

LEGEND

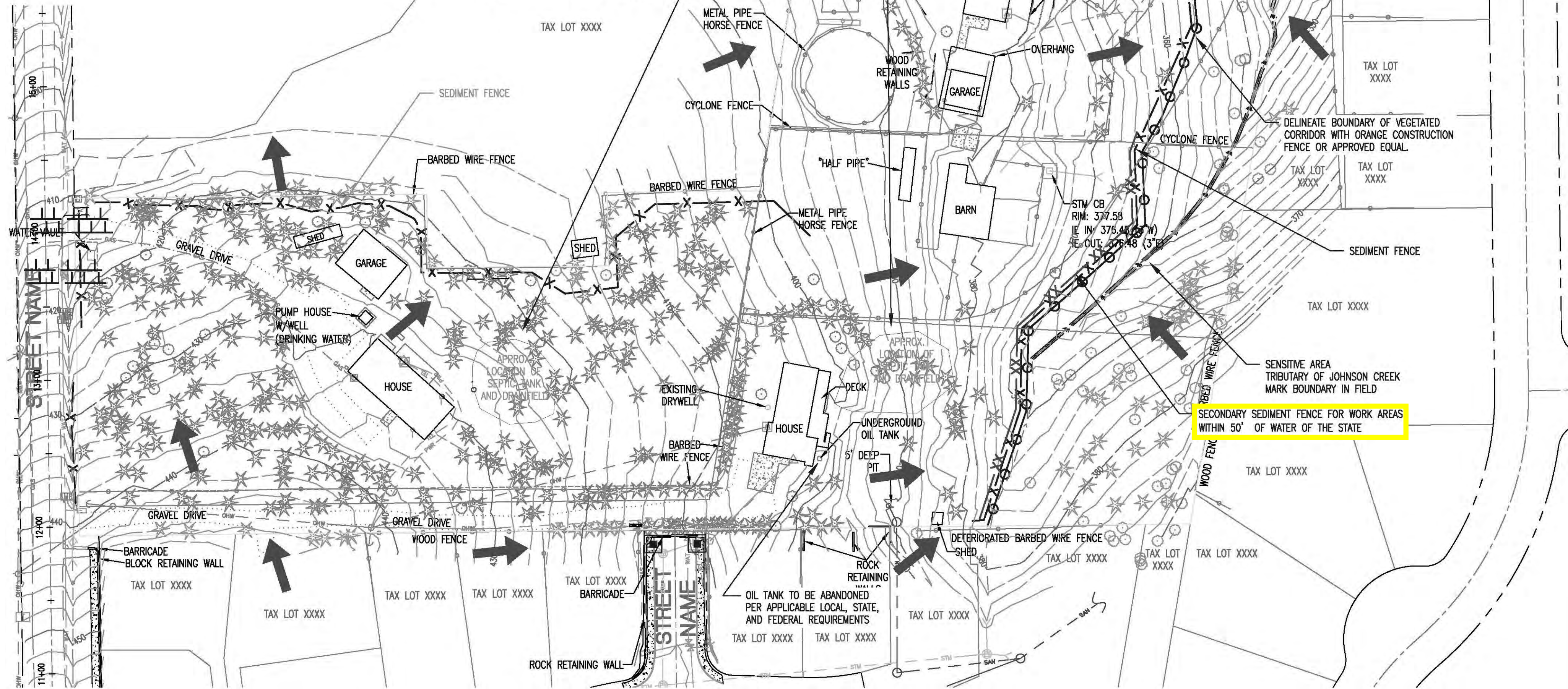
- EXISTING GROUND CONTOUR (2 FT)
- EXISTING GROUND CONTOUR (10 FT)
- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE REMOVED
- SEDIMENT BARRIER (PERIMETER)
- SEDIMENT BARRIER (INTERIOR)
- ORANGE CONSTRUCTION FENCE
- SEDIMENT TRAP
- BRUSH BARRIER
- CHECK DAM
- CONSTRUCTION ENTRANCE
- DIVERSION DIKE
- DIVERSION SWALE
- DIVERSION DIKE/SWALE
- INLET PROTECTION
- SEDIMENT MAT
- TEMPORARY SLOPE DRAIN
- ROCK FILTER BERM
- TEMPORARY SLOPE STABILIZATION MEASURES
- DRAINAGE FLOW DIRECTION

PRE-CONSTRUCTION, CLEARING, AND DEMOLITION NOTES:

