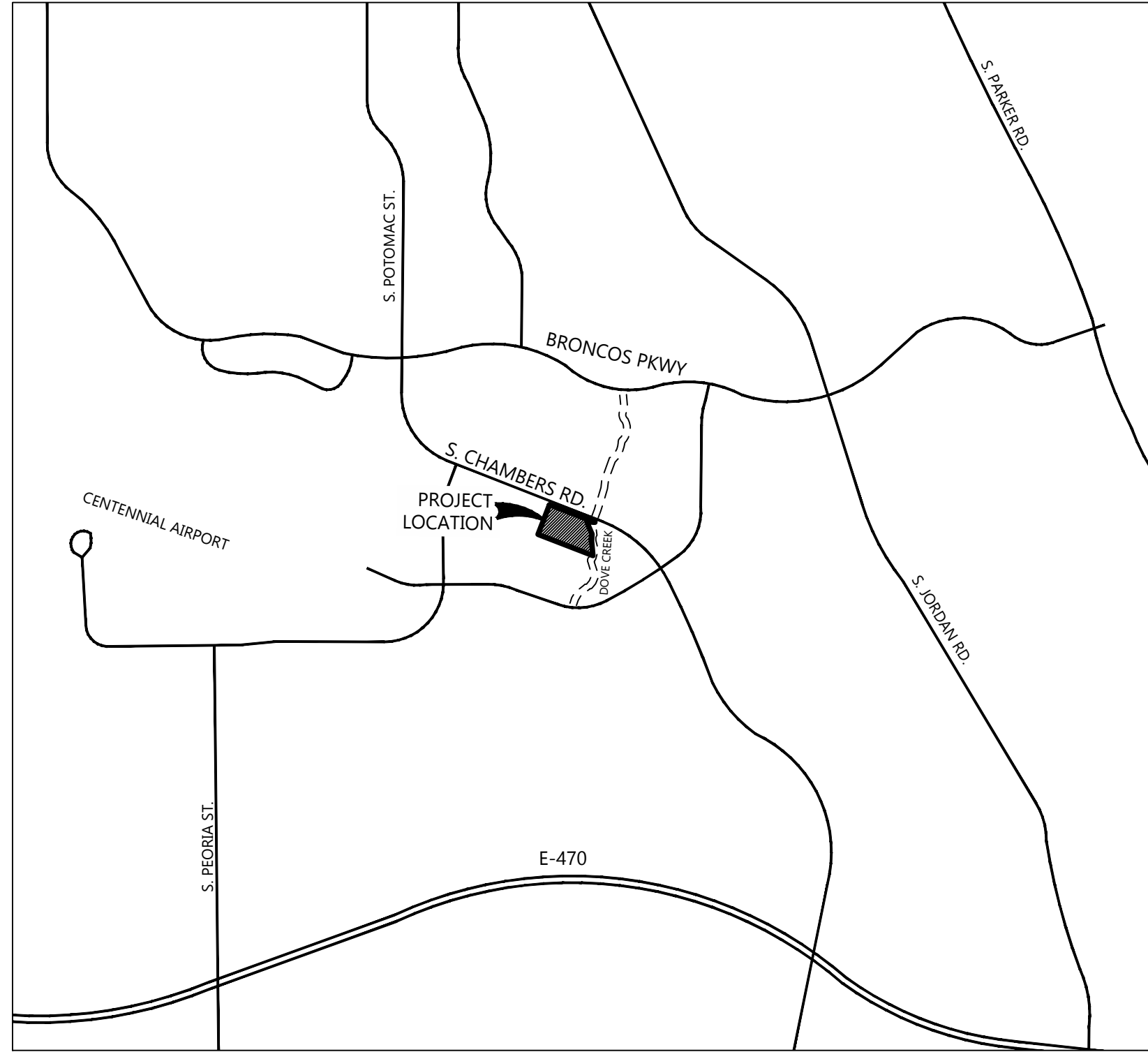


LOT 2, BLOCK 1 DOVE VALLEY V- FILING NO. 14
LOCATED IN THE SOUTHWEST 1/4 OF SECTION 31, TOWNSHIP 5 SOUTH, RANGE 66 WEST
OF THE SIXTH PRINCIPAL MERIDIAN,
COUNTY OF ARAPAHOE, STATE OF COLORADO
8001 S. CHAMBERS RD., ENGLEWOOD, CO 80112



LEGAL DESCRIPTION

LOT 2, BLOCK 1, DOVE VALLEY V - FILING NO. 14
COUNTY OF ARAPAHOE, STATE OF COLORADO

BASIS OF BEARINGS

BEARINGS ARE BASED UPON THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 31, TOWNSHIP 5 SOUTH, RANGE 66 WEST OF THE 6TH P.M., WHICH BEARS S89°39'59"W AND IS MONUMENTED AT THE SOUTH QUARTER CORNER OF SECTION 31 BY A 3 1/4" ALUMINUM CAP LS 17666. PER ARAPAHOE COUNTY'S HORIZONTAL CONTROL NETWORK.

BENCHMARK

NGS CONTROL MONUMENT C-378 RESET 1989 ELEV = 5814.13 (USGS NGVD 29 DATUM) ELEVATION ADJUSTED TO NAVD 1988 ON 5-14-2008 BY LS NO. 29766 USINGN CORPSCON; ELEV = 5817.04

TBM: TOP OF FLANGE BOLT EAST OF "R" IN MUELLER ELEV = 5769.12 NAVD 88

OWNERSHIP

DV3 DEVELOPMENT LLC
9450 W BRYN MAWR AVE., SUITE 750
ROSEMONT, IL 60018
303.521.8890
JOHN TORP

CIVIL ENGINEER

PROOF CIVIL
600 GRANT ST., STE. 210
DENVER, CO 80203
303.325.5709
MATHEW ADAMS, PE

LANDSCAPE ARCHITECT

STACKLOT
5639 S. CURTICE ST.
LITTLETON, CO 80120
303.808.4523
STEVE WIENS

SHEET INDEX:

1	COVER SHEET
2	GESC PLAN - INITIAL
3	GESC PLAN - INTERIM
4	GESC PLAN - FINAL
5 - 8	DETAILS

ENGINEER'S CERTIFICATION

"I HEREBY ATTEST THAT THIS GRADING, EROSION, AND SEDIMENT CONTROL, (GESC) DOCUMENT FOR INNOVATE AT DOVE VALLEY HAS BEEN PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE AND ABILITY HAS BEEN PREPARED IN ACCORDANCE WITH THE LATEST VERSION OF THE GESC MANUAL. THE SIGNATURE AND STAMP AFFIXED HEREON CERTIFIES THAT THIS GESC DOCUMENT WAS PREPARED IN ACCORDANCE WITH THE REQUIRED REGULATIONS AND CRITERIA; HOWEVER, THE STAMP AND SIGNATURE DOES NOT CERTIFY OR GUARANTEE FUTURE PERFORMANCE OF THE EXECUTION OF THE PLAN BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR EXECUTING THE CONSTRUCTION WORK ACCORDING TO THE INFORMATION SET FORTH IN THE PLAN AND IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS."

REGISTERED PROFESSIONAL ENGINEER MATHEW ADAMS

STATE OF COLORADO NO. 42628

AFFIX SEAL

OWNER'S CERTIFICATION

"I HEREBY CERTIFY THAT THE GRADING, EROSION, AND SEDIMENT CONTROL MEASURES FOR INNOVATE AT DOVE VALLEY SHALL BE CONSTRUCTED ACCORDING TO THE DESIGN PRESENTED IN THIS DOCUMENT. I UNDERSTAND THAT ADDITIONAL EROSION CONTROL, SEDIMENT CONTROL, AND WATER QUALITY POLLUTANT DISCHARGES OR IF THE SUBMITTED PLAN DOES NOT FUNCTION AS INTENDED, THE REQUIREMENTS OF THE PLAN SHALL BE THE OBLIGATION OF THE LAND OWNER AND/OR HIS SUCCESSORS OR HEIRS; UNTIL SUCH TIME AS THE PLAN IS PROPERLY COMPLETED, MODIFIED OR VOIDED."

OWNER OR AUTHORIZED AGENT _____

AUTHORIZED SIGNATURE _____ DATE _____

"THIS GRADING, EROSION AND SEDIMENT CONTROL (GESC) DOCUMENT HAS BEEN PLACED IN THE PROJECT FILE FOR THIS PROJECT AND APPEARS TO FULFILL THE LATEST VERSION OF THE GRADING, EROSION AND SEDIMENT CONTROL MANUAL. ADDITIONAL GRADING, EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED OF THE OWNER OR HIS/HER AGENTS, DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT FUNCTION AS INTENDED. THE REQUIREMENTS OF THIS GESC DOCUMENT SHALL RUN WITH THE LAND AND BE THE OBLIGATION OF THE LAND OWNER, OR HIS/HER DESIGNATED REPRESENTATIVE(S) UNTIL SUCH TIME AS THE PLAN IS PROPERLY COMPLETED, MODIFIED OR VOIDED."

SEMSWA ACCEPTANCE BLOCK

ENGINEERING & CONSTRUCTION DIVISION

THESE PLANS HAVE BEEN REVIEWED BY SEMSWA FOR GRADING,
EROSION, AND SEDIMENT CONTROL IMPROVEMENTS ONLY.



AL:

OR AND ON BEHALF OF PROOF CIVIL CO.

[illegible]

COVER

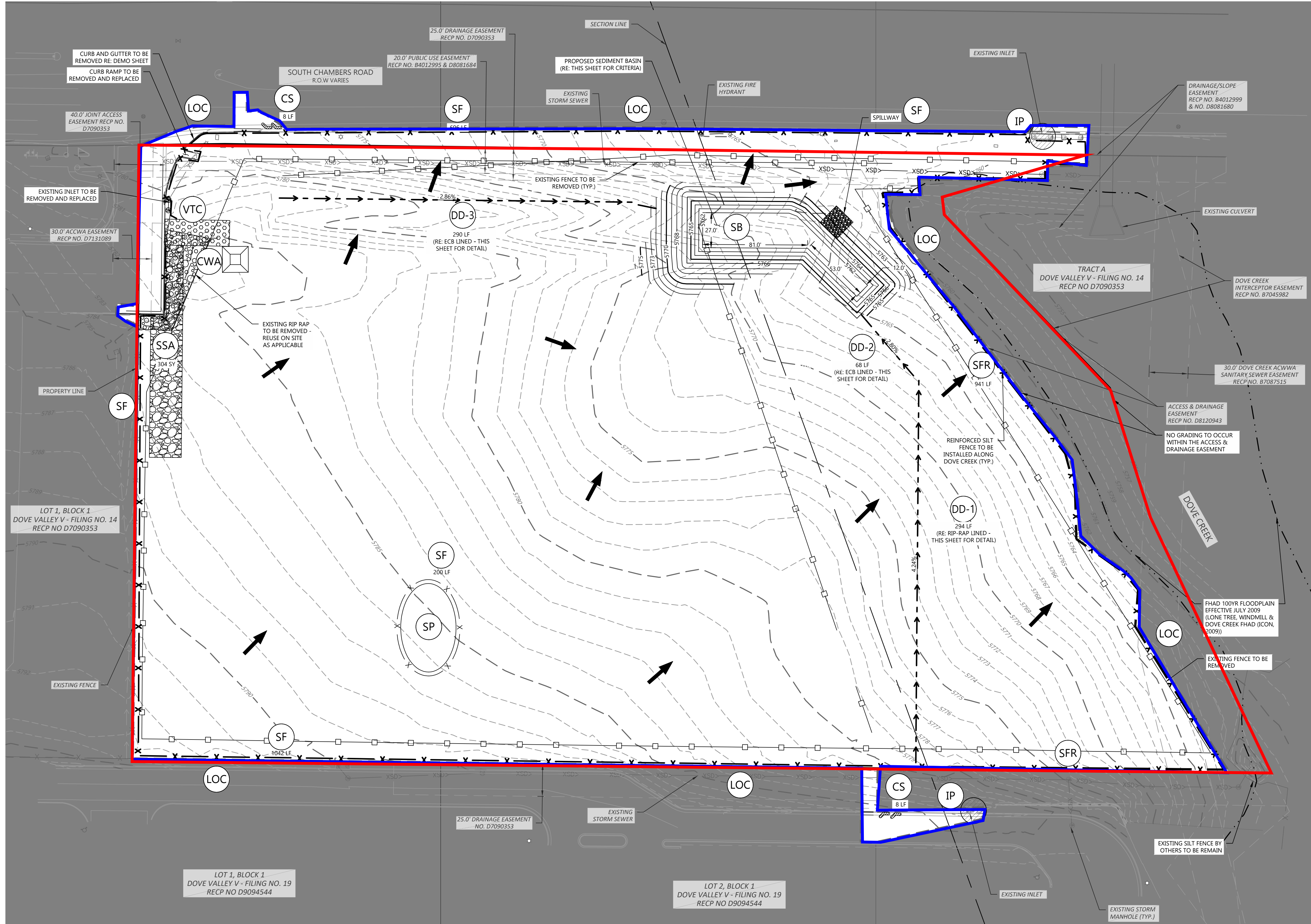
INGLEWOOD INNOVATE AT DOVE VALLEY
GESC PLANS

CO

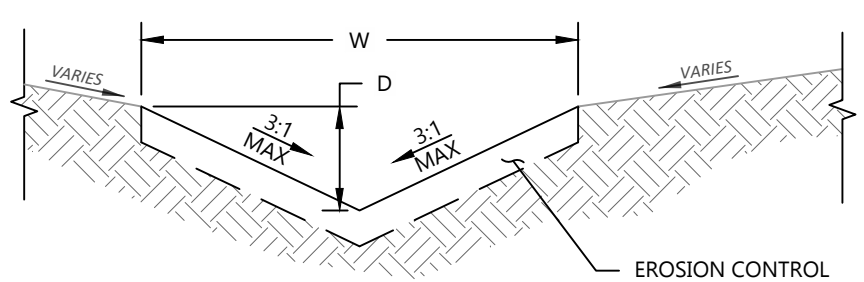
DRAWING NO.

1
1 OF 8

SEMSWA CASE NO. DPR22-00047



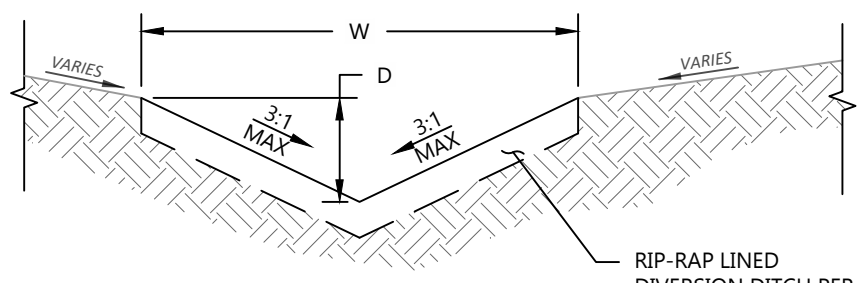
SEDIMENT BASIN CRITERIA	
BOTTOM LENGTH (L)	RE: PLAN
BOTTOM WIDTH (W)	RE: PLAN
BOTTOM OF SEDIMENT BASIN ELEVATION	5762.00'
OVERFLOW WEIR ELEVATION	5765.00'
WEIR WIDTH (LF)	12'
TOP OF RISER PIPE	5565.00'
BOTTOM OF RISER PIPE	5763.25'
HOLE SPACING	4"
HOLE DIAMETER	1 1/8"



CRITERIA: SLOPE: 0.5% - 3.0%
AVG SLOPE: 2.2% & 2.9%
D: 10" (MIN.)
W: 5.0' (MIN.)
ECB TYPE: STRAW-COCOONUT
OR COCONUT SHALL BE
DECIDED ONSITE BY
CONTRACTOR

EROSION CONTROL
BLANKET LINED
DIVERSION DITCH PER
DETAIL 8 (RE: SHEET 6 (2
OF 4) FOR DETAIL)

DIVERSION DITCH - ECB LINED
TYPICAL CROSS SECTION
N.T.S.



CRITERIA: SLOPE: 3% - 33%
AVG SLOPE: 4.2%
D: 10" (MIN.)
W: 5.0' (MIN.)
THICKNESS: 2 X D50
RIP-RAP TYPE: D50 - 6"

RIP-RAP LINED
DIVERSION DITCH PER
DETAIL 8 (RE: SHEET 6 (2
OF 4) FOR DETAIL)

DIVERSION DITCH - RIP-RAP LINED
TYPICAL CROSS SECTION
N.T.S.

LEGEND:

- PROPERTY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- PROPOSED CURB & GUTTER
- EXISTING CURB & GUTTER
- LIMITS OF CONSTRUCTION

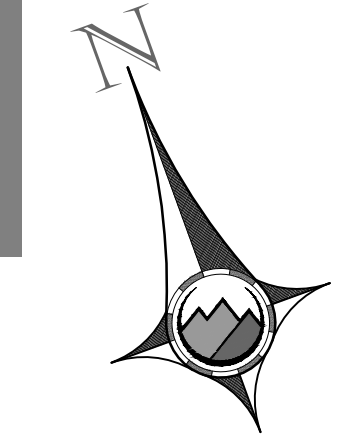
BENCHMARK:

NGS CONTROL MONUMENT C-378 RESET 1989 ELEV = 5814.13 (USGS
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5-14-2008 BY LS NO. 29766 USINGN CORP CON; ELEV = 5817.04
TBM; TOP OF FLANGE BOLT EAST OF "R" IN MUELLER
ELEV = 5769.12 NAVD 88

NOTES:

- INSPECTION OF ALL EROSION CONTROL BMP'S SHALL BE
REQUIRED AT THE END OF EACH DAY'S WORK, WITH NECESSARY
MAINTENANCE AND REPAIRS PROVIDED IMMEDIATELY.
- STORM DRAIN INLETS SHALL BE PROTECTED FROM THE ENTRY
OF SEDIMENT-LADEN WATER UNTIL FINAL STABILIZATION IS
COMPLETE.
- APPROPRIATE CONTROL MEASURES MUST BE IMPLEMENTED
PRIOR TO THE START OF LAND DISTURBANCE ACTIVITY. MUST
CONTROL POTENTIAL POLLUTANTS DURING EACH PHASE OF
CONSTRUCTION, AND MUST BE CONTINUED THROUGH FINAL
STABILIZATION. APPROPRIATE STRUCTURAL AND
NON-STRUCTURAL CONTROL MEASURES MUST BE MAINTAINED
IN OPERATIONAL CONDITION.
- SEE SEMSWA STANDARD NOTES AND DETAILS (SHEET 1 OF 4)
FOR LEGEND OF CONTROL MEASURE NAMES AND SYMBOLS.
ANY CONTROL MEASURES SHOWN THAT REQUIRE GRADING,
(E.G. SEDIMENT BASINS, SEDIMENT TRAPS, CONCRETE
WASH-OUT AREAS, ETC.), SHALL NOT BE PLACED UNTIL AFTER
THE PRE-CONSTRUCTION MEETING AND ISSUANCE OF THE
GESC PERMIT, BUT MUST BE FULLY FUNCTIONAL PRIOR TO ANY
LARGE SCALE GRADING. THE INITIAL PLAN ILLUSTRATES EXISTING
CONDITIONS. NO PROPOSED INFRASTRUCTURE IS SHOWN.
- PRIOR TO IMPORT/EXPORT OF MATERIAL THE CONTRACTOR
MUST COORDINATE WITH THE SEMSWA STORMWATER
INSPECTOR. THE BORROW/FILL SITE IF WITHIN SEMSWA
BOUNDARIES, MAY REQUIRE APPROVED GESC PERMIT AND
PLANS/REPORT ADDITIONALLY. THE HAUL ROUTE, NUMBER OF
TRIPS, THE AMOUNT OF TRUCKS, ETC. WILL NEED TO BE
COORDINATED WITH THE SEMSWA INSPECTOR.
- CLEANING ASPHALT AND CONCRETE "TAILINGS" FROM SAWCUT
OPERATIONS SHALL UTILIZE A VACUUM-TYPE STREET SWEEPER,
A BRUSH STYLE STREET SWEEPER, OR MANUALLY USING
SHOVELS AND BROOMS. PAVEMENT SHALL NOT BE WASHED
WITH WATER AT ANY TIME UNLESS ALL WATER IS CONTAINED
AND COLLECTED. WATER SHALL NOT BE ALLOWED TO DRAIN
INTO STORM CONVEYANCES, ON OR OFF SITE.
- TEMPORARY OUTDOOR PORTA-POTTY SHOULD BE LOCATED ON
A STABILIZED SURFACE AND SECURED TO PREVENT TIPPING.

SEMSWA ACCEPTANCE BLOCK



0 20 40 80
SCALE: 1" = 40'

SEAL:

FOR AND ON BEHALF OF PROOF CIVIL CO.

REVISIONS		DESCRIPTION	
NO.	DATE	NO.	DATE
1	8/12/2022	1	8/12/2022
2	10/14/2022	2	10/14/2022
DATE	6/2/2022	DATE	6/2/2022
DRAWN BY:	WBP	DRAWN BY:	WBP
CHECKED BY:	MAA	CHECKED BY:	MAA

GESC PLAN - INITIAL

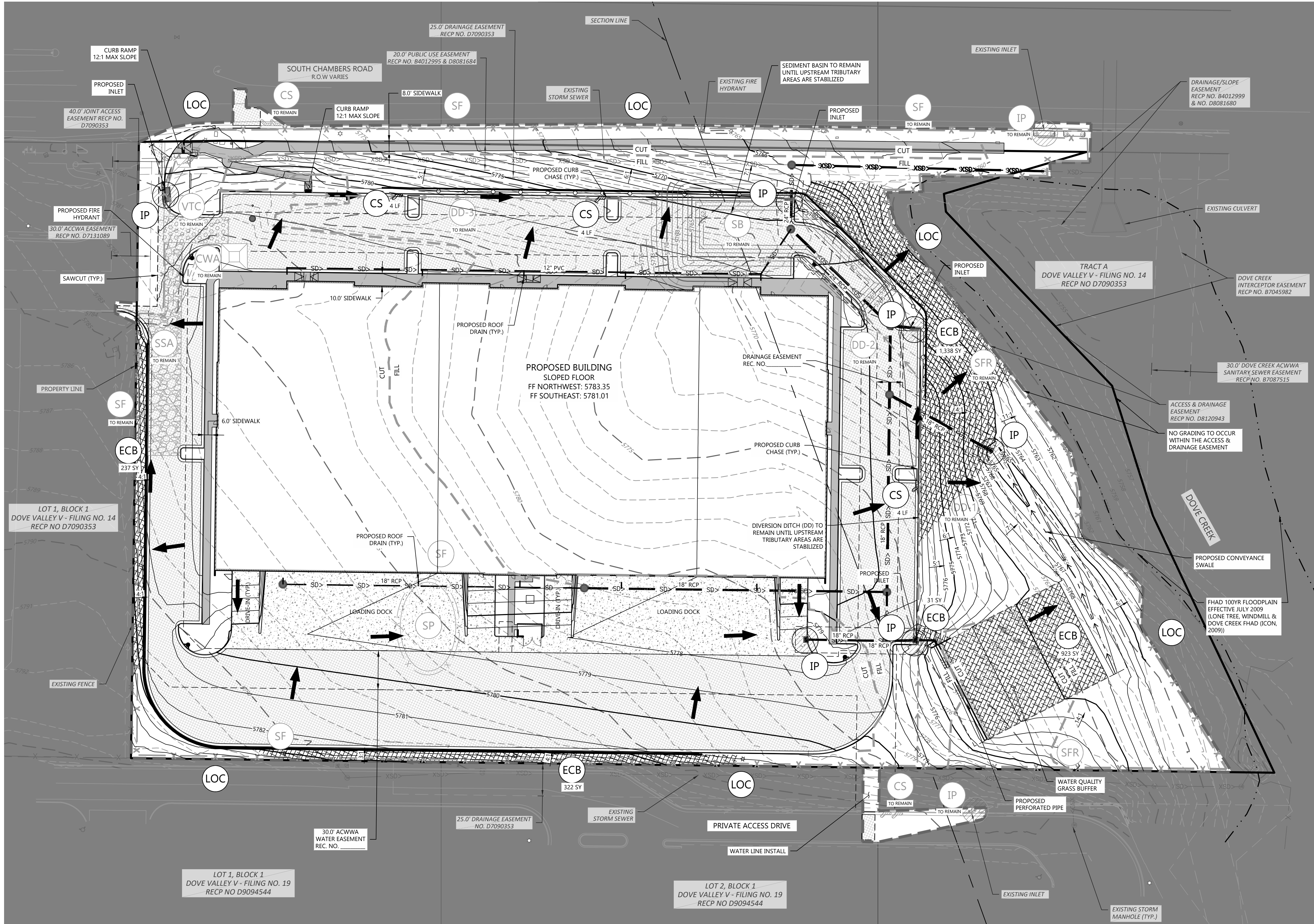
INNOVATE AT DOVE VALLEY
GESC PLANS

ENGLEWOOD

DRAWING NO.

