

DEO EROSION AND SEDIMENT CONTROL PLAN NOTES:

- HOLD A PRE-CONSTRUCTION MEETING OF PROJECT CONSTRUCTION PERSONNEL THAT INCLUDES THE INSPECTOR TO DISCUSS EROSION AND SEDIMENT CONTROL MEASURES AND CONSTRUCTION LIMITS.
- 2. ALL INSPECTIONS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS. (SCHEDULE A.12.B AND SCHEDULE B.1)
- 3. INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200-C PERMIT REQUIREMENTS. (SCHEDULE B.1.C AND B.2)
- 4. RETAIN A COPY OF THE ESCP AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO DEQ, AGENT, OR THE LOCAL MUNICIPALITY. DURING INACTIVE PERIODS OF GREATER THAN SEVEN (7) CONSECUTIVE CALENDAR DAYS, THE ABOVE RECORDS MUST BE RETAINED BY THE PERMIT REGISTRANT BUT DO NOT NEED TO BE AT THE CONSTRUCTION SITE. (SCHEDULE B.2.C)
- ALL PERMIT REGISTRANTS MUST IMPLEMENT THE ESCP. FAILURE TO IMPLEMENT ANY OF THE CONTROL MEASURES OR PRACTICES DESCRIBED IN THE ESCP IS A VIOLATION OF THE PERMIT.
- 6. THE ESCP MUST BE ACCURATE AND REFLECT SITE CONDITIONS. (SCHEDULE A.12.C.I) SUBMISSION OF ALL ESCP REVISIONS IS NOT REQUIRED. SUBMITTAL OF THE ESCP REVISIONS IS
- ONLY UNDER SPECIFIC CONDITIONS. SUBMIT ALL NECESSARY REVISION TO DEQ OR AGENT WITHIN 10 DAYS. (SCHEDULE A.12.C.IV. AND V)
- 8. PHASE CLEARING AND GRADING TO THE MAXIMUM EXTENT PRACTICAL TO PREVENT EXPOSED INACTIVE AREAS FROM BECOMING A SOURCE OF EROSION. (SCHEDULE A.7.A.III)
- IDENTIFY, MARK, AND PROTECT (BY CONSTRUCTION FENCING OR OTHER MEANS) CRITICAL RIPARIAN AREAS AND VEGETATION INCLUDING IMPORTANT TREES AND ASSOCIATED ROOTING ZONES, AND VEGETATION AREAS TO BE PRESERVED. IDENTIFY VEGETATIVE BUFFER ZONES BETWEEN THE SITE AND SENSITIVE AREAS (E.G., WETLANDS), AND OTHER AREAS TO BE PRESERVED, ESPECIALLY IN PERIMETER AREAS. (SCHEDULE A.8.C.I.(1) AND (2))
- 10. PRESERVE EXISTING VEGETATION WHEN PRACTICAL AND RE-VEGETATE OPEN AREAS. RE-VEGETATE OPEN AREAS WHEN PRACTICABLE BEFORE AND AFTER GRADING OR CONSTRUCTION. IDENTIFY THE TYPE OF VEGETATIVE SEED MIX USED. (SCHEDULE A.7.A.V)
- 11. MAINTAIN AND DELINEATE ANY EXISTING NATURAL BUFFER WITHIN THE 50-FEET OF WATERS OF THE STATE. (SCHEDULE A.7.B.I.AND (2(A)(B))
- 12. INSTALL PERIMETER SEDIMENT CONTROL, INCLUDING STORM DRAIN INLET PROTECTION AS WELL AS ALL SEDIMENT BASINS, TRAPS, AND BARRIERS PRIOR TO LAND DISTURBANCE. (SCHEDULE
- 13. CONTROL BOTH PEAK FLOW RATES AND TOTAL STORMWATER VOLUME, TO MINIMIZE EROSION AT OUTLETS AND DOWNSTREAM CHANNELS AND STREAMBANKS. (SCHEDULE A.7.C)
- 14. CONTROL SEDIMENT AS NEEDED ALONG THE SITE PERIMETER AND AT ALL OPERATIONAL INTERNAL STORM DRAIN INLETS AT ALL TIMES DURING CONSTRUCTION, BOTH INTERNALLY AND AT THE SITE BOUNDARY. (SCHEDULE A.7.D.I)
- 15. ESTABLISH CONCRETE TRUCK AND OTHER CONCRETE EQUIPMENT WASHOUT AREAS BEFORE BEGINNING CONCRETE WORK. (SCHEDULE A.8.C.I.(6))
- 16. APPLY TEMPORARY AND/OR PERMANENT SOIL STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS AS GRADING PROGRESSES. TEMPORARY OR PERMANENT STABILIZATIONS MEASURES ARE NOT REQUIRED FOR AREAS THAT ARE INTENDED TO BE LEFT UNVEGETATED, SUCH AS DIRT ACCESS ROADS OR UTILITY POLE PADS.(SCHEDULE A.8.C.II.(3))
- 17. ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON-STORMWATER CONTROLS. (SCHEDULE A.8.C.I.(7))
- 18. PREVENT TRACKING OF SEDIMENT ONTO PUBLIC OR PRIVATE ROADS USING BMPS SUCH AS: CONSTRUCTION ENTRANCE, GRAVELED (OR PAVED) EXITS AND PARKING AREAS, GRAVEL ALL UNPAVED ROADS LOCATED ONSITE, OR USE AN EXIT TIRE WASH. THESE BMPS MUST BE IN PLACE PRIOR TO LANDDISTURBING ACTIVITIES. (SCHEDULE A 7.D.II AND A.8.C.I(4))
- 19. WHEN TRUCKING SATURATED SOILS FROM THE SITE, EITHER USE WATER-TIGHT TRUCKS OR DRAIN LOADS ON SITE. (SCHEDULE A.7.D.II.(5))
- 20. CONTROL PROHIBITED DISCHARGES FROM LEAVING THE CONSTRUCTION SITE, I.E., CONCRETE WASH-OUT, WASTEWATER FROM CLEANOUT OF STUCCO, PAINT AND CURING COMPOUNDS.
- 21. USE BMPS TO PREVENT OR MINIMIZE STORMWATER EXPOSURE TO POLLUTANTS FROM SPILLS; VEHICLE AND EQUIPMENT FUELING, MAINTENANCE, AND STORAGE; OTHER CLEANING AND MAINTENANCE ACTIVITIES; AND WASTE HANDLING ACTIVITIES. THESE POLLUTANTS INCLUDE FUEL, HYDRAULIC FLUID, AND OTHER OILS FROM VEHICLES AND MACHINERY, AS WELL AS DEBRIS, FERTILIZER, PESTICIDES AND HERBICIDES, PAINTS, SOLVENTS, CURING COMPOUNDS AND ADHESIVES FROM CONSTRUCTION OPERATIONS. (SCHEDULE A.7.E.I.(2))