1. ALL BASE ESC MEASURES (INLET PROTECTION, PERIMETER SEDIMENT CONTROL, GRAVEL CONSTRUCTION ENTRANCES, ETC.) MUST BE IN PLACE, FUNCTIONAL, AND APPROVED IN AN INITIAL INSPECTION, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
2. SEDIMENT BARRIERS APPROVED FOR USE INCLUDE SEDIMENT FENCE, BERMS CONSTRUCTED OUT OF MULCH, CHIPPINGS, OR OTHER SUITABLE MATERIAL, STRAW WATTLES, OR OTHER APPROVED MATERIALS.
3. SENSITIVE RESOURCES INCLUDING, BUT NOT LIMITED TO, TREES, WETLANDS, AND RIPARIAN PROTECTION AREAS SHALL BE CLEARLY DELINEATED WITH ORANGE CONSTRUCTION FENCING OR CHAIN LINK FENCING IN A MANNER THAT IS CLEARLY VISIBLE TO ANYONE IN THE AREA. NO ACTIVITIES ARE PERMITTED TO OCCUR BEYOND THE CONSTRUCTION BARRIER.
4. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, STREET SWEEPING, AND VACUUMING, MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
5. RUN-ON AND RUN-OFF CONTROLS SHALL BE IN PLACE AND FUNCTIONING PRIOR TO BEGINNING SUBSTANTIAL CONSTRUCTION ACTIVITIES. RUN-ON AND RUN-OFF CONTROL MEASURES INCLUDE: SLOPE DRAINS (WITH OUTLET PROTECTION), CHECK DAMS, SURFACE ROUGHENING, AND BANK STABILIZATION.

THESE EROSION AND SEDIMENT CONTROL PLANS ASSUME "DRY WEATHER" CONSTRUCTION. "WET WEATHER" CONSTRUCTION MEASURES NEED TO BE APPLIED BETWEEN OCTOBER 1ST AND MAY 31ST.

* NOTE: PRE-DEVELOPED RUN-OFF SHEET FLOWS EASTERLY INTO ON-SITE DRAINAGE AND NORTHERLY ONTO ADJACENT PROPERTIES.



REVISIONS:

CLEARING, DEMOLITION,
MASS GRADING, EROSION AND
SEDIMENT CONTROL PLAN

ENGINEERING FIRM

DESIGNED BY:	DRAWING NO.:
DRAWN BY:	SCALE:
CHECKED BY:	
PREPARED FOR:	

PROJECT NAME

WASHINGTON COUNTY
TAX LOTS

OREGON
WASHINGTON COUNTY TAX MAP



JOB NUMBER
XXXX
SHEET
XXXX

LEGEND

- FINISHED GRADE CONTOUR (2 FT)
- FINISHED GRADE CONTOUR (10 FT)
- SEDIMENT BARRIER (PERIMETER)
- SEDIMENT BARRIER (INTERIOR)
- ORANGE CONSTRUCTION FENCE
- BRUSH BARRIER
- CHECK DAM
- CONSTRUCTION ENTRANCE
- DIVERSION DIKE
- DIVERSION SWALE
- DIVERSION DIKE/SWALE
- INLET PROTECTION
- SEDIMENT MAT
- TEMPORARY SLOPE DRAIN
- COMPOST BLANKET
- SEEDING & MULCHING
- CONCRETE WASH AREA
- OUTLET PROTECTION
- ROCK FILTER BERM
- TEMPORARY SLOPE STABILIZATION MEASURES
- LONG TERM SLOPE STABILIZATION MEASURES
- NEW IMPERVIOUS SURFACE
- DRAINAGE FLOW DIRECTION

