

EUGENE WATER & ELECTRIC BOARD

EUGENE, OREGON

COLLEGE HILL 7.5 MG STORAGE TANKS DEMOLITION AND EXCAVATION

EWEB PROJECT D-39811-W

APRIL 2024

INDEX OF DRAWINGS

GENERAL

- 1 G000 COVER SHEET, INDEX OF DRAWINGS, LOCATION AND VICINITY MAPS
- 2 G001 GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS AND LEGEND

EROSION AND SEDIMENT CONTROL

- 3 EC001 ESC PLAN COVER SHEET
- 4 EC101 ESC PLAN PHASE 1 – DEMOLITION
- 5 EC102 ESC PLAN PHASE 2 – EXCAVATION AND FINAL STABILIZATION
- 6 EC103 ESC NOTES

CIVIL

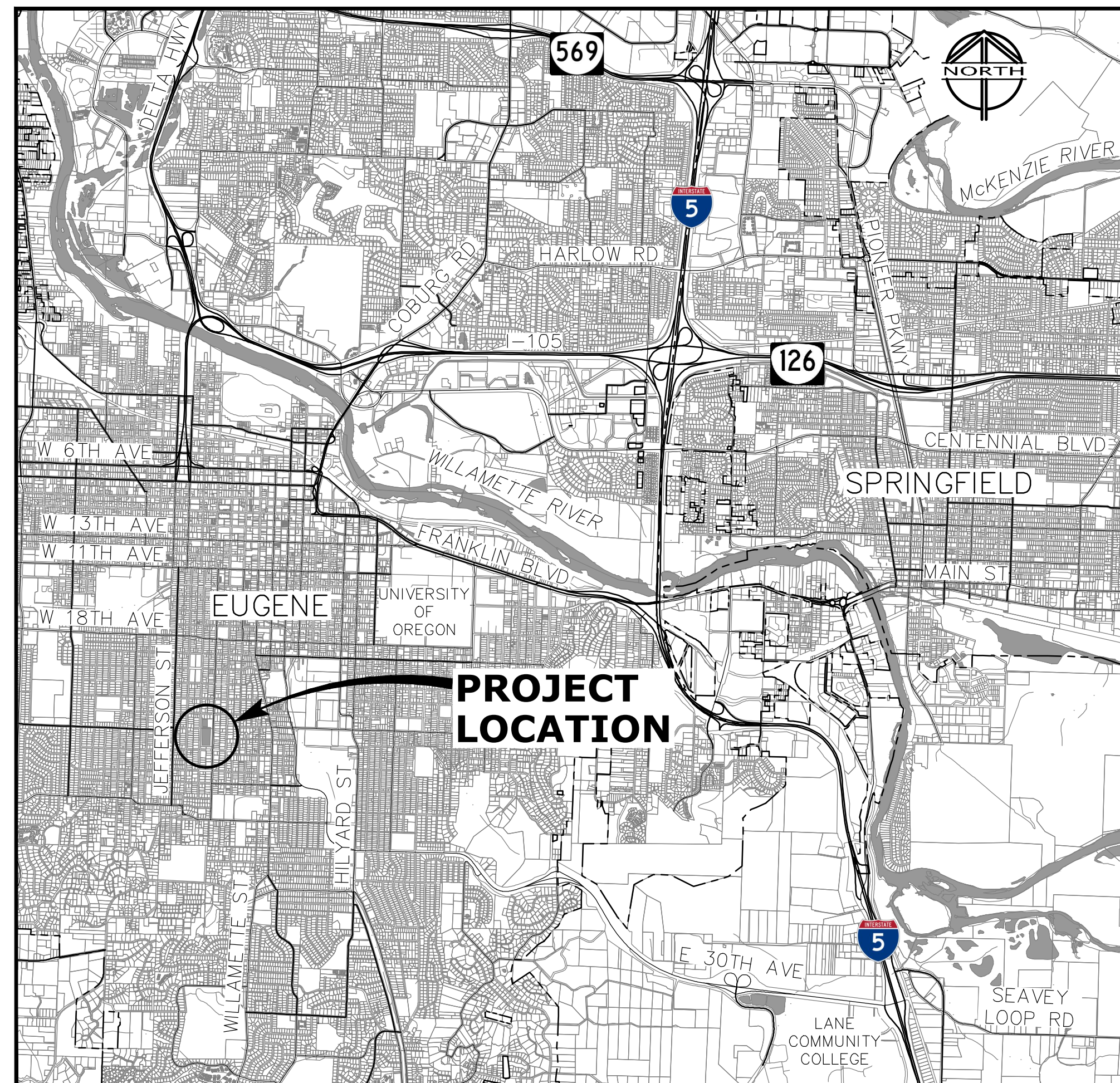
- 7 C101 EXISTING CONDITIONS PLAN
- 8 C102 TREE PROTECTION PLAN
- 9 C103 DEMOLITION PLAN
- 10 C104 CONCEPTUAL EXCAVATION PLAN
- 11 C301 CONCEPTUAL EXCAVATION SECTIONS – 1
- 12 C302 CONCEPTUAL EXCAVATION SECTIONS – 2

ODOT STANDARD DRAWINGS

- RD1000 CONSTRUCTION ENTRANCES
- RD1010 INLET PROTECTION – TYPE 2, 3, 6, 7, 10 AND 11
- RD1015 INLET PROTECTION – TYPE 4
- RD1030 SEDIMENT BARRIER – TYPE 2, 3 AND 4
- RD1040 SEDIMENT FENCE
- RD1055 SLOPE AND CHANNEL MATTING
- RD1070 CONCRETE TRUCK WASHOUT

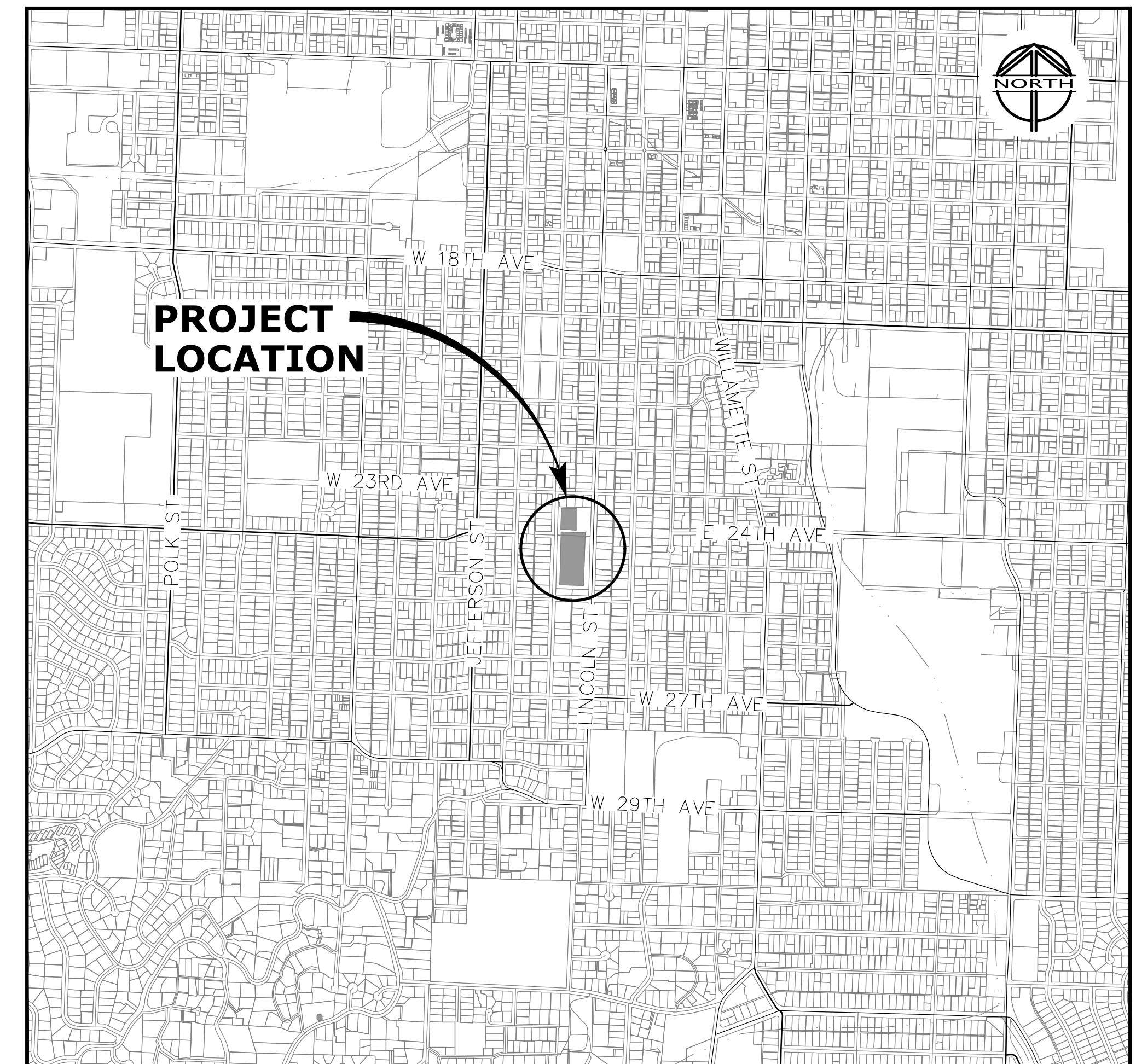


Know what's below.
Call before you dig.



VICINITY MAP

SCALE: 1"=3,000'



LOCATION MAP

SCALE: 1"=1,000'

TAX LOT 18030642-7200, 18030642-7500, 18030642-7600
TOWNSHIP 18 SOUTH, RANGE 3 WEST, SECTION 6
WILLAMETTE MERIDIAN, CITY OF EUGENE,
LANE COUNTY, OREGON

TANKS SITE ADDRESS:
2400 LINCOLN ST.
EUGENE, OR 97405

ATTENTION: OREGON LAW REQUIRES THE CONTRACTOR TO FOLLOW THE RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. THE CONTRACTOR MAY OBTAIN COPIES OF THE RULES BY CALLING THE UTILITY NOTIFICATION CENTER. (NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS 503-246-6699.)

REV NO.	REV DATE	REVISION DESCRIPTION	DWN	STD	CHK	APP

ONE SW COLUMBIA STREET, SUITE 1700
PORTLAND, OREGON 97258
P 503.225.9010

REGISTERED PROFESSIONAL
ENGINEER
101202PE
OREGON
SEPTEMBER 12, 2002
TAYLOR MADISON SPENCER
RENEWS 06-30-26

FUNC	BY	CHK	APP
DES	TMS	MLM	TPB
DWN	DKH		
STANDARDS CHECK			
LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" SCALE ACCORDINGLY)			

WATER DISTRIBUTION
COLLEGE HILL
7.5 MG STORAGE TANKS
DEMOLITION AND EXCAVATION
COVER SHEET, INDEX OF DRAWINGS,
LOCATION AND VICINITY MAPS

EWEB WORK ORDER NO. W1855190R
SCALE: AS SHOWN
DATE: 04-05-2024
EWC NO. D-39811-G000
PROJECT SHEET NO. 1 OF 12
REV 0

4/1/2024 5:26 PM NICK McRADDOIN

GENERAL NOTES

1. OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER SET FORTH IN OAR 952-001-0090. CALL 1-800-322-2344 TO NOTIFY THE CENTER AT LEAST 2 BUSINESS DAYS, BUT NOT MORE THAN 10 BUSINESS DAYS, BEFORE COMMENCING AN EXCAVATION.
2. ALL WORK TO COMPLY WITH EWEB'S WATER DISTRIBUTION DESIGN & CONSTRUCTION STANDARDS, CURRENT EDITION, ARE INCORPORATED HEREIN BY REFERENCE. ALL STANDARD DETAIL REFERENCES ON THESE DRAWINGS REFER TO STANDARD DETAILS CONTAINED WITHIN THIS DOCUMENT.
3. DESIGN CHANGE REQUESTS MUST BE APPROVED BY THE CONSULTING ENGINEER & EWEB PRIOR TO THE CHANGES BEING IMPLEMENTED.
4. COMPLY WITH ALL CITY OF EUGENE REQUIREMENTS FOR WORK IN AND RESTORATION OF CITY STREETS AND PUBLIC RIGHT-OF-WAYS.
5. ALL FACILITIES, STRUCTURES, AND OTHER AREAS THAT ARE DISTURBED, DAMAGED, OR REMOVED DURING CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS.
6. CONTRACTOR IS RESPONSIBLE FOR GRADING, STAGING, AND NECESSARY SITE IMPROVEMENTS TO ALLOW FOR TREE REMOVAL.
7. CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY LOCATES.
8. PROTECT ALL PROPERTY CORNERS, SURVEY MONUMENTS, AND CONTROL POINTS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PAYING FOR THE REPLACEMENT OF ANY EXISTING MONUMENTATION DAMAGED OR REMOVED DURING CONSTRUCTION. NEW MONUMENTATION SHALL BE REESTABLISHED BY A LICENSED SURVEYOR.
9. SURVEY PROVIDED BY BRANCH ENGINEERING. ELEVATIONS ARE BASED ON RTK GPS OBSERVATIONS TAKEN ON JUNE 6, 2018 USING THE OREGON REAL-TIME GEODETIC NETWORK AND GEOID 12A(NAVD88). HORIZONTAL DATUM IS OREGON STATE PLANE SOUTH 3602, NAD 83. VERTICAL DATUM IS NGVD 29. UNIT OF MEASURE = FOOT.
10. CONSTRUCTION LAYOUT (ALL ACTUAL LINES AND GRADES) SHALL BE STAKED BY A PROFESSIONAL SURVEYOR, REGISTERED IN THE STATE OF OREGON, BASED ON COORDINATES, DIMENSIONS, BEARINGS, AND ELEVATIONS, AS SHOW, ON THE PLANS.
11. PROJECT CONTROL SHALL BE FIELD VERIFIED AND CHECKED FOR RELATIVE VERTICAL POSITION BASED ON THE BENCHMARK STATED HEREON, PRIOR TO BEGINNING CONSTRUCTION LAYOUT.
12. WHEN DIMENSIONS AND COORDINATE LOCATIONS ARE REPRESENTED - DIMENSIONS SHALL HOLD OVER COORDINATE LOCATION. NOTIFY THE CIVIL ENGINEER OF RECORD IMMEDIATELY UPON DISCOVERY OF ANY DISCREPANCIES.
13. CONTRACTOR TO REFERENCE GEOTECHNICAL INVESTIGATION AND SEISMIC HAZARD STUDY REPORT BY FEI DATED MARCH 12TH, 2021 FOR THE SITE SOILS CONDITIONS.
14. THE LOCATION OF EXISTING UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND ARE NOT GUARANTEED TO BE COMPLETE OR ACCURATE. CONTRACTOR SHALL VERIFY ELEVATIONS, PIPE SIZE, AND MATERIAL TYPES OF ALL UNDERGROUND UTILITIES PRIOR TO COMMENCING WITH CONSTRUCTION AND SHALL BRING ANY DISCREPANCIES TO THE ATTENTION OF THE CONSULTING ENGINEER AND EWEB, 72 HOURS PRIOR TO START OF CONSTRUCTION TO PREVENT GRADE AND ALIGNMENT CONFLICTS.

15. THE ENGINEER OR OWNER IS NOT RESPONSIBLE FOR THE SAFETY OF THE CONTRACTOR OR HIS CREW. ALL O.S.H.A. REGULATIONS SHALL BE STRICTLY ADHERED TO IN THE PERFORMANCE OF THE WORK.
16. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL ROADWAYS, KEEPING THEM CLEAN AND FREE OF CONSTRUCTION MATERIALS AND DEBRIS, AND PROVIDING DUST CONTROL AS REQUIRED.
17. CONTRACTOR SHALL MAINTAIN ALL UTILITIES TO EXISTING BUILDINGS AT ALL TIMES DURING CONSTRUCTION.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND SCHEDULING ALL WORK WITH THE CONSULTING ENGINEER AND EWEB.
19. CONTAMINATED SOILS (I.E., VISUAL OR OLFACTORY SIGNS OF PETROLEUM OR CHEMICAL CONTAMINATION) ARE NOT KNOWN TO EXIST ON THE SITE. IF CONTAMINATION IS ENCOUNTERED, STOP WORK IN THE IMMEDIATE VICINITY AND NOTIFY ENGINEER AND EWEB. WORK IN OTHER AREAS MAY PROCEED.
20. CONSTRUCTION OF PUBLIC IMPROVEMENTS SHALL COMPLY WITH THE CITY'S STANDARD SPECIFICATIONS AND DRAWINGS.
21. THE CONTRACTOR SHALL NOT PERFORM WORK WITHOUT EWEB INSPECTIONS.
22. CONSTRUCTION SITE SHALL BE MANAGED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION SITE MANAGEMENT PLAN (CSMP). CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING COMPONENTS OF THE CSMP UNTIL PROJECT FINAL ACCEPTANCE IS ISSUED.
23. ON-SITE ROCK PROCESSING TO GENERATE CRUSHED AGGREGATES IS NOT PERMITTED.
24. CONSTRUCTION PARKING AND STAGING LIMITED TO PROJECT SITE. NO CONSTRUCTION PARKING OR STAGING ON PUBLIC ROADS WITHOUT WRITTEN APPROVAL FROM EWEB.

- @ ABAN(D)
- AC ASPHALTIC CONCRETE
- ADPT ADAPTER
- APPROX APPROXIMATE
- ASSY ASSEMBLY
- AVE AVENUE
- BM BENCHMARK / BEAM
- BO BLOW-OFF
- CAV COMBINATION AIR RELEASE
- CB CATCH BASIN
- C/L CENTER LINE
- CONC CONCRETE
- CONST CONSTRUCTION
- CPLG COUPLING
- CR CRUSHED ROCK
- D DRAIN
- DEF DEFLECTION
- DEFL DEFLECT
- DEQ DEPARTMENT OF ENVIRONMENTAL QUALITY
- DET DETAIL
- DI DUCTILE IRON
- DIA DIAMETER
- DWG DRAWING
- E EAST
- EA EACH
- EL, ELEV ELEVATION
- EOP EDGE OF PAVEMENT
- EQ EQUAL
- ESC EROSION AND SEDIMENT CONTROL
- EWB EUGENE WATER & ELECTRIC BOARD
- EXIST EXISTING
- EXIST GR EXISTING GRADE
- FH FIRE HYDRANT
- FIN GR FINISH GRADE
- FITG FITTING
- FLEX FLEXIBLE
- FLG FLANGED
- FO FIBER OPTIC
- FT FEET / FOOT
- G GAS
- GR GRADE
- GRV GRAVEL
- GV GATE VALVE
- HORIZ HORIZONTAL
- HWY HIGHWAY
- IE INVERT ELEVATION
- JT JOINT
- LF LINEAR FOOT
- LT LEFT
- MAX MAXIMUM
- MATL MATERIAL
- MECH MECHANICAL
- MIN MINIMUM
- MJ MECHANICAL JOINT
- N NORTH
- NO. NUMBER
- OC ON CENTER
- OD OUTSIDE DIAMETER
- OVHD OVERHEAD
- PE PLAIN END
- PERM PERMANENT
- PSF POUNDS PER SQUARE FOOT
- PSI POUNDS PER SQUARE INCH
- PV PLUG VALVE
- PVC POLYVINYL CHLORIDE

ABBREVIATIONS

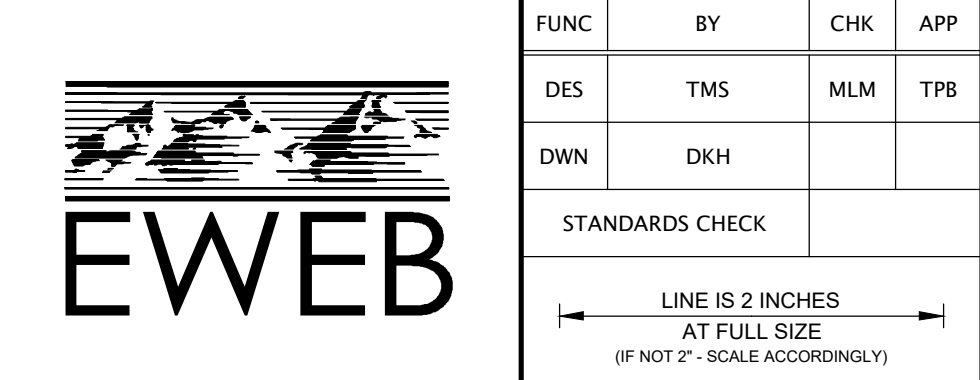
- PW POTABLE WATER
- R RADIUS
- R/W, ROW RIGHT OF WAY
- RDCR REDUCER
- REINF REINFORCE(D)(ING)(MENT)
- REQ'D REQUIRED
- RT RIGHT
- S SOUTH
- SCHED SCHEDULE
- SD STORM DRAIN
- SHT SHEET
- SPEC(S) SPECIFICATION(S)
- SQ SQUARE
- SQ YD SQUARE YARD
- ST STORM WATER, STREET
- STA STATION
- STD STANDARD
- STRUCT STRUCTURE / STRUCTURAL
- S/W SIDEWALK
- TEMP TEMPORARY
- THRD THREAD (ED)
- TRAF TRAFFIC (CONTROL)
- TYP TYPICAL
- VERT VERTICAL
- W WEST, WATER
- W/ WITH
- WL WATERLINE
- WW WASTEWATER/SANITARY SEWER

	EXISTING	PROPOSED
PROPERTY LINE		
RIGHT-OF-WAY		
EASEMENT		
CENTERLINE		
CURB		
CONTOUR MINOR		
CONTOUR MAJOR		
SANITARY SEWER LINE		
STORM DRAIN		
WATER MAIN		
ABANDON PIPE		
VALVE		
BLOW OFF ASSEMBLY		
REDUCER		
FIRE HYDRANT		
PLUG/CAP		
BLOW OFF		
COUPLING		
MANHOLE		
CATCH BASIN		
FITTING/BEND		
METER		

REV NO.	REV DATE	REVISION DESCRIPTION	DWN	STD	CHK	APP



ONE SW COLUMBIA STREET, SUITE 1700
PORTLAND, OREGON 97258
P 503.225.9010



WATER DISTRIBUTION
COLLEGE HILL
7.5 MG STORAGE TANKS
DEMOLITION AND EXCAVATION
GENERAL NOTES, ABBREVIATIONS,
AND SYMBOLS AND LEGEND

EWB WORK ORDER NO. W1855190R	
SCALE: AS SHOWN	
DATE: 04-05-2024	
DWC NO. D-39811-G001	
PROJECT SHEET NO. 2 OF 12	REV 0

4/1/2024 5:26 PM NICK MCFADDIN

ESC PLAN COE EC PERMIT #XX-XXXX-XX

OWNER:

EWEB
CONTACT: LAURA FARTHING, PE
500 E 4TH AVE, EUGENE, OR 97440
PHONE: (541) 685-7464

PLANNING / ENGINEERING:

CONSOR
CONTACT: MICHAEL MCKILLIP, PH.D, PE
1 SW COLUMBIA STREET (SUITE 1700)
PORTLAND, OR 97204
PHONE: (503) 225-9010

SURVEYOR:

BRANCH ENGINEERING
310 5TH ST. SPRINGFIELD, OR 97477
PHONE: (541) 746-0637

NARRATIVE DESCRIPTIONS:

EXISTING SITE CONDITIONS

* DEVELOPED SITE WITH TWO (2) BURIED MUNICIPAL DRINKING WATER STORAGE FACILITIES, SURROUNDED BY CITY OF EUGENE ROADWAYS AND RIGHT OF WAYS.

