MYRTLE GLEN PUD
EROSION AND SEDIMENT CONTROL PLAN
ASSESSOR'S TAX MAP 18-12-22-11, TAX LOTS 200, 1100 AND 1200
FLORENCE, LANE COUNTY, OREGON
RESOLUTION PC 22 21 PUD 01, PC 22 23 SUB 02, & SR 22 48 SIR 13
SEPTEMBER 2023

DEVELOPER:
WILLIAM JOHNSON CONSTRUCTION, INC.
PO BOX 1176
FLORENCE, OREGON 97439

CIVIL ENGINEER:
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EGR & ASSOCIATES, INC.
2535B PRAIRIE ROAD
EUGENE, OREGON 97402
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INSTALLING CONTRACTOR:
RAY WELLS EXCAVATION
CONTACT: NORM WELLS
PHONE: 541-991-0938
E-MAIL: norm@raywellsinc.com

EROSION CONTROL INSPECTOR
PERMITTEE'S SITE INSPECTOR: NORM WELLS
COMPANY/AGENCY: RAY WELLS EXCAVATION
PHONE: 541-991-0938
E-MAIL: norm@raywellsinc.com
DESCRIPTION OF EXPERIENCE (BEGINNING JANUARY 1, 2017
EROSION INSPECTORS MUST BE CERTIFIED): EROSION & SEDIMENT CONTROL INSPECTOR TRAINING, CERTIFICATE ID#ECO-3-2072102, EXPIRES 2/7/2024

PROJECT SITE DESCRIPTION
TAX LOTS 200, 1100 AND 1200 (LANE COUNTY TAX MAP 18-12-22-11)
LATITUDE = 43.9988°, LONGITUDE = -124.1056°
WEST OF OAK STREET AT 37TH STREET INTERSECTION
FLORENCE, OREGON 97439

EXISTING SITE CONDITIONS
VACANT LAND OVERGROWN WITH COASTAL BRUSH AND TREES. A STEEP SAND DUNE IS LOCATED ALONG THE WESTERLY SIDE OF THE SITE. THERE ARE NO ON-SITE WATER WELLS OR SEPTIC SYSTEM.

DEVELOPED CONDITIONS
EXTENSION OF A PUBLIC STREET WITH UTILITIES AND 24 LOT TOWN HOUSE DEVELOPMENT WITH ASSOCIATED PRIVATE ACCESS AND UTILITIES.

NATURE OF CONSTRUCTION ACTIVITY AND FILL MATERIAL
CITY APPROVAL HAS BEEN OBTAINED TO CREATE 24 LOTS LOCATED ON TAX LOTS 200 AND 1200 FOR DEVELOPMENT OF TOWN HOMES. 37TH STREET WILL BE EXTENDED ONTO THE SITE FROM THE CURRENT INTERSECTION OF OAK STREET AND 37TH STREET TO THE EAST. TOWN HOME LOTS ARE LOCATED ON THE NORTH SIDE OF THE STREET EXTENSION. PUBLIC UTILITIES WILL BE INSTALLED AS PART OF 37TH STREET WITH UTILITY STUB-OUTS ON THE NORTH SIDE TO SERVE THE TOWN HOME LOTS. ACCESS, PARKING AND PRIVATE UTILITIES WILL BE INSTALLED BETWEEN THE STREET AND TOWN HOMES. TOWN HOMES WILL BE BUILT AS ATTACHED TRIPLEX AND FOURPLEX BUILDING UNITS. FILL MATERIAL FOR GRADING WORK WILL CONSIST OF SAND OBTAINED FROM THE SAND DUNE FORMATION ON THE WESTERLY SIDE OF THE SITE ON TAX LOT 1100. FUTURE DEVELOPMENT MAY OCCUR SOUTH OF 37TH STREET EXTENSION BUT IS NOT CURRENTLY BEING CONTEMPLATED.

TOTAL SITE AREA = 15.93 ACRES (TAX LOTS 200, 1100 AND 1200)
TOWN HOME SUBDIVISION AREA = 3.34 ACRES (TAX LOTS 200 AND 1200)
TOTAL DISTURBED AREA = 4.73± ACRES
MAXIMUM AREA TO BE DISTURBED AT ANY ONE TIME = 4.73 ACES (THE ENTIRE DISTURBED AREA WILL BE GRADED IN ONE OPERATION)

FILL MATERIAL FOR EMBANKMENT WILL CONSIST OF ON-SITE SOIL.

SITE SOIL CLASSIFICATION

TL 200:	140 YAQUINA LOAMY FINE SAND	100% OF TL	MODERATE WATER EROSION HAZARD
TL 1100:	44 DUNE LAND	14% OF TL	LOW WATER EROSION HAZARD
	140 YAQUINA LOAMY FINE SAND	86% OF TL	MODERATE WATER EROSION HAZARD
TL 1200:	140 YAQUINA LOAMY FINE SAND	100% OF TL	MODERATE WATER EROSION HAZARD

SEASONAL HIGH GROUNDWATER IS ESTIMATED TO BE GREATER THAN ONE FOOT BELOW EXISTING GROUND SURFACE. THIS IS DETERMINED BASED ON NO WETLANDS ARE FOUND ON THE SITE. WETLAND HYDROLOGY REQUIRES SEASONAL HIGH GROUNDWATER TO BE PRESENT WITHIN ONE FOOT OF GROUND SURFACE.

RECEIVING WATER BODIES
THE PROJECT AREA IS SITUATED IN A CITY OF FLORENCE DRAINAGE BASIN THAT GENERALLY DRAINS SOUTHERLY AND WESTERLY VIA A SERIES OF CLOSED PIPES AND OPEN CONVEYANCES TO THE SIUSLAW RIVER APPROXIMATELY TWO MILES SOUTHWESTERLY FROM THE SITE. THE SIUSLAW RIVER IS NOT ON THE 303(D) LIST FOR TURBIDITY OR SEDIMENT UNDER CATEGORY 5 AND CATEGORY 4A.

NATURAL BUFFER ZONE
THERE ARE NO OFF-SITE WETLAND OR WATER BODIES WITHIN 50 FEET FROM THE SITE BOUNDARY. THERE ARE NO WETLAND OR WATER BODIES ON THE PROJECT SITE PER DSL CONCURRENCE WD#2021-0494 OF WETLAND DELINEATION REPORT PREPARED BY PACIFIC HABITAT SERVICES INC. THE NATURAL BUFFER ZONE REQUIREMENTS ARE MET.

ENGINEERED SOILS
ENGINEERED SOILS (SOIL AMENDMENTS INCLUDING, BUT NOT LIMITED TO PORTLAND CEMENT-TREATED BASE, CEMENT KILN DUST, OR FLY ASH) WILL NOT BE UTILIZED ON THIS SITE.

CONSTRUCTION SUPPORT ACTIVITIES
THERE ARE NO PROPOSED OFF-SITE CONSTRUCTION SUPPORT ACTIVITIES. ON-SITE CONTRACTOR STAGING AREAS ARE SHOWN ON THE SITE PLANS.

ENVIRONMENTAL MANAGEMENT PLAN
THERE ARE NO KNOWN CONTAMINATED SOILS, CONTAMINATED GROUNDWATER, OR HAZARDOUS MATERIALS ON THE SITE. THERE IS NO ACTIVE TREATMENT SYSTEM FOR SEDIMENT, pH NEUTRALIZATION, OR OTHER POLLUTANT REMOVAL PLANNED OR TO BE IMPLEMENTED AT THE PROJECT SITE.

1200C PERMIT COMPLIANCE
THE PERMITTEE IS REQUIRED TO MEET ALL THE CONDITIONS OF THE 1200C PERMIT. THIS ESCP AND GENERAL CONDITIONS HAVE BEEN DEVELOPED TO FACILITATE COMPLIANCE WITH THE 1200C PERMIT REQUIREMENTS. IN CASES OF DISCREPANCIES OR OMISSIONS, THE 1200C PERMIT REQUIREMENTS SUPERCEDE REQUIREMENTS OF THIS PLAN.

UTILITY LOCATES
ATTENTION: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0001 THROUGH 952-001-0100. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS (503) 232-1987.

TO REQUEST A LOCATE PLEASE CALL: 811 OR (800) 332-2344

SITE CONTRACTOR INFORMATION
(NOTE: REVISE AS APPROPRIATE UNTIL PERMIT COVERAGE IS TERMINATED)

INSTALLING CONTRACTOR

INSTALLING CONTRACTOR IS RAY WELLS EXCAVATION RESPONSIBLE FOR ALL SITE PREPARATION, UNDERGROUND UTILITIES, STREET CONSTRUCTION, AND INSTALLATION AND MAINTENANCE OF EROSION CONTROL BMP'S.

RESPONSIBLE PERSON: NORM WELLS (541) 991-0938

EROSION CONTROL INSPECTOR

VISUAL MONITORING OF EROSION CONTROL BEST MANAGEMENT PRACTICES.

RESPONSIBLE PERSON: NORM WELLS (541) 991-0938

SUB-CONTRACTORS

CONCRETE WORK: TO BE DETERMINED

ASPHALT CONCRETE PAVING: TO BE DETERMINED

LANDSCAPE INSTALLER: TO BE DETERMINED

GENERAL CONTRACTOR

GENERAL CONTRACTOR IS WILLIAM JOHNSON CONSTRUCTION RESPONSIBLE FOR ERECTING THE TOWNHOUSES.

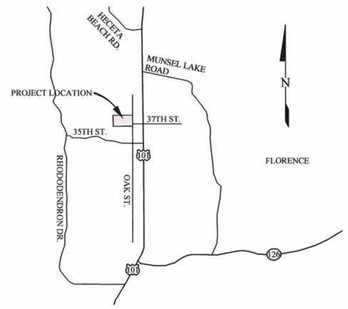
RESPONSIBLE PERSON IS : WILLIAM JOHNSON (541) 999-0836

CONSTRUCTION SCHEDULE
CONSTRUCTION IS DIVIDED INTO PHASES CONSISTING OF CLEARING, SITE GRADING, PUBLIC IMPROVEMENTS, PRIVATE IMPROVEMENTS, VERTICAL CONSTRUCTION AND FINAL STABILIZATION. PUBLIC IMPROVEMENTS INCLUDE SITE GRADING AND EXTENSION OF 37TH STREET AND ASSOCIATED PUBLIC UTILITIES. PRIVATE IMPROVEMENTS INCLUDE INSTALLATION OF PRIVATE UTILITIES, ACCESS, PARKING AREAS AND VERTICAL CONSTRUCTION OF THE TOWNHOUSE TRIPLEX AND FOURPLEX UNITS.

WORK TO INSTALL PUBLIC IMPROVEMENTS WILL COMMENCE UPON CITY OF FLORENCE PUBLIC WORKS PLAN APPROVALS AND ISSUANCE OF A DEQ EROSION CONTROL PERMIT. WORK ACTIVITIES WILL BE CONTINUOUS WITH AN EXPECTED SEVEN MONTH DURATION FROM START OF SITE DISTURBANCE.

WORK TO INSTALL PRIVATE IMPROVEMENTS WILL COMMENCE UPON ISSUANCE OF CITY BUILDING PERMITS AND A DEQ EROSION CONTROL PERMIT. BUILDING CONSTRUCTION WILL PROGRESS FROM EAST TO WEST. PRIVATE UTILITIES WILL BE INSTALLED AS BUILDING CONSTRUCTION PROGRESSES. THE DURATION OF BUILDING CONSTRUCTION IS DEPENDENT UPON MARKET DEMAND FOR FINISHED TOWNHOUSE UNITS. THE GENERALIZED CONSTRUCTION SCHEDULE ASSUMES A 12 MONTH DURATION, BUT BUILDING DURATION COULD BE LONGER.