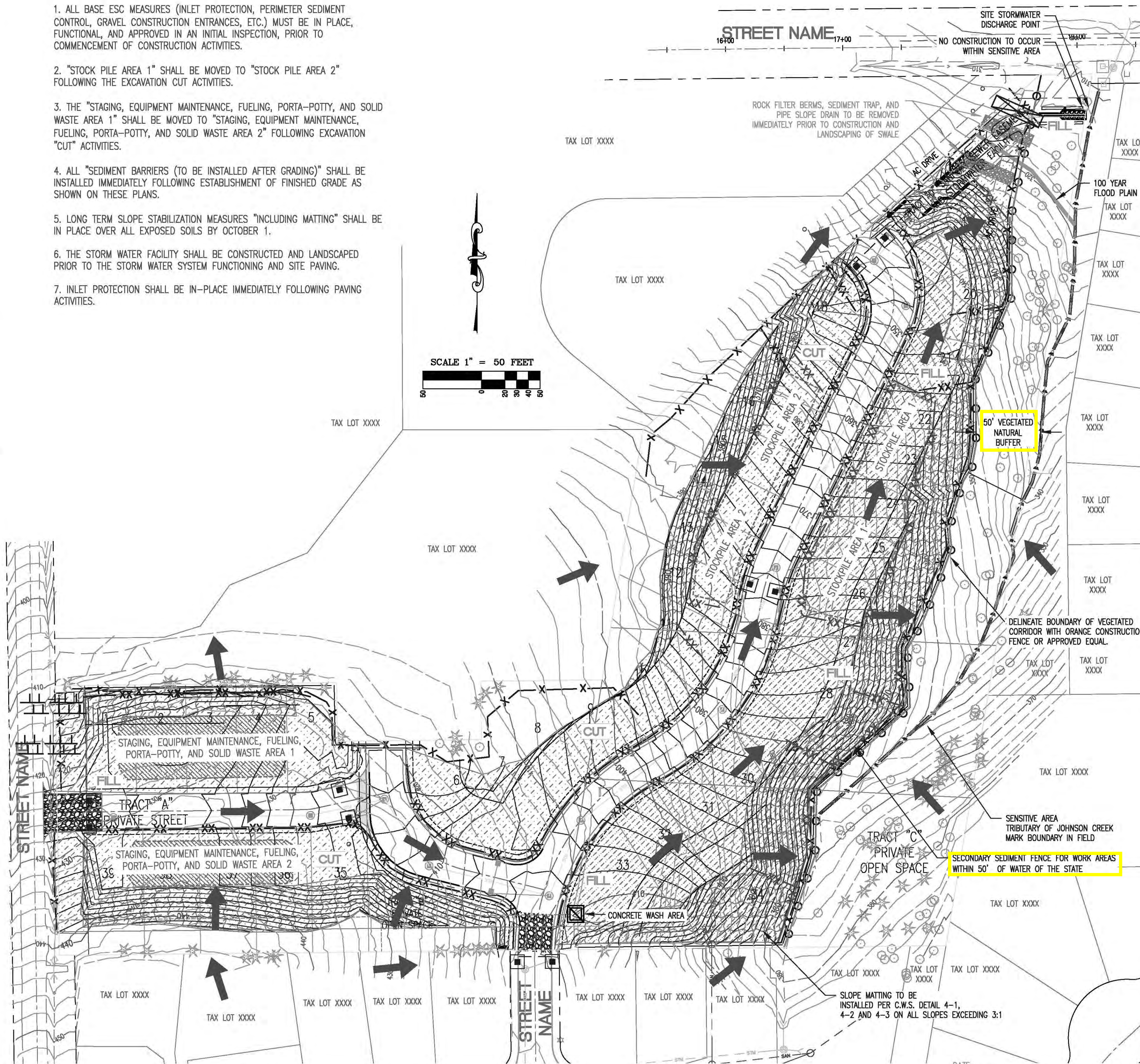
GRADING, STREET AND UTILITY EROSION AND SEDIMENT CONSTRUCTION NOTES:

1. SEED USED FOR TEMPORARY OR PERMANENT SEEDING SHALL BE COMPOSED OF ONE OF THE FOLLOWING MIXTURES, UNLESS OTHERWISE AUTHORIZED:
 - A. VEGETATED CORRIDOR AREAS REQUIRE NATIVE SEED MIXES. SEE RESTORATION PLAN FOR APPROPRIATE SEED MIX.
 - B. DWARF GRASS MIX (MIN. 100 LB./AC.)
 1. DWARF PERENNIAL RYEGRASS (80% BY WEIGHT)
 2. CREEPING RED FESCUE (20% BY WEIGHT)
 - C. STANDARD HEIGHT GRASS MIX (MIN. 100LB./AC.)
 1. ANNUAL RYEGRASS (40% BY WEIGHT)
 2. TURF-TYPE FESCUE (60% BY WEIGHT)
2. SLOPE TO RECEIVE TEMPORARY OR PERMANENT SEEDING SHALL HAVE THE SURFACE ROUGHENED BY MEANS OF TRACK-WALKING OR THE USE OF OTHER APPROVED IMPLEMENTS. SURFACE ROUGHENING IMPROVES SEED BEDDING AND REDUCES RUN-OFF VELOCITY.
3. LONG TERM SLOPE STABILIZATION MEASURES SHALL INCLUDE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER VIA SEEDING WITH APPROVED MIX AND APPLICATION RATE.
4. TEMPORARY SLOPE STABILIZATION MEASURES SHALL INCLUDE: COVERING EXPOSED SOIL WITH PLASTIC SHEETING, STRAW MULCHING, WOOD CHIPS, OR OTHER APPROVED MEASURES.
5. STOCKPILED SOIL OR STRIPPINGS SHALL BE PLACED IN A STABLE LOCATION AND CONFIGURATION. DURING "WET WEATHER" PERIODS, STOCKPILES SHALL BE COVERED WITH PLASTIC SHEETING OR STRAW MULCH. SEDIMENT FENCE IS REQUIRED AROUND THE PERIMETER OF THE STOCKPILE.
6. EXPOSED CUT OR FILL AREAS SHALL BE STABILIZED THROUGH THE USE OF TEMPORARY SEEDING AND MULCHING, EROSION CONTROL BLANKETS OR MATS, MID-SLOPE SEDIMENT FENCES OR WATTLES, OR OTHER APPROPRIATE MEASURES. SLOPES EXCEEDING 25% MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES.
7. AREAS SUBJECT TO WIND EROSION SHALL USE APPROPRIATE DUST CONTROL MEASURES INCLUDING THE APPLICATION OF A FINE SPRAY OF WATER, PLASTIC SHEETING, STRAW MULCHING, OR OTHER APPROVED MEASURES.
8. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, TIRE WASHES, STREET SWEEPING, AND VACUUMING MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
9. ACTIVE INLETS TO STORM WATER SYSTEMS SHALL BE PROTECTED THROUGH THE USE OF APPROVED INLET PROTECTION MEASURES. ALL INLET PROTECTION MEASURES ARE TO BE REGULARLY INSPECTED AND MAINTAINED AS NEEDED.
10. SATURATED MATERIALS THAT ARE HAULED OFF-SITE MUST BE TRANSPORTED IN WATER-TIGHT TRUCKS TO ELIMINATE SPILLAGE OF SEDIMENT AND SEDIMENT-LADEN WATER.
11. AN AREA SHALL BE PROVIDED FOR THE WASHING OUT OF CONCRETE TRUCKS IN A LOCATION THAT DOES NOT PROVIDE RUN-OFF THAT CAN ENTER THE STORM WATER SYSTEM. IF THE CONCRETE WASH-OUT AREA CAN NOT BE CONSTRUCTED GREATER THAN 50' FROM ANY DISCHARGE POINT, SECONDARY MEASURES SUCH AS BERMS OR TEMPORARY SETTLING PITS MAY BE REQUIRED. THE WASH-OUT SHALL BE LOCATED WITHIN SIX FEET OF TRUCK ACCESS AND BE CLEANED WHEN IT REACHES 50% OF THE CAPACITY.
12. SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE SHALL NOT BE TRANSFERRED TO THE STORM WATER SYSTEM. SWEEPINGS SHALL BE PICKED UP AND DISPOSED IN THE TRASH.
13. AVOID PAVING IN WET WEATHER WHEN PAVING CHEMICALS CAN RUN-OFF INTO THE STORM WATER SYSTEM.
14. USE BMPs SUCH AS CHECK-DAMS, BERMS, AND INLET PROTECTION TO PREVENT RUN-OFF FROM REACHING DISCHARGE POINTS.
15. COVER CATCH BASINS, MANHOLES, AND OTHER DISCHARGE POINTS WHEN APPLYING SEAL COAT, TACK COAT, ETC. TO PREVENT INTRODUCING THESE MATERIALS TO THE STORM WATER SYSTEM.