DEVELOPED CONDITIONS

* WATER STORAGE TANKS, VAULT STRUCTURE, ASSOCIATED UTILITIES (WATER AND STORM PIPING).

NATURE OF CONSTRUCTION ACTIVITY AND ESTIMATED TIME TABLE

- * PHASE 1: DEMOLITION (JULY 2024 - DECEMBER 2024)
- * PHASE 2: ROCK BLASTING & MASS EXCAVATION (DECEMBER 2024 - JUNE 2025)
- * PHASE 3: TANK CONSTRUCTION & PIPING IMPROVEMENTS (JUNE 2025 - NOVEMBER 2026)
- * PHASE 4: FINAL STABILIZATION (NOVEMBER 2026 - MAY 2027)

TOTAL SITE AREA = 6.06 ACRES (264,000 SF)

TOTAL DISTURBED AREA = 4.85 ACRES (211,300 SF)

SITE SOIL CLASSIFICATION:

MEDIUM DENSE TO VERY DENSE RESIDUAL SOIL ABOVE BEDROCK COMPRISED OF VERY WEAK TO MEDIUM STRONG SILTY SANDSTONE.

RECEIVING WATER BODIES:

AMAZON CREEK AND WILLAMETTE RIVER DRAINAGE BASINS

ATTENTION EXCAVATORS:

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

INSPECTION FREQUENCY:

SITE CONDITION	MINIMUM FREQUENCY
1. ACTIVE PERIOD	DAILY WHEN STORMWATER RUNOFF, INCLUDING RUNOFF FROM SNOWMELT, IS OCCURRING. AT LEAST ONCE EVERY MONTH, REGARDLESS OF WHETHER OR NOT RUNOFF 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. ANY NECESSARY MAINTENANCE AND REPAIR MUST BE MADE PRIOR TO LEAVING THE SITE.
3. INACTIVE PERIODS GREATER THAN FOURTEEN (14) 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 DOWNSTREAM LOCATION.
5. PERIODS DURING WHICH DISCHARGE IS UNLIKELY DUE TO FROZEN CONDITIONS.	MONTHLY. RESUME MONITORING IMMEDIATELY UPON MELT, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY.

- * HOLD A PRE-CONSTRUCTION MEETING OF PROJECT CONSTRUCTION PERSONNEL THAT INCLUDES THE INSPECTOR AND CITY OF EUGENE PERSONNEL TO DISCUSS EROSION AND SEDIMENT CONTROL MEASURES AND CONSTRUCTION LIMITS. (SCHEDULE A.8.C.1(3))
- * ALL INSPECTIONS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS.
- * INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200-C PERMIT REQUIREMENTS.
- * RETAIN A COPY OF THE ESCP AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO DEQ, AGENT, OR THE LOCAL MUNICIPALITY. DURING INACTIVE PERIODS OF GREATER THAN SEVEN (7) CONSECUTIVE CALENDAR DAYS, RETAIN THE ESCP AT THE CONSTRUCTION SITE OR AT ANOTHER LOCATION. (SCHEDULE B.2.A)

STANDARD EROSION AND SEDIMENT CONTROL PLAN DRAWING NOTES:

- PRIOR TO ANY GROUND DISTURBANCE ON THE SITE, A PRECONSTRUCTION MEETING WITH EROSION PREVENTION STAFF AND AN INITIAL INSPECTION OF INSTALLED MEASURES IS REQUIRED.
- THE CSMP DOES NOT AUTHORIZE CONSTRUCTION ACTIVITIES, GRADING, BUILDING, PEPI, AND OTHER PERMITS MAY BE REQUIRED. ALL OTHER NECESSARY APPROVALS SHALL BE OBTAINED.
- ISSUANCE OF AN EROSION PREVENTION PERMIT AUTHORIZES INSTALLATION OF APPROVED PROTECTION MEASURES, NOT CONSTRUCTION OR OTHER GROUND DISTURBING ACTIVITIES. IT DOES NOT RELIEVE THE PERMIT HOLDER AND/OR THE CONTRACTOR FROM OTHER PERMITTING REQUIREMENTS.
- CONSTRUCTION SHALL CONFORM TO THE CURRENT EDITION OF THE CITY AMENDED OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION AND CITY STANDARD DRAWINGS (REQUIRED FOR PUBLIC IMPROVEMENT PROJECTS ONLY).
- EROSION AND SEDIMENT CONTROL (ESC) MEASURES, AND OTHER NATURAL RESOURCE PROTECTION FENCING AND BARRIERS, SHOWN ON THE CSMP ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS.
- ESC MEASURES SHALL BE UPGRADED AS NEEDED OR AS DIRECTED BY THE CITY INSPECTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND THE EROSION PREVENTION PERMIT IS CLOSED.
- IMPLEMENTATION OF THE CSMP, INCLUDING CONSTRUCTION, MAINTENANCE, MONITORING, REPLACEMENT, AND/OR UPGRADE OF EROSION AND SEDIMENT CONTROL MEASURES AND PROTECTION FENCING, IS THE RESPONSIBILITY OF THE PERMIT HOLDER UNTIL ALL CONSTRUCTION IS COMPLETED AND VEGETATION/LANDSCAPING IS ESTABLISHED AND APPROVED.
- BOUNDARIES OF THE CLEARING AND GRADING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING CONSTRUCTION, NO DISTURBANCE BEYOND THE FLAGGED CLEARING AND GRADING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE PERMIT HOLDER AND/OR THE CONTRACTOR FOR THE DURATION OF CONSTRUCTION. IN ADDITION, WETLAND AND RIPARIAN AREAS SHALL BE IDENTIFIED AND PROTECTED WITH APPROPRIATE FENCING AS NOTED ON CSMP PRIOR TO CONSTRUCTION AND SHALL NOT BE DISTURBED UNLESS THE PROPER PERMITS ARE OBTAINED.
- ESC MEASURES SHOWN ON THIS CSMP MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DOES NOT ENTER THE STORMWATER SYSTEM, ROADWAYS, ADJACENT PROPERTY OR VIOLATE APPLICABLE WATER QUALITY STANDARDS. WHEN DESIGNING AND IMPLEMENTING MEASURES, THE CSMP DESIGNER, PERMIT HOLDER AND/OR THE CONTRACTOR SHALL CONSIDER THE SEASONAL VARIATION OF RAINFALL, TEMPERATURE, AND OTHER CLIMATIC FACTORS RELATIVE TO THE TIMING OF LAND DISTURBANCE ACTIVITIES.
- ESC MEASURES ON ACTIVE SITES SHALL BE INSPECTED AND MAINTAINED DAILY AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCHES OF RAIN PER 24-HOUR PERIOD.
- ANY REQUIRED REPAIRS OR ADJUSTMENTS TO INSTALLED ESC MEASURES SHALL BE MADE IMMEDIATELY. THE EROSION AND SEDIMENT CONTROL MEASURES ON INACTIVE SITES SHALL BE INSPECTED A MINIMUM OF ONCE EVERY MONTH AND/OR WITHIN 48 HOURS FOLLOWING STORM EVENTS. ADDITIONALLY, SITES COVERED UNDER DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ) PERMITS (1200-C, 1200-CN) MUST COMPLY WITH THOSE PERMIT MONITORING AND RECORD-KEEPING REQUIREMENTS.
- DURING THE WET WEATHER SEASON (OCTOBER 15 TO APRIL 30), ALL EXPOSED SOIL AND STOCKPILE AREAS SHALL BE COVERED, OR OTHERWISE PROTECTED BY A FACILITY (OR COMBINATION OF FACILITIES) THAT RESULT IN NO STORMWATER RUNOFF LEAVING THE SITE DURING A FIVE-YEAR STORM EVENT. FOR DEVELOPMENT SITES OVER 40 ACRES, THE DESIGN STORM SHALL BE A 10-YEAR STORM EVENT CONSISTENT WITH AN APPROVED CSMP.
- ALL ADJACENT PROPERTIES, WATER FEATURES, AND NATURAL RESOURCE AREAS ARE TO BE KEPT FREE OF DEPOSITS OR DISCHARGES OF SOIL, SEDIMENT OR CONSTRUCTION-RELATED MATERIAL FROM THE CONSTRUCTION SITE.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PROTECTED FROM DAMAGE AT ALL TIMES. EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL VEGETATION HAS BEEN ESTABLISHED AND THE SITE IS PERMANENTLY STABILIZED OR REMOVAL IS AUTHORIZED BY CITY INSPECTOR. ANY MEASURES THAT ARE DAMAGED OR DESTROYED SHALL BE REPAIRED OR REPLACED IMMEDIATELY.
- STABILIZE ALL DISTURBED AREAS WITHIN 50 FEET OF WATERWAYS, WETLANDS OR OTHER SENSITIVE AREAS WITHIN SEVEN DAYS OF EXPOSURE.
- STREETS ADJACENT TO CONSTRUCTION ENTRANCES AND ALONG HAUL ROUTES SHALL BE SWEEPED AS NEEDED OR WHEN DIRECTED BY THE CITY INSPECTOR TO ENSURE PUBLIC RIGHTS-OF-WAY ARE KEPT CLEAN AND FREE OF DEBRIS.
- WHEN TRUCKING SATURATED SOILS TO OR FROM THE SITE, EITHER WATERTIGHT TRUCKS SHALL BE USED OR LOADS SHALL BE DRAINED PRIOR TO TRANSPORT UNTIL DRIPPING HAS BEEN REDUCED TO NO MORE THAN ONE GALLON PER HOUR. SEDIMENT-LADEN WATER MUST BE PREVENTED FROM IMPACTING RIGHTS-OF-WAY AND/OR ENTERING THE STORMWATER SYSTEM.
- EXTRACTED GROUND WATER FROM EXCAVATED TRENCHES SHALL BE DISPOSED OF IN A SUITABLE MANNER WITHOUT DISCHARGING SEDIMENT TO ADJACENT PROPERTIES, THE CITY'S STORMWATER SYSTEM, WATER FEATURES, OR RELATED NATURAL RESOURCES. DEWATERING SYSTEMS SHALL BE DESIGNED AND OPERATED SO AS TO PREVENT REMOVAL OF THE NATURAL SOILS AND SO THAT THE GROUNDWATER LEVEL OUTSIDE THE EXCAVATION IS NOT REDUCED TO THE EXTENT THAT WOULD DAMAGE OR ENDANGER ADJACENT STRUCTURES OR PROPERTY. DEWATERING SYSTEM DESIGNS MUST BE SUBMITTED AND APPROVED PRIOR TO OPERATION. APPROVAL OF THE DEWATERING SYSTEM DOES NOT GUARANTEE THAT IT WILL MEET THE OUTCOMES OR BE ACCEPTABLE FOR USE IN ALL SITUATIONS. MODIFICATIONS TO THE SYSTEM WILL BE REQUIRED IF THE OUTCOMES CANNOT BE MET. AT NO TIME WILL SEDIMENT-LADEN WATER BE ALLOWED TO LEAVE THE CONSTRUCTION SITE.
- A SUPPLY OF ESC MATERIALS NECESSARY TO MEET THE OUTCOMES AND IMPLEMENT THE CSMP OR OTHER EROSION PRACTICES UNDER ALL WEATHER CONDITIONS SHALL BE MAINTAINED AT ALL TIMES ON THE CONSTRUCTION SITE.
- NO HAZARDOUS SUBSTANCES, SUCH AS PAINTS, THINNERS, FUELS AND OTHER CHEMICALS SHALL BE RELEASED ONTO THE SITE AND ADJACENT PROPERTIES, OR INTO WATER FEATURES, THE CITY'S STORMWATER SYSTEM, OR NATURAL RESOURCE AREAS.
- NO DISCHARGE OF CONSTRUCTION-RELATED CONTAMINANTS RESULTING FROM ACTIVITIES SUCH AS (BUT NOT LIMITED TO) CONCRETE SAWING, OR CLEANING OR WASHING OR MAINTENANCE OF EQUIPMENT, TOOLS, OR VEHICLES, INTO THE CITY'S STORMWATER SYSTEM OR NATURAL RESOURCE AREAS SHALL OCCUR.
- ALL WORK PERFORMED BY UTILITY COMPANIES FOR THIS PROJECT—INCLUDING PLACEMENT OF APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES, FINISHED GRADING, SEEDING, MULCHING AND CLEAN UP—IS GOVERNED BY THE CONDITIONS AND REQUIREMENTS OF THIS CSMP.

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.

BMP MATRIX FOR CONSTRUCTION PHASES:

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

	CLEARING	MASS GRADING	UTILITY INSTALLATION	STREET CONSTRUCTION	FINAL STABILIZATION	WET WEATHER (OCT. 1 - MAY 31ST)
EROSION PREVENTION						
PRESERVE NATURAL VEGETATION	**X	X	X	X	X	X
GROUND COVER					X	X
PLASTIC SHEETING		X				X
DUST CONTROL	X	X	X	X		X
TEMPORARY/ PERMANENT SEEDING			X		X	
MATTING					X	X
SEDIMENT CONTROL						
SEDIMENT FENCE (PERIMETER)	**X	X	X	X		X
SEDIMENT FENCE (INTERIOR)			X	X		X
BIO BAGS		X	X	X		X
INLET PROTECTION	**X	X	X	X		X
DEWATERING (GENERAL)		X	X	X		X
STRAW WATTLES			X	X	X	X
FILTER BERM	X	X	X	X		
RUN-OFF CONTROL						
CONSTRUCTION ENTRANCE	**X	X	X	X		X
CHECK DAMS	**X	X	X	X	X	
OUTLET PROTECTION	X	X	X	X		X
SURFACE ROUGHENING					X	
POLLUTION PREVENTION						
PROPER SIGNAGE	X	X	X	X	X	X
HAZ WASTE MGMT	X	X	X	X	X	X
SPILL KIT ON-SITE	X	X	X	X	X	X
CONCRETE WASH OUT AREA	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 ABOVE 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 SUBMITTED.

SEE PERMIT #XX-XXXX-XX INITIAL

PERMITTEE'S SITE INSPECTOR:

NAME: N/A
COMPANY/AGENCY: N/A
PHONE: N/A
FAX: N/A
E-MAIL: N/A
DESCRIPTION OF EXPERIENCE: N/A

SEE CITY OF EUGENE EC PERMIT #XX-XXXX-XX

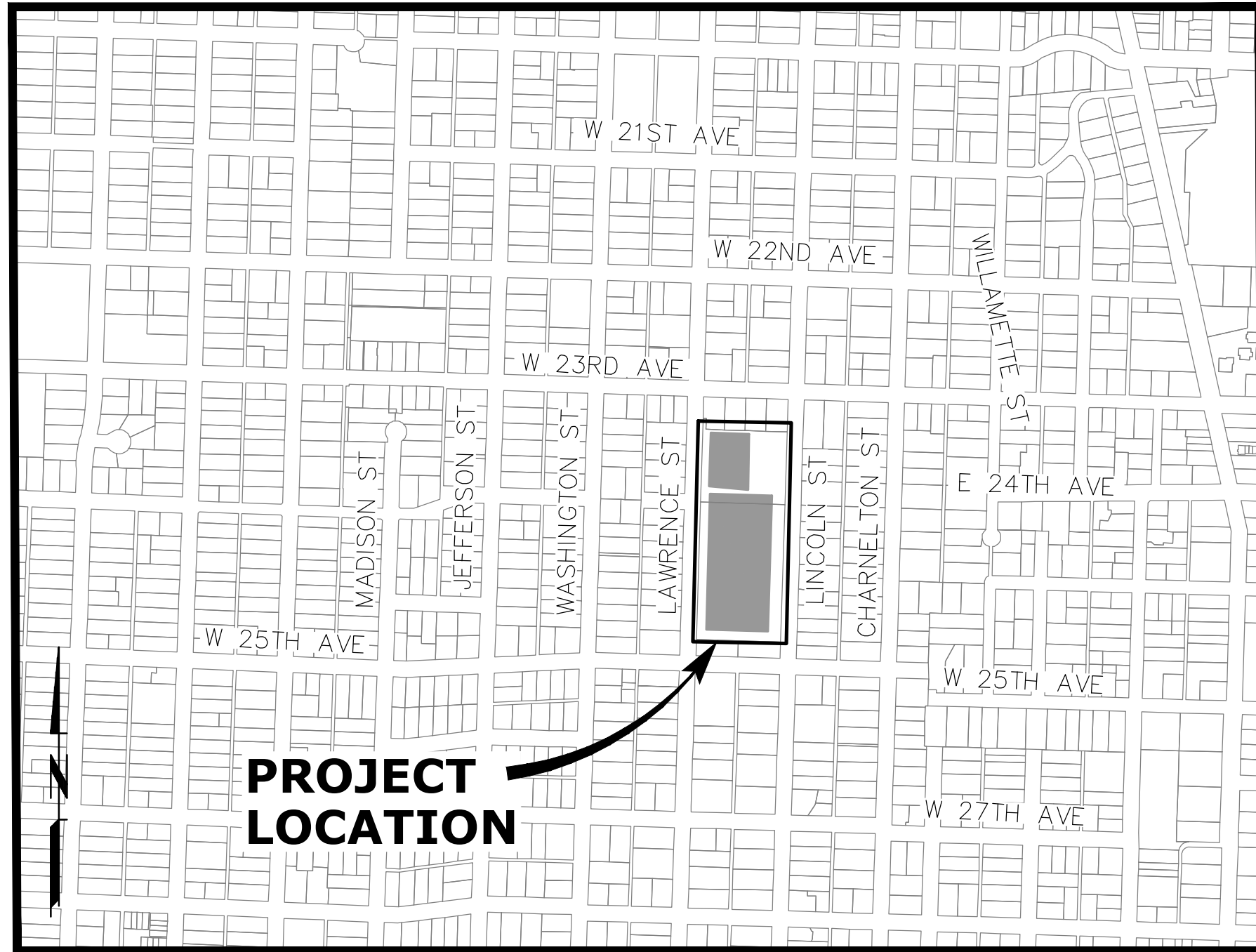
SHEET INDEX

EROSION AND SEDIMENT CONTROL PLANS

- EC001 ESC PLAN COVER SHEET
- EC101 ESC PLAN PHASE 1 - DEMOLITION
- EC102 ESC PLAN PHASE 2 - EXCAVATION AND FINAL STABILIZATION
- EC103 ESC NOTES