2
2 OF 8

ENGINEERING & CONSTRUCTION DIVISION
THESE PLANS HAVE BEEN REVIEWED BY SEMSWA FOR GRADING,
EROSION, AND SEDIMENT CONTROL IMPROVEMENTS ONLY.



LEGEND:

BENCHMARK:

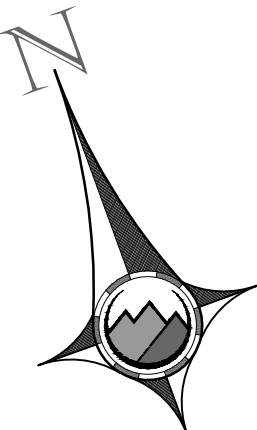
NOTES:

- 1. INSPECTION OF ALL EROSION CONTROL BMP'S SHALL BE REQUIRED AT THE END OF EACH DAY'S WORK, WITH NECESSARY MAINTENANCE AND REPAIRS PROVIDED IMMEDIATELY.
- 2. STORM DRAIN INLETS SHALL BE PROTECTED FROM THE ENTRY OF SEDIMENT-LADEN WATER UNTIL FINAL STABILIZATION IS COMPLETE.
- 3. APPROPRIATE CONTROL MEASURES MUST BE IMPLEMENTED PRIOR TO THE START OF LAND DISTURBANCE ACTIVITY. MUST CONTROL POTENTIAL POLLUTANTS DURING EACH PHASE OF CONSTRUCTION, AND MUST BE CONTINUED THROUGH FINAL STABILIZATION. APPROPRIATE STRUCTURAL AND NON-STRUCTURAL CONTROL MEASURES MUST BE MAINTAINED IN OPERATIONAL CONDITION.
- 4. SEE SEMSWA STANDARD NOTES AND DETAIL (SHEET 1 OF 4) FOR LEGEND OF NAMES AND SYMBOLS.
- 5. SHADED CONTROL MEASURES WERE INSTALLED IN THE INITIAL STAGE AND SHALL BE LEFT IN PLACE IN THE INTERIM STAGE UNLESS OTHERWISE NOTED.
- 6. CONTROL MEASURES, INCLUDING SEEDING AND MULCHING OF DISTURBED AREAS, MUST BE COMPLETED WITHIN 14 DAYS IF THE AREAS WILL REMAIN UNDISTURBED FOR A PERIOD GREATER THAN 30 DAYS.
- 7. ALL PROPOSED SLOPES ON THIS PLAN HAVE A MAXIMUM SLOPE OF 3:1. ANY SLOPES BETWEEN 3:1 AND 4:1 WILL REQUIRE THE USE OF EROSION CONTROL BLANKETS OR FLEXIBLE-GROWTH MEDIUM, AS APPROVED BY THE GESC INSPECTOR.
- 8. SEE CONSTRUCTION PLANS FOR DETAILS OF PERMANENT DRAINAGE FACILITIES SUCH AS DETENTION FACILITIES, WATER QUALITY FACILITIES, CULVERTS, STORM DRAINS, AND INLET AND OUTLET PROTECTION.
- 9. IF SITE RUNOFF ENTERS THE POST-CONSTRUCTION PERMANENT CONTROL MEASURE(S) HAVING TO BE RECONSTRUCTED IN ITS ENTIRETY, (WHERE APPLICABLE) REMOVAL OF SEDIMENT BASIN ON SITE SHALL ONLY OCCUR AFTER ALL AREAS TRIBUTARY TO THE SEDIMENT BASIN HAVE BEEN STABILIZED. REMOVAL MUST BE APPROVED BY THE GESC INSPECTOR.
- 10. PRIOR TO IMPORT/EXPORT OF MATERIAL THE CONTRACTOR MUST COORDINATE WITH THE SEMSWA STORMWATER INSPECTOR. THE BORROW/FILL SITE IF WITHIN SEMSWA BOUNDARIES, MAY REQUIRE APPROVED GESC PERMIT AND PLANS/REPORT ADDITIONALLY, THE HAUL ROUTE, NUMBER OF TRIPS, THE AMOUNT OF TRUCKS, ETC. WILL NEED TO BE COORDINATED WITH THE SEMSWA INSPECTOR.
- 11. CLEANING ASPHALT AND CONCRETE "TAILINGS" FROM SAWCUT OPERATIONS SHALL UTILIZE A VACUUM-TYPE STREET SWEEPER, A BRUSH STYLE STREET SWEEPER, OR MANUALLY USING SHOVELS AND BROOMS. PAVEMENT SHALL NOT BE WASHED WITH WATER AT ANY TIME UNLESS ALL WATER IS CONTAINED AND COLLECTED. WATER SHALL NOT BE ALLOWED TO DRAIN INTO STORM CONVEYANCES, ON OR OFF SITE.
- 12. TEMPORARY OUTDOOR PORTA-POTTY SHOULD BE LOCATED ON A STABILIZED SURFACE AND SECURED TO PREVENT TIPPING.

CUT FILL TABLE

TOTAL CUT (CY)	TOTAL FILL (CY)	HARDSCAPE IMPORT (CY)	NET CUT/FILL (CY)
21,676	27,513	5,898 (8" HARDSCAPE FILL)	61 CUT

SEMSWA ACCEPTANCE BLOCK



SCALE: 1" = 40'

SEAL:

FOR AND ON BEHALF OF PROOF CIVIL CO.

REVISIONS

NO.	DATE	DESCRIPTION
1	8/12/2022	SEMSWA COMMENTS
2	10/14/2022	COUNTY COMMENTS

PROJ. NO.: 22031

DATE: 6/2/2022

DRAWN BY: WBP

CHECKED BY: MAA

CO

GESC PLAN - INTERIM

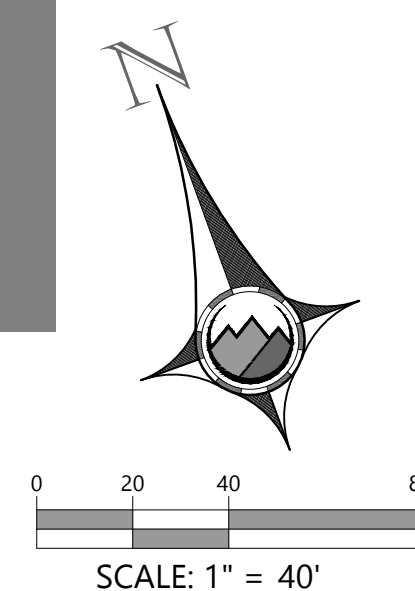
INNOVATE AT DOVE VALLEY GESC PLANS

ENGLEWOOD

DRAWING NO.

3

3 OF 8




ENGINEERING & CONSTRUCTION DIVISION

THESE PLANS HAVE BEEN REVIEWED BY SEMSWA FOR GRADING,
EROSION, AND SEDIMENT CONTROL IMPROVEMENTS ONLY.

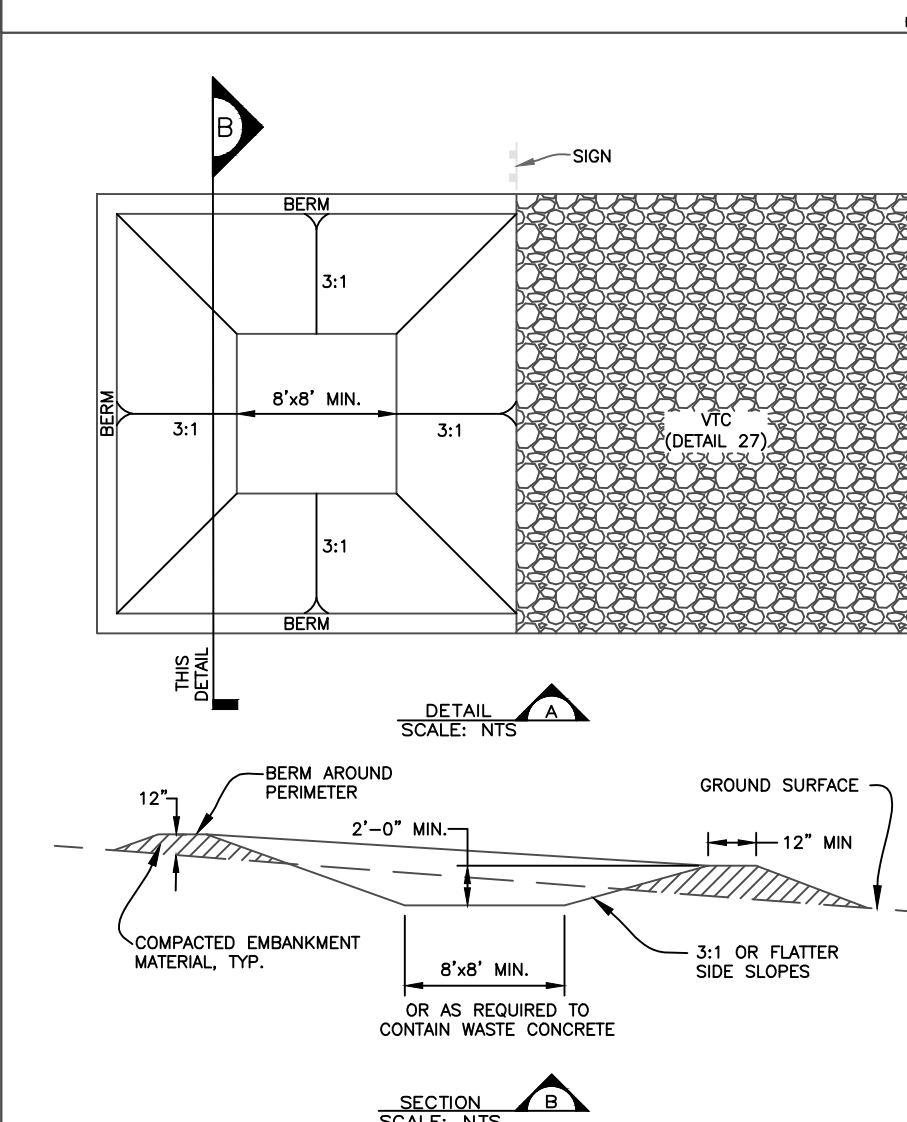
1. INSPECTION OF ALL EROSION CONTROL BMP'S SHALL BE REQUIRED AT THE END OF EACH DAY'S WORK WITH NECESSARY MAINTENANCE AND REPAIRS PROVIDED IMMEDIATELY.
2. STORM DRAIN INLETS SHALL BE PROTECTED FROM THE ENTRY OF SEDIMENT-LADEN WATER UNTIL FINAL STABILIZATION IS COMPLETE.
3. APPROPRIATE CONTROL MEASURES MUST BE IMPLEMENTED PRIOR TO THE START OF LAND DISTURBANCE ACTIVITY. MUST CONSIDER POTENTIAL FOR EROSION AND MUST BE MAINTAINED THROUGHOUT CONSTRUCTION, AND MUST BE CONTINUED THROUGH FINAL STABILIZATION. APPROPRIATE STRUCTURAL AND NON-STRUCTURAL CONTROL MEASURES MUST BE MAINTAINED THROUGHOUT CONSTRUCTION.
4. USE SEMSWA STANDARD NOTES AND DETAILS (SHEET 1 OF 4) FOR SHADED CONTROL. MEASURE NAMES AND SYMBOLS. SHADED CONTROL MEASURES WERE INSTALLED IN THE INITIAL STAGE OF THE GESC PLAN. ANY OTHER CHANGES TO THE INITIAL PLAN SHALL BE LEFT IN PLACE UNTIL APPROVED BY THE GESC INSPECTOR.
5. ALL INTERIM CONTROL MEASURES, INCLUDING SEEDING AND MULCHING OF DISTURBED AREAS, MUST BE COMPLETED WITHIN 14 DAYS IF THE AREAS WILL REMAIN UNDISTURBED FOR A PERIOD GREATER THAN 30 DAYS.
6. ALL PROPOSED SLOPES ON THIS PLAN HAVE A MAXIMUM SLOPE OF 3:1. SLOPES BETWEEN 3:1 AND 4:1 WILL REQUIRE THE USE OF EROSION CONTROL, BLANKETS OR FLEXIBLE GROWTH MEDIUM, AS APPROVED BY THE GESC INSPECTOR.
7. SEE CONSTRUCTION PLANS FOR DETAILS OF PERMANENT EROSION FACILITIES INCLUDING EROSION CONTROL STRUCTURES, WATER QUALITY FACILITIES, CULVERTS, STORM DRAINS, AND INLET AND OUTLET PROTECTION.
8. ANY EROSION OF POST-CONSTRUCTION PERMANENT CONTROL MEASURES WILL NOT OCCUR UNTIL ALL TRIBUTARY AREAS TO THE PERMANENT CONTROL MEASURES ARE FINAL STABILIZED.
9. TEMPORARY OUTDOOR PORTA-POTTOS MUST BE LOCATED ON A STABILIZED SURFACE AND SECURED TO PREVENT TIPPING.

SEMSWA ACCEPTANCE BLOCK

<div>DRAWING NO.</div> <div>4</div> <div>4 OF 8</div>		<div>GESC PLANS - FINAL</div> <div>INNOVATE AT DOVE VALLEY</div> <div>GESC PLANS</div> <div>ENGLEWOOD</div> <div>CO</div>		PROJ. NO.:	22031		REVISIONS		SEAL:	
				DATE:	6/2/2022		NO.	DESCRIPTION		
				DRAWN BY:	WBP		1	8/12/2022 SEMSWA COMMENTS		
				CHECKED BY:	MAA		2	10/14/2022 COUNTY COMMENTS		
FOR AND ON BEHALF OF PROOF CIVIL CO.										
								<div>PROOFCIVIL</div> <div>consulting engineers</div> <div>600 Grant Street Suite 210 Denver, CO</div>		