EROSION AND SEDIMENT CONTROL BMP IMPLEMENTATION:

1. ALL BASE ESC MEASURES (INLET PROTECTION, PERIMETER SEDIMENT CONTROL, GRAVEL CONSTRUCTION ENTRANCES, ETC.) MUST BE IN PLACE, FUNCTIONAL, AND APPROVED IN AN INITIAL INSPECTION, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
2. "STOCK PILE AREA 1" SHALL BE MOVED TO "STOCK PILE AREA 2" FOLLOWING THE EXCAVATION CUT ACTIVITIES.
3. THE "STAGING, EQUIPMENT MAINTENANCE, FUELING, PORTA-POTTY, AND SOLID WASTE AREA 1" SHALL BE MOVED TO "STAGING, EQUIPMENT MAINTENANCE, FUELING, PORTA-POTTY, AND SOLID WASTE AREA 2" FOLLOWING EXCAVATION "CUT" ACTIVITIES.
4. ALL "SEDIMENT BARRIERS (TO BE INSTALLED AFTER GRADING)" SHALL BE INSTALLED IMMEDIATELY FOLLOWING ESTABLISHMENT OF FINISHED GRADE AS SHOWN ON THESE PLANS.
5. LONG TERM SLOPE STABILIZATION MEASURES "INCLUDING MATTING" SHALL BE IN PLACE OVER ALL EXPOSED SOILS BY OCTOBER 1.
6. THE STORM WATER FACILITY SHALL BE CONSTRUCTED AND LANDSCAPED PRIOR TO THE STORM WATER SYSTEM FUNCTIONING AND SITE PAVING.
7. INLET PROTECTION SHALL BE IN-PLACE IMMEDIATELY FOLLOWING PAVING ACTIVITIES.

THESE EROSION AND SEDIMENT CONTROL PLANS ASSUME "DRY WEATHER" CONSTRUCTION. "WET WEATHER" CONSTRUCTION MEASURES NEED TO BE APPLIED BETWEEN OCTOBER 1ST AND MAY 31ST.



