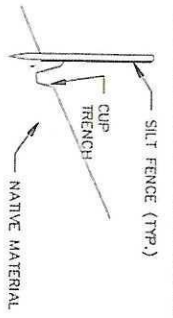




<b>Stuntzner</b> Engineering & Forestry, LLC ENGINEERING * LAND SURVEYING * FORESTRY LAND PLANNING * WATER RIGHTS 705 SOUTH 4TH STREET PHONE: (541) 267-2872 P.O. BOX 118 FAX: (541) 267-0588 COOS BAY, OREGON 97420 www.stuntzner.com	
* COOS BAY * DALLAS * * FOREST GROVE *	
DESIGNED BY	ABM
DRAWN BY	ABM
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DATE	FEB 2019
REVISED	
JOB NAME	GAYEWSKI
JOB NO.	119-004
SHEET	3 OF 4

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- SILT FENCING NOTES:**
1. SILT FENCE POSTS SHALL BE PLACED ON DOWNSLOPE SIDE.
  2. POSTS MAXIMUM 6' O.C.
  3. BURY FENCE 6" MIN. W/CUP
  4. FENCE ON UPSLOPE SIDE.
  5. FENCE SHALL BE AMOCO 1199 OR EQUAL.

**A TYPICAL SILT FENCE**

4 SCALE: NTS

**SHEET NOTES:**

BUILD CONSTRUCTION ENTRANCE TO REDUCE TRACKING FROM SITE.  
20' WIDE BY 50' LONG  
MIN 10" DEEP OF 6-4" QUARRY SPELLS WITH LITTLE TO NO FINES  
PLACE ROAD GRADE GEOTEXTILE BETWEEN SUBGRADE AND ROCK

INSTALL SILT FENCE AROUND DISTURBANCE AREA AND/OR AS NEEDED

ALL SOIL DISTURBANCE ACTIVITIES SHALL MAINTAIN GREATER THAN 50 FT DISTANCE FROM ALL OF PONY CREEK AND REMAIN OUT OF THE FLOOD PLAIN, ABOVE ELEVATION OF 13'

ALL DISTURBED SOILS SHALL BE SEEDED FOLLOWING HARVEST OF THE TREES.

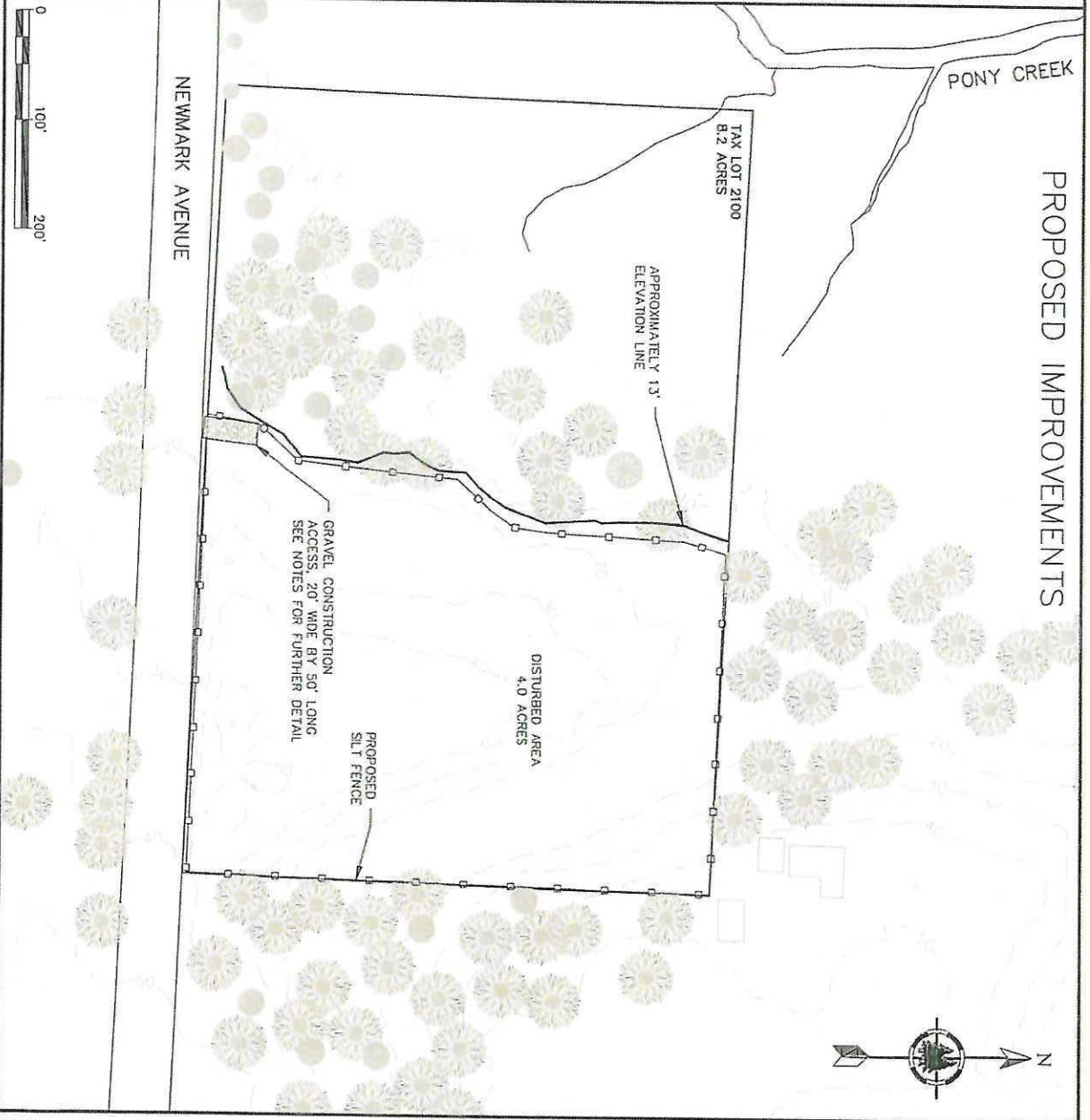
**EROSION CONTROL SEED MIX**

- 40% RED FESCUE (*Festuca rubra*)
- 30% PERENNIAL RYE GRASS
- 15% VARIETY (*Achillea millefolium*)
- 15% CALIFORNIA BROOME (*Bromus cernatus*)

EROSION CONTROL SEED SHALL BE SEEDED AT A RATE OF 50 LBS PURE LIVE SEED PER ACRE. SLOPES STEEPER THAN 2:1 SHALL BE COVERED WITH EROSION CONTROL MATTING (ECM), FERTILIZE AT A RATE OF 350 LBS/ACRE WITH 22-16-8, 50% SLOW RELEASE NITROGEN.

EROSION BLANKET SHALL BE ON ALL SLOPES 4 FEET OR HIGHER AND SLOPES STEEPER THAN 2:1. ECM SHALL BE A NETTED COCOONUT, COIR, EXCELISOR OR MATRIX, 100% BIODEGRADABLE, WITH A FUNCTIONAL LONGEVITY OF 18 MONTHS. STAPLE WITH 12" LONG, 0.091 DIA WIRE STAPLES AT NOT MORE THAN 6 FEET ON CENTER.

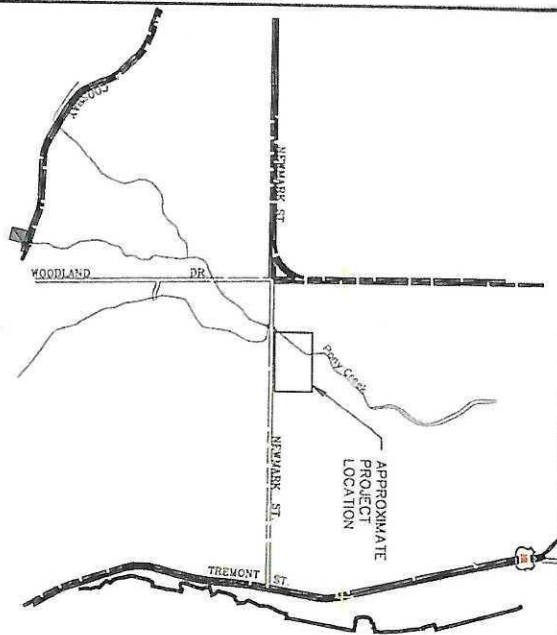
ELEVATIONS BASED ON NOAA 2008 LDAR



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* COOS BAY * DALLAS * * FOREST GROVE *		705 SOUTH 4TH STREET P.O. BOX 118 COOS BAY, OREGON 97420 PHONE: (541) 267-2872 FAX: (541) 267-0598 www.stuntzner.com	
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JOB NAME	GAYEWSKI
JOB NO. 119-004	SHEET 4 OF 4

# GAYEWSKI EROSION CONTROL LOCATED IN TOWNSHIP 25 SOUTH, RANGE 13 WEST, W.M., SECTION 22, TAX LOT 2100 COOS COUNTY, OREGON