- GRADING, EROSION, AND SEDIMENT CONTROL (GESC) GENERAL NOTES**
- THE SOUTHEAST METRO STORMWATER AUTHORITY (SEMSWA) LAND DEVELOPMENT REVIEW MANAGER SIGNATURE AFFIXED TO THIS DOCUMENT INDICATES SEMSWA HAS REVIEWED THE DOCUMENT AND FOUND IT IN GENERAL COMPLIANCE WITH CENTENNIAL'S LAND DEVELOPMENT CODE AND/OR THE GRADING, EROSION AND SEDIMENT CONTROL (GESC) MANUAL. THE LAND DEVELOPMENT REVIEW MANAGER THROUGH ACCEPTANCE OF THIS DOCUMENT, ASSUMES NO RESPONSIBILITY (OTHER THAN AS STATED ABOVE) FOR THE COMPLETENESS AND/OR ACCURACY OF THESE DOCUMENTS.
 - THE ADEQUACY OF THIS GESC PLAN LIES WITH THE ORIGINAL DESIGN ENGINEER. CHANGES TO DESIGN INTENT THAT MEET THE DEFINITION OF MAJOR MODIFICATIONS MUST GO THROUGH ORIGINAL DESIGN ENGINEER.
 - THE GESC PLAN SHALL BE CONSIDERED VALID FOR TWO (2) YEARS FROM THE DATE OF ACCEPTANCE BY SEMSWA. AFTER WHICH TIME THE PLAN SHALL BE VOID AND WILL BE SUBJECT TO RE-REVIEW AND RE-ACCEPTANCE BY SEMSWA. PLANS MUST CONFORM TO CURRENT REQUIREMENTS.
 - ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY SEMSWA'S INSPECTION DIVISION. SEMSWA RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO THE GESC MANUAL, GESC PLAN OR GESC PERMIT.
 - THE PLACEMENT OF EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE ACCEPTED GESC PLAN AND THE SEMSWA GESC MANUAL.
 - ANY VARIATION IN MATERIAL, TYPE OR LOCATION OF EROSION AND SEDIMENT CONTROL MEASURES FROM THE SEMSWA - ACCEPTED GESC PLAN WILL REQUIRE APPROVAL FROM AN ACCOUNTABLE REPRESENTATIVE OF SEMSWA.
 - UPON RECEIVING THE APPROVED, SIGNED AND STAMPED GESC PLANS AND REPORT, THE CONTRACTOR MAY INSTALL THE NON-EARTH DISTURBING INITIAL-STAGE EROSION AND SEDIMENT CONTROL MEASURES INDICATED ON THE ACCEPTED GESC PLAN.
 - AFTER INSTALLATION OF THE INITIAL-STAGE EROSION AND SEDIMENT CONTROL MEASURES, THE PERMITTEE SHALL CALL THE INSPECTION DIVISION TO SCHEDULE A PRECONSTRUCTION MEETING AT THE PROJECT SITE. THE REQUEST SHALL BE MADE NO LESS THAN 24 HOURS PRIOR TO THE REQUESTED MEETING TIME. NO CONSTRUCTION ACTIVITIES SHALL BE PLANNED WITHIN 24 HOURS AFTER THE PRECONSTRUCTION MEETING.
 - IN ADDITION TO THE SEMSWA INSPECTOR AND GESC MANAGER, THE FOLLOWING REPRESENTATIVES SHOULD ATTEND: GENERAL CONTRACTOR, OWNER, OR OWNER'S REPRESENTATIVE AND GRADING SUBCONTRACTOR. IF ANY OF THE REQUIRED PARTICIPANTS FAIL TO ATTEND THE PRECONSTRUCTION MEETING, OR IF THE INSTALLATION OF THE INITIAL CONTROL MEASURES ARE NOT APPROVED BY THE SEMSWA INSPECTOR, THE APPLICANT WILL HAVE TO PAY A RESURRECTION FEE. ADDRESS ANY PROBLEMS WITH CONTROL MEASUREMENTS, INSTALLATION, AND CALL TO RESCHEDULE THE MEETING, WITH A CORRESPONDING DELAY IN THE START OF CONSTRUCTION.
 - CONSTRUCTION SHALL NOT BEGIN UNTIL THE SEMSWA INSPECTOR APPROVES THE INSTALLATION OF THE INITIAL CONTROL MEASURES AND THE APPROVED GESC PERMIT HAS BEEN ISSUED BY SEMSWA AND IS IN-HAND ON THE SITE. THE COMPLETED PERMIT WILL GENERALLY BE FIELD ISSUED OR ISSUED VIA EMAIL AFTER THE INSTALLATION OF THE INITIAL CONTROL MEASURES ARE APPROVED.
 - THE GESC MANAGER SHALL STRICTLY ADHERE TO THE SEMSWA APPROVED LIMITS OF CONSTRUCTION AT ALL TIMES. THE SEMSWA INSPECTION DIVISION MUST APPROVE ANY CHANGE TO THE LIMITS OF CONSTRUCTION AND, AT THE DISCRETION OF THE INSPECTION DIVISION, ADDITIONAL EROSION/SEDIMENT CONTROLS MAY BE REQUIRED IN ANY ADDITIONAL AREAS OF CONSTRUCTION/DISTURBANCE ARE NEEDED.
 - THE MAXIMUM AREA OF CONSTRUCTION SHALL BE LIMITED TO 40 ACRES (70 ACRES IF APPROVED FOR SOIL MITIGATION OPERATIONS) TO REDUCE THE AMOUNT OF LAND DISTURBED AT ANY ONE TIME. LARGER SITES SHALL BE DIVIDED INTO PHASES THAT ARE EACH 40 (OR 70) ACRES OR LESS IN SIZE. THESE PROJECTS SHALL CONDUCT GRADING ACTIVITIES IN ACCORDANCE WITH THE ACCEPTED GESC PLAN, CONTROL MEASURE INSTALLATION AND APPROVAL BY SEMSWA AT THE START AND COMPLETION OF EACH PHASE SHALL BE CONDUCTED IN ACCORDANCE WITH THE PROCEDURES OUTLINED IN THE GESC MANUAL.
 - NATURAL VEGETATION SHALL BE RETAINED AND PROTECTED WHEREVER POSSIBLE. EXPOSURE OF SOIL TO EROSION BY REMOVAL OR DISTURBANCE OF VEGETATION SHALL BE LIMITED TO THE AREA REQUIRED FOR IMMEDIATE CONSTRUCTION OPERATIONS.
 - THE GESC PERMIT SHALL BE VALID FOR A PERIOD OF TWO (2) YEARS.
 - A COPY OF THE GESC PERMIT AND APPROVED GESC PLANS SHALL BE ON SITE OR MADE AVAILABLE UPON REQUEST.
 - THE GESC MANAGER SHALL BE RESPONSIBLE PARTY FOR ENSURING THAT THE SITE REMAINS IN COMPLIANCE WITH THE GESC PERMIT AND SHALL BE THE PERMITTEE'S CONTACT PERSON WITH SEMSWA FOR ALL MATTERS PERTAINING TO THE GESC PERMIT. THE GESC MANAGER SHALL BE ON THE SITE DURING THE INSTALLATION OF THE GESC REQUIREMENTS ARE BEING IMPLEMENTED, AND (ALONG WITH THE ALTERNATE GESC MANAGER) SHALL PROVIDE SEMSWA WITH A 24-HOUR EMERGENCY CONTACT NUMBER. IN THE EVENT OF AN EMERGENCY, THE GESC MANAGER IS NOT ON SITE AND CANNOT BE REACHED DURING A VIOLATION, THE ALTERNATE GESC MANAGER SHALL BE CONTACTED. IF NEITHER THE GESC MANAGER NOR ALTERNATE GESC MANAGER CAN BE CONTACTED DURING ANY VIOLATION, WITHIN 24 HOURS, VIOLATION MAY BE ISSUED TO THE PERMITTEE(S).
 - ALL CONSTRUCTION TRAFFIC MUST EXIT THE SITE THROUGH THE SEMSWA-APPROVED ACCESS POINT. A VEHICLE TRACKING CONTROL PAD IS REQUIRED AT ALL EXIT POINTS ON THE SITE. ADDITIONAL STABILIZED CONSTRUCTION ENTRANCES MAY BE ADDED WITH AUTHORIZATION FROM THE SEMSWA INSPECTION DIVISION.
 - THE GESC MANAGER IS RESPONSIBLE FOR CLEANUP OF SEDIMENT OR CONSTRUCTION DEBRIS TRACKED ONTO ADJACENT PAVED AREAS. PAVED AREAS INCLUDING STREETS ARE TO BE KEPT CLEAN THROUGHOUT BUILD-OUT AND SHALL BE CLEANED WITH A STREET SWEEPER OR SIMILAR DEVICE. AT FIRST NOTICE OF ACCIDENTAL TRACKING OR AT THE DISCRETION OF THE SEMSWA GESC INSPECTOR, STREET WASHING IS NOT ALLOWED. SEMSWA RESERVES THE RIGHT TO REQUIRE ADDITIONAL MEASURES TO ENSURE AREA STREETS ARE KEPT FREE OF SEDIMENT AND/OR CONSTRUCTION DEBRIS.
 - APPROVED EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND KEPT IN GOOD REPAIR FOR THE DURATION OF THIS PROJECT. AT A MINIMUM, THE GESC MANAGER SHALL INSPECT ALL CONTROL MEASURES IN ACCORDANCE WITH THE GESC PLAN AND GESC MANUAL. ALL NECESSARY MAINTENANCE AND REPAIR ACTIVITIES SHALL BE COMPLETED WITHIN 48 HOURS. ACCUMULATED SEDIMENT AND CONSTRUCTION DEBRIS SHALL BE REMOVED AND PROPERLY DISPOSED.
 - STRAW BALES ARE NOT A SEMSWA GESC-ACCEPTED SEDIMENT CONTROL MEASURE.
 - TOPSOIL SHALL BE STRIPPED AND STOCKPILED IN THE LOCATION SHOWN ON THE ACCEPTED GESC PLAN. THE TOPSOIL STOCKPILE(S) SHALL FOLLOW ALL STOCKPILING CRITERIA DESCRIBED IN THE GESC MANUAL. TOPSOIL SHALL BE REPLACED AT A MINIMUM DEPTH OF 6 INCHES. IF A MAXIMUM DEPTH OF 6 INCHES CAN NOT BE OBTAINED, ADDITIONAL TOPSOIL, AND/OR APPROVED SOIL AMENDMENTS WILL BE REQUIRED TO BE PLACED PRIOR TO SEEDING AND MULCHING.
 - THE ACCEPTED GESC PLAN MAY REQUIRE CHANGES OR ALTERATIONS AFTER APPROVAL TO MEET CHANGING SITE OR PROJECT CONDITIONS OR TO ADDRESS INSISTENCES IN DESIGN OR INSTANCES WHERE THE GESC MANAGER SHALL OBTAIN PRIOR APPROVAL FOR MAJOR MODIFICATIONS FROM THE DESIGN ENGINEER AND SEMSWA FOR ANY PROPOSED CHANGES.
 - LINING OF TEMPORARY SWALES AND DITCHES SHALL BE IN ACCORDANCE WITH THE GESC MANUAL.
 - ANY SETTLEMENT OR SOIL ACCUMULATIONS BEYOND THE LIMITS OF CONSTRUCTION DUE TO GRADING OR EROSION SHALL BE REPAIRED IMMEDIATELY BY THE GESC MANAGER. THE GESC MANAGER SHALL BE HELD RESPONSIBLE FOR OBTAINING ACCESS TO ADJACENT PROPERTY, IF NEEDED, AND REMEDIATING ANY ADVERSE IMPACTS TO ADJACENT WATERWAYS, WETLANDS, PROPERTIES, ETC. RESULTING FROM WORK DONE AS PART OF THIS PROJECT.
 - A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
 - SOILS THAT WILL BE STOCKPILED FOR MORE THAN THIRTY (30) DAYS SHALL BE SEEDED AND MULCHED WITHIN FOURTEEN (14) DAYS OF STOCKPILE CONSTRUCTION. NO STOCKPILES SHALL BE PLACED WITHIN ONE HUNDRED (100) FEET OF A DRAINAGE WAY UNLESS APPROVED BY SEMSWA.
 - ALL CHEMICAL OR HAZARDOUS MATERIAL SPILLS WHICH MAY AFFECT WATERS OF THE STATE OF COLORADO, WHICH INCLUDE BUT ARE NOT LIMITED TO: SURFACE WATER, GROUND WATER AND DRY CREEKS OR STORM SEWER LEADING TO SURFACE WATER, SHALL BE IMMEDIATELY REPORTED TO THE COPIE PER CRS 25-8-601, AND SEMSWA. RELEASES OF PETROLEUM PRODUCTS AND CERTAIN HAZARDOUS SUBSTANCES LISTED UNDER THE FEDERAL CLEAN WATER ACT (40 CFR PART 116) MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER AS WELL AS THE COPIE. CONTACT INFORMATION FOR COPIE, SEMSWA AND THE NATIONAL RESPONSE CENTER CAN BE FOUND IN APPENDIX A. SPILLS THAT POSE AN IMMEDIATE RISK TO HUMAN LIFE SHALL BE REPORTED TO 911. FAILURE TO REPORT AND CLEAN UP ANY SPILL SHALL RESULT IN ISSUANCE OF A STOP WORK ORDER. TO REPORT SPILLS TO SEMSWA CALL 303-858-8844.
 - ALL WORK ON SITE SHALL STAY A MINIMUM OF ONE HUNDRED (100) FEET AWAY FROM ANY DRAINAGE WAY, WETLAND, ETC. UNLESS OTHERWISE NOTED ON AN ACCEPTED SEMSWA GESC PLAN.
 - THE USE OF REBAR, STEEL, STAKES STAPLES, OR STEEL FENCE POSTS FOR STAKING OR SUPPORT OF ANY EROSION OR SEDIMENT CONTROL MEASURE IS PROHIBITED (EXCEPT STEEL TEE-POSTS FOR USE IN SUPPORTING CONSTRUCTION FENCE).
 - THE CLEANING OF CONCRETE DELIVERY TRUCK CHUTES IS RESTRICTED TO APPROVED CONCRETE WASH OUT LOCATIONS ON THE JOB SITE. THE DISCHARGE OF WATER CONTAINING WASTE CONCRETE TO THE STORM SEWER SYSTEM IS PROHIBITED. ALL CONCRETE WASTE SHALL BE PROPERLY CLEANED UP AND DISPOSED AT AN APPROPRIATE LOCATION.
 - ALL DEWATERING ON SITE SHALL BE COORDINATED WITH A SEMSWA GESC INSPECTOR AND BE FREE OF SEDIMENT IN ACCORDANCE WITH THE GESC MANUAL, AND STATE OF COLORADO DEWATERING PERMIT.
 - ALL PERMANENT INSTALLATIONS OF PIPES FOR STORM SEWERS, SLOPE DRAINS, AND CULVERTS, TOGETHER WITH RIPRAP APRONS OR OTHER INLET AND OUTLET PROTECTION, REQUIRE INSPECTION BY SEMSWA (SEPARATE FROM GESC INSPECTIONS).
 - ALL DISTURBED AREAS SHALL BE STABILIZED IN ACCORDANCE WITH THE GESC MANUAL WITHIN 14 DAYS OF SUBSTANTIAL COMPLETION OF GRADING, INCLUDING AREAS TO REMAIN DORMANT FOR LONGER THAN 30 DAYS, WHEREVER IS LESS. THIS MAY REQUIRE MULTIPLE MOBILIZATIONS FOR SEEDING AND MULCHING.
 - HYDRO-MULCHING IS NOT AN ACCEPTABLE METHOD OF SEEDING WITHIN THE SEMSWA SERVICE AREA.
 - HYDRO-MULCH MAY BE USED FOR LIMITED APPLICATIONS AS APPROVED BY SEMSWA.
 - UTILITY LINE INSTALLATION SHALL COMPLY WITH THE FOLLOWING CRITERIA:
 - ALL UTILITY WORK WITHIN A CITY OF CENTENNIAL RIGHT-OF-WAY SHALL BE REQUIRED TO OBTAIN A CITY OF CENTENNIAL RIGHT-OF-WAY USE AND CONSTRUCTION PERMIT IN ACCORDANCE WITH THE APPROPRIATE STANDARDS.
 - PROVIDE ADEQUATE EROSION AND SEDIMENT CONTROLS.
 - AT THE END OF A WORK DAY, ALL EXCAVATIONS LEFT OPEN AND BACKFILL MUST BE COMPLETED TO GRADE.
 - WHERE CONSISTENT WITH SAFETY AND SPACE CONSIDERATIONS, EXCAVATED MATERIAL IS TO BE PLACED ON THE UPHILL SIDE OF TRENCHES.
 - AT NO TIME SHALL EXCAVATED MATERIAL BE PLACED ON THE STREET.
 - FRENCH DEWATERING DEVICES MUST DISCHARGE IN A MANNER THAT WILL NOT EFFECT STREAMS, WETLANDS, DRAINAGE SYSTEMS, OR OFF-SITE PROPERTY. DISCHARGE FROM TRENCH SHALL BE FREE OF ANY SEDIMENT. A RIPRAP PAD SHALL BE PLACED AT THE DISCHARGE END OF THE HOSE TO PREVENT ANY ADVERSE IMPACTS.
 - STORM SEWER INLET PROTECTION SHALL BE PROVIDED WHENEVER SOIL EROSION FROM THE EXCAVATED AREA HAS THE POTENTIAL OF ENTERING THE STORM DRAINAGE SYSTEM.
 - ALL DISTURBED AREAS SHALL BE DRILL SEEDED AND CRIMP MULCHED WITHIN FIVE DAYS AFTER UTILITY INSTALLATION IS COMPLETED.
 - ALL OTHER APPLICABLE CRITERIA AS OUTLINED IN THE GESC MANUAL.
 - ALL SINGLE-FAMILY RESIDENTIAL DEVELOPMENT PROJECTS SHALL COMPLY WITH THE GESC CRITERIA AS PRESENTED IN THE GESC MANUAL.
 - NO RECYCLED ASPHALT SHALL BE USED AS A CONTROL MEASURE. RECYCLED CONCRETE MUST BE APPROVED BY SEMSWA.
 - SEMSWA MAY ALLOW THE INSTALLATION OF ALTERNATIVE CONTROL MEASURES OTHER THAN THE GESC PLAN STANDARD NOTES AND DETAILS. IF ALTERNATIVE EROSION AND SEDIMENT CONTROL MEASURES WILL BE USED, OUT SHEETS MUST BE SUBMITTED TO THE SEMSWA INSPECTOR.
 - IF YOU ARE EXPORTING EXCESS DIRT WITHIN THE SEMSWA SERVICE AREA, YOU WILL BE REQUIRED TO OBTAIN A GESC PERMIT FOR THE SECONDARY SITE.

DETAIL NO.	SHEET NO.	LEGEND
1	1	CBC CUT BACK CURB
2	1	CD CHECK DAM
3	1	CWA CONCRETE WASHOUT AREA
4	1	CF CONSTRUCTION FENCE
5	1	CM CONSTRUCTION MARKERS
6	1	CS CURB SOCK
7	1	DW DEWATERING
8	2	DD DIVERSION DITCH
9	2	ECB EROSION CONTROL BLANKET
10	2	FGM FLEXIBLE GROWTH MEDIUM
11	2	GMS GROUT MIXING STATION
12	2	IP INLET PROTECTION
13	2	RCD REINFORCED CHECK DAM
14	2	RRB REINFORCED ROCK BERM
15	2	RRR RRB FOR CULVERT PROTECTION
16	3	SB SEDIMENT BASIN
17	3	SCL SEDIMENT CONTROL LOG
18	3	ST SEDIMENT TRAP
19	3	SM SEEDING AND MULCHING
20	3	SF SILT FENCE
21	3	SFR SILT FENCE REINFORCED
22	4	SID SLOPE INTERCEPT DITCH
23	4	SSA STABILIZED STAGING AREA
24	4	SR SURFACE ROUGHENING
25	4	TSD TEMPORARY SLOPE DRAIN
26	4	TSC TEMPORARY STREAM CROSSING
27	4	VTC VEHICLE TRACKING CONTROL
28	4	VWC VTC WITH WHEEL WASH
		LOC ROCK AND RIPRAP GRADATIONS LIMITS OF CONSTRUCTION
		EG MAY MEET MAJOR MODIFICATION REQUIREMENTS



- CONCRETE WASHOUT AREA INSTALLATION NOTES**
- SEE PLAN VIEW FOR LOCATIONS OF CONCRETE WASHOUT AREA.
 - THE CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.
 - VEHICLE TRACKING CONTROL (VTC) (DETAIL 27) IS REQUIRED AT THE ACCESS POINT. THE VTC CAN BE REMOVED AT THE DISCRETION OF THE SEMSWA INSPECTOR.
 - SIGNS SHALL BE PLACED AT THE WASHOUT AREA, AND MAY BE ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT AREA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
 - EXCAVATED MATERIAL MAY BE UTILIZED IN PERIMETER BERM CONSTRUCTION.
 - CONCRETE WASHOUT MUST BE LINED IN AREAS WITH HIGH GROUNDWATER. LINERS MUST BE 30 MIL OR GREATER.
- CONCRETE WASHOUT AREA MAINTENANCE NOTES**
- THE CONCRETE WASHOUT AREA SHALL BE REPAIRED AND ENLARGED OR CLEANED OUT AS NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE.
 - AS NEEDED DURING CONSTRUCTION, AND AT THE END OF CONSTRUCTION, ALL CONCRETE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED WASTE SITE.
 - WHEN THE CONCRETE WASHOUT AREA IS REMOVED, THE DISTURBED AREA SHALL BE DRILL SEEDED AND CRIMP MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY SEMSWA.

- CONSTRUCTION FENCE MAINTENANCE NOTES**
- ANY DAMAGED FENCE OR MARKERS SHALL BE REPAIRED ON A DAILY BASIS.
 - FENCE OR MARKERS SHALL BE REMOVED AT THE END OF CONSTRUCTION, IF ANY DISTURBED AREA EXISTS AFTER FENCE REMOVAL, IT SHALL BE DRILL SEEDED AND CRIMP MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY SEMSWA.

GENERAL NOTE:

USE OF PROPRIETARY CONCRETE WASHOUT SYSTEM MAY BE CONSIDERED IF APPROVED BY SEMSWA INSPECTOR PRIOR TO USE.



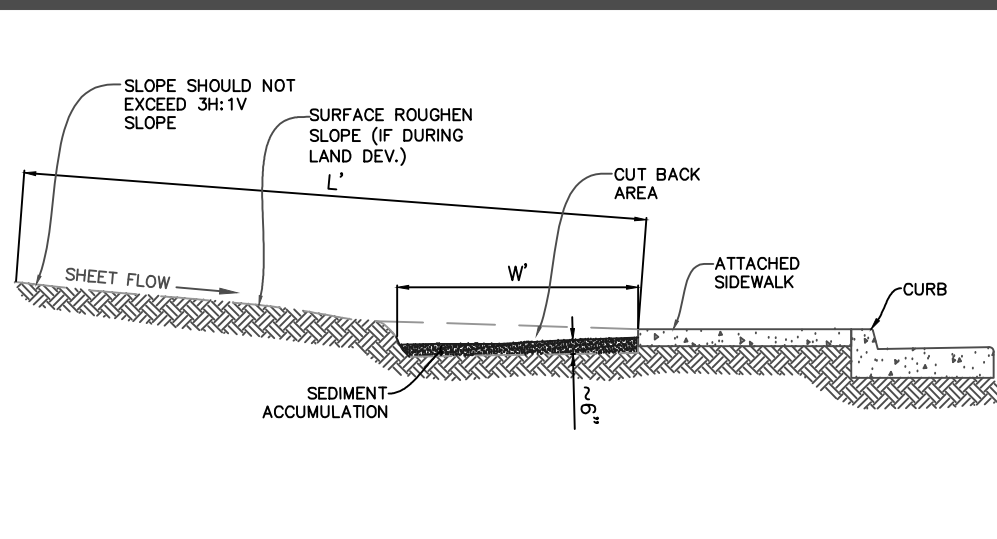
ROCK AND RIPRAP GRADATIONS

TABLE 1. RIPRAP GRADATIONS				
D50 MEDIAN STONE SIZE (INCHES)	% OF MATERIAL SMALLER THAN TYPICAL STONE	TYPICAL STONE EQUIVALENT DIAMETER (INCHES)	TYPICAL STONE WEIGHT (POUNDS)	
6	70 - 100 50 - 70 35 - 50 2 - 10	12 9 6 3	85 35 10 1.3	
9	70 - 100 50 - 70 35 - 50 2 - 10	15 12 9 3	160 85 35 1.3	
12	70 - 100 50 - 70 35 - 50 2 - 10	21 18 12 4	440 275 180 3	
18	100 50 - 70 35 - 50 2 - 10	30 24 18 6	1280 650 275 10	
24	100 50 - 70 35 - 50 2 - 10	42 33 24 9	3500 1700 850 35	

TABLE 2. RIPRAP BEDDING

SIEVE SIZE	MASS PERCENT PASSING SQUARE MESH SIEVES	CLASS A	
		NO. 4	NO. 200
3"		100	
1 1/2"		20 - 90	
NO. 4		0 - 20	
NO. 200		0 - 3	

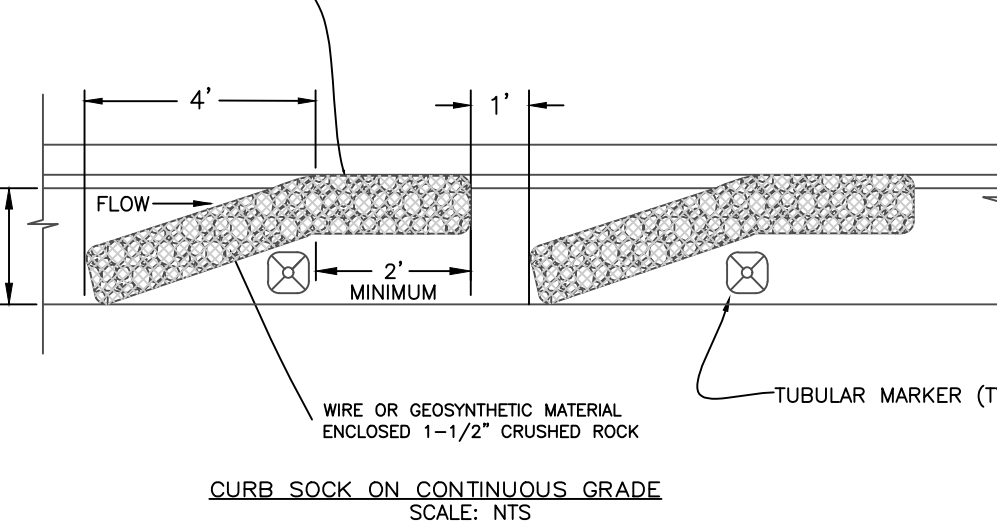
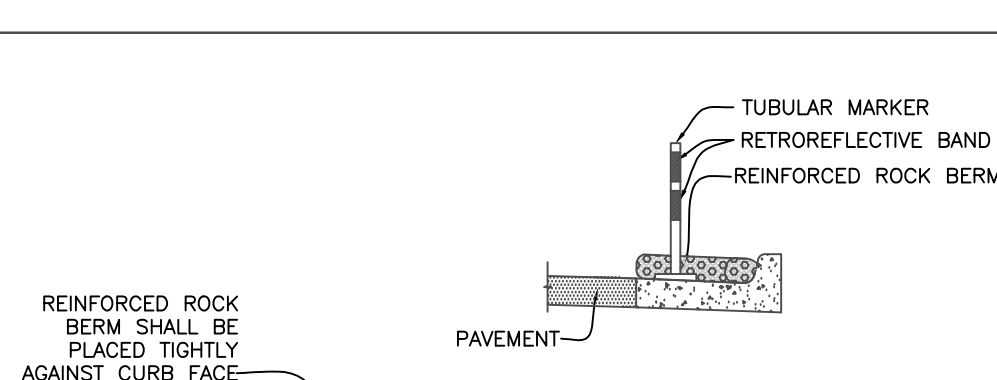
MATCHES SPECIFICATIONS FOR COOT CLASS A FILTER MATERIAL AND LIFT TYPE 1. BEDDING ALL ROCK SHALL BE FRACTURED FACE, ALL SIDES.