- 22. IMPLEMENT THE FOLLOWING BMPS WHEN APPLICABLE: WRITTEN SPILL PREVENTION AND RESPONSE PROCEDURES, EMPLOYEE TRAINING ON SPILL PREVENTION AND PROPER DISPOSAL PROCEDURES, SPILL KITS IN ALL VEHICLES, REGULAR MAINTENANCE SCHEDULE FOR VEHICLES AND MACHINERY MATERIAL DELIVERY AND STORAGE CONTROLS, TRAINING AND SIGNAGE, AND COVERED STORAGE AREAS FOR WASTE AND SUPPLIES. (SCHEDULE A. 7.E.III.)
- 23. USE WATER, SOIL-BINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO AVOID WIND-BLOWN SOIL. (SCHEDULE A 7.A.IV)
- 24. THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW MANUFACTURER'S RECOMMENDATIONS TO MINIMIZE NUTRIENT RELEASES TO SURFACE WATERS. EXERCISE CAUTION WHEN USING TIME-RELEASE FERTILIZERS WITHIN ANY WATERWAY RIPARIAN ZONE. (SCHEDULE A.9.B.III)
- 25. IF AN ACTIVE TREATMENT SYSTEM (FOR EXAMPLE, ELECTRO-COAGULATION, ELOCCULATION) FILTRATION, ETC.) FOR SEDIMENT OR OTHER POLLUTANT REMOVAL IS EMPLOYED, SUBMIT AN OPERATION AND MAINTENANCE PLAN (INCLUDING SYSTEM SCHEMATIC, LOCATION OF SYSTEM, LOCATION OF INLET, LOCATION OF DISCHARGE, DISCHARGE DISPERSION DEVICE DESIGN, AND A SAMPLING PLAN AND FREQUENCY) BEFORE OPERATING THE TREATMENT SYSTEM. OBTAIN PLAN APPROVAL BEFORE OPERATING THE TREATMENT SYSTEM. OPERATE AND MAINTAIN THE TREATMENT SYSTEM ACCORDING TO MANUFACTURER'S SPECIFICATIONS. (SCHEDULE A.9.D)
- 26. TEMPORARILY STABILIZE SOILS AT THE END OF THE SHIFT BEFORE HOLIDAYS AND WEEKENDS, IF NEEDED. THE REGISTRANT IS RESPONSIBLE FOR ENSURING THAT SOILS ARE STABLE DURING RAIN EVENTS AT ALL TIMES OF THE YEAR. (SCHEDULE A 7.B)
- 27. AS NEEDED BASED ON WEATHER CONDITIONS, AT THE END OF EACH WORKDAY SOIL STOCKPILES MUST BE STABILIZED OR COVERED, OR OTHER BMPS MUST BE IMPLEMENTED TO PREVENT DISCHARGES TO SURFACE WATERS OR CONVEYANCE SYSTEMS LEADING TO SURFACE WATERS. (SCHEDULE A 7.E.II.(2))
- 28. CONSTRUCTION ACTIVITIES MUST AVOID OR MINIMIZE EXCAVATION AND BARE GROUND ACTIVITIES DURING WET WEATHER. (SCHEDULE A.7.A.I)
- 29. SEDIMENT FENCE: REMOVE TRAPPED SEDIMENT BEFORE IT REACHES ONE THIRD OF THE ABOVE GROUND FENCE HEIGHT AND BEFORE FENCE REMOVAL. (SCHEDULE A.9.C.I)
- 30. OTHER SEDIMENT BARRIERS (SUCH AS BIOBAGS): REMOVE SEDIMENT BEFORE IT REACHES TWO INCHES DEPTH ABOVE GROUND HEIGHT AND BEFORE BMP REMOVAL. (SCHEDULE A.9.C.I)
- 31. CATCH BASINS: CLEAN BEFORE RETENTION CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT. SEDIMENT BASINS AND SEDIMENT TRAPS: REMOVE TRAPPED SEDIMENTS BEFORE DESIGN CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT AND AT COMPLETION OF PROJECT. (SCHEDULE A.9.C.III &
- 32. WITHIN 24 HOURS, SIGNIFICANT SEDIMENT THAT HAS LEFT THE CONSTRUCTION SITE, MUST BE REMEDIATED. INVESTIGATE THE CAUSE OF THE SEDIMENT RELEASE AND IMPLEMENT STEPS TO PREVENT A RECURRENCE OF THE DISCHARGE WITHIN THE SAME 24 HOURS. ANY IN-STREAM CLEAN-UP OF SEDIMENT SHALL BE PERFORMED ACCORDING TO THE OREGON DIVISION OF STATE LANDS REQUIRED TIMEFRAME. (SCHEDULE A.9.B.I)
- 33. THE INTENTIONAL WASHING OF SEDIMENT INTO STORM SEWERS OR DRAINAGE WAYS MUST NOT OCCUR. VACUUMING OR DRY SWEEPING AND MATERIAL PICKUP MUST BE USED TO CLEANUP RELEASED SEDIMENTS. (SCHEDULE A.9.B.II)
- 34. THE ENTIRE SITE MUST BE TEMPORARILY STABILIZED USING VEGETATION OR A HEAVY MULCH LAYER, TEMPORARY SEEDING, OR OTHER METHOD SHOULD ALL CONSTRUCTION ACTIVITIES CEASE FOR 30 DAYS OR MORE. (SCHEDULE A.7.F.I) 35. PROVIDE TEMPORARY STABILIZATION FOR THAT PORTION OF THE SITE WHERE CONSTRUCTION ACTIVITIES CEASE FOR 14 DAYS OR MORE WITH A COVERING OF BLOWN STRAW AND A TACKIFIER, LOOSE STRAW, OR AN ADEQUATE COVERING OF COMPOST MULCH UNTIL WORK RESUMES ON THAT PORTION OF THE SITE. (SCHEDULE A.7.F.II)
- 36. DO NOT REMOVE TEMPORARY SEDIMENT CONTROL PRACTICES UNTIL PERMANENT VEGETATION OR OTHER COVER OF EXPOSED AREAS IS ESTABLISHED. ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED. ALL TEMPORARY EROSION CONTROLS AND RETAINED SOILS MUST BE REMOVED AND DISPOSED OF PROPERLY, UNLESS DOING SO CONFLICTS WITH LOCAL REQUIREMENTS. (SCHEDULE A.8.C.III(1) AND D.3.C.II AND III)