## STANDARD EROSION AND SEDIMENT CONTROL PLAN DRAWING NOTES:

- HOLD A PRE-CONSTRUCTION MEETING OF PROJECT CONSTRUCTION PERSONNEL THAT INCLUDES THE INSPECTOR TO DISCUSS EROSION AND SEDIMENT CONTROL MEASURES AND CONSTRUCTION LIMITS. (SCHEDULE A.8.c.i.(3))
- ALL INSPECTIONS MUST BE MADE IN ACCORDANCE WITH DEQ 1200C PERMIT REQUIREMENTS. (Schedule A.12.b and Schedule B.1)
- INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200C PERMIT REQUIREMENTS. (Schedule B.1.c and B.2)
- RETAIN A COPY OF THE ESCP AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO DEQ, AGENT, OR MUNICIPALITY. DURING ACTIVE 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 REGISTRANT MUST IMPLEMENT THE ESCP, FAILURE TO IMPLEMENT ANY OF THE CONTROL MEASURES OR PRACTICES DESCRIBE THE ESCP IS A VIOLATION OF THE PERMIT. (Schedule A.8.e)
- THE ESCP MUST BE ACCURATE AND REFLECT THE 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)
- PHASE CLEARING AND GRADING TO THE MAXIMUM EXTENT PRACTICAL TO PREVENT EXPOSED INACTIVE AREAS FROM BECOMING A SOURCE OF EROSION. (Schedule A.7.d.ii)
- IDENTIFY, MARK AND PROTECT (BY CONSTRUCTION FENCING OR OTHER MEANS) CRITICAL RIPARIAN AREAS AND VEGETATION INCLUDING IMPORTANT TREES AND ASSOCIATED ROOTING ZONES, AND 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))
- PRESERVE EXISTING VEGETATION WHEN PRACTICAL, AND RE-VEGETATE OPEN AREAS. RE-VEGETATE OPEN AREAS WHEN PRACTICAL BEFORE AND AFTER GRADING OR CONSTRUCTION. IDENTIFY THE TYPE OF VEGETATIVE SEED MIX USED (Schedule A.7.a.v)
- MAINTAIN AND DELINEATE ANY EXISTING NATURAL BUFFER WITH THE 50-FEET OF WATERS OF THE STATE. (Schedule A.7.b.i. and (2)(o)(b)).
- INSTALL PERIMETER SEDIMENT CONTROL, INCLUDING STORM DRAIN INLET PROTECTION AS WELL AS ALL SEDIMENT BASINS, TRAPS AND BARRIERS PRIOR TO LAND DISTURBANCE. (Schedule A.8.c.i.(3)).
- CONTROL BOTH PEAK FLOW RATES AND TOTAL STORM WATER VOLUME, TO MINIMIZE EROSION AT OUTLETS, DOWNSTREAM CHANNELS, AND STREAM BANKS. (Schedule A.7.c)
- CONTROL SEDIMENTS 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).
- ESTABLISH CONCRETE TRUCK AND OTHER CONCRETE EQUIPMENT WASHOUT AREAS BEFORE BEGINNING CONCRETE WORK. (Schedule A.8.c.i.(6)).
- APPLY TEMPORARY AND/OR PERMANENT SOIL STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS AS GRADING PROGRESSES. TEMPORARY OR PERMANENT STABILIZATION MEASURES ARE NOT REQUIRED FOR AREAS THAT ARE INTENDED TO BE LEFT UN-VEGETATED, SUCH AS DIRT ACCESS ROADS OR UTILITY POLE PADS. (Schedule A.8.c.ii.(3)).
- ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON-STORM WATER CONTROLS. (Schedule A.8.c.i.(7)).
- PREVENT TRACKING OF SEDIMENT INTO PUBLIC OR PRIVATE ROADS USING BMP'S SUCH AS: CONSTRUCTION ENTRANCE, GRAVELED (OR PAVED) EXITS AND PARKING AREAS, GRAVEL ALL UNPAVED ROADS LOCATED ON-SITE, OR USE AN EXIT TIRE WASH. THESE BMP'S MUST BE IN PLACE PRIOR TO LAND DISTURBING ACTIVITIES. (Schedule 0.7.d.ii and A.8.c.ii.(4)).
- WHEN TRUCKING SATURATED SOILS FROM THE SITE, EITHER USE WATER-TIGHT TRUCKS OR DRAIN LOADS ON SITE. (Schedule A.7.d.iii(5)).
- CONTROL PROHIBITED DISCHARGES FROM LEAVING THE CONSTRUCTION SITE(I.E. CONCRETE WASH-OUT, WASTEWATER FROM CLEANOUT OF STUCCO, PAINT & CURING COMPOUNDS) (Schedule A.6).
- USE BMP'S TO PREVENT OR MINIMIZE STORM WATER EXPOSURE TO POLLUTANTS FROM MAINTENANCE VEHICLE AND EQUIPMENT FUELING, MAINTENANCE AND STORAGE, OTHER CLEANING AND MAINTENANCE ACTIVITIES, AND WASTE HANDLING ACTIVITIES. THESE POLLUTANTS INCLUDE FUEL, HYDRAULIC FLUID, HERBICIDES, PESTICIDES, PAINTS, SOLVENTS, CURING COMPOUNDS AND ADHESIVES FROM CONSTRUCTION OPERATIONS. (Schedule A.7.a.ii.(2)).

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JOB NO.	119-004
SHEET	1 OF 4

# STANDARD EROSION AND SEDIMENT CONTROL PLAN DRAWING NOTES: (cont.)

22. IMPLEMENT THE FOLLOWING BMP'S 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 (I.E. ELECTRO-COAGULATION, FLOCCULATION, 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 OPERATION 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 UPON WEATHER CONDITIONS, AT THE END OF EACH WORKDAY, SOIL STOCKPILES MUST BE STABILIZED OR COVERED, OR OTHER BMP'S 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: REMOVED TRAPPED SEDIMENT BEFORE IT REACHES ON THIRD OF THE ABOVE GROUND 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 & iv).
32. WITHIN 24 HOURS, SIGNIFICANT SEDIMENT THAT HAS LEFT THE CONSTRUCTION SITE MUST BE REDEPOSITED. INVESTIGATE THE CAUSE OF THE SEDIMENT RELEASE AND IMPLEMENT STEPS TO PREVENT A REOCCURENCE OF THE DISCHARGE WITHIN THE SAME 24 HOURS. ANY IN-STREAM CLEANUP OF SEDIMENT SHALL BE PERFORMED ACCORDING TO THE OREGON DIVISION OF STATE LANDS REQUIRED TIMETRAKE. (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.i.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 MUCH UNTIL WORK RESUMES ON THAT PORTION OF THE SITE. (Schedule A.7.i.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(i) and D.3.c.ii and iii).

SITE CONDITIONS		MINIMUM FREQUENCY
1. ACTIVE PERIOD		DAILY WHEN STORMWATER RUNOFF, INCLUDING RUNOFF FROM SNOWMELT, IS OCCURRING.
2. PRIOR TO THE SITE BECOMING INACTIVE OR IN ANTICIPATION OF SITE INACCESSIBILITY.		AT LEAST ONCE EVERY 14 DAYS, REGARDLESS OF WHETHER STORMWATER RUNOFF IS OCCURRING.
3. INACTIVE PERIODS GREATER THAN FOURTEEN (14) CONSECUTIVE CALENDAR DAYS		ONCE TO ENSURE THAT EROSION AND SEDIMENT CONTROL MEASURES ARE IN WORKING ORDER. ANY NECESSARY MAINTENANCE AND REPAIR MUST BE MADE PRIOR TO LEAVING SITE.
4. PERIODS DURING WHICH THE SITE IS INACCESSIBLE DUE TO INCLEMENT WEATHER		ONCE EVERY MONTH
5. PERIOD DURING WHICH DISCHARGE IS UNLIKELY DUE TO FROZEN CONDITIONS		IF PRACTICAL, INSPECTIONS MUST OCCUR DAILY AT A RELEVANT AND ACCESSIBLE DISCHARGE POINT OR DOWNSTREAM LOCATION
		MONTHLY, RESUME MONITORING IMMEDIATELY UPON MELT, OR WHEN DISCHARGES ARE LIKELY



Stuntzner Engineering & Forestry, LLC

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LAND PLANNING \* WATER RIGHTS

\* COOS BAY \* DALLAS \*  
\* FOREST GROVE \*

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DESIGNED BY: ABM

DRAWN BY: ABM

CHECKED BY: MEH

DATE: FEB 2019

REVISED:

JOB NAME: GAYEWSKI

JOB NO: 119-004

SHEET: 2 OF 4

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# GAYEWSKI EROSION CONTROL

LOCATED IN TOWNSHIP 25 SOUTH, RANGE 13  
WEST, W.M., SECTION 22, TAX LOT 2100  
COOS COUNTY, OREGON



## STANDARD EROSION AND SEDIMENT CONTROL PLAN DRAWING NOTES:

1. HOLD A PRE-CONSTRUCTION MEETING OF PROJECT CONSTRUCTION PERSONNEL THAT INCLUDES THE INSPECTOR TO DISCUSS EROSION AND SEDIMENT CONTROL MEASURES AND CONSTRUCTION LIMITS (SCHEDULE A.8.c.i.(3))
2. ALL INSPECTIONS MUST BE MADE IN ACCORDANCE WITH DEQ 1200C PERMIT REQUIREMENTS (Schedule A.12.b and Schedule B.1)
3. INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200C 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 MUNICIPALITY DURING ACTIVE 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)
5. ALL PERMIT REGISTRANT MUST IMPLEMENT THE ESCP FAILURE TO IMPLEMENT ANY OF THE CONTROL MEASURES OR PRACTICES DESCRIBE THE ESCP IS A VIOLATION OF THE PERMIT (Schedule A.8.b)
6. THE ESCP MUST BE ACCURATE AND REFLECT THE SITE CONDITIONS (Schedule A.12.c.i)
7. 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)
9. IDENTIFY, MARK AND PROTECT (BY CONSTRUCTION FENCING OR OTHER MEANS) CRITICAL RIPARIAN AREAS AND VEGETATION INCLUDING IMPORTANT TREES AND ASSOCIATED ROOTING ZONES, AND BUFFER ZONES BETWEEN THE SITE AND SENSITIVE AREAS (E.G., WETLANDS), AND OTHER AREAS TO BE PRESERVED, ESPECIALLY IN PERMETER 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 PRACTICAL 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 WITH THE 50-FEET OF WATERS OF THE STATE (Schedule A.7.b.i. and (2)(g)(b))
12. INSTALL PERMETER SEDIMENT CONTROL, INCLUDING STORM DRAIN INLET PROTECTION AS WELL AS ALL SEDIMENT BASINS, TRAPS AND BARRIERS PRIOR TO LAND DISTURBANCE (Schedule A.8.c.i.(5))
13. CONTROL BOTH PEAK FLOW RATES AND TOTAL STORM WATER VOLUME TO MINIMIZE EROSION AT OUTLETS, DOWNSTREAM CHANNELS, AND STREAM BANKS (Schedule A.7.c)
14. CONTROL SEDIMENTS AS NEEDED ALONG THE SITE PERMETER 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 STABILIZATION MEASURES ARE NOT REQUIRED FOR AREAS THAT ARE INTENDED TO BE LEFT UN-VEGETATED, SUCH AS DIRT ACCESS ROADS OR UTILITY POLE PADS (Schedule A.8.c.i.(3))
17. ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON-STORM WATER CONTROLS (Schedule A.8.c.i.(7))
18. PREVENT TRACKING OF SEDIMENT INTO PUBLIC OR PRIVATE ROADS USING BMP'S SUCH AS CONSTRUCTION ENTRANCE, GRAVELED (OR PAVED) EXITS AND PARKING AREAS, GRAVEL ALL UNPAVED ROADS LOCATED ON-SITE, OR USE AN EXIT TIRE WASH. THESE BMP'S MUST BE IN PLACE PRIOR TO LAND DISTURBING 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 (E.G. CONCRETE WASH-OUT, WASTEWATER FROM CLEANOUT OF STUCCO, PAINT & CURING COMPOUNDS) (Schedule A.6)
21. USE BMP'S TO PREVENT OR MINIMIZE STORM WATER EXPOSURE TO POLLUTANTS FROM SPILL, VEHICLE AND EQUIPMENT FUELING, MAINTENANCE AND STORAGE, OTHER CLEANING AND MAINTENANCE ACTIVITIES, AND WASTE HANDLING ACTIVITIES. THESE POLLUTANTS INCLUDE FUEL, HYDRAULIC FLUID, HERBICIDES, PAINTS, SOLVENTS, CURING COMPOUNDS AND ADHESIVES FROM CONSTRUCTION OPERATIONS. (Schedule A.7.e.i.(2))