LENGTH (L) OF DISTURBED AREA PERPENDICULAR TO CURB (FT)	AREA PER FT. OF DISTURBED LENGTH (FT²)	DEPTH OF CURB CUT (D) (IN)	DEPTH OF CURB CUT (D) (FT)	REQUIRED STORAGE VOLUME (FT³/ACRE)	REQUIRED MIN. WIDTH (W) OF CURB CUT BACK (FT)
20	20	6	0.50	1800	0.0413
30	30	6	0.50	1800	0.0413
40	40	6	0.50	1800	0.0413
50	50	6	0.50	1800	0.0413
60	60	6	0.50	1800	0.0413
70	70	6	0.50	1800	0.0413
80	80	6	0.50	1800	0.0413
90	90	6	0.50	1800	0.0413
100	100	6	0.50	1800	0.0413

1. FROM DOUGLAS COUNTY, GRADING, EROSION, AND SEDIMENT CONTROL MANUAL SEDIMENT TRAP STORAGE VOLUME REQUIREMENT.

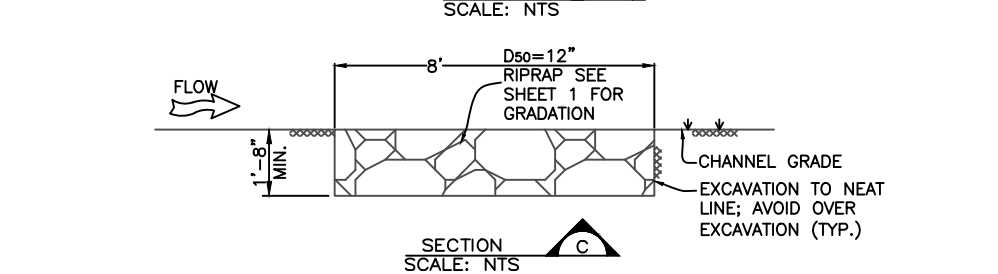
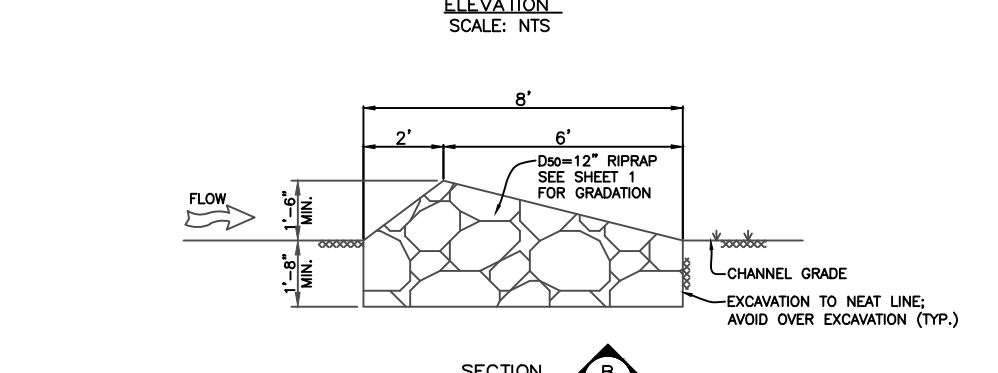
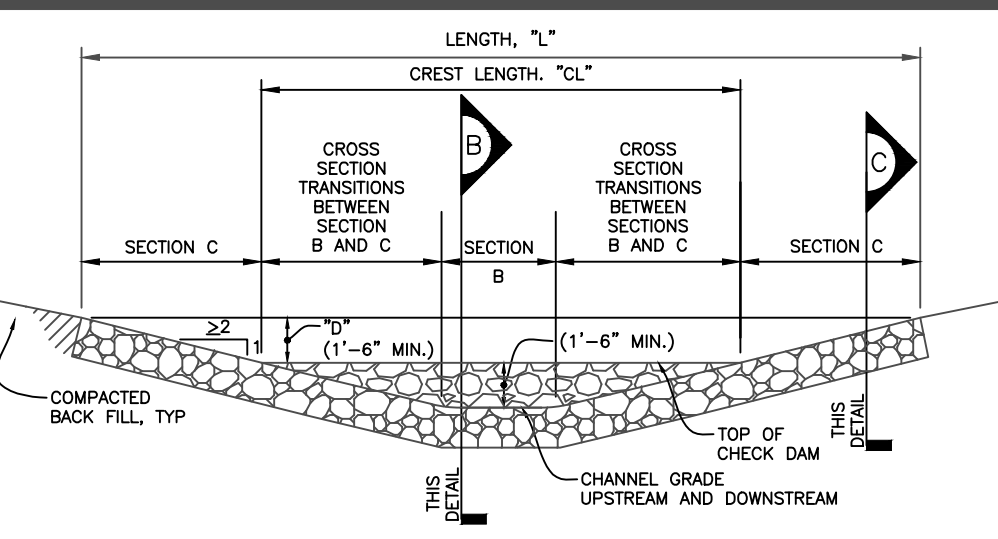
- DESCRIPTION AND PURPOSE**
- A TEMPORARY SEDIMENT BARRIER AND TRAP FORMED BY EXCAVATION BEHIND CURB OR SEWAL TO RETAIN SEDIMENT ON SITE DURING CONSTRUCTION.
- SUITABLE APPLICATIONS**
- DURING LAND DEVELOPMENT AFTER PAVING OR DURING VERTICAL CONSTRUCTION.
 - USE IN TREE LANS OR IN LANDSCAPE ISLAND.
 - USE SURFACE ROUGHENING ON UPGRADE SLOPES IF DURING LAND DEVELOPMENT.
- LIMITATIONS**
- NOT FOR USE EXCEEDING 3:1 V/S SLOPES.
 - NOT FOR USE FOR CONCENTRATED FLOW AREAS.
 - PROLONGED STANDING WATER MAY AFFECT SUB-BASE OF PAVING AND COULD CAUSE SOIL TO SETTLE AND POTENTIALLY DAMAGE CONCRETE.
- INSPECTION AND MAINTENANCE**
- THE GESC MANAGER SHALL INSPECT AS NECESSARY TO ENSURE THE ADEQUACY AND FUNCTIONALITY OF THE CONTROL MEASURE.
 - REMOVE ACCUMULATED SEDIMENT WHEN 1/2 CAPACITY, DO NOT ALLOW SEDIMENT TO OVERFLOW ONTO CURB OR SIDEWALK.
 - IMPLEMENT ADDITIONAL CONTROL MEASURES SUCH AS DOWNGRADIENT SEDIMENT CONTROL, WATLES, CURB CHECKS, OR OTHER BARRIERS AS ON-SITE CONDITIONS REQUIRE.



- CURB SOCK INSTALLATION NOTES**
- ADDITIONAL CURB SOCKS MAY BE REQUIRED AS DIRECTED BY SEMSWA.
 - CURB SOCKS IN STREETS SHALL BE INSTALLED WITHIN 48-HOURS OF POURING CURBS. CURB SOCKS (AFTER PAVEMENT) SHALL BE INSTALLED WITHIN 48 HOURS AFTER PAVING IS PLACED.
 - CRUSHED ROCK SHALL BE FRACTURED FACE ON ALL SIDES.
 - WIRE MESH SHALL BE FABRICATED OF WIRE TWISTED INTO A MESH WITH A MAXIMUM OPENING OF 1.0 INCH (COMMONLY TERMED "CHICKEN WIRE"). ROLL WIDTH SHALL BE 48-INCHES.
 - WIRE MESH SHALL BE SECURED USING "HOG RINGS" OR WIRE TIES AT APPROXIMATELY 6-INCH CENTERS ALONG ALL JOINTS AND AT APPROXIMATELY 2-INCH CENTERS ON ENDS OF BERM.
 - REINFORCED ROCK BERM SHALL BE CONSTRUCTED IN ONE PIECE OR SHALL BE CONSTRUCTED USING JOINT DETAIL.
 - EXAMPLES OF ACCEPTABLE GEOSYNTHETIC MATERIAL: TENCATE MIRAFI MIRAGRID 2XT; STRATA GLOBAL SOLUTIONS "STRATAGRID SO 150"; SOLID FABRIC OPTIONAL.
 - THE TOP OF REINFORCED ROCK BERM SHALL BE 1/2"-1" BELOW TOP OF CURB.

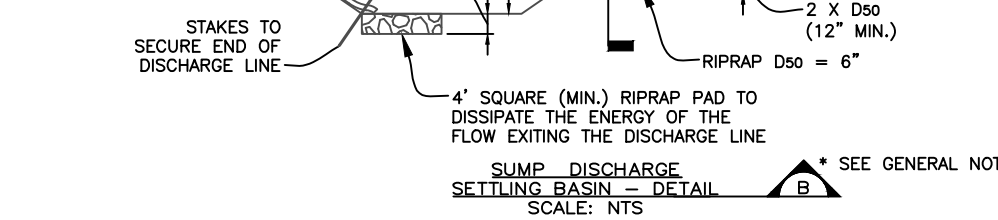
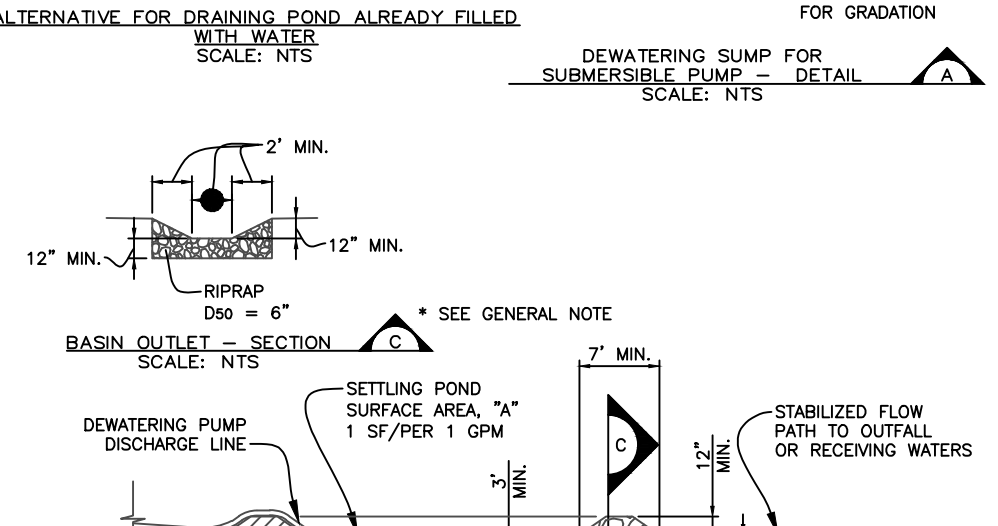
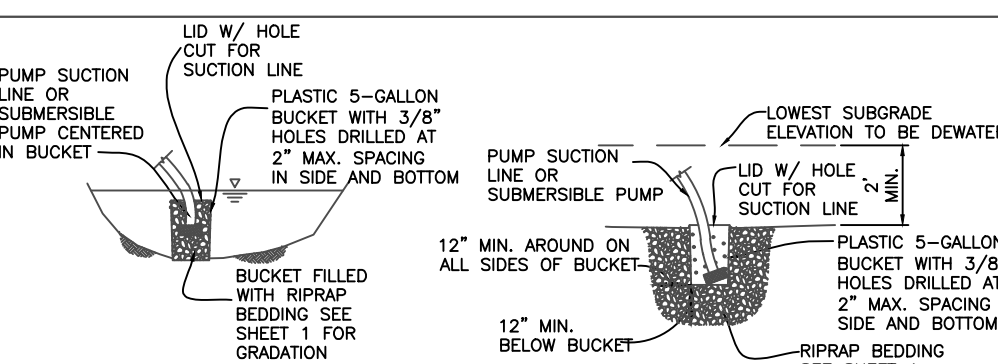
CURB SOCK MAINTENANCE NOTES

- THE GESC MANAGER SHALL INSPECT AS NECESSARY TO ENSURE THE ADEQUACY AND FUNCTIONALITY OF THE CONTROL MEASURE.
- SEDIMENT ACCUMULATED UPSTREAM OF CURB SOCK SHALL BE REMOVED WHEN THERE IS EVIDENCE OF SIGNIFICANT SEDIMENT BUILDUP.
- CURB PROTECTION IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND GRASS COVER IS APPROVED, UNLESS SEMSWA APPROVES EARLIER REMOVAL OF CURB PROTECTION IN STREETS.



- CHECK DAM INSTALLATION NOTES**
- SEE PLAN VIEW FOR:
 - LOCATIONS OF CHECK DAMS.
 - CHECK DAM TYPE (CHECK DAM OR REINFORCED CHECK DAM).
 - LENGTH, "L", CREST LENGTH, "CL", AND DEPTH, "D".
 - CHECK DAMS INDICATED ON INITIAL GESC PLAN SHALL BE INSTALLED PRIOR TO ANY UPSTREAM LAND-DISTURBING ACTIVITIES.
 - VL RIPRAP SHALL BE UTILIZED FOR CHECK DAMS.
 - RIP RAP PAD SHALL BE TRENCHED INTO THE CHANNEL BANKS TO ADEQUATELY ANCHOR WITH CENTER OF THE DAM LOWER TO ALLOW FOR OVERTOPPING AT THE CREST.

- CHECK DAM MAINTENANCE NOTES**
- THE GESC MANAGER SHALL INSPECT AS NECESSARY TO ENSURE THE ADEQUACY AND FUNCTIONALITY OF THE CONTROL MEASURE.
 - SEDIMENT ACCUMULATED UPSTREAM OF CHECK DAMS SHALL BE REMOVED WHEN THE SEDIMENT DEPTH UPSTREAM OF CHECK DAM IS WITHIN 1/2 OF THE HEIGHT OF THE CREST.
 - CHECK DAMS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND GRASS COVER IS APPROVED BY SEMSWA.
 - WHEN CHECK DAMS ARE REMOVED, EXCAVATIONS SHALL BE FILLED WITH SUITABLE COMPACTED BACK FILL. ANY DISTURBED AREA SHALL BE SEEDED AND MULCHED AND COVERED WITH EROSION CONTROL BLANKET OR OTHERWISE STABILIZED IN A MANNER APPROVED BY SEMSWA.



- DEWATERING INSTALLATION NOTES**
- A CONSTRUCTION DISCHARGE (DEWATERING) PERMIT, IF REQUIRED, SHALL BE OBTAINED FROM THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT PRIOR TO ANY DEWATERING OPERATIONS. ALL DEWATERING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE DISCHARGE PERMIT AND SHALL BE COORDINATED WITH THE SEMSWA GESC INSPECTOR.
 - THE GESC MANAGER SHALL PROVIDE, OPERATE, AND MAINTAIN DEWATERING SYSTEMS OF SUFFICIENT SIZE AND CAPACITY.
 - DEWATERING OPERATIONS SHALL USE ONE OR MORE OF THE DEWATERING SUMPS SHOWN ABOVE OR OTHER MEANS APPROVED BY SEMSWA TO REDUCE THE PUMPING OF SEDIMENT, AND SHALL PROVIDE A TEMPORARY BASIN FOR SETTLING PUMPED DISCHARGES PRIOR TO RELEASE OFF SITE OR TO A RECEIVING WATER.
 - SEDIMENT BASIN PER DETAIL 14 MAY BE USED IN LIEU OF SUMP DISCHARGE SETTLING BASIN SHOWN ABOVE.
 - THE DISCHARGE END OF THE LINE SHALL BE STAKED IN PLACES TO PREVENT MOVEMENT OF THE LINE OFF THE STABILIZED DISCHARGE POINT.

DEWATERING MAINTENANCE NOTES

- THE GESC MANAGER SHALL INSPECT AS NECESSARY TO ENSURE THE ADEQUACY AND FUNCTIONALITY OF THE CONTROL MEASURE.
- SEDIMENT ACCUMULATED UPSTREAM OF CURB SOCK SHALL BE REMOVED WHEN THERE IS EVIDENCE OF SIGNIFICANT SEDIMENT BUILDUP.
- CURB PROTECTION IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND GRASS COVER IS APPROVED, UNLESS SEMSWA APPROVES EARLIER REMOVAL OF CURB PROTECTION IN STREETS.

GENERAL NOTE:

USE OF A SEDIMENT FILTER BAG MAY BE SUBSTITUTED FOR USE OF THE RIPRAP PAD AND SUMP DISCHARGE SETTLING BASIN. FILTER BAG TO SET ON RELATIVELY FLAT STABLE GROUND.



UTILITY NOTIFICATION CENTER
OF COLORADO
CALL BEFORE YOU DIG
811
Call 2 days prior to any digging, grading or
excavating for the marking of underground
member utilities