REVISIONS:

UTILITY + STREET CONST.
GRADING + STABILIZATION
EROSION/SED CONTROL PLAN

ENGINEERING FIRM

DESIGNED BY:	DRAWING NO.:
DRAWN BY:	SCALE: AS NOTED
CHECKED BY:	
PREPARED FOR:	

PROJECT NAME
WASHINGTON COUNTY OREGON
WASHINGTON COUNTY TAX MAP

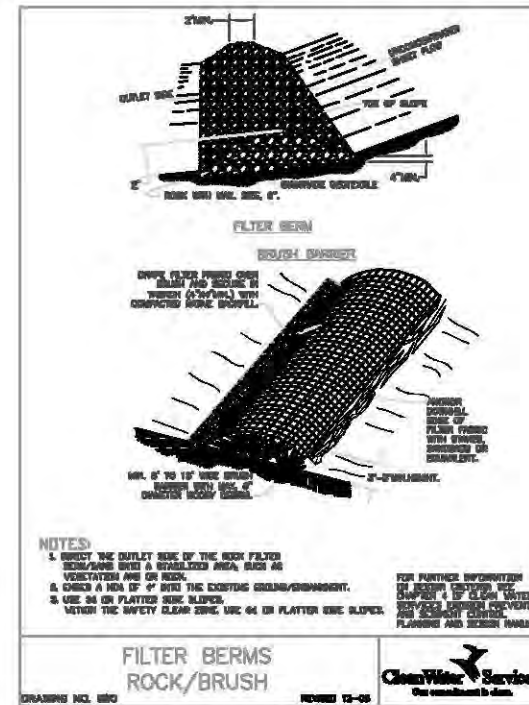
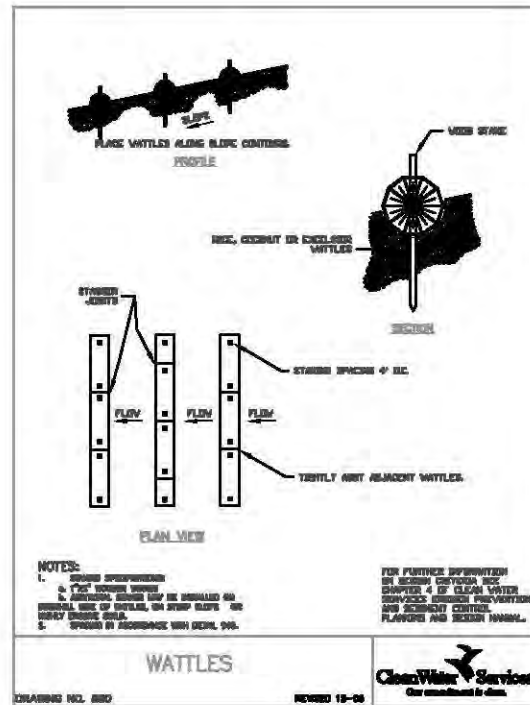