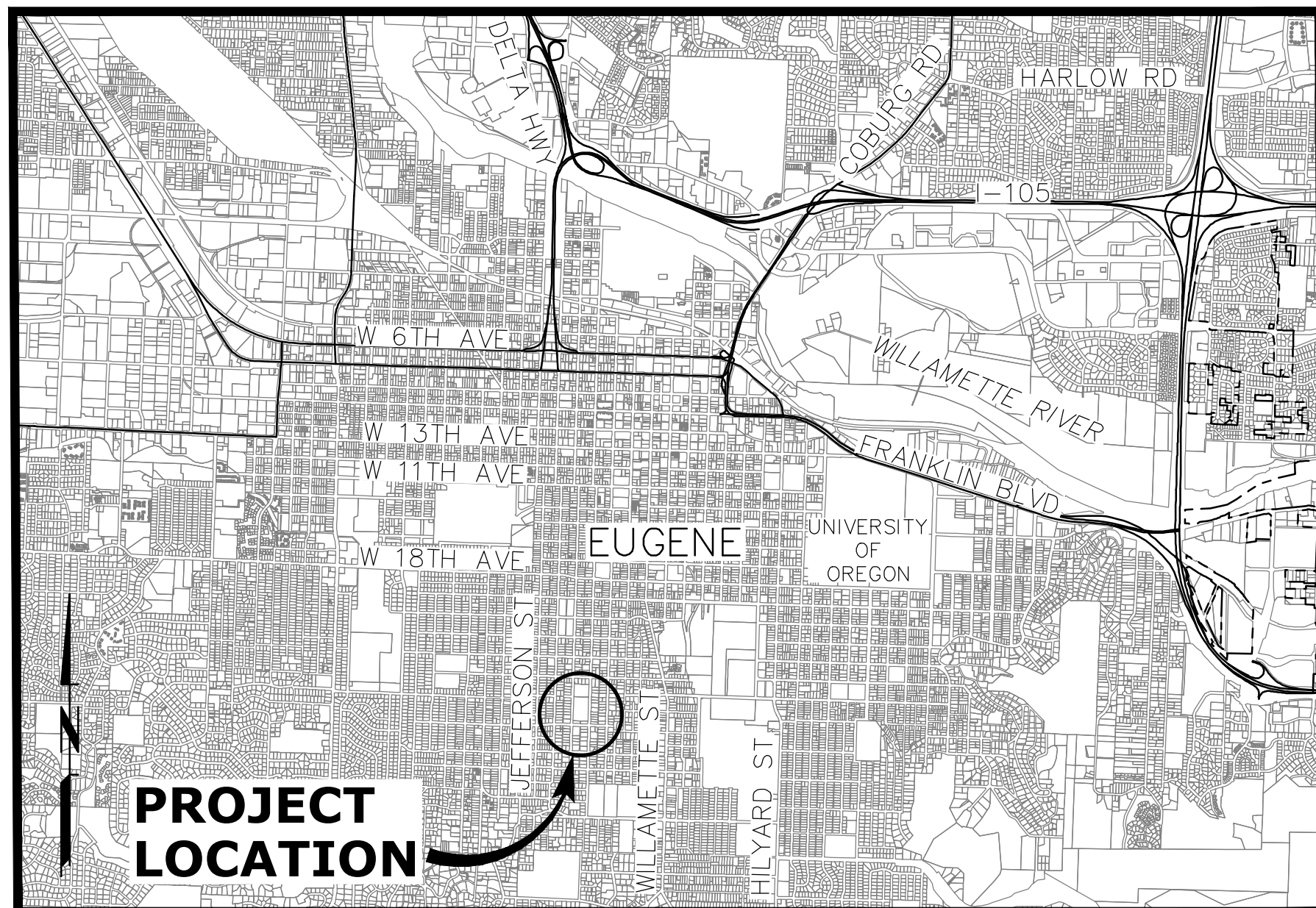
ODOT STANDARD DRAWINGS

- RD1000 CONSTRUCTION ENTRANCES
- RD1010 INLET PROTECTION TYPE 2, 3, 6, 7, 10 AND 11
- RD1015 INLET PROTECTION TYPE 4
- RD1030 SEDIMENT BARRIER TYPE 2, 3 AND 4
- RD1040 SEDIMENT FENCE
- RD1055 SLOPE AND CHANNEL MATTING
- RD1070 CONCRETE TRUCK WASH OUT



LOCATION MAP

SCALE: 1"=500'



VICINITY MAP

SCALE: 1"=2,000'

PROJECT LOCATIONS:

RESERVOIR SITE - SOUTH OF W 23RD AVE AND WEST OF LINCOLN ST IN LANE COUNTY, OREGON; SITE ENTRANCE OFF LINCOLN ST

PROPERTY DESCRIPTIONS:

RESERVOIR SITE - TAX LOTS 7200, 7500, AND 7600 (LANE COUNTY TAX MAP 18030642) LOCATED IN SECTION 17, TOWNSHIP 18 SOUTH, RANGE 3 WEST, WILLAMETTE MERIDIAN, LANE COUNTY, OREGON.

REV NO.	REV DATE	REVISION DESCRIPTION	DWN	STD	CHK	APP



FUNC	BY	CHK	APP
DES	TMS	MLM	TPB
DWN	DKH		

STANDARDS CHECK

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" SCALE ACCORDINGLY)

WATER DISTRIBUTION
COLLEGE HILL
7.5 MG STORAGE TANKS
DEMOLITION AND EXCAVATION
COVER SHEET AND EROSION CONTROL NOTES

EWB WORK ORDER NO. W1855190R	SCALE: AS SHOWN
DATE: 04-05-2024	DWG NO.: D-39811-EC001
PROJECT SHEET NO.: 3 OF 12	REV: 0

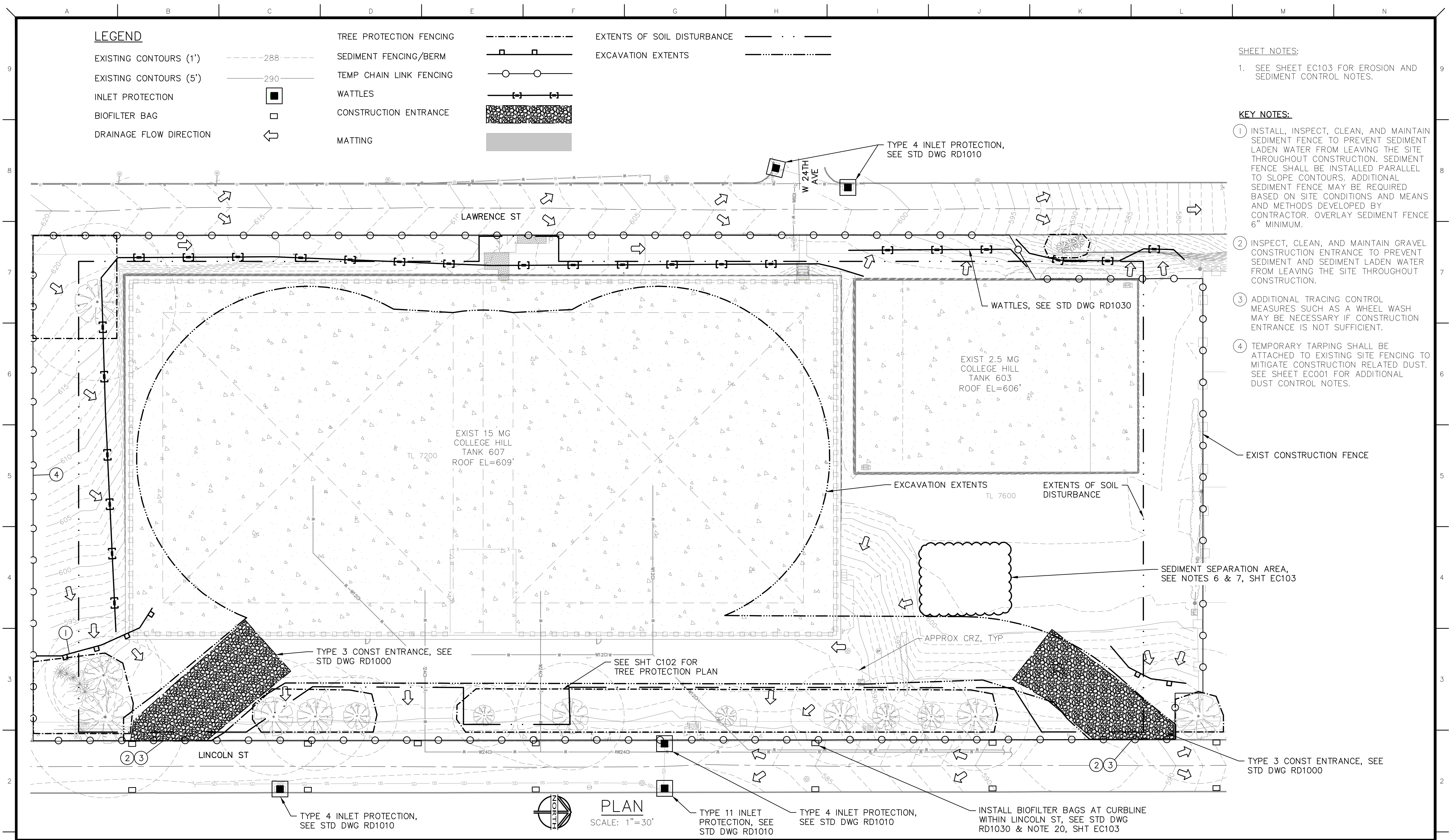
11/1/2024 5:50 PM NICK MCFADDIN

LEGEND

- EXISTING CONTOURS (1') 288
- EXISTING CONTOURS (5') 290
- INLET PROTECTION
- BIOFILTER BAG
- DRAINAGE FLOW DIRECTION
- TREE PROTECTION FENCING
- SEDIMENT FENCING/BERM
- TEMP CHAIN LINK FENCING
- WATTLES
- CONSTRUCTION ENTRANCE
- MATting
- EXTENTS OF SOIL DISTURBANCE
- EXCAVATION EXTENTS

- SHEET NOTES:**
1. SEE SHEET EC103 FOR EROSION AND SEDIMENT CONTROL NOTES.

- KEY NOTES:**
- 1) INSTALL, INSPECT, CLEAN, AND MAINTAIN SEDIMENT FENCE TO PREVENT SEDIMENT LADEN WATER FROM LEAVING THE SITE THROUGHOUT CONSTRUCTION. SEDIMENT FENCE SHALL BE INSTALLED PARALLEL TO SLOPE CONTOURS. ADDITIONAL SEDIMENT FENCE MAY BE REQUIRED BASED ON SITE CONDITIONS AND MEANS AND METHODS DEVELOPED BY CONTRACTOR. OVERLAY SEDIMENT FENCE 6" MINIMUM.
 - 2) INSPECT, CLEAN, AND MAINTAIN GRAVEL CONSTRUCTION ENTRANCE TO PREVENT SEDIMENT AND SEDIMENT LADEN WATER FROM LEAVING THE SITE THROUGHOUT CONSTRUCTION.
 - 3) ADDITIONAL TRACING CONTROL MEASURES SUCH AS A WHEEL WASH MAY BE NECESSARY IF CONSTRUCTION ENTRANCE IS NOT SUFFICIENT.
 - 4) TEMPORARY TARPING SHALL BE ATTACHED TO EXISTING SITE FENCING TO MITIGATE CONSTRUCTION RELATED DUST. SEE SHEET EC001 FOR ADDITIONAL DUST CONTROL NOTES.



PLAN
SCALE: 1"=30'

REV NO.	REV DATE	REVISION DESCRIPTION	DWN	STD	CHK	APP

ONE SW COLUMBIA STREET, SUITE 1700
PORTLAND, OREGON 97258
P 503.225.9010

REGISTERED PROFESSIONAL ENGINEER
101202PE
OBEROON SEPTEMBER 12, 2003
TAYLOR MADISON SPENCER
RENEWS 06-30-26

FUNC	BY	CHK	APP
DES	TMS	MLM	TPB
DWN	DKH		

STANDARDS CHECK

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2"=SCALE ACCORDINGLY)

**WATER DISTRIBUTION
COLLEGE HILL
7.5 MG STORAGE TANKS
DEMOLITION AND EXCAVATION
ESC PLAN PHASE 1 - DEMOLITION**

EWB WORK ORDER NO. W1855190R
SCALE: AS SHOWN
DATE: 04-05-2024
DWG NO. D-39811-EC101
PROJECT SHEET NO. 4 OF 12
REV 0

4/1/2024 5:26 PM NICK MCFADDIN

LEGEND

- EXISTING CONTOURS (1') -288
- EXISTING CONTOURS (5') -290
- INLET PROTECTION
- BIOFILTER BAG
- DRAINAGE FLOW DIRECTION

- TREE PROTECTION FENCING
- SEDIMENT FENCING/BERM
- TEMP CHAIN LINK FENCING
- WATTLES
- CONSTRUCTION ENTRANCE
- MATting

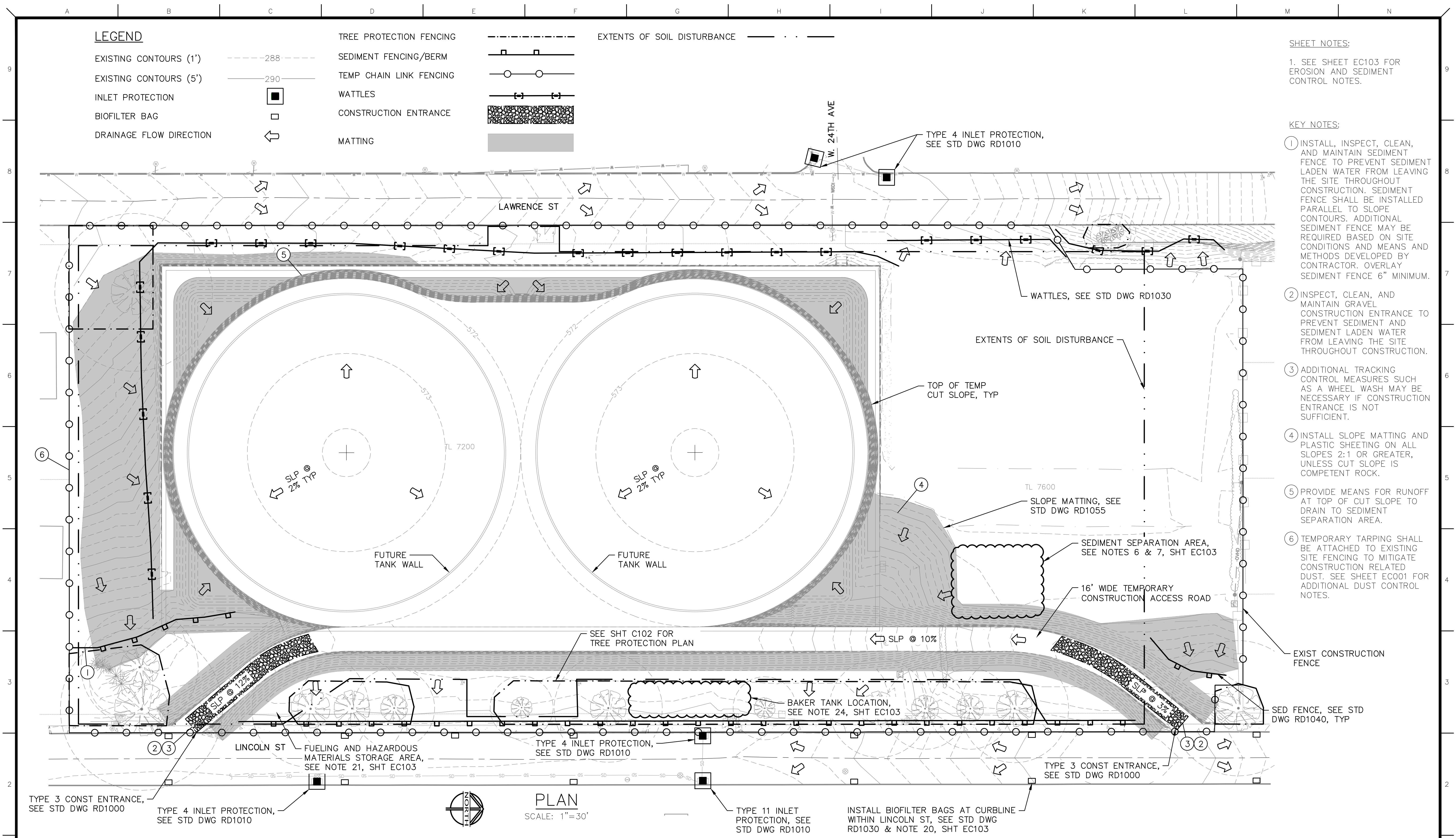
EXTENTS OF SOIL DISTURBANCE

SHEET NOTES:

1. SEE SHEET EC103 FOR EROSION AND SEDIMENT CONTROL NOTES.

KEY NOTES:

1. INSTALL, INSPECT, CLEAN, AND MAINTAIN SEDIMENT FENCE TO PREVENT SEDIMENT LADEN WATER FROM LEAVING THE SITE THROUGHOUT CONSTRUCTION. SEDIMENT FENCE SHALL BE INSTALLED PARALLEL TO SLOPE CONTOURS. ADDITIONAL SEDIMENT FENCE MAY BE REQUIRED BASED ON SITE CONDITIONS AND MEANS AND METHODS DEVELOPED BY CONTRACTOR. OVERLAY SEDIMENT FENCE 6" MINIMUM.
2. INSPECT, CLEAN, AND MAINTAIN GRAVEL CONSTRUCTION ENTRANCE TO PREVENT SEDIMENT AND SEDIMENT LADEN WATER FROM LEAVING THE SITE THROUGHOUT CONSTRUCTION.
3. ADDITIONAL TRACKING CONTROL MEASURES SUCH AS A WHEEL WASH MAY BE NECESSARY IF CONSTRUCTION ENTRANCE IS NOT SUFFICIENT.
4. INSTALL SLOPE MATTING AND PLASTIC SHEETING ON ALL SLOPES 2:1 OR GREATER, UNLESS CUT SLOPE IS COMPETENT ROCK.
5. PROVIDE MEANS FOR RUNOFF AT TOP OF CUT SLOPE TO DRAIN TO SEDIMENT SEPARATION AREA.
6. TEMPORARY TARPING SHALL BE ATTACHED TO EXISTING SITE FENCING TO MITIGATE CONSTRUCTION RELATED DUST. SEE SHEET EC001 FOR ADDITIONAL DUST CONTROL NOTES.



PLAN
SCALE: 1"=30'



REV NO.	REV DATE	REVISION DESCRIPTION	DWN	STD	CHK	APP

ONE SW COLUMBIA STREET, SUITE 1700
PORTLAND, OREGON 97258
P 503.225.9010

REGISTERED PROFESSIONAL ENGINEER
101202PE
TAYLOR MADISON SPENCER
RENEWS 06-30-26

EWEB

FUNC	BY	CHK	APP
DES	TMS	MLM	TPB
DWN	DKH		
STANDARDS CHECK			
LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" SCALE ACCORDINGLY)			

WATER DISTRIBUTION
COLLEGE HILL
7.5 MG STORAGE TANKS
DEMOLITION AND EXCAVATION
ESC PLAN PHASE 2 - EXCAVATION AND FINAL STABILIZATION