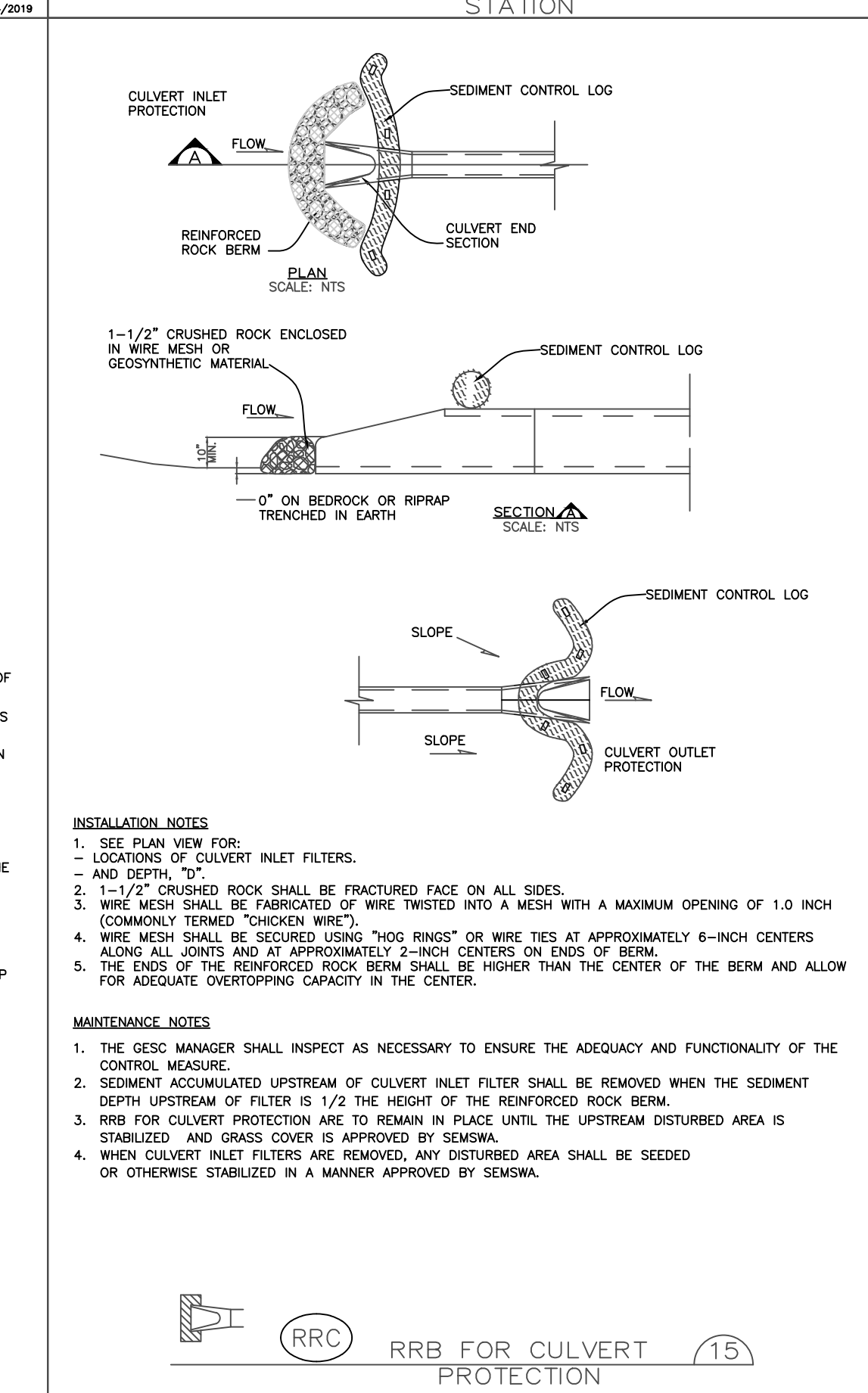
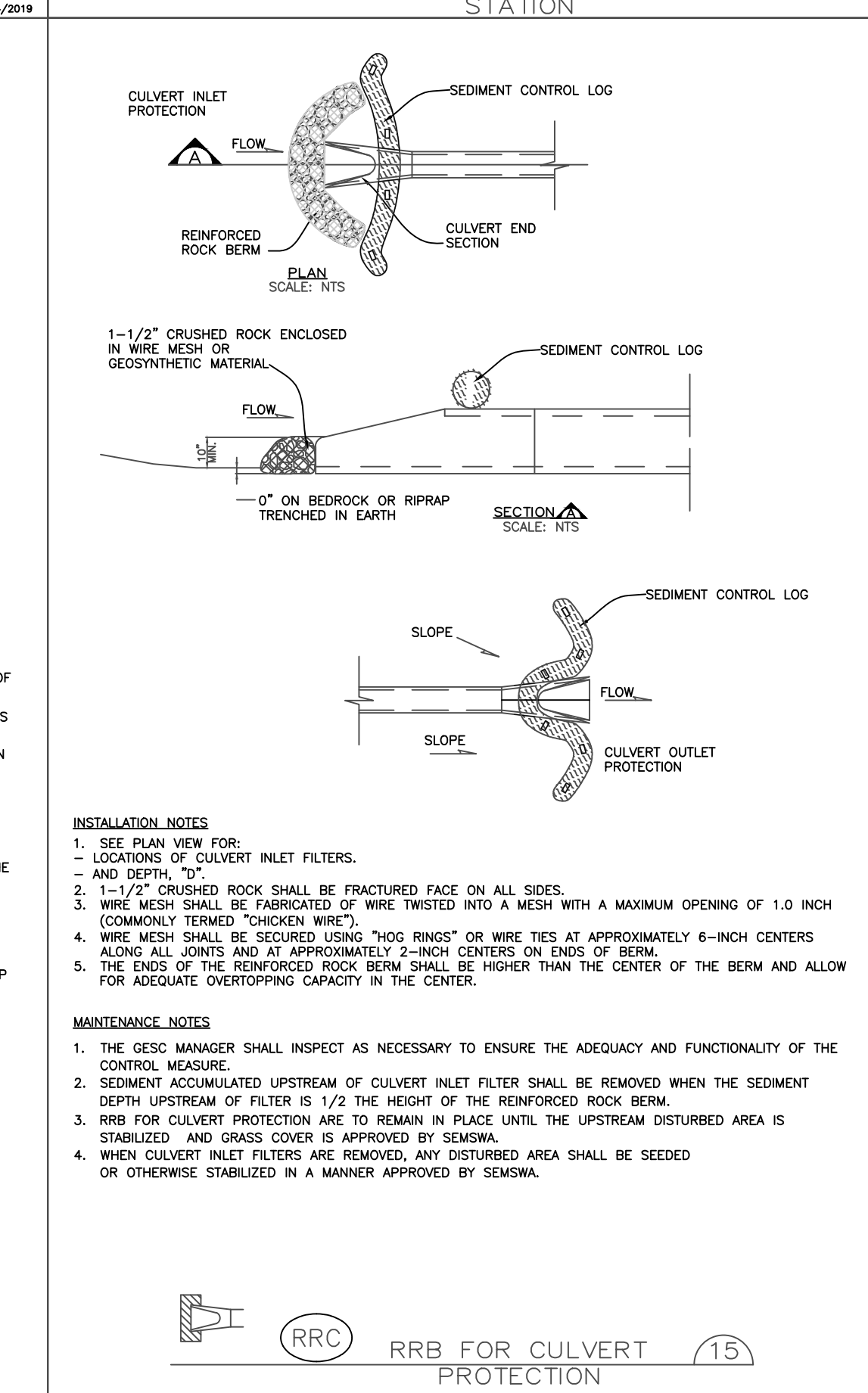
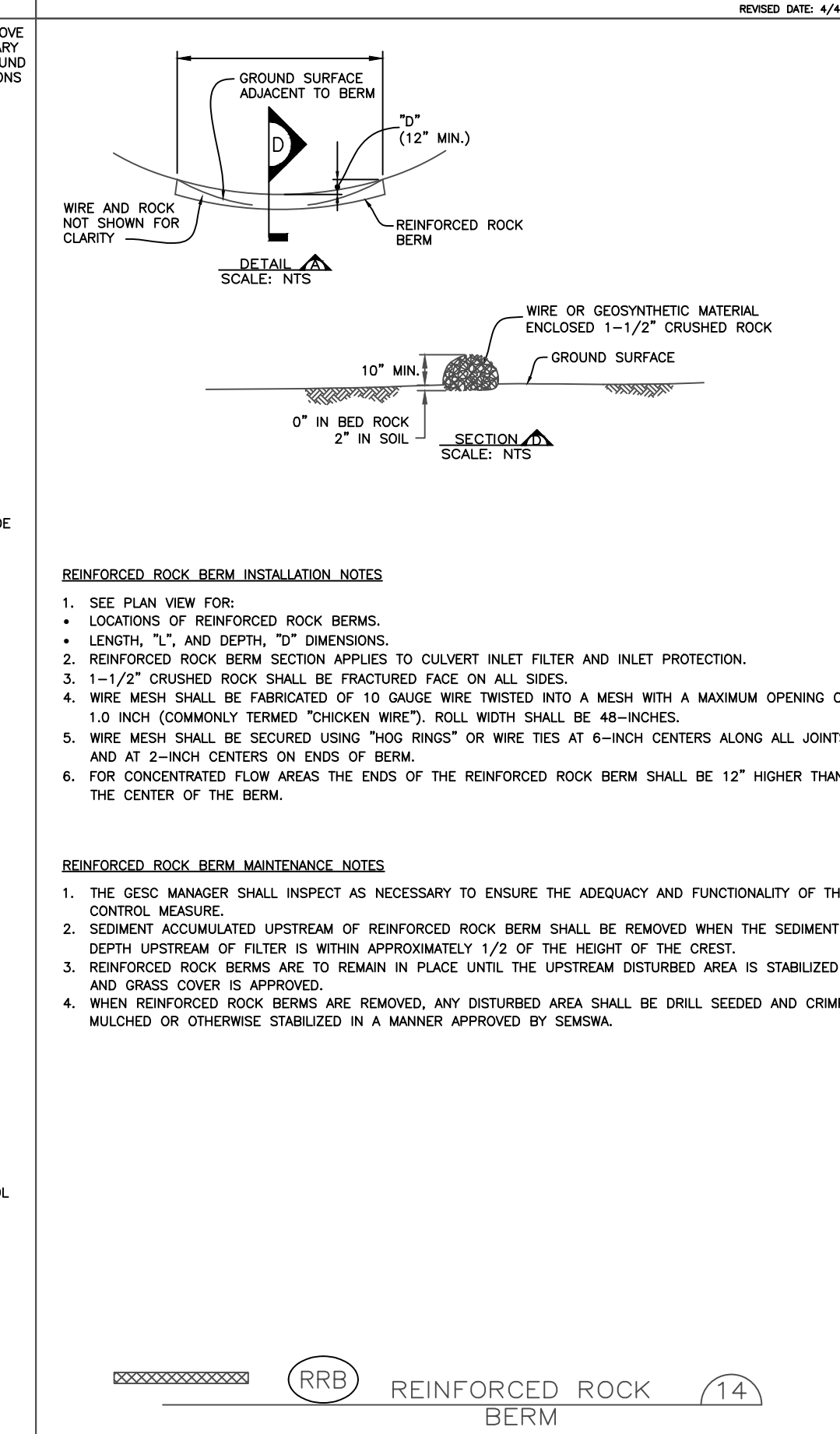
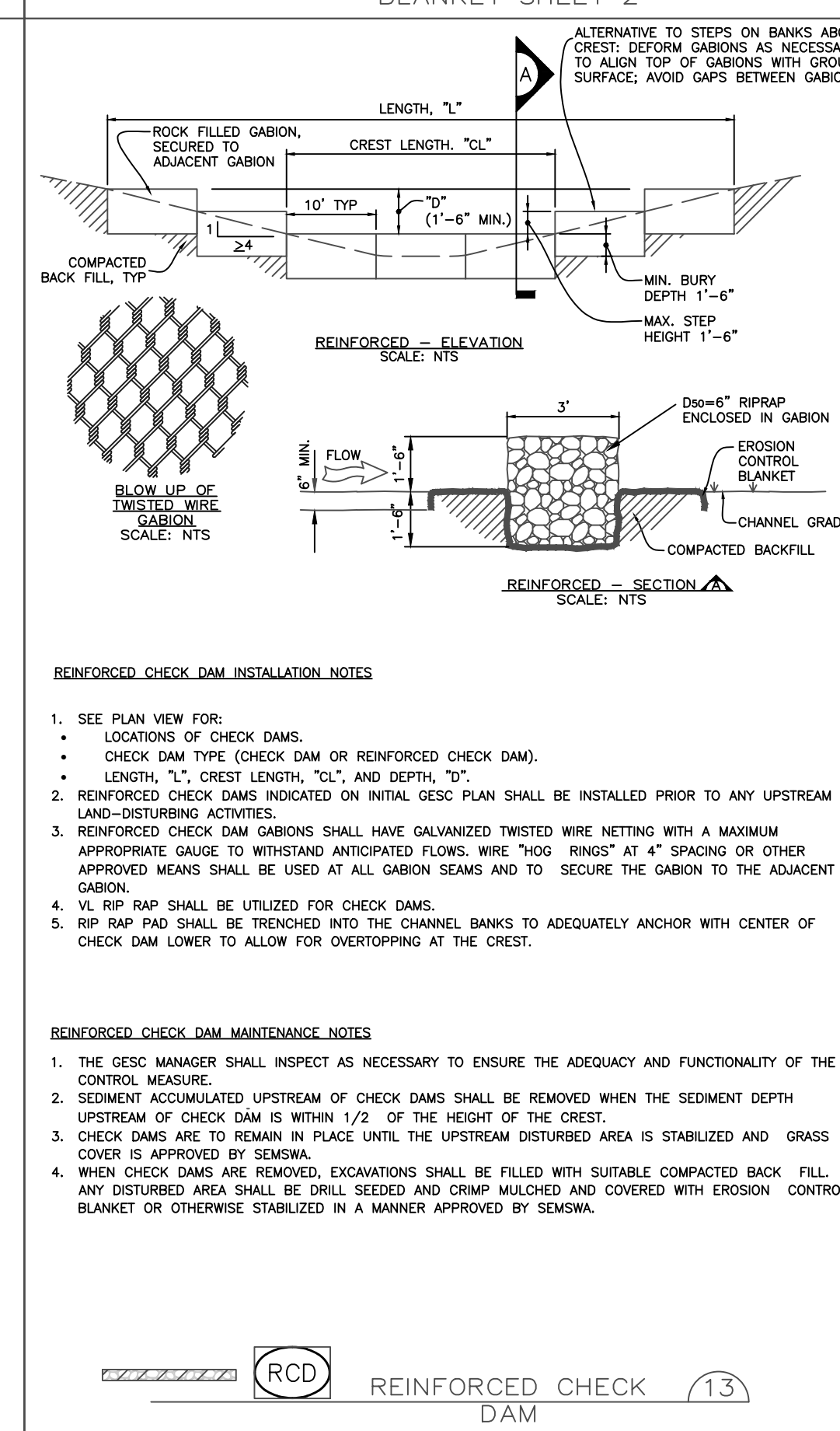
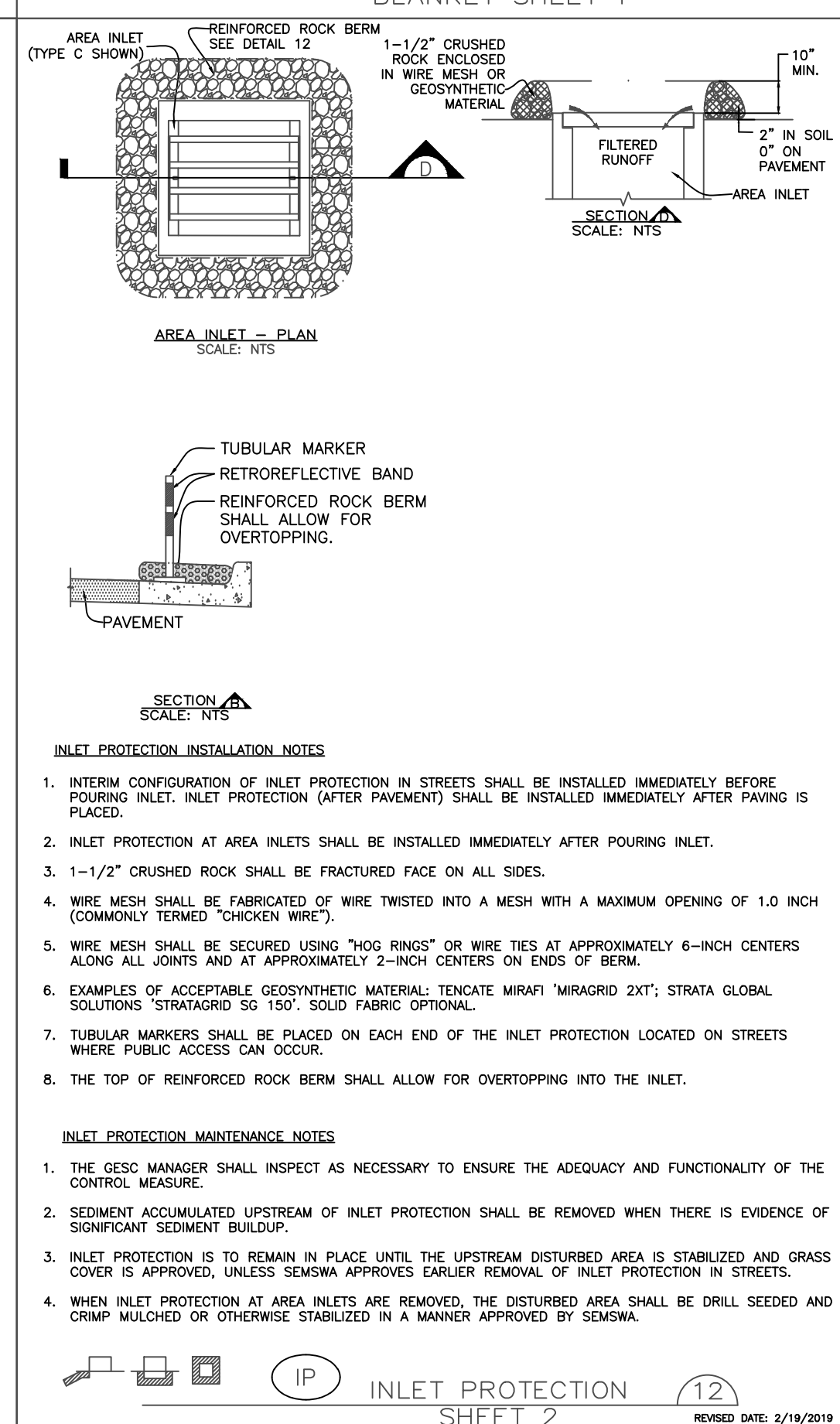
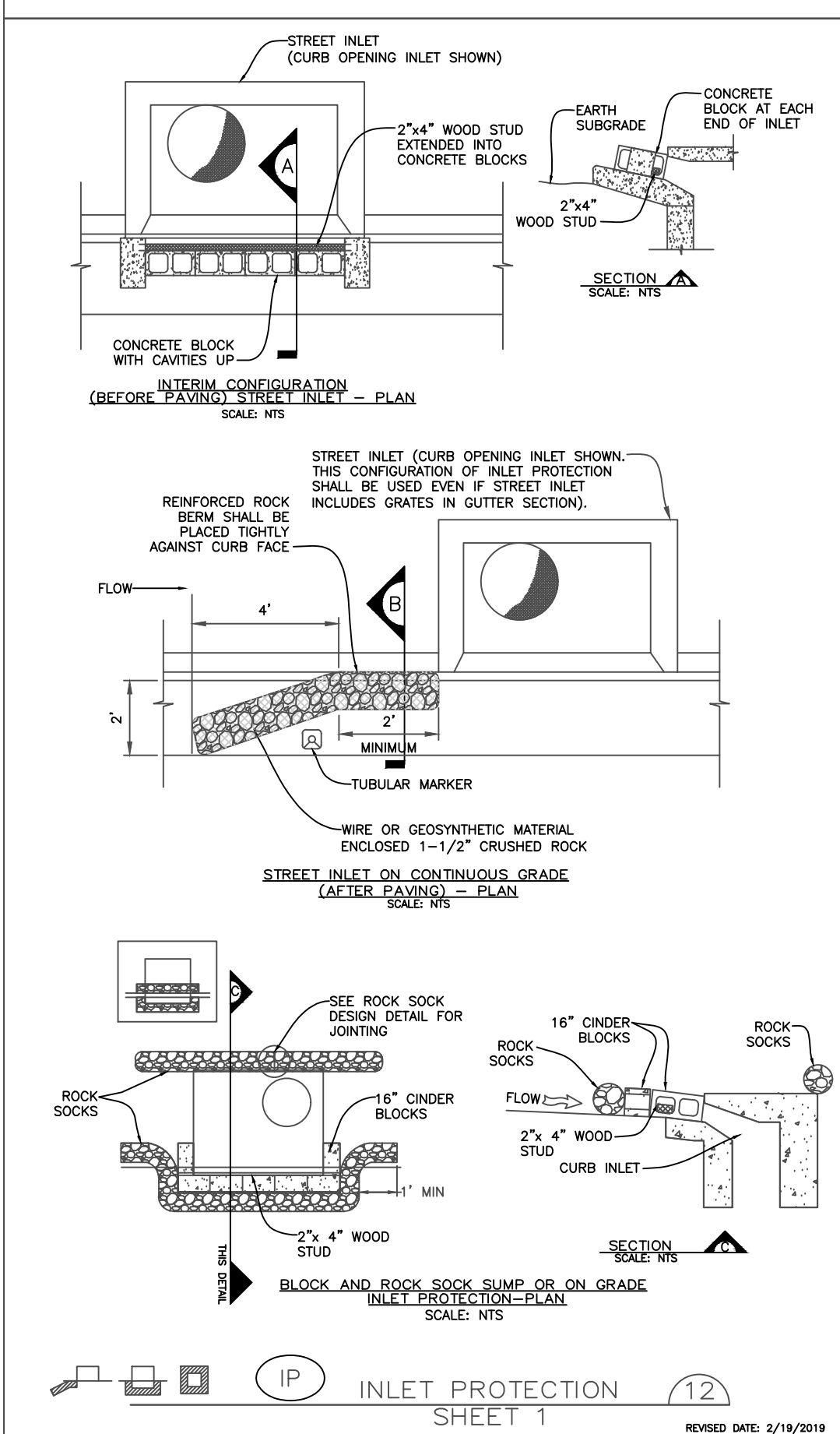
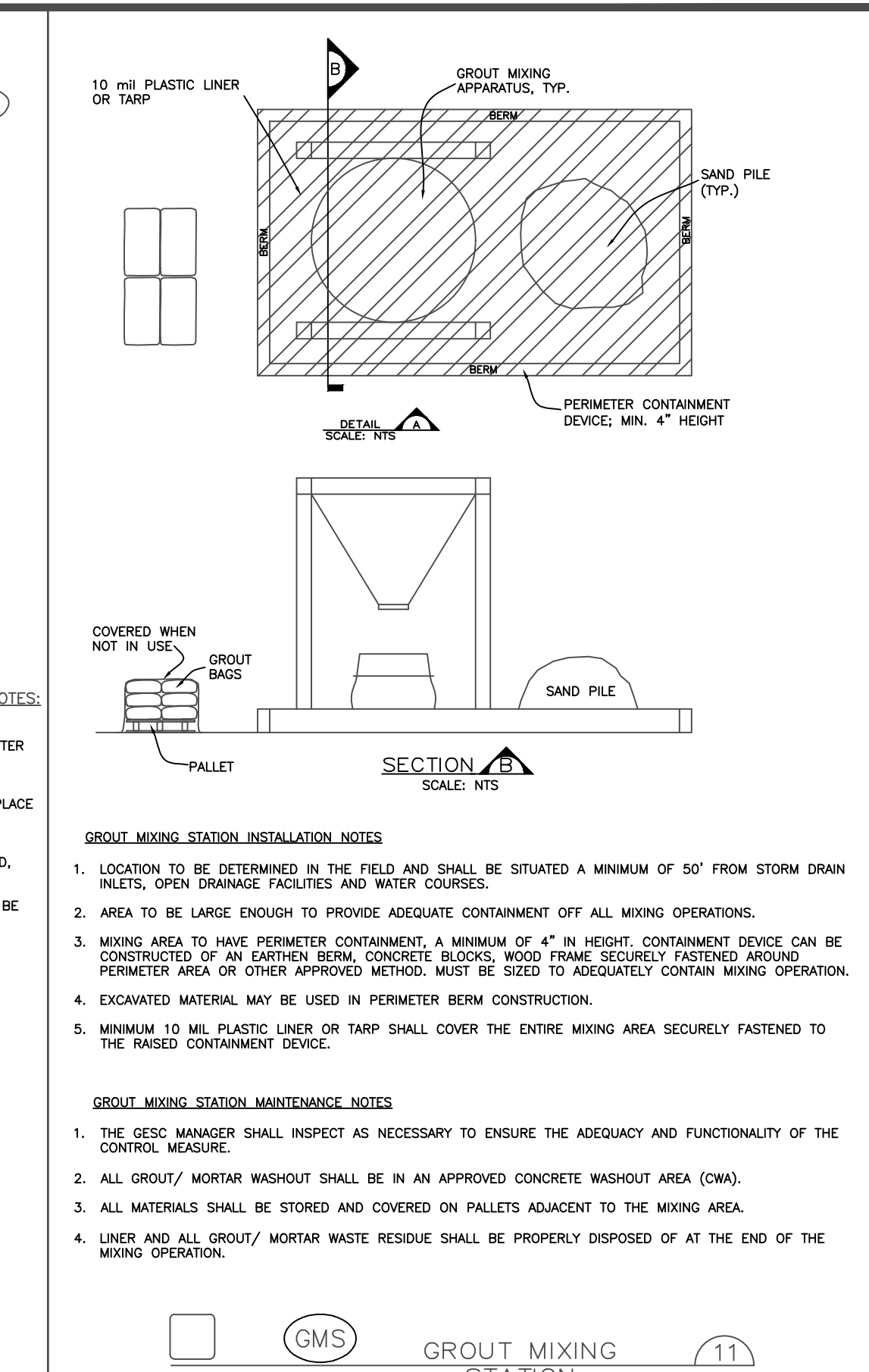
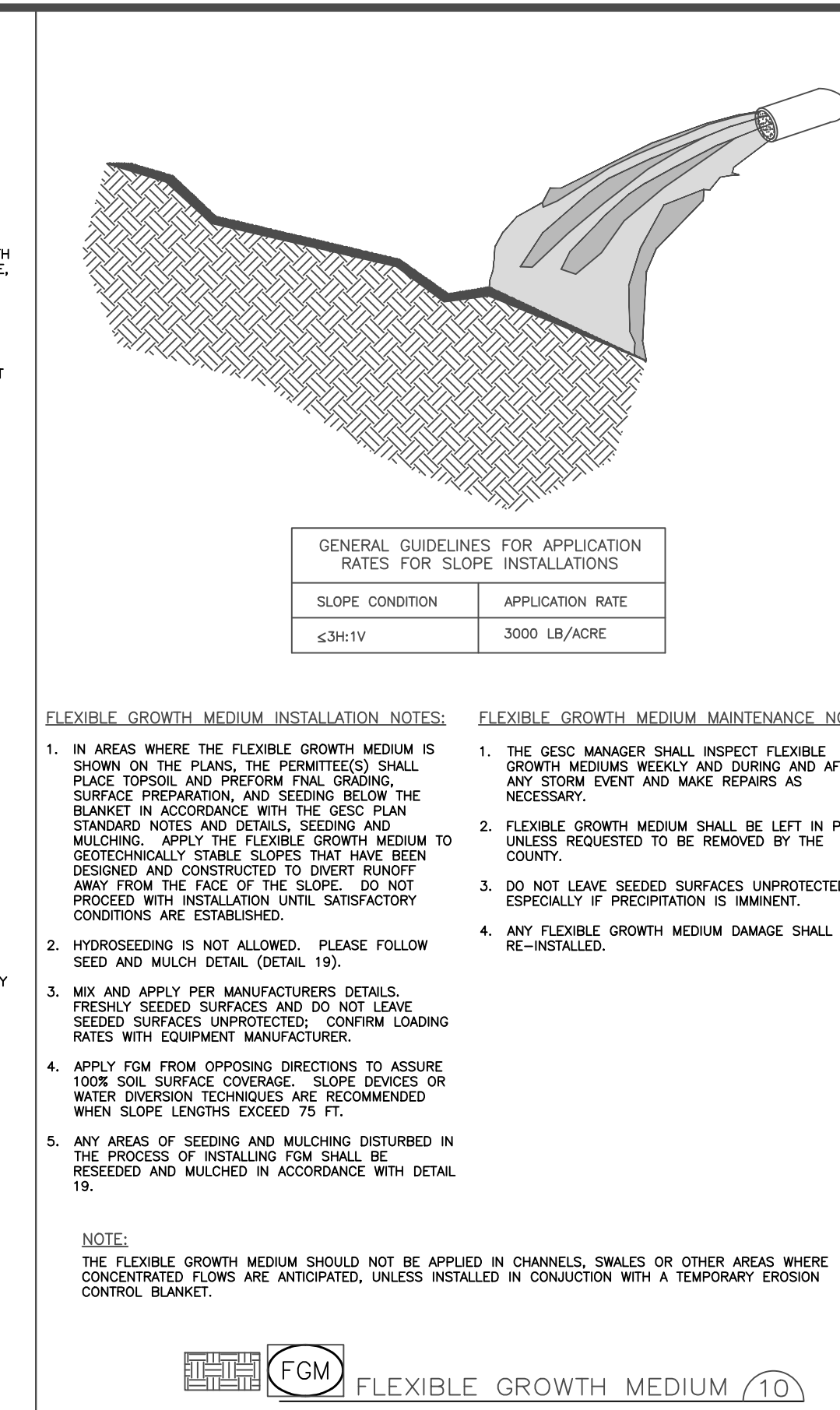
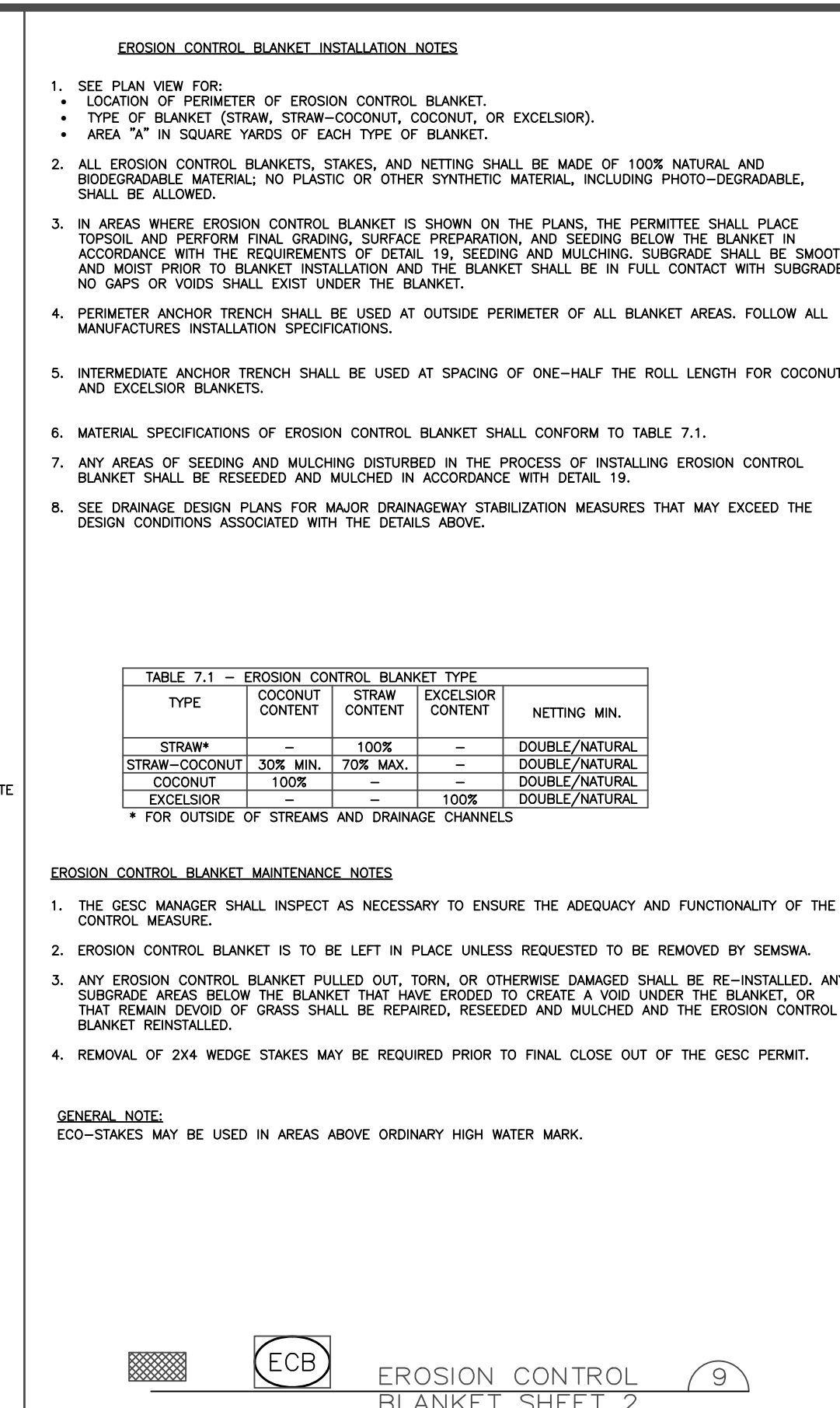
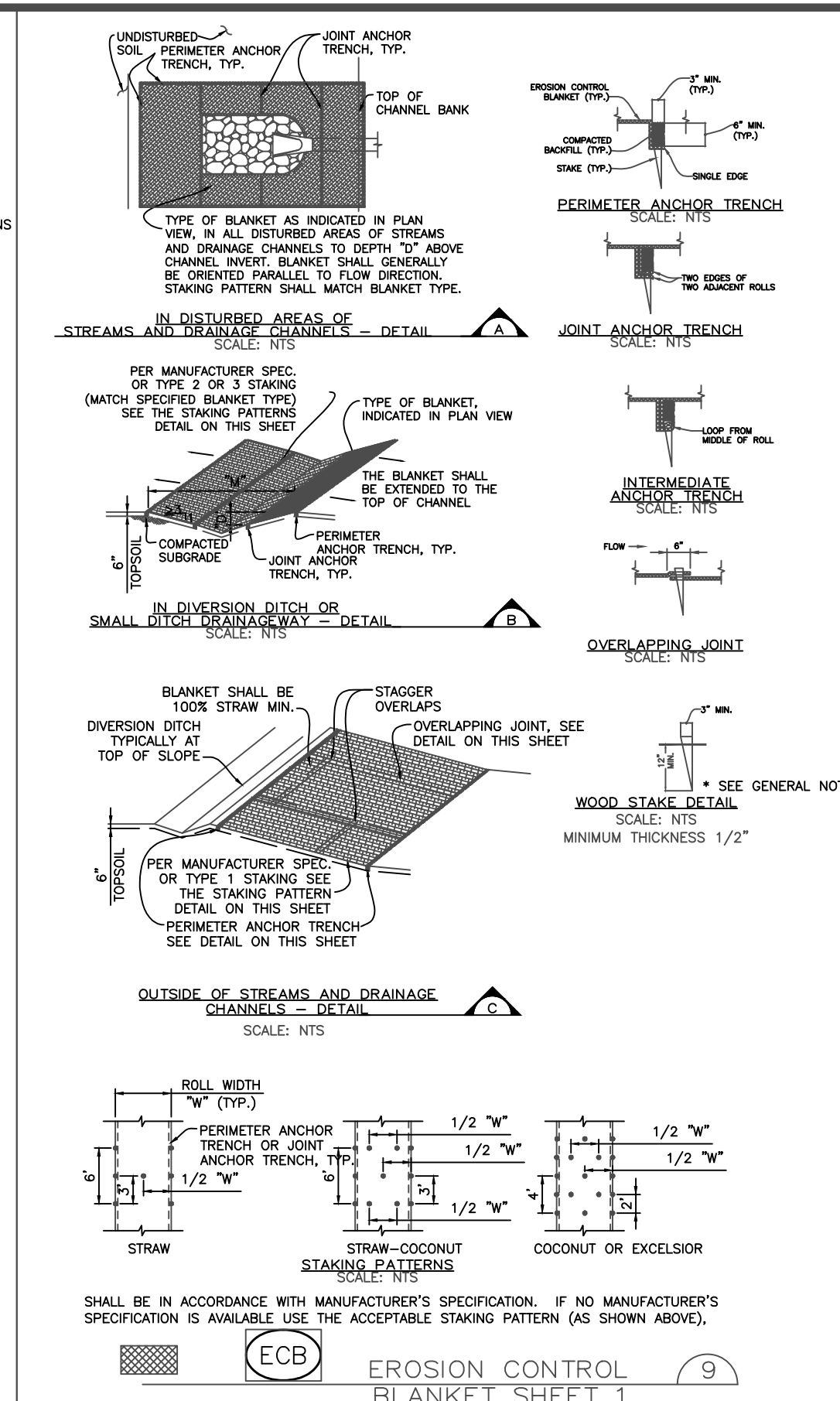
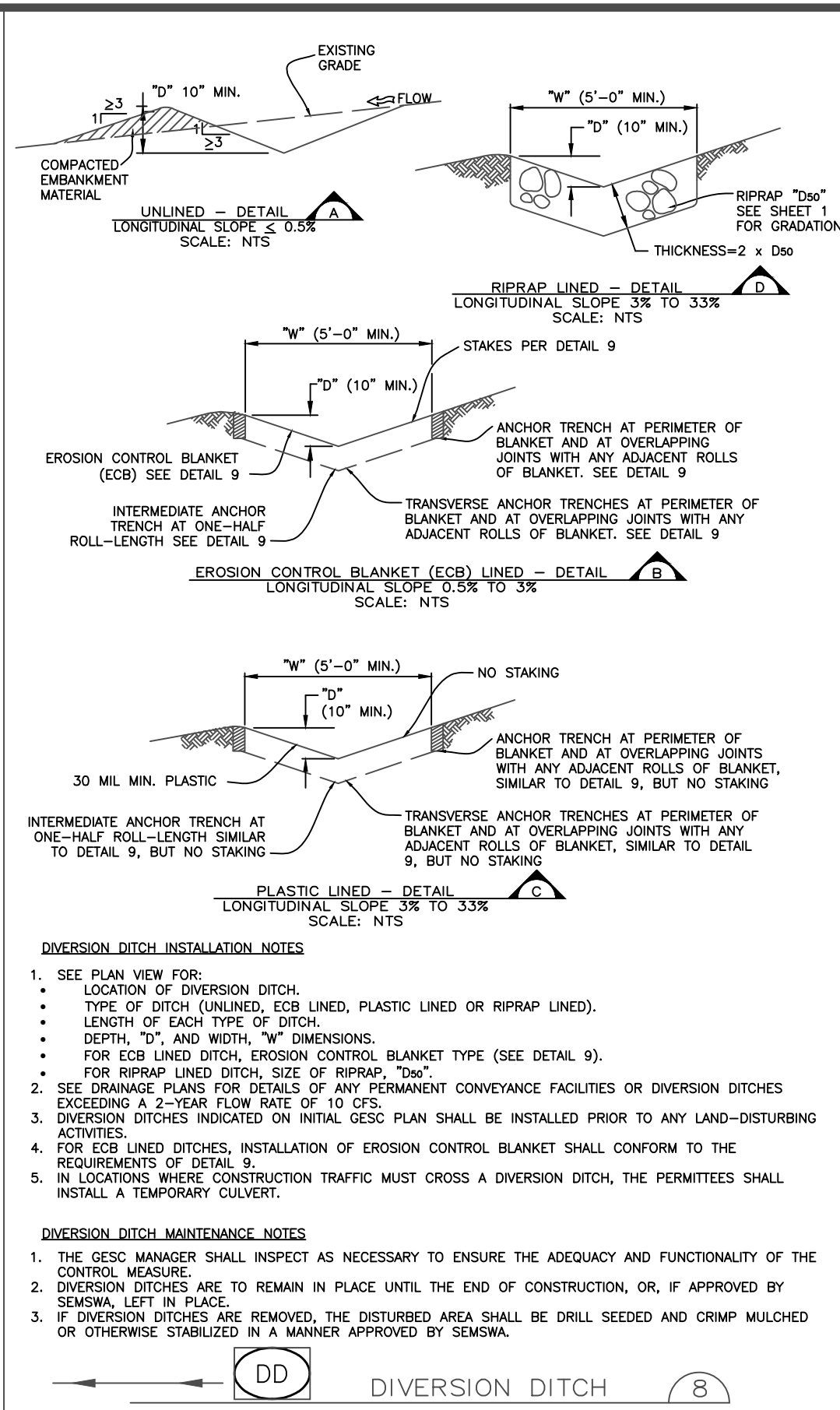
SOUTHEAST METRO STORMWATER AUTHORITY
7437 SOUTH FAIRPLAY STREET
CENTENNIAL COLORADO
80112-4486
(303) 858-8844 - INSPECTION DIVISION