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DRAWN BY	ABM
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DATE	APRIL 2019
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JOB NO.	119-004
SHEET	1 OF 5

**Stuntzner**  
Engineering & Forestry, LLC

\* COOS BAY \* DALLAS \*  
\* FOREST GROVE \*

**Stuntzner Engineering & Forestry, LLC**

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# STANDARD EROSION AND SEDIMENT CONTROL PLAN DRAWING NOTES: (cont.)

- 22 IMPLEMENT THE FOLLOWING BMP'S 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.a.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 WITH ANY WATERWAY RIPARIAN ZONE. (Schedule A.9.b.ii)
- 25 IF AN ACTIVE TREATMENT SYSTEM (I.E. ELECTRO-COAGULATION, FLOCCULATION, 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 OPERATION 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 UPON WEATHER CONDITIONS, AT THE END OF EACH WORKDAY, SOIL STOCKPILES MUST BE STABILIZED OR COVERED, OR OTHER BMP'S MUST BE IMPLEMENTED TO PREVENT DISCHARGES TO SURFACE WATERS OR CONVEYANCE SYSTEMS LEADING TO SURFACE WATERS. (Schedule A.7.e.i.(2))
- 28 CONSTRUCTION ACTIVITIES MUST AVOID OR MINIMIZE EXCAVATION AND BARE GROUND ACTIVITIES DURING WET WEATHER. (Schedule A.7.a.i)
- 29 SEDIMENT FENCE, REMOVED TRAPPED SEDIMENT BEFORE IT REACHES ON THIRD OF THE ABOVE GROUND 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.ii & iv)
- 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 CLEANUP 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 TACKLER, LOOSE STRAW, OR AN ADEQUATE COVERING OF COMPOST MUCH 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).

SITE CONDITIONS		MAINTENANCE FREQUENCY	
1	ACTIVE PERIOD	DAILY	WHEN STORMWATER RUNOFF, INCLUDING RUNOFF FROM SNOWMELT, IS OCCURRING
2	PRIOR TO THE SITE BECOMING INACTIVE OR IN ANTICIPATION OF SITE INACCESSIBILITY	ONCE	TO ENSURE THAT EROSION AND SEDIMENT CONTROL MEASURES ARE IN WORKING ORDER AND NECESSARY MAINTENANCE AND REPAIR MUST BE MADE PRIOR TO LEAVING SITE.
3	INACTIVE PERIODS GREATER THAN FOURTEEN (14) CONSECUTIVE CALENDAR DAYS	ONCE EVERY MONTH	
4	PERIODS DURING WHICH THE SITE IS INACCESSIBLE DUE TO INCLEMENT WEATHER	IF PRACTICAL, INSPECTIONS MUST OCCUR DAILY AT A RELEVANT AND ACCESSIBLE DISCHARGE POINT OR DOWNSCREEN LOCATION	
5	PERIOD DURING WHICH DISCHARGE IS UNLIKELY DUE TO FROZEN CONDITIONS	MONTHLY	RESUME MONITORING IMMEDIATELY UPON MELT, OR WHEN DISCHARGES ARE LIKELY



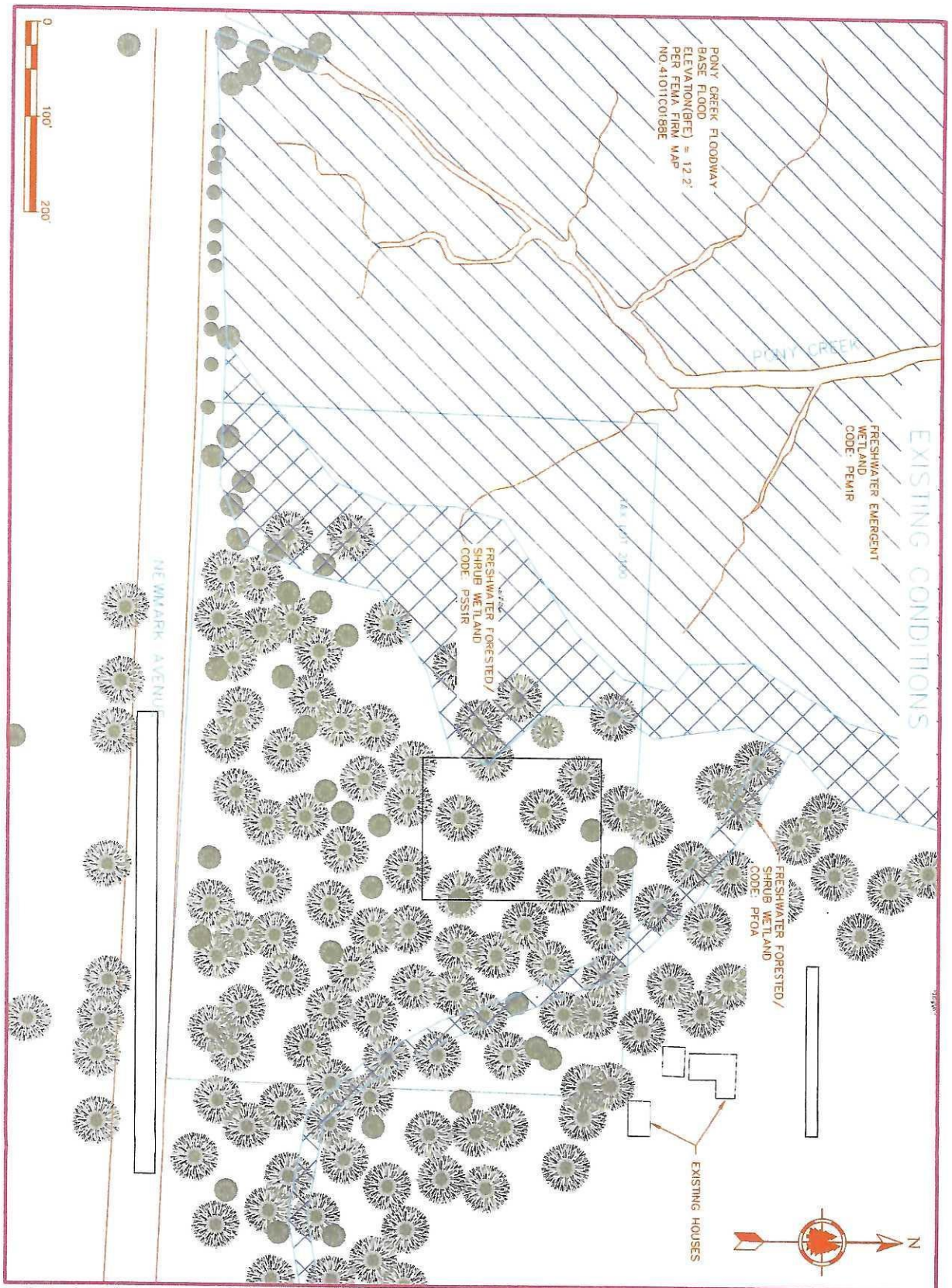
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DRAWN BY	ABM
CHECKED BY	MYC
DATE	APRIL 2019
REVISION	
FOR NAME	GAYEWSKI
JOB NO.	119-004
SHEET	2 OF 5



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JOB NAME	GAYEWSKI
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# SHEET NOTES:

ALL HARVEST/DISTURBANCE ACTIVITIES IS SCHEDULED TO OCCUR DURING THE DRY SEASON JULY/AUGUST TO MINIMIZE POTENTIAL IMPACTS TO THE AREA.

THERE ARE NO CATCH BASINS AFFECTED BY THE HARVEST THE ALONG THE NORTH SIDE OF THE NEWMARK.

BUILD TEMPORARY CONSTRUCTION ENTRANCE TO REDUCE TRACKING FROM SITE.

20' WIDE BY 50' LONG  
MIN 10" DEEP OF 6"-4" QUARRY SPELLS WITH LITTLE TO NO FINES PLACE ROAD GRADE. GEOTEXTILE BELOW ROCK REMOVE CONSTRUCTION ACCESS AFTER COMPLETION OF PROJECT AND SEED AREA.

INSTALL SILT FENCE AROUND HARVEST AREA AND/OR AS NEEDED

ALL HARVEST ACTIVITIES SHALL MAINTAIN GREATER THAN 50 FT DISTANCE FROM ALL OF PONY CREEK IS MOST AREAS AND REMAIN OUT OF THE FLOOD PLAIN ABOVE ELEVATION OF 13' 2 BMP'S WILL BE USED IN AREAS WHERE THE BUFFER IS LESS THAN 50 FT AS NOTED ON THE PLANS.