EWB WORK ORDER NO. W1855190R	SCALE: AS SHOWN
DATE: 04-05-2024	DWG NO.: D-39811-EC102
PROJECT SHEET NO.: 5 OF 12	REV: 0

EROSION AND SEDIMENT CONTROL NOTES

1. ALL BASE ESC MEASURES (INLET PROTECTION, PERIMETER SEDIMENT CONTROL, GRAVEL CONSTRUCTION ENTRANCES, ETC.) MUST BE IN PLACE, FUNCTIONAL, AND APPROVED IN AN INITIAL INSPECTION, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES. BASIC ESC MEASURES TO REMAIN IN PLACE AFTER COMPLETION OF MASS EXCAVATION WORK.
2. HAZARDOUS MATERIALS, SUCH AS BUT NOT LIMITED TO PAINTS, GASOLINE, AND CONCRETE CURING AGENTS SHALL BE STORED WITHIN A CONTAINMENT DEVICE AND/OR STRUCTURE FOR ACCIDENTAL SPILLS AND HAVE ENOUGH CAPACITY TO CAPTURE A MINIMUM OF 110 PERCENT OF THE PRODUCT'S LARGEST CONTAINER OR 10 PERCENT OF THE TOTAL VOLUME OF PRODUCT STORED, WHICHEVER IS LARGER.
3. ALL "SEDIMENT BARRIERS SHOWN ON THESE PLANS (TO BE INSTALLED AFTER COMPLETION OF EACH CONSTRUCTION PHASE)" SHALL BE MAINTAINED BY TANK CONTRACTOR THROUGHOUT THE DURATION OF CONSTRUCTION.
4. LONG TERM SLOPE STABILIZATION MEASURES "INCLUDING SEEDING, JUTE MATTING, WATTLES, AND ROCK CHECK DAMS" SHALL BE IN-PLACE OVER ALL EXPOSED SOILS BY OCTOBER 1.
5. INSTALL AND MAINTAIN CRUSHED ROCK HAUL ROUTES AS REQUIRED THROUGHOUT THE SITE TO PREVENT TRACKING ONTO LINCOLN STREET.
6. SITE STORMWATER SHALL BE ROUTED TO A SEDIMENT SEPARATION CONTAINER PRIOR TO DISCHARGING FROM THE PROPERTY, THROUGH A LEVEL SPREADER, OR OTHER APPROVED METHOD OF DISCHARGE. CONTRACTOR SHALL PROVIDE A STAMPED DEWATERING PLAN FOR REVIEW BY THE ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES. IT SHALL INCLUDE A PLANNED TREATMENT METHOD AND TESTING FREQUENCY AND AN ALTERNATIVE MEANS FOR WATER THAT DOES NOT MEET QUALITY REQUIREMENTS FOR DISCHARGE TO THE CITY STORMWATER SYSTEM.
7. LOCATION OF SEDIMENT SEPARATION AREA IS CONCEPTUAL. FINAL LOCATION TO BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
8. SEED USED FOR TEMPORARY OR PERMANENT SEEDING SHALL ADHERE TO THE SPECIFICATIONS, UNLESS OTHERWISE AUTHORIZED.
9. SLOPES AND DISTURBED AREAS TO RECEIVE TEMPORARY OR PERMANENT SEEDING SHALL HAVE THE SURFACE ROUGHENED BY MEANS OF TRACK-WALKING OR THE USE OF OTHER APPROVED IMPLEMENTS. SURFACE ROUGHENING IMPROVES SEED BEDDING AND REDUCES RUN-OFF VELOCITY.
10. LONG TERM SLOPE AND DISTURBED AREAS STABILIZATION MEASURES SHALL INCLUDE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER VIA SEEDING WITH APPROVED MIX AND APPLICATION RATE. SEE SPECIFICATIONS. IN ADDITION, ALL SLOPES OF 2:1 OR GREATER SHALL RECEIVE MATTING.
11. TEMPORARY SLOPE AND DISTURBED AREAS STABILIZATION MEASURES SHALL BE ACCOMPLISHED BY: COVERING EXPOSED SOIL WITH PLASTIC SHEETING, IN ACCORDANCE WITH SECTION 31 22 13, ROUGH GRADING.
12. STOCKPILED SOIL OR STRIPPINGS SHALL BE HAULED OFFSITE. DURING "WET WEATHER" PERIODS, STOCKPILES SHALL BE COVERED WITH PLASTIC SHEETING OR STRAW MULCH. SEDIMENT FENCE IS REQUIRED AROUND THE PERIMETER OF THE STOCKPILE.
13. EXPOSED CUT OR FILL AREAS SHALL BE STABILIZED THROUGH THE USE OF TEMPORARY SEEDING AND MULCHING, EROSION CONTROL BLANKETS OR MATS, MID-SLOPE SEDIMENT FENCES OR WATTLES, OR OTHER APPROPRIATE MEASURES. SLOPES EXCEEDING 25% MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES.
14. AREAS SUBJECT TO WIND EROSION SHALL USE APPROPRIATE DUST CONTROL MEASURES INCLUDING THE APPLICATION OF A FINE SPRAY OF WATER, PLASTIC SHEETING, STRAW MULCHING, OR OTHER APPROVED MEASURES.
15. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, TIRE WASHES, STREET SWEEPING, AND VACUUMING MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS IN THE VICINITY OF THE SITE USED FOR HAULING SOIL ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
16. ACTIVE INLETS TO STORM WATER SYSTEMS SHALL BE PROTECTED THROUGH THE USE OF APPROVED INLET PROTECTION MEASURES. ALL INLET PROTECTION MEASURES ARE TO BE REGULARLY INSPECTED AND MAINTAINED AS NEEDED.
17. SATURATED MATERIALS THAT ARE HAULED OFF-SITE MUST BE TRANSPORTED IN WATER-TIGHT TRUCKS TO ELIMINATE SPILLAGE OF SEDIMENT AND SEDIMENT-LADEN WATER.
18. AN AREA SHALL BE PROVIDED FOR THE WASHING OUT OF CONCRETE TRUCKS IN A LOCATION THAT DOES NOT PROVIDE RUN-OFF THAT CAN ENTER THE STORM WATER SYSTEM. IF THE CONCRETE WASH-OUT AREA CAN NOT BE CONSTRUCTED GREATER THAN 50' FROM ANY DISCHARGE POINT, SECONDARY MEASURES SUCH AS BERM OR TEMPORARY SETTLING PITS MAY BE REQUIRED. THE WASH-OUT SHALL BE LOCATED WITHIN SIX FEET OF TRUCK ACCESS AND BE CLEANED WHEN IT REACHES 50% OF THE CAPACITY.
19. USE BMPS SUCH AS CHECK-DAMS, BERMS, AND INLET PROTECTION TO PREVENT RUN-OFF FROM REACHING DISCHARGE POINTS.
20. INSTALL BIOBAGS ON DOWN-GRADIENT SIDE OF INLETS WITHIN LINCOLN STREET DUE TO STEEP GRADE. SECURE BIOBAGS AT CURB LINE AND ADJACENT TO INLETS WITH SANDBAGS OR GRAVEL BAGS.
21. ENTRY INTO THE TREE PROTECTION AREAS IS PROHIBITED EXCEPT BY THE PROJECT ARBORIST UNLESS THROUGH WRITTEN PERMISSION OF THE PROJECT ARBORIST. NO VEHICLE, HEAVY EQUIPMENT, OR REPEATED FOOT TRAFFIC SHALL BE ALLOWED WITHIN TREE PROTECTION AREAS. STORAGE OF MATERIALS INCLUDING, BUT NOT LIMITED TO, SOIL, CONSTRUCTION MATERIAL, OR WASTE FROM THE SITE WILL NOT BE ALLOWED WITHIN THE TREE PROTECTION ZONE.
22. HAUL ROUTE SHALL BE DESIGNATED BY CONTRACTOR AND APPROVED BY ENGINEER PRIOR TO EXCAVATION CUT ACTIVITIES. ALL EXCAVATED MATERIALS SHALL BE HAULED OFFSITE.
23. EMERGENCY EROSION CONTROL MATERIALS MUST BE KEPT ON SITE AT ALL TIMES.
24. PONDING WATER SHALL BE PUMPED TO A SEDIMENT SEPARATION CONTAINER PRIOR TO DISCHARGING TO STORM FACILITIES ON LINCOLN STREET. DISCHARGE RATE SHALL NOT EXCEED DOWNSTREAM STORM CAPACITY EQUAL TO 10 GPM. CONTRACTOR SHALL PREPARE DEWATERING AND TURBIDITY CONTROL PLAN FOR REVIEW AND APPROVAL BY CITY OF EUGENE. PLAN SHALL BE APPROVED BEFORE START OF EARTH DISTURBING WORK ACTIVITY. WATER MANAGEMENT SYSTEM SHALL BE IN PLACE PRIOR TO ONSET OF WET WEATHER.

4/1/2024 5:27 PM NICK MCFADDIN

REV NO.	REV DATE	REVISION DESCRIPTION	DWN	STD	CHK	APP



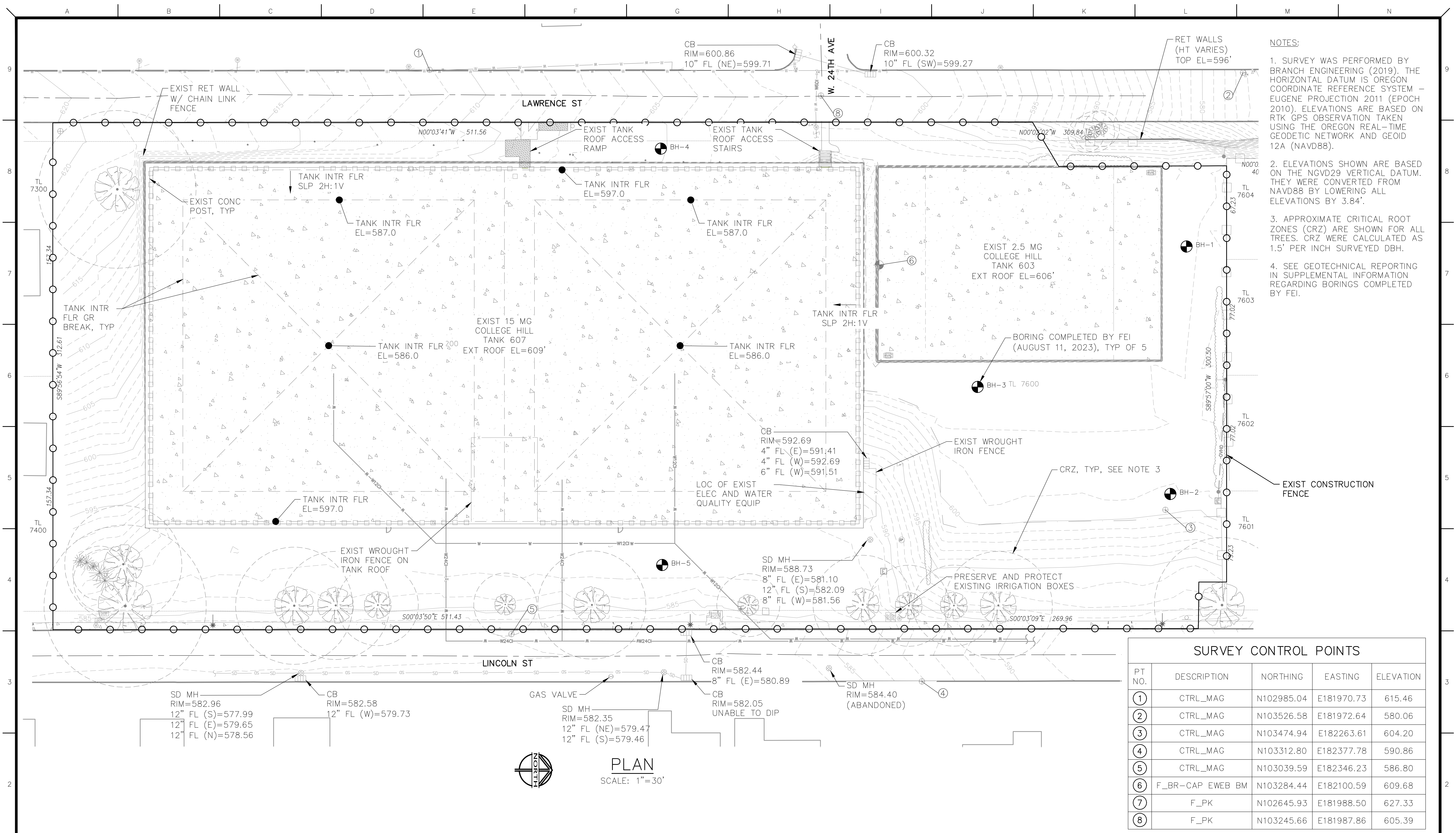
ONE SW COLUMBIA STREET, SUITE 1700
 PORTLAND, OREGON 97258
 P 503.225.9010



FUNC	BY	CHK	APP
DES	TMS	MLM	TPB
DWN	DKH		
STANDARDS CHECK			
LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" = SCALE ACCORDINGLY)			

WATER DISTRIBUTION
COLLEGE HILL
7.5 MG STORAGE TANKS
DEMOLITION AND EXCAVATION
ESC NOTES

EWEB WORK ORDER NO. W185519OR	
SCALE: AS SHOWN	
DATE: 04-05-2024	
DWC NO. D-39811-EC103	
PROJECT SHEET NO. 6 OF 12	REV 0



- NOTES:**
1. SURVEY WAS PERFORMED BY BRANCH ENGINEERING (2019). THE HORIZONTAL DATUM IS OREGON COORDINATE REFERENCE SYSTEM – EUGENE PROJECTION 2011 (EPOCH 2010). ELEVATIONS ARE BASED ON RTK GPS OBSERVATION TAKEN USING THE OREGON REAL-TIME GEODETIC NETWORK AND GEOID 12A (NAVD88).
 2. ELEVATIONS SHOWN ARE BASED ON THE NGVD29 VERTICAL DATUM. THEY WERE CONVERTED FROM NAVD88 BY LOWERING ALL ELEVATIONS BY 3.84'.
 3. APPROXIMATE CRITICAL ROOT ZONES (CRZ) ARE SHOWN FOR ALL TREES. CRZ WERE CALCULATED AS 1.5' PER INCH SURVEYED DBH.
 4. SEE GEOTECHNICAL REPORTING IN SUPPLEMENTAL INFORMATION REGARDING BORINGS COMPLETED BY FEI.

SURVEY CONTROL POINTS				
PT NO.	DESCRIPTION	NORTHING	EASTING	ELEVATION
①	CTRL_MAG	N102985.04	E181970.73	615.46
②	CTRL_MAG	N103526.58	E181972.64	580.06
③	CTRL_MAG	N103474.94	E182263.61	604.20
④	CTRL_MAG	N103312.80	E182377.78	590.86
⑤	CTRL_MAG	N103039.59	E182346.23	586.80
⑥	F_BR-CAP EWEB BM	N103284.44	E182100.59	609.68
⑦	F_PK	N102645.93	E181988.50	627.33
⑧	F_PK	N103245.66	E181987.86	605.39

PLAN
SCALE: 1"=30'

REV NO.	REV DATE	REVISION DESCRIPTION	DWN	STD	CHK	APP

consor
ONE SW COLUMBIA STREET, SUITE 1700
PORTLAND, OREGON 97258
P. 503.225.9010

REGISTERED PROFESSIONAL ENGINEER
101202PE
TAYLOR MADISON SPENCER
RENEWS 06-30-26

EWEB

FUNC	BY	CHK	APP
DES	TMS	MLM	TPB
DWN	DKH		

STANDARDS CHECK

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" SCALE ACCORDINGLY)

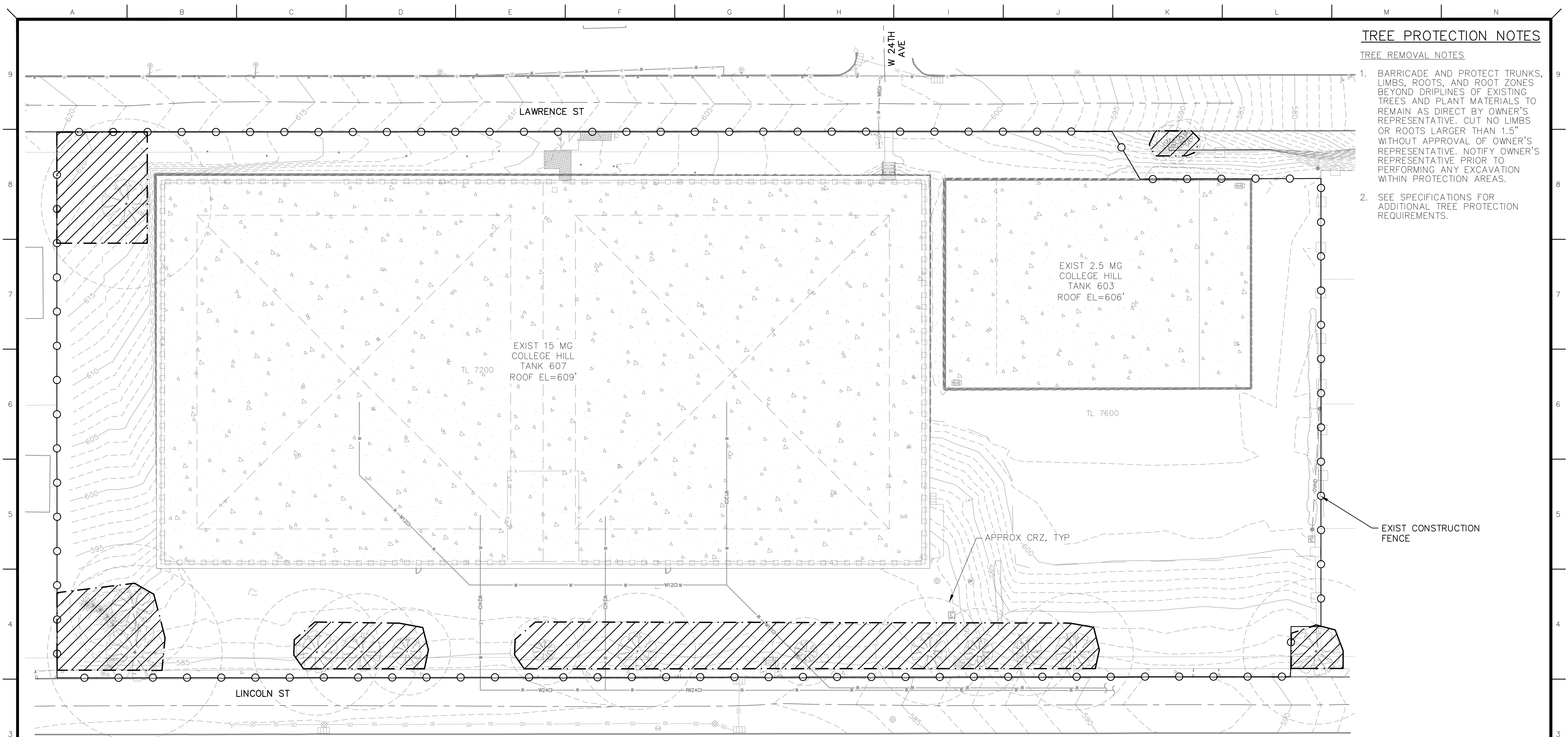
**WATER DISTRIBUTION
COLLEGE HILL
7.5 MG STORAGE TANKS
DEMOLITION AND EXCAVATION
EXISTING CONDITIONS PLAN**

EWEB WORK ORDER NO. W1855190R	SCALE: AS SHOWN
DATE: 04-05-2024	DWC NO. D-39811-C101
PROJECT SHEET NO. 7 OF 12	REV 0

TREE PROTECTION NOTES

TREE REMOVAL NOTES

1. BARRICADE AND PROTECT TRUNKS, LIMBS, ROOTS, AND ROOT ZONES BEYOND DRIPLINES OF EXISTING TREES AND PLANT MATERIALS TO REMAIN AS DIRECT BY OWNER'S REPRESENTATIVE. CUT NO LIMBS OR ROOTS LARGER THAN 1.5" WITHOUT APPROVAL OF OWNER'S REPRESENTATIVE. NOTIFY OWNER'S REPRESENTATIVE PRIOR TO PERFORMING ANY EXCAVATION WITHIN PROTECTION AREAS.
2. SEE SPECIFICATIONS FOR ADDITIONAL TREE PROTECTION REQUIREMENTS.



- LEGEND**
- /// TREE PROTECTION ZONE
 - - - TREE PROTECTION FENCING
 - WORK LIMITS/EXIST CONSTRUCTION FENCE

PLAN
SCALE: 1"=30'

REV NO.	REV DATE	REVISION DESCRIPTION	DWN	STD	CHK	APP

consor
ONE SW COLUMBIA STREET, SUITE 1700
PORTLAND, OREGON 97258
P 503.225.9010

REGISTERED PROFESSIONAL ENGINEER
101202PE
TAYLOR MADISON SPENCER
RENEWS 06-30-26

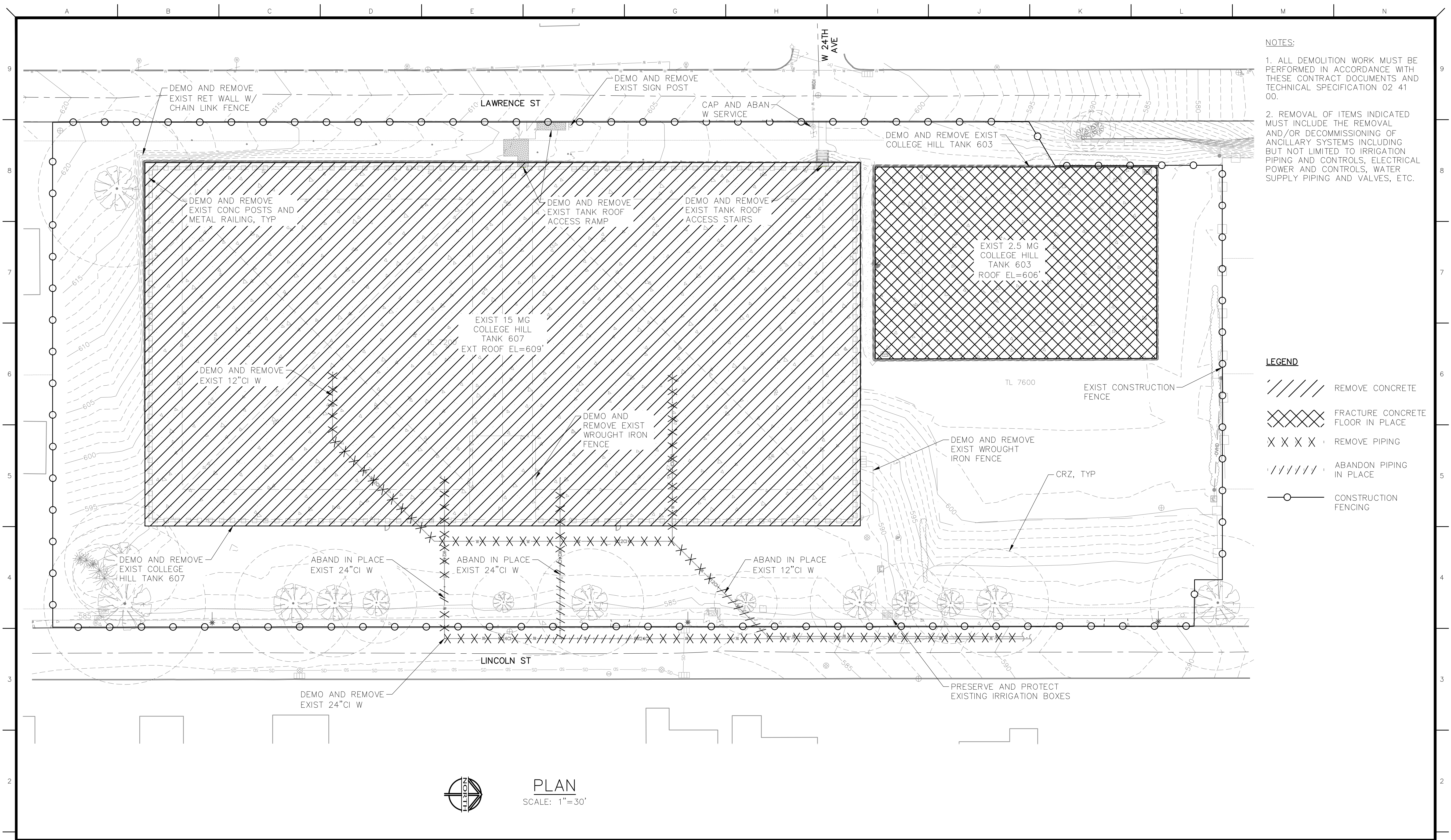
EWEB

FUNC	BY	CHK	APP
DES	TMS	MLM	TPB
DWN	DKH		
STANDARDS CHECK			
LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" SCALE ACCORDINGLY)			

WATER DISTRIBUTION COLLEGE HILL 7.5 MG STORAGE TANKS DEMOLITION AND EXCAVATION TREE PROTECTION PLAN

EWB WORK ORDER NO. W185519OR
SCALE: AS SHOWN
DATE: 04-05-2024
DWC NO. D-39811-C102
PROJECT SHEET NO. 8 OF 12
REV 0

4/1/2024 5:27 PM NICK MCFADDIN



NOTES:

1. ALL DEMOLITION WORK MUST BE PERFORMED IN ACCORDANCE WITH THESE CONTRACT DOCUMENTS AND TECHNICAL SPECIFICATION 02 41 00.
2. REMOVAL OF ITEMS INDICATED MUST INCLUDE THE REMOVAL AND/OR DECOMMISSIONING OF ANCILLARY SYSTEMS INCLUDING BUT NOT LIMITED TO IRRIGATION PIPING AND CONTROLS, ELECTRICAL POWER AND CONTROLS, WATER SUPPLY PIPING AND VALVES, ETC.