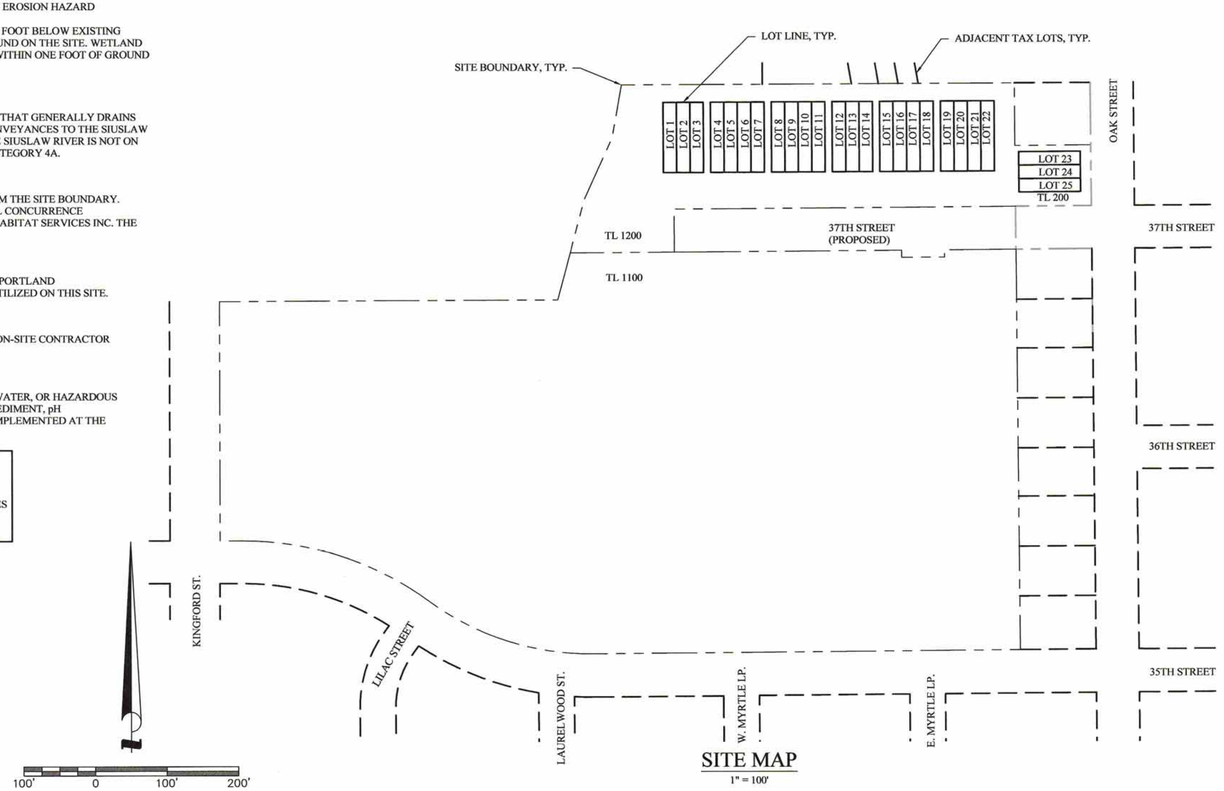
WORK DAYS/HOURS IS TYPICALLY MONDAY THROUGH FRIDAY BETWEEN 7:00 AM AND 5:00 PM.



VICINITY MAP
N.T.S.

GENERALIZED CONSTRUCTION SCHEDULE
DATES ARE ESTIMATES ONLY

TASK	START	END
INSTALL PERIMETER EROSION CONTROL BMP'S	OCT 2023	ONGOING
CLEARING AND SITE GRADING	OCT 2023	DEC 2023
INSTALL UNDERGROUND PUBLIC UTILITIES	DEC 2023	JAN 2024
INSTALL BASE ROCK AND CONCRETE CURBS	JAN 2024	FEB 2004
INSTALL STORMWATER SWALES AND PIPING	FEB 2024	MAR 2024
INSTALL FINAL BASE ROCK AND PAVING	FEB 2024	MAR 2024
INSTALL SIDEWALKS AND RAMPS	MAR 2004	APR 2004
TOWNHOUSE CONSTRUCTION	JAN 2024	DEC 2024
INSTALL PRIVATE UTILITIES/PAVING	JAN 2024	DEC 2024
FINAL SITE STABILIZATION	ONGOING	DEC 2024



SITE MAP
1" = 100'

POLLUTANT-GENERATING ACTIVITIES (4.4.E.XIII)

ID	ACTIVITY	INVENTORY OF POLLUTANTS
A	SITE GRADING (REMOVAL AND FILL OPERATIONS)	SEDIMENT AND DUST
B	SANITARY AND DOMESTIC WASTE STORAGE	SOLID AND SANITARY WASTE
C	EQUIPMENT MAINTENANCE*	OIL AND GREASE
D	PORTLAND CEMENT CONCRETE PLACEMENT	SUSPENDED SOLIDS, HEAVY METALS, PH INCREASES
E	AGGREGATE PLACEMENT	SEDIMENT
F	ASPHALT CONCRETE PLACEMENT	HYDROCARBONS, OILS AND GREASES, HEAVY METALS

NOTE: THE USE OF PESTICIDES, HERBICIDES, INSECTICIDES, AND FERTILIZERS IS NOT ANTICIPATED ON THIS PROJECT.

C* LIQUIDS SUCH AS FUEL WILL NOT BE STORED ON SITE. EQUIPMENT FUELING AND SERVICING ACTIVITIES WILL BE PROVIDED BY MOBILE VEHICLES THAT ARE LOCATED OFF-SITE. THESE ACTIVITIES WILL OCCUR ON HARD SURFACES. DRIP PADS AND SPILL KITS ARE AVAILABLE IN SERVICE VEHICLES.

AUTHORIZED NON-STORMWATER DISCHARGES (4.4.E.XII)

ID	DISCHARGE ACTIVITY
G	WATER USED TO CONTROL DUST
H	FIRE HYDRANT FLUSHING
I	POTABLE WATER INCLUDING UNCONTAMINATED WATER LINE FLUSHINGS
J	CONSTRUCTION DEWATERING ACTIVITIES*

J* CONSTRUCTION DEWATERING IS NOT ANTICIPATED.

WEATHER REPORT NOTE:
NEAREST OFFICIAL RAIN GAUGE THAT WILL BE USED FOR SITE MONITORING IS AT THE FLORENCE MUNICIPAL AIRPORT.
www.weather.gov/wrh/timeseries?site=K6S2

SHEET INDEX
EROSION AND SEDIMENT CONTROL PLAN

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REGISTERED PROFESSIONAL ENGINEER
OREGON
15376 PE
MAY 30, 1980
CLINTON L. BEECROFT
4-25-2023
RENEWS: 01/01/24

MYRTLE GLEN PUD
FINAL PUD IMPROVEMENT DRAWINGS
EROSION AND SEDIMENT CONTROL
COVER SHEET AND SITE MAP
FLORENCE, OREGON

No	Description of Revisions	Date	Name

Date 09-25-2023
Job Number 7091-22-0187
Design by C. BEECROFT
Drawn by C. BEECROFT
Checked by C. BEECROFT

Sheet Number
EC1

DEQ STANDARD EROSION AND SEDIMENT CONTROL PLAN NOTES

1. ONCE KNOWN, INCLUDE A LIST OF ALL CONTRACTORS THAT WILL ENGAGE IN CONSTRUCTION ACTIVITIES ON SITE, AND THE AREAS OF THE SITE WHERE THE CONTRACTOR(S) WILL ENGAGE IN CONSTRUCTION ACTIVITIES. REVISE THE LIST AS APPROPRIATE UNTIL PERMIT COVERAGE IS TERMINATED (SECTION 4.4.C.I). IN ADDITION, INCLUDE A LIST OF ALL PERSONNEL (BY NAME AND POSITION) THAT ARE RESPONSIBLE FOR THE DESIGN, INSTALLATION AND MAINTENANCE OF STORMWATER CONTROL MEASURES (E.G. ESCP DEVELOPER, BMP INSTALLER (SEE SECTION 4.10), AS WELL AS THEIR INDIVIDUAL RESPONSIBILITIES. (SECTION 4.4.C.II)
2. VISUAL MONITORING INSPECTION REPORTS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS. (SECTION6.5)
3. INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200-C PERMIT REQUIREMENTS. (SECTION 6.5.Q)
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. (SECTION 4.7)
5. THE PERMIT REGISTRANT MUST IMPLEMENT THE ESCP. FAILURE TO IMPLEMENT ANY OF THE CONTROL MEASURES OR PRACTICESDESCRIBED IN THE ESCP IS A VIOLATION OF THE PERMIT. (SECTIONS 4 AND 4.11)
6. THE ESCP MUST BE ACCURATE AND REFLECT SITE CONDITIONS. (SECTION 4.8)
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. (SECTION 4.9)
8. SEQUENCE CLEARING AND GRADING TO THE MAXIMUM EXTENT PRACTICAL TO PREVENT EXPOSED INACTIVE AREAS FROM BECOMING A SOURCE OF EROSION. (SECTION 2.2.2)
9. CREATE SMOOTH SURFACES BETWEEN SOIL SURFACE AND EROSION AND SEDIMENT CONTROLS TO PREVENT STORMWATER FROM BYPASSING CONTROLS AND PONDING. (SECTION 2.2.3)
10. 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. (SECTION 2.2.1)
11. 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. (SECTION 2.2.5)
12. MAINTAIN AND DELINEATE ANY EXISTING NATURAL BUFFER WITHIN THE 50-FEET OF WATERS OF THE STATE. (SECTION 2.2.4)
13. INSTALL PERIMETER SEDIMENT CONTROL, INCLUDING STORM DRAIN INLET PROTECTION AS WELL AS ALL SEDIMENT BASINS, TRAPS, AND BARRIERS PRIOR TO LAND DISTURBANCE. (SECTIONS 2.1.3)
14. CONTROL BOTH PEAK FLOW RATES AND TOTAL STORMWATER VOLUME, TO MINIMIZE EROSION AT OUTLETS AND DOWNSTREAM CHANNELS AND STREAMBANKS. (SECTIONS 2.1.1. AND 2.2.16)
15. 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. (SECTIONS 2.2.6 AND 2.2.13)
16. ESTABLISH CONCRETE TRUCK AND OTHER CONCRETE EQUIPMENT WASHOUT AREAS BEFORE BEGINNING CONCRETE WORK. (SECTION 2.2.14)
17. 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. (SECTIONS 2.2.20 AND 2.2.21)
18. ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON-STORMWATER CONTROLS. (SECTION 2.3.7)
19. KEEP WASTE CONTAINER LIDS CLOSED WHEN NOT IN USE AND CLOSE LIDS AT THE END OF THE BUSINESS DAY FOR THOSE CONTAINERS THAT ARE ACTIVELY USED THROUGHOUT THE DAY. FOR WASTE CONTAINERS THAT DO NOT HAVE LIDS, PROVIDE EITHER (1) COVER (E.G., A TARP, PLASTIC SHEETING, TEMPORARY ROOF) TO PREVENT EXPOSURE OF WASTES TO PRECIPITATION, OR (2) A SIMILARLY EFFECTIVE MEANS DESIGNED TO PREVENT THE DISCHARGE OF POLLUTANTS (E.G., SECONDARY CONTAINMENT). (SECTION 2.3.7)
20. 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 LAND- DISTURBING ACTIVITIES. (SECTION 2.2.7)
21. WHEN TRUCKING SATURATED SOILS FROM THE SITE, EITHER USE WATER-TIGHT TRUCKS OR DRAIN LOADS ON SITE. (SECTION 2.2.7.F)
22. CONTROL PROHIBITED DISCHARGES FROM LEAVING THE CONSTRUCTION SITE, I.E., CONCRETE WASH-OUT, WASTEWATER FROM CLEANOUT OF STUCCO, PAINT AND CURING COMPOUNDS. (SECTIONS 1.5 AND 2.3.9)
23. ENSURE THAT STEEP SLOPE AREAS WHERE CONSTRUCTION ACTIVITIES ARE NOT OCCURRING ARE NOT DISTURBED. (SECTION 2.2.10)
24. PREVENT SOIL COMPACTION IN AREAS WHERE POST-CONSTRUCTION INFILTRATION FACILITIES ARE TO BE INSTALLED. (SECTION 2.2.12)
25. 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. (SECTIONS 2.2.15 AND 2.3)
26. PROVIDE PLANS FOR SEDIMENTATION BASINS THAT HAVE BEEN DESIGNED PER SECTION 2.2.17 AND STAMPED BY AN OREGON PROFESSIONAL ENGINEER. (SEE SECTION 2.2.17.A)
27. IF ENGINEERED SOILS ARE USED ON SITE, A SEDIMENTATION BASIN/IMPOUNDMENT MUST BE INSTALLED. (SEE SECTIONS 2.2.17 AND 2.2.18)
28. PROVIDE A DEWATERING PLAN FOR ACCUMULATED WATER FROM PRECIPITATION AND UNCONTAMINATED GROUNDWATER SEEPAGE DUE TO SHALLOW EXCAVATION ACTIVITIES. (SEE SECTION 2.4)
29. 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. (SECTION 2.3)
30. USE WATER, SOIL-BINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO AVOID WIND-BLOWN SOIL. (SECTION 2.2.9)
31. 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. (SECTION 2.3.5)
32. IF AN ACTIVE TREATMENT SYSTEM (FOR EXAMPLE, 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 ENVIRONMENTAL MANAGEMENT PLAN APPROVAL FROM DEQ BEFORE OPERATING THE TREATMENT SYSTEM. OPERATE AND MAINTAIN THE TREATMENT SYSTEM ACCORDING TO MANUFACTURER'S SPECIFICATIONS. (SECTION 1.2.9)
33. 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. (SECTION 2.2)
34. 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. (SECTION 2.2.8)
35. SEDIMENT FENCE: REMOVE TRAPPED SEDIMENT BEFORE IT REACHES ONE THIRD OF THE ABOVE GROUND FENCE HEIGHT AND BEFORE FENCE REMOVAL. (SECTION 2.1.5.B)
36. OTHER SEDIMENT BARRIERS (SUCH AS BIOBAGS): REMOVE SEDIMENT BEFORE IT REACHES TWO INCHES DEPTH ABOVE GROUND HEIGHT AND BEFORE BMP REMOVAL. (SECTION 2.1.5.C)
37. 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. (SECTION 2.1.5.D)
38. 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 DEPARTMENT OF STATE LANDS REQUIRED TIMEFRAME. (SECTION 2.2.19.A)
39. 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. (SECTION 2.2.19)
40. DOCUMENT ANY PORTION(S) OF THE SITE WHERE LAND DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED OR WILL BE TEMPORARILY INACTIVE FOR 14 OR MORE CALENDAR DAYS. (SECTION 6.5.F.)
41. 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. (SECTION 2.2.20)
42. 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 NEEDED FOR LONG TERM USE FOLLOWING TERMINATION OF PERMIT COVERAGE. (SECTION 2.2.21)

SAND WIND EROSION CONTROL

1. TO THE EXTENT PRACTICABLE CONDUCT MASS GRADING OPERATIONS DURING WETTER MONTHS TO MINIMIZE WINDBLOWN SAND.
2. CONTROL BLOWING SAND DURING DRIER MONTHS BY COVERING EXPOSED SAND AS QUICKLY AS PRUDENT USING TEMPORARY COVER METHODS, SUCH AS GRINDER MULCH OR ROOT-MAT OVER LOT AREAS, AND PERMANENT COVER MATERIAL, SUCH AS LONG-TERM STABILIZATION METHODS ON FINISHED SLOPES AND CRUSHED AGGREGATE WITH FABRIC PLACED OVER FINISHED ROAD SUBGRADE AREAS.
3. PROTECT SENSITIVE AREAS FROM BLOWING SAND AS NEEDED USING APPROPRIATE METHODS DEPENDING ON WIND DIRECTION, SUCH AS INSTALLING STAGGERED SILT FENCING UPWIND FROM AREAS TO BE PROTECTED.
4. STAGE THE CONSTRUCTION OF PROPOSED IMPROVEMENTS SUCH THAT LONG-TERM SAND PROTECTION IS INSTALLED EARLY IN THE CONSTRUCTION SCHEDULE TO THE EXTENT PRACTICABLE.

