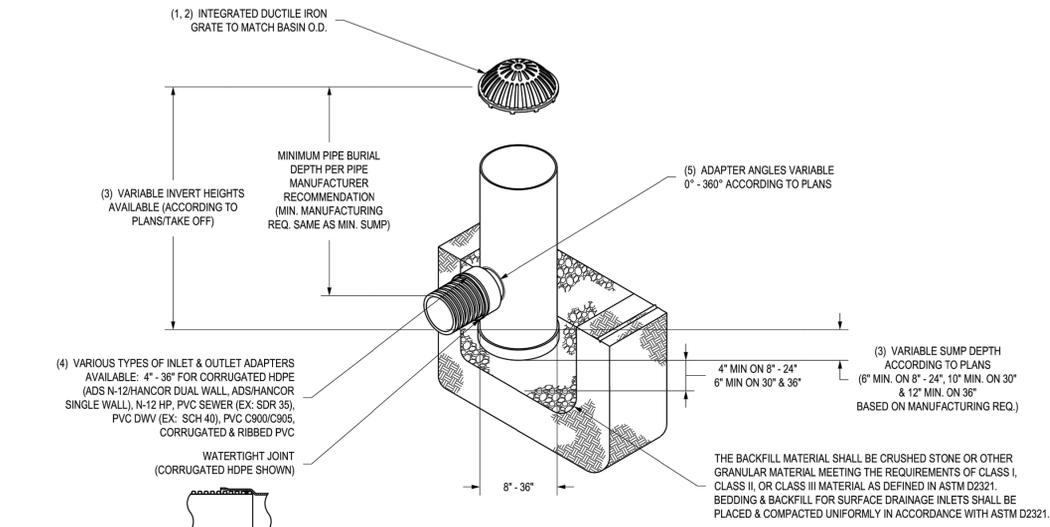
JOB NO. 25188.00







**NYLOPLAST DRAIN BASIN WITH DOME GRATE**



- 8" - 30" DOME GRATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
- 8" & 10" DOME GRATES FIT ONTO THE DRAIN BASINS WITH THE USE OF A PVC BODY TOP. SEE DRAWING NO. 7001-110-045.
- DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065.
- DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL, N-12 HP, & PVC SEWER (EX. SDR 35), PVC DWV (EX. SCH 40), PVC C900/C905, CORRUGATED & RIBBED PVC).
- ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-042.
- 8" - 30" DOME GRATES HAVE NO LOAD RATING.

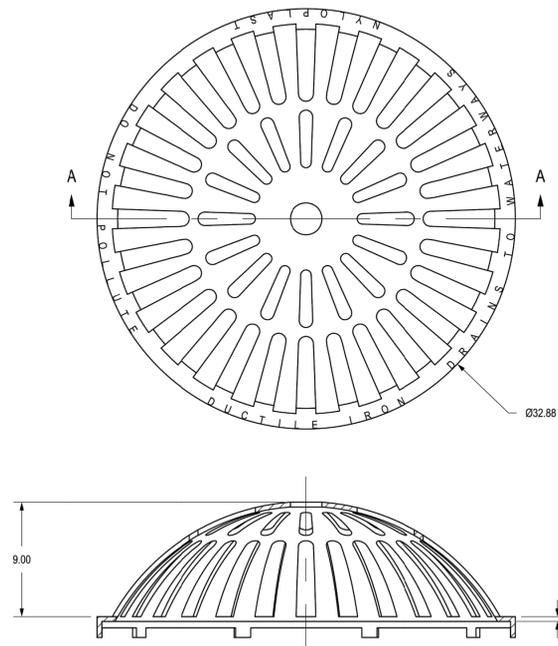
THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONFER, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN. REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN, OR MANUFACTURE OF ANY ARTICLE HEREFROM, FOR THE DISCLOSURE TO OTHERS IS FORBIDDEN, EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NYLOPLAST.