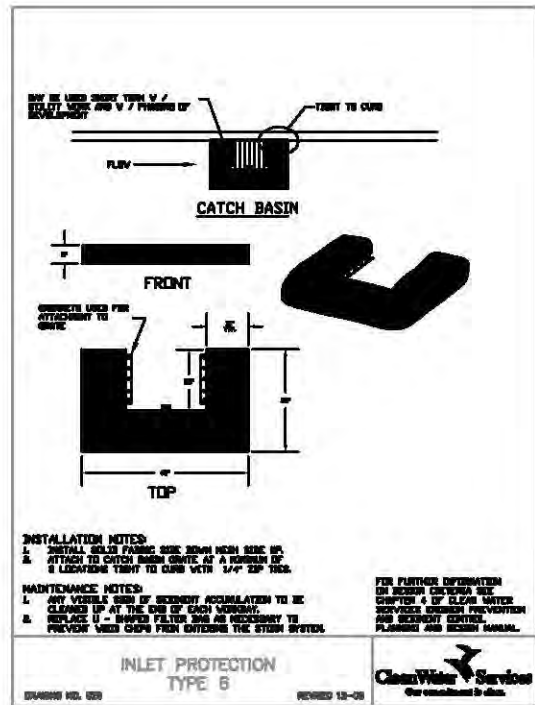
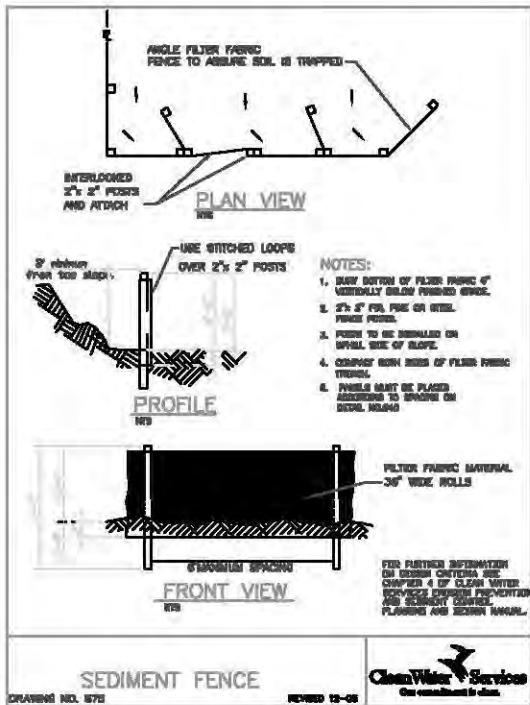
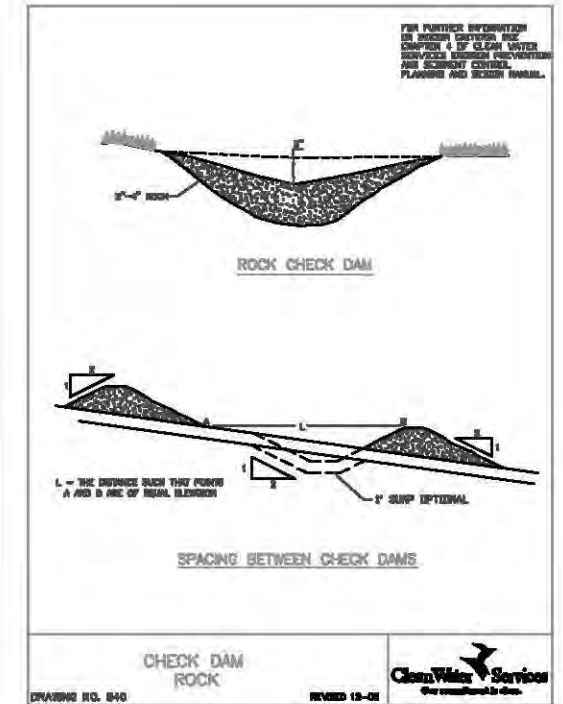
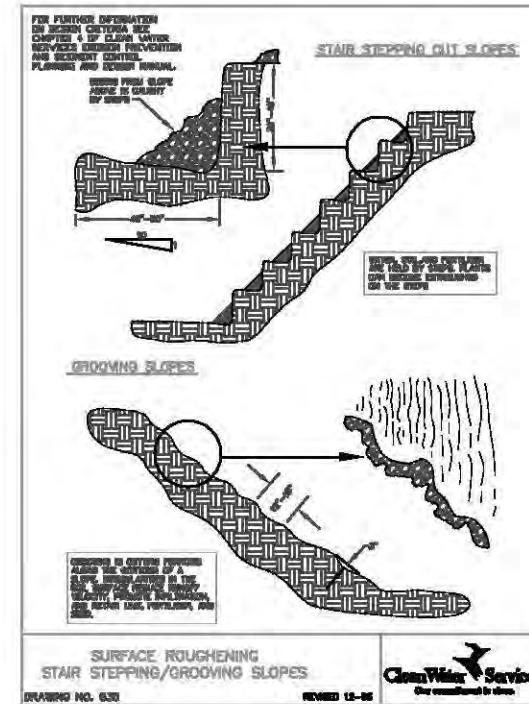
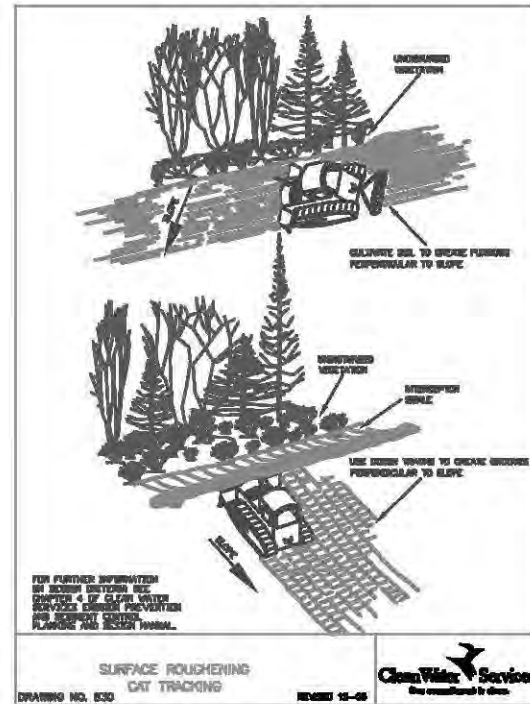
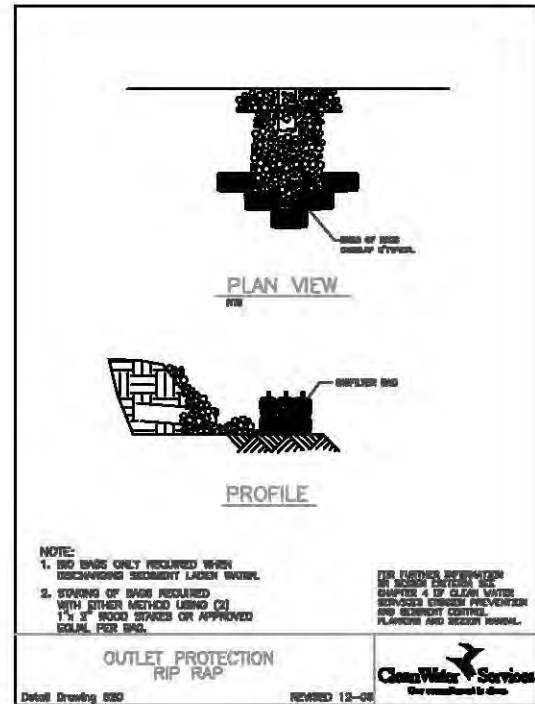
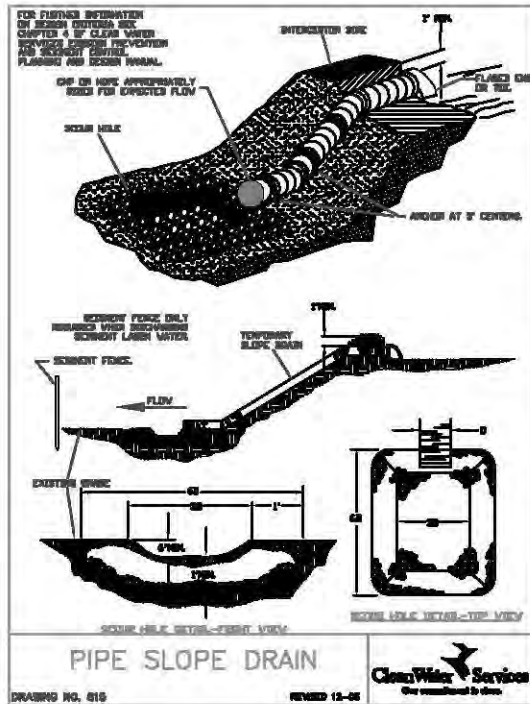
DATE: _____