POLLUTION PREVENTION CONTROLS (NPDES 1200-C SECTION 2.3)

THE REGISTRANT MUST IMPLEMENT POLLUTION PREVENTION CONTROLS IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS TO PREVENT THE DISCHARGE OF POLLUTANTS TO STORMWATER AND TO PREVENT THE DISCHARGE OF POLLUTANTS FROM SPILLED OR LEAKED MATERIALS FROM CONSTRUCTION ACTIVITIES, SUCH AS BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE, FUELS, LUBRICANTS, AND OTHER MATERIALS PRESENT.
THE REGISTRANT MUST PROVIDE WRITTEN SPILL PREVENTION AND RESPONSE PROCEDURES, EMPLOYEE TRAINING ON SPILL PREVENTION AND PROPER DISPOSAL PROCEDURES, SPILL KITS AVAILABLE ON SITE, REGULARLY MAINTAINED VEHICLES AND MACHINERY, MATERIAL DELIVERY AND STORAGE CONTROLS, SIGNAGE, AND COVERED STORAGE AREAS FOR WASTE AND SUPPLIES.

2.3.1 GENERAL CONDITIONS

PROVIDE AN EFFECTIVE MEANS OF ELIMINATING THE DISCHARGE OF ANY WASTE FROM ANY ACTIVITIES PERFORMED ON SITE BY IMPLEMENTING THE FOLLOWING:

A. LOCATE ACTIVITIES AWAY FROM WATERS OF THE STATE AND STORMWATER INLETS OR CONVEYANCES SO THAT STORMWATER COMING INTO CONTACT WITH THESE ACTIVITIES CANNOT REACH WATERS OF THE STATE;
B. ENSURE ADEQUATE SUPPLIES ARE AVAILABLE AT ALL TIMES TO HANDLE SPILLS, LEAKS, AND DISPOSAL OF LIQUIDS, AND PROVIDE SECONDARY CONTAINMENT (E.G. SPILL BERMS, DECKS, SPILL CONTAINMENT PALLETS);
C. HAVE A SPILL KIT AVAILABLE ON SITE AND ENSURE PERSONNEL ARE AVAILABLE TO RESPOND EXPEDITIOUSLY IN THE EVENT OF A LEAK OR SPILL;
D. CLEAN UP SPILLS OR CONTAMINATED SURFACES IMMEDIATELY USING DRY CLEAN UP MEASURES (DO NOT CLEAN CONTAMINATED SURFACES BY HOSING THE AREA DOWN), AND ELIMINATE THE SOURCE OF THE SPILL TO PREVENT A DISCHARGE OR A CONTINUATION OF AN ONGOING DISCHARGE; AND
E. STORE MATERIALS IN A COVERED AREA (E.G., PLASTIC SHEETING, TEMPORARY ROOFS), OR IN SECONDARY CONTAINMENT TO PREVENT THE EXPOSURE OF THESE CONTAINERS TO PRECIPITATION OR STORMWATER RUNOFF, OR A SIMILARLY EFFECTIVE MEANS DESIGNED TO PREVENT THE DISCHARGE OF POLLUTANTS FROM THESE AREAS.

2.3.2 EQUIPMENT AND VEHICLE FUELING AND MAINTENANCE

A. USE DRIP PANS AND ABSORBENTS UNDER OR AROUND VEHICLES; AND
B. DISPOSE OF OR RECYCLE OIL AND OILY WASTES IN ACCORDANCE WITH OTHER FEDERAL, STATE, TRIBAL, OR LOCAL REQUIREMENTS.

2.3.3 EQUIPMENT AND VEHICLE WASHING:

A. ENSURE THERE IS NO DISCHARGE OF SOAPS, SOLVENTS, OR DETERGENTS IN EQUIPMENT AND VEHICLE WASH WATER.
B. PREVENT THE DISCHARGE OF TURBID VEHICLE WASH WATER TO WATERS OF THE STATE OR CONVEYANCES THAT LEAD TO WATERS OF THE STATE.

2.3.4 BUILDING MATERIALS AND BUILDING PRODUCTS:

MINIMIZE MATERIAL EXPOSURE IN CASES WHERE THE EXPOSURE TO PRECIPITATION OR TO STORMWATER WILL RESULT IN A DISCHARGE OF POLLUTANTS (E.G. ELEVATE MATERIALS FROM SOIL TO PREVENT LEACHING OF POLLUTANTS).

2.3.5 PESTICIDES, HERBICIDES, INSECTICIDES, AND FERTILIZERS:

COMPLY WITH ALL APPLICATION AND DISPOSAL REQUIREMENTS INCLUDED ON THE REGISTERED PESTICIDE, HERBICIDE, INSECTICIDE, AND FERTILIZER LABEL (SEE ALSO SECTION 2.3.6). WHEN APPLYING FERTILIZERS, REGISTRANTS MUST:

A. APPLY AT A RATE AND IN AMOUNTS CONSISTENT WITH MANUFACTURER'S SPECIFICATIONS;
B. APPLY AT THE APPROPRIATE TIME OF YEAR FOR THE LOCATION, AND PREFERABLY TIMED TO COINCIDE AS CLOSELY AS POSSIBLE TO THE PERIOD OF MAXIMUM VEGETATION UPTAKE AND GROWTH;
C. AVOID APPLYING BEFORE HEAVY RAINS THAT COULD CAUSE EXCESS NUTRIENTS TO BE DISCHARGED;
D. NEVER APPLY TO FROZEN GROUND;
E. NEVER APPLY TO STORMWATER CONVEYANCE CHANNELS; AND
F. FOLLOW ALL OTHER FEDERAL, STATE, AND LOCAL REQUIREMENTS REGARDING FERTILIZER APPLICATION.

2.3.6 HAZARDOUS OR TOXIC WASTES

A. SEPARATE HAZARDOUS OR TOXIC WASTE FROM CONSTRUCTION AND DOMESTIC WASTE;
B. STORE WASTE IN SEALED CONTAINERS, WHICH ARE CONSTRUCTED OF SUITABLE MATERIALS TO PREVENT LEAKAGE AND CORROSION, AND WHICH ARE CLEARLY LABELED WITH THEIR CONTENTS IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, TRIBAL, OR LOCAL REQUIREMENTS;
C. STORE ALL OUTSIDE CONTAINERS WITHIN APPROPRIATELY-SIZED SECONDARY CONTAINMENT (E.G., SPILL BERMS, DECKS, SPILL CONTAINMENT PALLETS) TO PREVENT SPILLS FROM BEING DISCHARGED, OR PROVIDE A SIMILARLY EFFECTIVE MEANS DESIGNED TO PREVENT THE DISCHARGE OF POLLUTANTS FROM THESE AREAS (E.G., STORING CHEMICALS IN A COVERED AREA, HAVING A SPILL KIT AVAILABLE ON SITE); AND
D. DISPOSE OF HAZARDOUS OR TOXIC WASTE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED METHOD OF DISPOSAL AND IN COMPLIANCE WITH FEDERAL, STATE, TRIBAL, AND LOCAL REQUIREMENTS.

2.3.7 CONSTRUCTION AND DOMESTIC WASTES

A. PROVIDE WASTE CONTAINERS (E.G., DUMPSTER, TRASH RECEPTACLE) THAT PROVIDE GROUND SEPARATION AND ARE OF SUFFICIENT SIZE AND NUMBER TO CONTAIN CONSTRUCTION AND DOMESTIC WASTES;
B. KEEP WASTE CONTAINER LIDS CLOSED WHEN NOT IN USE AND CLOSE LIDS AT THE END OF THE BUSINESS DAY FOR THOSE CONTAINERS THAT ARE ACTIVELY USED THROUGHOUT THE DAY. FOR WASTE CONTAINERS THAT DO NOT HAVE LIDS, PROVIDE EITHER (1) COVER (E.G., A TARP, PLASTIC SHEETING, TEMPORARY ROOF) TO PREVENT EXPOSURE OF WASTES TO PRECIPITATION, OR (2) A SIMILARLY EFFECTIVE MEANS DESIGNED TO PREVENT THE DISCHARGE OF POLLUTANTS (E.G., SECONDARY CONTAINMENT);
C. CLEAN UP AND DISPOSE OF WASTE IN DESIGNATED WASTE CONTAINERS; AND
D. CLEAN UP IMMEDIATELY IF CONTAINERS OVERFLOW.

2.3.8 SANITARY WASTES

POSITION PORTABLE TOILETS SO THAT THEY ARE SECURE AND WILL NOT BE TIPPED OR KNOCKED OVER, AND LOCATED AWAY FROM WATERS OF THE STATE AND STORMWATER INLETS OR CONVEYANCES.

2.3.9 WASHING APPLICATORS AND CONTAINERS

WASHING APPLICATORS AND CONTAINERS USED FOR STUCCO, PAINT, CONCRETE, FORM RELEASE OILS, CURING COMPOUNDS, OR OTHER MATERIALS:

A. NO DISCHARGE OF THESE LIQUID WASTES IS ALLOWED IN STORM SEWERS OR WATERS OF THE STATE;
B. DISPOSE OF LIQUID WASTES IN ACCORDANCE WITH APPLICABLE REQUIREMENTS;
C. REMOVE AND DISPOSE OF HARDENED CONCRETE WASTE CONSISTENT WITH THE HANDLING OF OTHER CONSTRUCTION WASTES IN SECTION 2.3.7; AND
D. LOCATE ANY WASHOUT OR CLEANOUT ACTIVITIES AS FAR AWAY AS POSSIBLE FROM WATERS OF THE STATE AND STORMWATER INLETS OR CONVEYANCES, AND, TO THE EXTENT FEASIBLE, DESIGNATE AREAS TO BE USED FOR THESE ACTIVITIES WITH SIGNS AND IN THE ESCP AND CONDUCT SUCH ACTIVITIES ONLY IN THESE AREAS.

2.3.10 EMERGENCY SPILL NOTIFICATION REQUIREMENTS

DISCHARGES OF TOXIC OR HAZARDOUS SUBSTANCES FROM A SPILL OR OTHER RELEASE ARE PROHIBITED, CONSISTENT WITH SECTION 1.5. WHERE A LEAK, SPILL, OR OTHER RELEASE CONTAINING A HAZARDOUS SUBSTANCE OR OIL OCCURS DURING A 24-HOUR PERIOD, THE REGISTRANT MUST NOTIFY THE OREGON EMERGENCY RESPONSE SYSTEM AT (800) 452-0311 AS SOON AS THE REGISTRANT HAS KNOWLEDGE OF THE RELEASE. CONTACT INFORMATION MUST BE IN LOCATIONS THAT ARE READILY ACCESSIBLE AND AVAILABLE TO ALL EMPLOYEES.