<b>DRAWN BY</b>	EBC	<b>MATERIAL</b>	3130 VERONA AVE BUFORD, GA 30518 PHN (770) 932-2443 FAX (770) 932-2490 www.nyloplast-us.com
<b>DATE</b>	03-25-10	<b>PROJECT NO./NAME</b>	
<b>REVISED BY</b>	NMH	<b>TITLE</b>	DRAIN BASIN WITH DOME GRATE QUICK SPEC INSTALLATION DETAIL
<b>DATE</b>	06-12-18	<b>DWG NO.</b>	7001-110-397
<b>DWG SIZE</b>	A	<b>SCALE</b>	1:40
<b>SHEET</b>	1 OF 1	<b>REV</b>	E



**3099CGD**

APPROX. DRAIN AREA = 409.94 SQ IN  
APPROX. WEIGHT WITH FRAME = 93.00 LBS

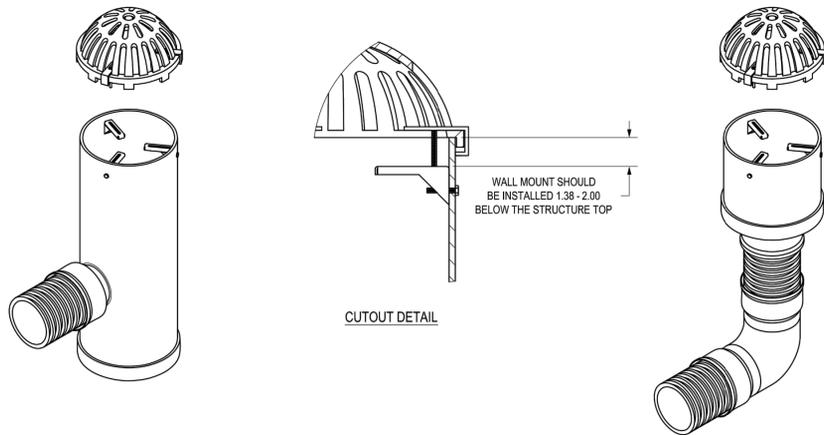


SECTION A-A

DIMENSIONS ARE FOR REFERENCE ONLY  
ACTUAL DIMENSIONS MAY VARY  
DIMENSIONS ARE IN INCHES  
QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05  
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT  
LOCKING DEVICE AVAILABLE UPON REQUEST

THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONFER, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN. REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN, OR MANUFACTURE OF ANY ARTICLE HEREFROM, FOR THE DISCLOSURE TO OTHERS IS FORBIDDEN, EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NYLOPLAST.

<b>DRAWN BY</b>	EBC	<b>MATERIAL</b>	DUCTILE IRON	3130 VERONA AVE BUFORD, GA 30518 PHN (770) 932-2443 FAX (770) 932-2490 www.nyloplast-us.com
<b>DATE</b>	3-8-06	<b>PROJECT NO./NAME</b>		
<b>REVISED BY</b>	EBC	<b>TITLE</b>	30 IN DOME GRATE	
<b>DATE</b>	3-10-11	<b>DWG NO.</b>	7001-110-223	
<b>DWG SIZE</b>	A	<b>SCALE</b>	1:8	
<b>SHEET</b>	1 OF 1	<b>REV</b>	D	



CUTOUT DETAIL

STAINLESS STEEL ADJUSTABLE LOCKING MECHANISM AVAILABLE FOR 12" - 30" DOME GRATES (PART # 1230DOMELOCK).

THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONFER, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN. REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN, OR MANUFACTURE OF ANY ARTICLE HEREFROM, FOR THE DISCLOSURE TO OTHERS IS FORBIDDEN, EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NYLOPLAST.

<b>DRAWN BY</b>	EBC	<b>MATERIAL</b>	3130 VERONA AVE BUFORD, GA 30518 PHN (770) 932-2443 FAX (770) 932-2490 www.nyloplast-us.com
<b>DATE</b>	3-11-11	<b>PROJECT NO./NAME</b>	
<b>APPD BY</b>	EBC	<b>TITLE</b>	12 IN - 30 IN DOME LOCKING GRATE ASSEMBLY
<b>DATE</b>	3-11-11	<b>DWG NO.</b>	7001-110-421
<b>DWG SIZE</b>	A	<b>SCALE</b>	1:16
<b>SHEET</b>	1 OF 1	<b>REV</b>	C

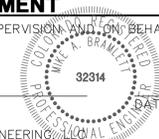


Know what's below.  
Call before you dig.