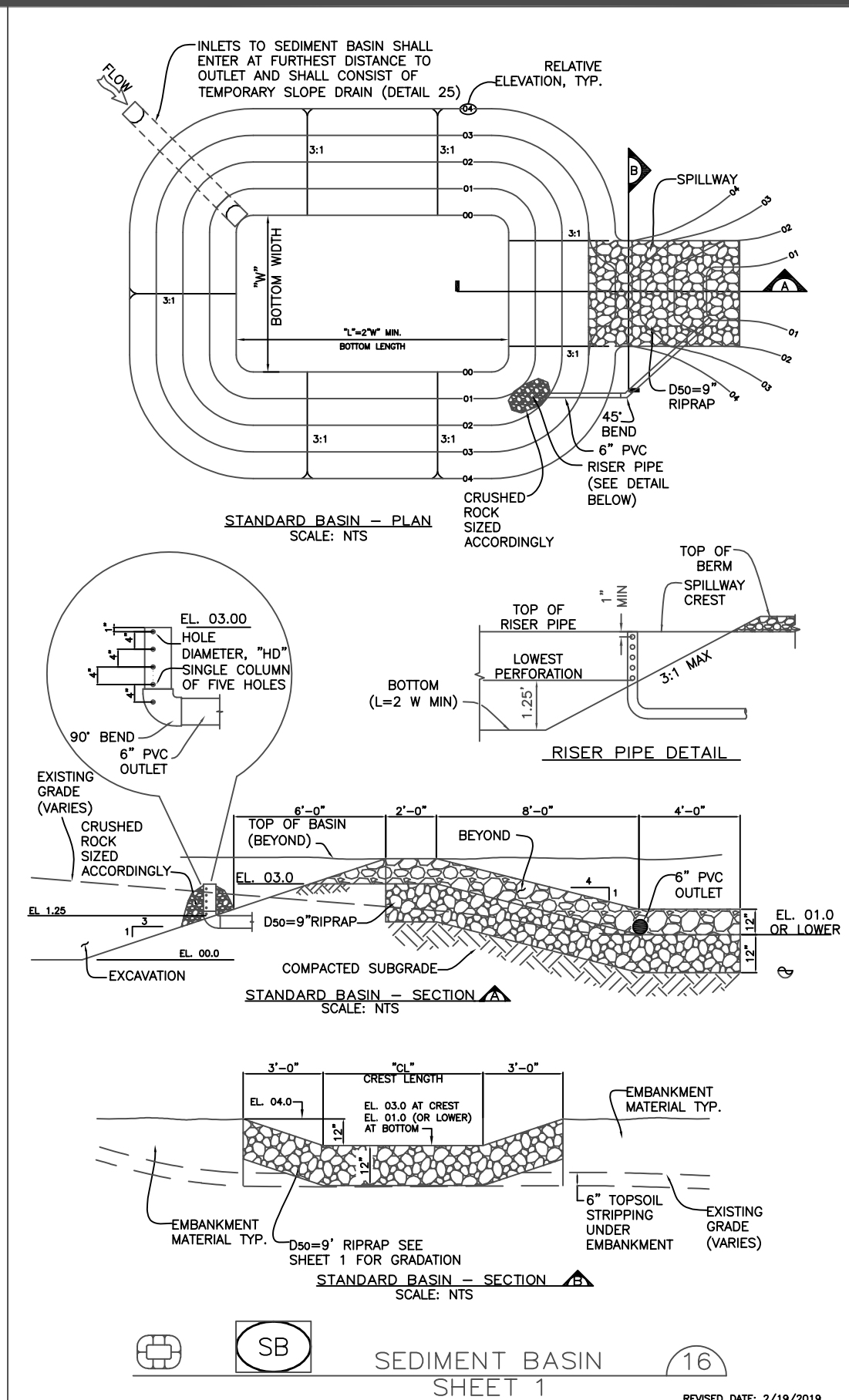
**Southeast Metro
Stormwater
Authority**

ARAPAHOE COUNTY
COLORADO'S FIRST

**GRADING EROSION AND SEDIMENT CONTROL
STANDARD NOTES AND DETAILS
REVISED APRIL 2019**

**GESC
SHEET
1 OF 4**





PERMANENT DRILL SEEDING¹ - WETLAND SEED MIX²

SPECIES	SCIENTIFIC NAME	SEASON	% IN MIX	SEEDS/LB.	LBS PLS ³ /AC
SLOUGH GRASS	BECKMANNIA SYZIGACHNE	COOL	20	1,150,000	0.5
CANADIAN REED GRASS	CALAMAGROSTIS CANADENSIS	COOL	20	2,270,000	0.2
TUFTED HMR GRASS	DESCHAMPSIA CESPIITOSA	COOL	10	2,500,000	0.1
COMMON SPIKE RUSH	ELEOCHARIS PALUSTRIS	COOL	15	620,000	0.6
BALTIC RUSH	JUNCUS BALTICUS	COOL	15	10,900,000	0.4
KNOTTED RUSH	JUNCUS NODOSUS	COOL	10	12,300,000	0.1
TORREY'S RUSH	JUNCUS TORREYI	COOL	10	12,300,000	0.1
TOTAL			100		2 LBS PLS ³ /AC

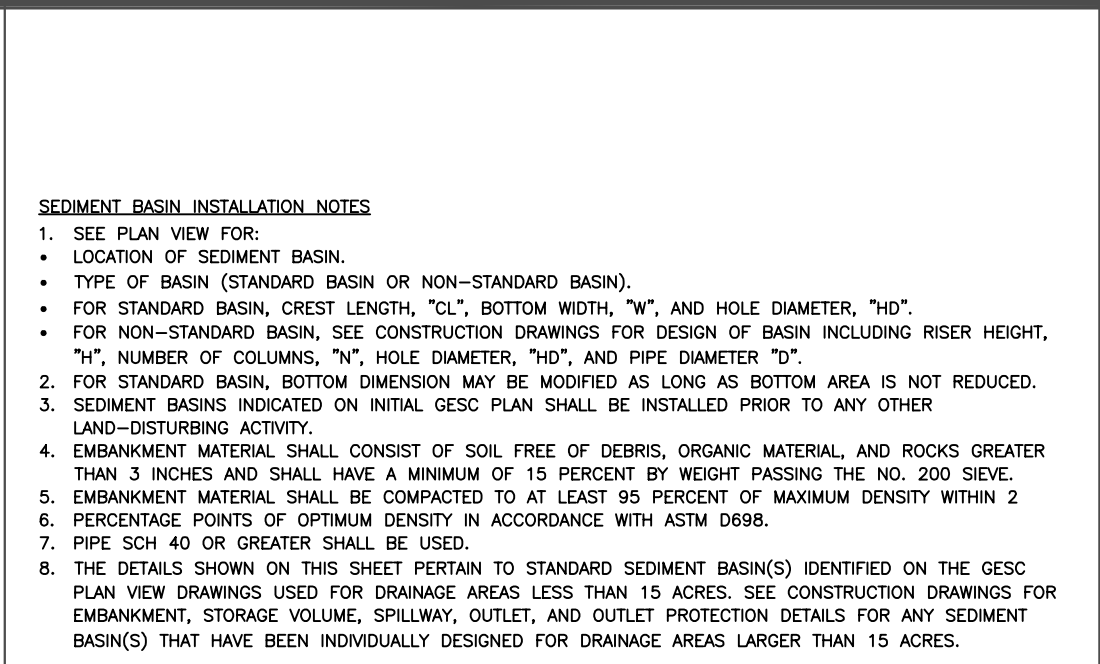
PERMANENT DRILL SEEDING^{1,2} - TRANSITION SEED MIX - WITHOUT FORBS

SPECIES	SCIENTIFIC NAME	SEASON	% IN MIX	SEEDS/LB.	LBS PLS ³ /AC
CANADA WILDRYE	ELYMUS CANADENSIS	COOL	15	115,000	3.4
STREAMBANK WHEATGRASS	ELYMUS LANCEOLATUS SPP. PSAMMOPHILUS	COOL	15	156,000	2.5
SLENDER WHEAT GRASS	ELYMUS TRACHYCAULUS	WARM	10	159,000	1.6
BALTIC RUSH	JUNCUS BALTICUS	COOL	15	10,900,000	0.1
SWITCHGRASS	PANICUM VIRGATUM	WARM	15	369,000	1.0
WESTERN WHEATGRASS	PASCOPIRYM SMITHI	COOL	15	110,000	3.6
SAND DROPSPEED	SPOROBOLUS AIROIDES	WARM	15	1,758,000	0.2
TOTAL			100		12.4 LBS PLS ³ /AC

PERMANENT DRILL SEEDING^{1,2} - TRANSITION SEED MIX - WITH FORBS

SPECIES	SCIENTIFIC NAME	SEASON	% IN MIX	SEEDS/LB.	LBS PLS ³ /AC
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SAND DROPSPEED	SPOROBOLUS AIROIDES	WARM	15	1,758,000	0.2

SEEDING AND MULCHING (19)



PERMANENT DRILL SEEDING^{1,2} - TRANSITION SEED MIX - WITH FORBS

SPECIES	SCIENTIFIC NAME	SEASON	% IN MIX	SEEDS/LB.	LBS PLS ³ /AC
INDIAN BLANKET FLOWER	GALLARDA ARISTATA	SUMMER-FALL	1	132,000	0.2
ROCKY MOUNTAIN RIR	IRIS MISSOURIENSIS	SUMMER	2	368,000	0.1
EVENING PRIMROSE	OENOTHERA ELATA	SUMMER	2	1,300,000	0.1
GOLDEN BANNER	THERMOPSIS MONTANA	SUMMER	2	15,000	3.5
MEXICAN HAT	RATIBIDA COLUMNIFERA	SUMMER-FALL	1	1,230,000	0.1
SAND DROPSPEED	SPOROBOLUS AIROIDES	WARM	15	1,758,000	0.2
TOTAL			100		14.4 LBS PLS ³ /AC

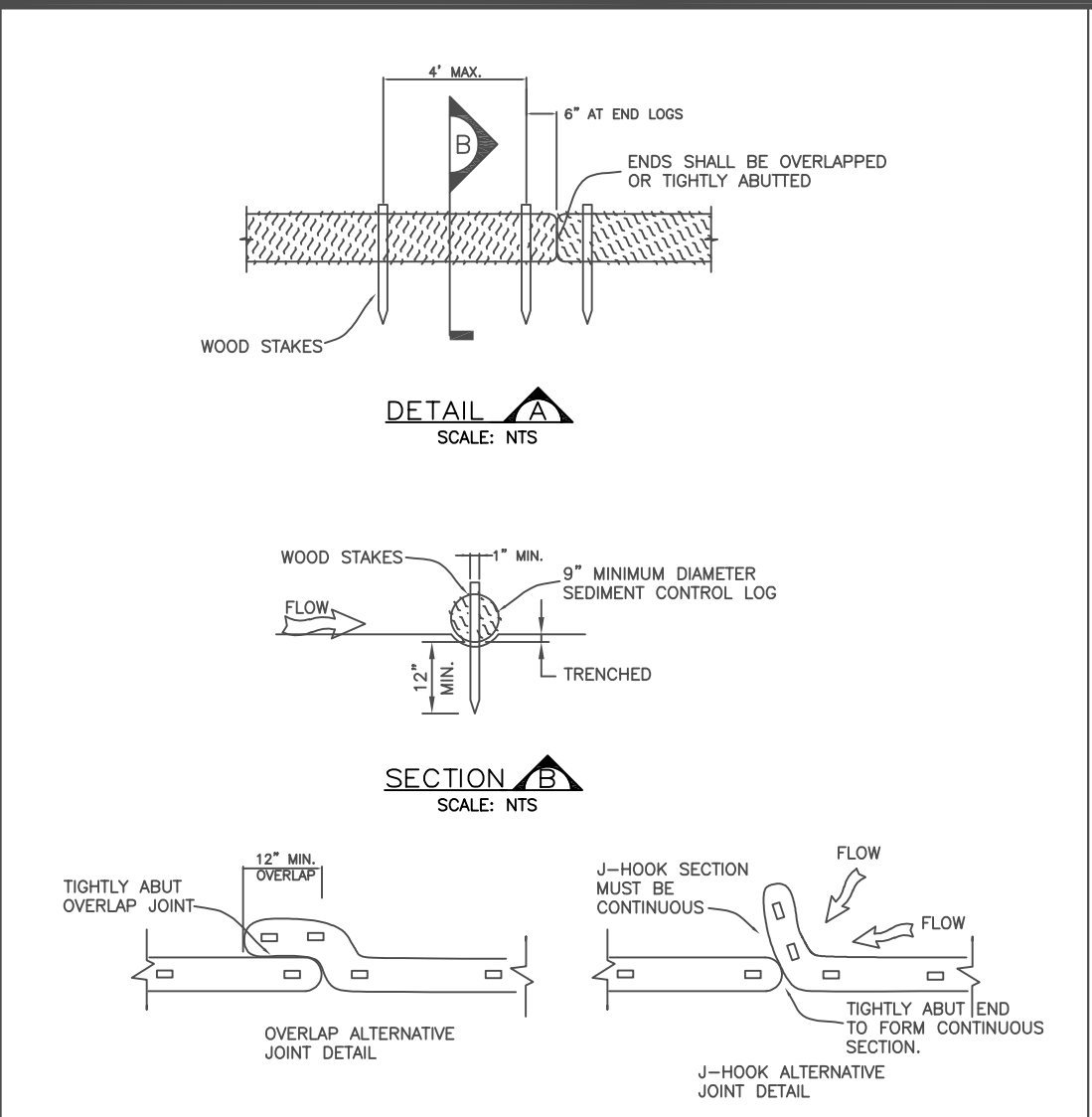
PERMANENT DRILL SEEDING^{1,2} - UPLAND SEED³ MIX - WITHOUT FORBS

SPECIES	SCIENTIFIC NAME	SEASON	% IN MIX	SEEDS/LB.	LBS PLS ³ /AC
BIG BLUESTEM	ANDROPOGON GERARDII	WARM	10	130,000	2.0
SIDEOTS GRAMA	BOUTELLOUA CURTIPENDULA	WARM	10	191,000	1.4
BLUE GRAMA	BOUTELLOUA GRACILIS	WARM	10	825,000	0.3
CANADA WILDRYE	ELYMUS CANADENSIS	COOL	10	115,000	2.3
THICKSPIKE WHEATGRASS	ELYMUS LANCEOLATUS SPP. LANCEOLATUS	COOL	5	154,000	0.8
STREAMBANK WHEATGRASS	ELYMUS LANCEOLATUS SPP. PSAMMOPHILUS	COOL	5	156,000	0.8
SLENDER WHEAT GRASS	ELYMUS TRACHYCAULUS	WARM	10	159,000	1.6
NEEDLE AND THREAD	HESPEROSTIPA COMATA	COOL	10	115,000	2.3
WESTERN WHEATGRASS	PASCOPIRYM SMITHI	COOL	10	110,000	2.4
INDIAN GRASS	SORGHASTRUM NUTANS	WARM	10	170,000	1.5
SAND DROPSPEED	SPOROBOLUS CRYPTANDRUS	WARM	10	5,298,000	0.1
TOTAL			100		15.5 LBS PLS ³ /AC