LEGEND

- REMOVE CONCRETE
- FRACTURE CONCRETE FLOOR IN PLACE
- REMOVE PIPING
- ABANDON PIPING IN PLACE
- CONSTRUCTION FENCING

PLAN
SCALE: 1"=30'

REV NO.	REV DATE	REVISION DESCRIPTION	DWN	STD	CHK	APP

ONE SW COLUMBIA STREET, SUITE 1700
PORTLAND, OREGON 97258
P 503.225.9010

REGISTERED PROFESSIONAL ENGINEER
1012022PE
TAYLOR MADISON SPENCER
RENEWS 06-30-26

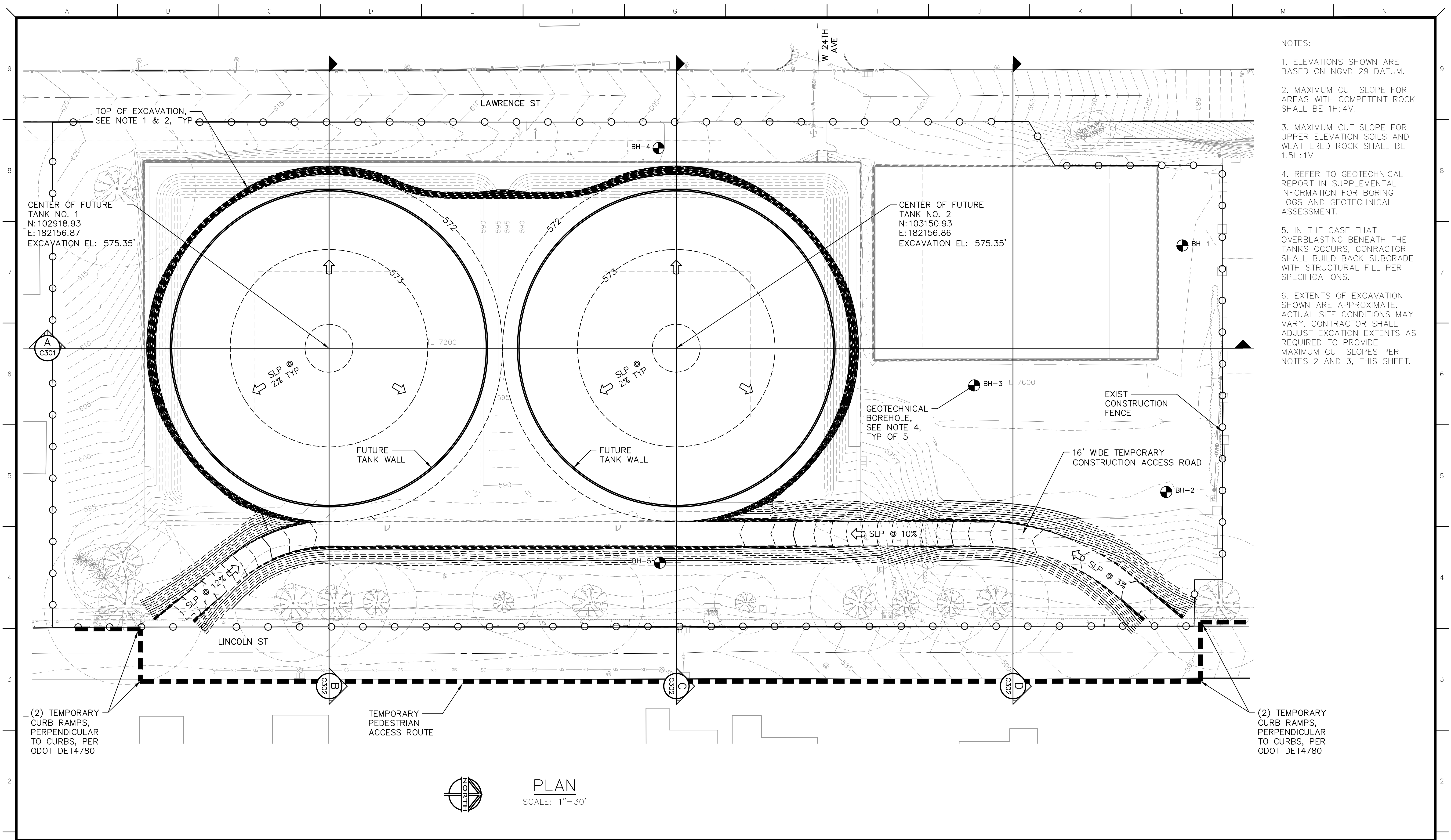
EWEB

FUNC	BY	CHK	APP
DES	TMS	MLM	TPB
DWN	DKH		
STANDARDS CHECK			
LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" SCALE ACCORDINGLY)			

WATER DISTRIBUTION
COLLEGE HILL
7.5 MG STORAGE TANKS
DEMOLITION AND EXCAVATION
DEMOLITION PLAN

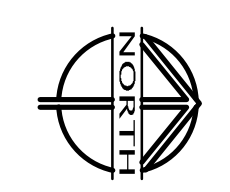
EWB WORK ORDER NO. W1855190R	SCALE: AS SHOWN
DATE: 04-05-2024	DWC NO. D-39811-C103
PROJECT SHEET NO. 9 OF 12	REV 0

4/1/2024 5:27 PM NICK MCFADDIN



- NOTES:**
- ELEVATIONS SHOWN ARE BASED ON NGVD 29 DATUM.
 - MAXIMUM CUT SLOPE FOR AREAS WITH COMPETENT ROCK SHALL BE 1H:4V.
 - MAXIMUM CUT SLOPE FOR UPPER ELEVATION SOILS AND WEATHERED ROCK SHALL BE 1.5H:1V.
 - REFER TO GEOTECHNICAL REPORT IN SUPPLEMENTAL INFORMATION FOR BORING LOGS AND GEOTECHNICAL ASSESSMENT.
 - IN THE CASE THAT OVERBLASTING BENEATH THE TANKS OCCURS, CONTRACTOR SHALL BUILD BACK SUBGRADE WITH STRUCTURAL FILL PER SPECIFICATIONS.
 - EXTENTS OF EXCAVATION SHOWN ARE APPROXIMATE. ACTUAL SITE CONDITIONS MAY VARY. CONTRACTOR SHALL ADJUST EXCAVATION EXTENTS AS REQUIRED TO PROVIDE MAXIMUM CUT SLOPES PER NOTES 2 AND 3, THIS SHEET.

PLAN
SCALE: 1"=30'



REV NO.	REV DATE	REVISION DESCRIPTION	DWN	STD	CHK	APP

consor
ONE SW COLUMBIA STREET, SUITE 1700
PORTLAND, OREGON 97258
P 503.225.9010

REGISTERED PROFESSIONAL ENGINEER
NO. 101202PE
OREGON
SEPTEMBER 12, 2003
TAYLOR MADISON SPENCER
RENEWS 06-30-26

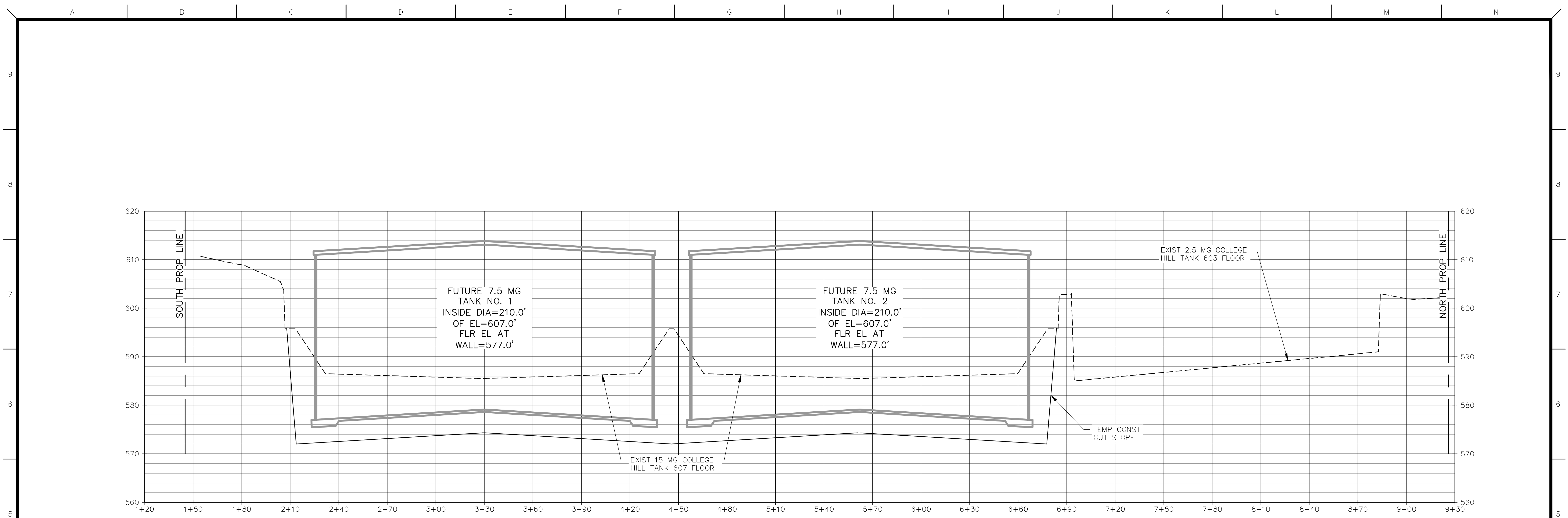
EWEB

FUNC	BY	CHK	APP
DES	TMS	MLM	TPB
DWN	DKH		
STANDARDS CHECK			
LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" SCALE ACCORDINGLY)			

**WATER DISTRIBUTION
COLLEGE HILL
7.5 MG STORAGE TANKS
DEMOLITION AND EXCAVATION
CONCEPTUAL EXCAVATION PLAN**

EWB WORK ORDER NO. W1855190R	SCALE: AS SHOWN
DATE: 04-05-2024	DWC NO. D-39811-C104
PROJECT SHEET NO. 10 OF 12	REV 0

4/1/2024 5:52 PM NICK MCFADDIN




GRADING SECTION **A**
 SCALE: 1"=30' HORIZ 1"=10' VERT
 C104

REV NO.	REV DATE	REVISION DESCRIPTION	DWN	STD	CHK	APP



ONE SW COLUMBIA STREET, SUITE 1700
 PORTLAND, OREGON 97258
 P 503.225.9010

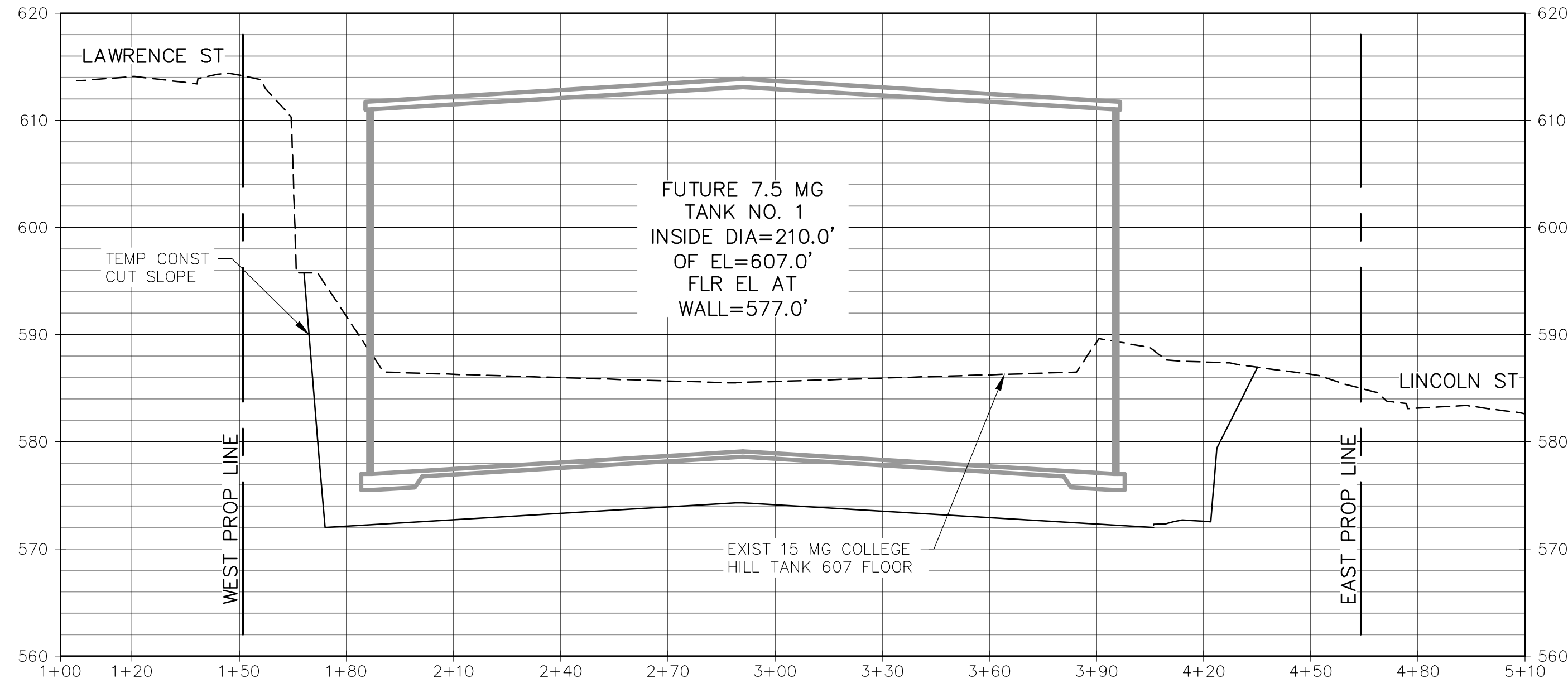



FUNC	BY	CHK	APP
DES	TMS	MLM	TPB
DWN	DKH		
STANDARDS CHECK			
LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)			

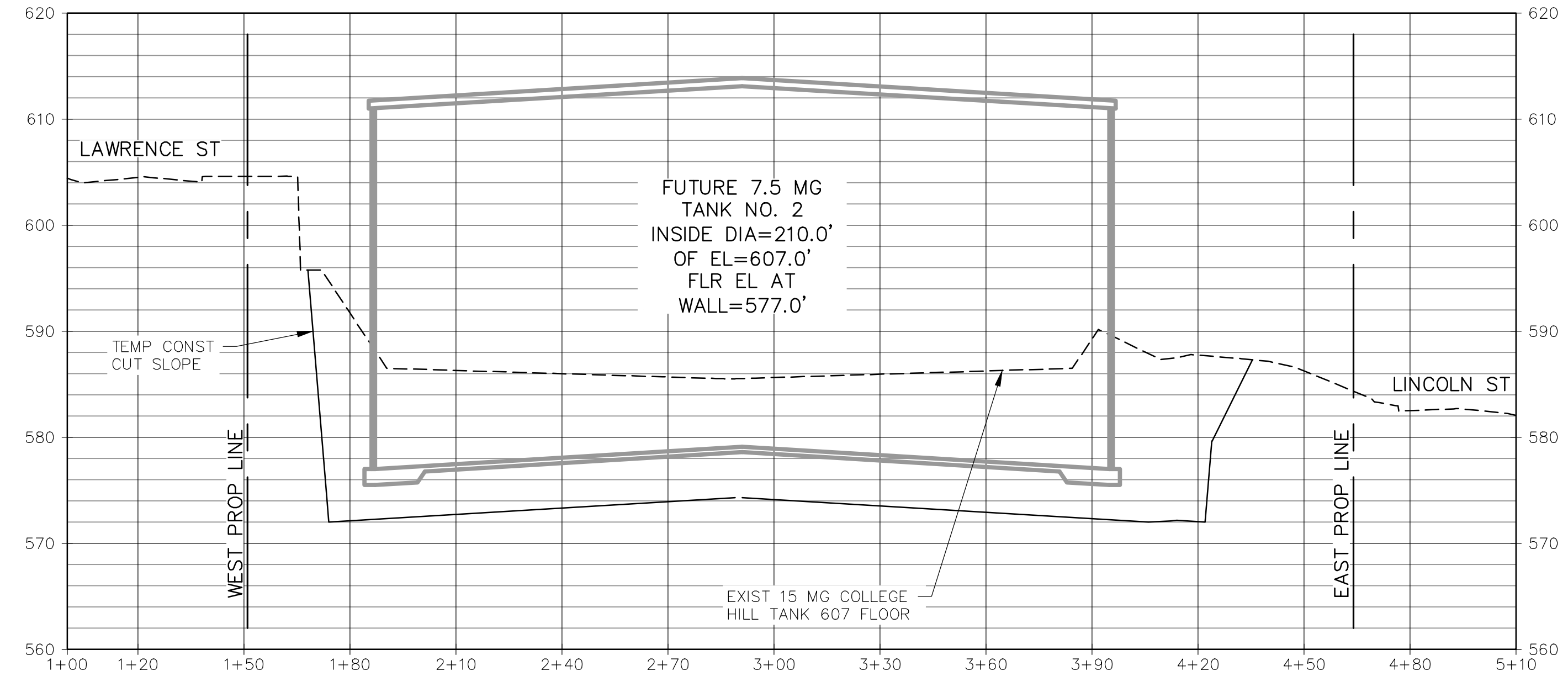
WATER DISTRIBUTION
 COLLEGE HILL
 7.5 MG STORAGE TANKS
 DEMOLITION AND EXCAVATION
 SITE GRADING SECTIONS - 1

EWEB WORK ORDER NO. W1855190R	
SCALE: AS SHOWN	
DATE: 04-05-2024	
DWC NO. D-39811-C301	
PROJECT SHEET NO. 11 OF 12	REV 0

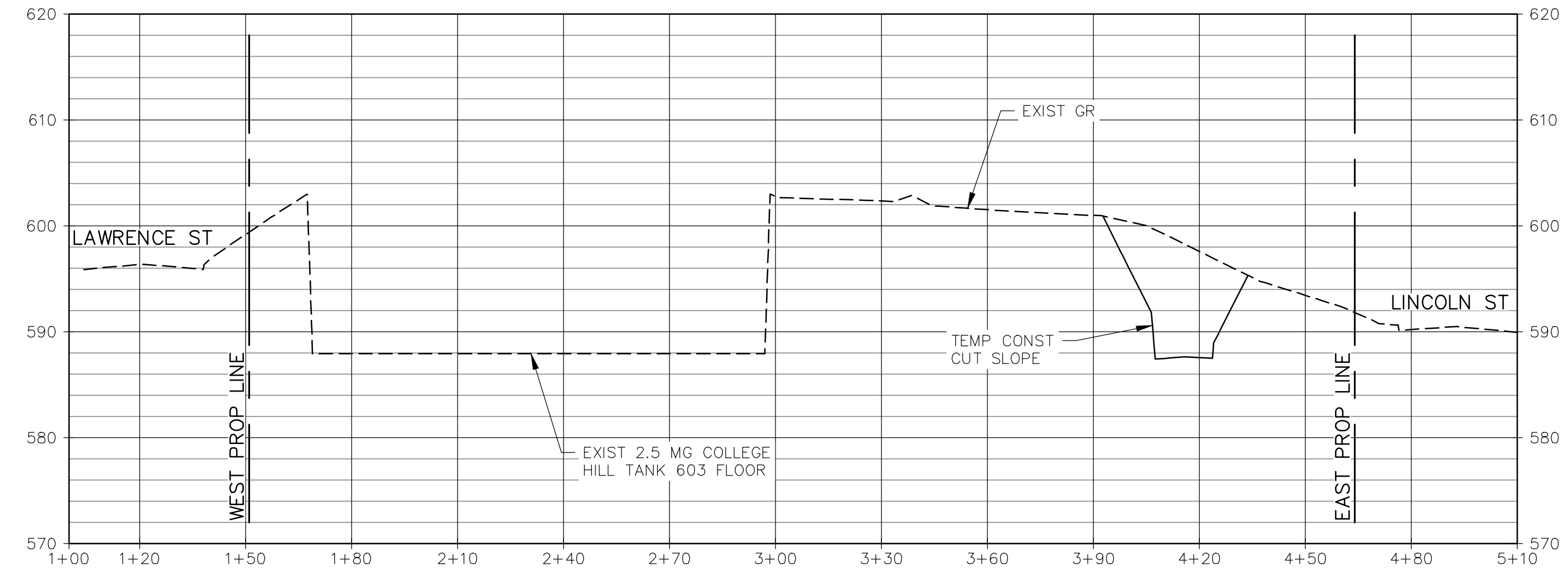
4/1/2024 5:27 PM NICK MCFADDIN



GRADING SECTION **B**
SCALE: 1"=30' HORIZ 1"=10' VERT C104



GRADING SECTION **C**
SCALE: 1"=30' HORIZ 1"=10' VERT C104



GRADING SECTION **D**
SCALE: 1"=30' HORIZ 1"=10' VERT C104

REV NO.	REV DATE	REVISION DESCRIPTION	DWN	STD	CHK	APP

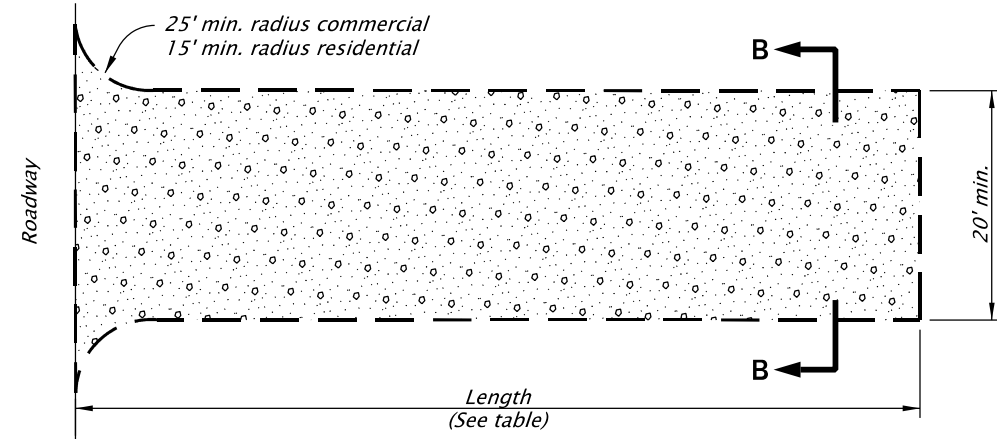


FUNC	BY	CHK	APP
DES	TMS	MLM	TPB
DWN	DKH		
STANDARDS CHECK			
LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" SCALE ACCORDINGLY)			