**ENGINEER'S STATEMENT**

PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR ENGINEERING

MIKE A. BRAMLETT, P.E.  
COLORADO P.E. 32314  
FOR AND ON BEHALF OF JR ENGINEERING



HOMESTEAD 2 COMMON SAND  
FILTER GEC PLANS  
DETAILS

SHEET 7 OF 8

JOB NO. 25188.00

BY DATE

No. REVISION

H-SCALE N/A

V-SCALE N/A

DATE 03/23/21

DESIGNED BY MCS

DRAWN BY MCS

CHECKED BY

DATE

BY

DATE

DATE

DATE

DATE

DATE

DATE

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PREPARED FOR  
**SR LAND, LLC**  
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(719) - 471-1742

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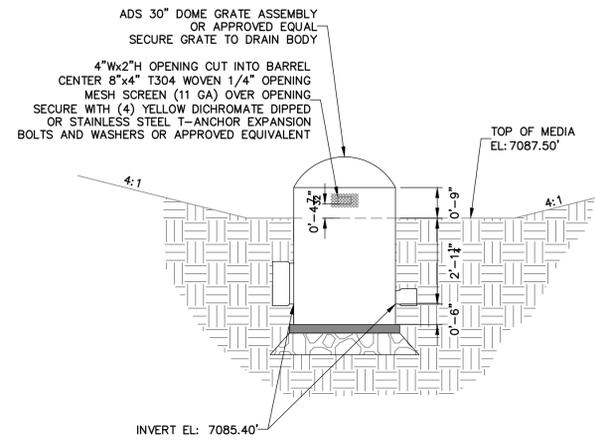
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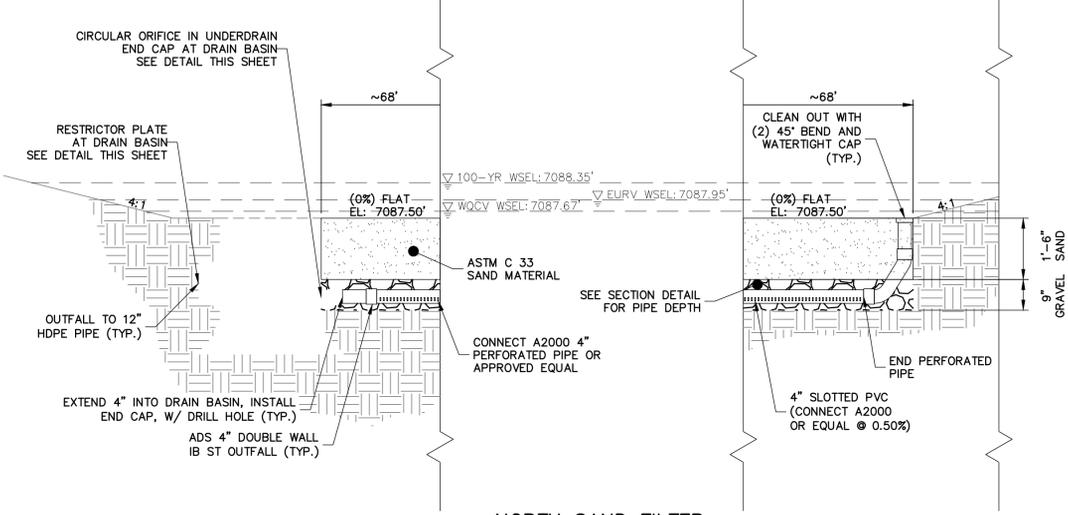
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DATE