SPILL PREVENTION PROCEDURES OF PROHIBITED DISCHARGES

1. WARN PERSONS IN THE IMMEDIATE AREA.
2. IF POSSIBLE, SAFE, AND TRAINED TO DO SO, IDENTIFY AND SECURE SOURCE OF THE DISCHARGE.
3. UNDERTAKE EVERY REASONABLE METHOD TO CONTAIN THE DISCHARGE WITH SORBENTS, SANDBAGS, OR OTHER MATERIAL OR OTHERWISE MINIMIZE THE MIGRATION OF RELEASED MATERIAL.
4. AS SOON AS POSSIBLE, ANY PERSON DISCOVERING A SPILL OR LEAK OF PROHIBITED DISCHARGES (PERMIT SECTION 1.5) WILL NOTIFY THEIR SUPERVISOR OR ANOTHER APPROPRIATE COMPANY OFFICIAL OF THE SITUATION.
5. DESIGNATED COMPANY OFFICIALS WILL, AS SOON AS POSSIBLE AFTER DISCOVERY, REPORT THE RELEASE TO APPROPRIATE LOCAL, STATE AND FEDERAL AUTHORITIES IF THE RELEASE IS A STATUTORY "REPORTABLE RELEASE".

INSPECTION FREQUENCY (VISUAL MONITORING MUST BE CONDUCTED BY A CERTIFIED ESC INSPECTOR)

	SITE CONDITIONS	MINIMUM FREQUENCY
1.	ACTIVE PERIOD	ON INITIAL DATE THAT LAND DISTURBANCE ACTIVITIES COMMENCE. WITHIN 24 HOURS OF ANY STORM EVENT, INCLUDING RUNOFF FROM SNOW MELT, THAT RESULTS IN DISCHARGE FROM THE SITE. AT LEAST ONCE EVERY 14 CALENDAR DAYS, REGARDLESS OF WHETHER STORMWATER RUNOFF IS OCCURRING.
2.	PRIOR TO THE SITE BECOMING INACTIVE OR IN ANTICIPATION OF SITE INACCESSIBILITY	NO MORE THAN 14 CALENDAR DAYS PRIOR TO A SITE BECOMING INACTIVE 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 (14) CONSECUTIVE CALENDAR DAYS	TWICE PER MONTH FOR THE FIRST MONTH, NO LESS THAN 14 CALENDAR DAYS APART, AFTER BECOMING INACTIVE, AND ONCE PER MONTH.
4.	PERIODS DURING WHICH THE SITE IS INACCESSIBLE DUE TO INCLEMENT WEATHER	IF SAFE, ACCESSIBLE AND PRACTICABLE, INSPECTIONS MUST OCCUR DAILY AT A RELEVANT DISCHARGE POINT OR DOWNSTREAM LOCATION OF THE RECEIVING WATER BODY.
5.	PERIODS DURING WHICH CONSTRUCTION ACTIVITIES ARE SUSPENDED AND RUNOFF IS UNLIKELY DUE TO FROZEN CONDITIONS	VISUAL MONITORING INSPECTIONS MAY BE TEMPORARILY SUSPENDED. IMMEDIATELY RESUME MONITORING UPON THAWING, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY.
6.	PERIODS DURING WHICH CONSTRUCTION ACTIVITIES ARE CONDUCTED AND RUNOFF IS UNLIKELY DURING FROZEN CONDITIONS	VISUAL MONITORING INSPECTIONS MAY BE REDUCED TO ONCE A MONTH. IMMEDIATELY RESUME MONITORING UPON THAWING, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY.

BEST MANAGEMENT PRACTICES TABLE AND ESCP IMPLEMENTATION SCHEDULE

NOTE: CONTRACTOR TO UPDATE THIS SCHEDULE PRIOR TO START OF WORK

BMP MATRIX FOR CONSTRUCTION

BMP	CLEARING	SITE GRADING	PUBLIC STREET AND UTILITIES	PRIVATE ACCESS AND UTILITIES	VERTICAL CONSTRUCTION	FINAL STABILIZATION
EROSION PREVENTION						
PRESERVE VEGETATION/PROTECTIVE FENCING	X	X	X	X	X	X
PLASTIC SHEETING		X	X	X	X	
MULCH COVER		X	X	X	X	X
ROCK COVER		X	X	X	X	
DUST CONTROL	X	X	X	X		
PERMANENT SEEDING						X
SEDIMENT CONTROL						
SEDIMENT FENCE	*X	X	X	X	X	X
INLET PROTECTION	*X	X	X	X	X	X
RUN OFF CONTROL						
CONSTRUCTION ENTRANCE	*X	X	X	X	X	
OUTLET PROTECTION (RAIN GARDENS)			X	X		X
POLLUTION PREVENTION						
CONCRETE WASHOUT AREA			X	X	X	
PAVING OPERATIONS CONTROLS			X	X	X	
BMP'S TO PREVENT ILLICIT CONNECTION	X	X	X	X	X	X
BMP'S TO PREVENT ILLEGAL DISCHARGE	X	X	X	X	X	X
REUSE/RECYCLE CONSTRUCTION WASTES	X	X	X	X	X	X

* SIGNIFIES BMP THAT WILL BE INSTALLED PRIOR TO ANY GROUND DISTURBING ACTIVITY.

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 LISTED BMP's 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 ESC PLAN, AN ACTION PLAN WILL BE PREPARED.

PAVING AND GRINDING OPERATIONS

1. IMPLEMENTATION - AVOID PAVING DURING THE WET SEASON WHEN FEASIBLE, RESCHEDULE PAVING AND GRINDING ACTIVITIES IF RAIN IS IN THE FORECAST, AND TRAIN EMPLOYEES AND SUBCONTRACTORS IN POLLUTION PREVENTION AND REDUCTION.
2. PAVEMENT GRINDING AND REMOVAL - COLLECT AND REMOVE ALL BROKEN ASPHALT AND RECYCLE WHEN PRACTICAL. OLD OR SPILLED ASPHALT MUST BE RECYCLED OR DISPOSED. RESIDUE FROM GRINDING OPERATIONS SHOULD BE PICKED UP BY MEANS OF A VACUUM ATTACHMENT TO THE GRINDING MACHINE, SHOULD NOT BE ALLOWED TO FLOW ACROSS THE PAVEMENT, AND SHOULD NOT BE LEFT ON THE SURFACE OF THE PAVEMENT. DIG OUT ACTIVITIES SHOULD NOT BE CONDUCTED IN THE RAIN. COLLECT DIG OUT MATERIAL BY MECHANICAL OR MANUAL METHODS. THIS MATERIAL MAY BE RECYCLED FOR USE AS SHOULDER BACKING OR BASE MATERIAL. IF DIG OUT MATERIAL CANNOT BE RECYCLED, TRANSPORT THE MATERIAL BACK TO AN APPROVED STORAGE SITE.
3. ASPHALTIC CONCRETE PAVING - DO NOT ALLOW SAND OR GRAVEL PLACED OVER NEW ASPHALT TO WASH INTO STORM DRAINS, STREETS, OR CREEKS. VACUUM OR SWEEP LOOSE SAND AND GRAVEL AND PROPERLY DISPOSE OF THIS WASTE.
4. SAW CUTTING, CONCRETE WASHOUT/SLURRY, SWEEPINGS FROM EXPOSED AGGREGATE - ALL SAW CUTTING SLURRY MUST BE VACUUMED IMMEDIATELY BEHIND THE SAW CUTTING OPERATION. SLURRY SHOULD NOT BE ALLOWED TO RUN AWAY FROM THE IMMEDIATE VICINITY OF THE SAW. ALL CONCRETE POURING SHALL HAVE A WATERTIGHT WASHOUT CONTAINER AVAILABLE AND MUST BE USED BY THE CONCRETE TRUCKS, PUMPERS, AND TO CLEAN FINISHING TOOLS. AT NO TIME SHALL THESE WASTES BE ALLOWED TO ENTER THE CITY STORMWATER SYSTEM OR RIGHT-OF-WAY PLANTING STRIPS. DISPOSE OF CONCRETE WASHOUT AND SAW SLURRY AT AN APPROVED OFF-SITE FACILITY.

ILLICIT CONNECTION / DISCHARGE

1. IMPLEMENTATION - INSPECT SITE BEFORE BEGINNING THE JOB FOR EVIDENCE OF ILLICIT CONNECTIONS, ILLEGAL DUMPING OR DISCHARGES. DOCUMENT ANY PRE-EXISTING CONDITIONS AND NOTIFY THE OWNER. INSPECT SITE REGULARLY DURING PROJECT EXECUTION FOR EVIDENCE OF ILLICIT CONNECTIONS, ILLEGAL DUMPING OR DISCHARGES. OBSERVE SITE PERIMETER FOR EVIDENCE FOR POTENTIAL OF ILLICITLY DISCHARGED OR ILLEGALLY DUMPED MATERIAL, WHICH MAY ENTER THE JOB SITE.
2. IDENTIFICATION OF ILLICIT CONNECTIONS AND ILLEGAL DUMPING OR DISCHARGES:
   GENERAL - UNLABELED AND UNIDENTIFIABLE MATERIAL SHOULD BE TREATED AS HAZARDOUS.
   SOLIDS - LOOK FOR DEBRIS, OR RUBBISH PILES. SOLID WASTE DUMPING OFTEN OCCURS ON ROADWAYS WITH LIGHT TRAFFIC LOADS OR IN AREAS NOT EASILY VISIBLE FROM THE TRAVELED WAY.
   LIQUIDS - SIGNS OF ILLEGAL LIQUID DUMPING OR DISCHARGE CAN INCLUDE: VISIBLE SIGNS OF STAINING OR UNUSUAL COLORS TO THE PAVEMENT OR SURROUNDING ADJACENT SOILS, PUNGENT ODORS COMING FROM THE DRAINAGE SYSTEMS, DISCOLORATION OR OILY SUBSTANCES IN THE WATER OR STAINS AND RESIDUES DETAINED WITHIN DITCHES, CHANNELS OR DRAIN BOXES AND ABNORMAL WATER FLOW DURING THE DRY WEATHER SEASON.
   URBAN AREAS - EVIDENCE OF ILLICIT CONNECTIONS OR ILLEGAL DISCHARGES IS TYPICALLY DETECTED AT STORM DRAIN OUTFALL LOCATIONS OR AT MANHOLES. SIGNS OF AN ILLICIT CONNECTION OR ILLEGAL DISCHARGE CAN INCLUDE: ABNORMAL WATER FLOW DURING THE DRY WEATHER SEASON, UNUSUAL FLOWS IN SUB DRAIN SYSTEMS USED FOR DEWATERING, PUNGENT ODORS COMING FROM THE DRAINAGE SYSTEMS, DISCOLORATION OR OILY SUBSTANCES IN THE WATER OR STAINS AND RESIDUES DETAINED WITHIN DITCHES, CHANNELS, OR DRAIN BOXES, AND EXCESSIVE SEDIMENT DEPOSITS, PARTICULARLY ADJACENT TO OR NEAR ACTIVE OFFSITE CONSTRUCTION PROJECTS.
3. REPORTING - NOTIFY THE OWNER OF ANY ILLICIT CONNECTIONS OR ILLEGAL DUMPING OR DISCHARGE INCIDENTS AT THE TIME OF DISCOVERY. FOR ILLICIT CONNECTIONS OR DISCHARGES TO THE STORM DRAIN SYSTEM, NOTIFY THE LOCAL STORMWATER MANAGEMENT AGENCY. FOR ILLEGAL DUMPING, NOTIFY THE LOCAL LAW ENFORCEMENT AGENCY.
4. CLEANUP AND REMOVAL - CONTACT THE LOCAL STORMWATER MANAGEMENT AGENCY FOR FURTHER INFORMATION.
5. INSPECTION AND MAINTENANCE - INSPECT AND VERIFY THAT ACTIVITY BASED BMP'S ARE IN PLACE PRIOR TO THE COMMENCEMENT OF ASSOCIATED ACTIVITIES. WHILE ACTIVITIES ASSOCIATED WITH THE BMP ARE UNDER WAY, INSPECT WEEKLY DURING THE RAINY SEASON AND AT TWO-WEEK INTERVALS IN THE NON-RAINY SEASON TO VERIFY CONTINUED BMP IMPLEMENTATION. INSPECT THE SITE REGULARLY TO CHECK FOR ANY ILLEGAL DUMPING OR DISCHARGE. PROHIBIT EMPLOYEES AND SUBCONTRACTORS FROM DISPOSING NON-JOB RELATED DEBRIS OR MATERIALS AT THE CONSTRUCTION SITE. NOTIFY THE OWNER OF ANY ILLICIT CONNECTIONS AND ILLEGAL DUMPING OR DISCHARGE INCIDENTS AT THE TIME OF DISCOVERY.

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MAY 30, 1991
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9-25-2023
RENEWS: 01/01/24

MYRTLE GLEN PUD
FINAL PUD IMPROVEMENT DRAWINGS
EROSION AND SEDIMENT CONTROL
STANDARD NOTES AND BMP'S
FLORENCE, OREGON

No	Description of Revisions	Date	Name

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Checked by	C. BEECROFT

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CONSTRUCTION NOTES

1. EXISTING STORMWATER MANHOLE. THE ON-SITE STORMWATER INFILTRATION FACILITIES WILL HAVE INTERCONNECTED OVERFLOW STANDPIPES THAT WILL DISCHARGE TO THE EXISTING STORMWATER MANHOLE.
2. EXISTING WASTEWATER MANHOLE CONNECTION POINT.
3. EXISTING STORMWATER INLET AND CURB WILL BE REMOVED WHEN NEW STORMWATER INLET AND CURB ARE INSTALLED.