ATTENTION EXCAVATORS:

OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THESE RULES FROM THE CENTER BY CALLING 503-232-1987. IF YOU HAVE ANY QUESTIONS ABOUT THE RULES, YOU MAY CONTACT THE CENTER. YOU MUST NOTIFY THE CENTER AT LEAST TWO BUSINESS DAYS BEFORE COMMENCING ANY EXCAVATION. CALL 503-246-6699 OR 811. REFER TO WWW.DIGSAFELYOREGON.COM

BMP MATRIX FOR CONSTRUCTION PHASES

REFER TO DEQ GUIDANCE MANUAL FOR A COMPREHENSIVE LIST OF AVAILABLE BMP'S.

בארט-	YEAR:				2016								2017						
BMPs	MONTHS#:	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL.	AUG	SEP	OCT	NO1
DURING CONSTRUCTION																			
PIPE SLOPE DRAINS																		~~	
ENERGY DISSIPATERS																			
TEMPORARY DIVERSION DIKES, RUN-ON DIVERSION																			
CHECK DAMS																			
TEMPORARY SEEDING AND PLANTING																			
PERMANENT SEEDING AND PLANTING													X	X	X	X	Χ		
MYCORRIZEA/BIOFERTILIZERS																			
SEEDED MULCHES																			
CONSTRUCTION ENTRANCE		Х	X	X	X	X	X	X	Х	X	X	X	Х	Х	X				
COMPOST BLANKETS					X	X	X	X	X	X	Х	X	X						
COMPOST SOCKS																			
COMPOST BERM																			
SOIL TACKIFIERS																			
SODDING VEGETATIVE BUFFER STRIPS																			
SEDIMENT FENCING		Х	X	Χ	X	X	X	Х	Х	X	Х	X	X	X	X				
EROSION CONTROL BLANKETS AND MATS					X	X	X	X	X	X	X	X	X						
EARTH DIKES (STABILIZED)																			
DRAINAGE SWALES, GRASS-LINED CHANNELS																			
ROCK OUTLET PROTECTION					X	X	X	X	X	X	Х	X	X	X	X				
SEDIMENT TRAP																			
STRAW WATTLES		Х	X	X	X	X	X	X	X	X	X	X	X	Х	X				
STORM DRAIN INLET PROTECTION		X	X	X	X	Х	X	X	X	X	X	X	Х	Х	X				
TEMPORARY OR PERMANENT SEDIMENTATION BASINS																			
UNPAVED ROADS GRAVELED OR OTHER BMP ON THE ROAD																			
DEWATERING (TREATMENT LOCATION, SCHEMATIC, AND SAMPLING PLAN REQUIRED)																		
PAVING OPERATIONS CONTROLS																			
CONCRETE TRUCK WASHOUT				X	X	X	X	X	X	X	X	X	Х						

THE PERMITTEE IS REQUIRED TO MEET ALL OF CONDITIONS OF THE 1200-C PERMIT. THIS EROSION AND SEDIMENT CONTROL PLAN AND GENERAL CONDITIONS HAVE BEEN DEVELOPED TO FACILITATE COMPLIANCE WITH THE 1200-C PERMIT REQUIREMENTS. IN CASES OF

DISCREPANCIES OR OMISSIONS, THE 1200-C PERMIT REQUIREMENTS

SUPERSEDE REQUIREMENTS OF THIS PLAN.

RATIONALE STATEMENT:

A COMPREHENSIVE LIST OF AVAILABLE BEST MANAGEMENT PRACTICES (BMP) OPTIONS BASED ON DEQ'S GUIDANCE MANUAL HAS BEEN REVIEWED TO COMPLETE THIS EROSION AND SEDIMENT CONTROL PLAN. SOME OF THE ABOVE LISTED BMPS WERE NOT CHOSEN BECAUSE THEY WERE DETERMINED TO NOT EFFECTIVELY MANAGE EROSION PREVENTION AND SEDIMENT CONTROL FOR THIS PROJECT BASED ON SPECIFIC SITE CONDITIONS, INCLUDING SOIL CONDITIONS, TOPOGRAPHIC CONSTRAINTS, ACCESSIBILITY TO THE SITE, AND OTHER RELATED CONDITIONS. AS THE PROJECT PROGRESSES AND THERE IS A NEED TO REVISE THE ESCP, AN ACTION PLAN WILL BE SUBMITTED.

INSPECTION FREQUENCY

SITE CONDITION	MINIMUM FREQUENCY
1. ACTIVE PERIOD	DAILY WHEN STORMWATER RUNOFF, INCLUDING RUNOFF FROM SNOWMELT, IS OCCURRING. AT LEAST ONCE EVERY TWO WEEKS, REGARDLESS OF WHETHER OR NOT RUNOFF IS OCCURRING.
2. PRIOR TO THE SITE BECOMING INACTIVE OR ANTICIPATION OF SITE INACCESSIBILITY.	ONCE TO ENSURE THAT EROSION AND SEDIMENT CONTROL MEASURES ARE IN WORKING ORDER. ANY NECESSARY MAINTENANCE AND REPAIR MUST BE MADE PRIOR TO LEAVING THE SITE.
3. INACTIVE PERIODS GREATER THAN FOURTEEN CONSECUTIVE CALENDAR DAYS.	ONCE EVERY TWO (2) WEEKS.
4. PERIODS DURING WHICH THE SITE IS INACCE DUE TO INCLEMENT WEATHER.	SSIBLE IF PRACTICAL, INSPECTIONS MUST OCCUR DAILY AT A RELEVANT AND ACCESSIBLE DISCHARGE POINT OR DOWNSTREAM LOCATION.

- HOLD A PRE-CONSTRUCTION MEETING OF PROJECT CONSTRUCTION PERSONNEL THAT INCLUDES THE EROSION CONTROL INSPECTOR.
- ALL INSPECTIONS MUST BE MADE IN ACCORDANCE WITH DEQ 1200—C PERMIT REQUIREMENTS. . INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS.
- CHANGES TO THE APPROVED ESC PLAN MUST BE SUBMITTED TO DEQ IN ACCORDANCE WITH CURRENT 1200-C

PERMITTEE'S SITE INSPECTOR:

NAME: EMAIL: PHONE: FAX: EXPERIENCE:	MARK WHARRY, KPFF mark.wharry@KPFF.com , 503-542-3860 503-274-4681 TEN YEARS DESIGNING AND REVIEW ONSITE EROSION CONTROL PLANS IN OREGON
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PROPERTY DESCRIPTION:

- SUNSET PRIMARY SCHOOL PROPERTY ADDRESS:
- 2351 OXFORD STREET, WEST LINN, OREGON.

 DESCRIPTION: 2S 1E SECTION 25 DC, TAX LOTS 600, 3700, 5800, 6200, and 6300.

NARRATIVE DESCRIPTIONS:

EXISTING SITE CONDITIONS

- EXISTING PRIMARY SCHOOL FACILITY WITH PRIMARY SCHOOL BUILDING, SEPARATE COVERED PLAY STRUCTURE, SMALL FRONT PARKING AREA, PAVED HARDSCAPE AREAS, PLAYFIELDS AND LANDSCAPE AREAS.
- ALL STORM WATER ON SITE IS CURRENTLY UNTREATED OR UNDETAINED. IT DISCHARGES TO THE CITY STORM SEWER SYSTEM IN PARK & EXETER STREETS.

DEVELOPED CONDITIONS

- THE EXISTING SCHOOL AND ASSOCIATED STRUCTURES ARE ALL BEING DEMOLISHED. A NEW PRIMARY SCHOOL BUILDING WILL BE CONSTRUCTED ON THE EXISTING PLAYFIELD
- AREA EAST OF THE EXISTING SCHOOL. ALL EXISTING PAVING, SIDEWALKS AND PLAZAS WILL BE DEMOLISHED. NEW EXPANDED
- PARKING AREAS WILL BE CONFIGURED ON THE WEST AND SOUTHEAST ENDS OF THE ONCE THE NEW SCHOOL IS CONSTRUCTED, THE EXISTING SCHOOL WILL BE DEMOLISHED
- AND REPLACED WITH PARKING AND A PLAYFIELD AREA. ALL STORMWATER FROM THE SITE WILL BE TREATED AND DETAINED ONSITE BEFORE DISCHARGE TO THE CITY OF WEST LINN PUBLIC STORM SEWER SYSTEM. A NEW COMBINATION WATER QUALITY & DETENTION PLANTER/POND FACILITY WILL BE

CONSTRUCTED AT THE SOUTHEAST (DOWNHILL) CORNER OF THE SITE.