DATE

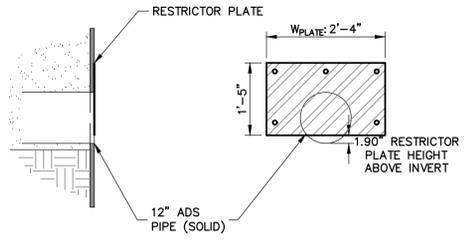


**NORTH DRAIN BASIN  
OUTLET FRONT DETAIL**  
NOT TO SCALE

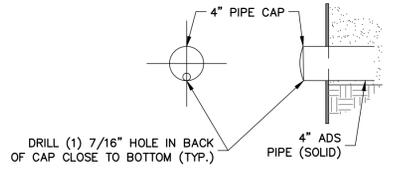


**NORTH SAND FILTER  
LONGITUDINAL CROSS  
SECTION DETAILS**  
NOT TO SCALE

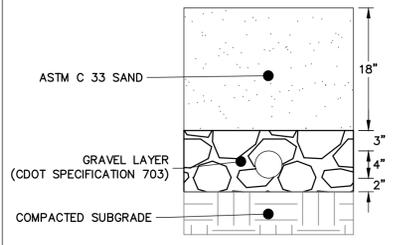
NOTE: SEE URBAN DRAINAGE VOLUME 3 FACT SHEETS T-6 FOR FURTHER DETAILS AND SPECIFICATIONS.