PERMANENT DRILL SEEDING^{1,2} - UPLAND SEED³ MIX - WITH FORBS

SPECIES	SCIENTIFIC NAME	SEASON	% IN MIX	SEEDS/LB.	LBS PLS ³ /AC
BLACK-EYED SUSAN	RUBICEOLA HIRTA	SUMMER-FALL	1	1,710,000	0.1
SULFUR FLOWER	ERODIUM UNILLIUM	FALL	2	209,000	0.3
PAIRIE ASTER	MACROGYNANTHERA TANGUTICA	SUMMER	1	408,000	0.1
PURPLE PRAIRIE CLOVER	DALEA PURPUREA	SUMMER	1	210,000	0.1
WESTERN YARROW	ACHILLEA MILLEFOLIUM VAR. OCCIDENTALE	SUMMER-FALL	2	2,770,000	0.1
PLAINS COREOPSIS	COREOPSIS TINCTORIA	SUMMER-FALL	1	1,400,000	0.1
INDIAN BLANKET FLOWER	GALLARDA ARISTATA	SUMMER-FALL	1	132,000	0.2
PURPLE CONEFLOWER	ECHEMACIA PURPUREA	SUMMER	1	117,000	0.2
TOTAL			100		15 LBS PLS ³ /AC

SEEDING AND MULCHING (19)



PERMANENT DRILL SEEDING^{1,2} - UPLAND SEED³ MIX - WITH FORBS

SPECIES	SCIENTIFIC NAME	SEASON	% IN MIX	SEEDS/LB.	LBS PLS ³ /AC
BIG BLUESTEM	ANDROPOGON GERARDII	WARM	8	130,000	1.6
SIDEOTS GRAMA	BOUTELLOUA CURTIPENDULA	WARM	8	191,000	1.1
BLUE GRAMA	BOUTELLOUA GRACILIS	WARM	8	825,000	0.3
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TOTAL			100		15 LBS PLS ³ /AC

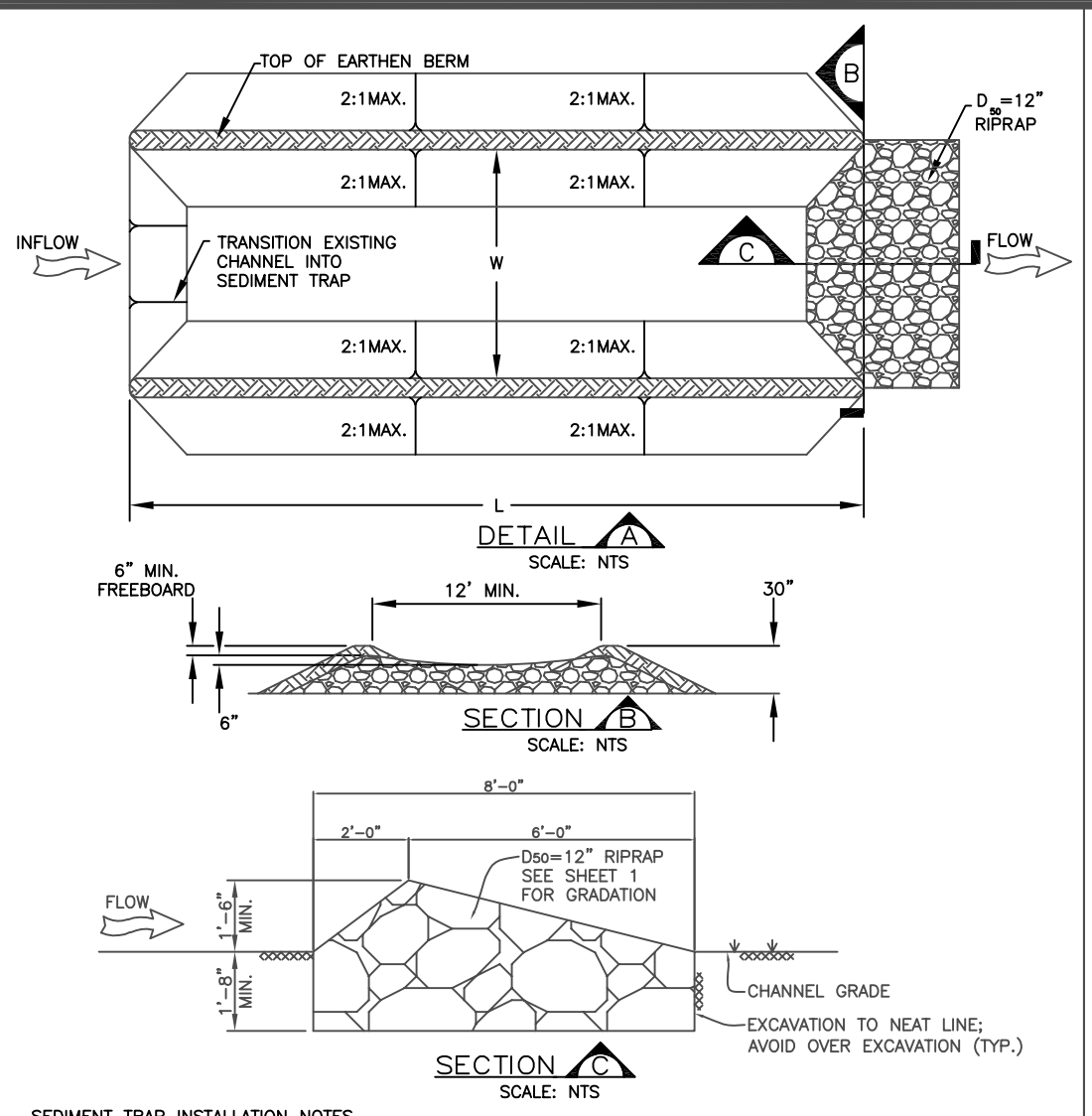
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SEEDING AND MULCHING (19)



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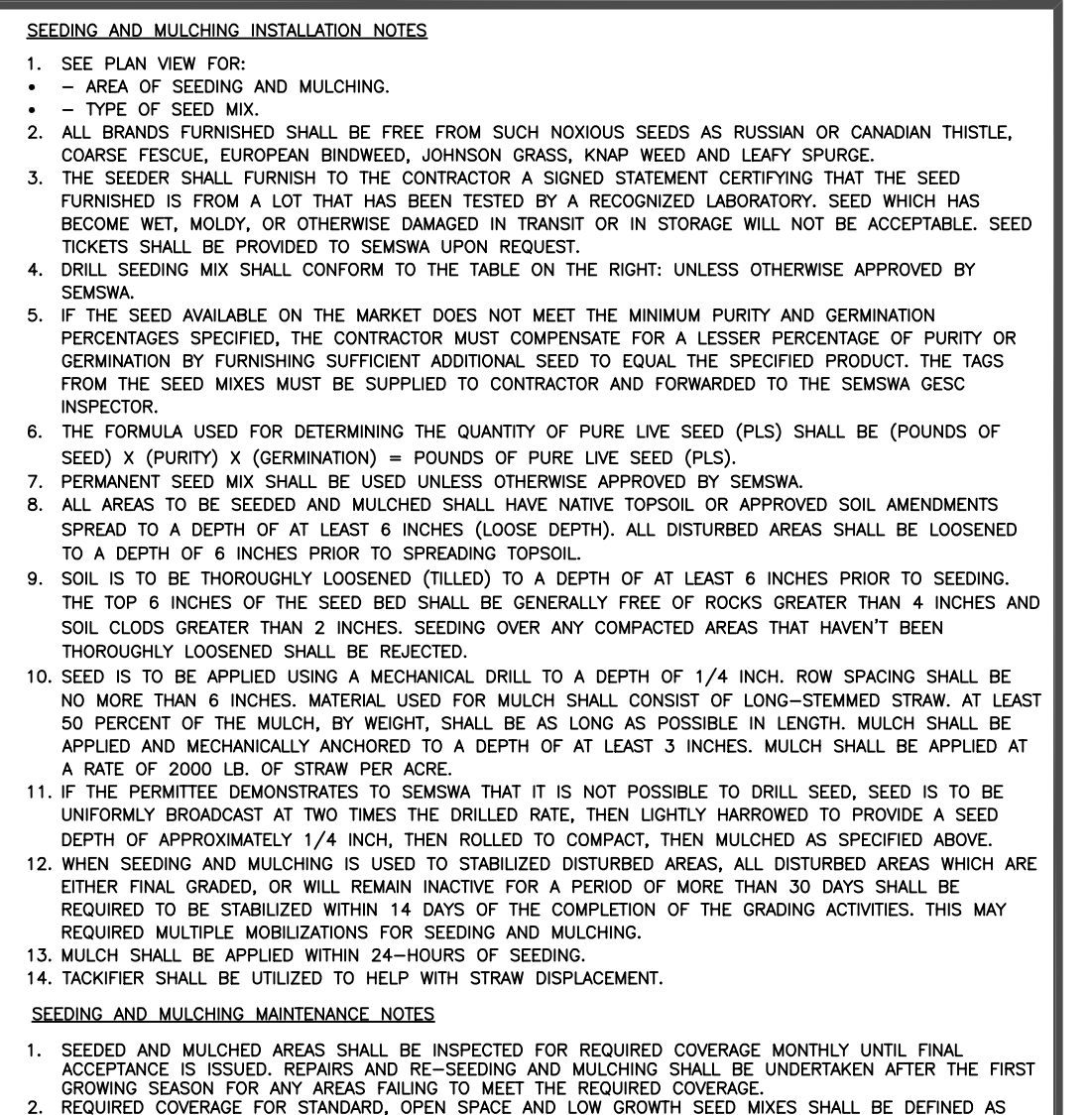
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SEEDING AND MULCHING (19)



- FOLLOWS:
 - 70% OF THE EXISTING/ PRE-CONSTRUCTION CONDITION.
 - FREE OF EROD. AREAS.
 - FREE FROM INFESTION OF NOXIOUS WEEDS IN ACCORDANCE WITH THE GESC CRITERIA MANUAL.
- 3. RILL AND GULLY EROSION SHALL BE FILLED WITH TOPSOIL PRIOR TO RESEEDING. THE RESEEDING METHOD SHALL BE APPROVED BY SEMWA.

TEMPORARY DRILL SEEDING MIX

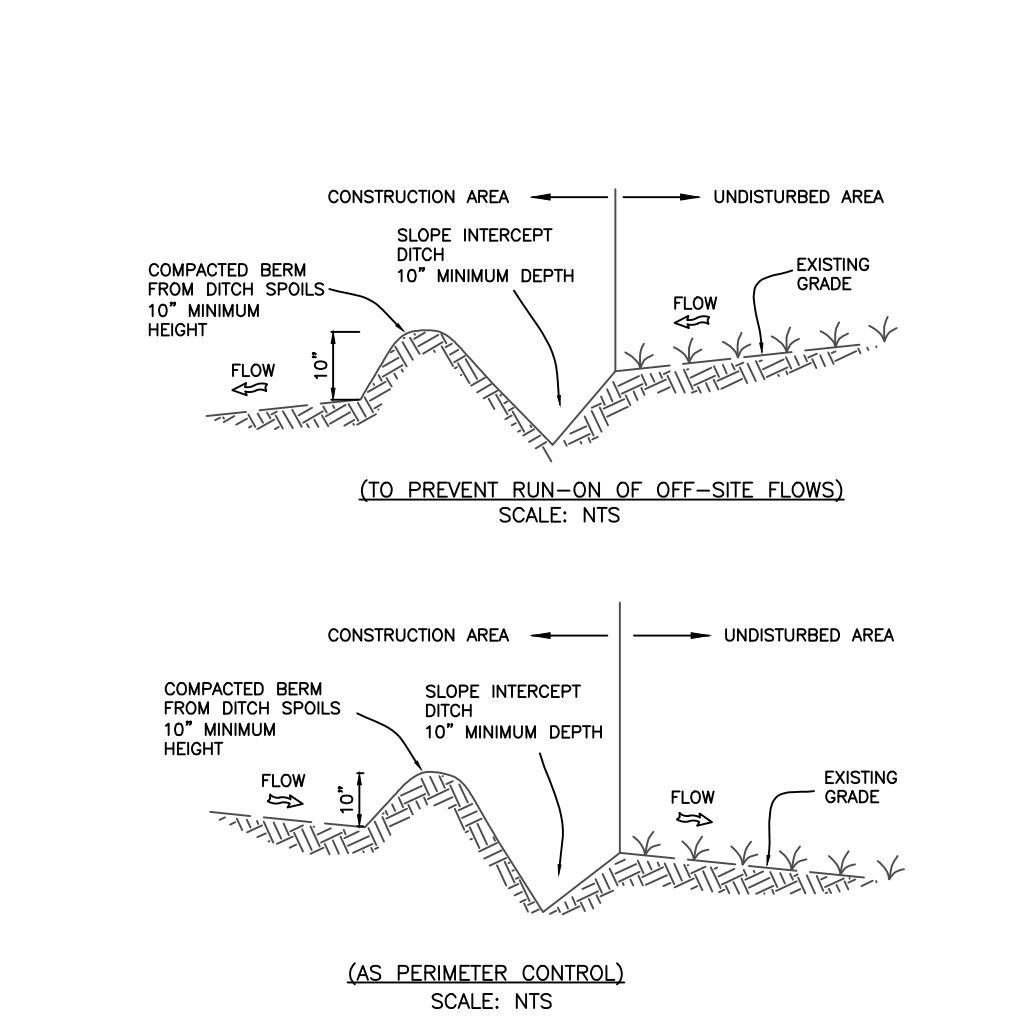
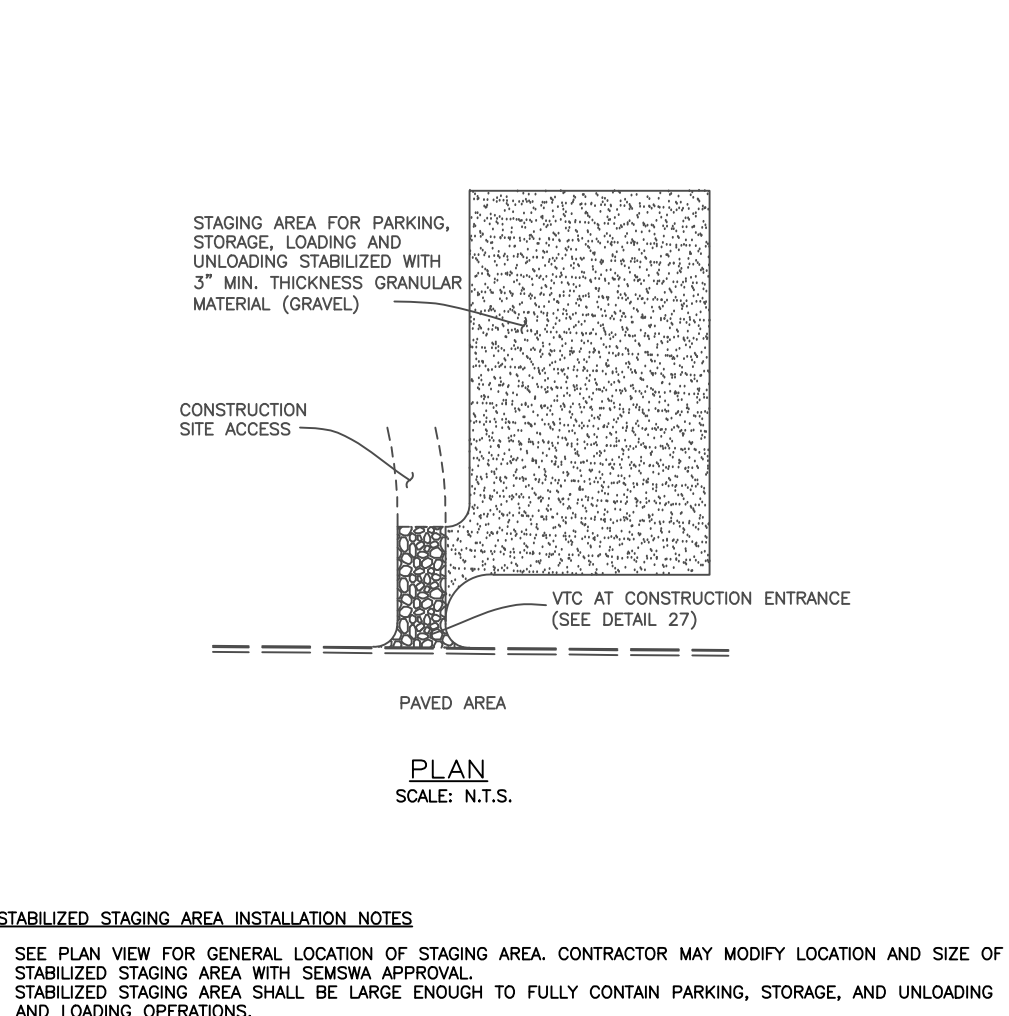
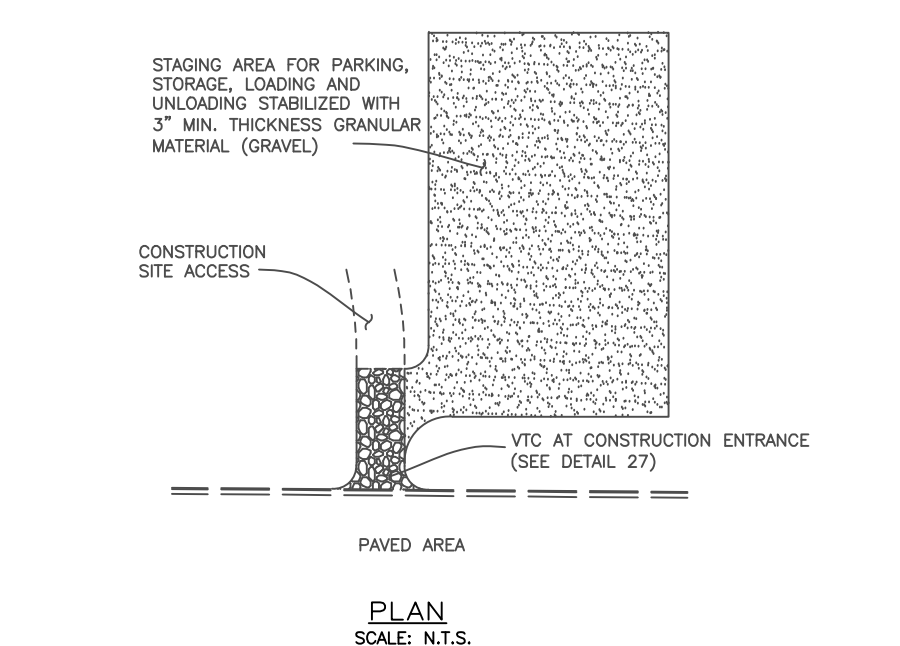