NATURE OF CONSTRUCTION ACTIVITY AND ESTIMATED TIME TABLE

- CLEARING & BUILDING MASS GRADING: UTILITY INSTALLATION & BUILDING CONSTRUCTION:
- JULY SEPT, 2016 SEPT 2016 JUNE 2017 STREET CONSTRUCTION & COMPLETION OF SITE GRADING: APRIL - AUGUST 2017 FINAL LANDSCAPING & SITE STABILIZATION: JULY - AUGUST 2017
- TOTAL SITE AREA: 6.26 ACRES TOTAL DISTURBED AREA: 5.32 ACRES

SITE SOIL CLASSIFICATION

 JORY SERIES SILTY CLAY LOAM, 0 TO 15 PERCENT SLOPES, HYDROLOGIC SOILS GROUP C, PERMEABILITY MODERATELY LOW, RUNOFF MEDIUM & HAZARD OF EROSION IS MODERATE

RECEIVING WATER BODIES PUBLIC CITY OF WEST LINN STORM SEWER DISCHARGING TO WILLAMETTE RIVER



Tualatin, OR 97062 (503) 673 7995



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EXPIRES 6/30/16 \Box

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key plan

phase | Conformed Set

date | June 15, 2016

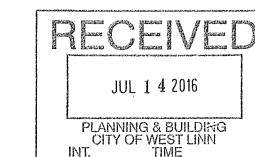
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SHEET INDEX:

ARCHITECT:

CONTRACTOR:

EROSION AND SEDIMENT CONTROL PLANS
EC1.00 DEQ EROSION CONTROL COVER SHEET
EC1.01 EROSION CONTROL PLAN NORTHWEST EROSION CONTROL PLAN NORTHEAST EC1.03 EROSION CONTROL PLAN SOUTHEAST STORMWATER DRAINAGE



PROJECT CONTACTS

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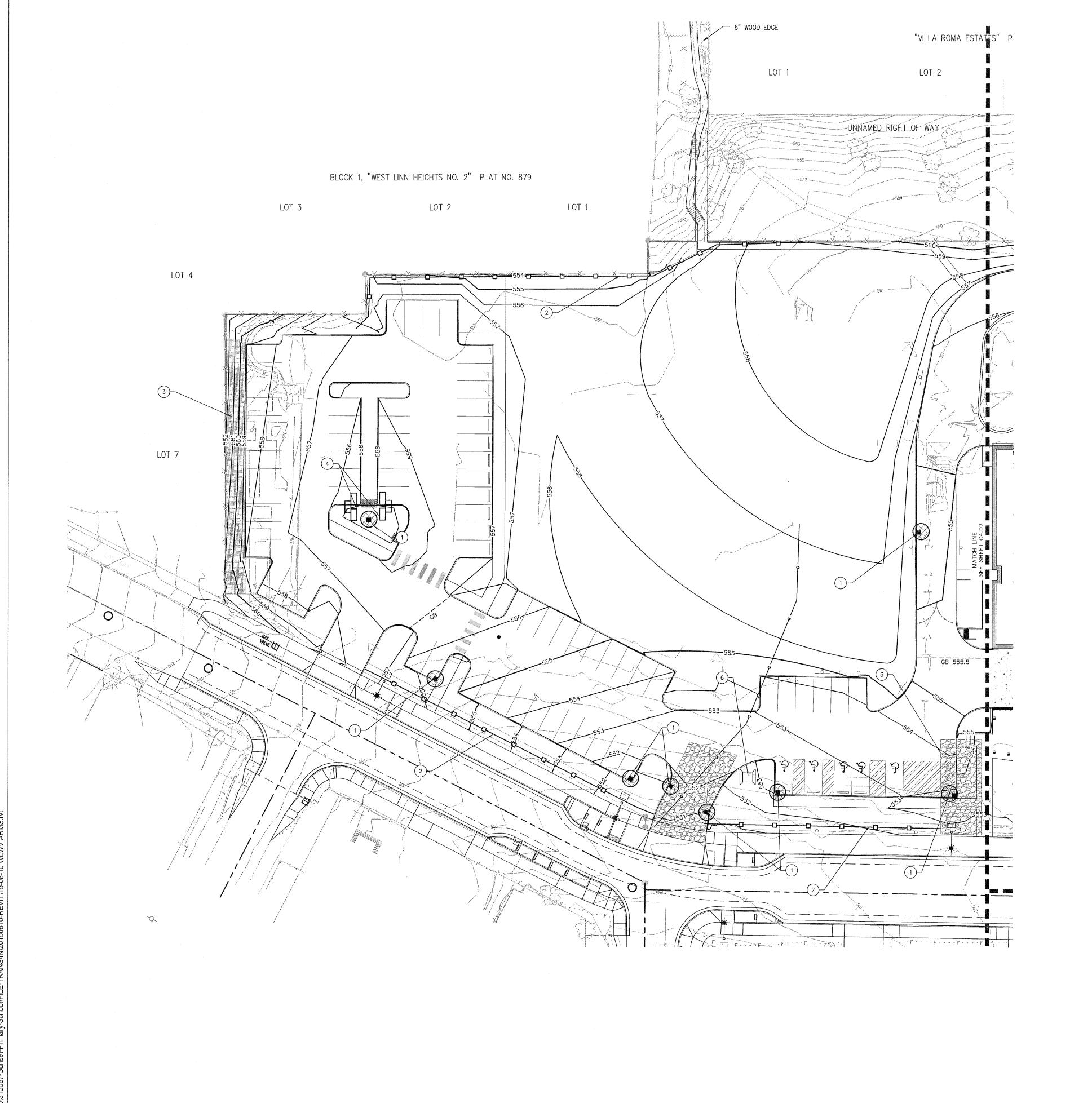
WEST LINN-WILSONVILLE SCHOOL DISTRICT



project # | 15015 DEQ EROSION CONTROL SHEET

revisions

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1 INSTALL AREA DRAIN INLET PROTECTION 2 INSTALL SEDIMENT FENCE -3 PROVIDE COMPOST BLANKET ON SLOPES -4 PROVIDE CURB SPILLWAY PROTECTION. -5 PROVIDE TEMPORARY CONSTRUCTION -ENTRANCE DURING PHASE 1 AND 2. 6 INSTALL TEMPORARY CONCRETE WASHOUT $\frac{7}{(C2.0)}$ 7 PROVIDE JUTE MATTING ON POND INSIDE -8 PROVIDE MATTING AT BOTTOM OF POND ---9 PROVIDE STRAW WATTLE PROTECTION -10 PROVIDE TRENCH DRAIN SEDIMENT -PROTECTION

11 AREA STORMWATER FACILITY PROTECTION ----

SHEET LEGEND

COMMITTATION OF THE PROPERTY O	PROPERTY LINE
	EX. CONTOUR MINOR
50	EX. CONTOUR MAJOR
49	PROP. CONTOUR MINOR
**************************************	PROP. CONTOUR MAJOR
	EXTENT OF WORK
Control to the second of the s	SILT FENCE
·000000000000000000·	STRAW WATTLE
^	TRENCH DRAIN SEDIMENT PROTECTION
	INLET PROTECTION
	COMPOST BLANKET
	CONSTRUCTION ENTRANCE
	BIO-BAG PROTECTION IN DITCHES AND SWALES
	JUTE MATTING

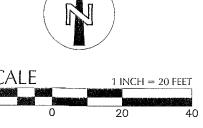
EROSION CONTROL PLAN NOTES

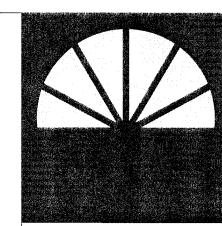
1. APPROVAL OF THIS EROSION/SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, RESTRICTORS, CHANNELS, RETENTION FACILITIES,

- 2. THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND PERMANENT VEGETATION/LANDSCAPING IS ESTABLISHED.
- 3. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION, DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
- 4. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER
- 5. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT LEAVE THE
- 6. THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
- 7. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN THE 24 HOURS FOLLOWING A STORM
- 8. AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A TRAPPED CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM
- 9. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.