STORM OUTFALL IS A CULVERT UNDER NEWMARK AVENUE FROM A DRAINAGE AREA THAT IS CUT NOT INTERFERE OR AFFECT THE OUTFALL

ALL DISTURBED SOILS SHALL BE SEEDDED FOLLOWING COMPLETION OF HARVEST

## EROSION CONTROL SEED MIX

- 40% RED FESCUE (*Festuca rubra*)
- 30% PERENNIAL RYE GRASS
- 15% YARROW (*Achillea millefolium*)
- 15% CALIFORNIA BROOME (*Bromus carinatus*)

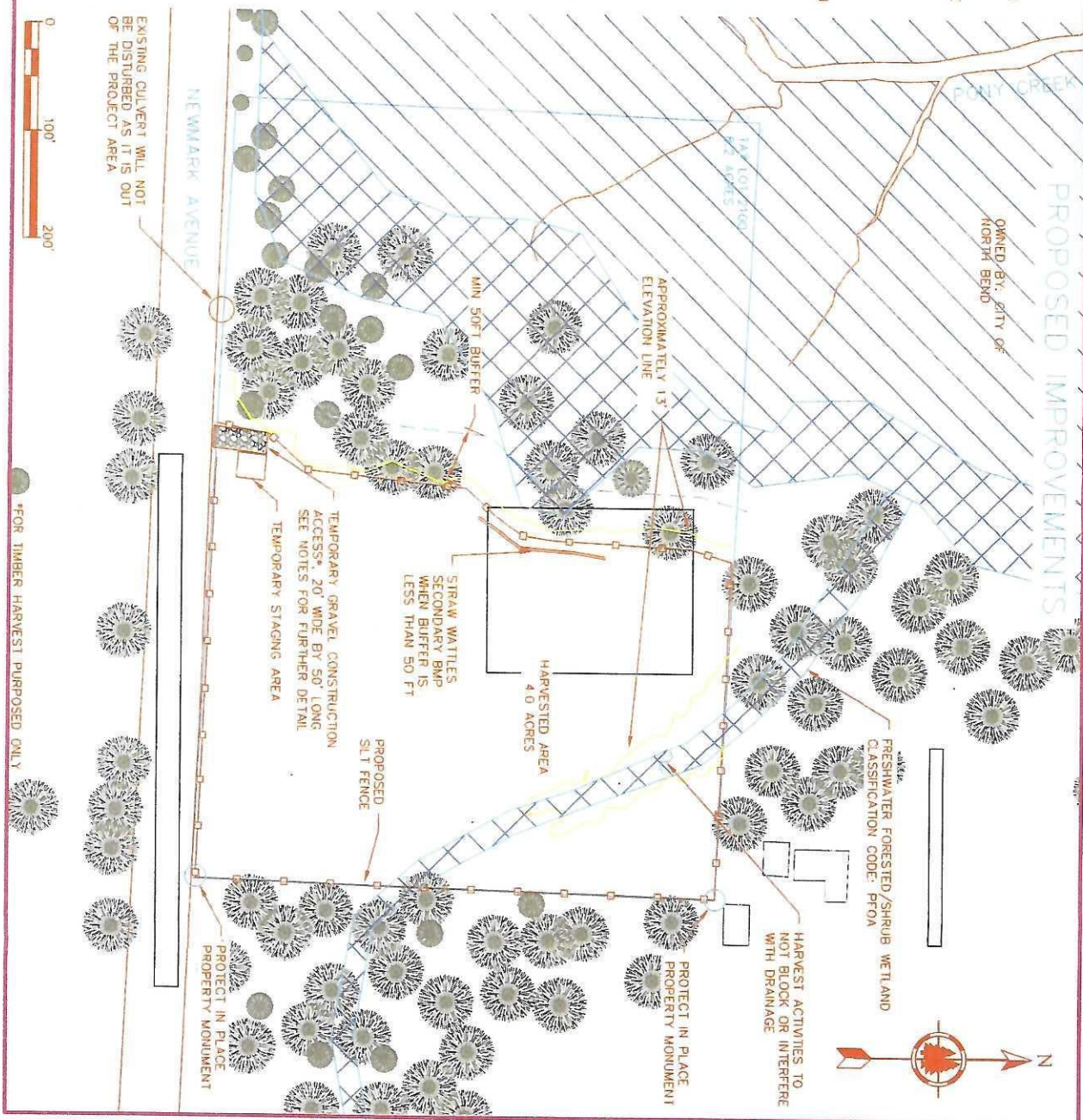
EROSION CONTROL SEED SHALL BE SEEDDED AT A RATE OF 50 LBS PURE LIVE SEED PER ACRE SLOPES STEEPER THAN 2:1 SHALL BE COVERED WITH EROSION CONTROL MATTING (ECM) FERTILIZE AT A RATE OF 350 LBS/ACRE WITH 22-16-8, 50% SLOW RELEASE NITROGEN.

EROSION BLANKET SHALL BE ON ALL SLOPES 4 FEET OR HIGHER AND SLOPES STEEPER THAN 2:1. IV ECM SHALL BE A NETTED COCONUT, CORN, EXCELSDOR OR MATRIX, 100% BIODEGRADABLE, WITH A FUNCTIONAL LONGEVITY OF 18 MONTHS, STAPLE WITH 12" LONG, 0.091 DIA WIRE STAPLES AT NOT MORE THAN 6 FEET ON CENTER

## BUFFER NOTES:

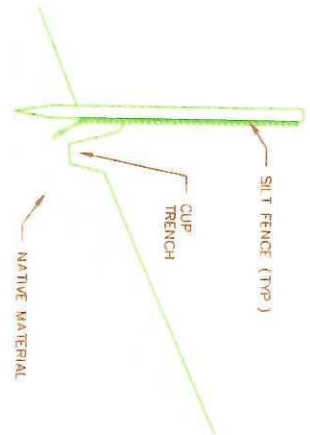
IN AREAS WHERE THE 50 FT BUFFER ZONE CANNOT BE MAINTAINED, TWO BMP'S WILL BE PLACED FOR PROTECTION SILT FENCING AND STRAW WATTLIES WILL BE USED. SITE WILL BE SEEDDED FOLLOWING HARVEST.

ELEVATIONS BASED ON NOAA 2008 LIDAR



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DATE	APRIL 2019	
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JOB NAME	GAYEWSKI	
JOB NO.	119-004	
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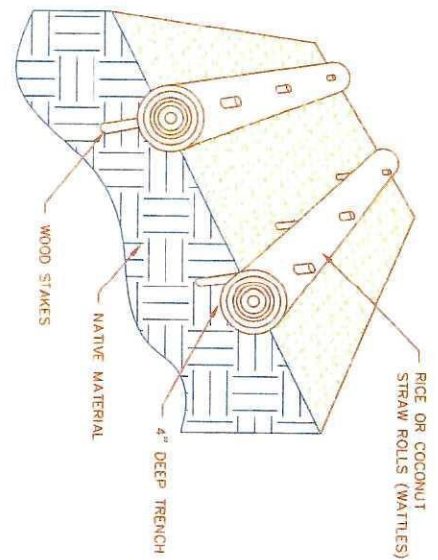
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- DETAIL NOTES:
1. SILT FENCE POSTS SHALL BE PLACED ON DOWNSLOPE SIDE
  2. POSTS MAXIMUM 6' O.C.
  3. BURY FENCE 6" MIN W/CUP TRENCH ON UPSLOPE SIDE
  4. FENCE SHALL BE AMOCO 1198 OR EQUAL

A TYPICAL SILT FENCE  
5 SCALE NTS

SHEET NOTES:  
EROSION CONTROLS CHOSEN ARE  
TEMPORARY DUE TO THE CONDITION THAT  
THE SITE WILL BE STABILIZED WITH AN  
APPROVED SEED MIXTURE UPON  
COMPLETION OF TIMBER HARVEST.



- DETAIL NOTES:
1. INSTALL INTO SHALLOW TRENCHES DOWNSLOPE SIDE
  2. STAKES MAXIMUM 6' O.C.

B TYPICAL STRAW WATTLE  
5 SCALE NTS

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CHECKED BY	INVC
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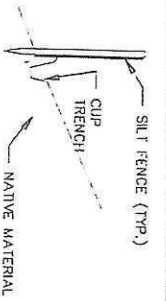
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# PROPOSED IMPROVEMENTS



## SILT FENCING NOTES:

1. SILT FENCE POSTS SHALL BE PLACED ON DOWNSLOPE SIDE.
2. POSTS MAXIMUM 6' O.C.
3. BURY FENCE 6" MIN. W/CUP TRENCH ON UPSLOPE SIDE.
4. FENCE SHALL BE AMCO 1198 OR EQUAL.



4 TYPICAL SILT FENCE  
SCALE: NTS

## SHEET NOTES:

BUILD CONSTRUCTION ENTRANCE TO REDUCE TRACKING FROM SITE.  
20' WIDE BY 50' LONG.  
MIN 10" DEEP OF 6"-4" QUARRY SPELLS WITH LITTLE TO NO FINES  
PLACE ROAD GRADE GEOTEXTILE BETWEEN SUBGRADE AND ROCK

INSTALL SILT FENCE AROUND DISTURBANCE AREA AND / OR AS NEEDED

ALL SOIL DISTURBANCE ACTIVITIES SHALL MAINTAIN GREATER THAN 50 FT DISTANCE FROM ALL OF PONY CREEK AND REMAIN OUT OF THE FLOOD PLAIN. ABOVE ELEVATION OF 13'

ALL DISTURBED SOILS SHALL BE SEEDED FOLLOWING HARVEST OF THE TREES.