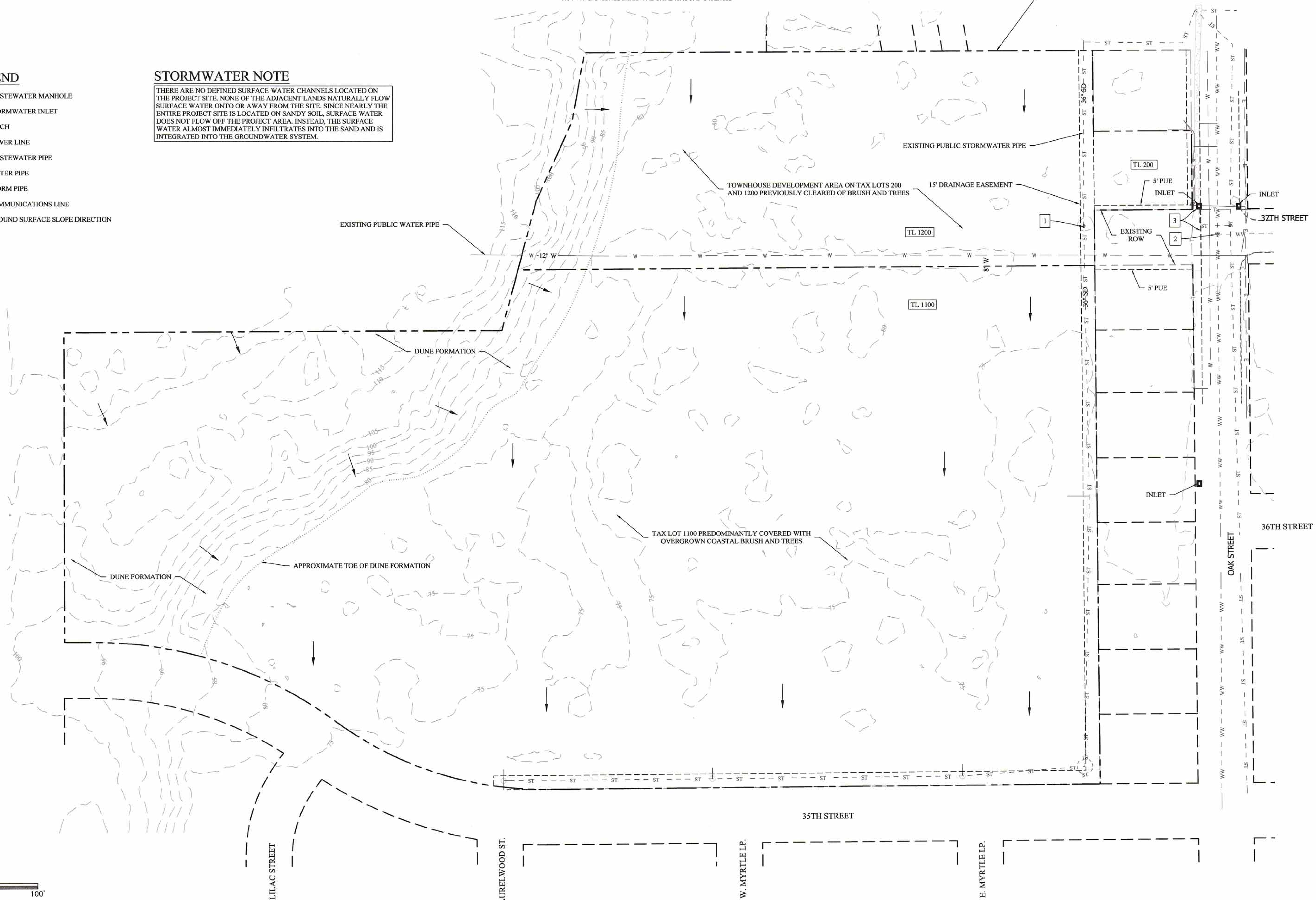
UTILITY STATEMENT:
THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES

LEGEND

WW	WASTEWATER MANHOLE
▣	STORMWATER INLET
	DITCH
— E —	POWER LINE
— WW —	WASTEWATER PIPE
— W —	WATER PIPE
— ST —	STORM PIPE
— T —	COMMUNICATIONS LINE
←	GROUND SURFACE SLOPE DIRECTION

STORMWATER NOTE

THERE ARE NO DEFINED SURFACE WATER CHANNELS LOCATED ON THE PROJECT SITE. NONE OF THE ADJACENT LANDS NATURALLY FLOW SURFACE WATER ONTO OR AWAY FROM THE SITE. SINCE NEARLY THE ENTIRE PROJECT SITE IS LOCATED ON SANDY SOIL, SURFACE WATER DOES NOT FLOW OFF THE PROJECT AREA. INSTEAD, THE SURFACE WATER ALMOST IMMEDIATELY INFILTRATES INTO THE SAND AND IS INTEGRATED INTO THE GROUNDWATER SYSTEM.



CONTOUR INTERVAL IS 5-FEET
CONTOUR LINES DERIVED FROM LIDAR
ELEVATION DATUM NAVD88

EXISTING SITE CONDITIONS MAP

1" = 50'

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CONSTRUCTION NOTES

1. CONSTRUCT INLET PROTECTION PER FLORENCE DETAIL F-105
2. CONSTRUCT CONSTRUCTION ENTRANCE - TYPE 1 PER OREGON STD DWG RD1000
3. CONSTRUCT SILT FENCE SEDIMENT BARRIER PER FLORENCE DETAIL F-101
4. PORTABLE SANITARY FACILITY AND TRASH BIN WITH LID
5. INSTALL ORANGE CONSTRUCTION FENCE TO PROTECT EXISTING VEGETATION
6. PRESERVE EXISTING VEGETATION OUTSIDE WORK ZONES

CLEARING AND GRADING PHASE INFORMATION

1. SOIL FILL MATERIAL WILL CONSIST OF ON-SITE SAND EXCAVATED FROM THE DUNE FORMATION. APPROXIMATELY 10,000 CUBIC YARDS OF IN-PLACE FILL IS NEEDED.
2. DEVELOP THE SAND BORROW AREA BY CLEARING VEGETATION FROM THE BORROW SITE AND A 30-FOOT WIDE HAUL ROUTE FROM THE BORROW SITE TO THE DEVELOPMENT AREA.
3. TEMPORARILY STABILIZE EXPOSED SOILS IN THE BORROW AREA WHEN INACTIVE FOR 14 OR MORE CALENDAR DAYS WITH SEEDING, MULCH, MATS, PLASTIC SHEETING, OR ROCK AS NEEDED. PERMANENT SLOPES IN THE BORROW AREA SHALL BE NO STEEPER THAN 2:1 AND SHALL BE PROTECTED WITH EROSION CONTROL MEASURES.
4. CLEAR THE DEVELOPMENT AREA OF VEGETATION AND ORGANIC MATERIAL PRIOR TO FILL PLACEMENT. FILL MATERIAL SHALL BE FREE OF ORGANICS OR OTHER DELETERIOUS MATERIALS. THE FILL SHALL BE MOISTURE CONDITIONED WITHIN ±2-PERCENT OF OPTIMUM MOISTURE CONTENT AND COMPACTED IN LIFTS USING APPROPRIATE EQUIPMENT WITH LOOSE LIFT THICKNESS NOT EXCEEDING 8-INCHES. COMPACT FILL MATERIAL TO MINIMUM 90% OF ASHTO T-180/ASTM 1557-D.

NON-STORMWATER CONTROLS

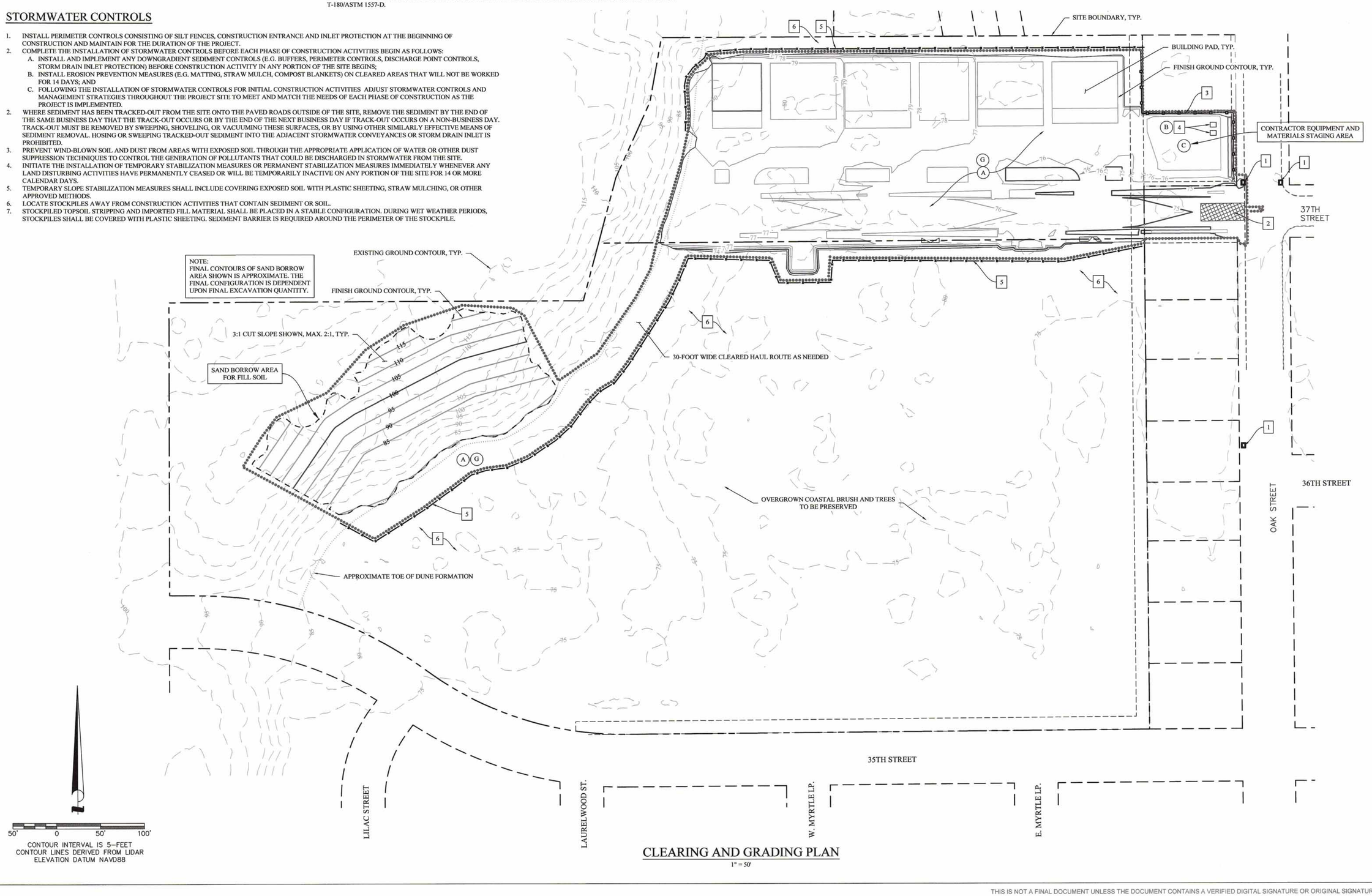
1. ESTABLISH MATERIAL AND WASTE STORAGE AREA, AND OTHER NON-STORMWATER CONTROLS BEFORE CONSTRUCTION ACTIVITIES COMMENCE.
2. PROVIDE WASTE CONTAINERS (E.G., DUMPSTER, TRASH RECEPTACLE) THAT PROVIDE GROUND SEPARATION AND ARE SUFFICIENT SIZE AND NUMBER TO CONTAIN CONSTRUCTION AND DOMESTIC WASTES.
3. POSITION PORTABLE TOILETS SO THAT THEY ARE SECURE AND WILL NOT BE TIPPED OR KNOCKED OVER, AND LOCATED AWAY FROM WATERS OF THE STATE AND STORMWATER INLETS OR CONVEYANCES.