CONSTRUCTION SEQUENCING & STORM FACILITY NOTES

- 1. DEMOLITION WILL REMOVE IMPERVIOUS SURFACES. UNTIL NEW IMPERVIOUS SURFACES ARE INSTALLED, STORMWATER WILL BE INFILTRATED IN PLACE. CONTRACTOR TO INSTALL EROSION CONTROL MEASURES AS NEEDED TO PREVENT SEDIMENT LADEN RUNOFF FROM LEAVING THE SITE.
- 2. THE STORMWATER RAIN GARDEN IS A PERMANENT STORMWATER FACILITY AND MUST BE PROTECTED FROM SILTATION AND SCOURING DURING THE CONSTRUCTION PHASE. DURING CONSTRUCTION, STORMWATER MAY BE ROUTED TO THE STORMWATER FACILITY PROVIDED EROSION CONTROL MEASURES LISTED BELOW ARE IMPLEMENTED:
- INSTALL PROTECTIVE JUTE MATTING OR FILTER FABRIC OVER BOTTOM AND SIDE SLOPES OF FACILITY.
- PRIOR TO PLANTING, THE PROTECTIVE MATTING SHOULD BE REMOVED AND THE TOP 6" OF GROWING MEDIUM SHALL BE TILLED TO CONFIRM SOIL MIX MEETS DESIGN GRADATIONS AND SOIL DRAINS AS DESIGNED PRIOR TO PLANTING.
- INSTALL PEA GRAVEL MULCH AS SOON AS POSSIBLE TO PROTECT SOIL.
- ATTENTION!!!: RAIN EVENTS THAT SCOUR EXPOSED SOIL REQUIRE ADDITIONAL TILLING OR POTENTIALLY REPLACEMENT PRIOR TO PLACEMENT OF PEA GRAVEL AND PLANTING TO ENSURE STORM FACILITY FUNCTIONS DRAINS AS DESIGNED.





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EXPIRES 6/30/16

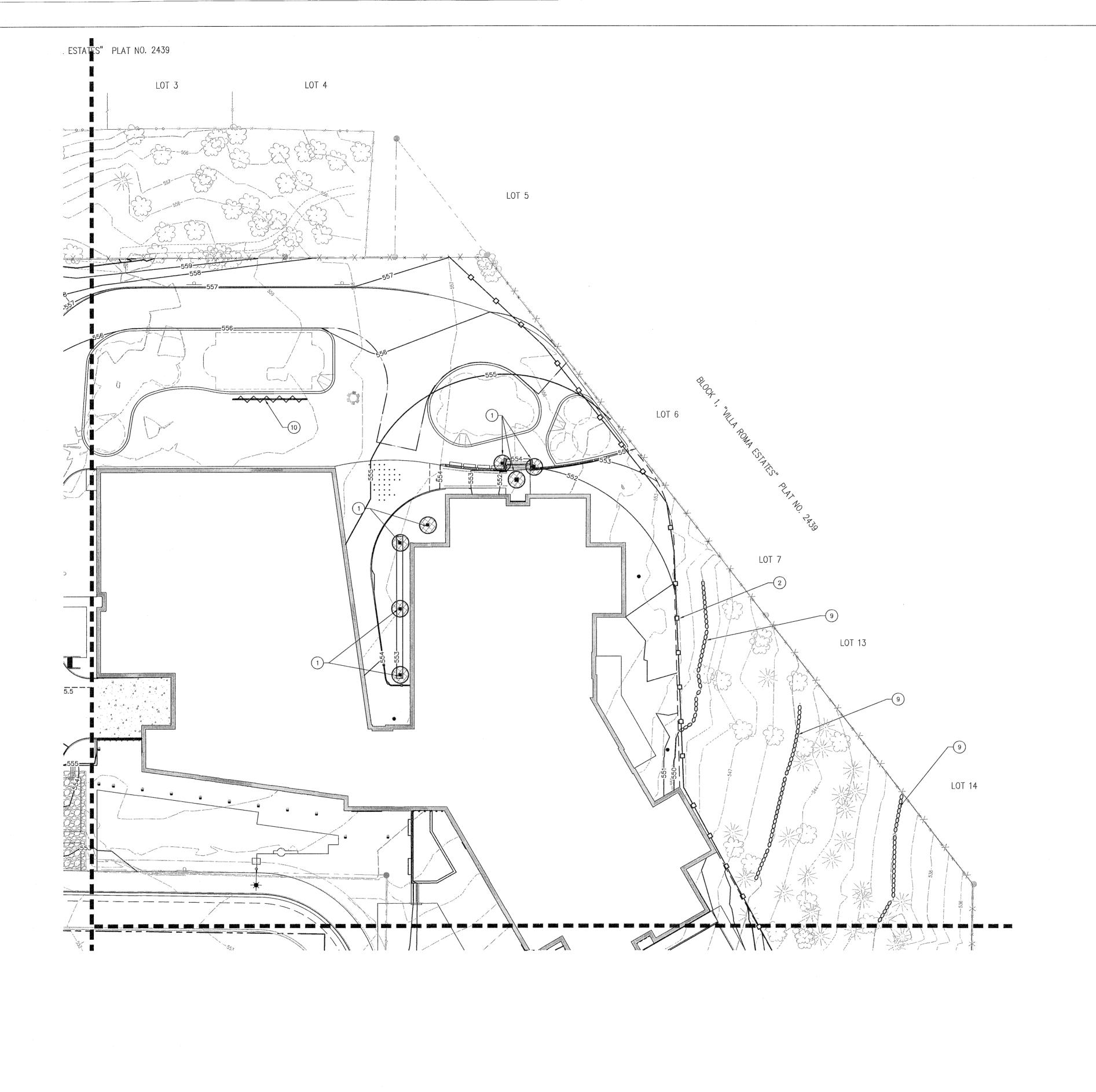
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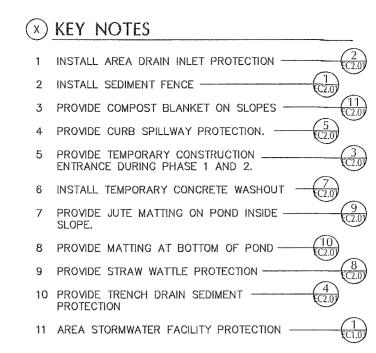
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date June 15, 2016

revisions

project # | 15015 EROSION CONTROL PLAN NORTHWEST





SHEET LEGEND

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AATOON INCOMEN INCOMEN MARKETIN SELECTIVE MARKET	EXTENT OF WORK
	SILT FENCE
\cdot	STRAW WATTLE
^	TRENCH DRAIN SEDIMENT PROTECTION
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	COMPOST BLANKET
	CONSTRUCTION ENTRANCE

BIO-BAG PROTECTION IN DITCHES AND SWALES

JUTE MATTING

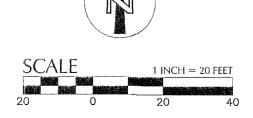
EROSION CONTROL PLAN NOTES

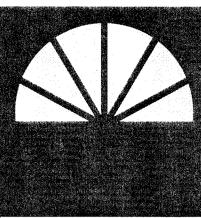
1. APPROVAL OF THIS EROSION/SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.).