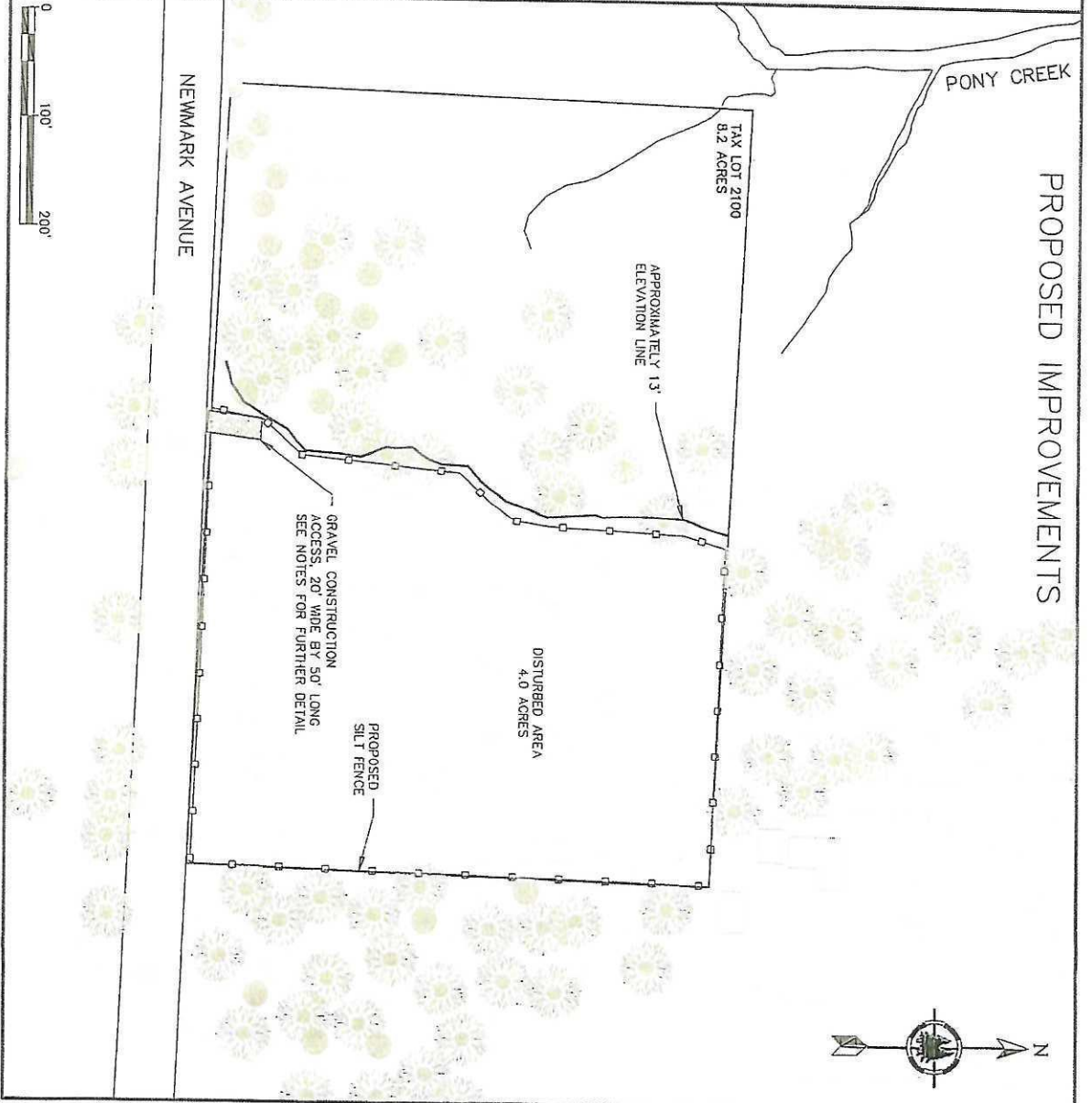
## EROSION CONTROL SEED MIX

- 40% RED FESCUE (*Festuca rubra*)
- 30% PERENNIAL RYE GRASS
- 15% YARROW (*Achillea millefolium*)
- 15% CALIFORNIA BROWN (*Trifolium corniculatus*)

EROSION CONTROL SEED SHALL BE SEEDED AT A RATE OF 50 LBS PURE LIVE SEED PER ACRE. SLOPES STEEPER THAN 2.5H:1V SHALL BE COVERED WITH EROSION CONTROL MATING (ECM). FERTILIZE AT A RATE OF 35 LBS/ACRE WITH 22-16-8, 50% SLOW RELEASE NITROGEN.

EROSION BLANKET SHALL BE ON ALL SLOPES 4 FEET OR HIGHER AND SLOPES STEEPER THAN 2.5H:1V. ECM SHALL BE A NETTED COCONUT, COIR, EXCELSDOR OR MATRIX, 100% BIODEGRADABLE WITH A FUNCTIONAL LONGEVITY OF 18 MONTHS. STRAPLE WITH 12" LONG 0.091 DIA WIRE STAPLES AT NOT MORE THAN 6 FEET ON CENTER.

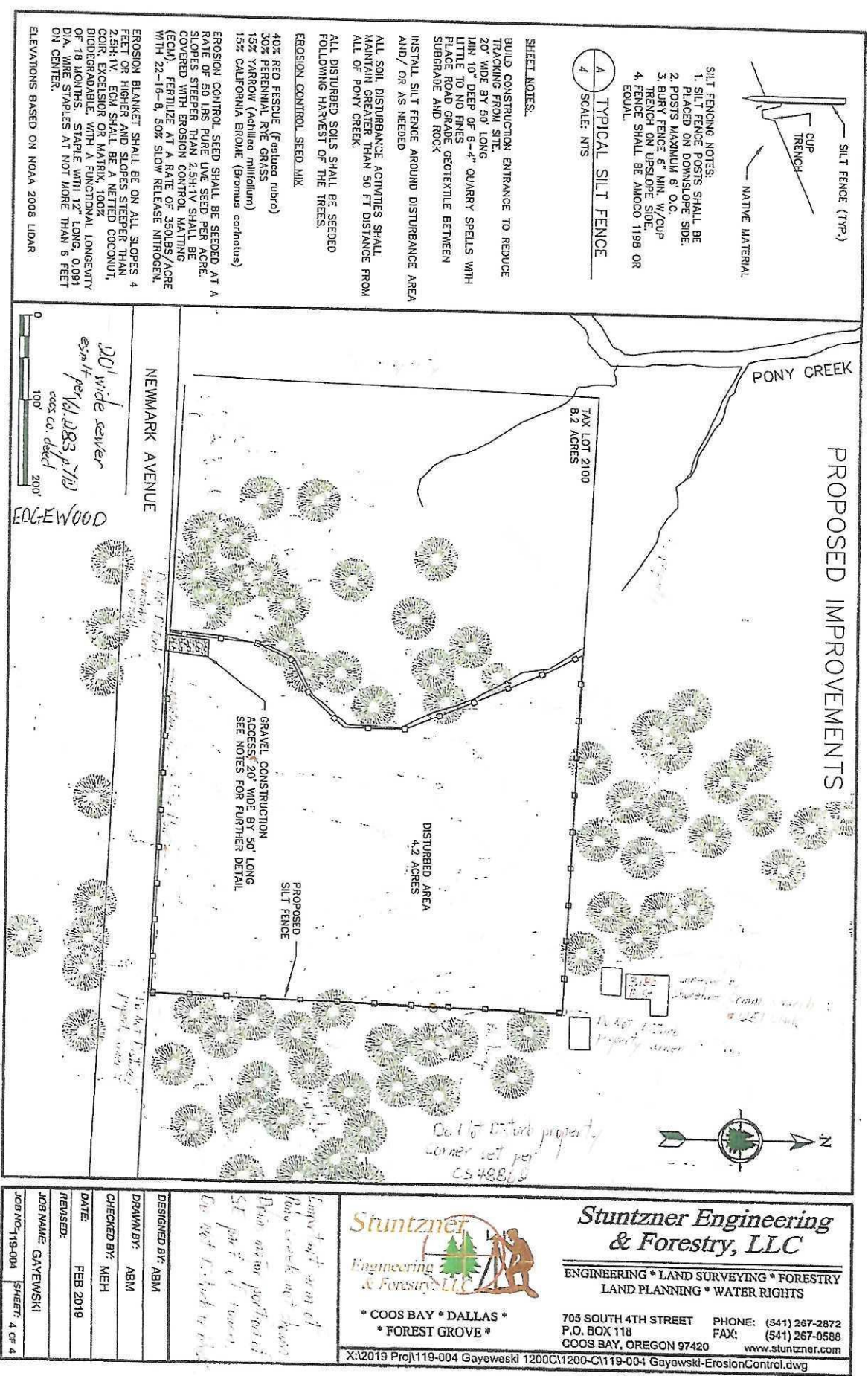
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DATE	FEB 2019
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JOH NAME	GAYEWSKI
JOH NO	119-004
SHEET	4 OF 4

\* THIS DOCUMENT IS ONLY FOR NOTES; SEE REVISED SITE PLAN FOR AUTHORIZED ACTIVITY.



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SHEET:	4 OF 4

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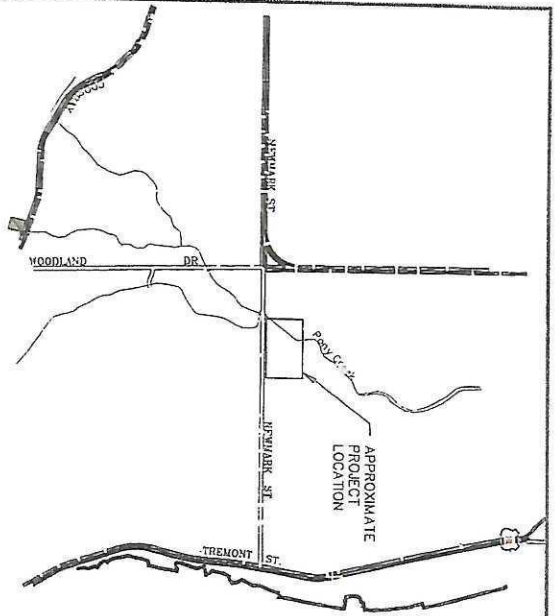
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# GAYEWSKI EROSION CONTROL