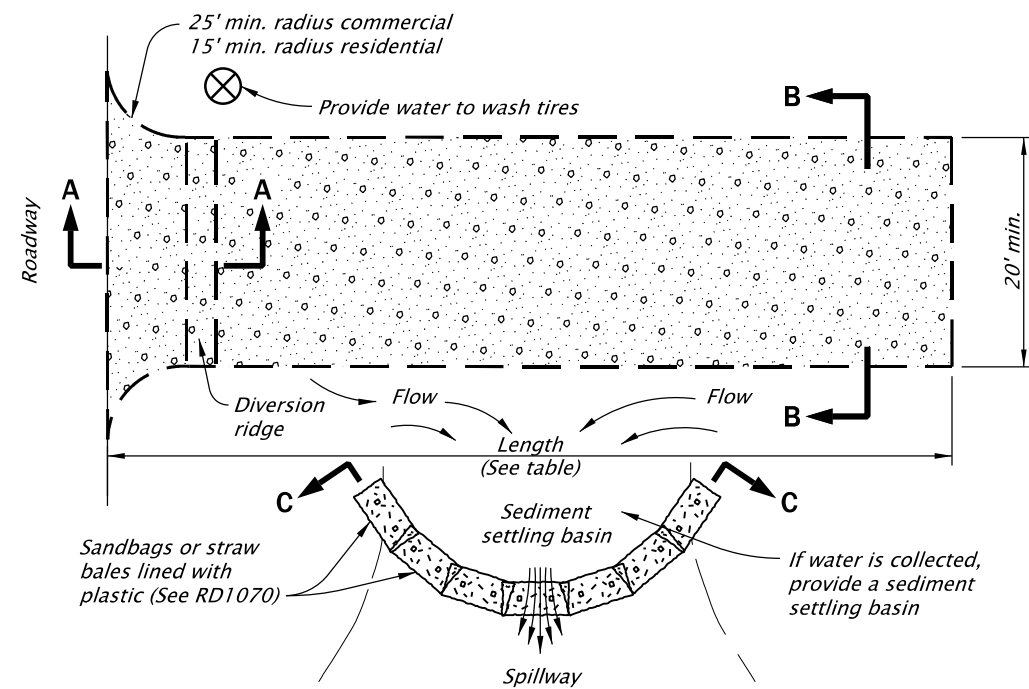
WATER DISTRIBUTION
COLLEGE HILL
7.5 MG STORAGE TANKS
DEMOLITION AND EXCAVATION
SITE GRADING SECTIONS - 2

EWB WORK ORDER NO. W185519OR
SCALE: AS SHOWN
DATE: 04-05-2024
DWG NO. D-39811-C302
PROJECT SHEET NO. 12 OF 12
REV 0

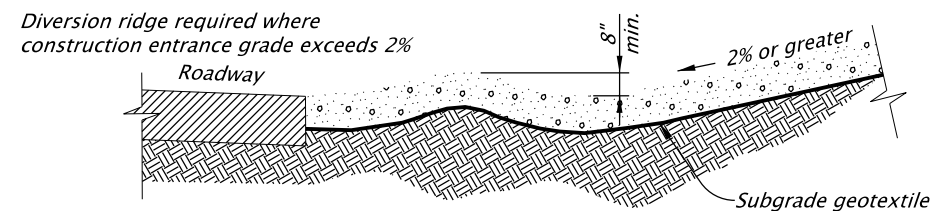
4/1/2024 5:38 PM NICK MCFADDIN



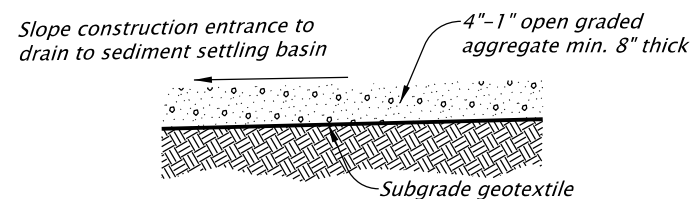
CONSTRUCTION ENTRANCE - TYPE 1
NOT TO SCALE



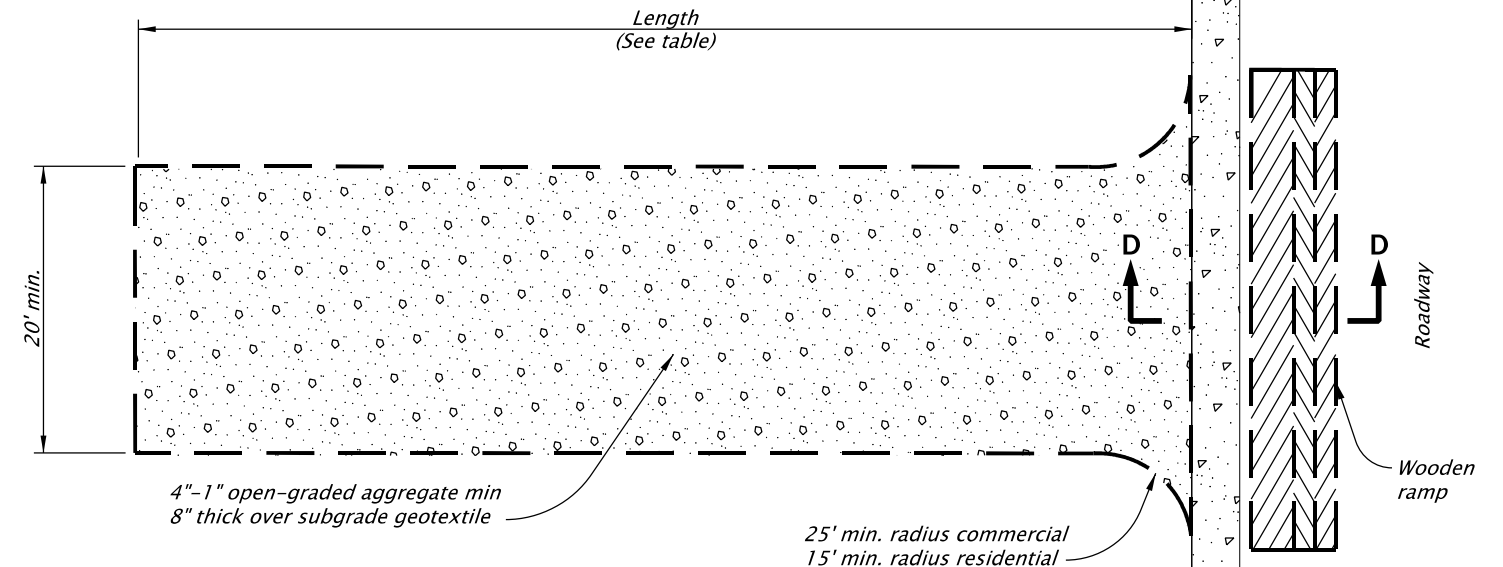
CONSTRUCTION ENTRANCE - TYPE 2
NOT TO SCALE



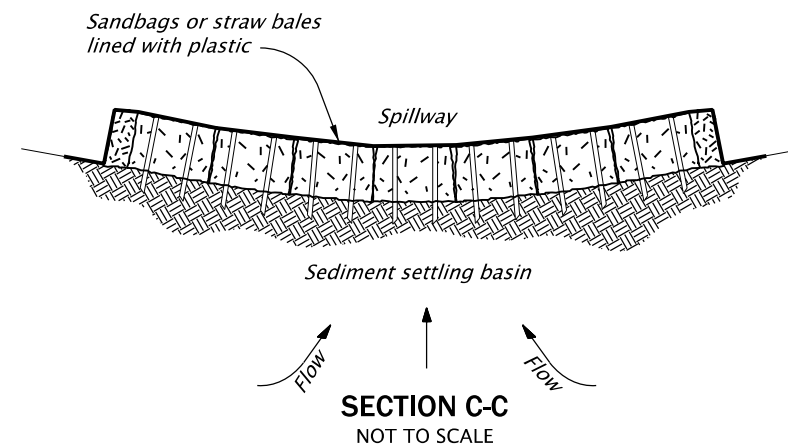
SECTION A-A
NOT TO SCALE



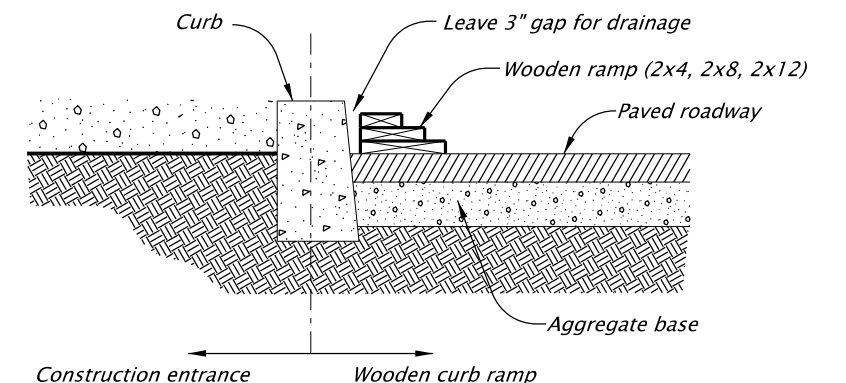
SECTION B-B
NOT TO SCALE



CONSTRUCTION ENTRANCE - TYPE 3
(TYPE 1 OR 2 WITH EXISTING CURB)
NOT TO SCALE



SECTION C-C
NOT TO SCALE



WOODEN CURB RAMP SECTION D-D
NOT TO SCALE

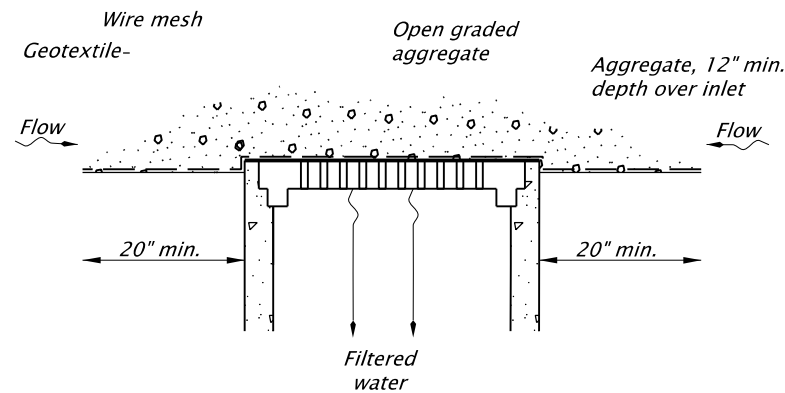
NOTES:

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.

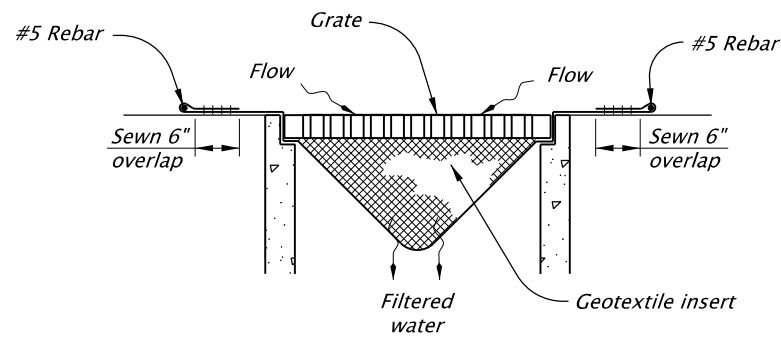
CONSTRUCTION ENTRANCE TABLE MINIMUM LENGTH	
Length (FT)	Area Of Exposed Soil (Acre)
20	0.25
50	0.25 < A < 1.0
100	A > 1.0

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.

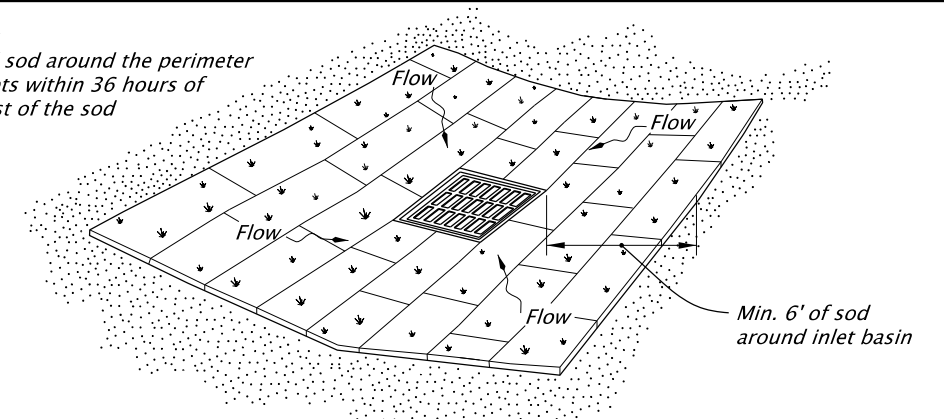


GEOTEXTILE/WIRE MESH/AGGREGATE - TYPE 2
NOT TO SCALE

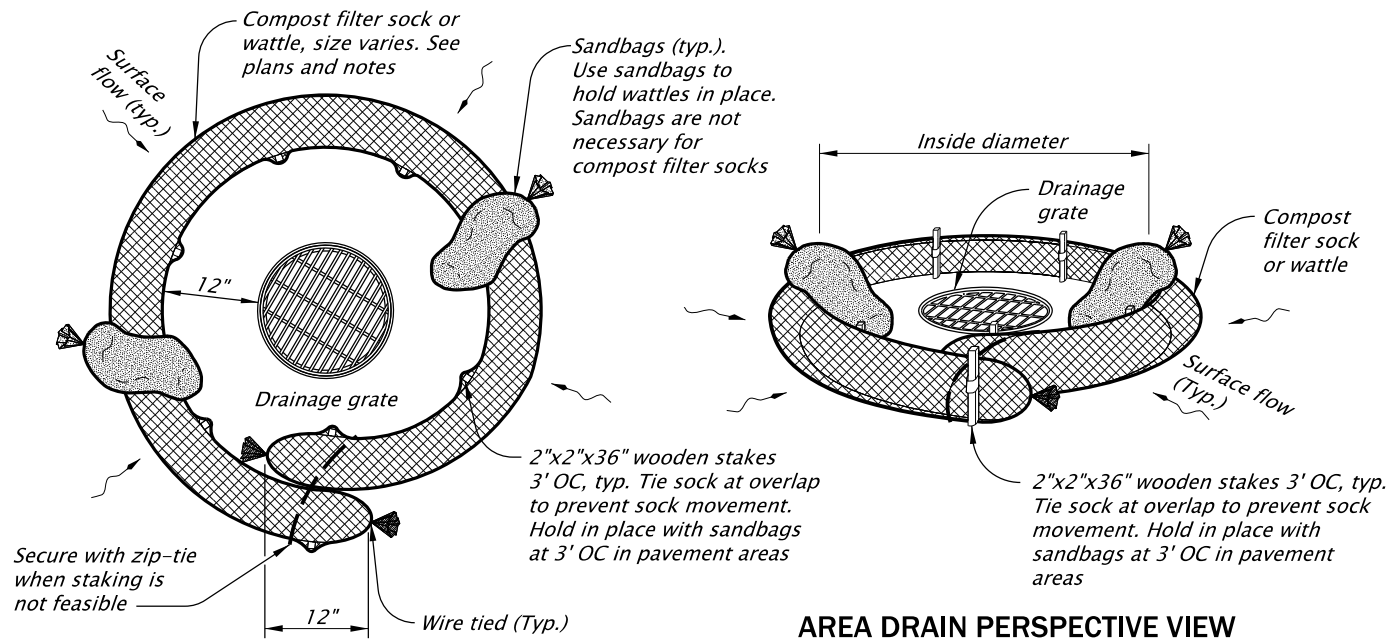


PREFABRICATED FILTER INSERT - TYPE 3
NOT TO SCALE

NOTE:
Install sod around the perimeter
of inlets within 36 hours of
harvest of the sod

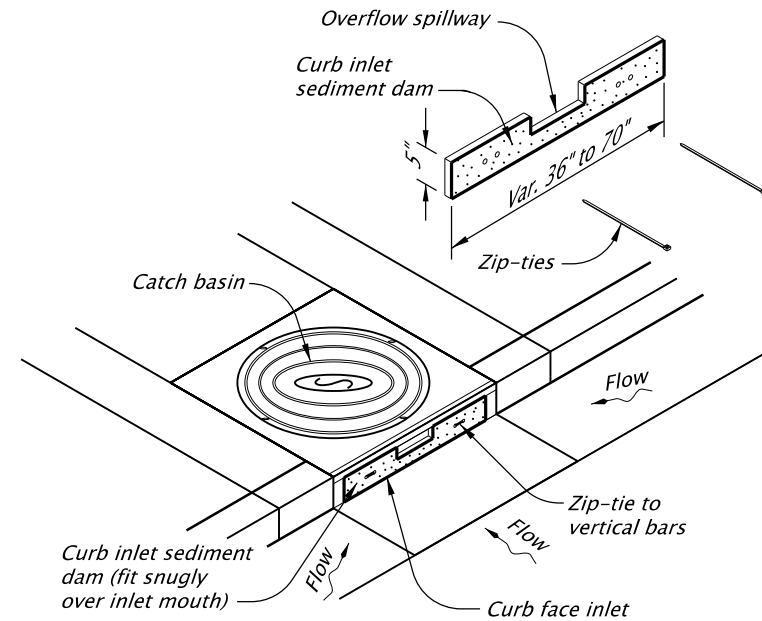


SOD PROTECTION - TYPE 6
NOT TO SCALE

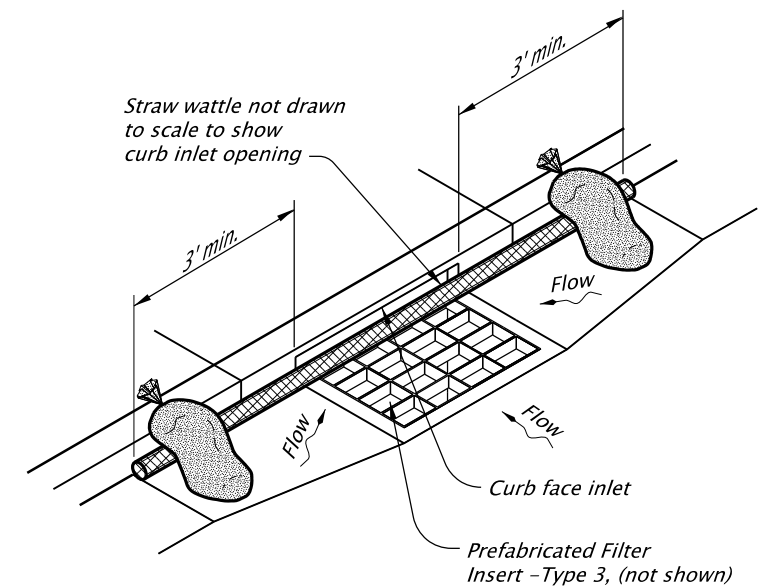


AREA DRAIN PLAN

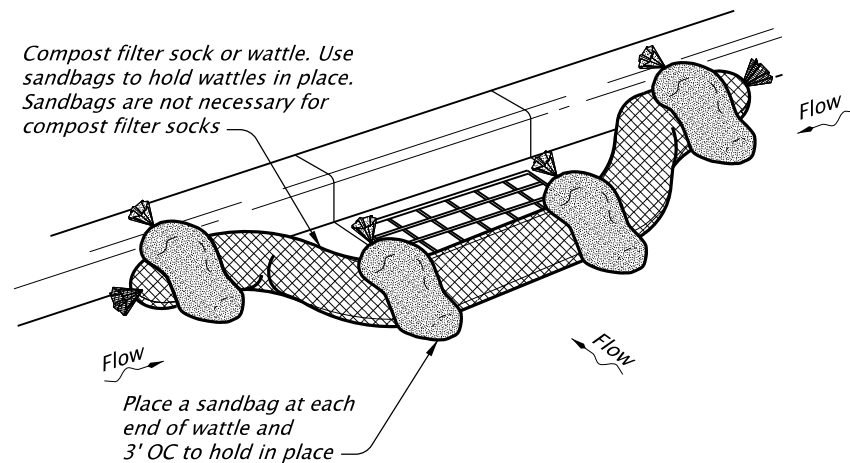
AREA DRAIN PERSPECTIVE VIEW



CURB INLET SEDIMENT DAM - TYPE 10
NOT TO SCALE



WATTLE BARRIER WITH FILTER INSERT - TYPE 11
NOT TO SCALE



CURB INLET PERSPECTIVE VIEW

COMPOST FILTER SOCK OR WATTLE - TYPE 7
NOT TO SCALE

NOTES:
Type 2 - Geotextile/wire mesh/aggregate
Place the wire mesh over the grate.
Place sediment fence geotextile over the
wire mesh and perimeter area around
structure.
Install aggregate over the geotextile fabric.