EROSION CONTROL LEGEND

- APPROXIMATE LIMITS OF DISTURBANCE
- SILT FENCE SEDIMENT BARRIER
- ORANGE CONSTRUCTION FENCE
- CONSTRUCTION ENTRANCE
- (A) LOCATION OF POLLUTANT-GENERATING ACTIVITIES AND AUTHORIZED NON-STORMWATER DISCHARGES (SEE TABLES ON SHEET EC1 FOR DESCRIPTIONS)

STORMWATER CONTROLS

1. INSTALL PERIMETER CONTROLS CONSISTING OF SILT FENCES, CONSTRUCTION ENTRANCE AND INLET PROTECTION AT THE BEGINNING OF CONSTRUCTION AND MAINTAIN FOR THE DURATION OF THE PROJECT.
2. COMPLETE THE INSTALLATION OF STORMWATER CONTROLS BEFORE EACH PHASE OF CONSTRUCTION ACTIVITIES BEGIN AS FOLLOWS:
   A. INSTALL AND IMPLEMENT ANY DOWNGRADIENT SEDIMENT CONTROLS (E.G. BUFFERS, PERIMETER CONTROLS, DISCHARGE POINT CONTROLS, STORM DRAIN INLET PROTECTION) BEFORE CONSTRUCTION ACTIVITY IN ANY PORTION OF THE SITE BEGINS;
   B. INSTALL EROSION PREVENTION MEASURES (E.G. MATTING, STRAW MULCH, COMPOST BLANKETS) ON CLEARED AREAS THAT WILL NOT BE WORKED FOR 14 DAYS; AND
   C. FOLLOWING THE INSTALLATION OF STORMWATER CONTROLS FOR INITIAL CONSTRUCTION ACTIVITIES ADJUST STORMWATER CONTROLS AND MANAGEMENT STRATEGIES THROUGHOUT THE PROJECT SITE TO MEET AND MATCH THE NEEDS OF EACH PHASE OF CONSTRUCTION AS THE PROJECT IS IMPLEMENTED.
2. WHERE SEDIMENT HAS BEEN TRACKED-OUT FROM THE SITE ONTO THE PAVED ROADS OUTSIDE OF THE SITE, REMOVE THE SEDIMENT BY THE END OF THE SAME BUSINESS DAY THAT THE TRACK-OUT OCCURS OR BY THE END OF THE NEXT BUSINESS DAY IF TRACK-OUT OCCURS ON A NON-BUSINESS DAY. TRACK-OUT MUST BE REMOVED BY SWEEPING, SHOVELING, OR VACUUMING THESE SURFACES, OR BY USING OTHER SIMILARLY EFFECTIVE MEANS OF SEDIMENT REMOVAL. HOSING OR SWEEPING TRACKED-OUT SEDIMENT INTO THE ADJACENT STORMWATER CONVEYANCES OR STORM DRAIN INLET IS PROHIBITED.
3. PREVENT WIND-BLOWN SOIL AND DUST FROM AREAS WITH EXPOSED SOIL THROUGH THE APPROPRIATE APPLICATION OF WATER OR OTHER DUST SUPPRESSION TECHNIQUES TO CONTROL THE GENERATION OF POLLUTANTS THAT COULD BE DISCHARGED IN STORMWATER FROM THE SITE.
4. INITIATE THE INSTALLATION OF TEMPORARY STABILIZATION MEASURES OR PERMANENT STABILIZATION MEASURES IMMEDIATELY WHENEVER ANY LAND DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED OR WILL BE TEMPORARILY INACTIVE ON ANY PORTION OF THE SITE FOR 14 OR MORE CALENDAR DAYS.
5. TEMPORARY SLOPE STABILIZATION MEASURES SHALL INCLUDE COVERING EXPOSED SOIL WITH PLASTIC SHEETING, STRAW MULCHING, OR OTHER APPROVED METHODS.
6. LOCATE STOCKPILES AWAY FROM CONSTRUCTION ACTIVITIES THAT CONTAIN SEDIMENT OR SOIL.
7. STOCKPILED TOPSOIL STRIPPING AND IMPORTED FILL MATERIAL SHALL BE PLACED IN A STABLE CONFIGURATION. DURING WET WEATHER PERIODS, STOCKPILES SHALL BE COVERED WITH PLASTIC SHEETING. SEDIMENT BARRIER IS REQUIRED AROUND THE PERIMETER OF THE STOCKPILE.



50' 0 50' 100'

CONTOUR INTERVAL IS 5-FEET
CONTOUR LINES DERIVED FROM LIDAR
ELEVATION DATUM NAVD88

CLEARING AND GRADING PLAN

1" = 50'

EGR & Associates, Inc.
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REGISTERED PROFESSIONAL ENGINEER — OREGON — MAY 30, 1980 — CLINTON L. BEECROFT — 15376 PE
RENEWS: 07/01/24

MYRTLE GLEN PUD
FINAL PUD IMPROVEMENT DRAWINGS
EROSION AND SEDIMENT CONTROL
CLEARING AND SITE GRADING
FLORENCE, OREGON

No	Description of Revisions	Date	Name

Date	09-25-2023
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Design by	C. BEECROFT
Drawn by	C. BEECROFT
Checked by	C. BEECROFT

Sheet Number

EC4

CONSTRUCTION NOTES

1. MAINTAIN INLET PROTECTION THROUGHOUT CONSTRUCTION DURATION, UNLESS INLET IS REMOVED
2. MAINTAIN CONSTRUCTION ENTRANCE UNTIL BASE ROCK OR PAVEMENT IS PLACED
3. MAINTAIN SILT FENCE SEDIMENT BARRIER THROUGHOUT CONSTRUCTION DURATION
4. PORTABLE SANITARY FACILITY AND TRASH BIN WITH LID
5. MAINTAIN ORANGE CONSTRUCTION FENCE TO PROTECT EXISTING VEGETATION
6. PRESERVE EXISTING VEGETATION OUTSIDE WORK ZONES
7. CONSTRUCT INLET PROTECTION PER FLORENCE DETAIL F-105 WHEN NEW INLET IS INSTALLED
8. CONSTRUCT CONCRETE WASHOUT PER STD DWG RD1070 (LOCATION TO BE DETERMINED BY INSTALLING CONTRACTOR)
9. CONSTRUCT OUTLET PROTECTION AT END OF ROOF DRAIN PIPES THAT DISCHARGES INTO RAIN GARDEN CONSISTING OF 18"X18"X4" PRECAST CONCRETE SPLASH PAD SURROUNDED BY COMPOST FILTER SOCK OR BIOFILTER BAGS
10. CONSTRUCT INLET PROTECTION AROUND AREA DRAIN CONSISTING OF COMPOST FILTER SOCK AND TEMPORARILY PLUG OUTLET PIPE TO PREVENT TURBID WATER FROM LEAVING THE SITE UNTIL UPSTREAM DISTURBED SOIL IS STABILIZED
11. SAW CUT SLURRY CANNOT BE DISCHARGED TO THE CATCH BASIN. USE ALTERNATIVE METHOD SUCH AS WET VACUUM TO COLLECT THE SAW CUT SLURRY.

EROSION CONTROL NOTES

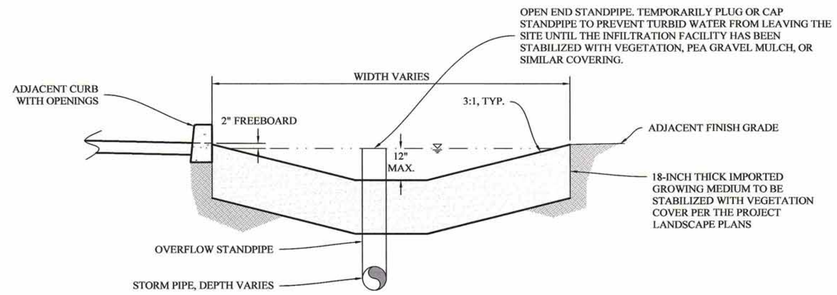
1. MAINTAIN PERIMETER CONTROLS (SEDIMENT BARRIERS, CONSTRUCTION FENCING, CONSTRUCTION ENTRANCES, AND INLET PROTECTION) FOR THE DURATION OF THE PROJECT. PROVIDE INLET PROTECTION AS NEEDED IMMEDIATELY FOLLOWING INSTALLATION OF NEW STORMWATER INLETS/AREA DRAINS. REMOVE CONSTRUCTION ENTRANCE PRIOR TO BASE ROCK PLACEMENT OR PAVING WHERE APPLICABLE.
2. TEMPORARY SLOPE STABILIZATION MEASURES SHALL INCLUDE COVERING EXPOSED SOIL WITH PLASTIC SHEETING, STRAW MULCHING, OR OTHER APPROVED METHODS.
3. LOCATE STOCKPILES AWAY FROM CONSTRUCTION ACTIVITIES THAT CONTAIN SEDIMENT OR SOIL.
4. STOCKPILED TOPSOIL STRIPPING AND IMPORTED FILL MATERIAL SHALL BE PLACED IN A STABLE CONFIGURATION. DURING WET WEATHER PERIODS, STOCKPILES SHALL BE COVERED WITH PLASTIC SHEETING. SEDIMENT BARRIER IS REQUIRED AROUND THE PERIMETER OF THE STOCKPILE.
5. TEMPORARILY STABILIZE EXPOSED SOILS WITH SEEDING, MULCH, MATS, PLASTIC SHEETING, OR ROCK AS NEEDED. USE BERMS OR SWALES TO DIVERT RUNOFF AS NEEDED. DO NOT PLACE GRAVEL IN THE STREET. COVER TEMPORARY STOCKPILES.

EROSION CONTROL LEGEND

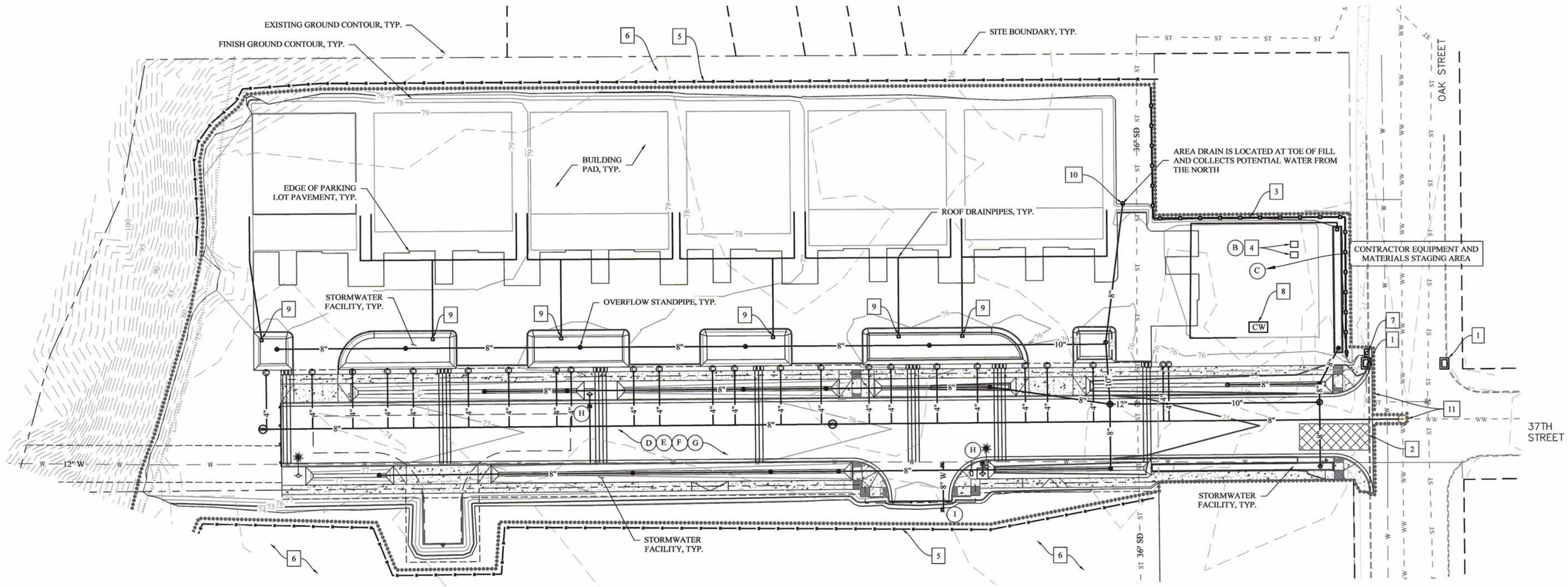
- APPROXIMATE LIMITS OF DISTURBANCE
- SILT FENCE SEDIMENT BARRIER
- ORANGE CONSTRUCTION FENCE
- CONSTRUCTION ENTRANCE
- (A) LOCATION OF POLLUTANT-GENERATING ACTIVITIES AND AUTHORIZED NON-STORMWATER DISCHARGES (SEE TABLES ON SHEET EC1 FOR DESCRIPTIONS)
- CW APPROXIMATE LOCATION CONCRETE WASHOUT

STREET AND UTILITIES PHASE INFORMATION

1. RUNOFF FROM IMPERVIOUS SURFACES (I.E. PAVEMENT, WALKS, ROOFS) WILL BE DIRECTED INTO ON-SITE VEGETATED INFILTRATION FACILITIES FOR STORMWATER DISPOSAL. FACILITIES ARE SIZED PER THE FLORENCE STORMWATER MANUAL TO MEET POLLUTION REDUCTION AND FLOW CONTROL STANDARDS. FINAL STORMWATER DESTINATION IS INFILTRATION INTO GROUNDWATER. FACILITIES ARE SIZED TO TEMPORARILY STORE AND INFILTRATE THE RUNOFF VOLUME GENERATED FOR A 25-YEAR RECURRENCE INTERVAL. TO ACCOMMODATE EXCESS INFLOW, THE STORMWATER FACILITIES WILL INCLUDE OVERFLOW STANDPIPES THAT DISCHARGE INTO A PUBLIC STORMWATER PIPE SYSTEM IN 37TH STREET. THE FACILITIES WILL BE VEGETATED PER THE PROJECT LANDSCAPE PLANS.
2. TEMPORARILY CAP OR PLUG THE OVERFLOW STANDPIPES TO PREVENT TURBID WATER FROM LEAVING THE SITE UNTIL THE INFILTRATION FACILITY HAS BEEN STABILIZED WITH VEGETATION, PEA GRAVEL MULCH, OR SIMILAR COVERING.
3. RUNOFF FROM RIGHT-OF-WAY IMPERVIOUS SURFACES (STREET AND WALKS) DRAIN INTO STREET-SIDE VEGETATED SWALES/PLANTER. RUNOFF FROM ROOF AND PAVED ACCESS/PARKING AREAS DRAIN INTO ON-SITE VEGETATED RAIN GARDENS/PLANTER.