LOCATED IN TOWNSHIP 25 SOUTH, RANGE 13  
WEST, W.M., SECTION 22, TAX LOT 2100  
COOS COUNTY, OREGON



## STANDARD EROSION AND SEDIMENT CONTROL PLAN DRAWING NOTES:

1. HOLD A PRE-CONSTRUCTION MEETING OF PROJECT CONSTRUCTION PERSONNEL THAT INCLUDES THE INSPECTOR TO DISCUSS EROSION AND SEDIMENT CONTROL MEASURES AND CONSTRUCTION LIMITS. (SCHEDULE A.8.C.I.(3))
2. ALL INSPECTIONS MUST BE MADE IN ACCORDANCE WITH DEQ 1200C PERMIT REQUIREMENTS. (SCHEDULE A.12.B and Schedule B.1)
3. INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200C 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 MUNICIPALITY. DURING ACTIVE 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)
5. ALL PERMIT REGISTRANT MUST IMPLEMENT THE ESCP, FAILURE TO IMPLEMENT ANY OF THE CONTROL MEASURES OR PRACTICES DESCRIBE THE ESCP IS A VIOLATION OF THE PERMIT. (Schedule A.8.d)
6. THE ESCP MUST BE ACCURATE AND REFLECT THE SITE CONDITIONS. (Schedule A.12.C.i)
7. 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)
9. IDENTIFY, MARK AND PROTECT (BY CONSTRUCTION FENCING OR OTHER MEANS) CRITICAL RIPARIAN AREAS AND VEGETATION INCLUDING IMPORTANT TREES AND ASSOCIATED ROOTING ZONES, AND 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 PRACTICAL 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 WITH THE 50- FEET OF WATERS OF THE STATE. (Schedule A.7.b.i. and (2)(c)(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 A.8.c.i.(3)).
13. CONTROL BOTH PEAK FLOW RATES AND TOTAL STORM WATER VOLUME TO MINIMIZE EROSION AT OUTLETS, DOWNSTREAM CHANNELS, AND STREAM BANKS. (Schedule A.7.c).
14. CONTROL SEDIMENTS 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 STABILIZATION MEASURES ARE NOT REQUIRED FOR AREAS THAT ARE INTENDED TO BE LEFT UN-VEGETATED, SUCH AS DIRT ACCESS ROADS OR UTILITY POLE PADS. (Schedule A.8.c.k.(3)).
17. ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON-STORM WATER CONTROLS. (Schedule A.8.c.i.(7)).
18. PREVENT TRACKING OF SEDIMENT INTO PUBLIC OR PRIVATE ROADS USING BMP'S SUCH AS: CONSTRUCTION ENTRANCE, GRAVELED (OR PAVED) EXITS AND PARKING AREAS, GRAVEL ALL UNPAVED ROADS LOCATED ON-SITE, OR USE AN EXIT TIRE WASH. THESE BMP'S MUST BE IN PLACE PRIOR TO LAND DISTURBING 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 & CURING COMPOUNDS) (Schedule A.6).
21. USE BMP'S TO PREVENT OR MINIMIZE STORM WATER 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)).



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REVIEWED	
JOB NAME	GAYEWSKI
JOB NO. 119-004	SHEET 1 OF 4

# STANDARD EROSION AND SEDIMENT CONTROL PLAN DRAWING NOTES: (cont.)

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 STORAGE, 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.d.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 (I.E., ELECTRO-COAGULATION, FLOCCULATION, 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 OPERATION. 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 UPON 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.c.i.(2)).
28. CONSTRUCTION ACTIVITIES MUST AVOID OR MINIMIZE EXCAVATION AND BARE GROUND ACTIVITIES DURING WET WEATHER. (Schedule A.7.c.i.)
29. SEDIMENT FENCE, REMOVED TRAPPED SEDIMENT BEFORE IT REACHES ON THIRD OF THE ABOVE GROUND 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 & iv.)
32. WITHIN 24 HOURS, SIGNIFICANT SEDIMENT THAT HAS LEFT THE CONSTRUCTION SITE MUST BE RECOVERED. INVESTIGATE THE CAUSE OF THE SEDIMENT RELEASE, AND IMPLEMENT STEPS TO PREVENT A REOCCURRENCE OF THE DISCHARGE WITHIN THE SAME 24 HOURS. ANY IN-STREAM CLEANUP OF SEDIMENT SHALL BE PERFORMED ACCORDING TO THE OREGON DIVISION OF STATE LANDS REQUIRED FRAMEWORK. (Schedule A.9.b.i.)
33. THE INTENTIONAL WASHING OF SEDIMENT INTO STORM SEWERS OR DRAINAGEWAYS 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.9.c.iii(1) and D.3.c.ii and iii.)

SITE CONDITIONS	MINIMUM FREQUENCY
1. ACTIVE PERIOD	DAILY WHEN STORMWATER RUNOFF, INCLUDING RUNOFF FROM SNOWMELT, IS OCCURRING.
2. PRIOR TO THE SITE BECOMING INACTIVE OR IN ANTIOPERATION OF SITE INACCESSIBILITY.	AT LEAST ONCE EVERY 14 DAYS, REGARDLESS OF WHETHER STORMWATER RUNOFF IS OCCURRING.
3. INACTIVE PERIODS GREATER THAN FOURTEEN (14) CONSECUTIVE CALENDAR DAYS	ONCE TO ENSURE THAT EROSION AND SEDIMENT CONTROL MEASURES ARE IN WORKING ORDER. MUST BE MADE PRIOR TO LEAVING SITE.
4. PERIODS DURING WHICH THE SITE IS INACCESSIBLE DUE TO INCLEMENT WEATHER	ONCE EVERY MONTH
5. PERIOD DURING WHICH DISCHARGE IS UNLIKELY DUE TO FROZEN CONDITIONS	IF PRACTICAL, INSPECTIONS MUST OCCUR DAILY AT A RELEVANT AND ACCESSIBLE DISCHARGE POINT OR DOWNSTREAM LOCATION
	MONTHLY, RESUME MONITORING IMMEDIATELY UPON MELT, OR WHEN DISCHARGES ARE LIKELY



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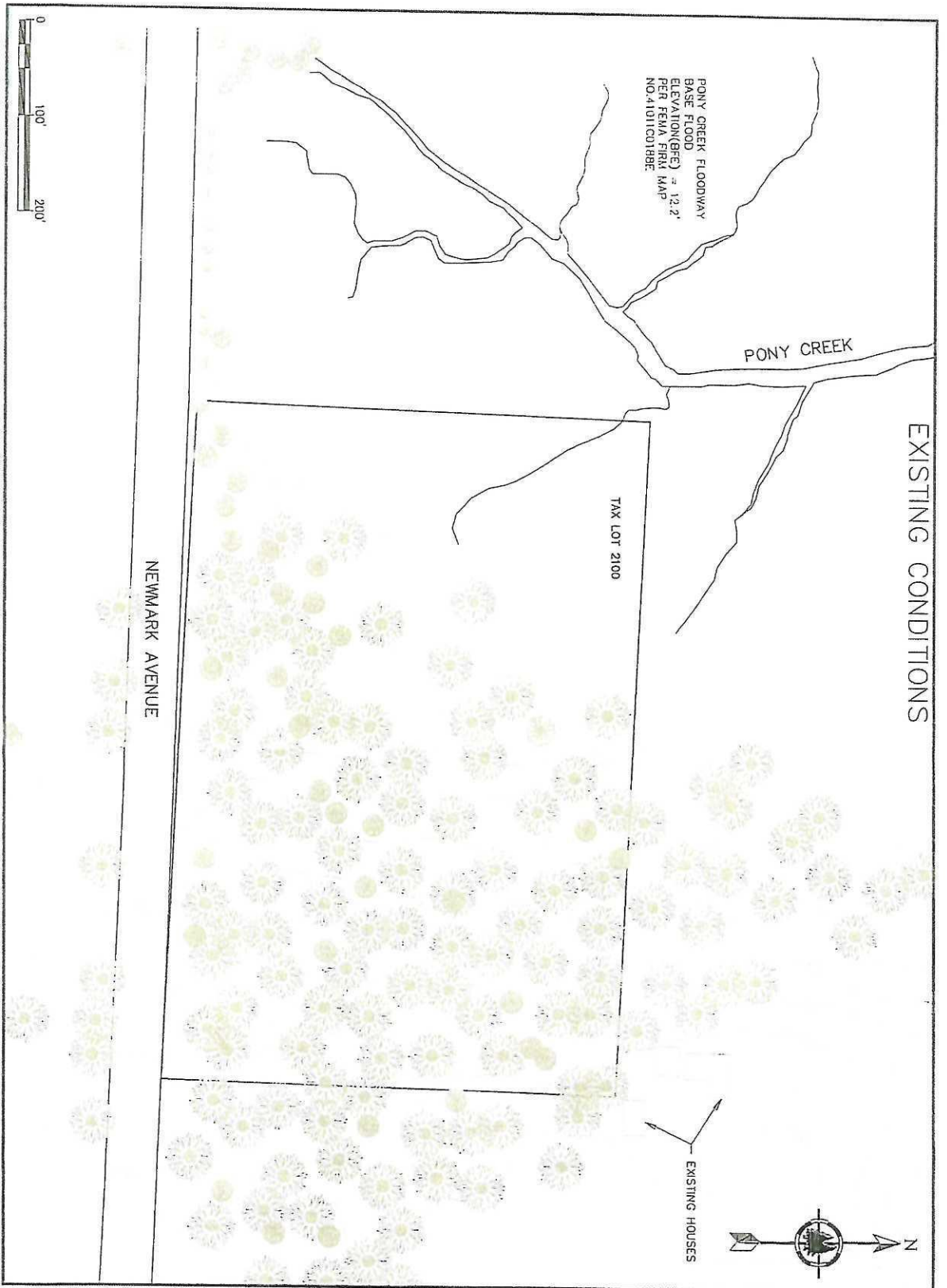
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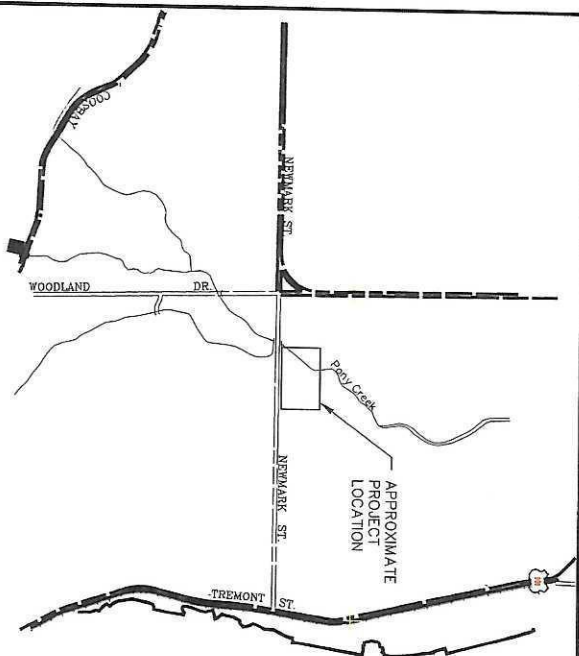
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DATE	FEB 2019
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JOB NAME	GAWEWSKI
JOB NO.	119-004
SHEET	2 OF 4