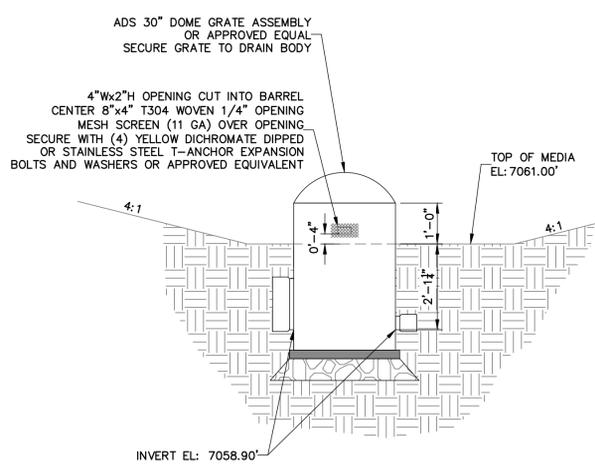
**NORTH SAND FILTER  
RESTRICTOR PLATE DETAIL**  
NOT TO SCALE



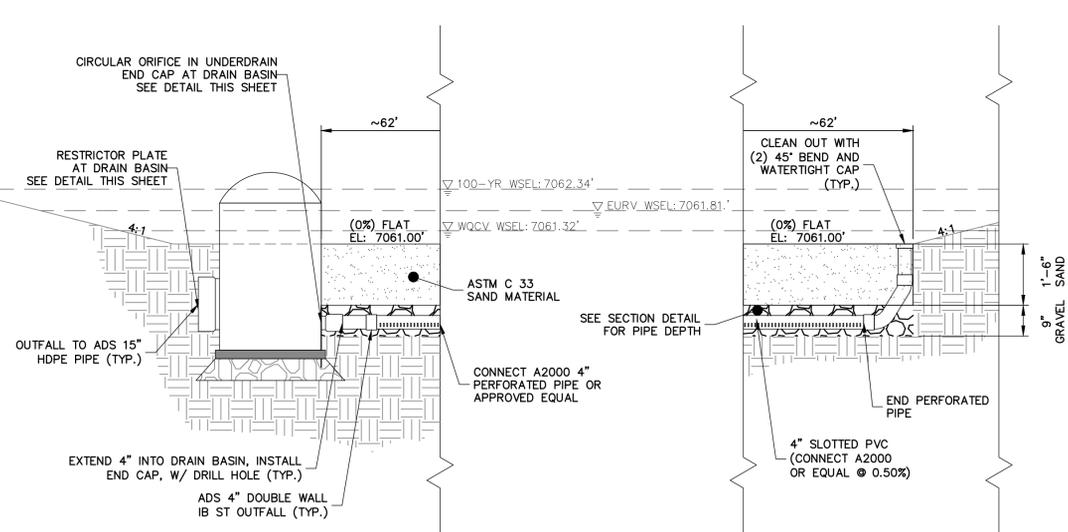
**NORTH SAND FILTER  
UNDERDRAIN END CAP DETAIL**  
NOT TO SCALE



**NORTH SAND FILTER  
SUB-SURFACE SECTION**  
NOT TO SCALE

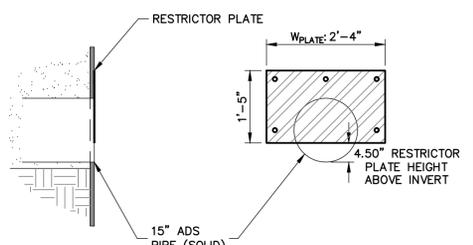


**SOUTH DRAIN BASIN  
OUTLET FRONT DETAIL**  
NOT TO SCALE

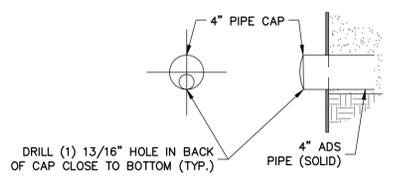


**SOUTH SAND FILTER  
LONGITUDINAL CROSS  
SECTION DETAILS**  
NOT TO SCALE

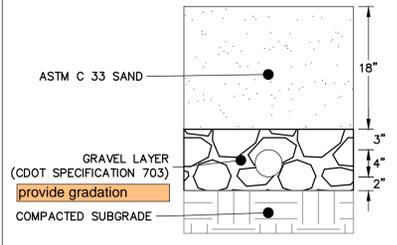
NOTE: SEE URBAN DRAINAGE VOLUME 3 FACT SHEETS T-6 FOR FURTHER DETAILS AND SPECIFICATIONS.



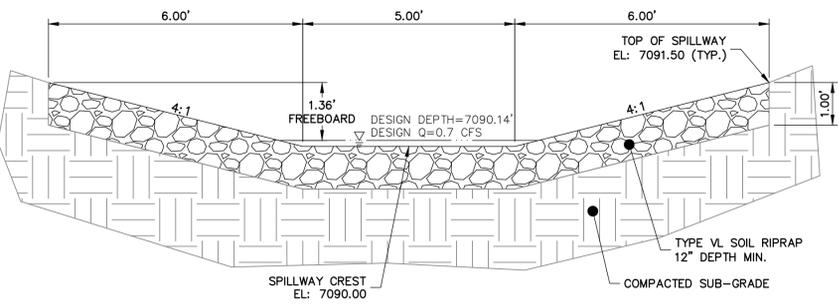
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RESTRICTOR PLATE DETAIL**  
NOT TO SCALE



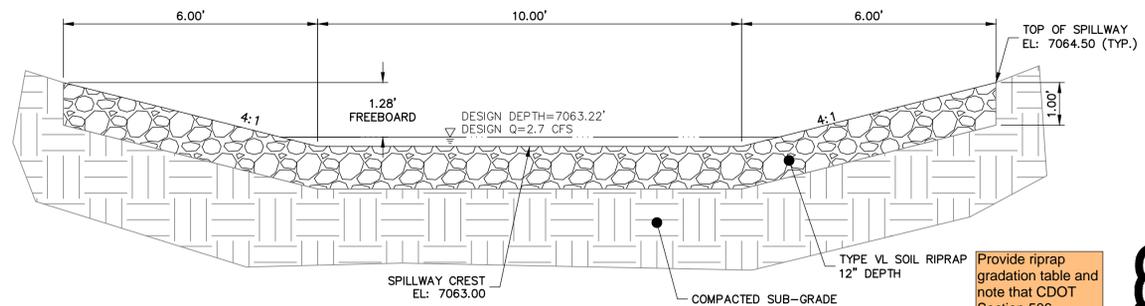
**SOUTH SAND FILTER  
UNDERDRAIN END CAP DETAIL**  
NOT TO SCALE



**SOUTH SAND FILTER  
SUB-SURFACE SECTION**  
NOT TO SCALE



**NORTH SAND FILTER  
EMERGENCY SPILLWAY**  
SCALE: 1"=2'



**SOUTH SAND FILTER  
EMERGENCY SPILLWAY**  
SCALE: 1"=2'

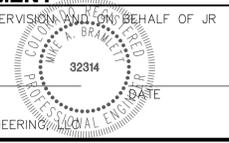
Provide riprap gradation table and note that CDOT Section 506 Requirements apply



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MIKE A. BRAMLETT, P.E.  
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				03/23/21				

**HOMESTEAD 2 COMMON SAND  
FILTER GEC PLANS  
DETAILS**

SHEET 8 OF 8

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