TYPICAL INFILTRATION FACILITY OVERFLOW STANDPIPE
N.T.S.



STREET AND UTILITIES PLAN
1" = 30'

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REGISTERED PROFESSIONAL ENGINEER
OREGON
15376 PE
MAY 30, 1986
CLINTON L. BEECROFT
RENEWS: 07/01/24

MYRTLE GLEN PUD
FINAL PUD IMPROVEMENT DRAWINGS
EROSION AND SEDIMENT CONTROL
STREET AND UTILITIES
FLORENCE, OREGON

No	Description of Revisions	Date	Name

Date	09-25-2023
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Checked by	C. BEECROFT

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EC5

CONSTRUCTION NOTES

1. MAINTAIN INLET PROTECTION THROUGHOUT CONSTRUCTION DURATION, UNLESS INLET IS REMOVED
2. TOWNHOUSE BUILDING ON CONCRETE FOUNDATION
3. MAINTAIN SILT FENCE SEDIMENT BARRIER THROUGHOUT CONSTRUCTION DURATION
4. PORTABLE SANITARY FACILITY AND TRASH BIN WITH LID
5. MAINTAIN ORANGE CONSTRUCTION FENCE TO PROTECT EXISTING VEGETATION
6. PRESERVE EXISTING VEGETATION OUTSIDE WORK ZONES
7. CONCRETE WALKWAY, TYPICAL AT ALL TOWNHOUSE UNITS
8. CONSTRUCT CONCRETE WASHOUT PER STD DWG RD1070 (LOCATION TO BE DETERMINED BY INSTALLING CONTRACTOR)
9. MAINTAIN INLET PROTECTION AROUND AREA DRAIN AND TEMPORARILY PLUG OUTLET PIPE TO PREVENT TURBID WATER FROM LEAVING THE SITE UNTIL UPSTREAM DISTURBED SOIL IS STABILIZED
10. CONSTRUCT CONSTRUCTION ENTRANCE - TYPE 1 PER OREGON STD DWG RD1000, UNTIL PARKING LOT AREA IS ROCKED OR PAVED
11. CONTAINER FOR STORING CONSTRUCTION MATERIALS AND FOR SPILL KITS AND SPILL CONTAINMENT DEVICES (APPROXIMATE LOCATION)

EROSION CONTROL NOTES

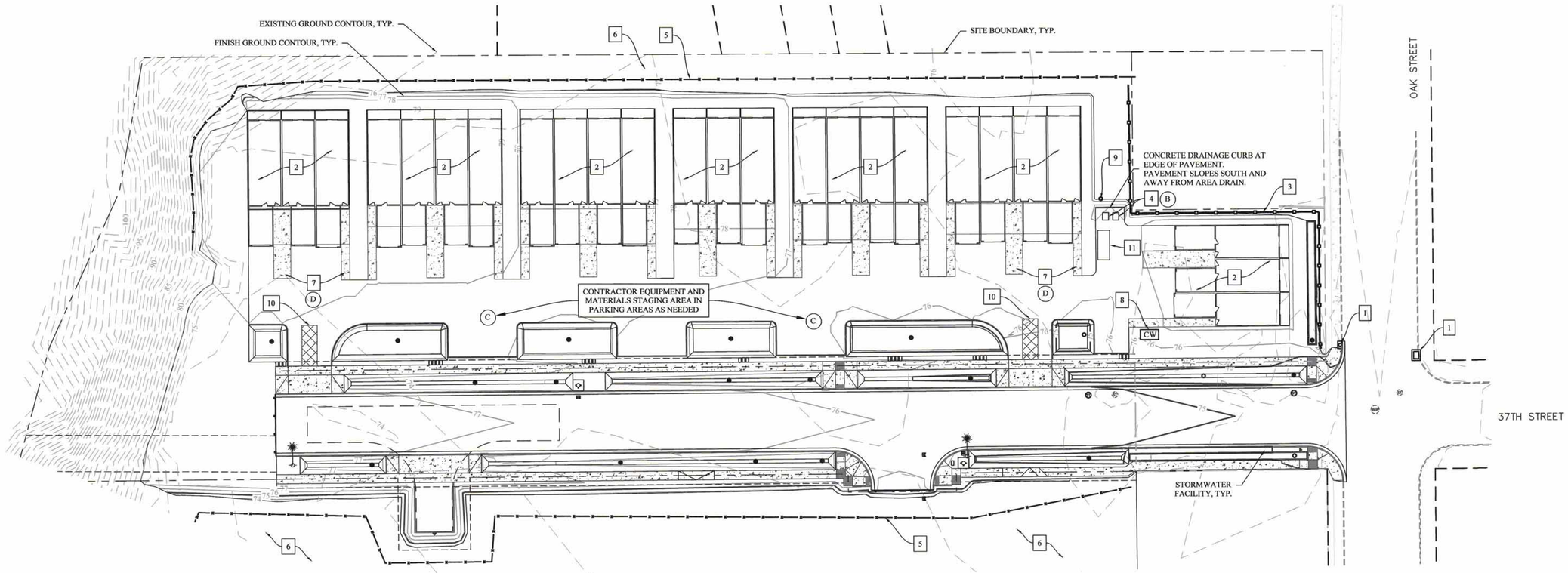
1. MAINTAIN PERIMETER CONTROLS (SEDIMENT BARRIERS, CONSTRUCTION FENCING, CONSTRUCTION ENTRANCES, AND INLET PROTECTION) FOR THE DURATION OF THE PROJECT. PROVIDE INLET PROTECTION AS NEEDED IMMEDIATELY FOLLOWING INSTALLATION OF NEW STORMWATER INLETS/AREA DRAINS. REMOVE CONSTRUCTION ENTRANCE PRIOR TO BASE ROCK PLACEMENT OR PAVING WHERE APPLICABLE.
2. TEMPORARY SLOPE STABILIZATION MEASURES SHALL INCLUDE COVERING EXPOSED SOIL WITH PLASTIC SHEETING, STRAW MULCHING, OR OTHER APPROVED METHODS.
3. LOCATE STOCKPILES AWAY FROM CONSTRUCTION ACTIVITIES THAT CONTAIN SEDIMENT OR SOIL.
4. STOCKPILED TOPSOIL STRIPPING AND IMPORTED FILL MATERIAL SHALL BE PLACED IN A STABLE CONFIGURATION. DURING WET WEATHER PERIODS, STOCKPILES SHALL BE COVERED WITH PLASTIC SHEETING. SEDIMENT BARRIER IS REQUIRED AROUND THE PERIMETER OF THE STOCKPILE.
5. TEMPORARILY STABILIZE EXPOSED SOILS WITH SEEDING, MULCH, MATS, PLASTIC SHEETING, OR ROCK AS NEEDED. USE BERMS OR SWALES TO DIVERT RUNOFF AS NEEDED. DO NOT PLACE GRAVEL IN THE STREET. COVER TEMPORARY STOCKPILES.

EROSION CONTROL LEGEND

- APPROXIMATE LIMITS OF DISTURBANCE
- SILT FENCE SEDIMENT BARRIER
- ORANGE CONSTRUCTION FENCE
- CONSTRUCTION ENTRANCE
- (A) LOCATION OF POLLUTANT-GENERATING ACTIVITIES AND AUTHORIZED NON-STORMWATER DISCHARGES (SEE TABLES ON SHEET EC1 FOR DESCRIPTIONS)
- [CW] APPROXIMATE LOCATION CONCRETE WASHOUT

VERTICAL CONSTRUCTION PHASE INFORMATION

1. BUILDING CONSTRUCTION WILL GENERALLY PROGRESS FROM EAST TO WEST. PARKING LOT AREA PAVING MAY BE PERFORMED IN STAGES AS TOWNHOUSE UNITS ARE FINISHED OR ALL AT ONCE. MAINTAIN CONSTRUCTION ENTRANCES AS NEEDED UNTIL THE ENTIRE PARKING AREA IS ROACKED OR PAVED TO PREVENT TRACKING ONTO 37TH STREET.
2. PROVIDE ENCLOSED STORAGE CONTAINER FOR SPILL KITS AND SPILL CONTAINMENT DEVICES (WATTLES, FILTER SOCKS, ABSORBENT BOOMS, ETC.) THROUGH COMPLETION OF VERTICAL CONSTRUCTION. POTENTIAL POLLUTANT GENERATING CONSTRUCTION MATERIALS (I.E. PAINTS, CAULKS, SEALANTS, SOLVENTS, ETC.) SHALL BE STORED IN THE CONTAINER WHEN NOT IN USE.



30' 0 30' 60'

CONTOUR INTERVAL IS 5-FEET
CONTOUR LINES DERIVED FROM LIDAR
ELEVATION DATUM NAVD88

VERTICAL CONSTRUCTION PLAN

1" = 30'

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REGISTERED PROFESSIONAL ENGINEER 15376 PE OREGON MAY 30, 1986 CLINTON L. BEECROFT
9-25-23
RENEWS: 01/01/24

MYRTLE GLEN PUD
FINAL PUD IMPROVEMENT DRAWINGS
EROSION AND SEDIMENT CONTROL
VERTICAL CONSTRUCTION
FLORENCE, OREGON

No.	Description of Revisions	Date	Name

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Drawn by	C. BEECROFT
Checked by	C. BEECROFT

Sheet Number

EC6

CONSTRUCTION NOTES

1. PLACE SEEDED COMPOST WITH PERMANENT SEEDING ON ALL DISTURBED SOIL LOCATED OUTSIDE OF LANDSCAPED AREAS
2. PLANT ALL STORMWATER FACILITIES AND AREAS SURROUNDING THE BUILDINGS PER THE PROJECT LANDSCAPE PLANS
3. STREET CUT FOR UTILITY INSTALLATIONS TO BE RESURFACED ASPHALT PAVEMENT, TYPICAL

FINAL SITE STABILIZATION PHASE INFORMATION

1. FINAL SITE STABILIZATION WILL CONSIST OF IMPERVIOUS SURFACES (ROOF AND PAVEMENT) AND FINAL SEEDING/LANDSCAPING OF ALL DISTURBED SOIL.
2. PROJECT LANDSCAPE PLANS HAVE BEEN DEVELOPED FOR LANDSCAPED AREAS SURROUNDING THE BUILDINGS AND FOR ALL VEGETATED STORMWATER FACILITIES (SWALES, PLANTERS, AND RAIN GARDENS). ALL DISTURBED SOIL THAT IS OUTSIDE OF LANDSCAPED AREAS WILL BE STABILIZED WITH MULCH AND PERMANENT SEEDING PER THE SEED SPECIFICATIONS.