- 2. THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND PERMANENT VEGETATION/LANDSCAPING IS ESTABLISHED.
- 3. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
- 4. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS.
- 5. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT LEAVE THE
- THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
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- 8. AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A TRAPPED CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM
- STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.

CONSTRUCTION SEQUENCING & STORM FACILITY NOTES

- DEMOLITION WILL REMOVE IMPERVIOUS SURFACES. UNTIL NEW IMPERVIOUS SURFACES ARE INSTALLED, STORMWATER WILL BE INFILTRATED IN PLACE. CONTRACTOR TO INSTALL EROSION CONTROL MEASURES AS NEEDED TO PREVENT SEDIMENT LADEN RUNOFF FROM LEAVING THE SITE.
- 2. THE STORMWATER RAIN GARDEN IS A PERMANENT STORMWATER FACILITY AND MUST BE PROTECTED FROM SILTATION AND SCOURING DURING THE CONSTRUCTION PHASE. DURING CONSTRUCTION, STORMWATER MAY BE ROUTED TO THE STORMWATER FACILITY PROVIDED EROSION CONTROL MEASURES LISTED BELOW ARE IMPLEMENTED:
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- INSTALL PEA GRAVEL MULCH AS SOON AS POSSIBLE TO PROTECT SOIL.
- ATTENTION!!!: RAIN EVENTS THAT SCOUR EXPOSED SOIL REQUIRE ADDITIONAL TILLING OR POTENTIALLY REPLACEMENT PRIOR TO PLACEMENT OF PEA GRAVEL AND PLANTING TO ENSURE STORM FACILITY FUNCTIONS DRAINS AS DESIGNED.





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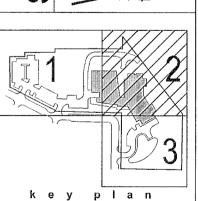
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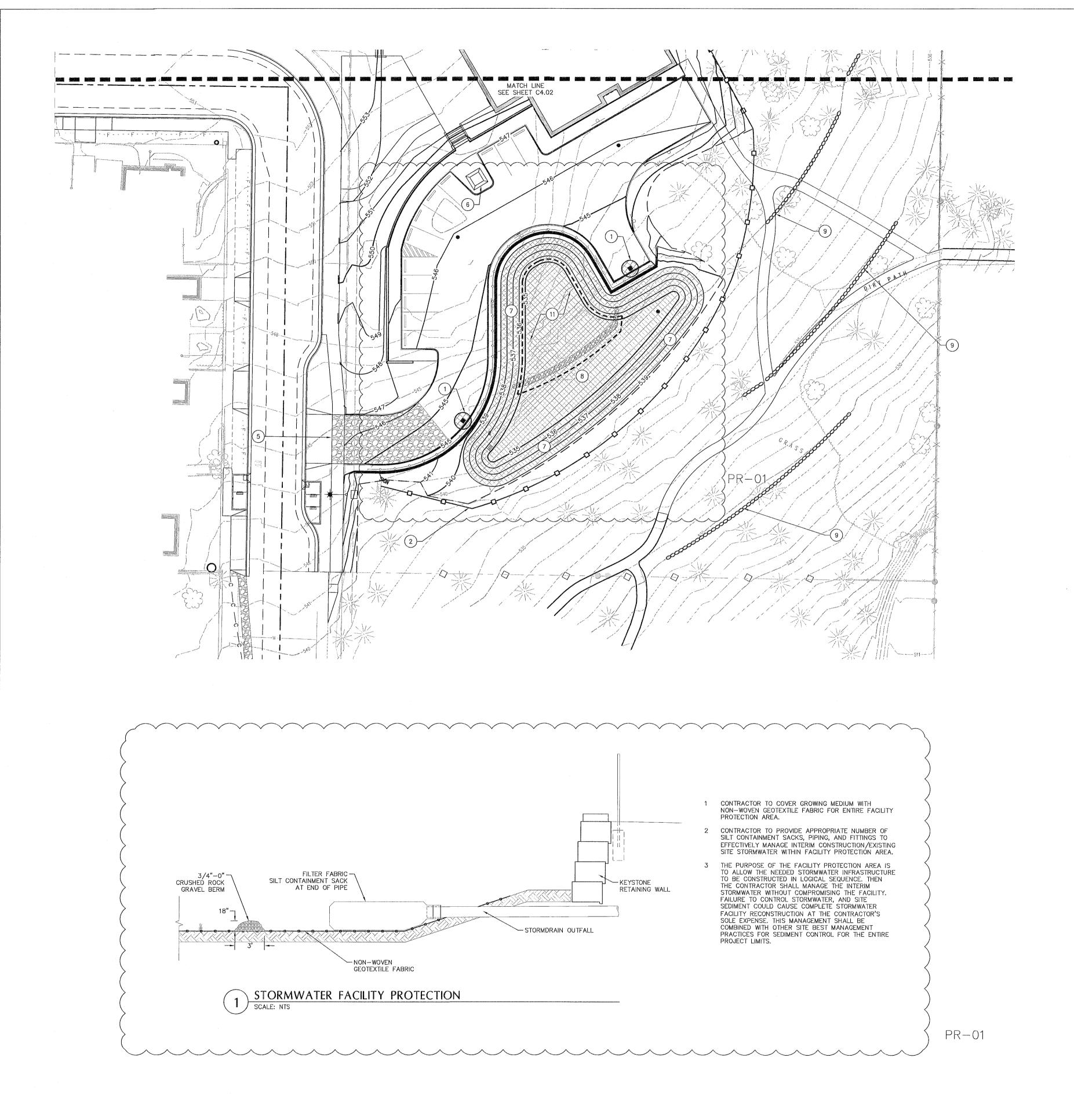
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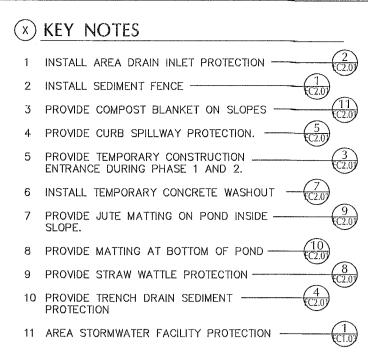


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phase	Conformed Set
date	June 15, 2016
revisions	
project #	15015

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EROSION CONTROL PLAN NORTHEAST