<p>DESIGNED BY: ABM</p> <p>DRAWN BY: ABM</p> <p>CHECKED BY: MEH</p> <p>DATE: FEB 2019</p> <p>REVISED:</p> <p>JOB NAME: GAYEWSKI</p> <p>JOB NO: 119-004</p> <p>SHEET: 3 OF 4</p>		<div style="display: flex; align-items: center;"> <div> <p><b>Stuntzner Engineering &amp; Forestry, LLC</b></p> <p>ENGINEERING * LAND SURVEYING * FORESTRY LAND PLANNING * WATER RIGHTS</p> <p>COOS BAY * DALLAS * FOREST GROVE *</p> </div> </div> <div style="display: flex; justify-content: space-between; font-size: small;"> <p>705 SOUTH 4TH STREET P.O. BOX 118 COOS BAY, OREGON 97420</p> <p>PHONE: (541) 267-2872 FAX: (541) 267-0588 <a href="http://www.stuntzner.com">www.stuntzner.com</a></p> </div>	
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# GAYEWSKI EROSION CONTROL LOCATED IN TOWNSHIP 25 SOUTH, RANGE 13 WEST, W.M., SECTION 22, TAX LOT 2100 COOS COUNTY, OREGON



## STANDARD EROSION AND SEDIMENT CONTROL PLAN DRAWING NOTES:

1. HOLD A PRE-CONSTRUCTION MEETING OF PROJECT CONSTRUCTION PERSONNEL THAT INCLUDES THE INSPECTOR TO DISCUSS EROSION AND SEDIMENT CONTROL MEASURES AND CONSTRUCTION LIMITS. (SCHEDULE A.8.c.i.(3))
2. ALL INSPECTIONS MUST BE MADE IN ACCORDANCE WITH DEQ 1200C PERMIT REQUIREMENTS. (Schedule A.12.b and Schedule B.1)
3. INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200C 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 MUNICIPALITY. DURING ACTIVE 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)
5. ALL PERMIT REGISTRANT MUST IMPLEMENT THE ESCP. FAILURE TO IMPLEMENT ANY OF THE CONTROL MEASURES OR PRACTICES DESCRIBE THE ESCP IS A VIOLATION OF THE PERMIT. (Schedule A.8.o)
6. THE ESCP MUST BE ACCURATE AND REFLECT THE SITE CONDITIONS. (Schedule A.12.c.i)
7. 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)
9. IDENTIFY, MARK AND PROTECT (BY CONSTRUCTION FENCING OR OTHER MEANS) CRITICAL RIPARIAN AREAS AND VEGETATION INCLUDING IMPORTANT TREES AND ASSOCIATED ROOTING ZONES, AND 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 PRACTICAL 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 WITH THE 50- FEET OF WATERS OF THE STATE. (Schedule A.7.b.i. and (2)(o)(v)).
12. INSTALL PERIMETER SEDIMENT CONTROL, INCLUDING STORM DRAIN INLET PROTECTION AS WELL AS ALL SEDIMENT BASINS, TRAPS AND BARRIERS PRIOR TO LAND DISTURBANCE. (Schedule A.8.c.i.(5)).
13. CONTROL BOTH PEAK FLOW RATES AND TOTAL STORM WATER VOLUME, TO MINIMIZE EROSION AT OUTLETS, DOWNSTREAM CHANNELS, AND STREAM BANKS. (Schedule A.7.c)
14. CONTROL SEDIMENTS 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 STABILIZATION MEASURES ARE NOT REQUIRED FOR AREAS THAT ARE INTENDED TO BE LEFT UN-VEGETATED, SUCH AS DIRT ACCESS ROADS OR UTILITY POLE PADS. (Schedule A.8.c.i.(3)).
17. ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON-STORM WATER CONTROLS. (Schedule A.8.c.i.(7)).
18. PREVENT TRACKING OF SEDIMENT INTO PUBLIC OR PRIVATE ROADS USING BMP'S SUCH AS: CONSTRUCTION ENTRANCE, GRAVELED (OR PAVED) EXITS AND PARKING AREAS, GRAVEL ALL UNPAVED ROADS LOCATED ON-SITE, OR USE AN EXIT TIRE WASH. THESE BMP'S MUST BE IN PLACE PRIOR TO LAND DISTURBING 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.iii(3)).
20. CONTROL PROHIBITED DISCHARGES FROM LEAVING THE CONSTRUCTION SITE(I.E. CONCRETE WASH-OUT, WASTEWATER FROM CLEANOUT OF STUCCO, PAINT & CURING COMPOUNDS) (Schedule A.6).
21. USE BMP'S TO PREVENT OR MINIMIZE STORM WATER 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, HERBICIDES, PESTICIDES, PAINTS, SOLVENTS, CURING COMPOUNDS AND ADHESIVES FROM CONSTRUCTION OPERATIONS. (Schedule A.7.e.i.(2)).

DESIGNED BY:	ABM
DRAWN BY:	ABM
CHECKED BY:	NVC
DATE:	APRIL 2019
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JOB NAME:	GAYEWSKI
JOB NO. 19-004	SHEET: 1 OF 5



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# STANDARD EROSION AND SEDIMENT CONTROL PLAN DRAWING NOTES: (cont.)

22. IMPLEMENT THE FOLLOWING BMP'S 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 (I.E., ELECTRO-COAGULATION, FLOCCULATION, 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 OPERATION OF 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 UPON WEATHER CONDITIONS, AT THE END OF EACH WORKDAY, SOIL STOCKPILES MUST BE STABILIZED OR COVERED, OR OTHER BMP'S 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: REMOVED TRAPPED SEDIMENT BEFORE IT REACHES ON THIRD OF THE ABOVE GROUND 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 & iv).
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 REURRENCE OF THE DISCHARGE WITHIN THE SAME 24 HOURS. ANY IN-STREAM CLEANUP 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 MUCH 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(i) and D.3.c.ii and iii).

SITE CONDITIONS		MINIMUM FREQUENCY
1. ACTIVE PERIOD		DAILY WHEN STORMWATER RUNOFF, INCLUDING RUNOFF FROM SNOWMELT, IS OCCURRING.
2. PRIOR TO THE SITE BECOMING INACTIVE OR IN ANTIPOPTION OF SITE INACCESSIBILITY.		AT LEAST ONCE EVERY 14 DAYS, REGARDLESS OF WHETHER STORMWATER RUNOFF IS OCCURRING.
3. INACTIVE PERIODS GREATER THAN FOURTEEN (14) CONSECUTIVE CALENDAR DAYS		ONCE TO ENSURE THAT EROSION AND SEDIMENT CONTROL MEASURES ARE IN WORKING ORDER. ANY NECESSARY MAINTENANCE AND REPAIR MUST BE MADE PRIOR TO LEAVING SITE.
4. PERIODS DURING WHICH THE SITE IS INACCESSIBLE DUE TO INCLEMENT WEATHER		ONCE EVERY MONTH
5. PERIOD DURING WHICH DISCHARGE IS UNLIKELY DUE TO FROZEN CONDITIONS		IF PRACTICAL, INSPECTIONS MUST OCCUR DAILY AT A RELEVANT AND ACCESSIBLE DISCHARGE POINT OR DOWNSTREAM LOCATION
		MONTHLY, RESUME MONITORING IMMEDIATELY UPON MELT, OR WHEN DISCHARGES ARE LIKELY.

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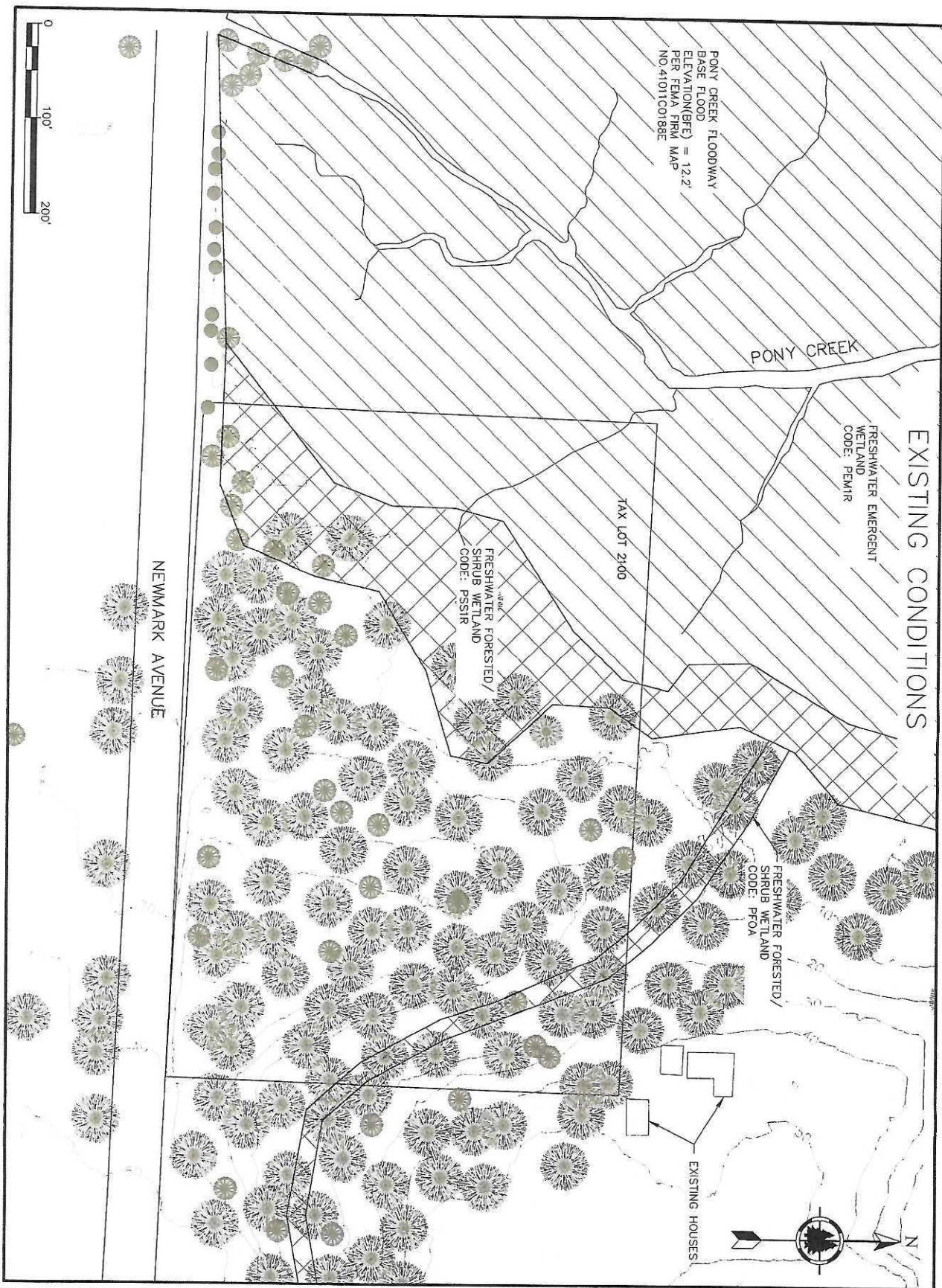



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JOB NO.: 119-004	SHEET: 3 OF 5

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# SHEET NOTES:

ALL HARVEST/DISTURBANCE ACTIVITIES IS SCHEDULED TO OCCUR DURING THE DRY SEASON JULY/AUGUST TO MINIMIZE POTENTIAL IMPACTS TO THE AREA.