Type 3 - Prefabricated filter inserts
Install prefabricated filter inserts according
to the plans, special provisions, and
manufacturer recommendations.
Prefabricated inserts with provisions for
overflow are allowed only when
accompanied by additional BMP's to
prevent the potential of sediments
entering project storm systems.
Field fabricated inserts are not allowed.

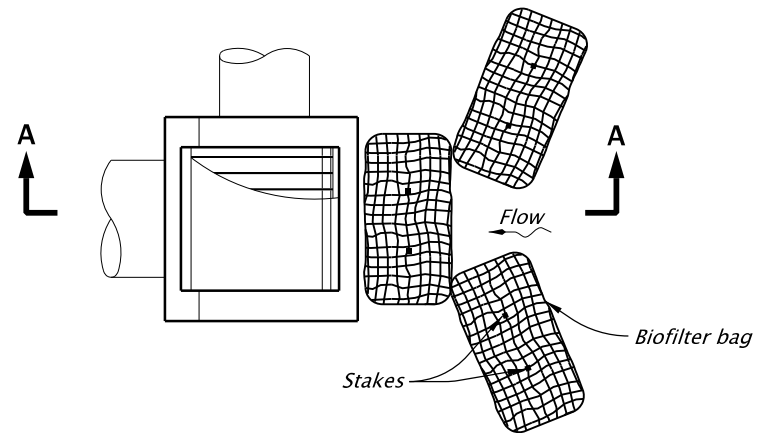
Type 7 - Compost filter sock
Drive 2"x2" wood stakes a minimum of
6" into ground and flush with the top
of the sock.
Overlap ends of sock per manufacturers
recommendations (12" min., 36" max.).
Use 8" to 12" dia sock on curbside in traffic
areas.

(Type 7 cont.)
Use 12" to 18" dia sock in non-traffic areas
or areas where the larger socks can be
used safely.
use synthetic mesh socks for temporary
installations.

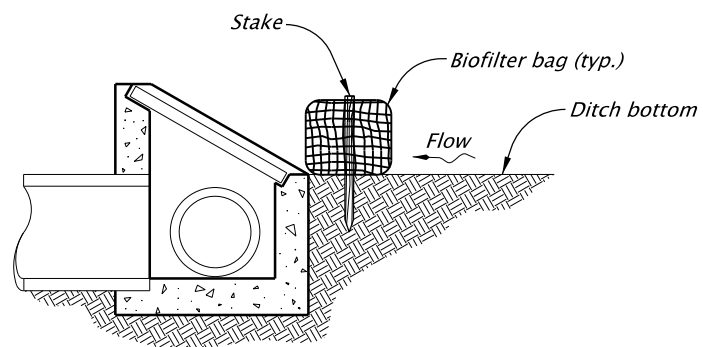
Type 10 - Curb inlet sediment dam
Fit curb inlet sediment dam snugly into inlet
mouth. Curb inlet sediment dam is
required for use with inlet filter insert
where at-grade inlet grate and curb inlet
are combined at a catch basin.

Type 11 - Wattle barrier with filter insert
Install prefabricated filter insert per Type 3
detail.
Install wattles over opening and 36" to each
side of opening tight against curb. Adjust
wattle to force storm water to flow through
filter insert or wattle prior to leaving the
site.
Adjust, replace or modify the inlet protection
as needed to prevent sediment laden water
from entering the catch basin.

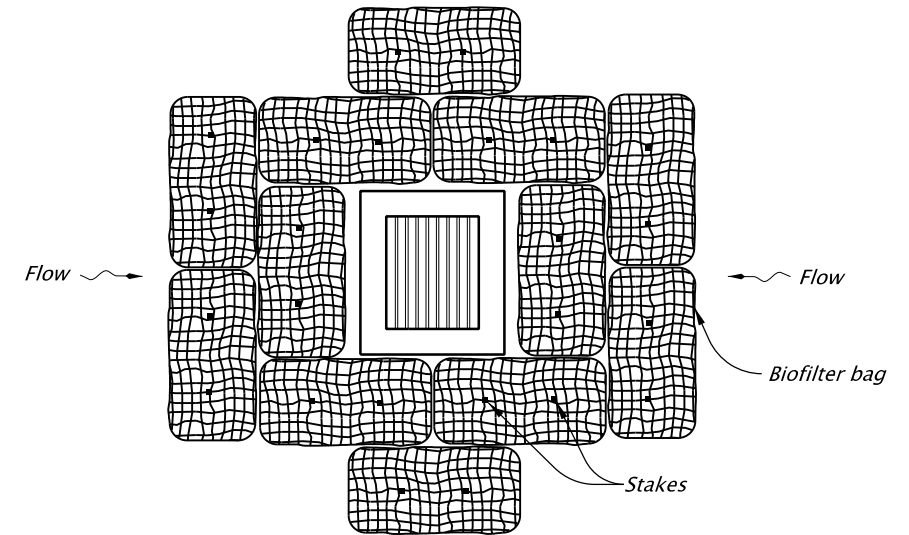
CALC. BOOK NO. <u>6402, 6406, 6407</u>	SDR DATE <u>July, 2020</u>
<p>The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.</p>	NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications
	OREGON STANDARD DRAWINGS
	INLET PROTECTION TYPE 2, 3, 6, 7, 10 AND 11
	2021
	DATE _____ REVISION DESCRIPTION _____



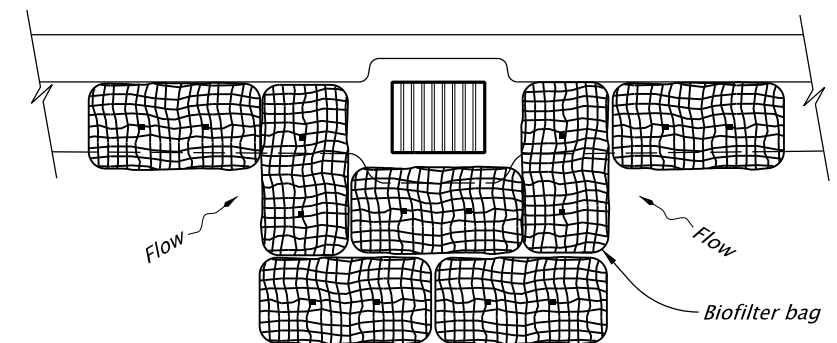
**PLAN
DITCH INLET**



**SECTION A-A
DITCH INLET**



**PLAN
AREA DRAIN**



**PLAN
CATCH BASIN**

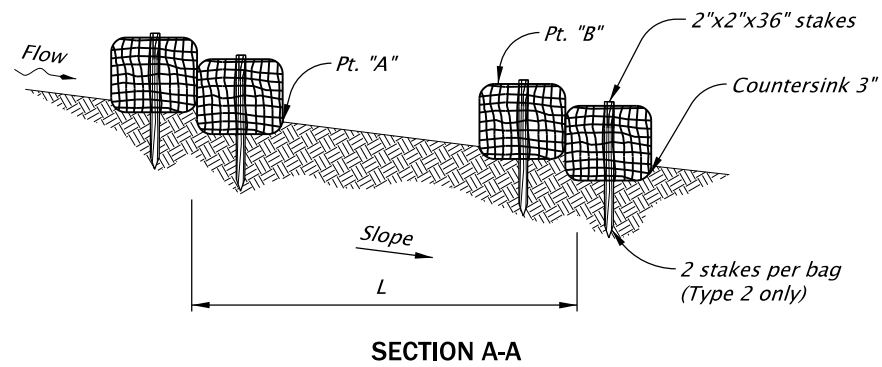
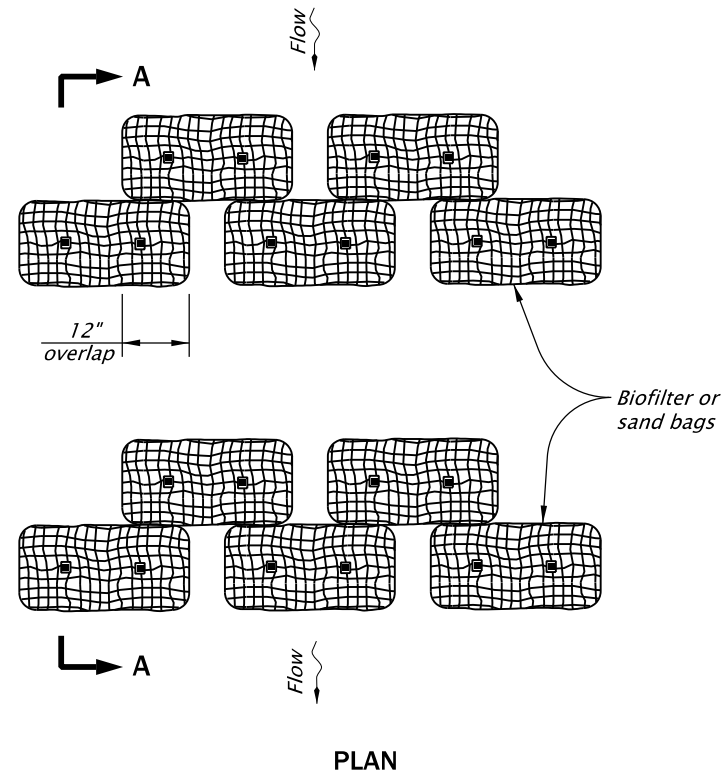
BIOFILTER BAGS - TYPE 4
NOT TO SCALE

NOTES:

1. Stake biofilter bags with 2"x2"x36" wood stakes, and use a minimum 2 stakes per bag. Drive stakes a minimum of 6" into the ground and flush with the top of the bags.
2. Omit stakes when bags are placed on pavement surface.
3. Overlap all bag joints 6".

4. Biofilter bags used on active roadways are easily displaced and made ineffective if struck by vehicles. If struck by a cyclist, falls with injury could result. On active roadways alternative inlet protection should be considered.

CALC. BOOK NO. <u>6402, 6406, 6407</u>	SDR DATE <u>July, 2020</u>
<p><i>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.</i></p>	NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications
	OREGON STANDARD DRAWINGS
	INLET PROTECTION TYPE 4
	2021
DATE	REVISION DESCRIPTION

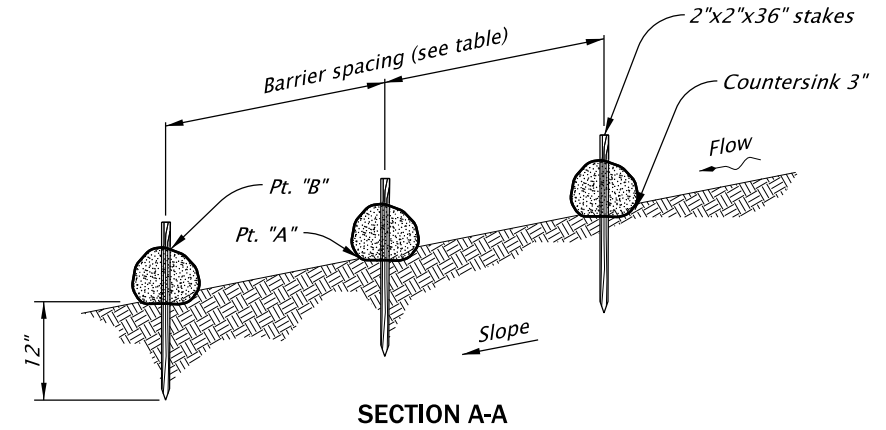
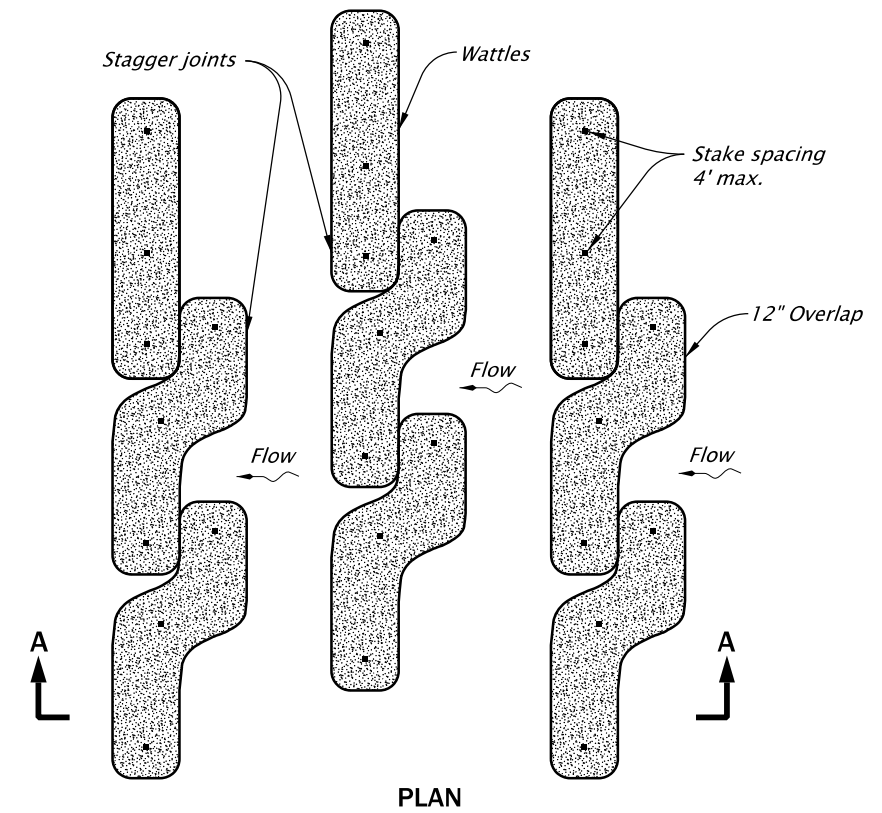


BIOFILTER BAG / SAND BAG BARRIER - TYPE 2 AND 4
NOT TO SCALE

NOTES:

1. For Type 2 barrier, drive stakes flush with top of bag and into undisturbed ground a min. of 12". Omit stakes if bags are placed on paved surface.
2. For Type 2 and Type 4 barriers, space bags (L) so that the elevation of point "A" is less than or equal to the elevation of point "B".

Type 2 - Biofilter bags
Type 3 - Wattles
Type 4 - Sand bags

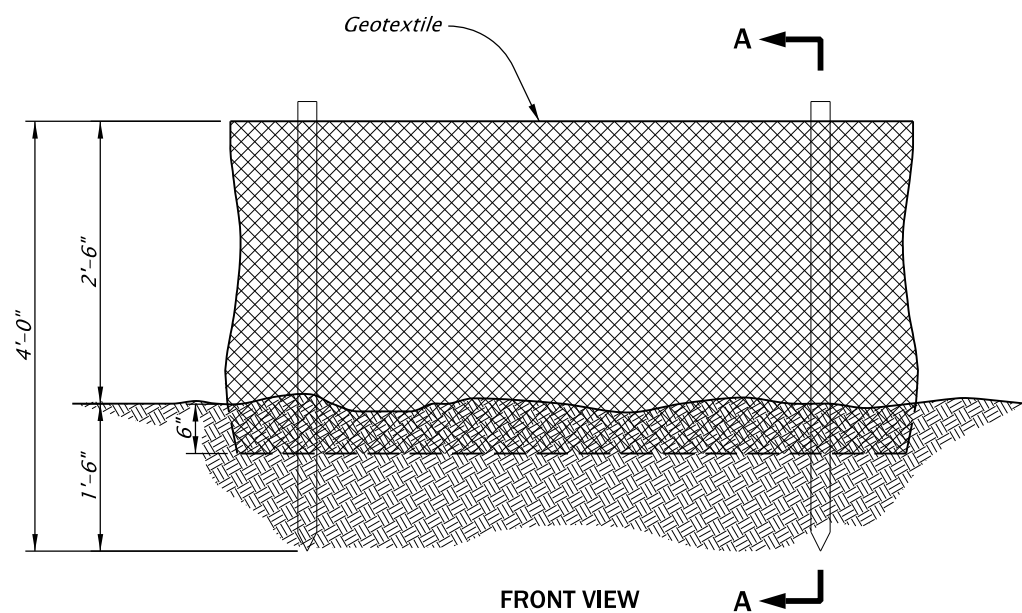


FIBER ROLL BARRIER - TYPE 3
NOT TO SCALE

BARRIER SPACING		
INSTALL PARALLEL ALONG CONTOURS AS FOLLOWS		
% SLOPE	% SLOPE	MAXIMUM SPACING ON SLOPE
10% Flatter	1:10 or Flatter	300'
10 > % ≥ 15	10 > X ≥ 7.5	150'
15 > % ≥ 20	7.5 > X ≥ 5	100'
20 > % ≥ 30	5 > X ≥ 3	50'
Steeper than 30%	Steeper than 1:3	25'

CALC. BOOK NO. <u>N/A</u>		SDR DATE <u>January, 2021</u>	
NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications			
OREGON STANDARD DRAWINGS			
SEDIMENT BARRIER TYPE 2, 3 AND 4			
2021			
DATE	REVISION	DESCRIPTION	
Jan 2021	Removed	Calc book numbers	

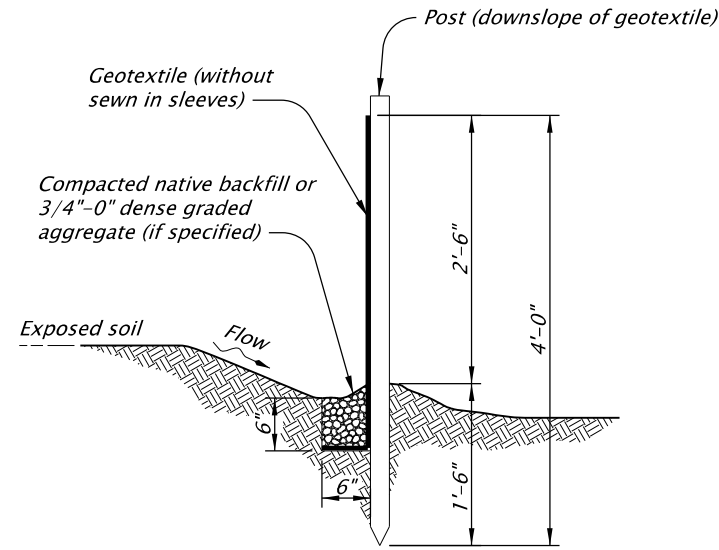
The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.



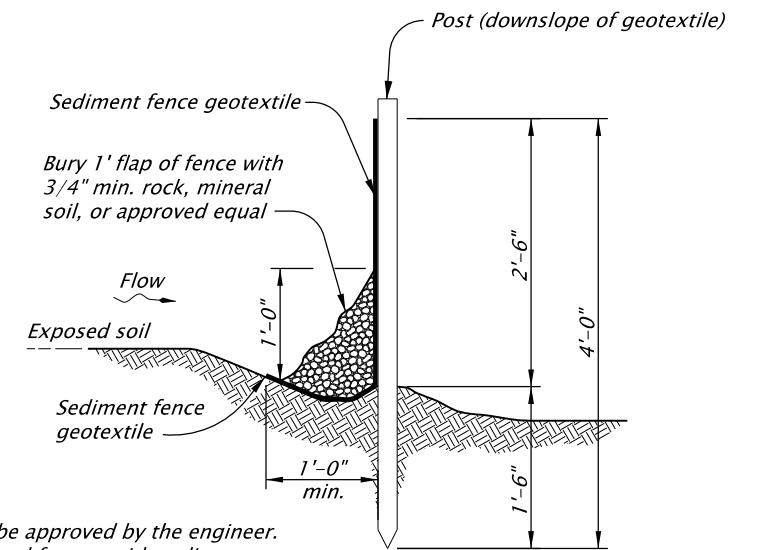
FRONT VIEW

SEDIMENT FENCE AND GEOTEXTILE BURY DETAIL - TYPE 1

NOT TO SCALE



SECTION A-A

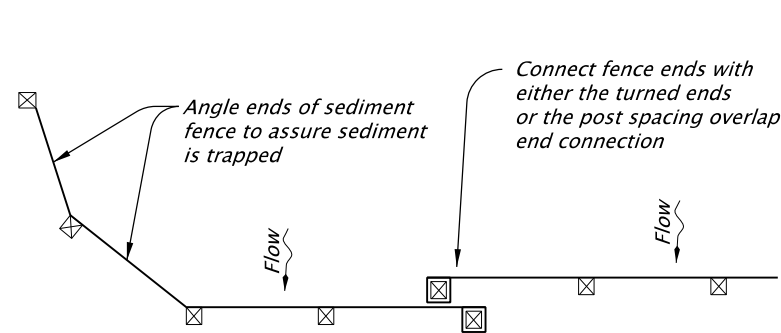


NOTES:

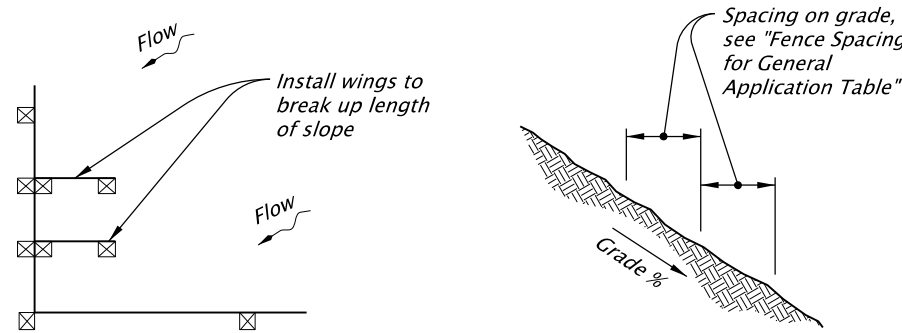
1. Use must be approved by the engineer.
2. Not approved for use with sediment fencing with sewn-in post sleeves.