SHEET LEGEND

PROPERTY LINE

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	EX. CONTOUR MAJOR
50	PROP. CONTOUR MINOR PROP. CONTOUR MAJOR
ESTREMENT ASSESSMENT DESCRIPTION OF STREET	EXTENT OF WORK
Carried and the Company of the Compa	SILT FENCE
\cdot	STRAW WATTLE
~~~~	TRENCH DRAIN SEDIMENT PROTECTION
	INLET PROTECTION
	COMPOST BLANKET
	CONSTRUCTION ENTRANCE

BIO-BAG PROTECTION IN DITCHES AND SWALES

JUTE MATTING

EROSION CONTROL PLAN NOTES

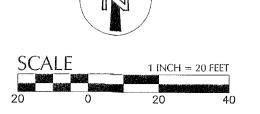
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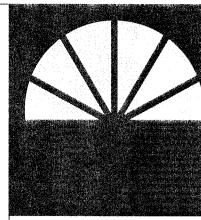
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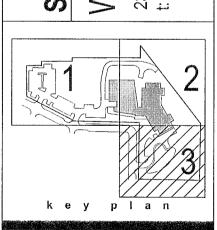
907 SW Stark Street Portland OR 97205 USA tel 503 226 6950





District School

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phase | Conformed Set date | June 15, 2016 revisions PR-01 06.15.2016 project # | 15015 EROSION CONTROL PLAN SOUTHEAST

SHEET LEGEND

PROPERTY LINE EX. CONTOUR MINOR EX. CONTOUR MAJOR PROP. CONTOUR MINOR

50 PROP. CONTOUR MAJOR

TRENCH DRAIN SEDIMENT PROTECTION

INLET PROTECTION

COMPOST BLANKET

CONSTRUCTION ENTRANCE

BIO-BAG PROTECTION IN DITCHES AND SWALES JUTE MATTING

BIO-BAG PROTECTION AT OUTLET

EXISTING DRAINAGE FLOW ARROW PROPOSED DRAINAGE FLOW ARROW

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EXPIRES 6/30/16

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phase | Conformed Set

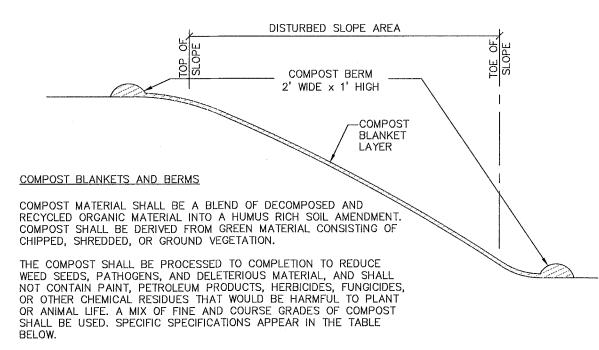
date June 15, 2016 revisions

PR-01 06.15.2016

project # | 15015

EROSION CONTROL PLAN
STORMWATER DRAINAGE

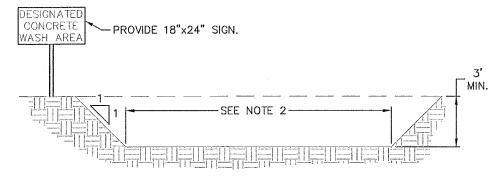
MATTING - CHALLEL INSTALLATION (10) SCALE: NTS



UPPER BERM SHALL BE LOCATED AT OR ABOVE THE CREST OF THE SLOPE. LOWER BERM SHALL BE LOCATED AT OR BELOW TOE OF

PROPERTY	COMPOST BLANKET	COMPOST BERM		
FINE PARTICLE SIZE/CONTENT	3/8-1/2 INCH SCREEN / 33%	3/8-1/2 INCH / 50%		
COURSE PARTICLE SIZE/CONTENT	3/4" MINUS	3/4" MINUS		
MOISTURE CONTENT	20-35%	20-35%		
SOLUBLE SALT	4.0-5.0 MMHOS/CM	4.0-5.0 MMHOS/CM		
ORGANIC MATTER	40-70%	40-70%		
рΗ	6.0-8.0	6.0-8.0		
HUMAN MADE INERTS	1.0% MAX	1.0% MAX		
APPLICATION 2"-3" DEPTH		12" HIGH x 2' WIDE		
STABLE/MATURITY YES/HIGH		YES/HIGH		

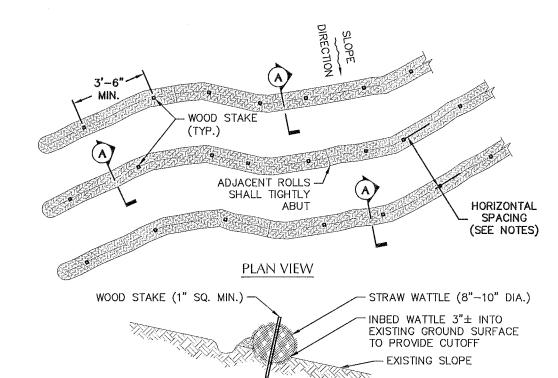
COMPOST BLANKET (11) SCALE: NTS



1. INSTALL A CONCRETE WASH OUT PIT AND A VISIBLE SIGN STATING, "DESIGNATED CONCRETE WASH AREA." LOCATE THE WASH OUT IN A PLACE THAT WILL BE ACCESSIBLE TO CONCRETE TRUCKS SIZE TO THE PROJECT.

- 2. PROVIDE 3' X 3' MINIMUM WASHOUT AREA. INCREASES SIZE OR PROVIDE ADDITIONAL WASHOUTS AS REQUIRED TO ACCOMMODATE PROJECT CONDITIONS. 3. LOCATE WASHOUTS IN AREAS THAT WILL BE ACCESSIBLE TO CONCRETE TRUCKS.