THIS IS A PLACE HOLDER
ENGINEER
PRELIMINARY DESIGN
OREGON
REMOVE FOR STAMPING

JOB NUMBER
XXXX

SHEET
XXX-XXX

EXPIRES: Month Day Year



EXAMPLE DETAILS SHOWN REPRESENT THOSE CHOSEN FOR THIS ESC TEMPLATE. USERS NEED TO CONSULT THE DEQ GUIDANCE MANUAL OR LOCAL AGENT'S ESCP MANUAL FOR A COMPREHENSIVE LIST OF AVAILABLE DETAILS.

REVISIONS:

EROSION AND SEDIMENT CONTROL DETAILS

ENGINEERING FIRM

DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	
DATE:	
PREPARED FOR:	

PROJECT NAME

WASHINGTON COUNTY OREGON

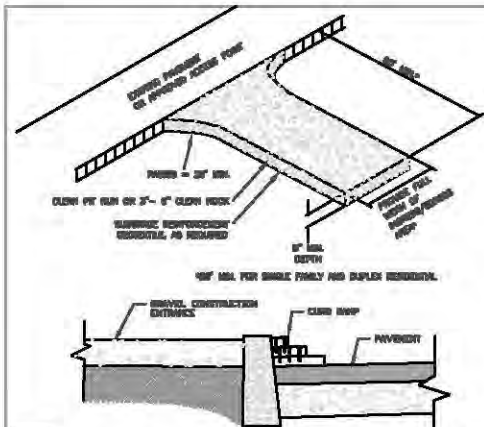
TAX LOTS WASHINGTON COUNTY TAX MAP

DATE: _____

THIS IS A PLACE HOLDER FOR THE ENGINEER'S PRELIMINARY DESIGN OR APPROVAL STAMP.