ALTERNATE SEDIMENT FENCE WITHOUT TRENCHING - TYPE 2

NOT TO SCALE



PLAN VIEW

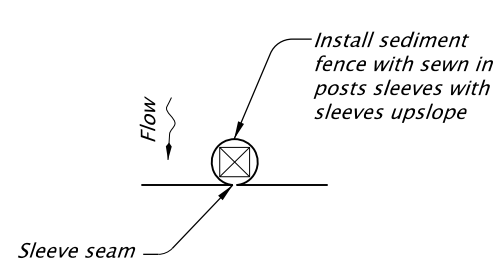


TERMINATION AT CORNER OR PROPERTY LINE

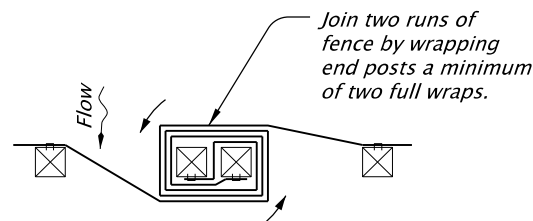
GENERAL NOTES:

1. Use 2"x2" wood fence posts.
2. Posts to be installed on downhill side of sediment fence geotextile. Position posts to prevent separation from geotextile.
3. Compact filter fabric trench backfill and soil on uphill side of fence.
4. Locate fence no closer than three feet to the toe of a slope.
5. Wing spacing shall comply with "Fence Spacing for General Application Table".

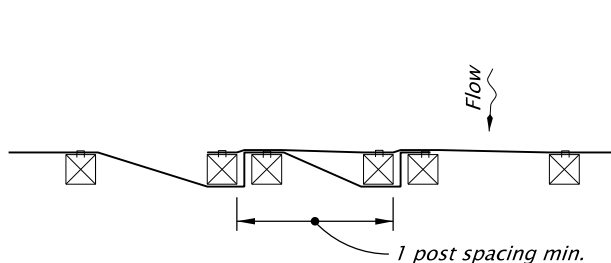
FENCE SPACING FOR GENERAL APPLICATION TABLE	
INSTALL PARALLEL ALONG CONTOURS AS FOLLOWS	
GRADE	MAXIMUM SPACING ON GRADE
Grade < 10%	300'
10% ≤ Grade < 15%	150'
15% ≤ Grade < 20%	100'
20% ≤ Grade < 30%	50'
30% ≤ Grade	25'



GEOTEXTILE WITH POST SLEEVES



TURNUED ENDS CONNECTION



POST SPACING OVERLAP CONNECTION

GEOTEXTILE END CONNECTIONS

NOT TO SCALE

POST SPACING TABLE	
6'	Sediment Fence with Geotextile elongation less than 50%
4'	Sediment Fence with Geotextile elongation 50% or more

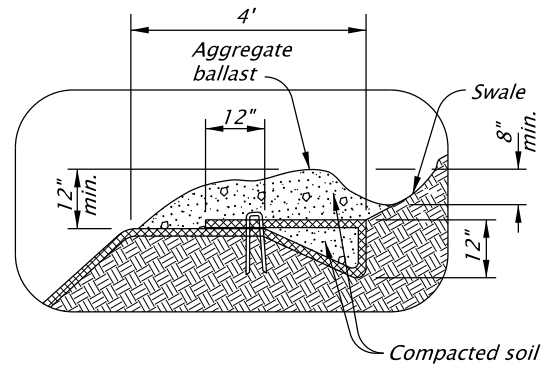
CALC. BOOK NO. 6403, 6404, 6405	SDR DATE July, 2020
<p>The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.</p>	NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications
	OREGON STANDARD DRAWINGS
	SEDIMENT FENCE
	2021
DATE	REVISION DESCRIPTION

RD1040

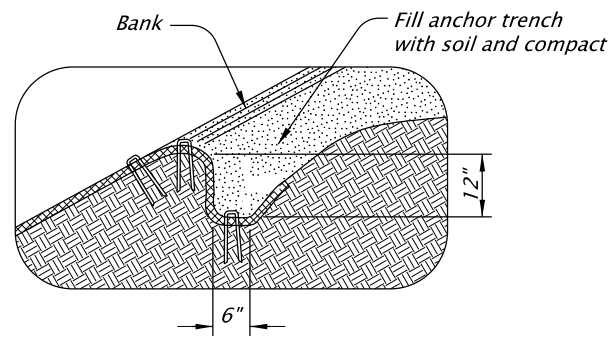
RD1040

rd1055.dgn 01-20-2021

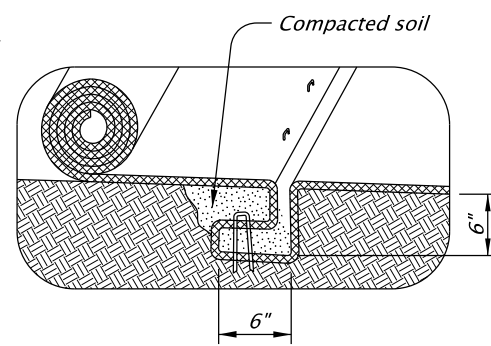
RD1055



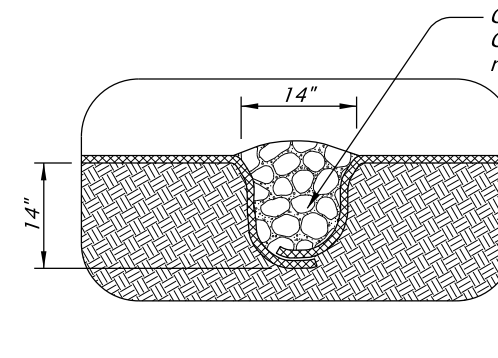
**FIGURE A1:
TOP OF BANK ANCHOR TRENCH,
H>3' AND TERMINAL SLOPE**
NOT TO SCALE



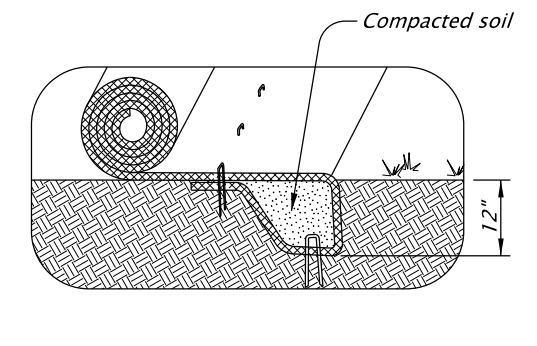
**FIGURE A2:
TOP OF BANK
ANCHOR TRENCH, H<3'**
NOT TO SCALE



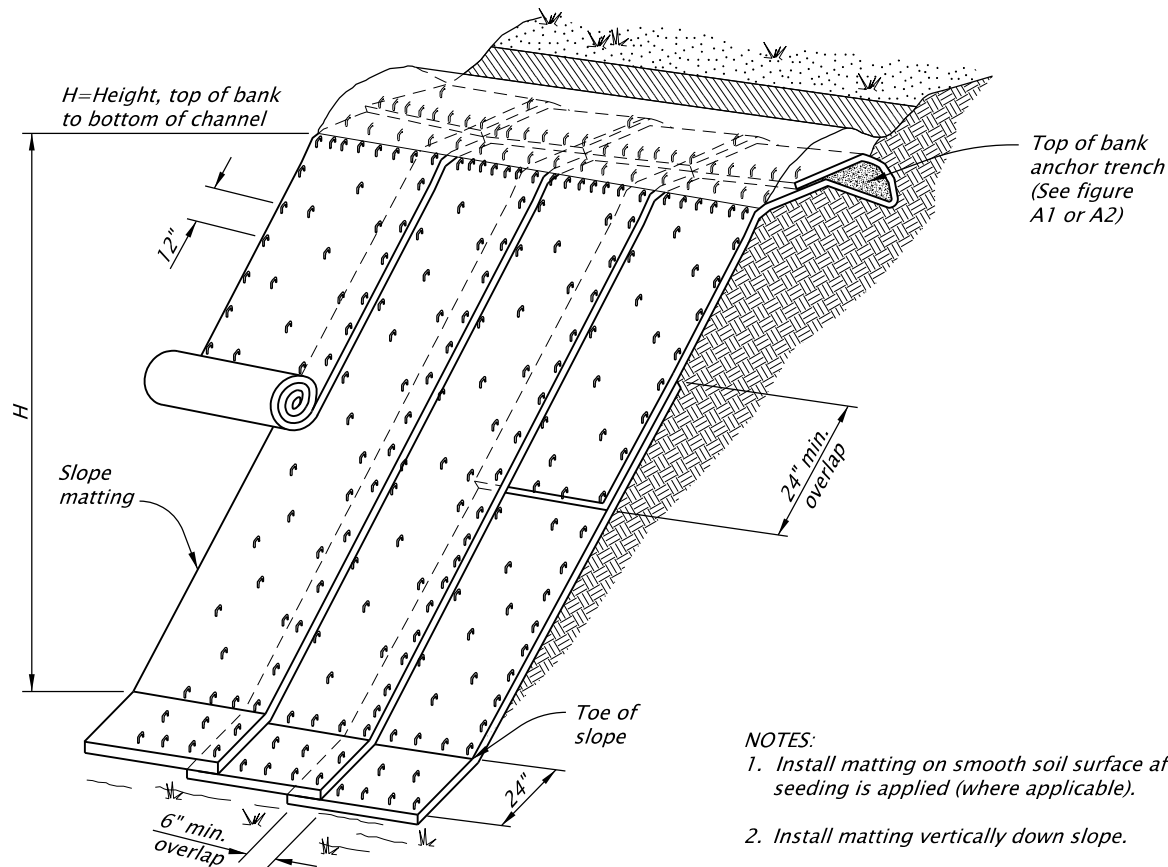
**FIGURE A3:
CHANNEL CHECK SLOT**
NOT TO SCALE



**FIGURE A4:
CHANNEL CHECK SLOT WITH
ROCK BACKFILL**
NOT TO SCALE

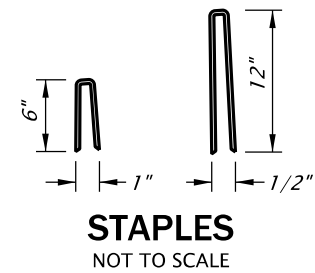


**FIGURE A5:
INITIAL CHANNEL
ANCHOR TRENCH**
NOT TO SCALE



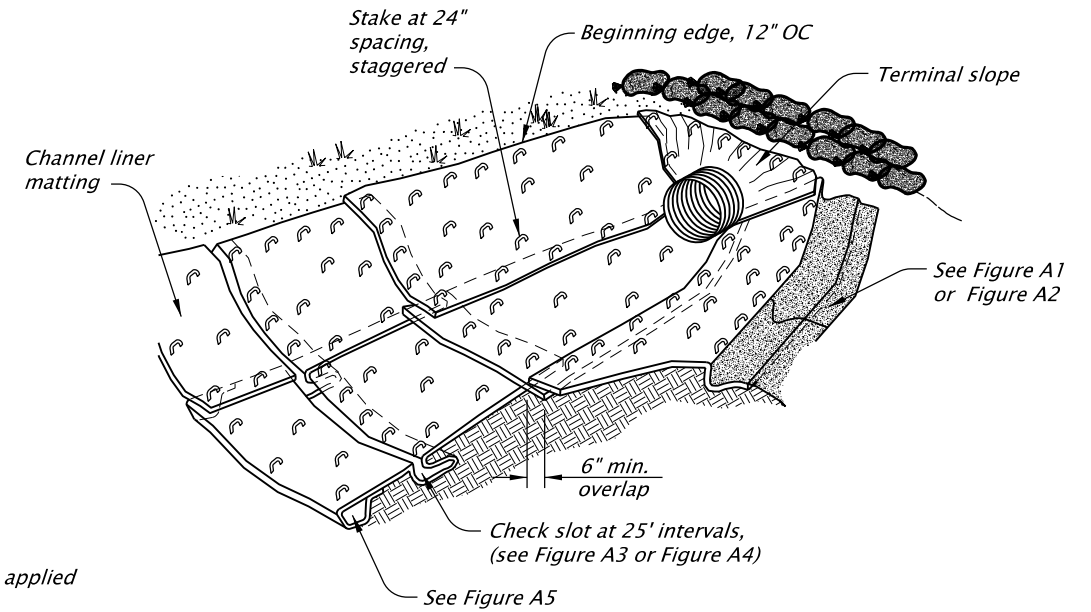
SLOPE MATTING ISOMETRIC VIEW
NOT TO SCALE

- NOTES:**
1. Install matting on smooth soil surface after seeding is applied (where applicable).
 2. Install matting vertically down slope.
 3. Install matting so edge overlaps are shingled away from prevailing winds.
 4. Place fastener at 12" OC on matting edges
 5. Overlap upper mat over lower mat, and fasten.
 6. Stagger alternate rows of fasteners placed at 24" OC
 7. Extend mat 24" beyond toe of slope; fold mat back under 4" and fasten.
 8. Matting Types A through E: Furnish fully biodegradable product. Matting with plastic or photodegradable components will not be accepted.



STAPLES
NOT TO SCALE

- NOTES:**
1. Install matting on smooth soil surface after seeding is applied (where applicable).
 2. Install channel liner matting, in the direction of water flow. Anchor upstream end of mat with check slot for culvert outfalls, place mat under pipe 12" minimum upstream from pipe outlet.
 3. Construct check slots across channel bottom at 25' spacing and at the end of each mat (Fig. A3 or A4).
 4. Overlap side channel liner matting edges 6" over the center channel liner matting and fasten edges 12" OC. Continue overlap and stapling pattern for each additional side channel liner mat.
 5. Lap upstream matting end 12" over beginning edge of downstream matting. Fasten 12" OC
 6. Anchor top edge of side channel matting in trench and fasten 12" OC (Fig. A2).
 7. Fasten matting interior at 24" OC with staggered spacing.
 8. Construct initial anchor trench at downstream end of matting and terminal slope anchor at upstream end.
 9. Matting Types A through E: Furnish fully biodegradable product. Matting with plastic or photodegradable components will not be accepted.

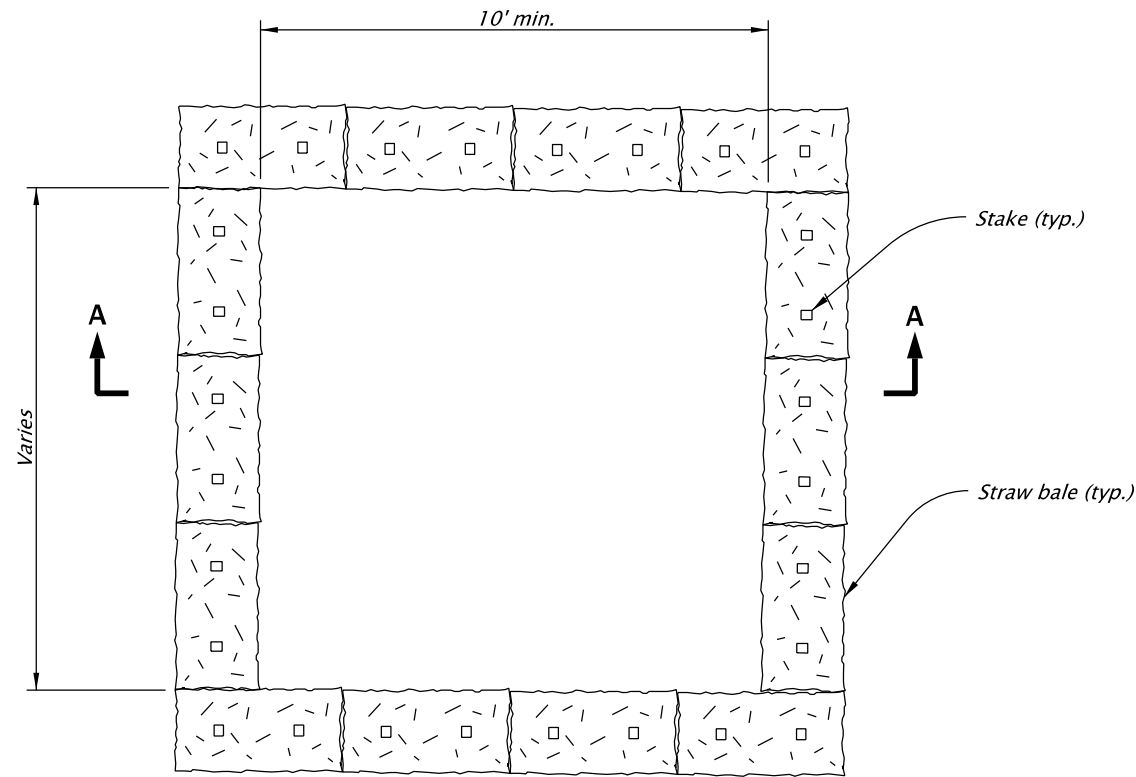


CHANNEL MATTING ISOMETRIC VIEW
NOT TO SCALE

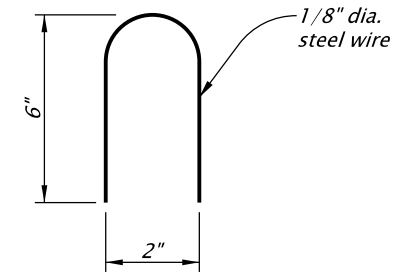
CALC. BOOK NO. <u> N/A </u>		SDR DATE <u> January, 2021 </u>	
NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications			
OREGON STANDARD DRAWINGS			
SLOPE AND CHANNEL MATTING			
2021			
DATE	REVISION DESCRIPTION		
Jan 2021	Removed Calc book numbers		

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.

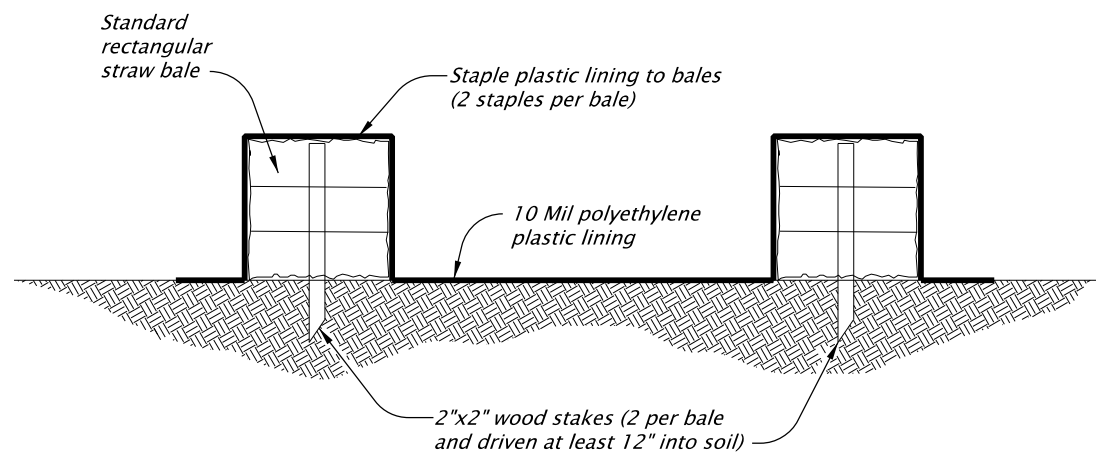
rd1070.dgn 01-20-2021



PLAN



STAPLE DETAIL
NOT TO SCALE



SECTION A-A

CONCRETE TRUCK WASH OUT FACILITY
NOT TO SCALE

CALC. BOOK NO. <u>N/A</u>		SDR DATE <u>January, 2021</u>	
NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications			
<p><i>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.</i></p>		OREGON STANDARD DRAWINGS	
		CONCRETE TRUCK WASH OUT	
		2021	
		DATE	REVISION
Jan 2021	Removed Calc book numbers		

Effective Date: June 1, 2021 - November 30, 2021

RD1070

RD1070