FINAL STABILIZATION LEGEND

FINAL VEGETATION OF LANDSCAPED AND SEEDED SURFACES
SURFACE AREA = 2.58 ACRE

IMPERVIOUS SURFACES - BUILDING ROOFS
SURFACE AREA = 0.84 ACRE

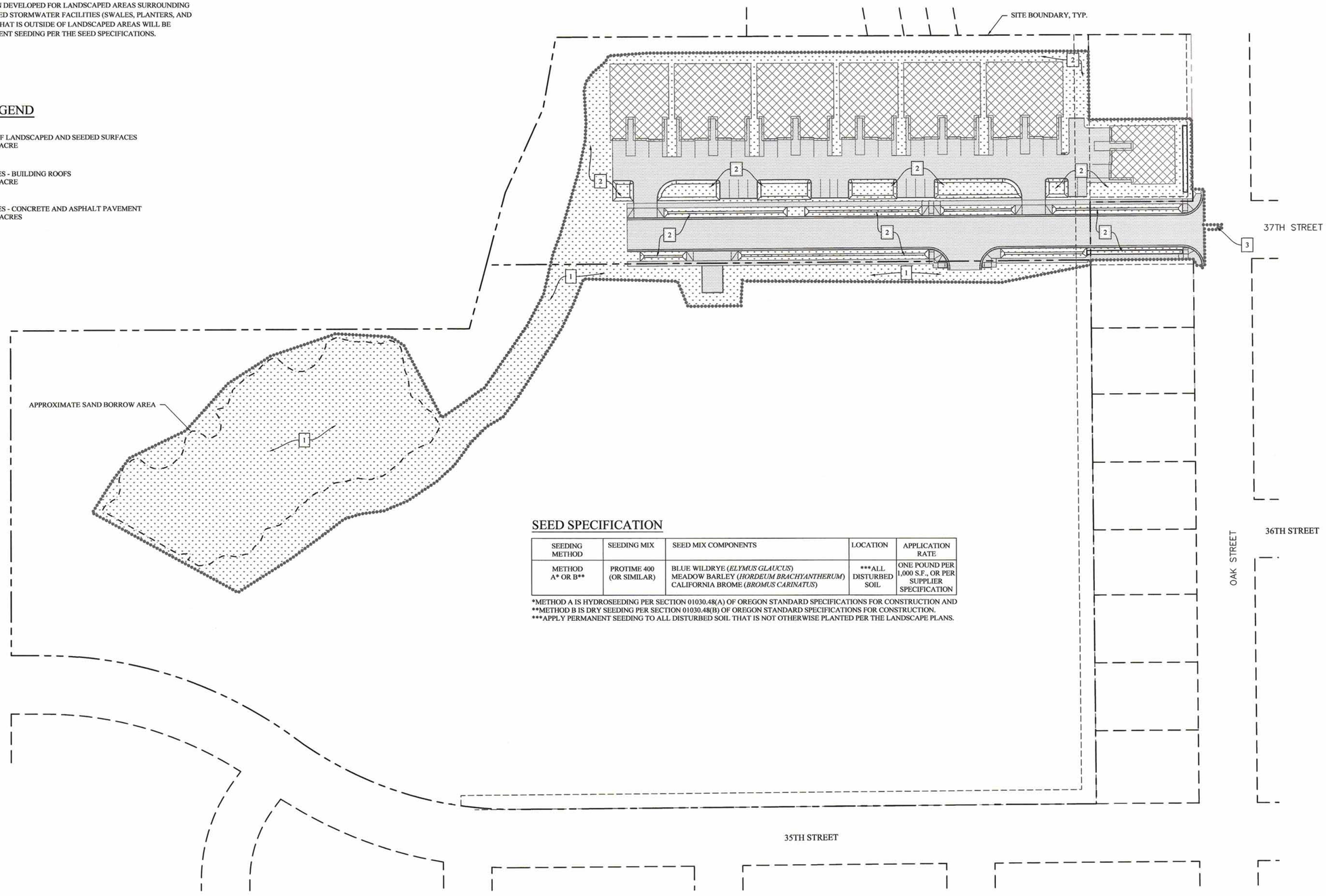
IMPERVIOUS SURFACES - CONCRETE AND ASPHALT PAVEMENT
SURFACE AREA = 1.30 ACRES

EROSION CONTROL NOTES

1. LONG TERM SLOPE STABILIZATION MEASURES OVER DISTURBED SURFACES SHALL INCLUDE PLACEMENT OF 8" TO 12" THICK GROUND SEEDED "ROOT-MAT" OR OTHER LOCALLY AVAILABLE SEEDED MULCH, PERMANENT SEEDING AS NEEDED, AND VEGETATION ESTABLISHMENT.
2. SEEDING METHODS SHALL BE AS DESCRIBED IN SECTION 01030.48 OF THE ODOT STANDARD SPECIFICATIONS. METHOD A CONSISTS OF HYDROSEEDING, FERTILIZING, HYDROMULCHING, AND TACKING IN ONE OPERATION. METHOD B CONSISTS OF SEEDING, FERTILIZING, DRY MULCHING, AND TRACKING IN SEPARATE STEPS.
3. PLANT STORMWATER RAIN GARDENS, PLANTERS AND STREET-SIDE SWALES IN CONFORMANCE WITH PROJECT LANDSCAPE PLANS.
4. MAINTAIN PERIMETER SEDIMENT CONTROLS AND INLET PROTECTION UNTIL SITE IS STABILIZED.

EROSION CONTROL LEGEND

APPROXIMATE LIMITS OF DISTURBANCE



SEED SPECIFICATION

SEEDING METHOD	SEEDING MIX	SEED MIX COMPONENTS	LOCATION	APPLICATION RATE
METHOD A* OR B**	PROTIME 400 (OR SIMILAR)	BLUE WILDRYE (*ELYMUS GLAUCUS*) MEADOW BARLEY (*HORDEUM BRACHYANTHERUM*) CALIFORNIA BROME (*BROMUS CARINATUS*)	***ALL DISTURBED SOIL	ONE POUND PER 1,000 S.F., OR PER SUPPLIER SPECIFICATION

*METHOD A IS HYDROSEEDING PER SECTION 01030.48(A) OF OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION AND
**METHOD B IS DRY SEEDING PER SECTION 01030.48(B) OF OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
***APPLY PERMANENT SEEDING TO ALL DISTURBED SOIL THAT IS NOT OTHERWISE PLANTED PER THE LANDSCAPE PLANS.

50' 0 50' 100'

FINAL SITE STABILIZATION PLAN

1" = 50'

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REGISTERED PROFESSIONAL ENGINEER — OREGON — MAY 30, 1987 — CLINTON L. BEECROFT — 15376 PE
9-25-2023
RENEWS: 01/01/24

MYRTLE GLEN PUD
FINAL PUD IMPROVEMENT DRAWINGS
EROSION AND SEDIMENT CONTROL
FINAL SITE STABILIZATION
FLORENCE, OREGON

No.	Description of Revisions	Date	Name

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Drawn by C. BEECROFT
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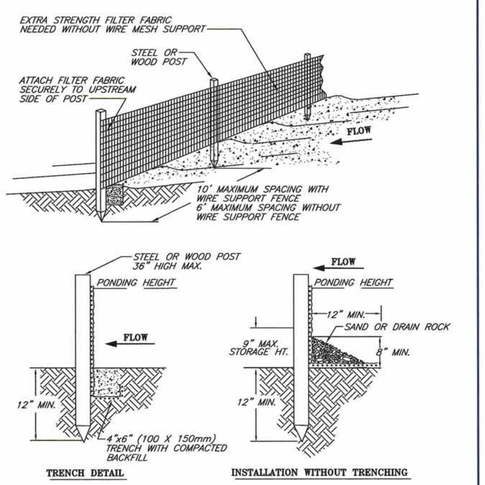


TRENCH DETAIL **INSTALLATION WITHOUT TRENCHING**

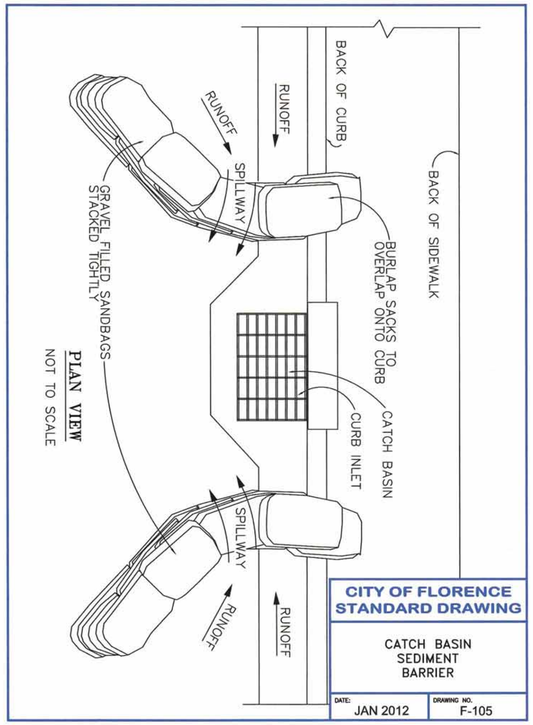
NOT TO SCALE

NOTES:
1. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
2. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" (225mm) MAXIMUM RECOMMENDED STORAGE HEIGHT.
3. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
4. FENCE TO REMAIN IN PLACE AND MAINTAINED BY CONTRACTOR UNTIL ALL DISTURBED SOILS HAVE BEEN STABILIZED

CITY OF FLORENCE STANDARD DRAWING

SILT FENCE

DATE: DEC-2011 | DRAWING NO. F-101



PLAN VIEW
NOT TO SCALE

CITY OF FLORENCE STANDARD DRAWING

CATCH BASIN SEDIMENT BARRIER

DATE: JAN 2012 | DRAWING NO. F-105

WASH OUT FACILITY MAINTENANCE

1. DURING PERIODS OF CONCRETE WORK, INSPECT DAILY TO VERIFY CONTINUED PERFORMANCE AND REMAINING CAPACITY (% FULL).
2. MAINTAIN WASH OUT FACILITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM FREEBOARD OF 6-INCHES.
3. WASH OUT FACILITY MUST BE CLEANED, OR A NEW FACILITY MUST BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75-PERCENT FULL. HARDENED CONCRETE SHALL BE REMOVED AS NEEDED AND PROPERLY DISPOSED OF.
4. WHEN CONCRETE WASH OUT FACILITIES ARE NO LONGER REQUIRED, THE HARDENED CONCRETE AND MATERIALS USED TO CONSTRUCT CONCRETE WASH OUT FACILITIES SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF.

ROUTINE BMP MAINTENANCE SPECIFICATIONS

1. INLET PROTECTION:
   INSPECT INLETS FOLLOWING EACH STORM EVENT AND DAILY WHEN RUNOFF IS OCCURRING. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. MAKE ANY NEEDED REPAIRS IMMEDIATELY.
2. SEDIMENT FENCE:
   REMOVE ACCUMULATED SEDIMENT FREQUENTLY AND REPLACE FABRIC AT LEAST EVERY SIX MONTHS WHEN EXPOSED TO FINE CLAY SEDIMENT RUNOFF. DO NOT ALLOW SEDIMENT TO ACCUMULATE BEHIND THE SEDIMENT FENCE ANY HIGHER THAN ONE-THIRD THE ABOVE-GROUND HEIGHT.
3. GRAVEL CONSTRUCTION ENTRANCE:
   ANY MATERIAL THAT REACHES THE ROAD MUST BE CLEANED UP IMMEDIATELY BY VACUUM SWEEPING AND NOT WASHED OFF WITH WATER. ADDITIONAL ROCK MAY BE NEEDED PERIODICALLY TO MAINTAIN A CLEAN SURFACE.

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OREGON
JULY 30, 1982
CLINTON L. BEECROFT
15176 PE
0-25-23
RENEWS: 07/01/24

MYRTLE GLEN PUD
FINAL PUD IMPROVEMENT DRAWINGS
EROSION AND SEDIMENT CONTROL
STANDARD DRAWINGS AND DETAILS
FLORENCE, OREGON

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Checked by: C. BEECROFT

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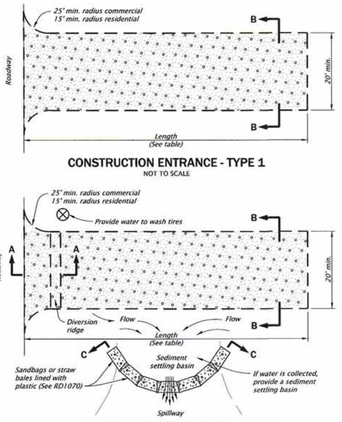
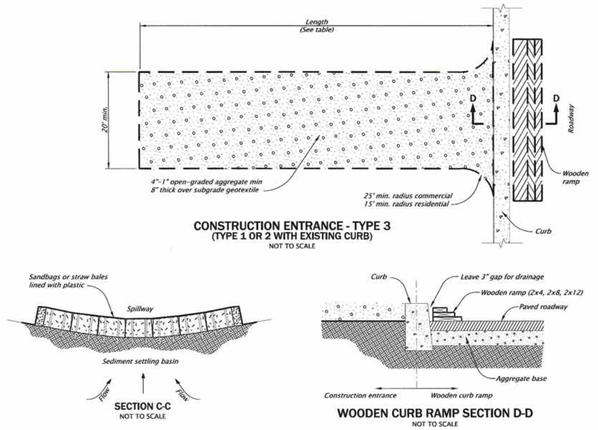
RD1000 rd1000.dgn 07-01-2020





NOTES:
1. The Type 1 entrance is a simple entrance without a diversion ridge or settling basin.
2. The wooden ramp may be used on either Type 1 or Type 2 entrances in situations where there is curb and the curb is not removed for the construction entrance.

CONSTRUCTION ENTRANCE TABLE MINIMUM LENGTH	
Length (FT)	Area Of Exposed Soil (Acre)
20	0.25
50	0.25 < A < 1.0
100	A > 1.0

CALC. BOOK NO. 6408 | SDR DATE July, 2020

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

OREGON STANDARD DRAWINGS

CONSTRUCTION ENTRANCES

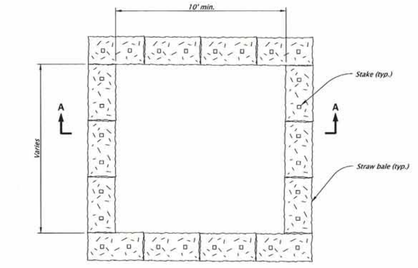
2021

DATE	REVISION DESCRIPTION

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

Effective Date: December 1, 2020 - May 31, 2021 RD1000

RD1070 rd1070.dgn 07-01-2020



CALC. BOOK NO. 6403, 6404, 6405 | SDR DATE July, 2020

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

OREGON STANDARD DRAWINGS

CONCRETE TRUCK WASH OUT

2021

DATE	REVISION DESCRIPTION

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

Effective Date: December 1, 2020 - May 31, 2021 RD1070