THERE ARE NO CATCH BASINS AFFECTED BY THE HARVEST THE ALONG THE NORTH SIDE OF NEWMARK.

BUILD TEMPORARY CONSTRUCTION ENTRANCE TO REDUCE TRACKING FROM SITE.

20' WIDE BY 50' LONG  
MIN 10" DEEP OF 6"-4" QUARRY SPELLS WITH LITTLE TO NO FINES, PLACE ROAD GRADE GEOTEXTILE BELOW ROCK, REMOVE CONSTRUCTION ACCESS AFTER COMPLETION OF PROJECT AND SEED AREA.

INSTALL SILT FENCE AROUND HARVEST AREA AND/ OR AS NEEDED

ALL HARVEST ACTIVITIES SHALL MAINTAIN GREATER THAN 50 FT DISTANCE FROM ALL OF PONY CREEK IS MOST AREAS AND REMAIN OUT OF THE FLOOD PLAIN, ABOVE ELEVATION OF 13'. 2 BMP'S WILL BE USED IN AREAS WHERE THE BUFFER IS LESS THAN 50 FT AS NOTED ON THE PLANS.

STORM OUTFALL IS A CULVERT UNDER NEWMARK AVENUE FROM A DRAINAGE AREA THAT IS OUT NOT INTERFERE OR AFFECT THE OUTFALL.

ALL DISTURBED SOILS SHALL BE SEEDDED FOLLOWING COMPLETION OF HARVEST.

## EROSION CONTROL SEED MIX

- 40% RED FESCUE (*Festuca rubra*)
- 30% PERENNIAL RYE GRASS
- 15% YARROW (*Achillea millefolium*)
- 15% CALIFORNIA BROOME (*Bromus carinatus*)

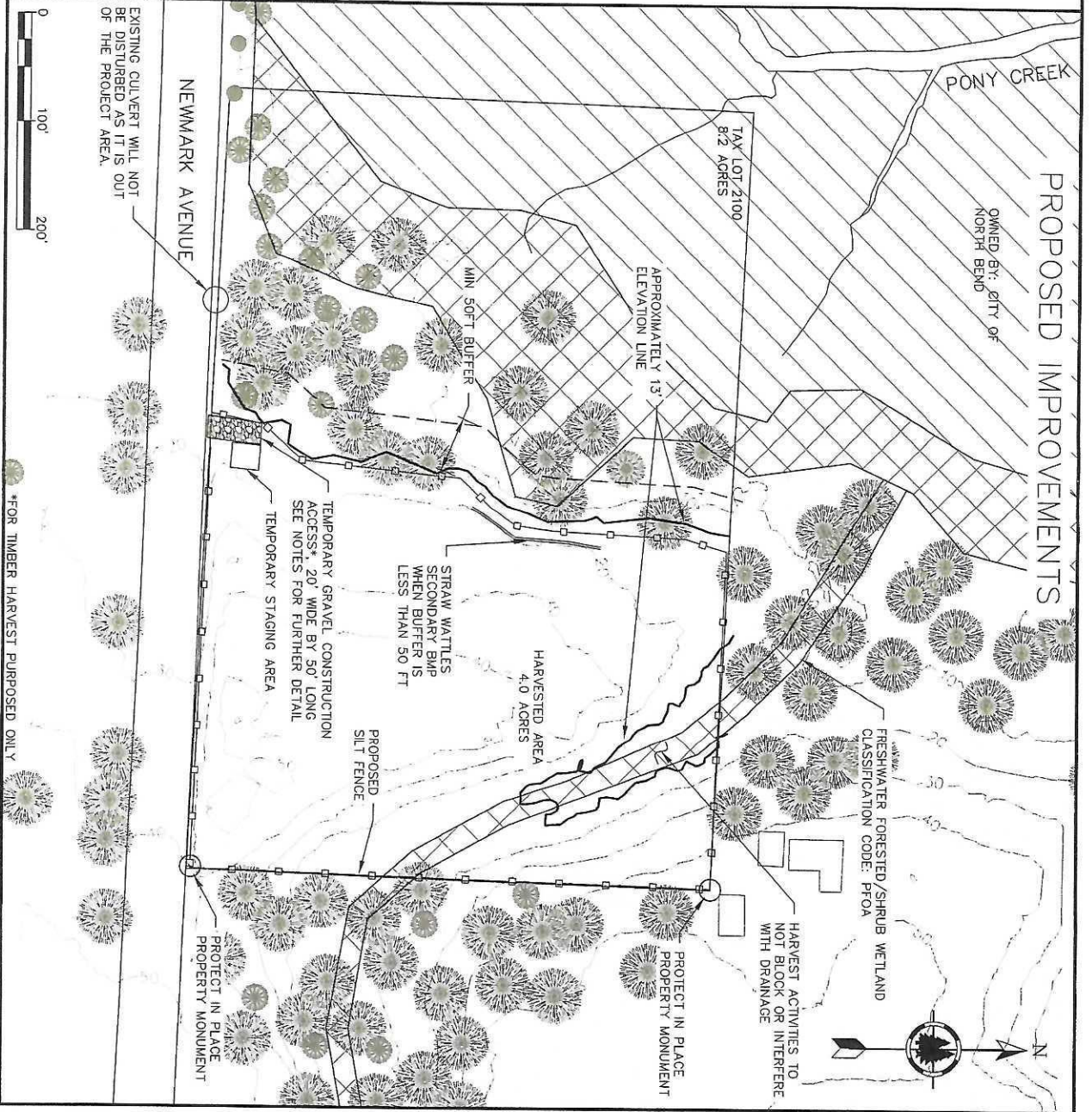
EROSION CONTROL SEED SHALL BE SEEDDED AT A RATE OF 50 LBS PURE LIVE SEED PER ACRE. SLOPES STEEPER THAN 2.5H:1V SHALL BE COVERED WITH EROSION CONTROL MATTING (ECM), FERTILIZE AT A RATE OF 350LBS/ACRE WITH 22-16-8, 50% SLOW RELEASE NITROGEN.

EROSION BLANKET SHALL BE ON ALL SLOPES 4 FEET OR HIGHER AND SLOPES STEEPER THAN 2.5H:1V. ECM SHALL BE A NETTED COCONUT, COIR, EXCELSTOR OR MATRIX. 100% BIODEGRADABLE, WITH A FUNCTIONAL LONGEVITY OF 18 MONTHS. STAPLE WITH 12" LONG, 0.091 DIA. WIRE STAPLES AT NOT MORE THAN 6 FEET ON CENTER.

**BUFFER NOTES:**  
IN AREAS WHERE THE SOFT BUFFER ZONE CANNOT BE MAINTAINED, TWO BMP'S WILL BE PLACED FOR PROTECTION, SILT FENCING AND STRAW WATTLIES WILL BE USED. SITE WILL BE SEEDDED FOLLOWING HARVEST.

ELEVATIONS BASED ON NOAA 2008 UDAR

# PROPOSED IMPROVEMENTS



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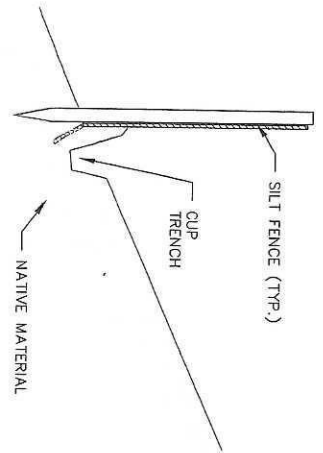
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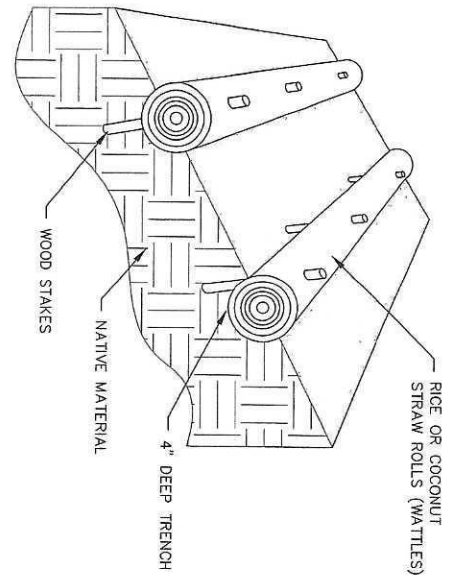
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- DETAIL NOTES:
1. SILT FENCE POSTS SHALL BE PLACED ON DOWNSLOPE SIDE.
  2. POSTS MAXIMUM 6' O.C.
  3. BURY FENCE 6" MIN. W/ CUP TRENCH ON UPSLOPE SIDE.
  4. FENCE SHALL BE AMOCO 1198 OR EQUAL.

**A** TYPICAL SILT FENCE  
5 SCALE: NTS



- DETAIL NOTES:
1. INSTALL INTO SHALLOW TRENCHES DOWNSLOPE SIDE.
  2. STAKES MAXIMUM 6' O.C.

**B** TYPICAL STRAW WATTLE  
5 SCALE: NTS

SHEET NOTES:  
EROSION CONTROLS CHOSEN ARE TEMPORARY DUE TO THE CONDITION THAT THE SITE WILL BE STABILIZED WITH AN APPROVED SEED MIXTURE UPON COMPLETION OF TIMBER HARVEST.

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DESIGNED BY: ABM DRAWN BY: ABM CHECKED BY: INVC DATE: APRIL 2019 REVISED: JOB NAME: GAYEWSKI JOB NO.: 19-004	SHEET: 5 OF 5

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