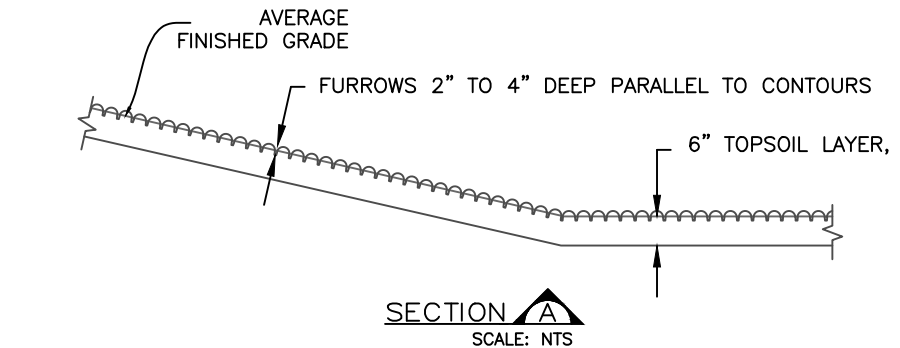

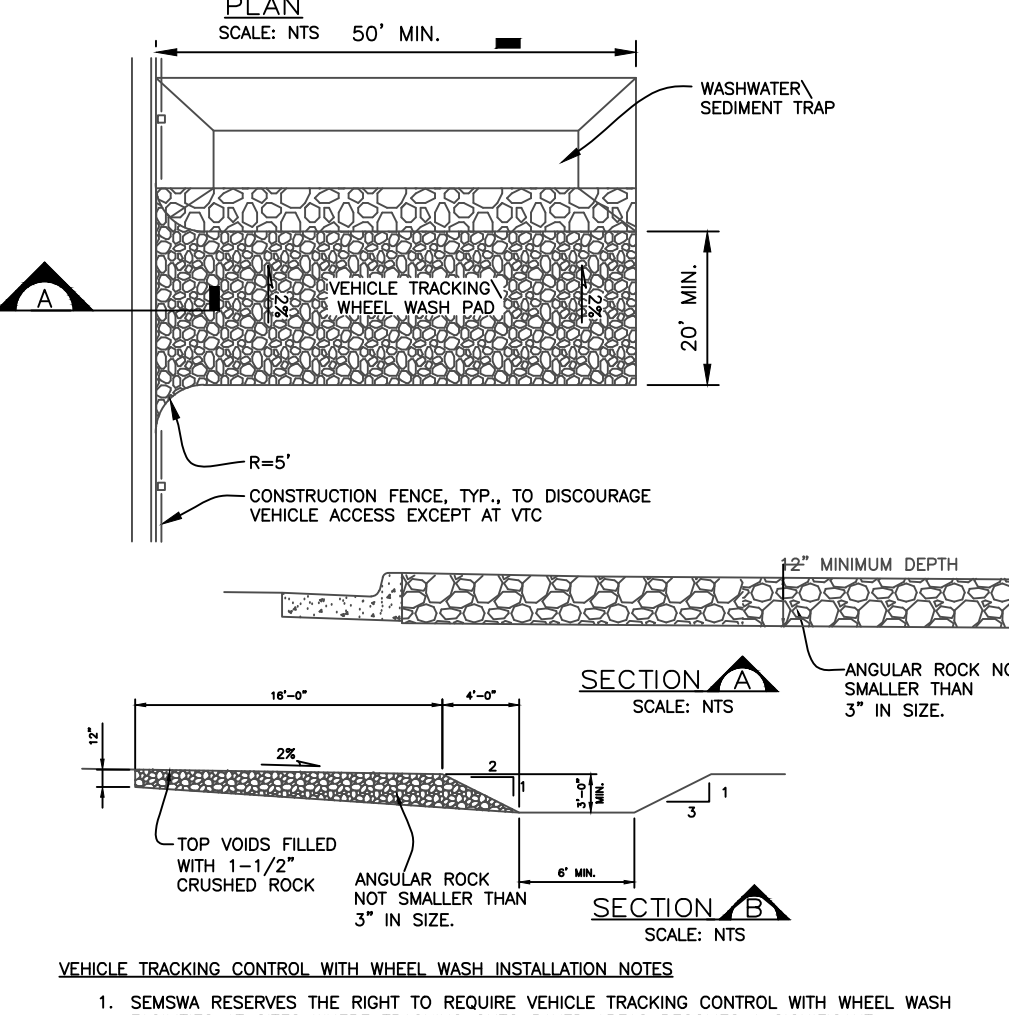

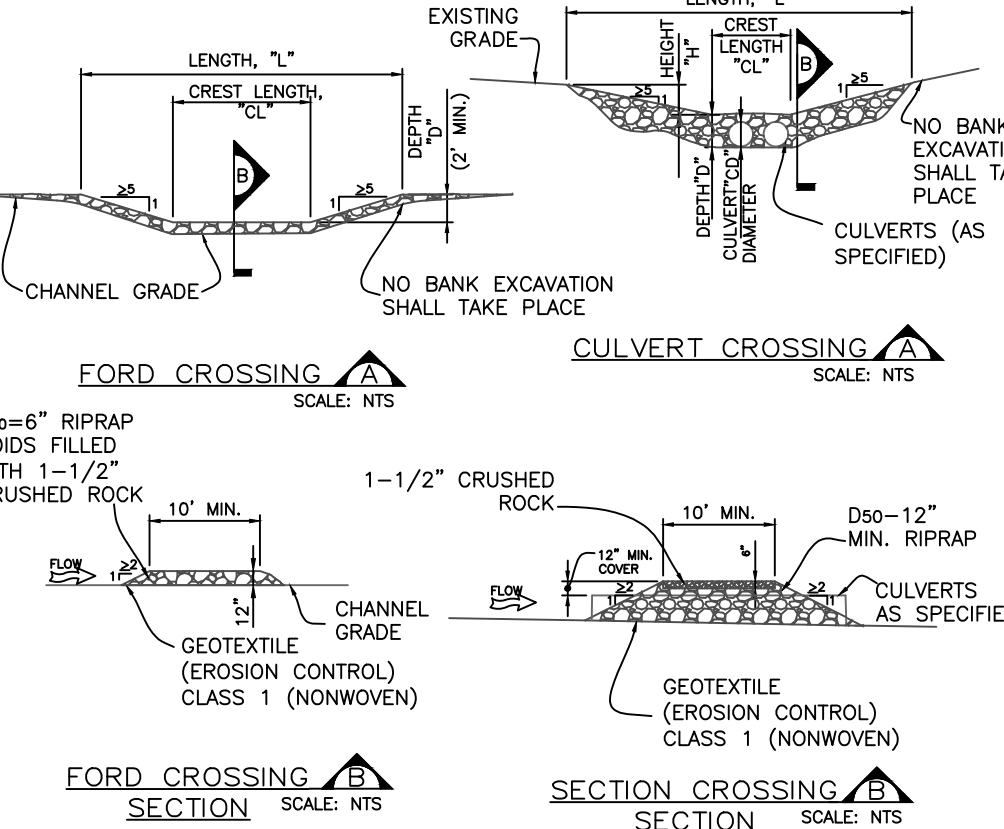

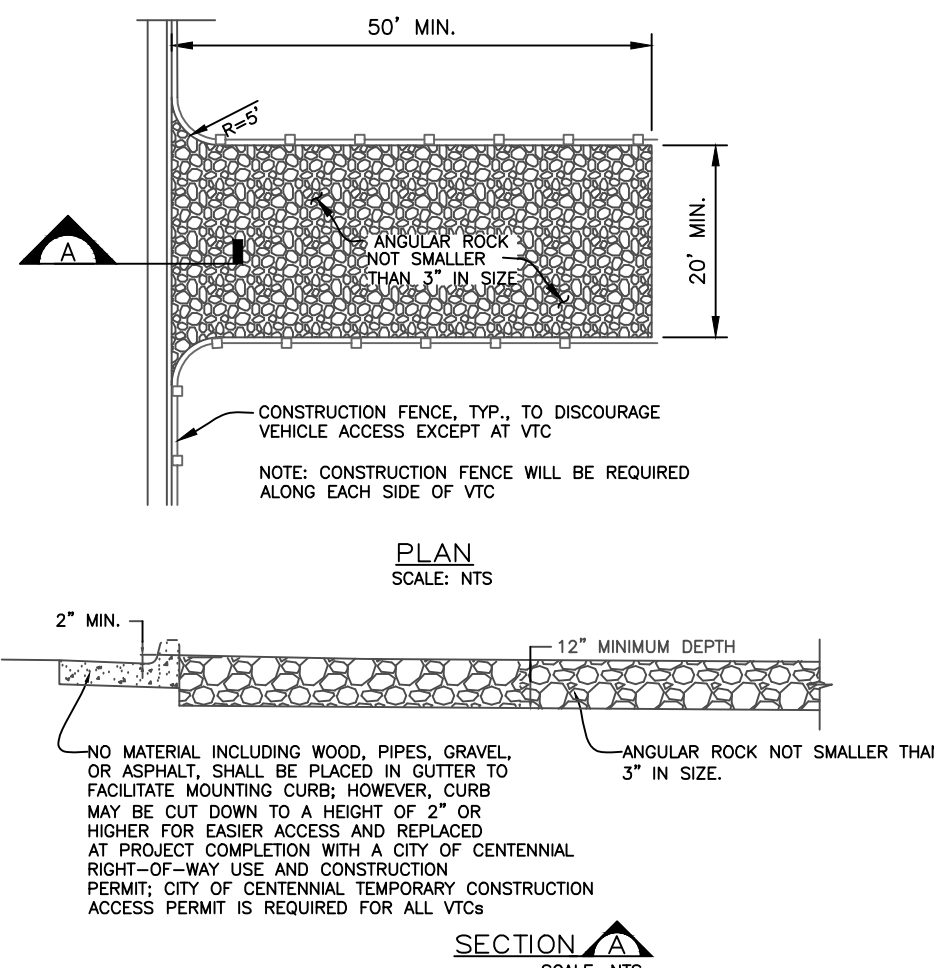

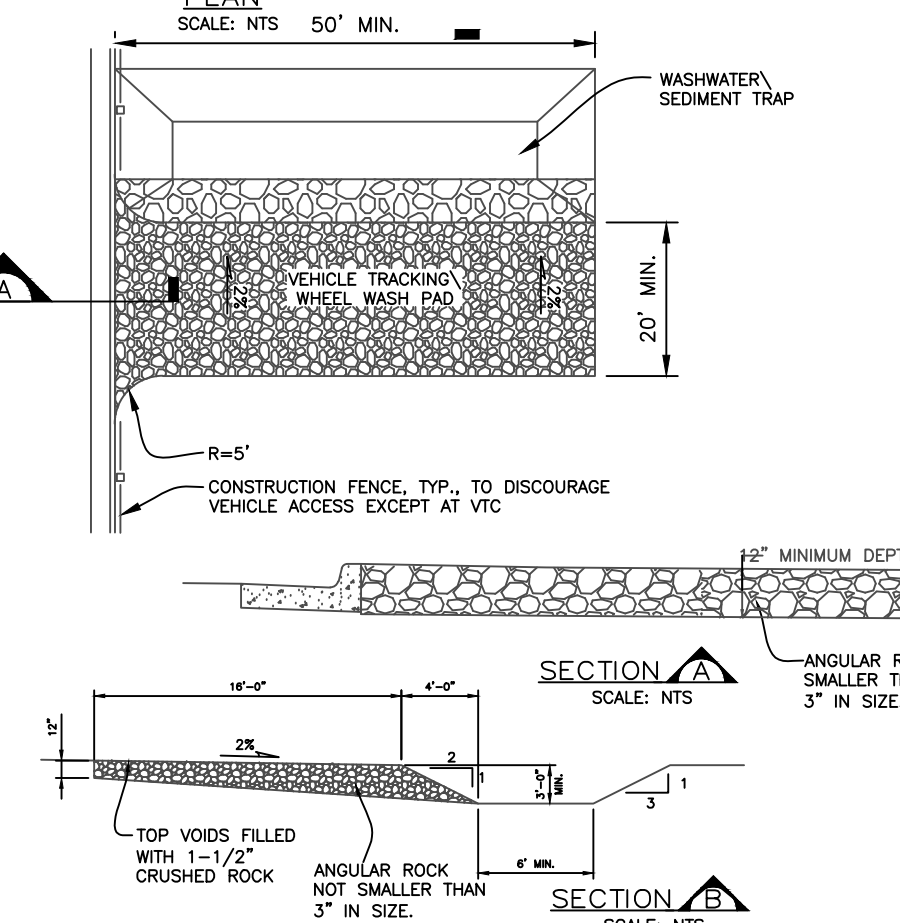

SPECIES	VARIETY	NOTES	% IN MIX	POUNDS OF PLS PER ACRE
SMOOTH BROMEGRASS	LINCOLN	PICIS	30	3.9
INTERMEDIATE WHEATGRASS	DAHE	PICIS	30	4.5
PUBESCENT WHEATGRASS	LUNA	PICIS	30	4.2
ANNUAL RYEGRASS	N/A	ACGB	10	0.8
		TOTAL	100	13.4

- NOTES: P=PERENNIAL
- A=ANNUAL
- I=INTRODUCED
- C=COLD SEASON
- S=SOD FORMER
- B=BUNCHGRASS

SM

SEEDING AND MULCHING

19

<div><p>SLOPE INTERCEPT DITCH INSTALLATION NOTES</p><ol style="list-style-type: none">MATERIALS CUT OUT OF DITCH TO FORM A COMPACTED BERM ADJACENT TO AND ON THE CONSTRUCTION AREA SIDE OF DITCH.SLOPE INTERCEPT DITCH SHALL HAVE A MINIMUM DEPTH OF 10".COMPACTED BERM SHALL HAVE A MINIMUM HEIGHT OF 10".SLOPE INTERCEPT DITCH SHALL BE CUT IN ON THE CONTOUR.SLOPE INTERCEPT DITCH CAN BE USED IN PLACE OF SILT FENCE (SF) AND SEDIMENT CONTROL LOGS (SCL).SEE PLAN VIEW FOR LOCATION.<p>SLOPE INTERCEPT DITCH MAINTENANCE NOTES</p><ol style="list-style-type: none">THE GESC MANAGER SHALL INSPECT AS NECESSARY TO ENSURE THE ADEQUACY AND FUNCTIONALITY OF THE CONTROL MEASURE.SEDIMENT ACCUMULATED IN DITCH SHALL BE REMOVED WHEN DITCH BECOMES 1/2 FULL. REMOVED SEDIMENT SHALL BE PLACED ON AND COMPACTED WITH THE ADJACENT BERM.BERM MATERIAL TO FILL DITCH UPON COMPLETION OF CONSTRUCTION. ALL DISTURBED AREAS TO BE SEEDED AND MULCHED PER DETAIL 19.</div> <div><p>SID SLOPE INTERCEPT DITCH (22)</p></div>	<div><p>STABILIZED STAGING AREA INSTALLATION NOTES</p><ol style="list-style-type: none">SEE PLAN VIEW FOR GENERAL LOCATION OF STAGING AREA. CONTRACTOR MAY MODIFY LOCATION AND SIZE OF STABILIZED STAGING AREA WITH SEMSWA APPROVAL.STABILIZED STAGING AREA SHALL BE LARGE ENOUGH TO FULLY CONTAIN PARKING, STORAGE, AND UNLOADING AND LOADING OPERATIONS.IF REQUIRED BY SEMSWA, SITE ACCESS ROADS SHALL BE STABILIZED IN THE SAME MANNER AS THE STAGING AREA.STAGING AREA SHALL BE STABILIZED PRIOR TO ANY OTHER OPERATIONS ON THE SITE.THE STABILIZED STAGING AREA SHALL CONSIST OF A MINIMUM OF 3" OF GRANULAR MATERIAL (GRAVEL).<p>STABILIZED STAGING AREA MAINTENANCE NOTES</p><ol style="list-style-type: none">THE GESC MANAGER SHALL INSPECT AS NECESSARY TO ENSURE THE ADEQUACY AND FUNCTIONALITY OF THE CONTROL MEASURE.GESC MANAGER SHALL PROVIDE ADDITIONAL THICKNESS OF GRANULAR MATERIAL IF ANY RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.STABILIZED STAGING AREA SHALL BE MAINTAINED IF NECESSARY TO CONTAIN PARKING, STORAGE, AND UNLOADING AND LOADING OPERATIONS.ANY ACCUMULATED DIRT OR MUD SHALL BE REMOVED FROM THE SURFACE OF THE STABILIZED STAGING AREA.THE STABILIZED STAGING AREA SHALL BE REMOVED AT THE END OF CONSTRUCTION. THE GRANULAR MATERIAL SHALL BE REMOVED OR, IF APPROVED BY SEMSWA, USED ON SITE, AND THE AREA TOPSOILED, DRILL SEEDED AND CRIMP MULCHED OR OTHERWISE STABILIZED.</div> <div><p>SSA STABILIZED STAGING AREA (23)</p></div>	<div><p>SURFACE ROUGHENING INSTALLATION NOTES</p><ol style="list-style-type: none">SURFACE ROUGHENING SHALL BE PROVIDED ON ALL FINISHED GRADES (SLOPES AND "FLAT" AREAS) WITHIN 2 DAYS OF COMPLETION OF FINISHED GRADE (FOR AREAS NOT RECEIVING TOPSOIL) OR WITHIN 2 DAYS OF TOPSOIL PLACEMENT.AREAS WHERE BUILDING FOUNDATIONS, PAVEMENT, OR SOD IS TO BE PLACED WITHIN 7-DAYS OF FINISHED GRADING DO NOT NEED TO BE SURFACE ROUGHENED.DISTURBED SURFACES SHALL BE ROUGHENED USING RIPPING OR TILLING EQUIPMENT ON THE CONTOUR OR TRACKING UP AND DOWN A SLOPE USING EQUIPMENT TREADS.<p>SURFACE ROUGHENING MAINTENANCE NOTES</p><ol style="list-style-type: none">THE GESC MANAGER SHALL INSPECT AS NECESSARY TO ENSURE THE ADEQUACY AND FUNCTIONALITY OF THE CONTROL MEASURE.VEHICLES AND EQUIPMENT SHALL GENERALLY BE CONFINED TO ACCESS DRIVES AND SHALL NOT BE DRIVEN OVER AREAS THAT HAVE BEEN SURFACE ROUGHENED.IN NON-TURF GRASS FINISHED AREAS, SEEDING AND MULCHING SHALL TAKE PLACE DIRECTLY OVER SURFACE ROUGHENED AREAS WITHOUT FIRST SMOOTHING OUT THE SURFACE.IN AREAS NOT SEEDED AND MULCHED AFTER SURFACE ROUGHENING, SURFACES SHALL BE RE-ROUGHENED AS NECESSARY TO MAINTAIN GROOVE DEPTH AND SMOOTH OVER ANY RILL EROSION.</div> <div><p>SR SURFACE ROUGHENING (24)</p></div>	<div><p>SLOPE DRAIN INSTALLATION NOTES</p><ol style="list-style-type: none">SEE PLAN VIEW FOR:<ul style="list-style-type: none">LOCATION AND LENGTH OF SLOPE DRAIN.PIPE DIAMETER, "D", AND RIPRAP SIZE, "D₅₀".SLOPE DRAIN DIMENSIONS SHALL BE CONSIDERED MINIMUM DIMENSIONS; CONTRACTOR MAY ELECT TO INSTALL LARGER FACILITIES. ANY DAMAGE TO SLOPE OR SLOPE DRAIN DURING RUNOFF EVENTS SHALL BE THE CONTRACTOR'S RESPONSIBILITY.SLOPE DRAINS INDICATED ON INITIAL GESC PLAN SHALL BE INSTALLED PRIOR TO ANY UPSTREAM LAND-DISTURBING ACTIVITIES.FOR TEMPORARY SLOPE DRAINS, PIPE MAY BE INSTALLED ON TOP OF SLOPE; HOWEVER, 12" MIN. COVER AT TOP OF SLOPE SHALL BE PROVIDED.AN ENERGY DISSIPATOR SHALL BE PLACED AT THE OUTFALL OF THE SLOPE DRAIN.<p>SLOPE DRAIN MAINTENANCE NOTES</p><ol style="list-style-type: none">THE GESC MANAGER SHALL INSPECT AS NECESSARY TO ENSURE THE ADEQUACY AND FUNCTIONALITY OF THE CONTROL MEASURE.TEMPORARY SLOPE DRAINS ARE TO REMAIN IN PLACE UNTIL NO LONGER NEEDED, BUT SHALL BE REMOVED PRIOR TO THE END OF CONSTRUCTION. WHEN SLOPE DRAINS ARE REMOVED, THE DISTURBED AREA SHALL BE DRILL SEEDED AND CRIMP MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY SEMSWA.</div> <div><p>TSD TEMPORARY SLOPE DRAIN (25)</p></div>	<div><p>FORD CROSSING INSTALLATION NOTES</p><ol style="list-style-type: none">SEE PLAN VIEW FOR:<ul style="list-style-type: none">LOCATIONS OF TEMPORARY STREAM CROSSING.LENGTH, "L", CREST LENGTH, "L_C", CROSSING HEIGHT, "H", DEPTH, "D", CULVERT DIAMETER, "CD", AND NUMBER, TYPE AND CLASS OR GAUGE OF CULVERTS.TEMPORARY STREAM CROSSING DIMENSIONS, D₅₀, AND NUMBER OF CULVERTS INDICATED (FOR CULVERT CROSSING) SHALL BE CONSIDERED MINIMUM DIMENSIONS; ENGINEER MAY ELECT TO INSTALL LARGER FACILITIES. ANY DAMAGE TO STREAM CROSSING OR EXISTING STREAM CHANNEL DURING BASEFLOW OR FLOOD EVENTS SHALL BE THE CONTRACTOR'S RESPONSIBILITY.SEE SHEET 1 FOR RIPRAP AND 1-1/2" CRUSHED ROCK GRADATIONS.FOR A TEMPORARY STREAM CROSSING THAT WILL CARRY LOADS, THE TEMPORARY STREAM CROSSING MUST BE DESIGNED BY THE DESIGN ENGINEER, AND OLY USED IF APPROVED BY SEMSWA.<p>TEMPORARY STREAM CROSSING MAINTENANCE NOTES</p><ol style="list-style-type: none">THE GESC MANAGER SHALL INSPECT AS NECESSARY TO ENSURE THE ADEQUACY AND FUNCTIONALITY OF THE CONTROL MEASURE.SEDIMENT ACCUMULATED UPSTREAM OF STREAM CROSSINGS SHALL BE REMOVED WHEN THE SEDIMENT DEPTH UPSTREAM OF CROSSING IS WITHIN 50% OF THE CREST (FORD CROSSING) OR GREATER THAN AN AVERAGE DEPTH OF 50% (CULVERT CROSSING).STREAM CROSSINGS ARE TO REMAIN IN PLACE UNTIL NO LONGER NEEDED, BUT SHALL BE REMOVED PRIOR TO THE END OF CONSTRUCTION.WHEN STREAM CROSSINGS ARE REMOVED, THE DISTURBED AREA SHALL BE DRILL SEEDED AND CRIMP MULCHED AND COVERED WITH EROSION CONTROL BLANKET OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE SEMSWA.</div> <div><p>TSC TEMPORARY STREAM CROSSING (26)</p></div>
<div><p>VEHICLE TRACKING CONTROL INSTALLATION NOTES</p><ol style="list-style-type: none">VEHICLE TRACKING CONTROL PADS SHALL BE INSTALLED AT EVERY EXIT POINT OF THE SITE.VEHICLE TRACKING CONTROL PADS SHALL CONSIST OF HARD, DENSE, DURABLE STONE, ANGULAR IN SHAPE AND RESISTANT TO WEATHERING. ROUNDED STONE OR BOULDERS WILL NOT BE ACCEPTABLE. THE STONES SHALL NOT BE SMALLER THAN 3" IN SIZE. THE STONE SHALL HAVE A SPECIFIC GRAVITY OF AT LEAST 2.6. CONTROL OF GRADATION WILL BE BY VISUAL INSPECTIONS.ANY CRACKED OR DAMAGED CURB AND GUTTER AND SIDEWALK SHALL BE REPLACED BY PERMITTEE.<p>VEHICLE TRACKING CONTROL MAINTENANCE NOTES</p><ol style="list-style-type: none">THE GESC MANAGER SHALL INSPECT AS NECESSARY TO ENSURE THE ADEQUACY AND FUNCTIONALITY OF THE CONTROL MEASURE.VEHICLE TRACKING CONTROL SHALL BE REMOVED AT THE END OF CONSTRUCTION. THE ROCK MATERIAL REMOVED OR, IF APPROVED BY SEMSWA, USED ON SITE, AND THE AREA TOPSOILED, DRILL SEEDED AND CRIMP MULCHED OR OTHERWISE STABILIZED.</div> <div><p>VTC VEHICLE TRACKING CONTROL (27)</p></div>	<div><p>VEHICLE TRACKING CONTROL WITH WHEEL WASH INSTALLATION NOTES</p><ol style="list-style-type: none">SEMSWA RESERVES THE RIGHT TO REQUIRE VEHICLE TRACKING CONTROL WITH WHEEL WASH FACILITIES AT SITES WHERE TRACKING ONTO PAVED AREAS BECOMES A SIGNIFICANT PROBLEM.IF VEHICLE TRACKING CONTROL WITH WHEEL WASH FACILITIES ARE REQUIRED, ALL WHEELS ON EVERY VEHICLE LEAVING THE SITE SHALL BE CLEANED OF MUD USING A PRESSURE-WASHER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A WATER SOURCE.VEHICLE TRACKING CONTROL PADS SHALL CONSIST OF HARD, DENSE, DURABLE STONE, ANGULAR IN SHAPE AND RESISTANT TO WEATHERING. ROUNDED STONE OR BOULDERS WILL NOT BE ACCEPTABLE. THE STONES SHALL NOT BE SMALLER THAN 3" IN SIZE. THE STONE SHALL HAVE A SPECIFIC GRAVITY OF AT LEAST 2.6. CONTROL OF GRADATION WILL BE BY VISUAL INSPECTIONS.ANY CRACKED OR DAMAGED CURB AND GUTTER AND SIDEWALK SHALL BE REPLACED BY CONTRACTOR.<p>VEHICLE TRACKING CONTROL WITH WHEEL WASH MAINTENANCE NOTES</p><ol style="list-style-type: none">THE GESC MANAGER SHALL INSPECT AS NECESSARY TO ENSURE THE ADEQUACY AND FUNCTIONALITY OF THE CONTROL MEASURE.ACCUMULATED SEDIMENT IN THE WASHWATER/SEDIMENT TRAP SHALL BE REMOVED WHEN THE SEDIMENT DEPTH REACHES AN AVERAGE OF 12-INCHES.VEHICLE TRACKING CONTROL WITH WHEEL WASH FACILITY SHALL BE REMOVED AT THE END OF CONSTRUCTION. THE RIPRAP MATERIAL REMOVED OR, IF APPROVED BY THE COUNTY, USED ON SITE, AND THE AREA TOPSOILED, DRILL SEEDED AND CRIMP MULCHED OR OTHERWISE STABILIZED.</div> <div><p>WW VTC WITH WHEEL WASH (28)</p></div>			