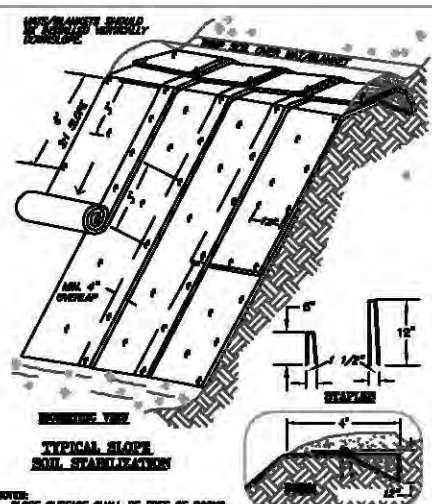
JOB NUMBER: XXXX

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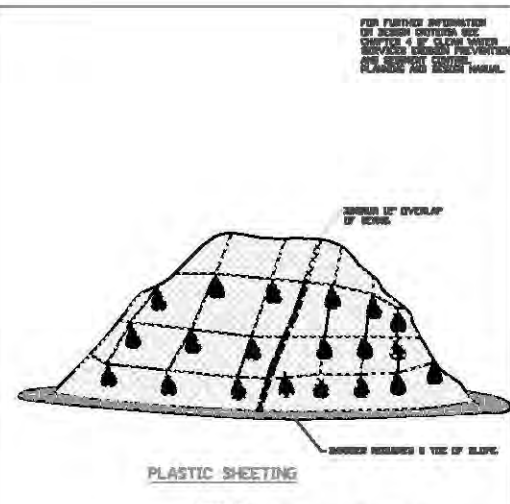
- NOTES:**
1. SEE DISTANCE SHALL BE MAINTAINED IN A MANNER THAT WILL PREVENT TRUCKS OR FLAMES OF EQUIPMENT FROM PLACING RUBBISH ON THE MAT. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN UP OF ANY RUBBISH LEFT TO TOP DRESSING.
 2. MATS MUST BE MAINTAINED TO REMAIN FREE TO ALLOW WATER TO PENETRATE INTO PAVED SURF. MATS MUST BE MAINTAINED TO REMAIN FREE TO ALLOW WATER TO PENETRATE INTO PAVED SURF.
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CONSTRUCTION ENTRANCE
 Detail Drawing 850
 REVISED 12-08
 CleanWater Services
 Our commitment to clean.



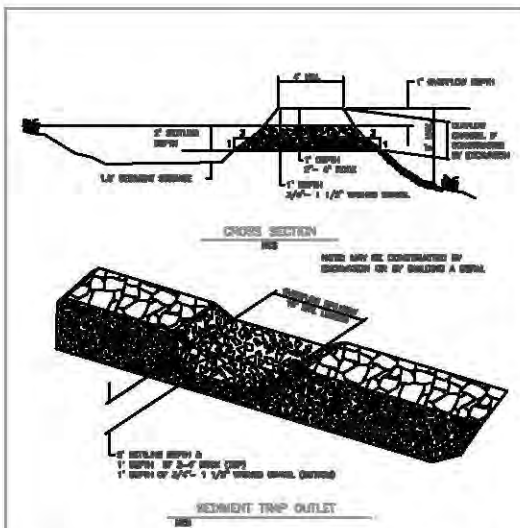
- NOTES:**
1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
 2. APPLY PERMANENT STAPLES BEFORE PLACING MATS.
 3. LAY MATS TIGHTLY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL.
 4. STAPLES OR STAPLING LAYOUT PER MANUFACTURER'S SPECIFICATIONS.

TYPICAL SLOPE SOIL STABILIZATION
 Detail Drawing 850
 REVISED 12-08
 CleanWater Services
 Our commitment to clean.



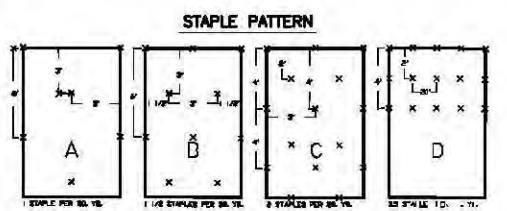
- NOTES:**
1. MAINTAIN 12" OVERLAP OF ALL SEAMS REQUIRED.
 2. BARBER REQUIRED @ TIE OF STOCK FILE.
 3. COVERING MAINTAINED TIGHTLY IN PLACE BY USING SANDWICH OR TIE ON ROPES WITH A MINIMUM 10' GRID SPACING IN ALL DIRECTIONS.
 4. STAPLES OR STAPLING LAYOUT PER MANUFACTURER'S SPECIFICATIONS.

PLASTIC SHEETING
 Detail Drawing 850
 REVISED 12-08
 CleanWater Services
 Our commitment to clean.



- NOTE:**
 A FILTER FABRIC FENCE OR SIMILAR FILTER MUST BE CONSTRUCTED TO FILTER RUNOFF FROM THE SEDIMENT TRAP PRIOR TO DISCHARGE FROM THE CONSTRUCTION SITE.

SEDIMENT TRAP
 Detail Drawing 850
 REVISED 12-08
 CleanWater Services
 Our commitment to clean.



LENGTH AND SLOPE TABLE

Channel Type	Channel Width (ft)	Channel Length (ft)	Staple Density
LOW FLOW CHANNEL	41	31	A
	31	21	B
MEDIUM FLOW CHANNEL	41	31	C
	31	21	D
HIGH FLOW CHANNEL	41	31	C
	31	21	D

MINIMUM STAPLE PATTERN GUIDE AND RECOMMENDATION FOR SLOPE AND CHANNEL APPLICATION.
STAPLE TABLE
 Detail Drawing 4-3
 Page 4-31

REVISIONS:

EROSION AND SEDIMENT CONTROL DETAILS

ENGINEERING FIRM

DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 PREPARED FOR: _____

PROJECT NAME
 WASHINGTON COUNTY
 OREGON
 WASHINGTON COUNTY TAX MAP _____

THIS IS A PLACE TO BE ENGINEERED
 PRELIMINARY DESIGN
 OREGON
 EXPIRES MONTH DAY YEAR

JOB NUMBER
 XXXX
 SHEET
 XXXX