- 4. FOR WASHOUTS LOCATED IN AREAS DESIGNATED TO RECEIVE HARDSCAPE, SOLIDS MAY BE BURIED IN PLACE. FOR OTHER APPLICATIONS, REMOVE AND DISPOSE OF

CONCRETE WASHOUT



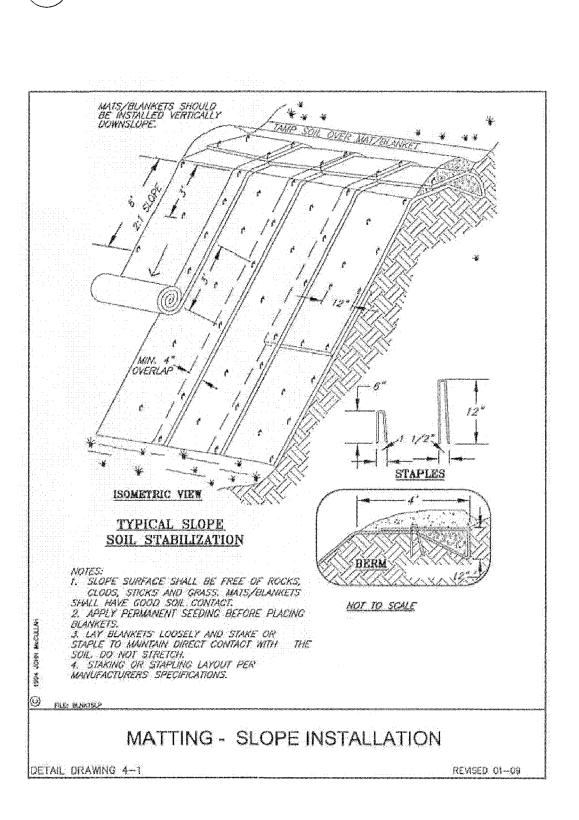
NOTES:
1. STRAW WATTLES TO BE PLACED ALONG SITE CONTOURS.

2. HORIZONTAL SPACING VARIES DEPENDING ON SOIL TYPE AND STEEPNESS, SEE PLAN (5' MIN - 25' MAX.)

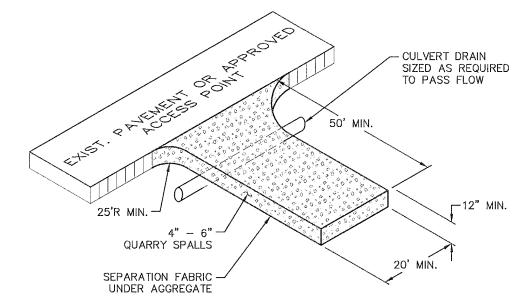
SECTION 'A'

- 3. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.
- 4. STRAW WATTLE SHALL BE RICE STRAW ONLY. USE OF FIBER ROLLS, WHEAT GRASS, OR RYE STRAW NOT PERMITTED.

STRAW WATTLE ON SLOPE SCALE: NTS



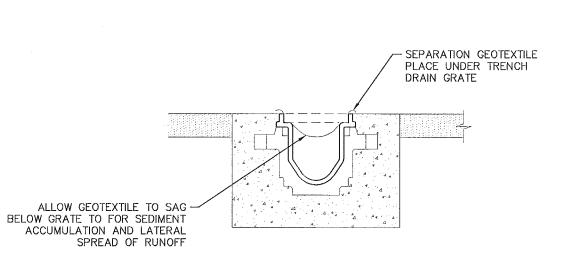
MATTING - SLOPE INSTALLATION SCALE: NTS



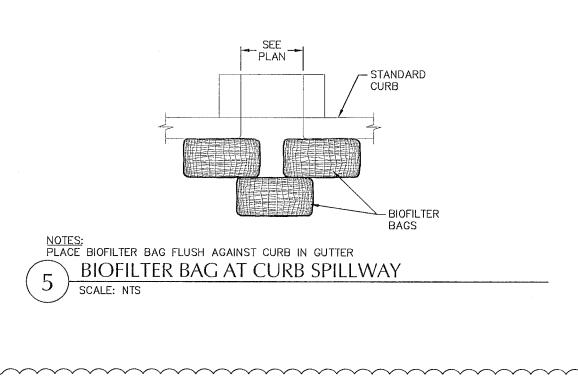
THE ENTRANCE SHALL BE MAINTEINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO

- PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
- WHERE RUNOFF CONTAINING SEDIMENT LADEN WATER IS LEAVING THE SITE VIA THE CONSTRUCTION ENTRANCE, OTHER MEASURES SHALL BE IMPLEMENTED TO DIVERT RUNOFF THROUGH AN APPROVED FILTERING SYSTEM.
- DIMENSIONS: 50' LONG BY 20' WIDE 3-6" CLEAN ROCK, GOVERNING AUTHORITY MAY REQUIRE GEOTEXTILE FABRIC TO PREVENT SUB-SOIL

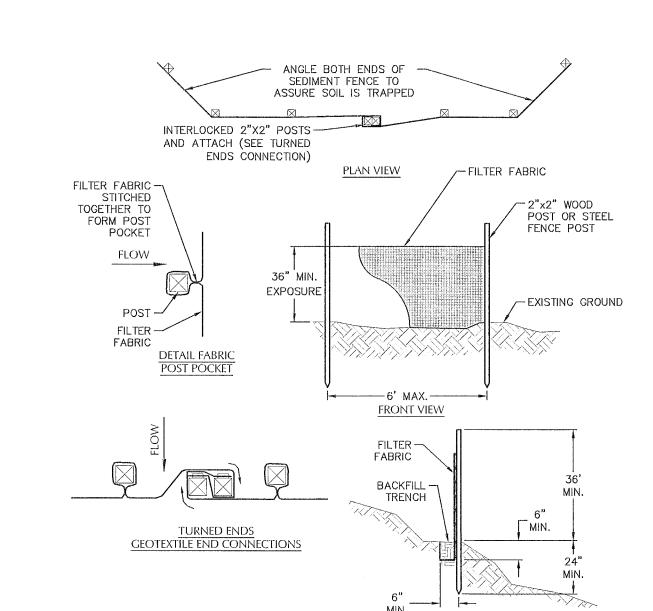
CONSTRUCTION ENTRANCE SCALE: NTS



TRENCH DRAIN SEDIMENT PROTECTION



NOT USED SCALE: NTS _____



1. THE FILTER FABRIC SHALL BE (36" MIN. WIDTH) PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND BOTH ENDS SECURELY FASTENED TO THE POST, OR OVERLAP 2"x2" POSTS AND ATTACH AS SHOWN ON

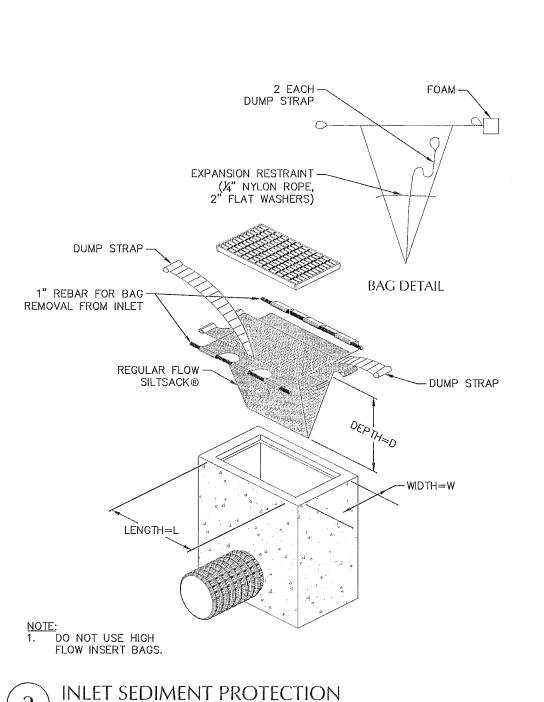
SIDE VIEW

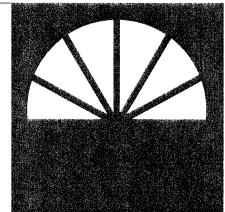
- 2. THE FILTER FABRIC FENCE SHALL BE INSTALLED TO FOLLOW THE CONTOURS WHERE FEASIBLE. THE FENCE POSTS SHALL BE SPACED A MAXIMUM OF 6—FEET APART AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 24-INCHES.
- 3. THE FILTER FABRIC SHALL HAVE A MINIMUM VERTICAL BURIAL OF 6-INCHES. ALL EXCAVATED MATERIAL FROM FILTER FABRIC FENCE INSTALLATION, SHALL BE BACKFILLED AND COMPACTED, ALONG THE ENTIRE DISTURBED AREA.
- 4. STANDARD OR HEAVY DUTY FILTER FABRIC SHALL HAVE MANUFACTURED STITCHED LOOPS FOR 2"x2" POST INSTALLATION. STITCHED LOOPS WITH STAKES SHALL BE INSTALLED ON THE DOWN-HILL SIDE OF THE SLOPED AREA.
- 5. FILTER FABRIC FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UP-SLOPE AREA HAS BEEN PERMANENTLY PROTECTED AND STABILIZED.
- 6. FILTER FABRIC FENCES SHALL BE INSPECTED BY CONTRACTOR IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

SEDIMENT FENCE

SCALE: NTS

∠ / SCALE: NTS





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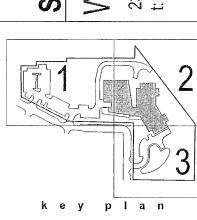
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